

PARTS MANUAL

FORTIS

**H80FT, H90FT, H100FT, H110FT,
H120FT
(N005)**

CUSTOMER EDITION

HYSTER

SECTIONS

1	FRAME	
2	ENGINE ASSEMBLY	
3	FUEL SYSTEM	
4	ELECTRICAL SYSTEM	
5	TRANSMISSION	
6	DRIVE AXLE	
7	STEERING SYSTEM	
8	BRAKE SYSTEM	
9	HYDRAULIC SYSTEM	
10	MAST-TWO STAGE LIMITED FREE-LIFT	
11	MAST-TWO STAGE FULL FREE-LIFT	
12	MAST-THREE STAGE FULL FREE-LIFT	
13	OPTIONS	
14	FIELD CONVERSION KITS	
15	NUMERICAL INDEX	

This Parts Manual is divided into 15 major sections which are listed above. Quick reference to these sections can be made by placing the right thumb on the tab of the desired section, bending the book back and thumbing the pages to the corresponding tab.

TABLE OF CONTENTS

DESCRIPTION	PAGE
A	
ACCUMULATOR	13-10
ADD ON OPTION KITS.....	14-3
AIR CLEANER	
CUMMINS 4.5L DIESEL	3-4
GM 4.3L GASOLINE AND LPG	3-2
AIR FILTER.....	3-8
AIR HEATER STARTING AID	
CUMMINS 4.5L DIESEL	2-58
ALTERNATOR AND MOUNTING	
CUMMINS 4.5L DIESEL	4-26
ASSEMBLED ENGINE	
GM 4.3L, GASOLINE AND LPG	
SHEET 1 OF 3	2-32
SHEET 2 OF 3	2-36
SHEET 3 OF 3	2-38
AUXILIARY TUBE EXTENSION KIT	14-7
AUXILIARY ONE AND TWO	
MANUAL CONTROL VALVE	
THREE AND FOUR FUNCTION.....	9-20
AUXILIARY ONE SECTION	
ELECTRONIC CONTROL	
THREE AND FOUR FUNCTION.....	9-34
AUXILIARY TUBE EXTENSIONS	
THREE STAGE FULL FREE-LIFT	13-34
TWO STAGE FULL FREE-LIFT	13-36
TWO STAGE LIMITED FREE-LIFT.....	13-32
AUXILIARY TWO SECTION	
ELECTRONIC CONTROL	
FOUR FUNCTION.....	9-36
B	
BACK UP ALARM	13-8
BATTERY CABLES	
CUMMINS 4.5L DIESEL	4-24
GM 4.3L GASOLINE AND LPG	4-14
BRAKE AND INCHING PEDAL CONVERSION.....	14-2
BRAKE ASSEMBLY	
H100-120FT	
DRY BRAKE.....	8-20
H80-90FT	
DRY BRAKE.....	8-18
BRAKE COOLING SYSTEM	
SINGLE AND DUAL PEDAL	
WET BRAKE	8-26
BRAKE LINKAGE	
DUAL PEDAL	
DRY BRAKE.....	8-6
DUAL PEDALS	
WET BRAKE	8-14
SINGLE PEDAL	
DRY BRAKE.....	8-2

TABLE OF CONTENTS (Continued)

DESCRIPTION	PAGE
B (continued)	
WET BRAKE	8-10
C	
CAB	
FAN ASSEMBLY	1-40
HEADLINER ASSEMBLY	1-42
LEFT HAND DOOR AND ATTACHING PARTS	1-34
RIGHT HAND DOOR AND ATTACHING PARTS	1-36
RIGHT HAND DOOR AND HEATER ASSEMBLY	1-38
WITH STEEL DOORS	
MAIN ASSEMBLY	1-24
CAB AND ATTACHING PARTS	1-22
CAB ASSEMBLY	
WITH STEEL DOORS	
SHEET 1 OF 3	1-26
SHEET 2 OF 3	1-28
SHEET 3 OF 3	1-30
WINDOWS	1-32
CAMSHAFT AND OIL PAN	
GM 4.3L GASOLINE AND LPG	2-48
CARRIAGE	
THREE STAGE FULL FREE-LIFT	12-30
TWO STAGE FULL FREE-LIFT	11-22
TWO STAGE LIMITED FREE-LIFT	10-18
CARRIER ASSEMBLY	
DRY BRAKE	6-10
CENTRAL HOUSING	
WET BRAKE	6-14
COIL ASSEMBLY	
GM 4.3L GASOLINE AND LPG	2-51
CONTROL LEVER LABELS	
MANUAL HYDRAULICS	1-62
CONTROL VALVE	
TRANSMISSION	5-56
CONTROL VALVE ASSEMBLY	
ELECTRONIC CONTROL	
FOUR FUNCTION	9-26
THREE FUNCTION	9-24
MANUAL CONTROL VALVE	
THREE AND FOUR FUNCTION	9-16
COOLING	
WITH EXTERNAL OIL COOLER AND ELECTRONIC TRANSMISSION	
OR WITH WET BRAKE	
PENDING PER ECN 10402518⇒	2-28
⇒PENDING PER ECN 10402518	2-24
WITH INTERNAL OIL COOLER	
WITH BASIC TRANSMISSION AND DRY BRAKE	
PENDING PER ECN 10402518⇒	2-20
⇒PENDING PER ECN 10402518	2-16

TABLE OF CONTENTS (Continued)

DESCRIPTION	PAGE
C (continued)	
COUNTERWEIGHT	1-18
COWL ELECTRICAL.....	4-32
COWL MOUNT.....	1-16
CYLINDER BLOCK	
GM 4.3L GASOLINE AND LPG	2-46
CYLINDER HEAD	
GM 4.3L GASOLINE AND LPG	2-44
D	
DIESEL ENGINE ASSEMBLY	
CAMSHAFT	
CUMMINS 4.5L	2-67
CRANKCASE BREATHER	
CUMMINS 4.5L	2-74
CRANKSHAFT AND MAIN BEARINGS	
CUMMINS 4.5L	2-86
CYLINDER BLOCK	
CUMMINS 4.5L	2-64
CYLINDER HEAD	
CUMMINS 4.5L	2-82
FAN DRIVE AND MOUNTING	
CUMMINS 4.5L	2-60
FLYWHEEL AND HOUSING ASSEMBLY	
CUMMINS 4.5L	2-78
INTAKE AND EXHAUST MANIFOLDS	
CUMMINS 4.5L	2-80
LUBRICATION SYSTEM	
CUMMINS 4.5L	2-70
OIL PAN	
CUMMINS 4.5L	2-72
OIL PUMP AND FRONT GEAR COVER	
CUMMINS 4.5L	2-68
PISTON AND CONNECTING ROD	
CUMMINS 4.5L	2-90
REAR GEAR HOUSING	
CUMMINS 4.5L	2-61
REAR GEAR TRAIN ACCESSORY MOUNTING COVER	
CUMMINS 4.5L	2-77
ROCKER LEVERS	
CUMMINS 4.5L	2-84
THERMOSTAT	
CUMMINS 4.5L	2-63
VALVE TAPPETS	
CUMMINS 4.5L	2-66
VIBRATION DAMPER	
CUMMINS 4.5L	2-76
WATER PUMP AND CONNECTIONS	
CUMMINS 4.5L	2-88
DIFFERENTIAL	

TABLE OF CONTENTS (Continued)

DESCRIPTION	PAGE
D (continued)	
DRY BRAKE	6-8
WET BRAKE.....	6-20
DISTRIBUTOR ASSEMBLY	
GM 4.3L GASOLINE AND LPG	4-16
DRIVE AXLE AND ATTACHING PARTS	
DRY BRAKE	6-2
WET BRAKE.....	6-12
DRIVE AXLE ASSEMBLY	
DRY BRAKE	6-4
DRIVE AXLE HOUSING AND HUB	
WET BRAKE.....	6-16
DRIVE TIRE AND WHEEL	
DUAL MOUNT	6-28
PNEUMATIC RADIAL	6-29
SINGLE MOUNT WITH STANDARD TREAD.....	6-26
SINGLE MOUNT WITH WIDE TREAD.....	6-27
E	
E-HYDRAULIC CONTROL CONVERSION KITS.....	14-3
ELECTRICAL SYSTEM	
RIGHT HAND CHASSIS.....	4-4
ELECTRO HYDRAULIC POPPET VALVE	
THREE AND FOUR FUNCTION	9-32
ELECTRONIC CONTROL LEVERS.....	4-38
ELECTRONIC LEVER LABELS	
MINI LEVERS	1-64
ELECTRONIC THROTTLE LINKAGE	
CUMMINS 4.5L DIESEL	3-32
ENGINE ELECTRICAL SYSTEM	
CUMMINS 4.5L DIESEL	4-18
GM 4.3L	
GASOLINE AND LPG	4-8
GS AND LPS.....	4-10
ENGINE MOUNTING	
CUMMINS 4.5L DIESEL	2-56
GM 4.3L, GASOLINE AND LPG	2-30
ENGINE SAFETY ELECTRICAL	
CUMMINS 4.5L DIESEL	4-22
EXHAUST SYSTEM	
CUMMINS 4.5L DIESEL	2-12
GM 4.3L, GASOLINE AND LPG	
WITH CATALYTIC CONVERTER	2-4
WITHOUT CATALYTIC CONVERTER.....	2-8
EXHAUST WRAPS	
CUMMINS 4.5L DIESEL	2-14
GM 4.3L GASOLINE AND LPG	2-10

TABLE OF CONTENTS (Continued)

DESCRIPTION	PAGE
F	
FAN ASSEMBLY	
CUMMINS 4.5L DIESEL	2-57
FAN MOUNT ASSEMBLY	
GM 4.3L GASOLINE AND LPG	2-40
FENDERS	1-12
FIRE EXTINGUISHER	13-6
FLOOR PLATES AND COVERS	1-8
FLYWHEEL AND HOUSING	
GM 4.3L GASOLINE AND LPG	2-42
FORKS	
POLISHED FORK WITH FULL BOTTOM TAPER	
CLASS III AND IV	1-72
STANDARD TAPER	
CLASS III	1-70
CLASS IV	1-71
FORWARD CLUTCH	
SINGLE SPEED TRANSMISSION	
PENDING PER ECN 10402574⇒	5-28
⇒PENDING PER ECN 10402574	5-18
FORWARD CLUTCH, HIGH	
DUAL SPEED TRANSMISSION	
PENDING PER ECN 10402574⇒	5-52
⇒PENDING PER ECN 10402574	5-40
FORWARD CLUTCH, LOW	
DUAL SPEED TRANSMISSION	
PENDING PER ECN 10402574⇒	5-50
⇒PENDING PER ECN 10402574	5-38
FREE LIFT	
THREE STAGE FULL FREE-LIFT	12-18
FREE LIFT CYLINDER	
THREE STAGE FULL FREE-LIFT	12-22
TWO STAGE FULL FREE-LIFT	11-14
FUEL FILTRATION SYSTEM	
CUMMINS 4.5L DIESEL	3-24
FUEL INJECTION	
CUMMINS 4.5L DIESEL	3-30
FUEL INJECTION PUMP AND GEAR	
CUMMINS 4.5L DIESEL	3-26
FUEL SYSTEM	
CUMMINS 4.5L DIESEL	3-28
GM 4.3L LPG	3-12
GM 4.3L, GASOLINE	3-10
FULL SUSPENSION SEAT	
WITH AND WITHOUT ELECTRONIC CONTROLS	1-54
FULL SUSPENSION SWIVEL SEAT	
WITH AND WITHOUT ELECTRONIC CONTROLS	1-56

TABLE OF CONTENTS (Continued)

DESCRIPTION	PAGE
G	
GEAR PUMP	9-6
H	
HAND LEVERS	
FOUR FUNCTION	
WITH DETENTED LEVERS.....	9-12
WITHOUT DETENTED LEVERS.....	9-14
THREE FUNCTION	
WITH DETENTED LEVERS.....	9-8
WITHOUT DETENTED LEVERS.....	9-10
HEADER HOSE	
THREE STAGE FULL FREE-LIFT	12-26
TWO STAGE FULL FREE-LIFT	11-18
TWO STAGE LIMITED FREE-LIFT.....	10-14
HEADER HOSE CONVERSION KITS THREE STAGE FULL FREE-LIFT	14-5
HEADER HOSE CONVERSION KITS TWO STAGE FULL FREE-LIFT	14-4
HEADER HOSE CONVERSION KITS TWO STAGE LIMITED FREE-LIFT.....	14-4
HEATER HOSE ARRANGEMENT	
CUMMINS 4.5L DIESEL	
WITH CAB.....	1-44
GM 4.3L LPG	
WITH CAB.....	1-46
HOOD ASSEMBLY	1-4
HYDRAULIC CONTROL CONVERSIONS.....	14-3
HYDRAULIC FILTER.....	9-4
HYDRAULIC SUPPLY AND RETURN.....	9-2
I	
IMPACT SENSOR	4-48
INNER MAST	
THREE STAGE FULL FREE-LIFT	12-8
TWO STAGE LIMITED FREE-LIFT.....	10-4
INNER MAST AND FREE LIFT	
TWO STAGE FULL FREE-LIFT	11-6
INSTRUMENT CLUSTER	4-34
INTEGRAL SIDE-SHIFT ASSEMBLY	
H100-120FT (54 AND 60 INCH)	
TWO AND THREE STAGE FULL FREE-LIFT.....	13-28
TWO STAGE LIMITED FREE-LIFT	13-18
H80-90FT (48 AND 60 INCH)	
TWO AND THREE STAGE FULL FREE-LIFT.....	13-22
TWO STAGE LIMITED FREE-LIFT	13-14
INTEGRAL SIDE-SHIFT CARRIAGE	
H100-120FT (54 AND 60 INCH)	
TWO AND THREE STAGE FULL FREE-LIFT.....	13-30
TWO STAGE LIMITED FREE-LIFT	13-20
H80-90FT (48 AND 60 INCH)	
TWO STAGE LIMITED FREE-LIFT	13-16
H80-90FT (48 INCH)	
TWO AND THREE STAGE FULL FREE-LIFT.....	13-24
H80-90FT (60 IN.)	

TABLE OF CONTENTS (Continued)

DESCRIPTION	PAGE
I (continued)	
TWO AND THREE STAGE FULL FREE-LIFT	13-26
INTERMEDIATE MAST	
THREE STAGE FULL FREE-LIFT	12-4
J	
JOYSTICK	4-36
JOYSTICK CONTROL LABELS	1-66
WITH RETURN TO SET TILT	1-68
L	
LABELS	
EXTERIOR.....	1-58
INTERIOR.....	1-60
LIFTING EYES	13-12
LIGHTS	
STOP, TAIL, TURN, BACKUP, AND STROBE	
WITH CAB.....	4-40
WITH OVERHEAD GUARD	4-42
LOAD BACK REST EXTENSION.....	1-74
LOAD WEIGH ELECTRICAL	4-50
LPG TANK BRACKET	
SWING OUT	3-20
SWING OUT, DROP DOWN	3-22
M	
MAIN CYLINDER (H100-120FT)	
TWO STAGE LIMITED FREE-LIFT	10-12
MAIN CYLINDER (H80-90FT)	
TWO STAGE LIMITED FREE-LIFT	10-10
MAIN LIFT	
THREE STAGE FULL FREE-LIFT	12-10
TWO STAGE LIMITED FREE-LIFT	10-6
MAIN LIFT CYLINDER	
THREE STAGE FULL FREE-LIFT	12-14
TWO STAGE FULL FREE-LIFT	11-10
MAST ELECTRICAL	4-46
MASTER CYLINDER	8-24
MIRROR	13-5
MONOTROL PEDAL ASSEMBLY	3-38
MUD GUARDS	1-14
N	
NON SUSPENSION SEAT	1-50
O	
OIL PUMP	
GM 4.3L GASOLINE AND LPG	2-52
OUTER MAST	
THREE STAGE FULL FREE-LIFT	12-2

TABLE OF CONTENTS (Continued)

DESCRIPTION	PAGE
O (continued)	
TWO STAGE LIMITED FREE-LIFT	10-2
OUTER MAST AND MAIN LIFT	
TWO STAGE FULL FREE-LIFT	11-2
OUTLET SECTION	
ELECTRONIC CONTROL	
THREE AND FOUR FUNCTION	9-38
MANUAL CONTROL VALVE	9-22
OVERHEAD GUARD	1-20
P	
PARK BRAKE ASSEMBLY	8-22
POWER DISTRIBUTION MODULE	4-30
PRE-CLEANER AND MOUNT	3-6
R	
REGULATOR	
GM 4.3L LPG	3-18
REMOTE KEY SWITCH	4-6
REVERSE CLUTCH	
DUAL SPEED TRANSMISSION	
PENDING PER ECN 10402574⇒	5-54
⇒PENDING PER ECN 10402574	5-42
SINGLE SPEED TRANSMISSION	
PENDING PER ECN 10402574⇒	5-30
⇒PENDING PER ECN 10402574	5-20
S	
SEALED ALTERNATOR AND MOUNTING	
GM 4.3L, GASOLINE AND LPG	4-29
SEAT CONVERSION KITS	14-2
SEMI SUSPENSION SEAT	
WITH AND WITHOUT ELECTRONIC CONTROLS	1-52
SOUND ABATEMENT	
WITH CAB	1-48
STARTER AND MOUNT	
CUMMINS 4.5L DIESEL	4-28
STEER AXLE	7-10
STEER CONTROL UNIT	7-6
STEER CYLINDER	7-14
STEER TIRE AND WHEEL	7-16
STEERING COLUMN AND ATTACHING PARTS	7-2
STEERING COLUMN ASSEMBLY	7-4
STEERING LINES	7-8
STROBE LIGHT	
LED	
PENDING PER ECN 10298201⇒	13-4
⇒PENDING PER ECN 10298201	13-2

TABLE OF CONTENTS (Continued)

DESCRIPTION	PAGE
T	
THROTTLE BODY ASSEMBLY	
GM 4.3L LPG	3-14
THROTTLE BODY ASSEMBLY AND FUEL RAIL	
GM 4.3L GASOLINE	3-16
THROTTLE CABLE ASSEMBLY	
CUMMINS 4.5L DIESEL	3-34
THROTTLE PEDAL AND ATTACHING PARTS	3-36
TILT AND AUXILIARY HOSES	9-44
TILT CYLINDER AND MAST INSTALLATION	9-40
TILT CYLINDERS	9-42
TILT SECTION	
ELECTRONIC CONTROL	
THREE AND FOUR FUNCTION	9-30
TORQUE CONVERTER	
CUMMINS 4.5L DIESEL	5-4
GM 4.3L, GASOLINE AND LPG	5-5
TRANSMISSION	
DUAL SPEED	
SHEET 1 OF 2	
PENDING PER ECN 10402574⇒	5-44
⇒PENDING PER ECN 10402574	5-32
SHEET 2 OF 2	
PENDING PER ECN 10402574⇒	5-48
⇒PENDING PER ECN 10402574	5-36
SINGLE SPEED	
SHEET 1 OF 2	
PENDING PER ECN 10402574⇒	5-22
⇒PENDING PER ECN 10402574	5-12
SHEET 2 OF 2	
PENDING PER ECN 10402574⇒	5-26
⇒PENDING PER ECN 10402574	5-16
TRANSMISSION COOLING	
WITH EXTERNAL OIL COOLER	
GM 4.3L AND CUMMINS 4.5L	5-10
WITH INTERNAL OIL COOLER	
CUMMINS 4.5L DIESEL	5-6
GM 4.3L GASOLINE AND LPG	5-8
TRANSMISSION ELECTRICAL SYSTEM	4-44
TRANSMISSION MOUNTING	5-2
PENDING PER ECN 10402574⇒	5-3
V	
VALVE ASSEMBLY, LIFT AND LOWER	
ELECTRONIC CONTROL VALVE	
THREE AND FOUR FUNCTION	9-28
VALVE ASSEMBLY, LIFT AND TILT	
MANUAL CONTROL VALVE	
THREE AND FOUR FUNCTION	9-18
VALVE COVER AND INLET MANIFOLD	
GM 4.3L GASOLINE AND LPG	2-54

TABLE OF CONTENTS (Continued)

DESCRIPTION	PAGE
W	
WEATHER PROTECTION KITS.....	14-2
WET BRAKE ASSEMBLY	6-24
WHEEL CONVERSION.....	14-2
WIRE HARNESS	
COWL WITH FORWARD/REVERSE LEVER.....	4-84
COWL WITH MONOTROL PEDAL	4-80
CUMMINS 4,5L DIESEL	4-94
ELECTRONIC CONTROL VALVE	
FOUR FUNCTION.....	4-90
THREE FUNCTION.....	4-88
ENGINE	
GM 4.3L, GASOLINE	4-68
GM 4.3L, LPG	4-70
GM 4.3L GASOLINE AND LPG	
RIGHT HAND CHASSIS	4-52
GM 4.3L LPG	
LEFT HAND CHASSIS.....	4-64
GM 4.3L, GASOLINE	
LEFT HAND CHASSIS.....	4-66
JOYSTICK.....	4-92
LIGHTS	
WITH OVERHEAD GUARD	4-98
RIGHT HAND CHASSIS	
CUMMINS 4.5L DIESEL	4-58
SEALED ALTERNATOR	
CUMMINS 4.5L DIESEL	4-74
GM 4.3L GS AND LPS	4-72
TRANSMISSION	
DUAL SPEED.....	4-78
SINGLE SPEED	4-76

ABBREVIATIONS QUICK REFERENCE SHEET

Listed below are abbreviations used in parts manuals to denote the following expressions:

TERM	DEFINITION	TERM	DEFINITION
Amp	Amperes	FRE	Freezer Environment
AR	As Required	in.	inches
BDI	Battery Discharge Indicators	LPG	Liquefied Petroleum Gas
BWI	Brush Wear Indicator	MAP	Manifold Absolute Pressure
CE	Communicator End	mm	millimeters
CRE	Corrosive Environment	MSTS	Microprocessor Spark Timing System
D/B	Date Break	NPT	National Pipe Threads
dbA	Decibel "A" Scale	O/S	Oversize
DE	Drive End	PTO	Power Take Off
ECH	Empty Container Handler	RPM	Revolutions per Minute
ECH-3	Empty Container Handler - 3 High Stacking	S/N	Serial Number
ECH-4	Empty Container Handler - 4 High Stacking	TMM	Truck Management Module
ECH-5	Empty Container Handler - 5 High Stacking	UL Type D	Diesel-Powered Safety Rating
ECH-6	Empty Container Handler - 6 High Stacking	UL Type DS	Diesel-Powered Safety Rating
ECH-7	Empty Container Handler - 7 High Stacking	UL Type E	Battery-Powered Safety Rating
ECM	Electronic Control Module	UL Type EE	Battery-Powered Safety Rating
ECN	Engineering Change Notice	UL Type ES	Battery-Powered Safety Rating
EEPROM	Electrically Erasable Programmable Read Only Memory	UL Type G	Gasoline-Powered Safety Rating
EPA	US Environmental Protection Agency	UL Type GS	Gasoline-Powered Safety Rating
EPROM	Electrically Programmable Read Only Memory	UL Type LP	Gas-Powered Safety Rating
		UL Type LPS	LP Gas-Powered Safety Rating
		U/S	Undersize
		UL	Underwriters Laboratory
		V	Volts

HOW TO USE THE ILLUSTRATED PARTS MANUAL

This parts manual describes and illustrates assemblies, subassemblies, and detail parts needed for service replacement.

The different constructions are indicated by keys and footnotes. The callouts correspond to descriptions found on the next page.

HYSTER UNIT CODE D001 NORTH AMERICA 06/2001

TABLE OF CONTENTS

DESCRIPTION	PAGE
AIR INTAKE AND FILTER DIESEL (⇒ D/B 11/96 ⇒)	3-22
AIR INTAKE AND FILTER DIESEL (D/B 11/96 ⇒)	
AIR INTAKE AND FILTER GASOLINE AND LPG	
ALTERNATOR GASOLINE, LPG, AND DIESEL	
ALTERNATOR TYPES GS, LPS, AND DS	
AUXILIARY FUNCTION TUBE TWO AND THREE STAGE FULL F	

SECTION 13 NUMERICAL INDEX

PART NO.	ITEM NO.	PAGE	PART NO.	ITEM NO.	PAGE	PART NO.	ITEM NO.	PAGE
142	3-4	19	10-13	25		11-27	29	12-31
12445	3-32	19	10-17	6		11-31	25	3-35
	3-34	1	10-27	11		11-32	37	3-16
			11	6	16485	8-4	23	3-34
			11	6		8-4	45	3-36
			12	11		9-7	9	3-26
			12	6		9-7	19	3-6
			13	17		9-11	9	4-27
			13	17		9-11	17	9-7
			23	46		10-9	21	10-10
			27	46		10-9	28	10-13
			26	14		10-13	16	11-7
			28	14		11-7	18	11-9
			30	14				17

SECTIONS

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

FRAME

ELECTRICAL SYSTEM

BRAKE/ACC

MAST-TWO STAGE

MAST-THREE STAGE

MAST-TWO STAGE

TRANSMISSION HOUSING
⇒ S/N D001H-2628

KEY:
A: Diesel
B: Gasoline and LPG

ITEM	PART NO.	DESCRIPTION	QTY
	2022547	Transmission	1
	2023329	Transmission	1
	2021670	Case	2
1	2023418	Bearing Cap	4
2	296426	Washer	4
3	293582	Bolt	1
4	2021390	Cover	2
5	1371655	Collet Pin	4
6	2021329	O-Ring	1
7	2021915	Plug	4
8	2021675	Housing	22
9	2021336	Pin	39
10	287860	Bolt	1
11	292682	Lockwasher	1
12	292682	Hydraulic Pump	1
13		Figure 5-3	8
14	2021345	Gasket	8
15	214364	Bolt	1
16	296418	Washer	1
17	2021388	Temperature Switch	1
18	2021389	Breather	9
19	2021383	Dipstick	9
20	292515	Nut	2
21	136892	Bolt	3
22	292527	Capscrew	2
23	292531	Lockwasher	3
24	293637	Bolt	4
25	296420	Washer	4
26		Transmission Kit (includes item 7)	1
	996403	Transmission Kit (includes item 14)	1
	996405	Transmission Kit (includes item 14)	1

This Parts Manual is divided into 11 major sections which are listed above. Quick reference can be made by placing the right thumb on the tab of the desired section, bending the pages to the corresponding tab.

See Service Manual for service procedures.

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5-15

HP990004

HOW TO FIND THE DESIRED PART NUMBER

WHEN THE PART NUMBER AND THE NEXT HIGHER ASSEMBLY IS NOT KNOWN:

1. Determine the function and application of the part required. Turn to the Sections Page. Choose the general area of reference most likely to include the part.
2. Turn to the section you chose. Use the Section Table of Contents to determine the assembly which would normally contain the part required. Then locate the part on the assembly breakdown page.

WHEN THE PART NUMBER IS NOT KNOWN AND THE NEXT HIGHER ASSEMBLY IS KNOWN:

3. Determine the assembly the required part is used on. Turn to the Table of Contents on Page i.
4. Locate the assembly the required part is used on and turn to the page indicated for that assembly. Then locate the part on the assembly breakdown page.

WHEN THE PART NUMBER IS KNOWN:

5. Use the Numerical Index on Page 15-1 to find the part number. Turn to the page listed and locate the part as indicated by the item number.

GENERAL:

The assembly breakdowns include part numbers, descriptions, quantities required, keys and footnotes to help in selecting correct parts.

6. Five periods in the PART NO. column (.) indicate that the part is either *Not Serviced Separately* or there is a reference to another figure. A figure reference is denoted by a pointing hand followed by a figure number in the DESCRIPTION column (☞ Figure 10)
7. Keys are used to show two or more similar assemblies, RH and LH assembly parts, etc. Select the appropriate key, "A", "B", "C", "D", or "E" and the corresponding quantity column to find the required parts. Two periods in the QTY column (..) indicate that the part is not used for that assembly.
8. Indented descriptions under the DESCRIPTION column are used to indicate assemblies and subparts of assemblies. In the example on the

previous page, *BEARING CAP* (Item 2) is a subpart of the major assembly *CASE*.

9. Quantities shown are for one assembly. The quantities of the subpart *BEARING CAP* are indicated as two and two. This means two per *CASE* assembly.
10. Serial number breaks identify the most current parts information and are shown as follows:
 - ⇒ **S/N D001H-2628**
Indicates last serial number affected.
 - S/N D001H-2629** ⇒
Indicates the first serial number affected.
 - S/N D001H-1553 ⇔ S/N D001H-3291**
Indicates a range of serial numbers affected.

ECN numbers for pending serial numbers are shown to allow for the inclusion of the most current parts information and are identified as follows:

- ⇒ **S/N Pending Per ECN 63243**
Indicates a pending serial number for last unit affected.
- S/N Pending Per ECN 63243** ⇒
Indicates a pending serial number for first unit affected.

Date breaks are used to indicate when a change occurred but a subsequent serial number break was not recorded. This is an arbitrary date usually based on the ECN release and are identified as follows:

- ⇒ **D/B 3/00**
Indicates that a change occurred sometime within that month for the item affected.
- D/B 3/00** ⇒
Indicates that a change occurred sometime within that month for the item affected.
- D/B 3/00 ⇔ D/B 4/00**
Indicates a range of production dates of the item affected.

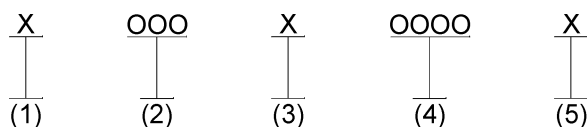
Contact your local dealer for Hyster lift trucks for serial number information for items with a ECN or a date break.

ORDERING PARTS:

When ordering replacement parts, give the unit serial number, part number, name of part and quantity required.

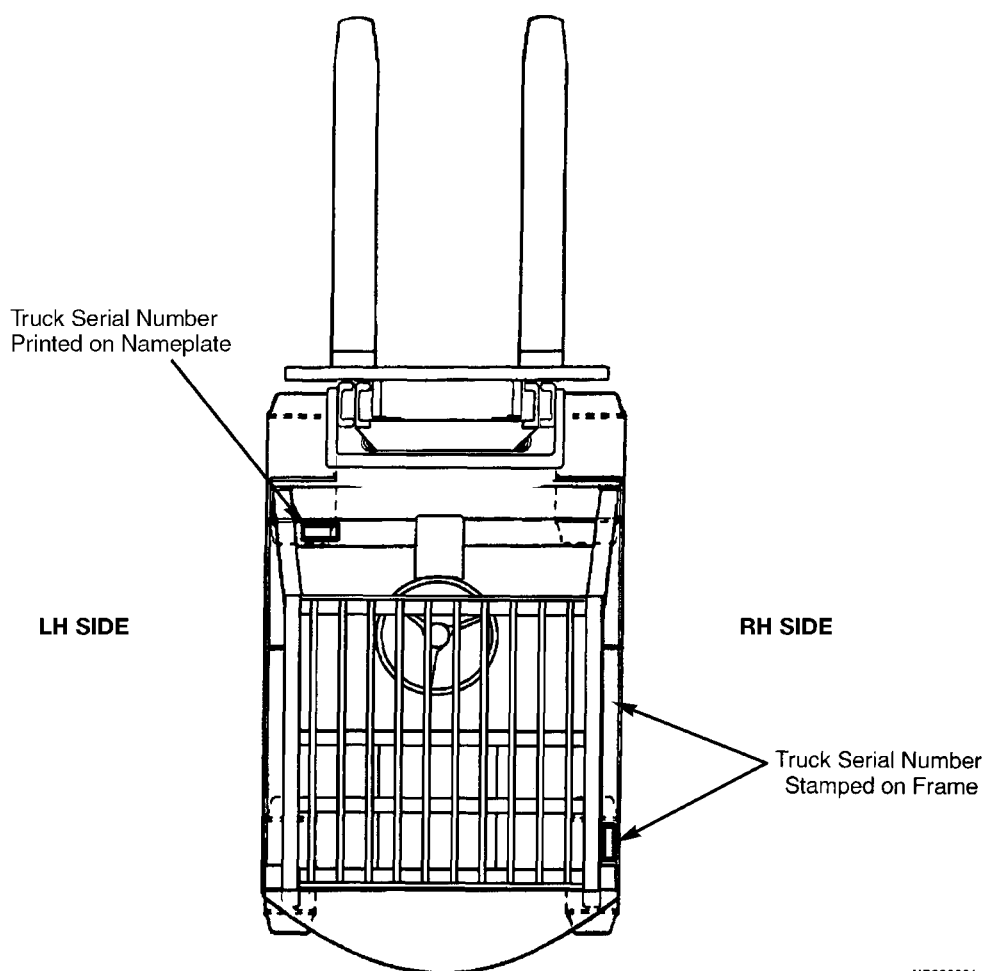
For any further information on parts, service, or ordering, consult your local dealer for Hyster lift trucks.

IDENTIFICATION OF TRUCK SERIAL NUMBERS



- (1) and (2) The first letter and three numbers indicate the truck unit code.
- (3) The second letter indicates the plant of manufacture.
- (4) The four or five digit number indicates the production sequence number of the truck.
- (5) The final letter indicates the year of manufacture starting with "A" in 1957, 1980, and 2003. The letters "I", "O", and "Q" will not be used.

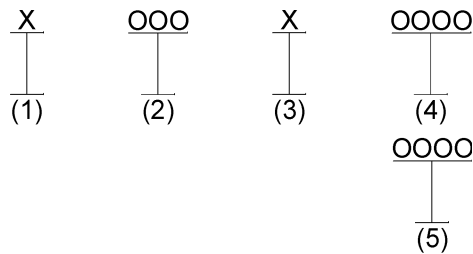
For pending serial numbers contact your local dealer for Hyster lift trucks.



HP990001

Parts referred to in this book as right or left hand parts are in accordance with the illustration above.

IDENTIFICATION OF MAST SERIAL NUMBERS



- (1) and (2) The first letter and number indicates the mast unit code.
- (3) The second letter indicates the plant of manufacture.
- (4) The four or five digit number indicates the production sequence number of the mast.
- (5) Carriage travel in millimeters stamped just below the serial number.

Mast Group identification consists of mast unit code (1) and (2) plus carriage travel (5).

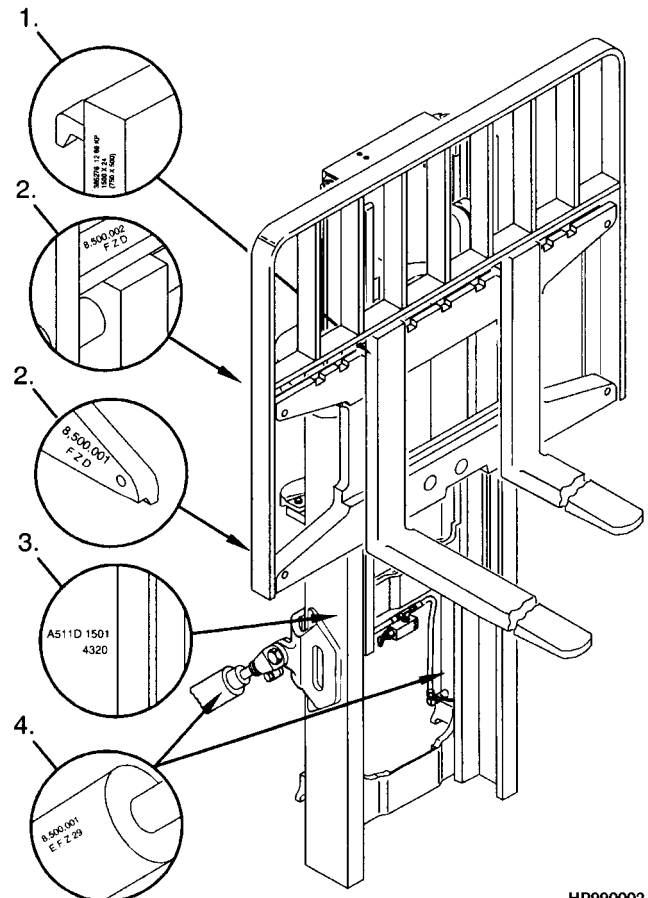
For pending production sequence numbers contact your local dealer for Hyster lift trucks.

LIFT EQUIPMENT IDENTIFICATION

1. Fork part number, capacity rating, plant code letter, and date of manufacture are stamped approximately six inches below the top of most forks.
2. The carriage group number is stamped on the right hand side of the top crossmember (pin type) or on the back of the right hand end of the bottom crossmember (hook type). A date code has two letters in line with or below the carriage group number.
3. The mast identification number has a unit code, a letter indicating the plant of manufacture, and a serial number. Underneath the production sequence number is a four digit number that indicates the carriage travel in millimeters.
4. Tilt and lift cylinder group numbers are stamped on the cylinder shell.

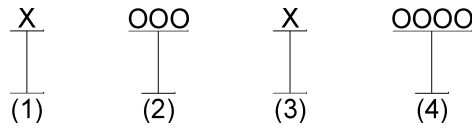
Always refer to the group, serial, or part number when ordering service parts.

Modification of masts and carriages by SPED (Special Products Engineering Department) are identified by a model prefix code beginning with the letter "S". contact your dealer for Hyster lift trucks for information on these assemblies.



HP990002

IDENTIFICATION OF ATTACHMENT AND SIDE-SHIFT CARRIAGE SERIAL NUMBERS

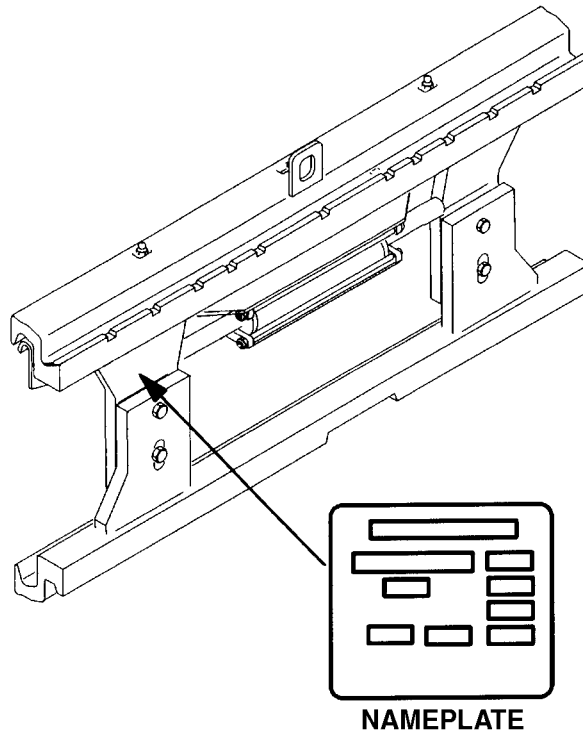


(1) and (2) The first letter and three numbers indicate the attachment unit code.

(3) The second letter indicates the plant of manufacture.

(4) The four or five digit number indicates the production sequence number.

For pending production sequence numbers contact your local dealer for Hyster lift trucks.



HP990003

Side-shift carriages and attachments have nameplates. Use the serial number found on the nameplate to identify the attachment.

Always refer to the group, serial, or part number when ordering service parts.

Modifications of attachments and side-shift carriages by SPED (Special Products Engineering Department) are identified by a model prefix code beginning with the letter "S". Contact your dealer for Hyster lift trucks for information on these assemblies.

PUBLICATIONS

Every new lift truck is provided with an OPERATING MANUAL. This manual has information that the operator must know for inspection and operation of the lift truck.

SERVICE MAINTENANCE MANUALS, which provide service and overhaul procedures, and PARTS MANUALS with complete replacement part identification, are available at a nominal fee from your Hyster dealer to assist users in effectively maintaining Hyster lift trucks in a safe, useful condition. See the list below for information on ordering specific publications for this model lift truck.

PUBLICATION	HYSTER PART NUMBER
Operating Manual	1624733
Service Manual (Complete)	1644404
Parts Manual	1637132

1	FRAME	
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SECTION 1
FRAME

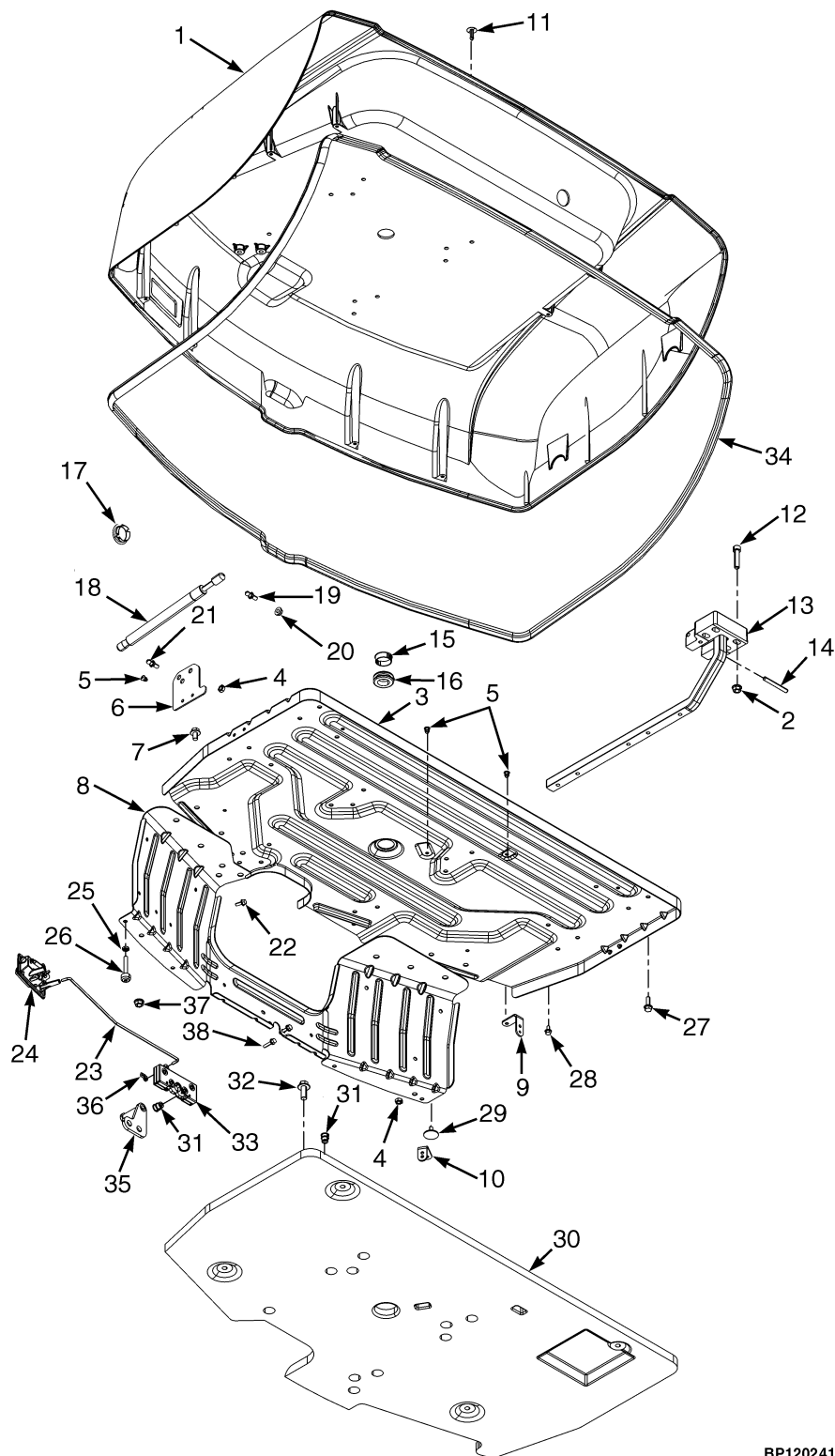
DESCRIPTION	PAGE
CAB	
FAN ASSEMBLY	1-40
HEADLINER ASSEMBLY	1-42
LEFT HAND DOOR AND ATTACHING PARTS	1-34
RIGHT HAND DOOR AND ATTACHING PARTS	1-36
RIGHT HAND DOOR AND HEATER ASSEMBLY	1-38
WITH STEEL DOORS	
MAIN ASSEMBLY	1-24
CAB AND ATTACHING PARTS	1-22
CAB ASSEMBLY	
WITH STEEL DOORS	
SHEET 1 OF 3	1-26
SHEET 2 OF 3	1-28
SHEET 3 OF 3	1-30
WINDOWS	1-32
CONTROL LEVER LABELS	
MANUAL HYDRAULICS	1-62
COUNTERWEIGHT	1-18
COWL MOUNT	1-16
ELECTRONIC LEVER LABELS	
MINI LEVERS	1-64
FENDERS	1-12
FLOOR PLATES AND COVERS	1-8
FORKS	
POLISHED FORK WITH FULL BOTTOM TAPER	
CLASS III AND IV	1-72
STANDARD TAPER	
CLASS III	1-70
CLASS IV	1-71
FULL SUSPENSION SEAT	
WITH AND WITHOUT ELECTRONIC CONTROLS	1-54
FULL SUSPENSION SWIVEL SEAT	
WITH AND WITHOUT ELECTRONIC CONTROLS	1-56
HEATER HOSE ARRANGEMENT	
CUMMINS 4.5L DIESEL	
WITH CAB	1-44
GM 4.3L LPG	
WITH CAB	1-46
HOOD ASSEMBLY	1-4
JOYSTICK CONTROL LABELS	1-66
WITH RETURN TO SET TILT	1-68
LABELS	
EXTERIOR	1-58
INTERIOR	1-60
LOAD BACK REST EXTENSION	1-74
MUD GUARDS	1-14
NON SUSPENSION SEAT	1-50
OVERHEAD GUARD	1-20
SEMI SUSPENSION SEAT	
WITH AND WITHOUT ELECTRONIC CONTROLS	1-52

SECTION 1
FRAME (Continued)

DESCRIPTION	PAGE
SOUND ABATEMENT WITH CAB	1-48

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

HOOD ASSEMBLY (Figure 1-1)



BP120241

HOOD ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY
1	1616942	Hood Assembly (Vented)	1
1	1616935	Hood	1
1	b 1616941	Hood Assembly	1
1	1616931	Hood	1
1	ad 1616939	Hood Assembly (Low Noise)	1
1	1616937	Hood With Damping	1
2	1460477	Nut	6
3	1623040	Reinforcement (Top)	1
4	364868	Nut	8
5	1608879	Huck Bolt	6
6	1623041	Bracket	2
7	1528778	Capscrew	6
8	1605470	Reinforcement (Front)	1
9	1585590	Bracket	1
10	1582370	Bracket	1
11	1347045	Fastener	8
12	296029	Capscrew	4
13	1567821	Hinge Assembly	2
14	302381	Pin	1
15	1585592	Plug	1
16	1561015	Grommet	1
17	1616379	Plug (Yellow)	1
18	1632293	Gas Spring (With Overhead Guard)	2
18	1632293	Gas Spring (With Cab - RH)	1
18	1610854	Gas Spring (With Cab - LH)	1
19	1606659	Ball Stud (With Cab)	1
20	1586430	Nut	4
21	1563369	Ball Stud (With Cab)	3
21	1563369	Ball Stud (With Overhead Guard)	4
22	1527876	Capscrew	2
23	1584142	Rod (Link)	1
24	1564263	Handle	1
25	329069	Nut	2
26	1585581	Bumper (Hood)	2
27	1510113	Capscrew	8
28	1534417	Capscrew	8
29	1304971	Fastener	4
30	1606008	Liner	1
31	1530243	Insert	4
32	1528889	Capscrew	6
33	1590370	Latch	1
34	1590488	Seal	1
35	1584654	Latch (Striker)	1
36	1530221	Clip	2
37	1460477	Nut	4
38	1527878	Capscrew	4
	cd 1593942	Hood Liner (Low Noise) (LH Panel)	1

HOOD ASSEMBLY

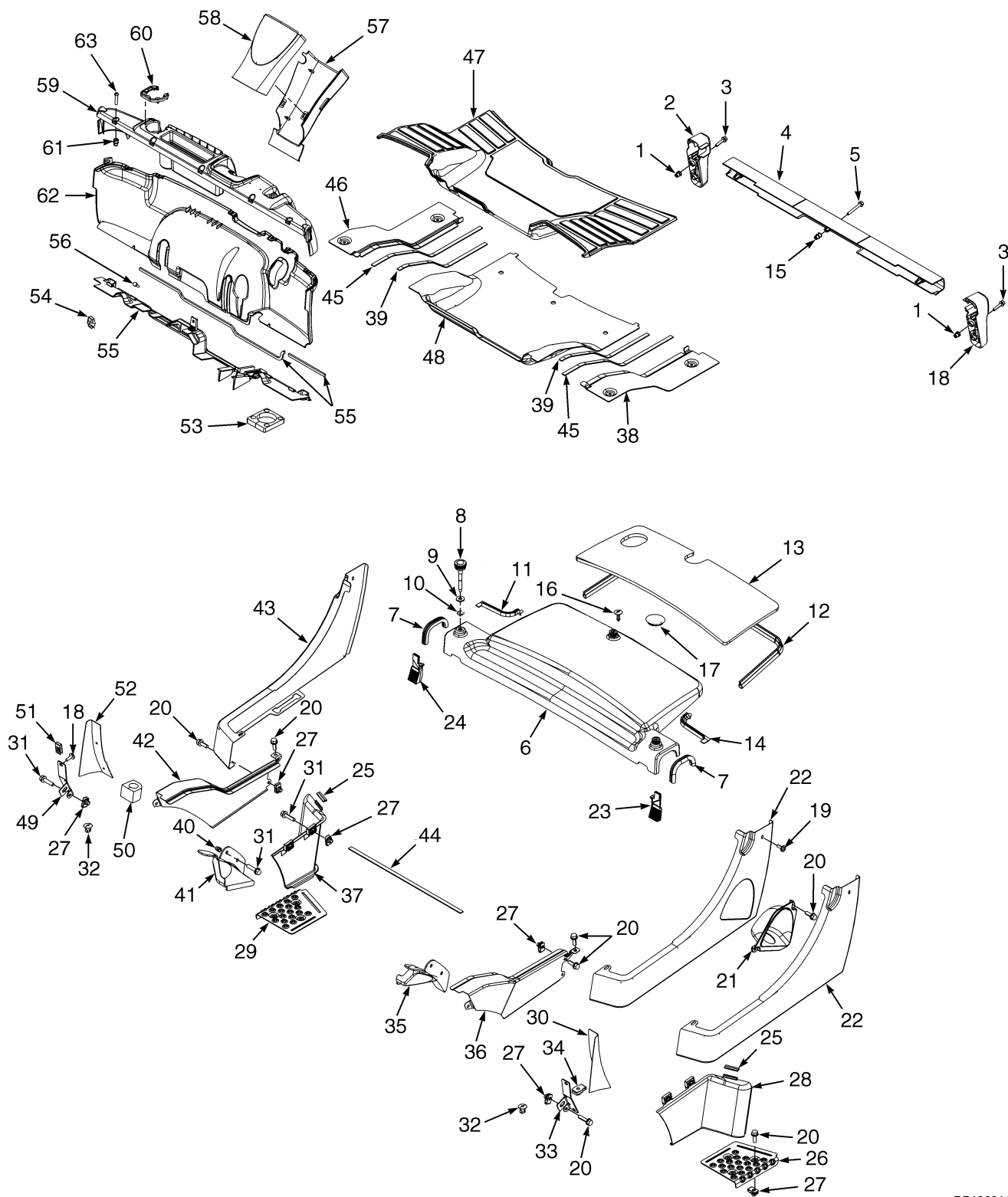
ITEM	PART NO.	DESCRIPTION	QTY
	cd 1593943	Hood Liner (Low Noise) (RH Panel)	1
	cd 1593951	Hood Liner (Low Noise) (Front Panel)	1

FOOTNOTES:

- a** Diesel
- b** Gasoline and LPG
- c** Not Illustrated
- d** Used with Cab

[illegible]

FLOOR PLATES AND COVERS (Figure 1-2)



BP120211

FLOOR PLATES AND COVERS

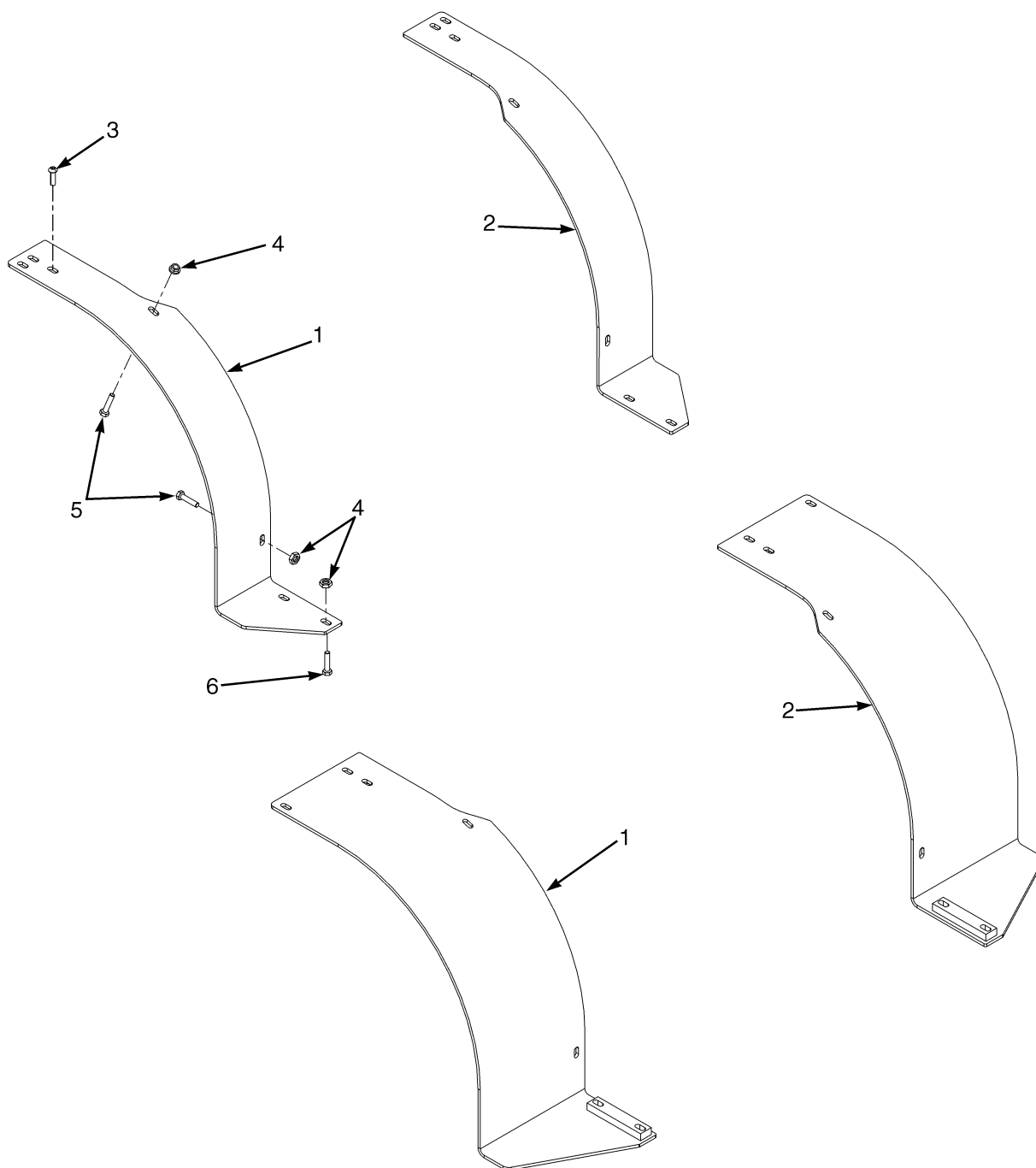
ITEM	PART NO.	DESCRIPTION	QTY
1	1531558	Insert.....	2
2	2056823	Tail Light Base (RH).....	1
3	1586495	Capscrew.....	4
4	2067475	Cover	1
5	1540643	Capscrew.....	3
6	1589223	Radiator Cover Assembly	1
6	1587872	Cover	1
7	1603285	Seal	2
8	1588247	Screw	2
9	320158	Washer	3
10	353206	Snap Ring.....	3
11	1603959	Seal (RH).....	1
12	1590332	Seal	1
13	1617194	Sound Liner	1
14	1603893	Seal (LH)	1
15	1531001	Insert.....	3
16	1347045	Fastener.....	5
17	2021395	Cap	1
18	2056822	Tail Light Base (LH)	1
19	1530019	Screw.....	6
20	1583611	Capscrew.....	20
21	1517656	Splash Shield.....	1
22	1584130	Panel (Rear LH) (LPG Only).....	1
22	1584129	Panel (Rear LH) (Gasoline or Diesel Only).....	1
23	2089201	Seal (LH)	1
24	2089202	Seal	1
25	1582072	Trim Seal.....	2
26	1544413	Plate (LH)	1
27	1480237	Clip Nut.....	22
28	1608881	Panel (LH Step)	1
29	1544415	Plate (RH)	1
30	1565962	Cover (LH Fender)	1
31	1586627	Capscrew.....	10
32	1581079	Plug	4
33	1597837	Bracket (LH).....	1
34	1393879	Clip Nut.....	2
35	1626734	Flap (LH).....	1
36	1597410	Panel (Front LH)	1
37	1608883	Panel (RH Step).....	1
38	1583582	Floor Plate (LH)	1
39	1586762	Seal	1
40	1530243	Insert.....	4
41	1626735	Flap (RH)	1
42	1597412	Panel (Front RH).....	1
43	1584135	Panel (Rear RH)	1
44	1588766	Seal	1
45	1567329	Seal	2
46	1583583	Floor Plate (RH).....	1
47	2077209	Floor Mat	1
48	1583581	Floor Plate (Center)	1
49	1597838	Bracket (RH)	1

FLOOR PLATES AND COVERS

ITEM	PART NO.	DESCRIPTION	QTY
50	1530135	Grommet.....	1
51	325182	Nut	4
52	1565964	Cover (RH Fender)	1
53	1595782	Seal	1
54	2065667	Clip	2
55	1567328	Plate Assembly	1
55	1529428	Seal	1
56	2027655	Screw.....	2
57	2065666	Cover (Steering Column).....	1
58	2065668	Cover (Steering Column).....	1
59	1573597	Dash Assembly (Manual Hydraulics).....	1
59	1573598	Dash Assembly (Electronic Hydraulics).....	1
60	2070975	Cup Holder	1
61	1531001	Insert.....	5
62	2070726	Kick Panel (Single Brake Pedal)	1
62	2076204	Kick Panel (Dual Brake Pedal).....	1
63	2071261	Capscrew.....	5

[illegible]

FENDERS (Figure 1-3)

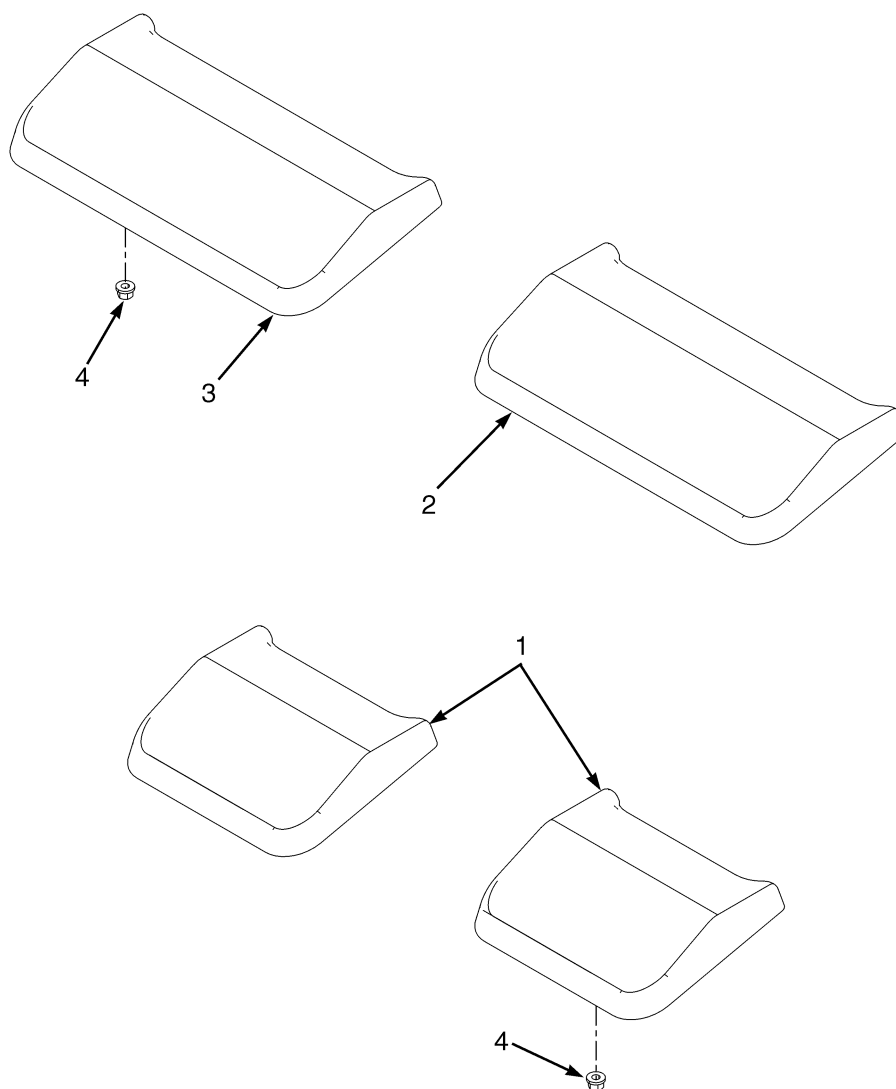


BP120229

FENDERS**KEY:****A: H80-90FT****B: H100-120FT**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1578570	Fender (Wide Tread) (LH)	1	..
1	1578571	Fender (Wide Tread) (LH)	..	1
1	1578572	Fender (Dual Tread) (LH)	1	..
1	1578573	Fender (Dual Tread) (LH)	..	1
2	1578574	Fender (Wide Tread) (RH)	1	..
2	1578575	Fender (Wide Tread) (RH)	..	1
2	1578576	Fender (Dual Tread) (RH)	1	..
2	1578577	Fender (Dual Tread) (RH)	..	1
3	2076289	Capscrew	2	2
4	1586432	Nut	10	10
5	1613433	Capscrew	4	4
6	1613434	Capscrew	4	4

MUD GUARDS (Figure 1-4)



BP120221

KEY:

A: Standard Tread

B: Wide Tread

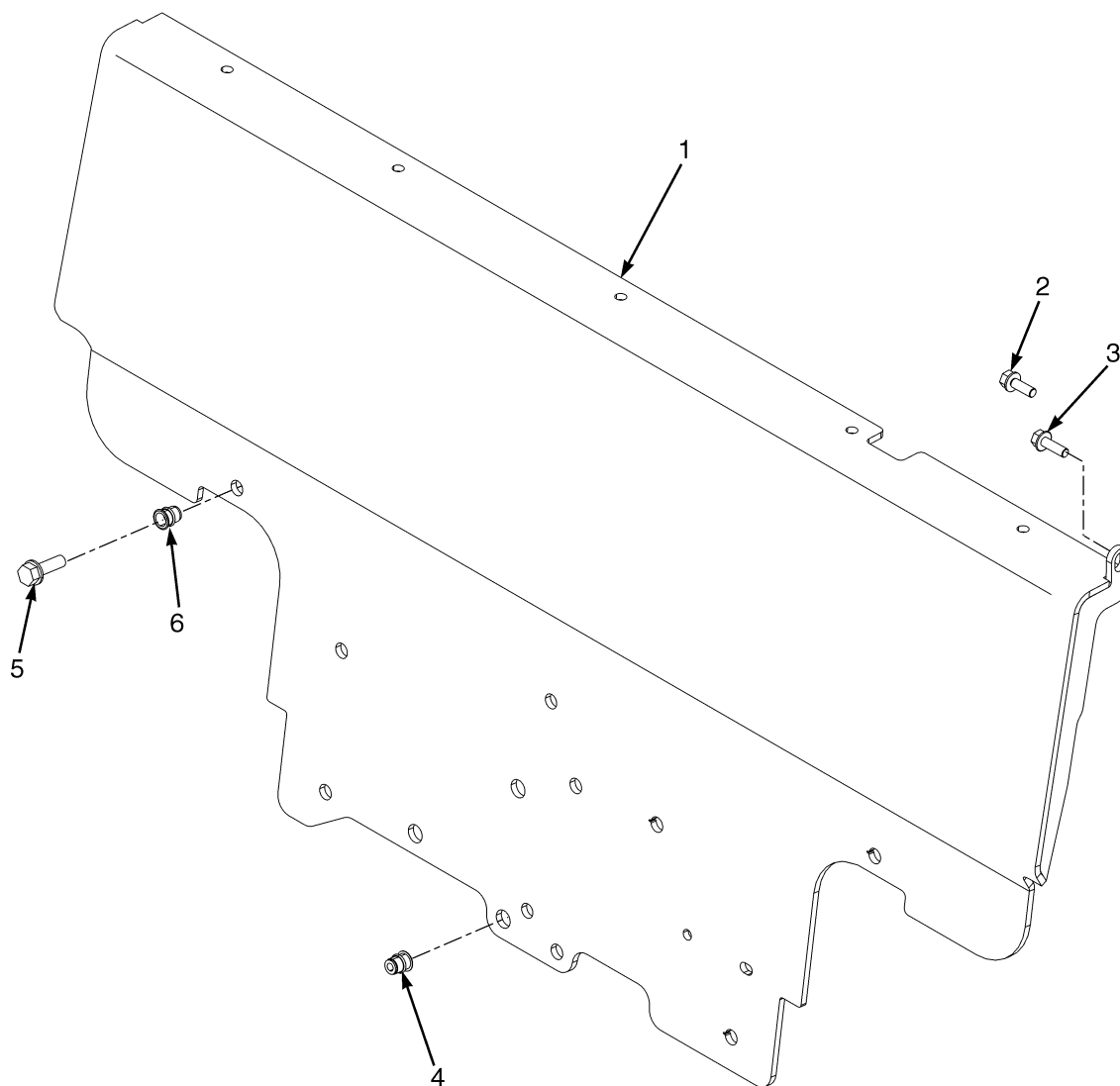
C: Dual Tread

ITEM	PART NO.	DESCRIPTION	QTY		
			A	B	C
1	2071647	Mud Guard.....	2	..	..
2	b 2074436	Mud Guard (LH).....	..	1	..
2	a 2074437	Mud Guard (LH).....	..	1	..
2	b 2074438	Mud Guard (LH).....	..	..	1
2	a 2074439	Mud Guard (LH).....	..	..	1
3	b 2074440	Mud Guard (RH).....	..	1	..
3	a 2074441	Mud Guard (RH).....	..	1	..
3	b 2074442	Mud Guard (RH).....	..	..	1

MUD GUARDS

ITEM	PART NO.	DESCRIPTION	QTY		
			A	B	C
3	a 2074443	Mud Guard (RH)	..	..	1
4	1544153	Lock Nut.....	4	4	6

FOOTNOTES:**a** H100-120FT**b** H90FT

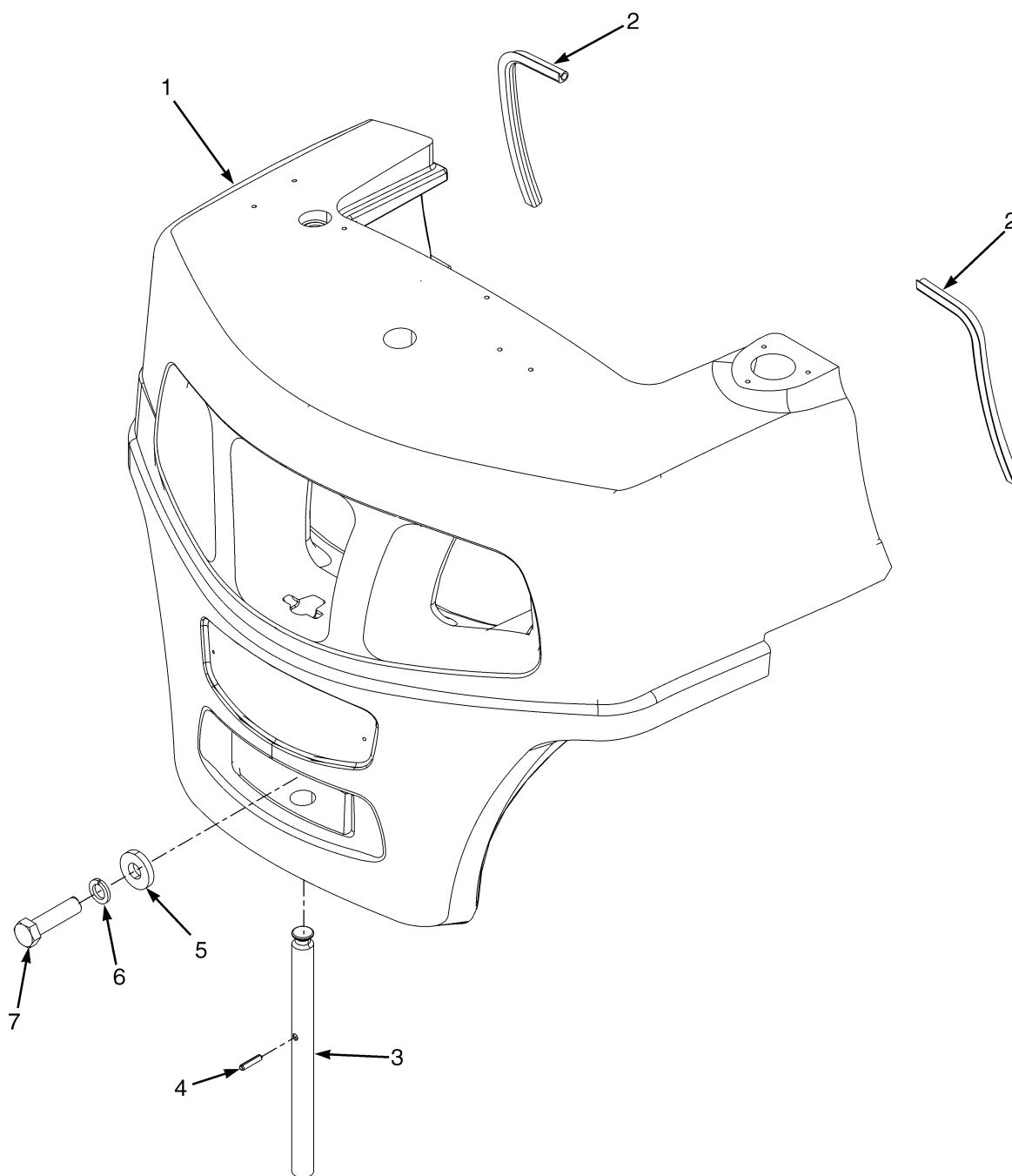
COWL MOUNT (Figure 1-5)

BP120212

COWL MOUNT

ITEM	PART NO.	DESCRIPTION	QTY
1	1637180	Cowl.....	1
2	1583611	Capscrew.....	2
3	1510113	Capscrew.....	2
4	1530243	Insert.....	2
5	1586629	Capscrew.....	7
6	1640776	Insert.....	7

COUNTERWEIGHT (Figure 1-6)

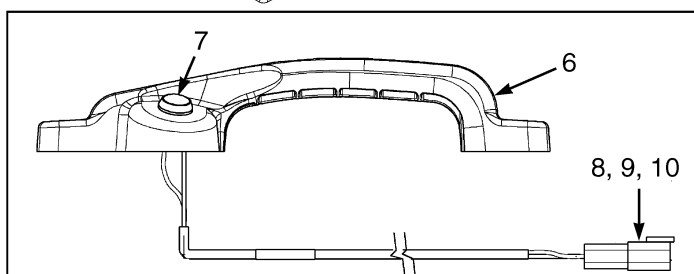
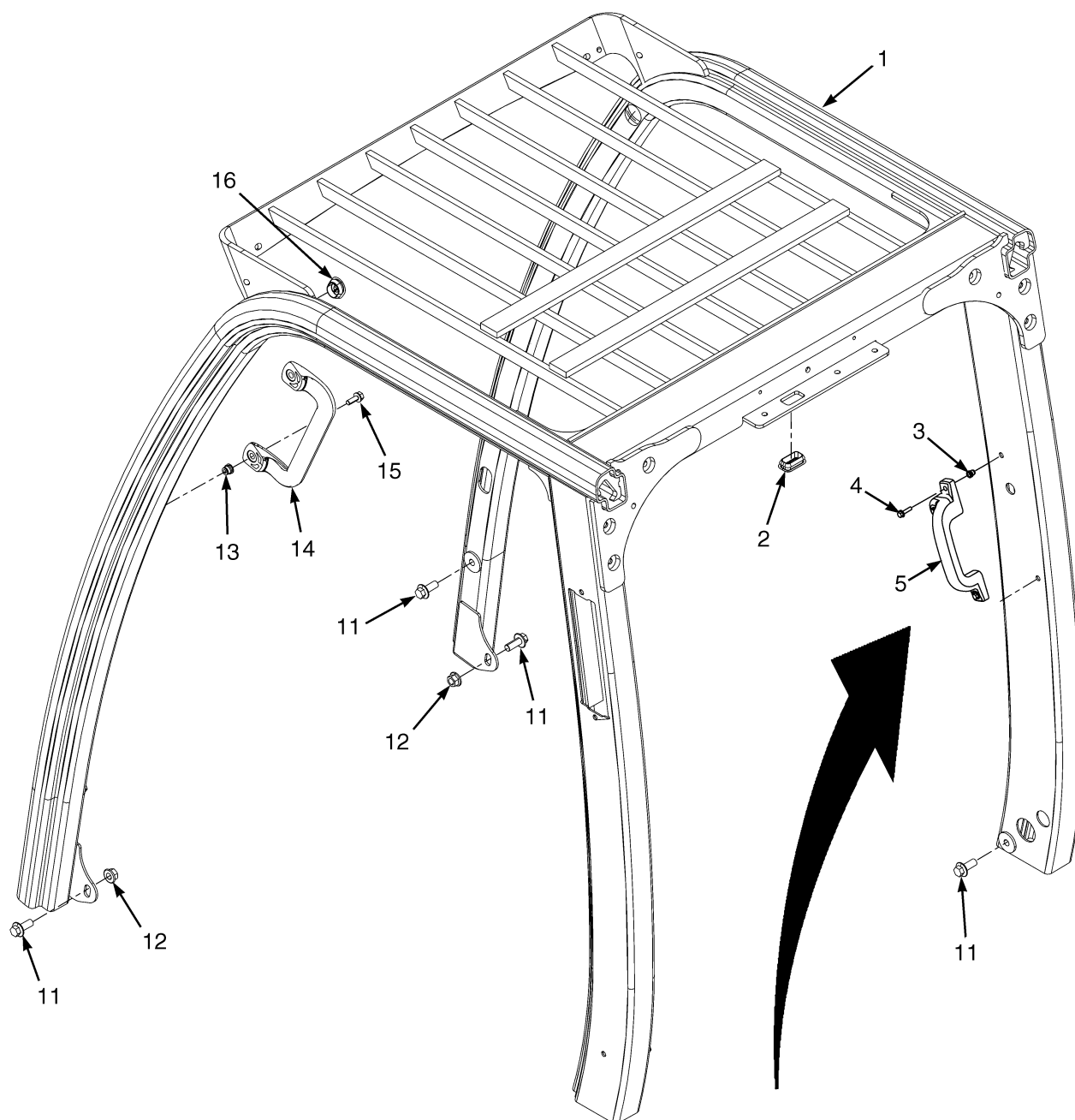


BP120215

COUNTERWEIGHT

ITEM	PART NO.	DESCRIPTION	QTY
1	1573903	Counterweight (H80FT)	1
1	1573904	Counterweight (H90FT)	1
1	1573905	Counterweight (H100FT)	1
1	1573911	Counterweight (H110FT)	1
1	1573906	Counterweight (H120FT)	1
2	1603681	Seal	2
3	1581187	Tow Pin	1
4	302491	Pin	1
5	1571610	Washer	1
6	292691	Lockwasher.....	1
7	292627	Capscrew.....	1

OVERHEAD GUARD (Figure 1-7)



BP120165

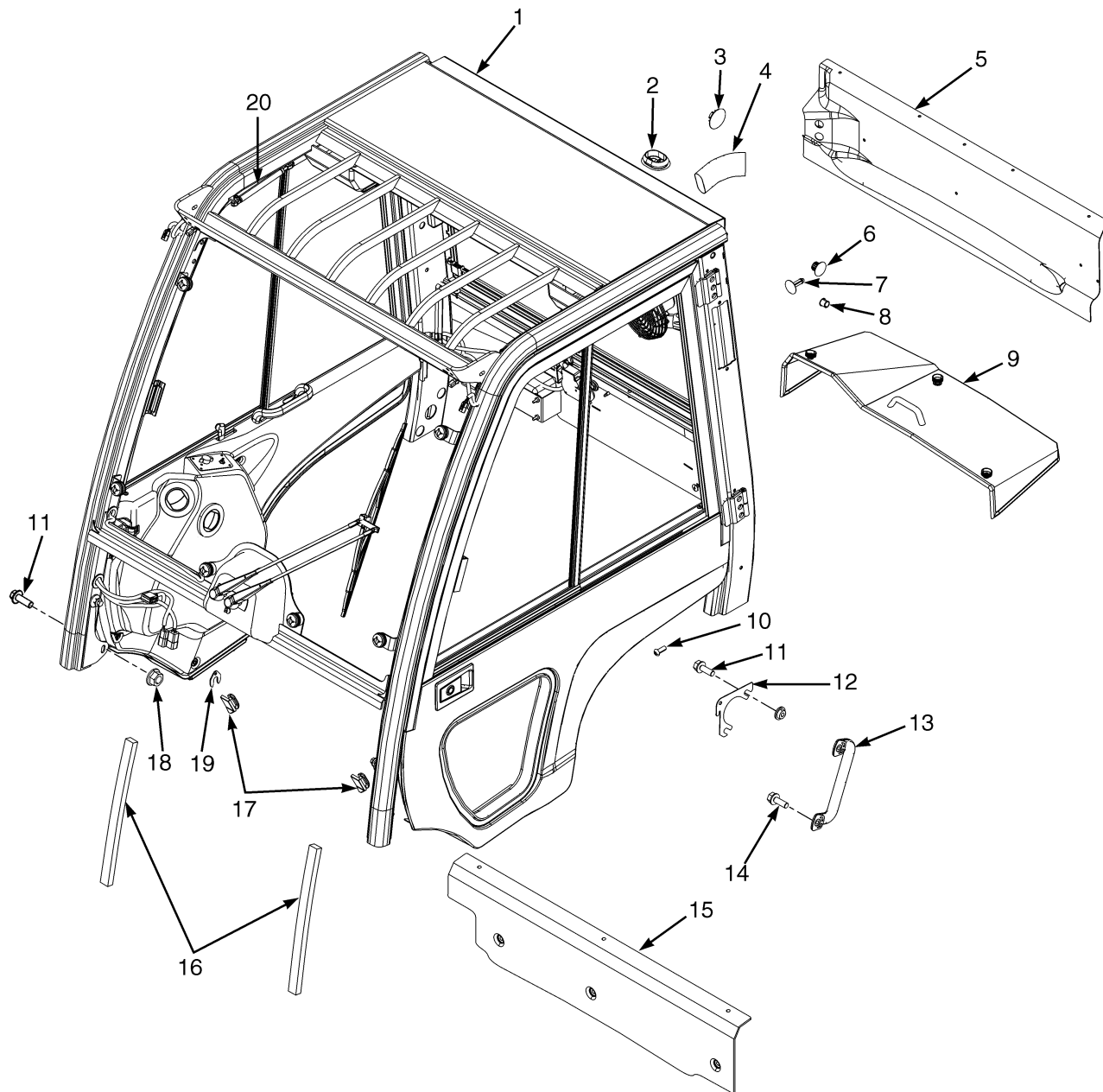
OVERHEAD GUARD

ITEM	PART NO.	DESCRIPTION	QTY
1	1599206	Overhead Guard (Tall)	1
1	1599212	Overhead Guard (Short)	1
2	1560671	Grommet	1
3	1531558	Insert	2
4	1586495	Capscrew	2
5	2070223	Handle Assembly	1
6	2069454	Handle	1
7	1566726	Switch	1
8	1493465	Connector	1
9	1330414	Secondary Lock	1
10	1330437	Terminal (Pin)	2
11	1566853	Capscrew	8
12	1528888	Nut	2
13	1531557	Insert	4
14	1536813	Handle (Grab)	1
15	1583611	Capscrew	2
16	1558219	Grommet	2
	a 1527395	Grommet	1
	a 1494888	Plug	4
	a 1599415	Plug	1

FOOTNOTES:

a Not Illustrated

CAB AND ATTACHING PARTS (Figure 1-8)



BP120220

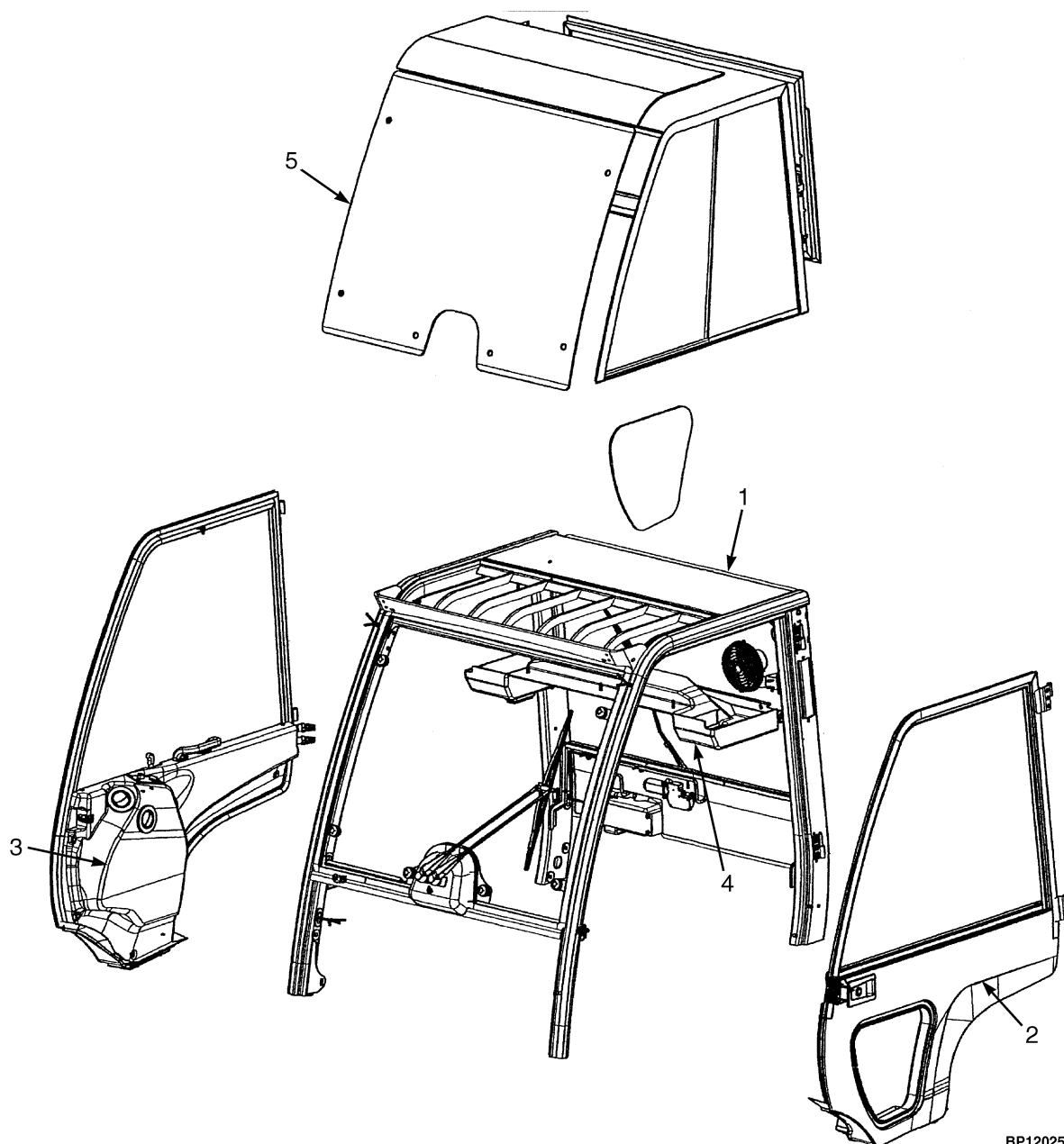
CAB AND ATTACHING PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	1617019	Cab Assembly (With Steel Doors) (See Figure 1-9)	1
2	2070996	Grommet	1
3	1599415	Plug	1
4	1637748	Sleeve	1
5	1633304	Cover	1
6	1574301	Plug	6
7	2090695	Fastener	6
8	1494888	Plug	4
9	1633303	Cover (Counterweight)	4
10	1510126	Capscrew (Button Head)	4
11	1527888	Capscrew	8
12	1636853	Shim	AR
13	1536813	Handle (Grab)	1
14	1583611	Capscrew	8
15	1635652	Cover	4
16	1613743	Seal	1
17	1589787	Seal	2
18	1528888	Nut	2
19	1636647	Shim	AR
	a 320156	Washer	1

FOOTNOTES:

a Not Illustrated

CAB (Figure 1-9) WITH STEEL DOORS MAIN ASSEMBLY

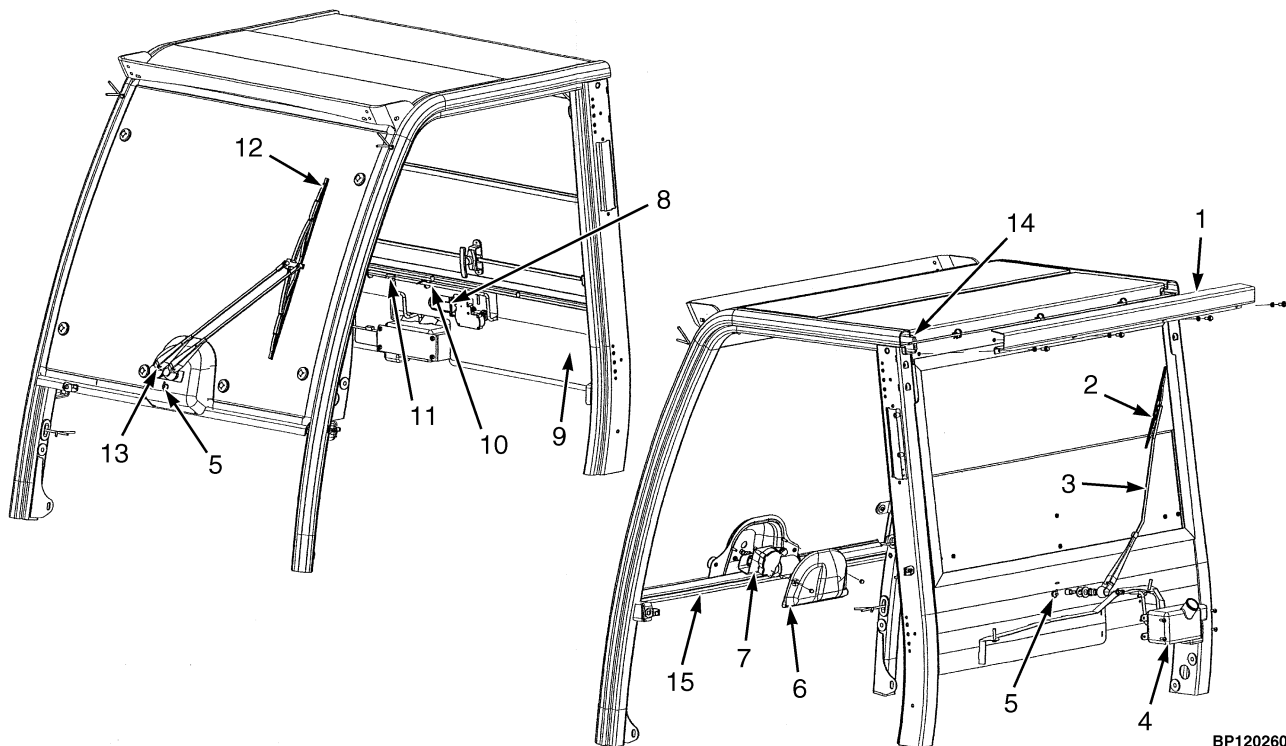


BP120259

**CAB
WITH STEEL DOORS
MAIN ASSEMBLY**

ITEM	PART NO.	DESCRIPTION	QTY
1	1617019	Cab Assembly.....	1
2	1647414	Door Assembly (LH) (☞ Figure 1-14)	1
3	1647415	Door Assembly (RH) (☞ Figure 1-15)	1
4	1647416	Headliner Assembly (☞ Figure 1-18)	1
5		Cab Glass (☞ Figure 1-13)	1

CAB ASSEMBLY (Figure 1-10) WITH STEEL DOORS SHEET 1 OF 3

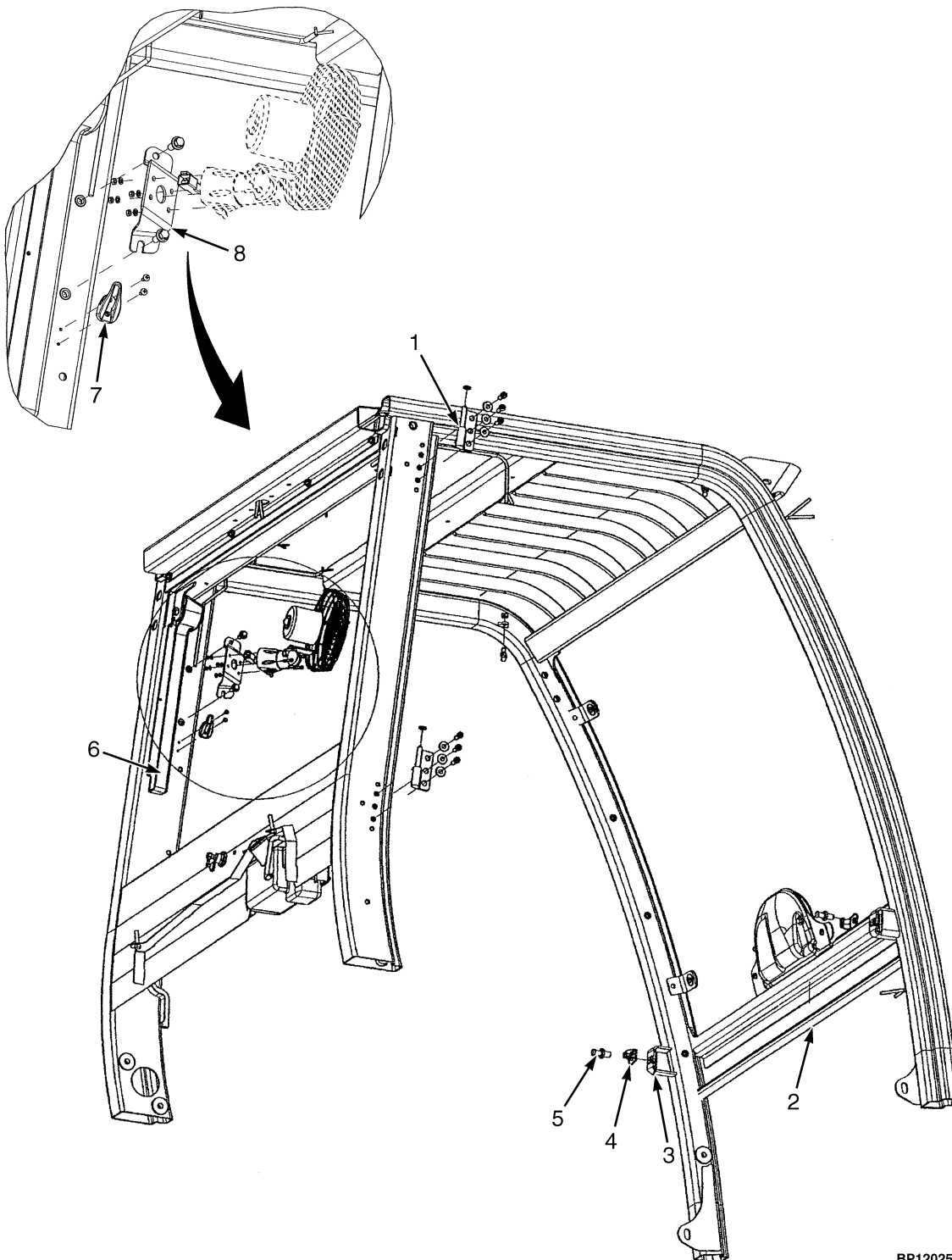


BP120260

**CAB ASSEMBLY
WITH STEEL DOORS
SHEET 1 OF 3**

ITEM	PART NO.	DESCRIPTION	QTY
	1617019	Cab Assembly.....	1
1	1647448	Cover.....	1
2	1647438	Wiper Blade (Rear).....	1
3	1647437	Wiper Arm	1
4	1646922	Washer Bottle	1
5	1647424	Connector.....	2
6	1647422	Cover (Front Wiper)	1
7	1647433	Wiper Motor (Front)	1
8	1647436	Wiper Motor (Rear).....	1
9	1647443	Liner	1
10	1647447	Hose	1
11	1647446	Connector.....	1
12	1647435	Wiper Blade.....	1
13	1647434	Wiper Arm (Front).....	1
14	1647444	Trim (Rear Light).....	2
15	1647445	Trim (Front Window)	1

CAB ASSEMBLY (Figure 1-11) WITH STEEL DOORS SHEET 2 OF 3

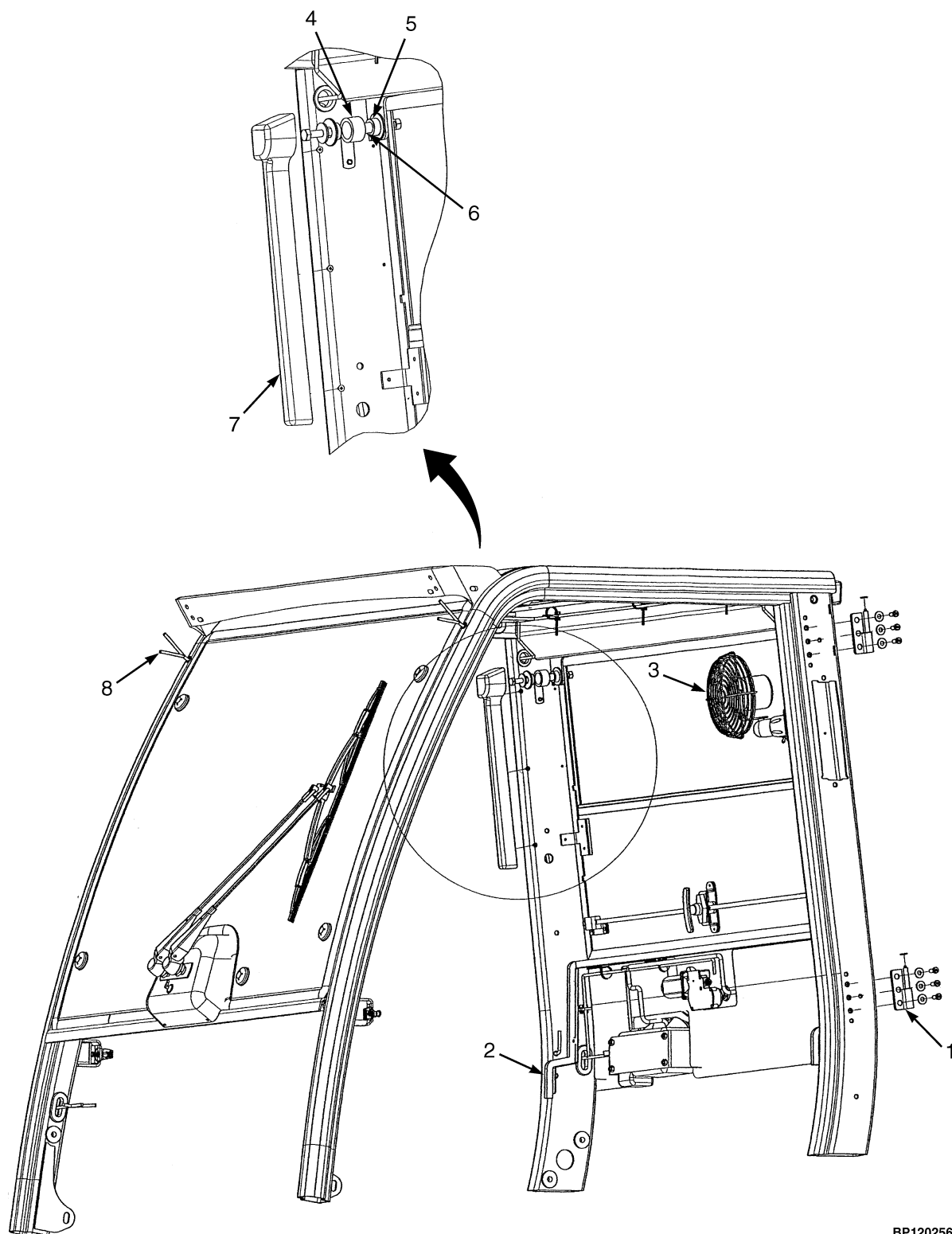


BP120257

**CAB ASSEMBLY
WITH STEEL DOORS
SHEET 2 OF 3**

ITEM	PART NO.	DESCRIPTION	QTY
	1617019	Cab Assembly (With Steel Doors)	1
1	1647613	Hinge	2
2	1647439	Seal (Front Cowl).....	1
3	1393488	Block.....	2
4	1393541	Guard	2
5	1393486	Striker Bolt.....	2
6	1647429	Cover.....	1
7	1647423	Coat Hook	1
8	1647430	Bracket (Fan).....	1

CAB ASSEMBLY (Figure 1-12) WITH STEEL DOORS SHEET 3 OF 3

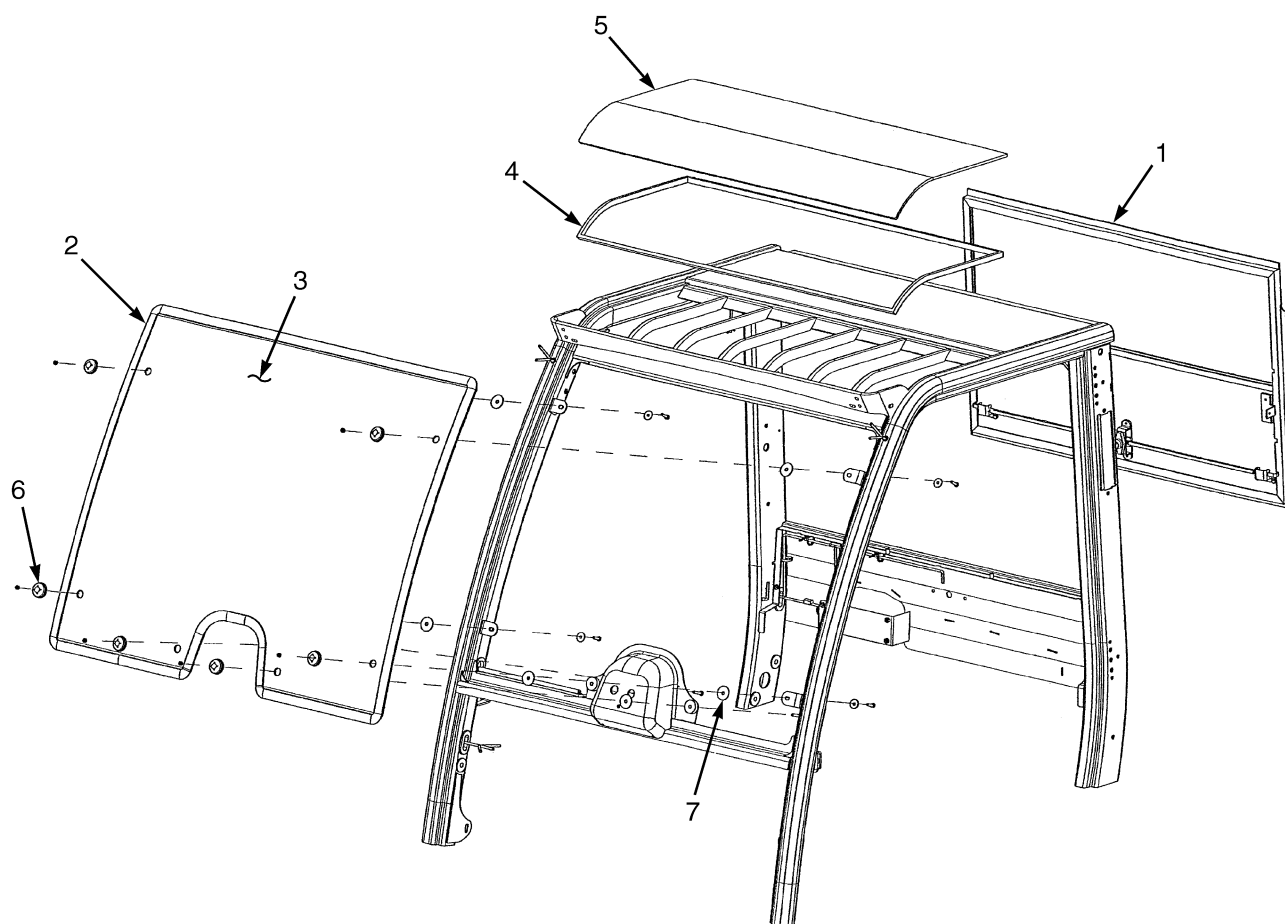


BP120256

**CAB ASSEMBLY
WITH STEEL DOORS
SHEET 3 OF 3**

ITEM	PART NO.	DESCRIPTION	QTY
	1617019	Cab Assembly (With Steel Doors)	1
1	1647612	Hinge	2
2	1647432	Seal	1
3	1647431	Fan Assembly	1
4	1647427	Spring	2
5	1647425	Bushing	4
6	1647426	Bushing	2
7	1647428	Cover (RH)	1
8	1647440	Wire Harness (Lights)	1

CAB ASSEMBLY (Figure 1-13) WITH STEEL DOORS WINDOWS

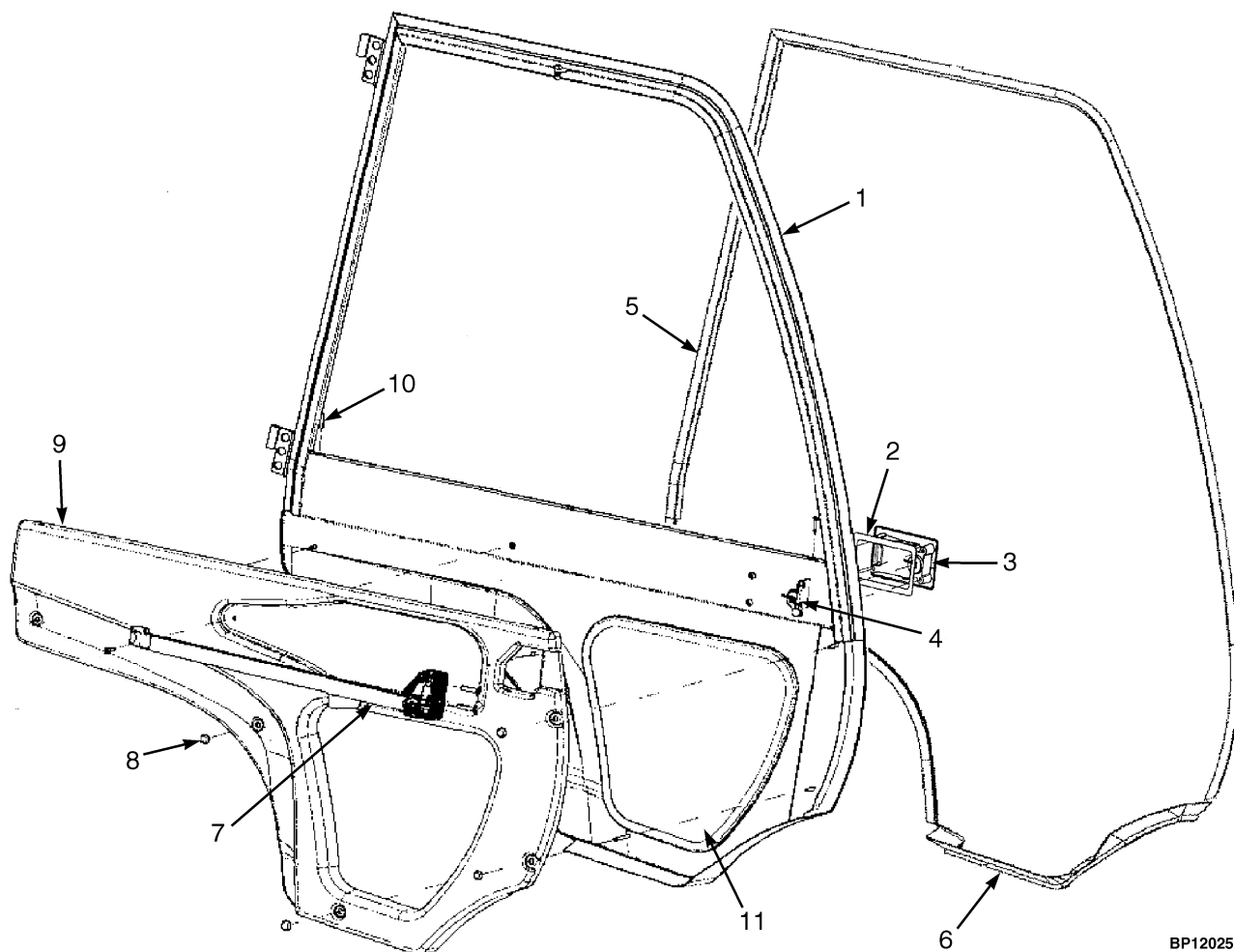


BP120264

**CAB ASSEMBLY
WITH STEEL DOORS
WINDOWS**

ITEM	PART NO.	DESCRIPTION	QTY
	1617019	Cab Assembly.....	1
1	1647524	Window (Rear Sliding).....	1
2	1647442	Seal (Front Window).....	1
3	1647523	Window (Front).....	1
4		Seal.....	1
5	1647522	Skylight.....	1
6	1647441	Cap.....	6
7	1468316	Washer.....	6

CAB (Figure 1-14) LEFT HAND DOOR AND ATTACHING PARTS



BP120254

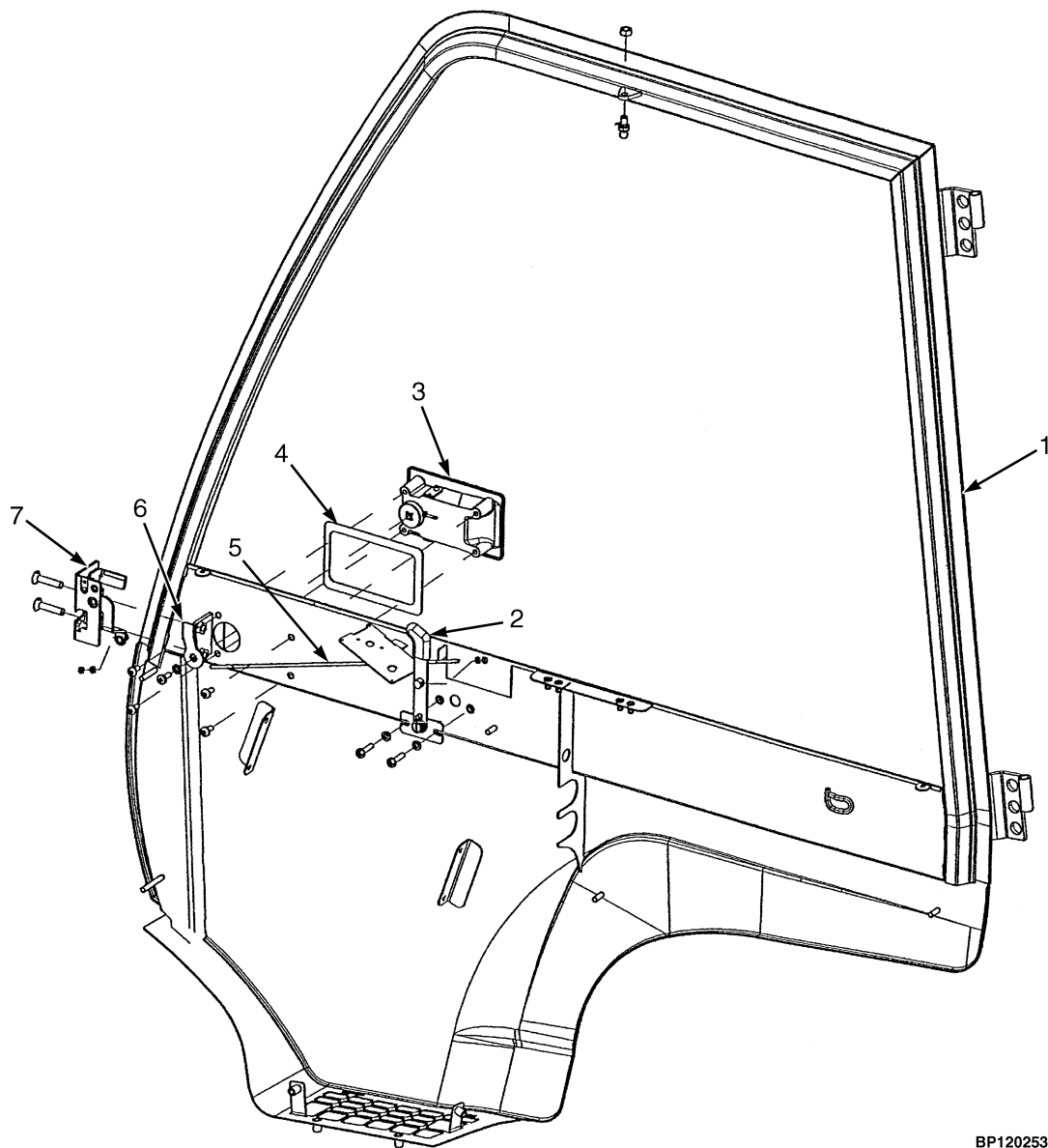
CAB

LEFT HAND DOOR AND ATTACHING PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	1647414	Door Assembly (LH)	1
2	1647452	Seal	1
3	1647451	Latch.....	1
4	1647453	Lever.....	1
5	1647455	Seal (Upper LH)	1
6	1647458	Seal (Lower LH Door).....	1
7	1393479	Handle and Latch	1
8	1647457	Retainer.....	5
9	1647454	Liner (LH Interior)	1
10	1647456	Plug	2
11	1647526	Window (Lower Door)	1
	a 1647525	Sliding Window	1

FOOTNOTES:**a** Not Illustrated

CAB (Figure 1-15) RIGHT HAND DOOR AND ATTACHING PARTS



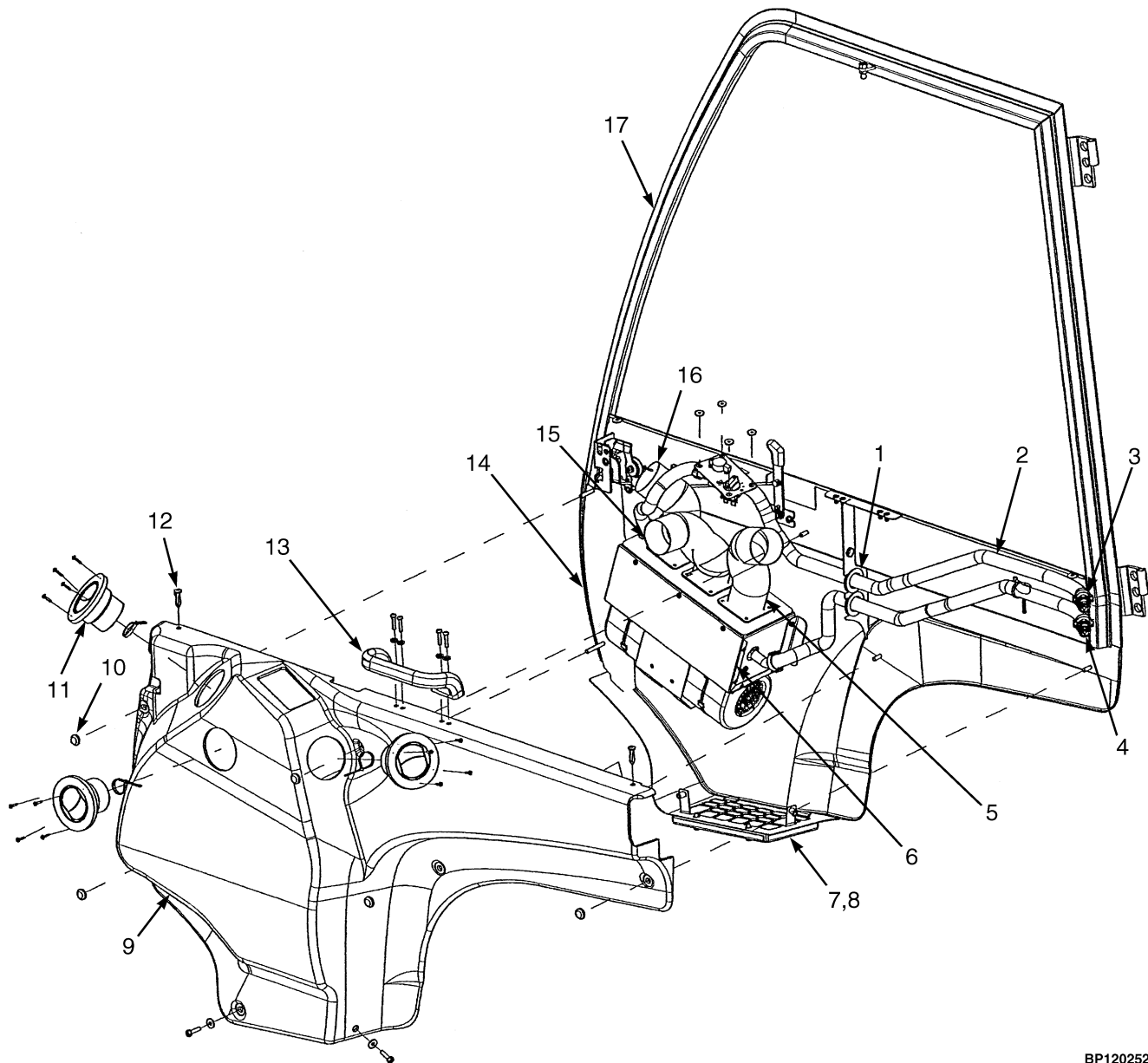
BP120253

CAB
RIGHT HAND DOOR AND ATTACHING PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	1647415	Door Assembly (RH)	1
2	1647482	Handle	1
3	1647451	Latch	1
4	1647452	Seal	1
5	1647481	Linkage (Door Latch)	1
6	1647483	Lever	1
7	1647480	Latch	1
8	a 1647527	Sliding Window	1

FOOTNOTES:**a** Not Illustrated

CAB (Figure 1-16) RIGHT HAND DOOR AND HEATER ASSEMBLY



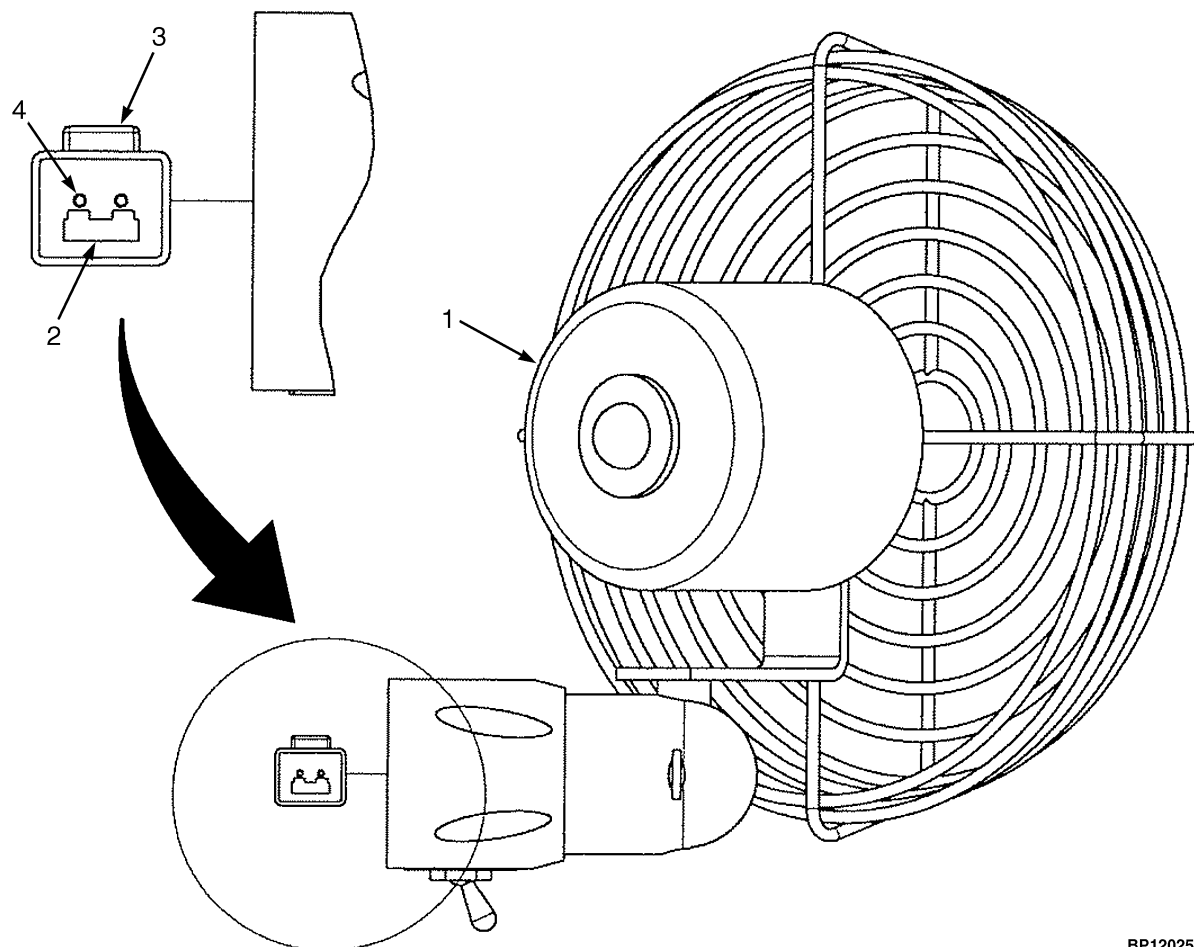
BP120252

CAB

RIGHT HAND DOOR AND HEATER ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY
	1647415	Door Assembly (RH)	1
1	1647484	Grommet	2
2	1647496	Hose	1
3	1647492	Fitting.....	2
4	1647495	Clamp	6
5	1491494	Adapter.....	1
6	1647485	Heater (12 Volt)	1
7	1647491	Filter	1
8	1647490	Cover.....	1
9	1647488	Liner	1
10	1647457	Retainer.....	5
11	1647489	Louver	3
12	1647456	Plug	2
13	1647494	Handle	1
14	1647497	Seal	1
15	1647486	Cover.....	1
16	1647487	Hose	1
17	1647493	Seal	1

CAB (Figure 1-17) FAN ASSEMBLY

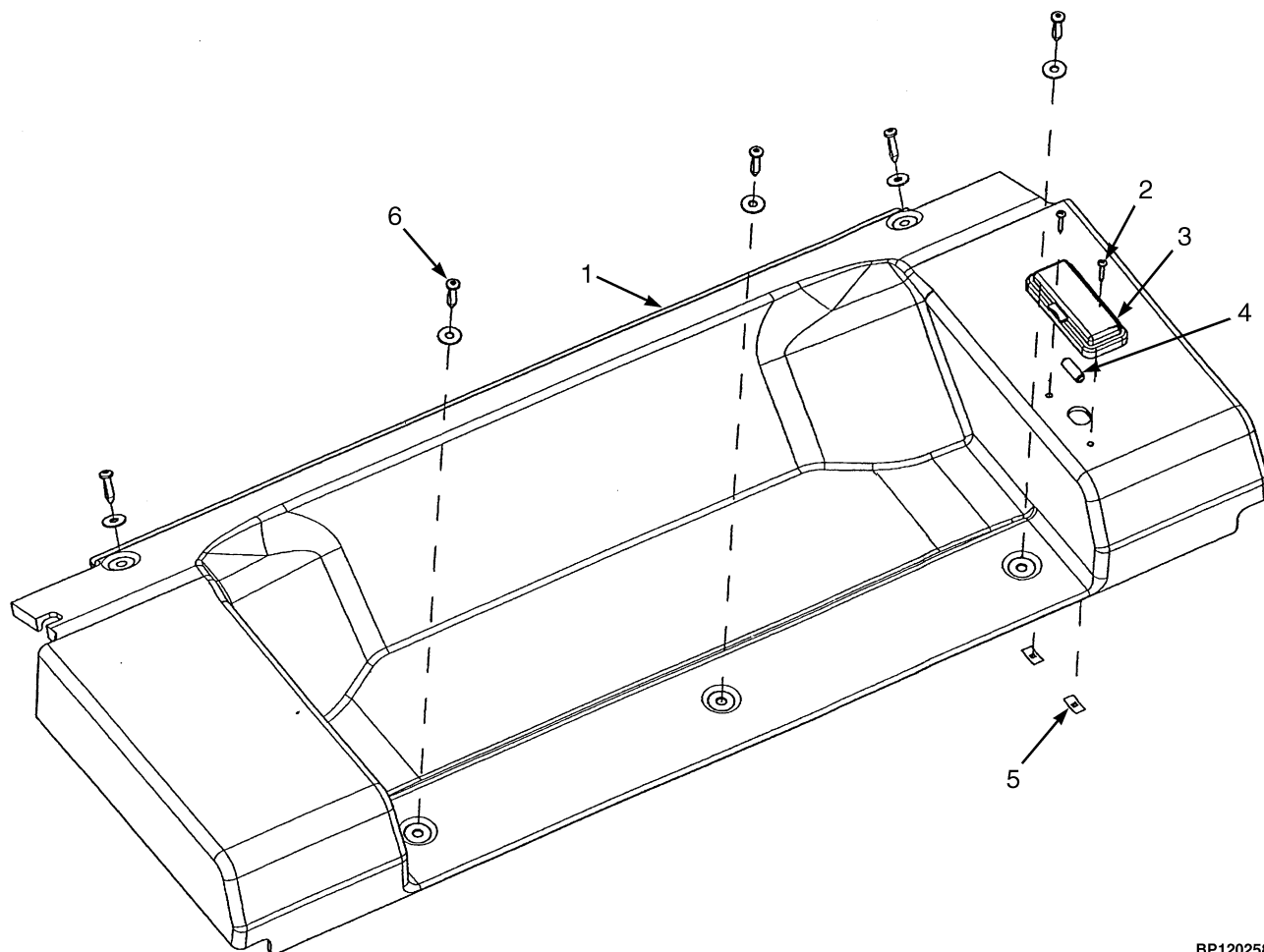


BP120255

**CAB
FAN ASSEMBLY**

ITEM	PART NO.	DESCRIPTION	QTY
	1647431	Fan Assembly	1
1	1647529	Fan	1
2	1330409	Connector.....	1
3	1330414	Secondary Lock.....	1
4	1330437	Terminal (Pin)	2

CAB (Figure 1-18) HEADLINER ASSEMBLY

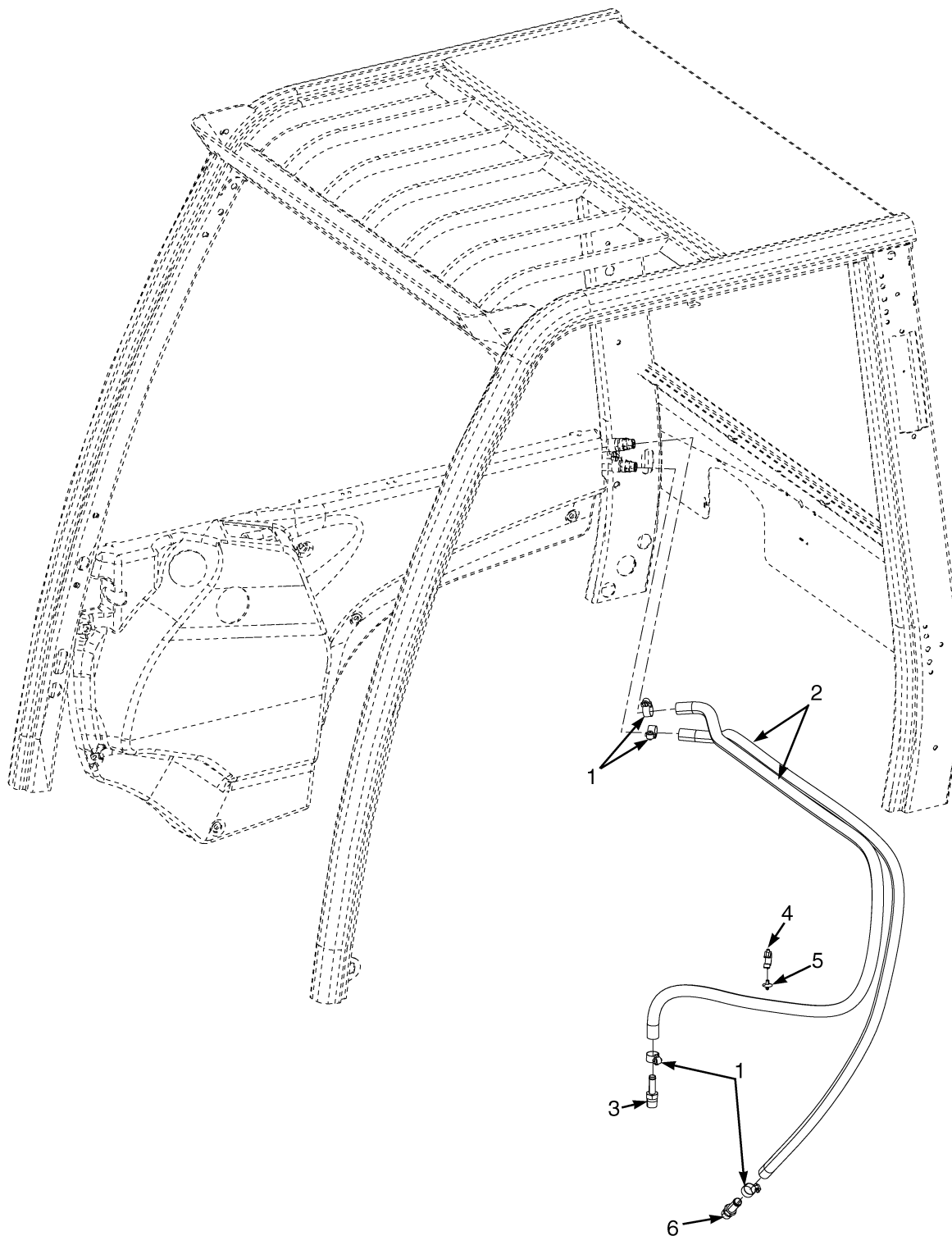


BP120258

**CAB
HEADLINER ASSEMBLY**

ITEM	PART NO.	DESCRIPTION	QTY
	1617019	Cab Assembly (With Steel Doors)	1
1	1647416	Headliner Assembly	1
1	1647459	Headliner.....	1
2	1491220	Screw	2
3	1393528	Dome Light.....	1
4	1393527	Bulb.....	1
5	1491466	Fastener.....	2
6	1647456	Plug.....	5

HEATER HOSE ARRANGEMENT (Figure 1-19) CUMMINS 4.5L DIESEL WITH CAB

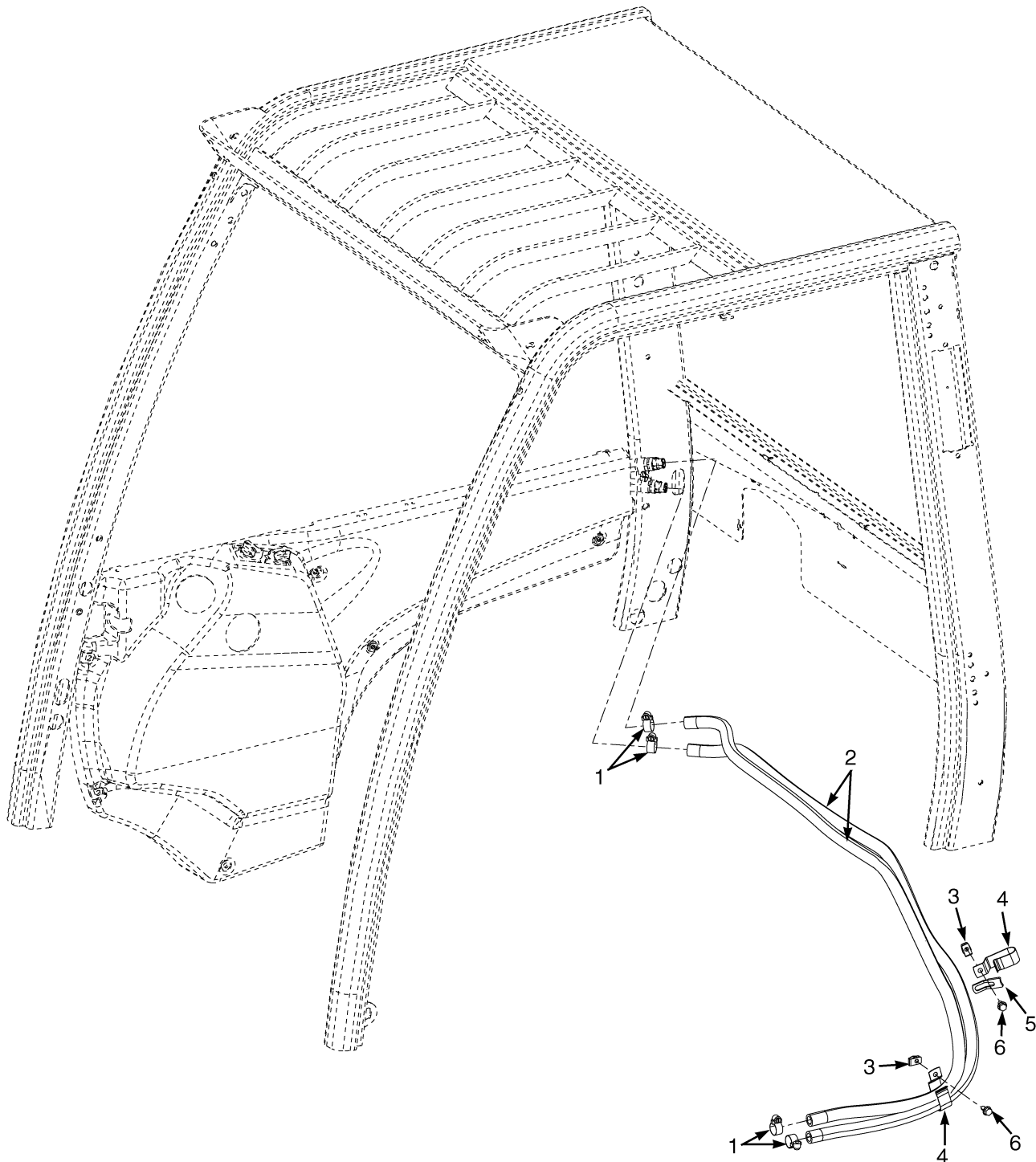


BP120326

**HEATER HOSE ARRANGEMENT
CUMMINS 4.5L DIESEL
WITH CAB**

ITEM	PART NO.	DESCRIPTION	QTY
1	130845	Clamp	4
2	2071001	Hose	2
3	222473	Fitting.....	1
4	1543842	Base (Clamp).....	1
5	1569465	Clamp	3
6	16156	Fitting.....	1

HEATER HOSE ARRANGEMENT (Figure 1-20) GM 4.3L LPG WITH CAB

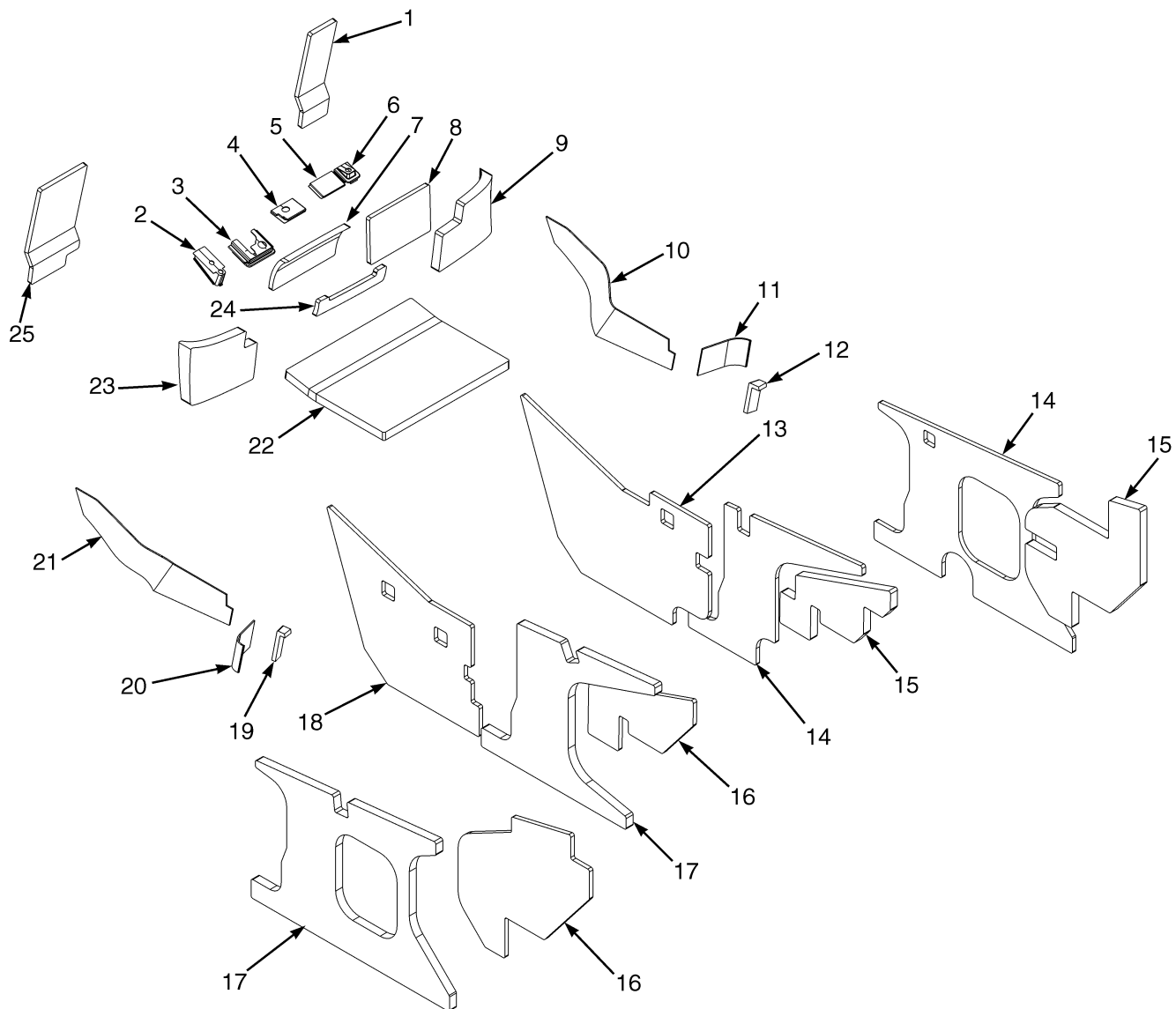


BP120327

**HEATER HOSE ARRANGEMENT
GM 4.3L LPG
WITH CAB**

ITEM	PART NO.	DESCRIPTION	QTY
1	130845	Clamp	4
2	2071001	Hose	2
3	1480237	Clip Nut.....	2
4	1562648	Clip	2
5	1356947	Strap	1
6	1527879	Capscrew.....	2

SOUND ABATEMENT (Figure 1-21) WITH CAB



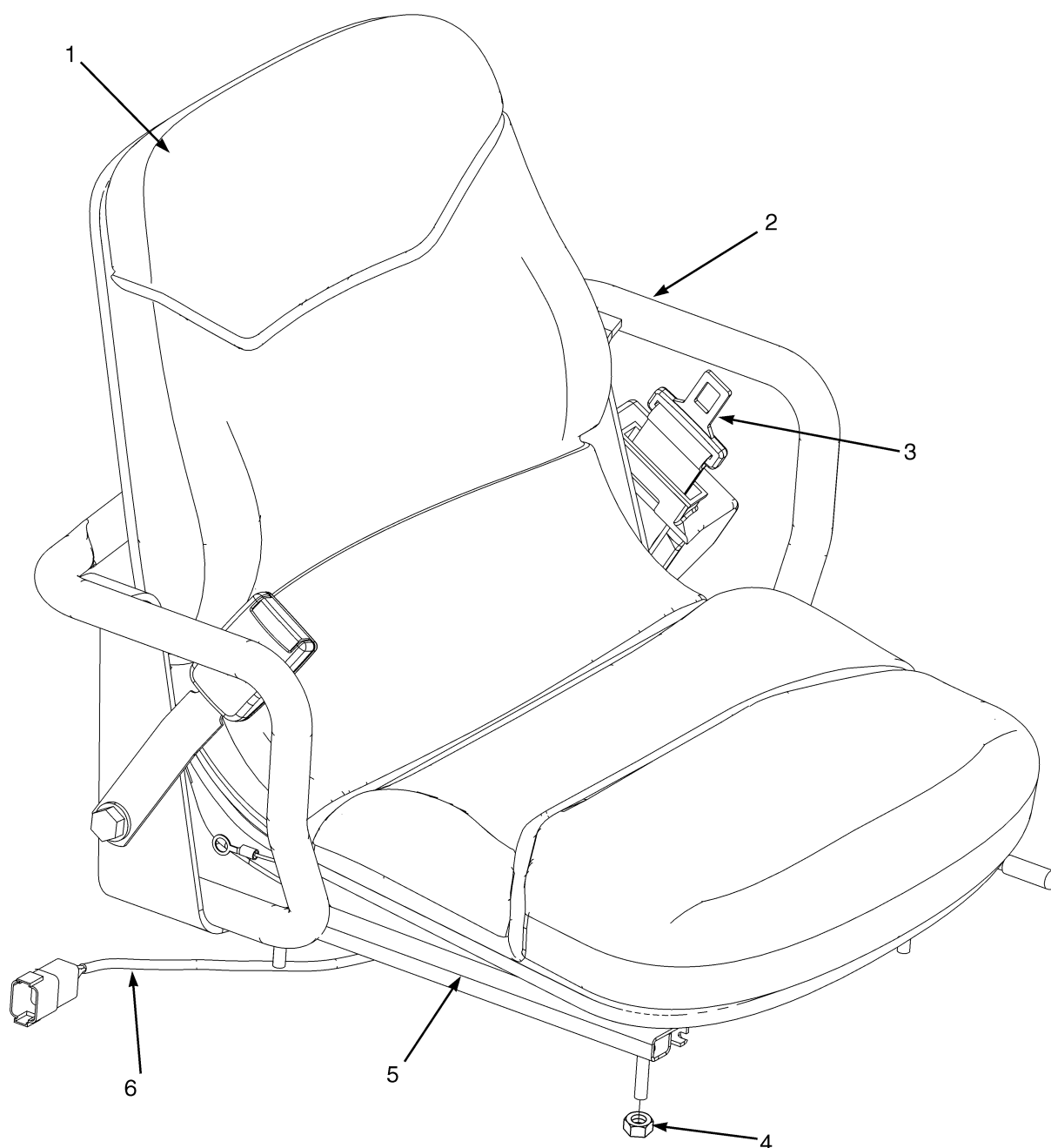
BP120265

**SOUND ABATEMENT
WITH CAB**

ITEM	PART NO.	DESCRIPTION	QTY
1	1616485	Sound Liner	1
2	2076134	Seal	1
3	2065797	Seal	1
4	2065827	Seal (with E-Hydraulics)	1
4	2065798	Seal (with Manual Hydraulics)	1
5	2065826	Seal (with E-Hydraulics)	1
5	2065799	Seal (with Manual Hydraulics)	1
6	2069464	Seal	1
7	1616482	Sound Liner	1
8	1616484	Sound Liner	1
9	1617081	Sound Liner	1
10	1603895	Damping Sheet (Front RH)	1
11	1597058	Damping Sheet	1
12	1596624	Seal	1
13	1616593	Sound Liner (RH)	1
14	b 1616594	Sound Liner (RH)	1
14	c 1616598	Sound Liner (RH)	1
15	c 1616597	Sound Liner (RH)	1
15	b 1616595	Sound Liner (RH)	1
16	c 1616599	Sound Liner (LH)	1
16	b 1616592	Sound Liner (LH)	1
17	ac 1616596	Sound Liner (LH)	1
17	ab 1616591	Sound Liner (LH)	1
18	1616590	Sound Liner (LH)	1
19	1596625	Seal (LH)	1
20	1597052	Damping Sheet	1
21	1603894	Damping Sheet (Front LH)	1
22	1637236	Sound Liner	1
23	1617082	Sound Liner (RH)	1
24	1616483	Sound Liner	1
25	1617193	Sound Liner	1

FOOTNOTES:

- a** Diesel and LPG
b H100-120FT
c H80-90FT

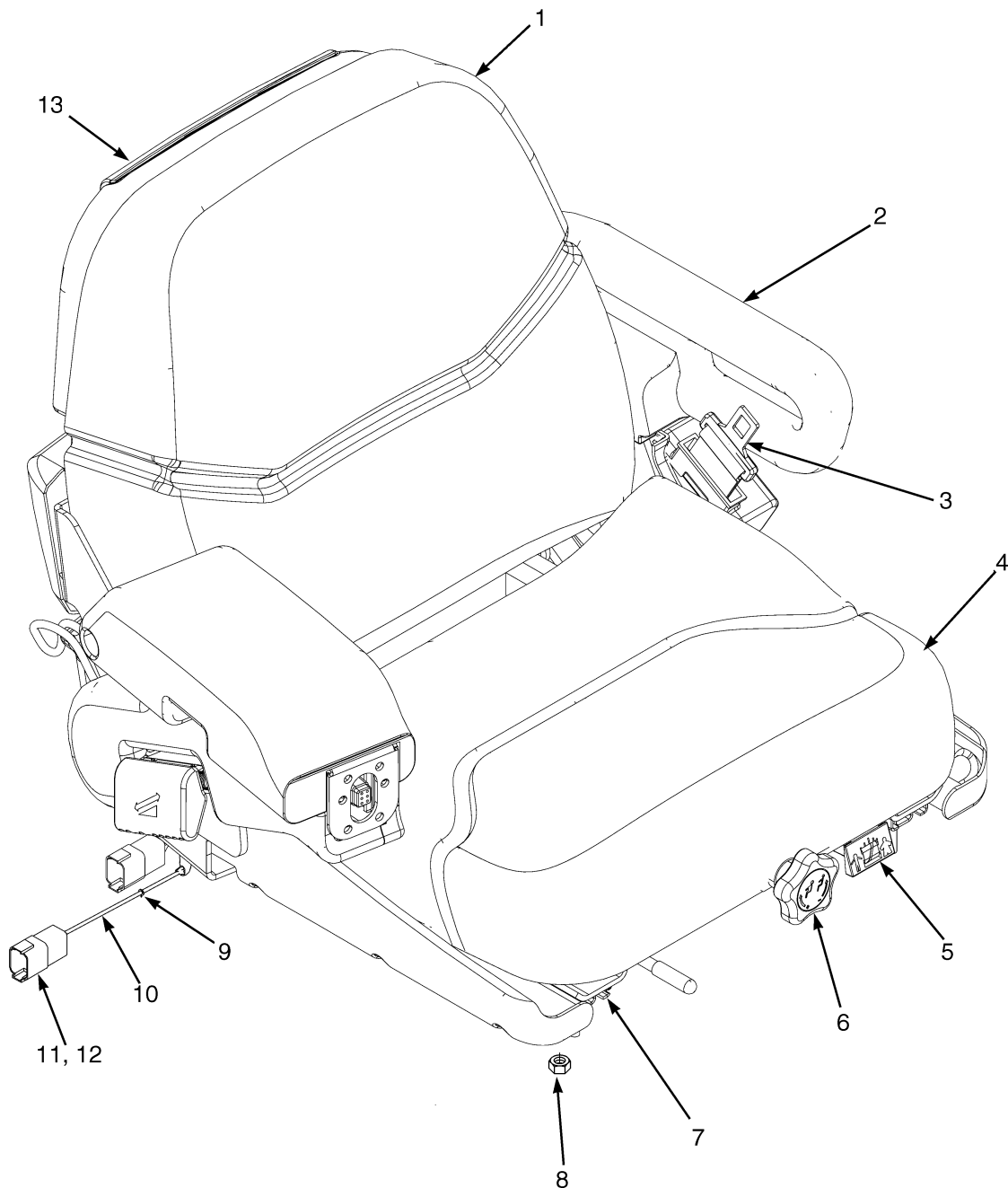
NON SUSPENSION SEAT (Figure 1-22)

BP120126

NON SUSPENSION SEAT

ITEM	PART NO.	DESCRIPTION	QTY
	1593433	Seat Assembly (Vinyl).....	1
	1593434	Seat Assembly (Cloth).....	1
1	1563351	Both Cushions (Vinyl) (Vinyl).....	1
1	1563222	Both Cushions (Cloth) (Cloth)	1
1	1563215	Sensor (Operator Presence) (Not Illustrated).....	1
2	1563217	Hip Restraint (RH)	1
2	1563216	Hip Restraint (LH).....	1
3	1598504	Seat Belt Kit.....	1
4	191941	Nut.....	4
5	1459173	Slide Kit	1
6	1591652	Harness Kit.....	1

SEMI SUSPENSION SEAT (Figure 1-23) WITH AND WITHOUT ELECTRONIC CONTROLS



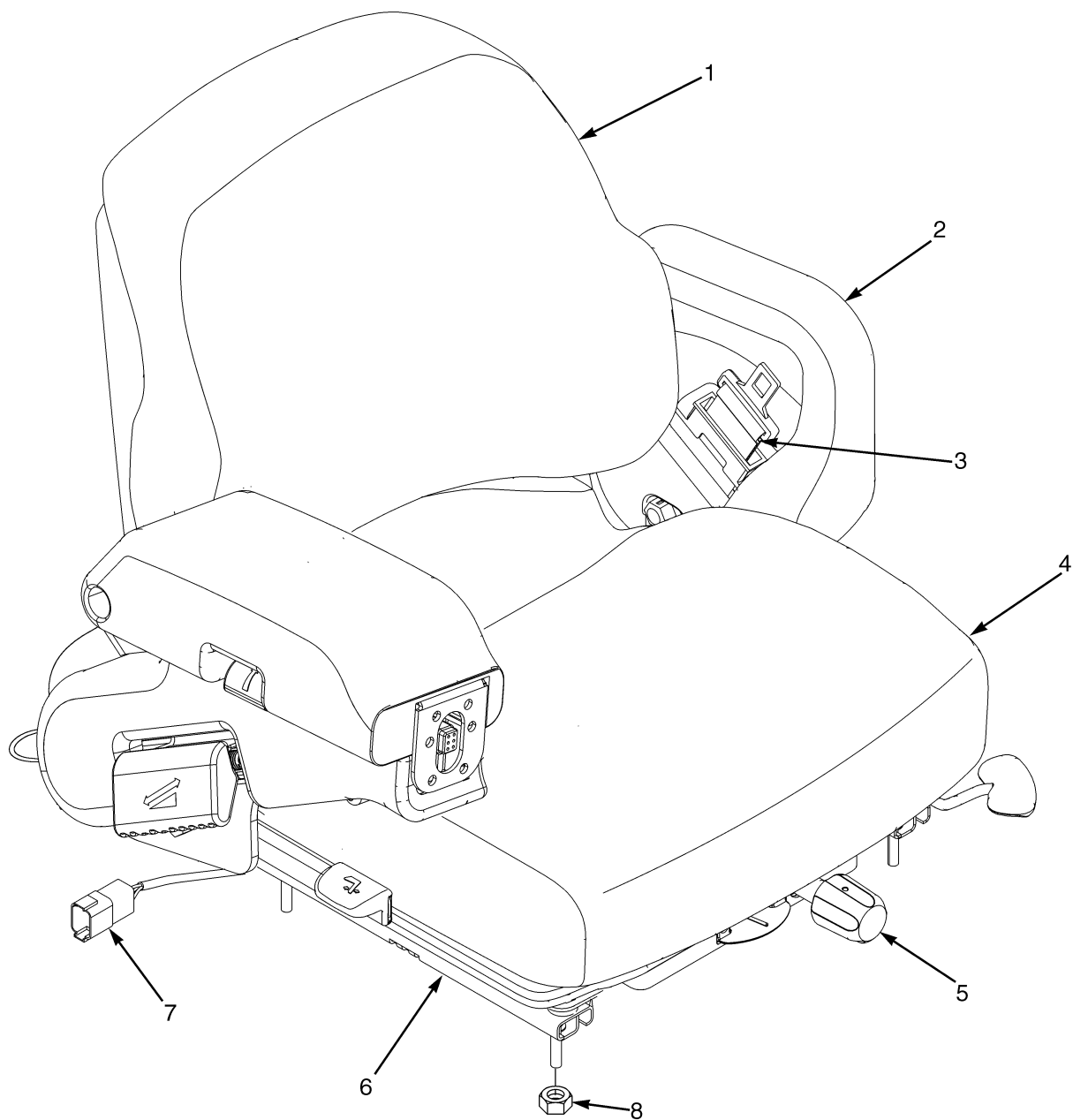
BP120216

SEMI SUSPENSION SEAT WITH AND WITHOUT ELECTRONIC CONTROLS

KEY:**A: With Hip Restraints****B: With Electronic Control Arm**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	1593435	Seat Assembly (Vinyl).....	1	..
	1593436	Seat Assembly (Cloth).....	1	..
	2085193	Seat Assembly (Vinyl).....	..	1
	2085194	Seat Assembly (Cloth).....	..	1
1	1382111	Back Cushion (Vinyl).....	1	..
1	1382113	Back Cushion (Cloth).....	1	..
2	1563224	Hip Restraint (LH).....	1	..
2	1563225	Hip Restraint (RH).....	1	..
3	1598504	Seat Belt Kit.....	1	..
4	1382112	Seat Cushion (Vinyl).....	1	..
4	1382114	Seat Cushion (Cloth).....	1	..
5	1483023	Weight Adjuster Guide.....	1	..
6	1563227	Weight Adjust Knob.....	1	..
7	1459173	Slide Kit.....	1	..
8	191941	Nut.....	4	4
9	1500901	Clip.....	1	..
10	1591652	Harness Kit.....	1	..
11	1537551	Clip Nut.....	1	..
12	296149	Capscrew.....	1	..
13	1362058	Manual Holder Kit.....	1	..
	a 1362049	Shock Absorber Kit.....	1	..
	a 1563215	Sensor (Operator Presence).....	1	..

FOOTNOTES:**a** Not Illustrated

**FULL SUSPENSION SEAT (Figure 1-24)
WITH AND WITHOUT ELECTRONIC CONTROLS**

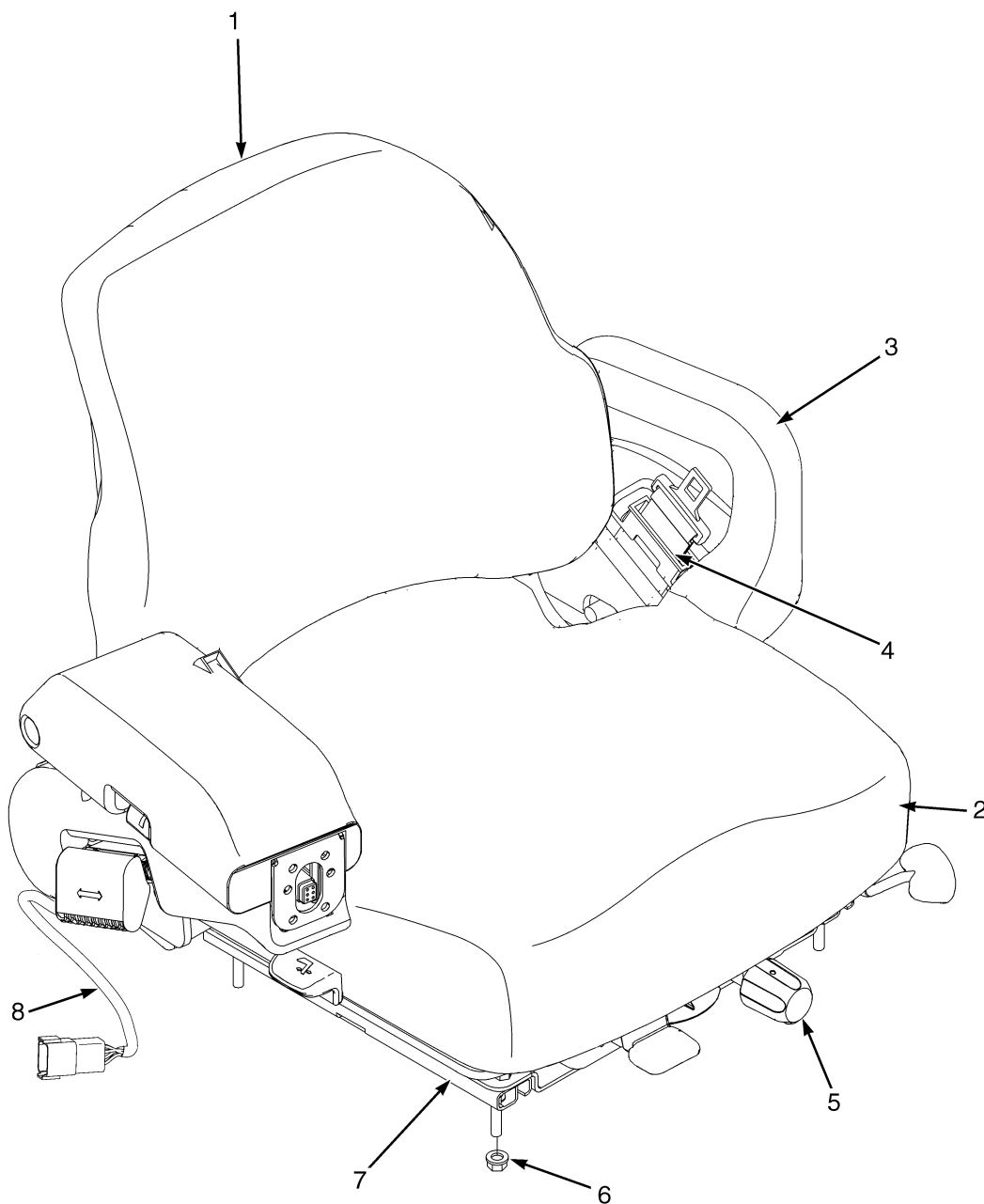
BP120127

FULL SUSPENSION SEAT WITH AND WITHOUT ELECTRONIC CONTROLS

KEY:**A: Full Suspension (Vinyl)****B: Full Suspension (Cloth)****C: Full Suspension (Vinyl with Electronic Control Arm)****D: Full Suspension (Cloth with Electronic Control Arm)**

ITEM	PART NO.	DESCRIPTION	QTY			
			A	B	C	D
	1593425	Full Suspension Seat (Vinyl).....	1	..	..	..
	1593426	Full Suspension Seat (Cloth).....	..	1	..	..
	2084981	Full Suspension Seat (Vinyl).....	..	..	1	..
	2084982	Full Suspension Seat (Cloth).....	..	..	..	1
1	1470152	Back Cushion (Vinyl) (Vinyl).....	1	..	1	..
1	1470153	Back Cushion (Cloth) (Cloth).....	..	1	..	1
2	1470157	Hip Restraint Kit (LH)	1	1	1	1
2	1470156	Hip Restraint Kit (RH)	1	1	..	..
3	1598504	Seat Belt Kit.....	1	1	1	1
4	1563207	Seat Cushion (Vinyl).....	1	..	1	..
4	1566453	Seat Cushion (Cloth).....	..	1	..	1
4	a 1563208	Sensor (Operator Presence)	1	1	1	1
5	1470163	Weight Adjuster Kit.....	1	1	..	..
5	1584631	Weight Adjust Knob.....	..	..	1	1
6	1470161	Slide Kit	1	1	1	1
7	1591652	Harness Kit.....	1	1	..	..
7	1591651	Harness Kit.....	..	..	1	1
8	191941	Nut	4	4	4	4
	a 1500901	Clip	..	..	1	1
	a 1500912	Clip	..	..	1	1
	a 1537551	Clip Nut.....	..	..	1	1
	a 296149	Capscrew.....	..	..	1	1
	a 1483828	Shock Kit.....	1	1	..	..
	a 1647611	Gas Spring Kit	..	..	1	1
	a 1563210	Foam Cap (Electronic Control Arm).....	..	..	1	1
	a 1563211	Knobs (Electronic Control Arm)	..	..	1	1
	a 1470155	Manual Holder Kit	1	1	1	1

FOOTNOTES:**a** Not Illustrated

**FULL SUSPENSION SWIVEL SEAT (Figure 1-25)
WITH AND WITHOUT ELECTRONIC CONTROLS**

BP120117

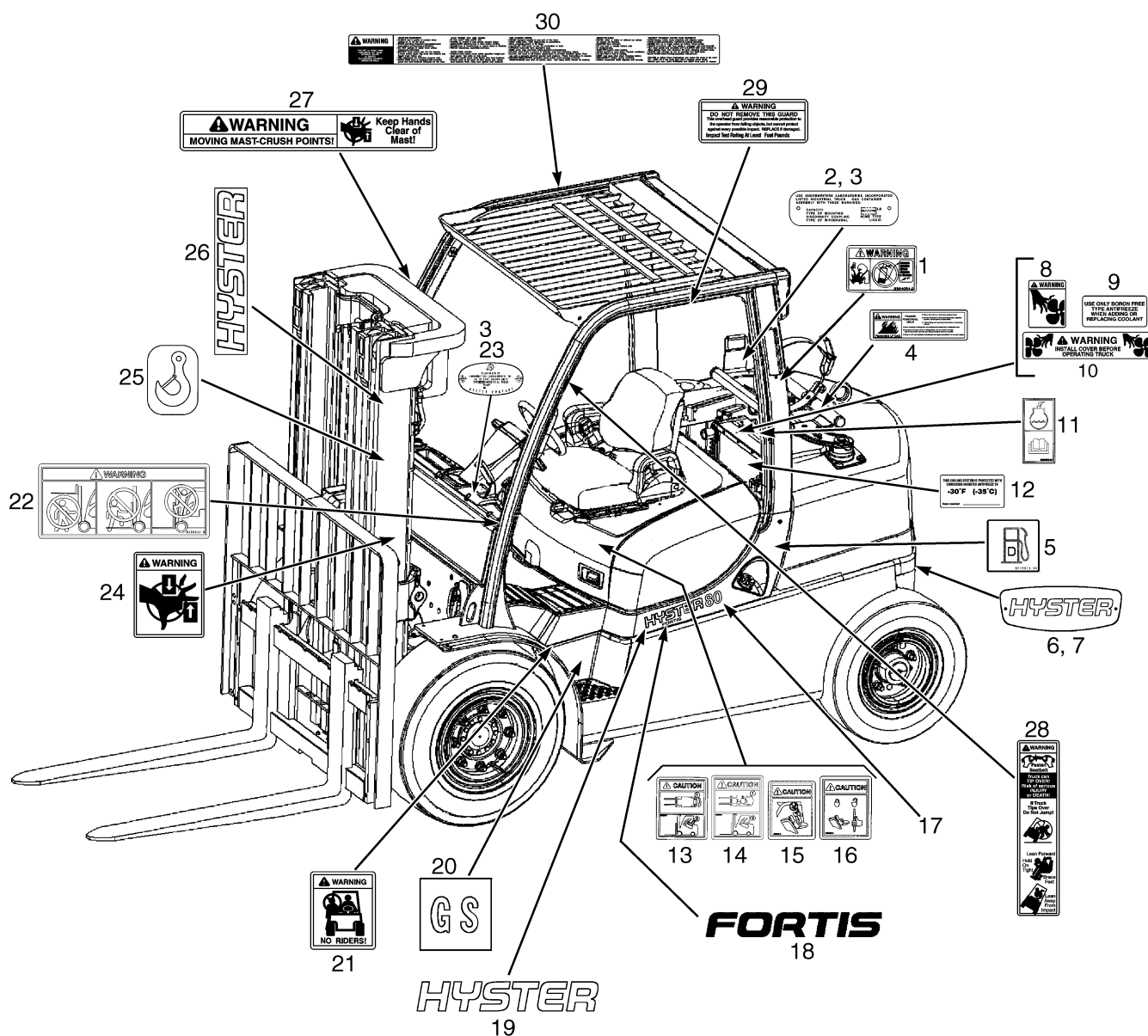
FULL SUSPENSION SWIVEL SEAT WITH AND WITHOUT ELECTRONIC CONTROLS

KEY:**A: With Hip Restraints****B: With Electronic Controls**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	1593437	Seat Assembly (Vinyl).....	1	..
	1593438	Seat Assembly (Cloth).....	1	..
	2085188	Seat Assembly (Vinyl).....	..	1
	2085190	Seat Assembly (Fabric)	..	1
1	1470152	Back Cushion (Vinyl) (Vinyl).....	1	..
1	1470153	Back Cushion (Cloth) (Cloth).....	1	..
2	1563207	Seat Cushion (Vinyl).....	1	..
2	1566453	Seat Cushion (Cloth).....	1	..
3	1470157	Hip Restraint Kit (LH)	1	..
3	a 1470156	Hip Restraint Kit (RH)	1	..
4	1598504	Seat Belt Kit.....	1	..
5	1470163	Weight Adjuster Kit.....	1	..
6	191941	Nut.....	4	4
7	1470161	Slide Kit	1	..
8	1591652	Harness Kit.....	1	..
8	1654891	Wire Harness	..	1
	a 1500912	Clip	1	1
	a 1537551	Clip Nut.....	1	1
	a 296149	Capscrew	1	1
	a 1563211	Knobs (Electronic Control Arm).....	1	..
	a 1483828	Shock Kit	1	..
	a 1563208	Sensor (Operator Presence) (Operator Presence)	1	..
	a 1546689	Release Lever.....	1	1

FOOTNOTES:**a** Not Illustrated

LABELS (Figure 1-26) EXTERIOR



BP120218

**LABELS
EXTERIOR**

ITEM	PART NO.	DESCRIPTION	QTY
1	b 2034459	Label (Ether Warning).....	1
2	1501259	Nameplate (LP Tank).....	1
3	170658	Rivet.....	6
4	1354171	Label (Flammable LPG).....	1
5	2074255	Label (Unleaded Fuel Only).....	1
5	2074256	Label (Diesel Fuel Only).....	1
6	1583609	Plate (Hyster Logo).....	1
7	1566951	Fastener.....	2
8	1325271	Label (Fan Warning).....	1
9	1375676	Label (Boron-Free Anti-Freeze).....	1
10	1345939	Label (Fan Warning).....	2
11	b 2089112	Label (Coolant Fill).....	1
12	1354165	Label (Antifreeze).....	2
13	d 2075615	Label (Hood Opening).....	1
14	c 2076169	Label (Swivel Seat).....	1
15	2075418	Label (Locking Gas Spring).....	1
16	2074741	Label (Joystick Warning).....	1
17	1594804	Label (Model 80).....	2
17	1628689	Label (Model 90).....	2
17	1594805	Label (Model 100).....	2
17	1628691	Label (Model 110).....	2
17	1594806	Label (Model 120).....	2
18	1586439	Label (Fortis).....	2
19	1586440	Label (Hyster).....	2
20	154065	Label (Type GS).....	2
20	154066	Label (Type LPS).....	2
20	154067	Label (Type DS).....	2
21	1330920	Label (No Riders).....	2
22	2075656	Label (Mast Warning).....	2
23	a	Inspection Plate.....	1
24	1335129	Label (Pinch Point).....	2
25	316448	Label (Lifting Eye).....	3
26	1562353	Label (Hyster).....	2
27	1330919	Label (Mast Warning).....	1
28	1330917	Label (Operator Restraint).....	2
29	a	Label (Impact Rating).....	1
30	2073197	Label (Operator Warning).....	1

FOOTNOTES:

- a** Contact Your Local Hyster Dealer
- b** Diesel Only
- c** For Vehicles With Swivel Seat Only
- d** LPG Only

12



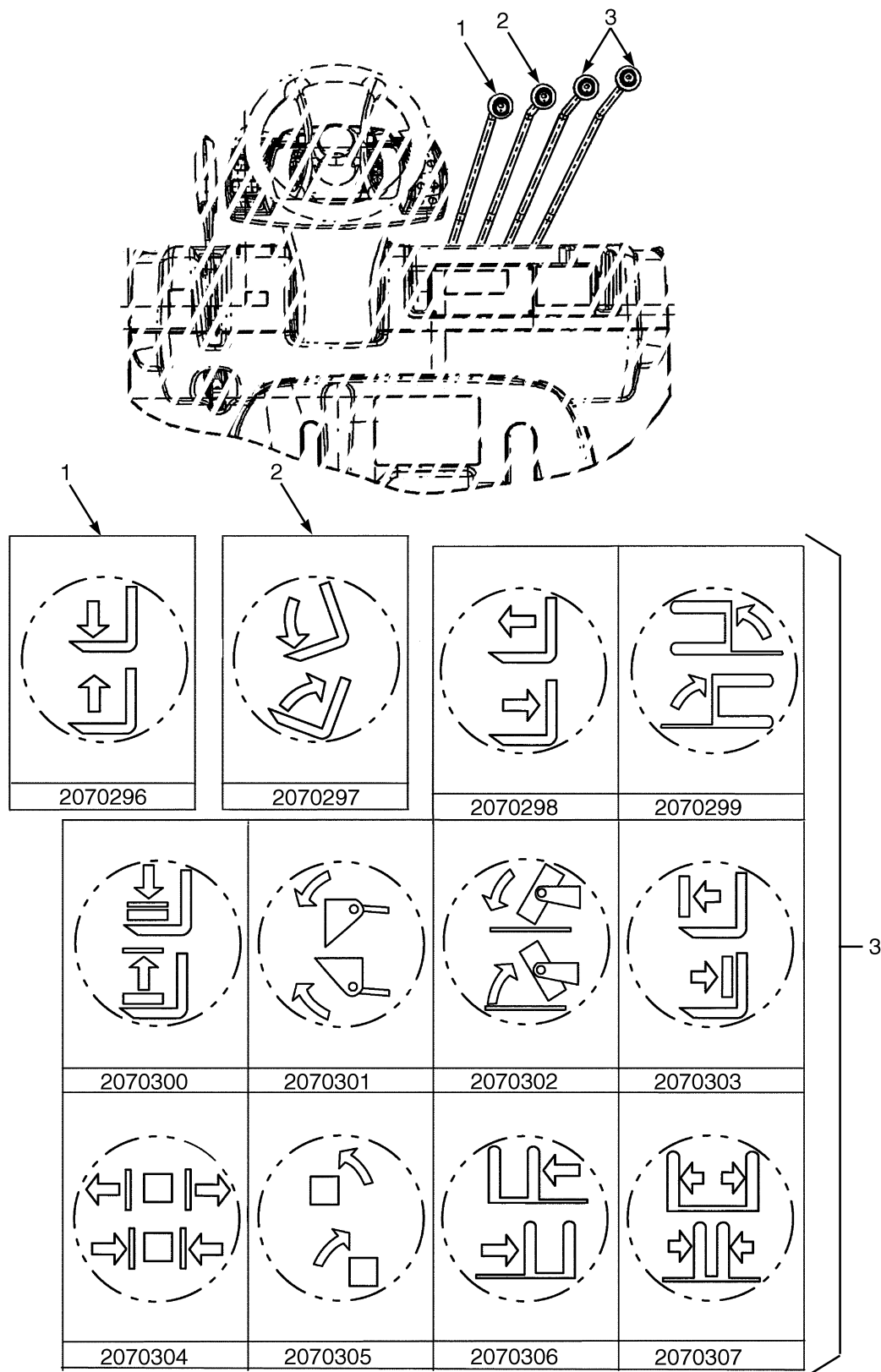
**LABELS
INTERIOR**

ITEM	PART NO.	DESCRIPTION	QTY
1	a	Nameplate	1
1	170658	Rivet.....	4
2	389688	Cover	1
3	1385102	Label (Drive Train Protection)	1
4	1589377	Label (Basic Powershift Transmission)	1
5	b 1589397	Label (DuraMatch Transmission)	1
6	b 1627200	Label (Duramatch 2 Transmission)	1
7	b 1589437	Label (DuraMatch Plus2 Transmission)	1
8	1335137	Nameplate Tag	1
9	1534660	Label (Patents and Trademarks).....	1
10	1374549	Label (Radial Tire Warning).....	1
11	2074209	Label (Parking Brake Warning).....	1
12	1324480	Label (Battery Switch)	1

FOOTNOTES:

- a** Contact Your Local Hyster Dealer
b Electronic Transmission

CONTROL LEVER LABELS (Figure 1-28) MANUAL HYDRAULICS



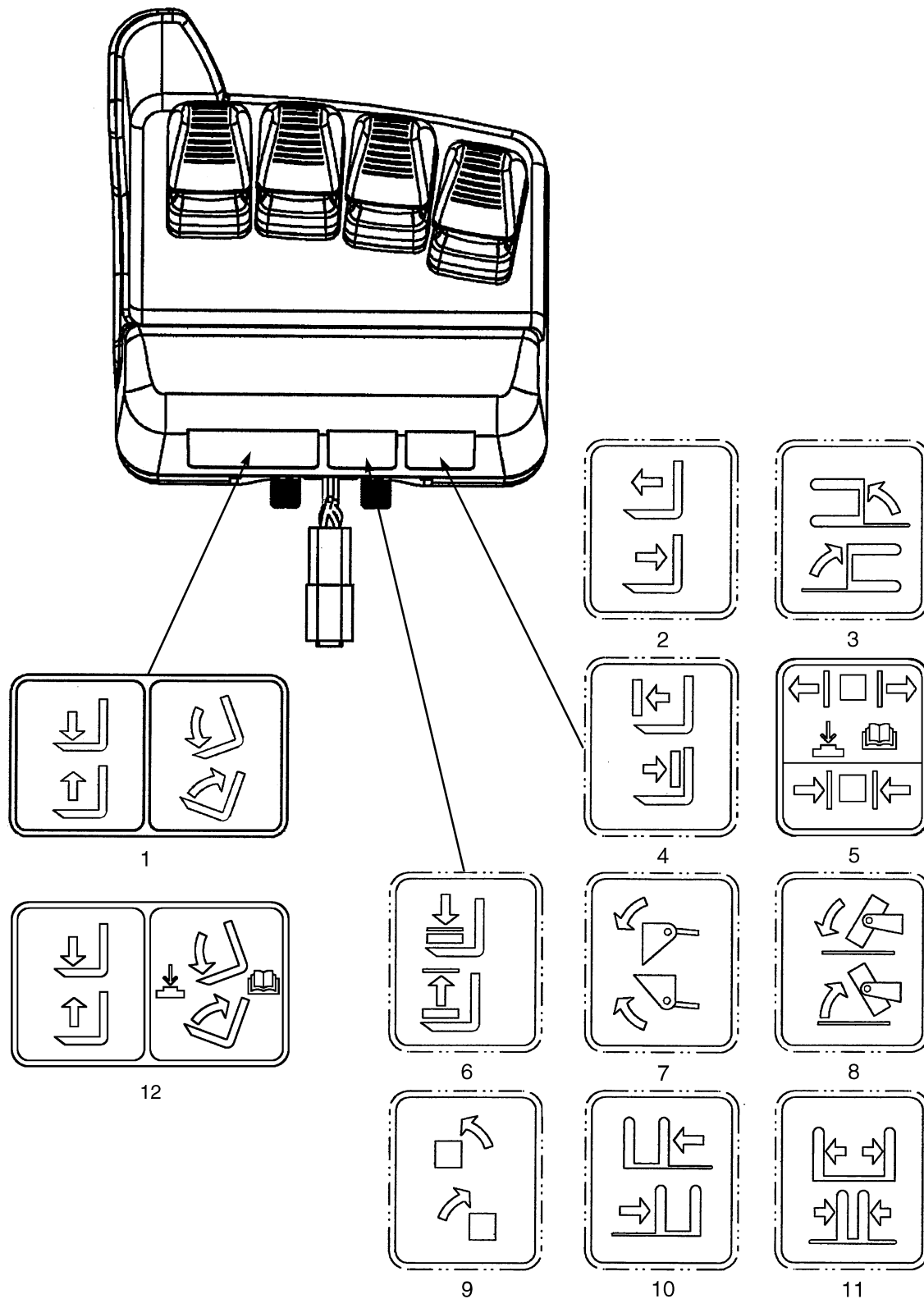
HP120829

**CONTROL LEVER LABELS
MANUAL HYDRAULICS**

ITEM	PART NO.	DESCRIPTION	QTY
1	2070296	Lens (Lift).....	1
2	2070297	Lens (Tilt).....	1
3	2070298	Lens (Reach)	1
3	2070299	Lens (Swing).....	1
3	2070300	Lens (Load Stabilizer).....	1
3	2070301	Lens (Scoop)	1
3	2070302	Lens (Upender).....	1
3	2070303	Lens (Push/Pull)	1
3	2070304	Lens (Clamp)	1
3	2070305	Lens (Rotate).....	1
3	2070306	Lens (Side-Shift).....	1
3	2070307	Lens (Fork Spread).....	1
3	a 2070655	Lens (Blank)	1

FOOTNOTES:**a** Not Illustrated

ELECTRONIC LEVER LABELS (Figure 1-29) MINI LEVERS

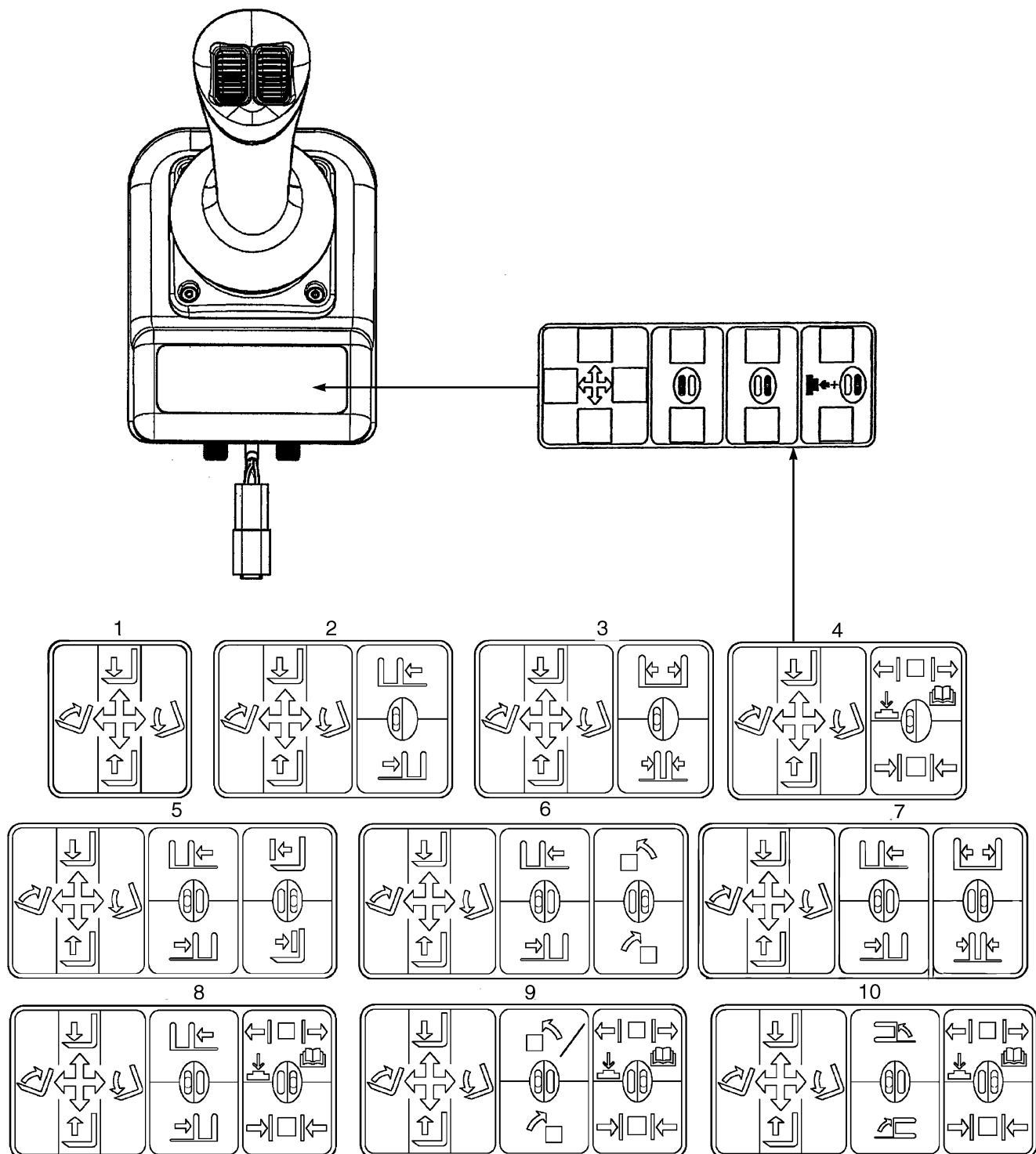


BP120199

**ELECTRONIC LEVER LABELS
MINI LEVERS**

ITEM	PART NO.	DESCRIPTION	QTY
1	1581055	Label (Hoist and Tilt)	1
2	2073115	Label (Reach)	1
3	2073114	Label (Swing).....	1
4	2073118	Label (Push/Pull)	1
5	2085877	Label (Clamp)	1
6	2073116	Label (Load Stabilizer).....	1
7	2073117	Label (Scoop)	1
8	2073119	Label (Uppender).....	1
9	2073121	Label (Rotate).....	1
10	2073122	Label (Side-Shift)	1
11	2073123	Label (Fork Spread).....	1
12	2085875	Label (Hoist and Tilt with Return to Set Tilt)	1

JOYSTICK CONTROL LABELS (Figure 1-30)

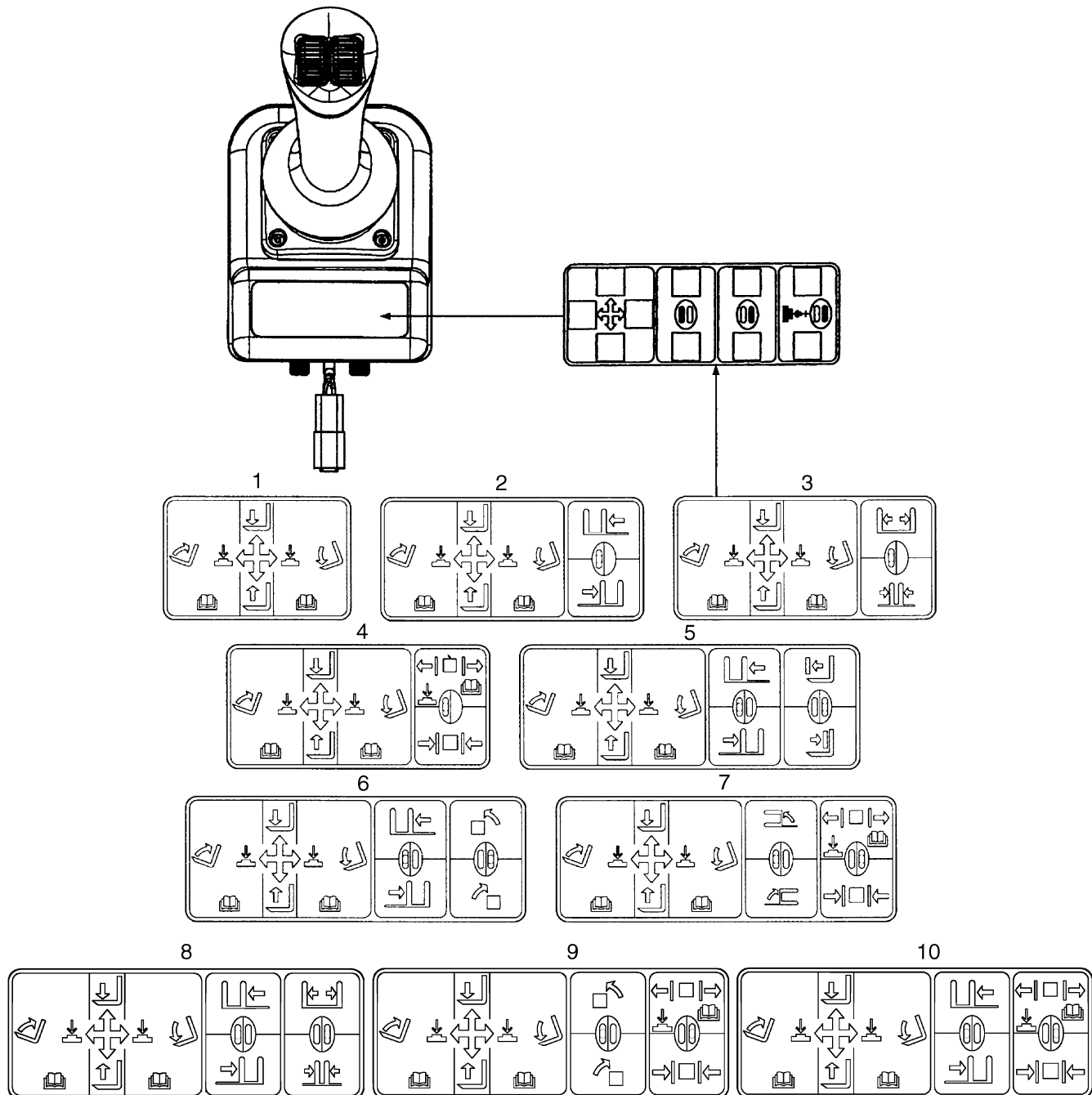


BP120197

JOYSTICK CONTROL LABELS

ITEM	PART NO.	DESCRIPTION	QTY
1	2086556	Label (Hoist and Tilt)	1
2	2086557	Label (Hoist and Tilt, Side-Shift).....	1
3	2086558	Label (Hoist and Tilt, Fork Spread).....	1
4	2085878	Label (Hoist and Tilt, Clamp)	1
5	2086560	Label (Hoist and Tilt, Side-Shift, Push/Pull).....	1
6	2086561	Label (Hoist and Tilt, Side-Shift, Rotate)	1
7	2086559	Label (Hoist and Tilt, Side-Shift, Fork Spread)	1
8	2085879	Label (Hoist and Tilt, Side-Shift, Clamp)	1
9	2085880	Label (Hoist and Tilt, Rotate, Clamp).....	1
10	2085881	Label (Hoist and Tilt, Swing, Clamp)	1

JOYSTICK CONTROL LABELS (Figure 1-31) WITH RETURN TO SET TILT

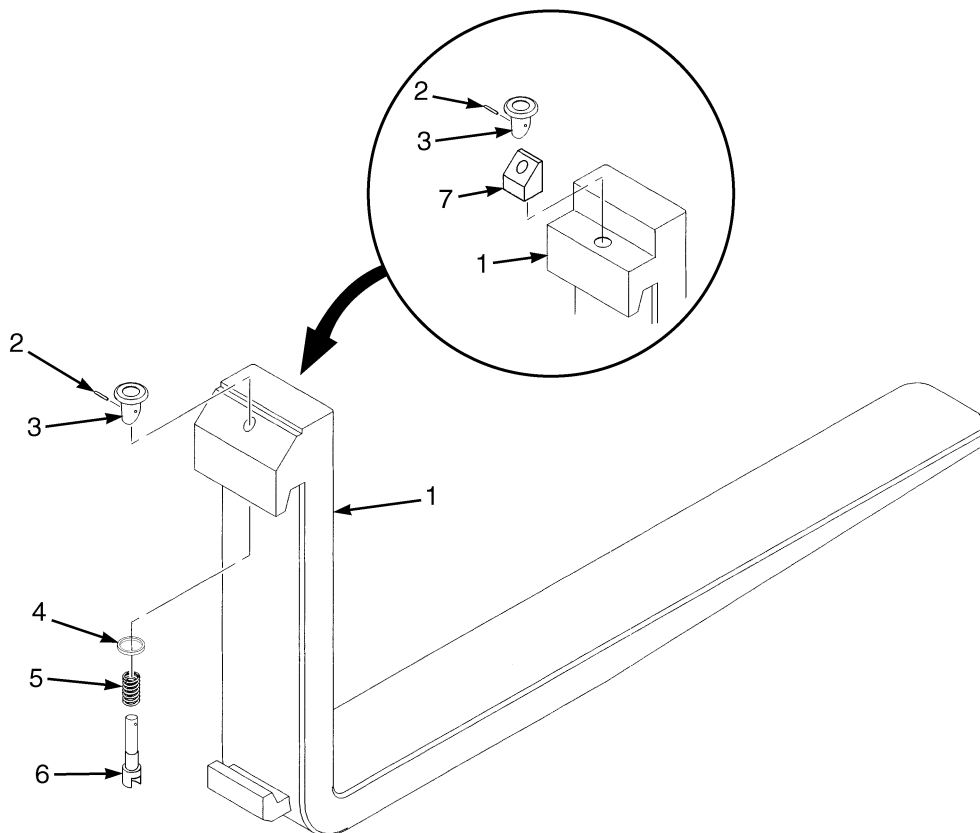


BP120198

**JOYSTICK CONTROL LABELS
WITH RETURN TO SET TILT**

ITEM	PART NO.	DESCRIPTION	QTY
1	2085882	Label (Hoist and Tilt)	1
2	2085885	Label (Hoist and Tilt, Side-Shift)	1
3	2085886	Label (Hoist and Tilt, Fork Spread)	1
4	2085889	Label (Hoist and Tilt, Clamp)	1
5	2085888	Label (Hoist and Tilt, Side-Shift, Push/Pull)	1
6	2085891	Label (Hoist and Tilt, Side-Shift, Rotate)	1
7	2085893	Label (Hoist and Tilt, Swing, Clamp)	1
8	2085887	Label (Hoist and Tilt, Side-Shift, Fork Spread)	1
9	2085892	Label (Hoist and Tilt, Rotate, Clamp)	1
10	2085890	Label (Hoist and Tilt, Side-Shift, Clamp)	1

FORKS (Figure 1-32) STANDARD TAPER CLASS III



BP000188

KEY:

A: 125 mm x 50 mm (5 in. x 2 in.)

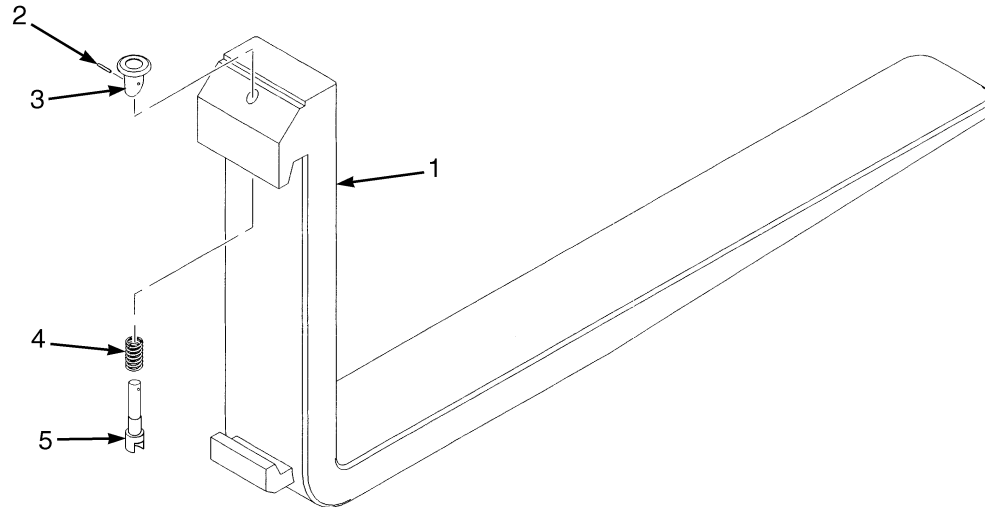
B: 150 mm x 50 mm (6 in. x 2 in.)

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	367420	Fork (42 in.)	2	..
1	367421	Fork (48 in.)	2	..
1	367422	Fork (54 in.)	2	..
1	367423	Fork (60 in.)	2	..
1	1399913	Fork (42 in.)	2	..
1	1399914	Fork (48 in.)	..	2
1	1399915	Fork (54 in.)	..	2
1	1399916	Fork (60 in.)	..	2
1	1399917	Fork (72 in.)	..	2
2	1523734	Retainer Pin	1	1
3	1523732	Knob	1	1
4	1477166	Washer	1	1
5	1500784	Spring	1	1
6	1523737	Pin	1	1
7	1477237	Wedge	1	1
	1523739	Latch Kit (Class III) (Includes Items 2-7)	1	1

FORKS (Figure 1-33)

STANDARD TAPER

CLASS IV

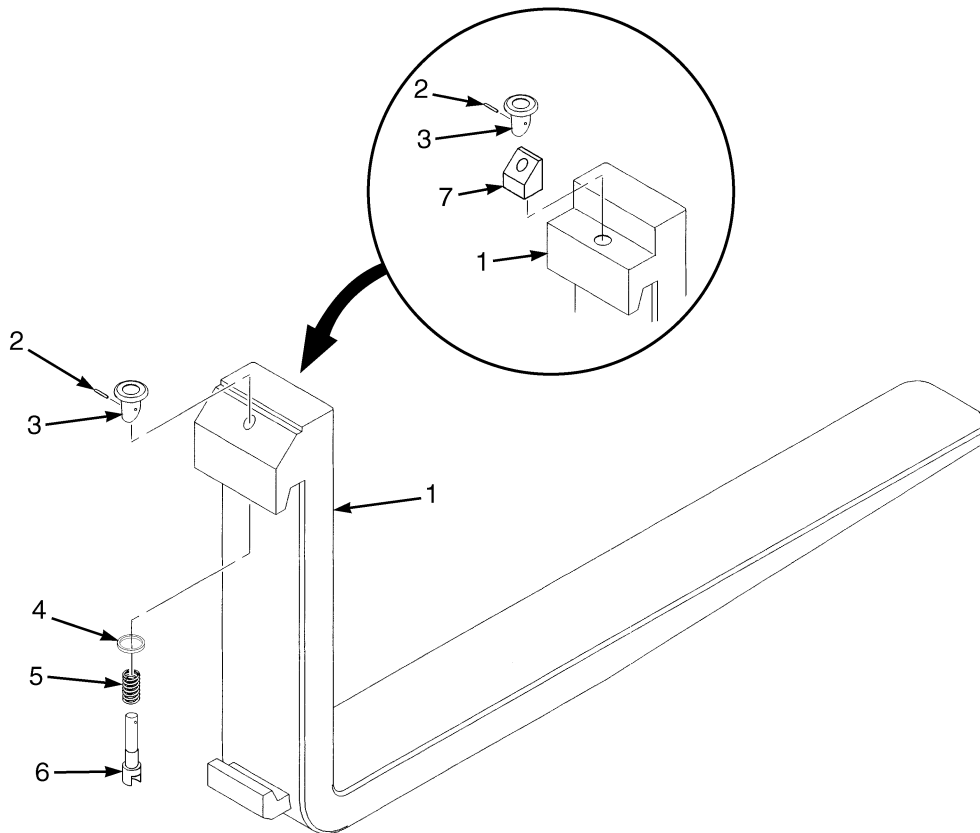


BP000187

KEY:**A:** 150 mm x 50 mm (6.in. x2 in.)**B:** 150 mm x 60 mm (6 in. x 2.4 in.)

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1399919	Fork (42 in.)	2	..
1	1399920	Fork (48 in.)	2	..
1	1399921	Fork (54 in.)	2	..
1	1399922	Fork (60 in.)	2	..
1	1458264	Fork (42 in.)	..	2
1	1333001	Fork (48 in.)	..	2
1	1333002	Fork (54 in.)	..	2
1	1333003	Fork (60 in.)	..	2
1	1333004	Fork (72 in.)	..	2
2	1523734	Retainer Pin	1	1
3	1523732	Knob	1	1
4	1500786	Spring	1	1
5	1523741	Pin	1	1
	1523742	Latch Kit (Class IV) (Includes Items 2-5)	2	2

FORKS (Figure 1-34) **POLISHED FORK WITH FULL BOTTOM TAPER** **CLASS III AND IV**



BP000188

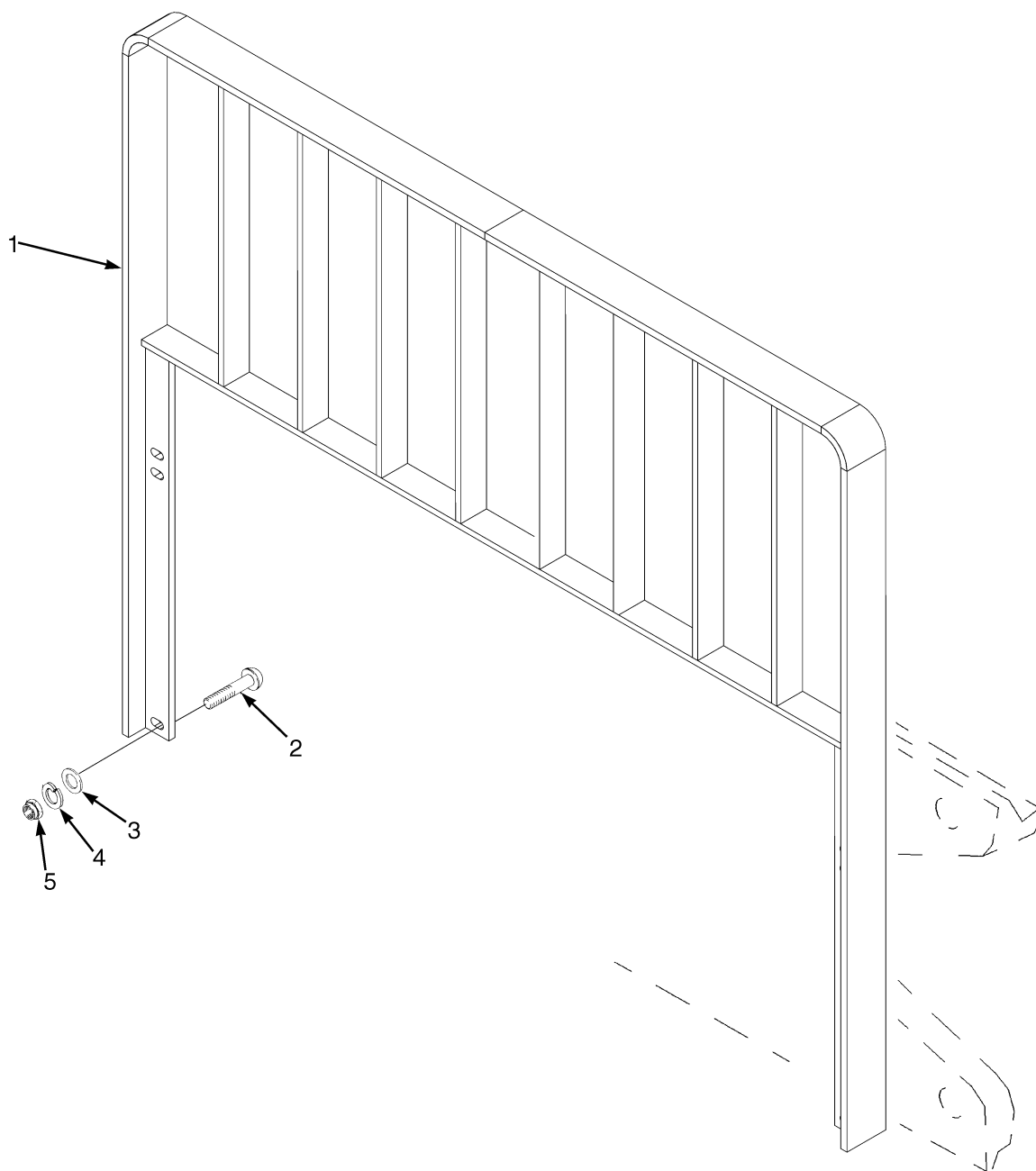
KEY:
A: 200 mm x 40 mm, Class III (8 in. x 1.6 in)

B: 250 mm x 40 mm, Class IV (10 in. x 1.6 in.)

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1465545	Fork (47.5 in.)	2	..
1	1465547	Fork (47.5 in.)	..	2
1	1465546	Fork (54 in.)	2	..
1	1465548	Fork (54 in.)	..	2
2	1523734	Retainer Pin	1	1
3	1523732	Knob	1	1
4	1477166	Washer	1	..
5	1500784	Spring	1	..
5	1500786	Spring	..	1
6	1523737	Pin	1	..
6	1523741	Pin	..	1
7	1477237	Wedge	1	..
	1523739	Latch Kit (Class III) (Includes Items 2-7)	1	..
	1523742	Latch Kit (Class IV) (Includes Items 2-3, 5-6)	..	1

[illegible]

LOAD BACK REST EXTENSION (Figure 1-35)



BP120217

LOAD BACK REST EXTENSION**KEY:****A: Polished Forks with Full Bottom Taper****B: Standard Taper**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	b 1387341	Load Backrest Extension (48 in.) (Class III)	..	1
1	b 1387342	Load Backrest Extension (48 in.) (Class III)	1	..
1	b 1387343	Load Backrest Extension (54 in.) (Class III)	..	1
1	b 1387345	Load Backrest Extension (60 in.) (Class III)	..	1
1	b 1387346	Load Backrest Extension (60 in.) (Class III)	1	..
1	a 1387904	Load Backrest Extension (54 in.) (Class IV)	..	1
1	a 1464864	Load Backrest Extension (54 in.) (Class IV)	1	..
1	a 1387349	Load Backrest Extension (60 in.) (Class IV)	..	1
1	a 1464865	Load Backrest Extension (60 in.) (Class IV)	1	..
2	1354923	Capscrew (Standard Carriage)	4	4
2	1387330	Capscrew (Side-Shift Carriage)	4	4
3	c 221771	Washer	4	4
3	296423	Washer	4	4
4	292683	Lockwasher	4	4
5	292656	Nut	4	4

FOOTNOTES:**a** H100-120FT**b** H80-90FT**c** Optional

[illegible]

2

ENGINE ASSEMBLY

SECTION 2

ENGINE ASSEMBLY

DESCRIPTION	PAGE
AIR HEATER STARTING AID	
CUMMINS 4.5L DIESEL	2-58
ASSEMBLED ENGINE	
GM 4.3L, GASOLINE AND LPG	
SHEET 1 OF 3	2-32
SHEET 2 OF 3	2-36
SHEET 3 OF 3	2-38
CAMSHAFT AND OIL PAN	
GM 4.3L GASOLINE AND LPG	2-48
COIL ASSEMBLY	
GM 4.3L GASOLINE AND LPG	2-51
COOLING	
WITH EXTERNAL OIL COOLER AND ELECTRONIC TRANSMISSION	
OR WITH WET BRAKE	
PENDING PER ECN 10402518⇒	2-28
⇒PENDING PER ECN 10402518	2-24
WITH INTERNAL OIL COOLER	
WITH BASIC TRANSMISSION AND DRY BRAKE	
PENDING PER ECN 10402518⇒	2-20
⇒PENDING PER ECN 10402518	2-16
CYLINDER BLOCK	
GM 4.3L GASOLINE AND LPG	2-46
CYLINDER HEAD	
GM 4.3L GASOLINE AND LPG	2-44
DIESEL ENGINE ASSEMBLY	
CAMSHAFT	
CUMMINS 4.5L	2-67
CRANKCASE BREATHER	
CUMMINS 4.5L	2-74
CRANKSHAFT AND MAIN BEARINGS	
CUMMINS 4.5L	2-86
CYLINDER BLOCK	
CUMMINS 4.5L	2-64
CYLINDER HEAD	
CUMMINS 4.5L	2-82
FAN DRIVE AND MOUNTING	
CUMMINS 4.5L	2-60
FLYWHEEL AND HOUSING ASSEMBLY	
CUMMINS 4.5L	2-78
INTAKE AND EXHAUST MANIFOLDS	
CUMMINS 4.5L	2-80
LUBRICATION SYSTEM	
CUMMINS 4.5L	2-70
OIL PAN	
CUMMINS 4.5L	2-72
OIL PUMP AND FRONT GEAR COVER	
CUMMINS 4.5L	2-68
PISTON AND CONNECTING ROD	
CUMMINS 4.5L	2-90
REAR GEAR HOUSING	

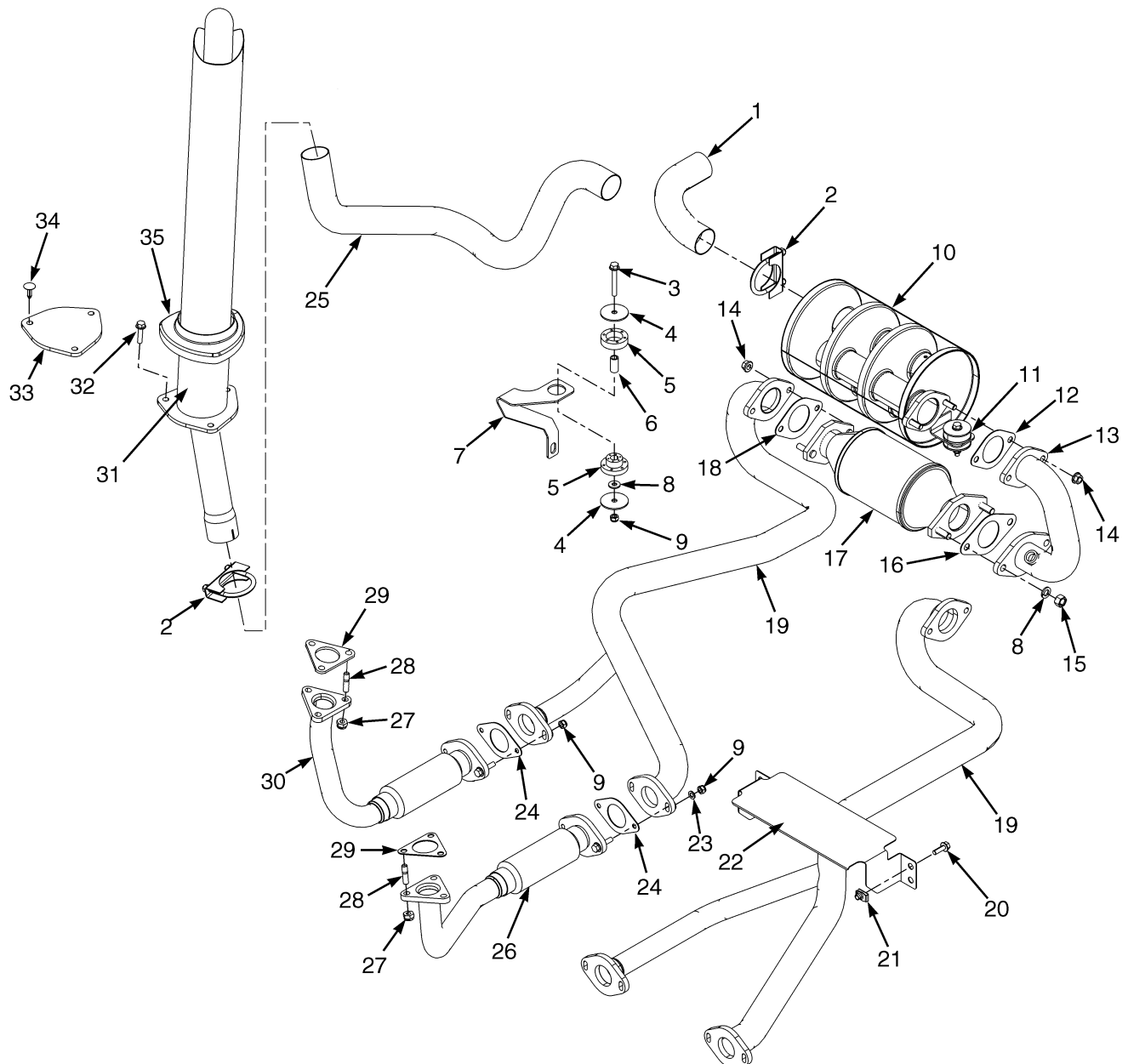
SECTION 2

ENGINE ASSEMBLY (Continued)

DESCRIPTION	PAGE
CUMMINS 4.5L	2-61
REAR GEAR TRAIN ACCESSORY MOUNTING COVER	
CUMMINS 4.5L	2-77
ROCKER LEVERS	
CUMMINS 4.5L	2-84
THERMOSTAT	
CUMMINS 4.5L	2-63
VALVE TAPPETS	
CUMMINS 4.5L	2-66
VIBRATION DAMPER	
CUMMINS 4.5L	2-76
WATER PUMP AND CONNECTIONS	
CUMMINS 4.5L	2-88
ENGINE MOUNTING	
CUMMINS 4.5L DIESEL	2-56
GM 4.3L, GASOLINE AND LPG	2-30
EXHAUST SYSTEM	
CUMMINS 4.5L DIESEL	2-12
GM 4.3L, GASOLINE AND LPG	
WITH CATALYTIC CONVERTER	2-4
WITHOUT CATALYTIC CONVERTER.....	2-8
EXHAUST WRAPS	
CUMMINS 4.5L DIESEL	2-14
GM 4.3L GASOLINE AND LPG	2-10
FAN ASSEMBLY	
CUMMINS 4.5L DIESEL	2-57
FAN MOUNT ASSEMBLY	
GM 4.3L GASOLINE AND LPG	2-40
FLYWHEEL AND HOUSING	
GM 4.3L GASOLINE AND LPG	2-42
OIL PUMP	
GM 4.3L GASOLINE AND LPG	2-52
VALVE COVER AND INLET MANIFOLD	
GM 4.3L GASOLINE AND LPG	2-54

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

EXHAUST SYSTEM (Figure 2-1) GM 4.3L, GASOLINE AND LPG WITH CATALYTIC CONVERTER



BP110039

EXHAUST SYSTEM

GM 4.3L, GASOLINE AND LPG WITH CATALYTIC CONVERTER

KEY:**A: Short Overhead Guard****B: Tall Overhead Guard Or With Cab**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	a 1578926	Tail Pipe	1	1
2	30370	Clamp	2	2
3	1510115	Capscrew.....	2	2
4	1528938	Washer	4	4
5	1528930	Isolator.....	2	2
6	1649471	Spacer	2	2
7	1578873	Bracket.....	1	1
8	292683	Lockwasher.....	2	2
9	1582222	Lock Nut.....	6	6
10	2078353	Muffler (Crimped).....	1	1
10	2072202	Muffler (Welded) (Safety Truck Only)	1	1
11	1532585	Washer	1	1
12	1402189	Gasket	1	1
13	1639679	Exhaust Pipe	1	1
14	1460477	Nut	4	4
15	1469405	Nut	2	2
16	1580028	Gasket	1	1
17	2071327	Catalytic Converter	1	1
17	e 2098586	Catalytic Converter (Gasoline Only)	1	1
18	1580027	Gasket	1	1
19	c 1639681	Exhaust Pipe	1	1
19	b 1639685	Exhaust Pipe	1	1
20	b 1510113	Capscrew.....	4	4
21	b 1480237	Clip Nut	4	4
22	b 1582333	Shield.....	1	1
23	320158	Washer	6	6
24	1566528	Gasket	2	2
25	c 1581072	Exhaust Pipe	1	1
25	b 1581068	Exhaust Pipe	1	1
26	1641405	Exhaust Pipe	1	1
27	1580136	Nut	6	6
28	1580092	Stud	6	6
29	1580029	Gasket	2	2
30	1641404	Exhaust Pipe	1	1
31	d 1650668	Exhaust Pipe	1	..
31	d 1650669	Exhaust Pipe	..	1
32	d 1510117	Capscrew.....	3	3
33	a 1347043	Cover	1	1
34	a 1347045	Fastener.....	3	3
35	d 1351178	Cover	1	1

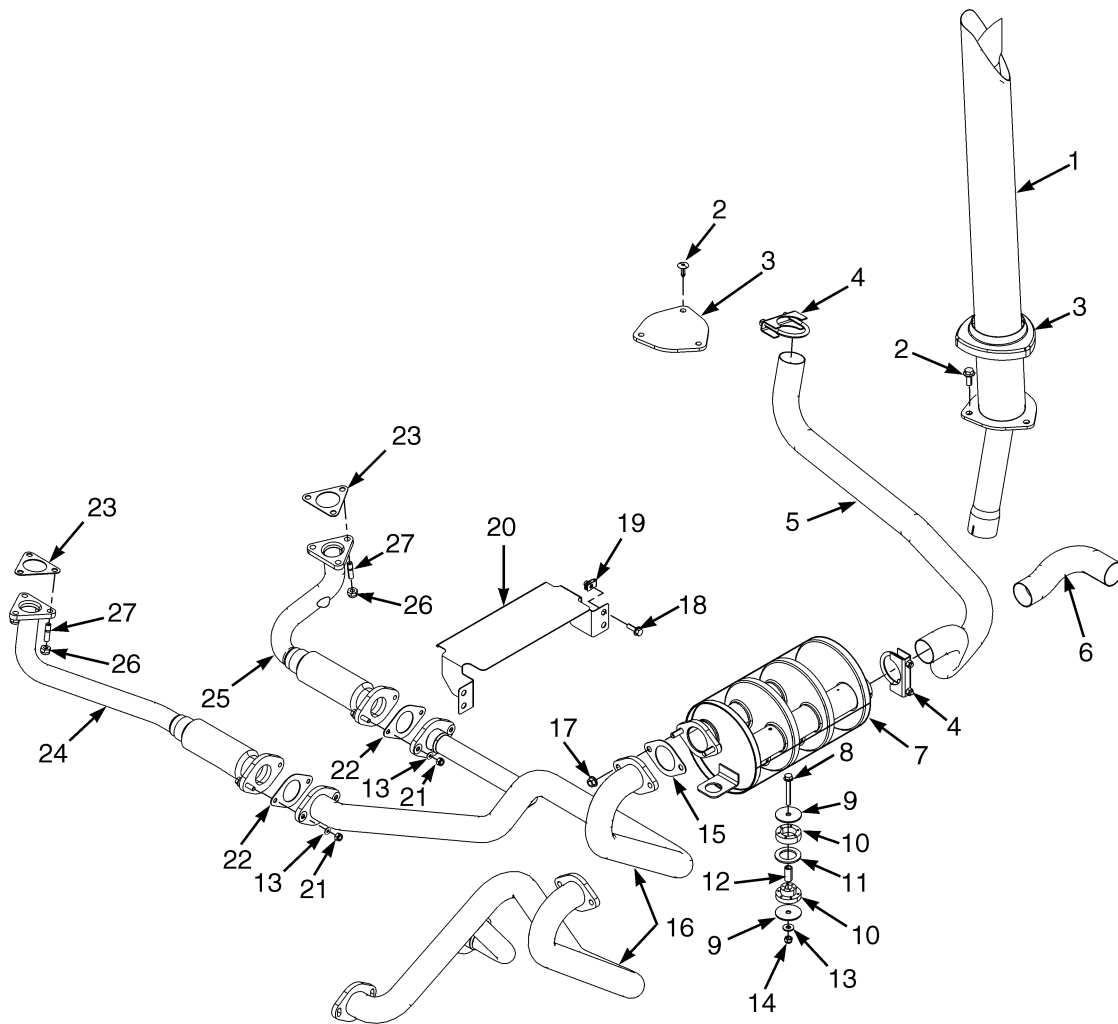
FOOTNOTES:**a** Counterweight Exhaust**b** H100-120FT**c** H80-90FT

**EXHAUST SYSTEM
GM 4.3L, GASOLINE AND LPG
WITH CATALYTIC CONVERTER**

- d** Overhead Exhaust
- e** PENDING PER ECN 104851 ⇒

[illegible]

EXHAUST SYSTEM (Figure 2-2) GM 4.3L, GASOLINE AND LPG WITHOUT CATALYTIC CONVERTER



BP110040

EXHAUST SYSTEM

GM 4.3L, GASOLINE AND LPG

WITHOUT CATALYTIC CONVERTER

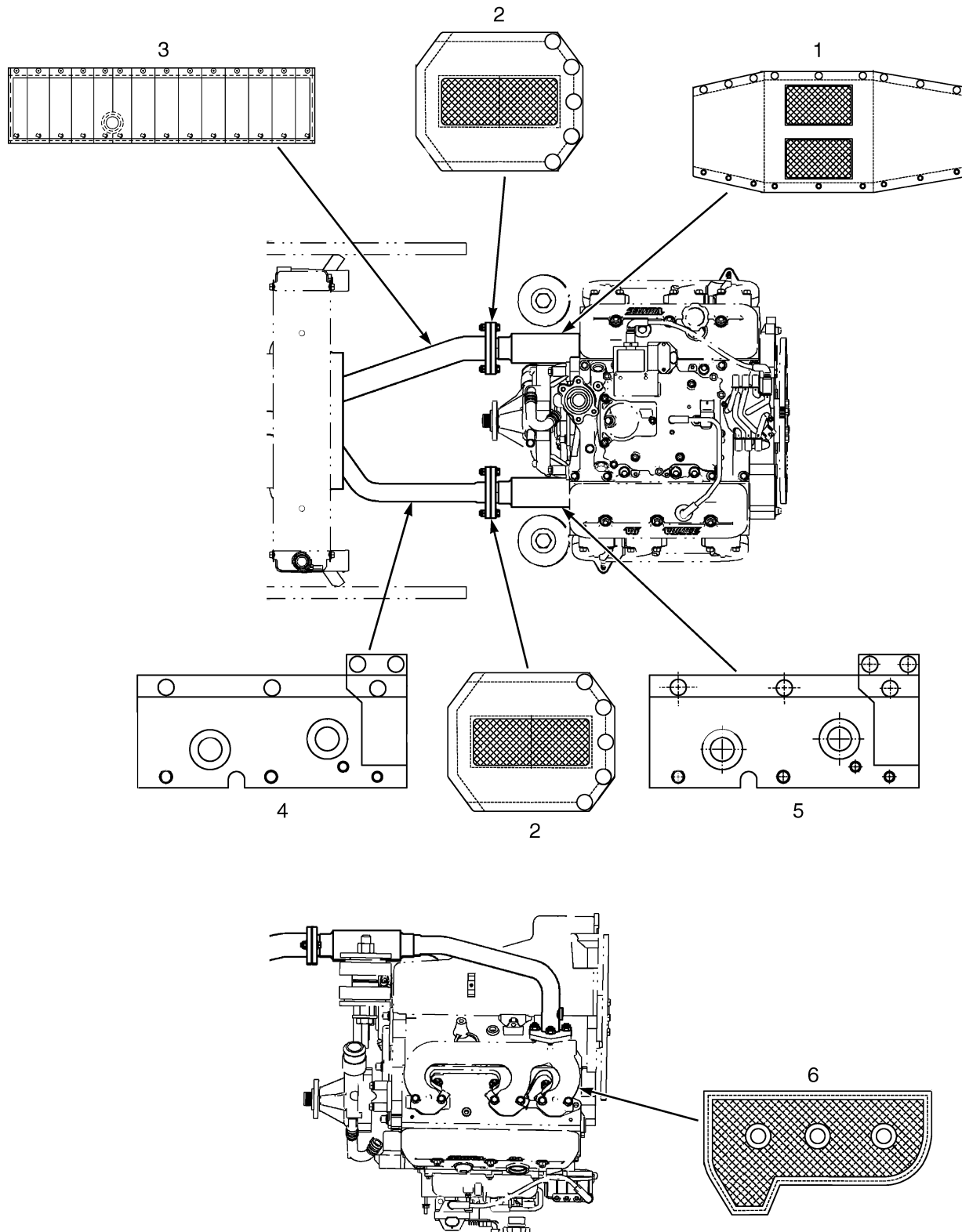
KEY:**A: Short Overhead Guard****B: Tall Overhead Guard Or With Cab**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1650668	Exhaust Pipe	1	..
1	1650669	Exhaust Pipe	..	1
2	a 1347045	Fastener.....	3	3
2	d 1510117	Capscrew.....	3	3
3	a 1347043	Cover	1	1
3	d 1351178	Cover	1	1
4	30370	Clamp	2	2
5	c 1581072	Exhaust Pipe	1	1
5	b 1581068	Exhaust Pipe	1	1
6	a 1578926	Tail Pipe	1	1
7	2072202	Muffler (Welded) (Safety Truck Only)	1	1
7	2078353	Muffler.....	1	1
8	1510115	Capscrew.....	2	2
9	1528938	Washer	4	4
10	1528930	Isolator.....	2	2
11	1532585	Washer	2	2
12	1649471	Spacer	2	2
13	320158	Washer	6	6
14	1582222	Lock Nut.....	6	6
15	1402189	Gasket	1	1
16	c 1639683	Exhaust Pipe	1	1
16	b 1639687	Exhaust Pipe	1	1
17	1460477	Nut	2	2
18	b 1510113	Capscrew.....	4	4
19	b 1480237	Clip Nut	4	4
20	b 1582333	Shield.....	1	1
21	1582222	Lock Nut.....	6	6
22	1566528	Gasket	2	2
23	1580029	Gasket	2	2
24	1641404	Exhaust Pipe	1	1
25	1641405	Exhaust Pipe	1	1
26	1580136	Nut	6	6
27	1580092	Stud	6	6

FOOTNOTES:

- a** Counterweight Exhaust
- b** H100-120FT
- c** H80-90FT
- d** Overhead Exhaust

EXHAUST WRAPS (Figure 2-3) GM 4.3L GASOLINE AND LPG



BP110045

EXHAUST WRAPS

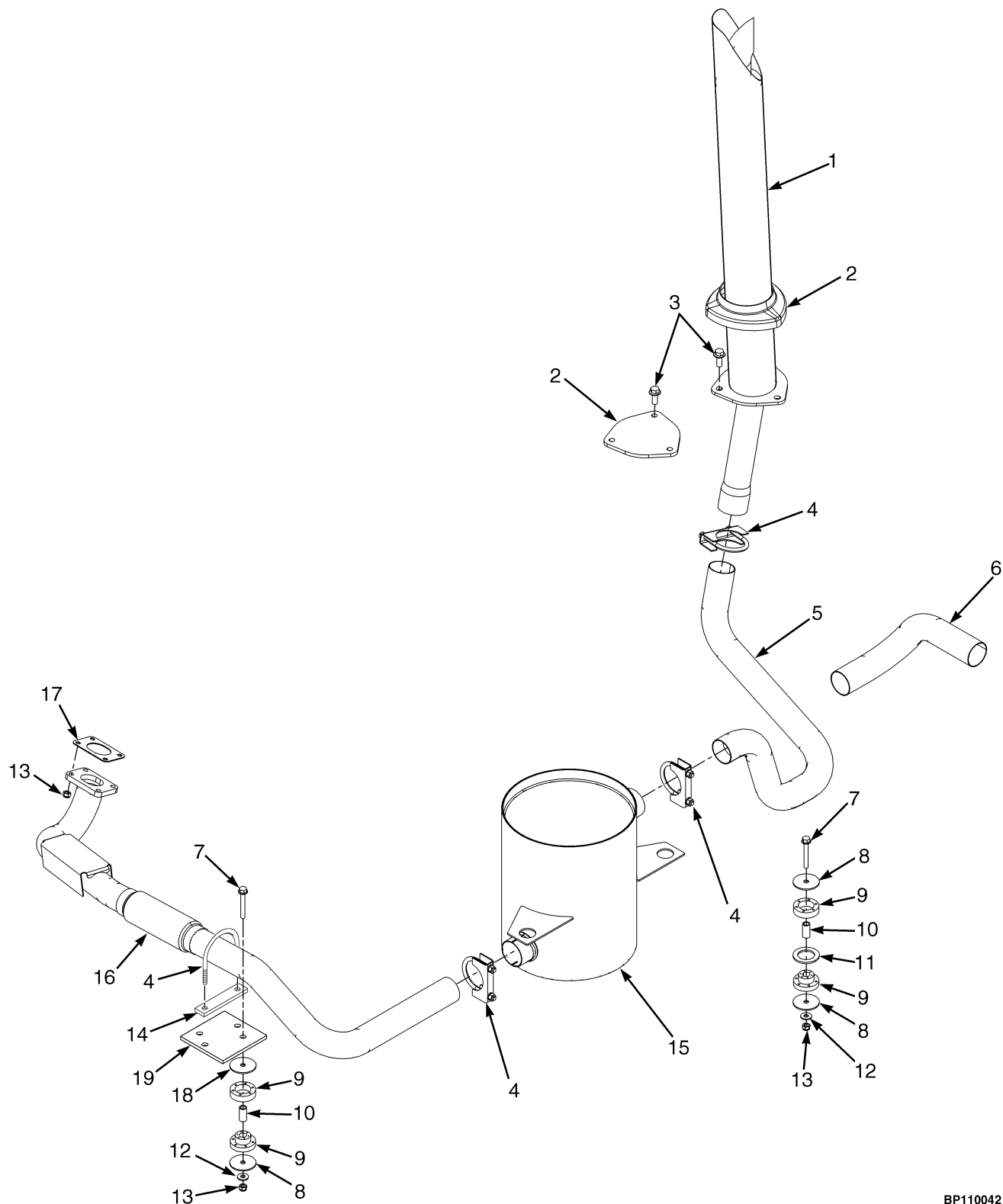
GM 4.3L GASOLINE AND LPG

ITEM	PART NO.	DESCRIPTION	QTY
1	2095790	Wrap (Flex)	1
2	2095792	Wrap (Joint)	2
3	e 2095798	Exhaust Wrap	1
3	f 2095795	Exhaust Wrap	1
3	b 2095797	Exhaust Wrap	1
3	c 2095793	Exhaust Wrap	1
4	a 2095794	Wrap (with Snaps)	1
4	d 2095796	Wrap (with Snaps)	1
5	2095791	Wrap (Flex)	1
6	2087117	Exhaust Wrap (Manifold)	2

FOOTNOTES:

- a** H100-120FT
- b** H100-120FT with Catalytic Converter
- c** H100-120FT without Catalytic Converter
- d** H80-90FT
- e** H80-90FT with Catalytic Converter
- f** H80-90FT without Catalytic Converter

EXHAUST SYSTEM (Figure 2-4) CUMMINS 4.5L DIESEL



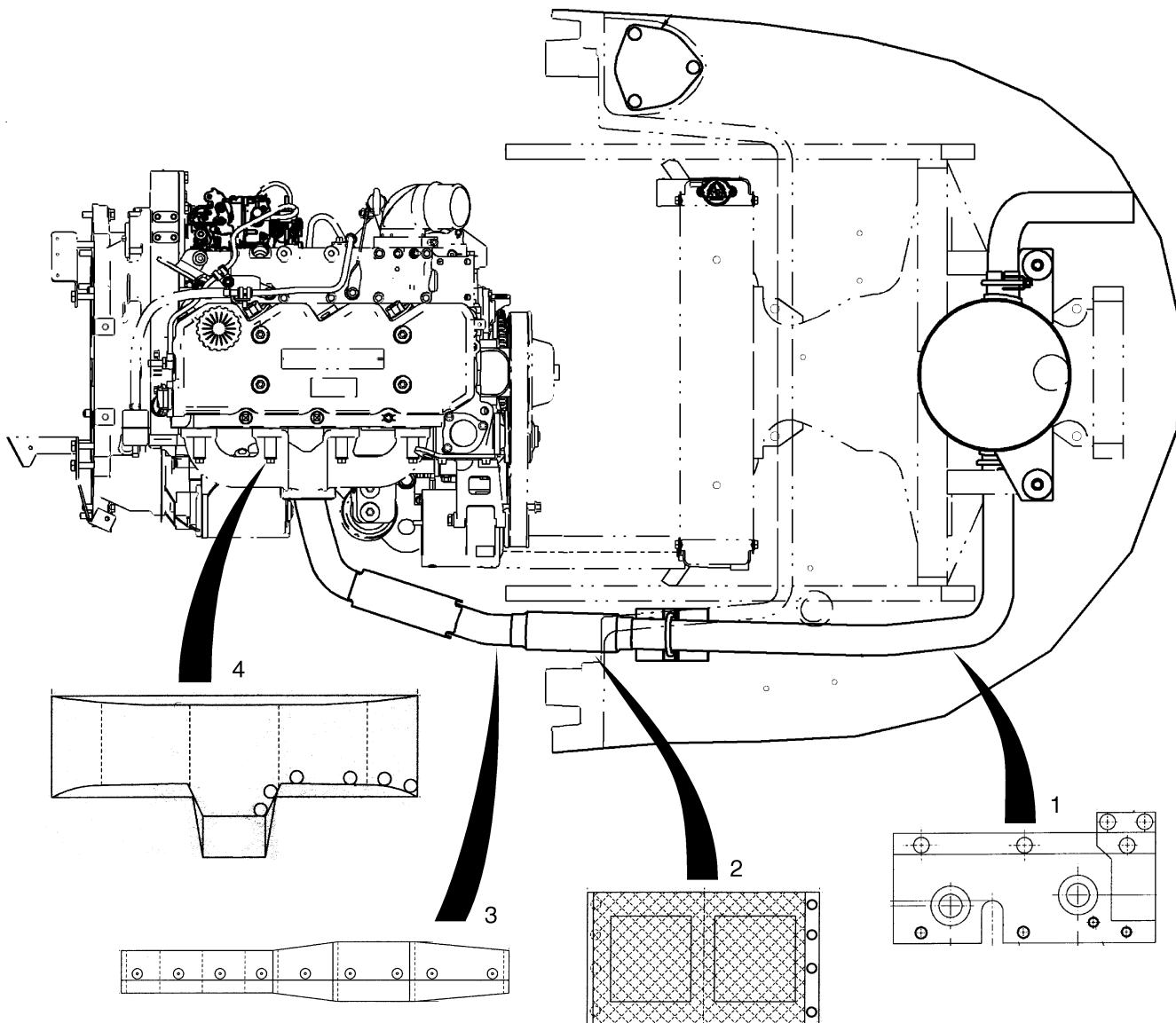
BP110042

**EXHAUST SYSTEM
CUMMINS 4.5L DIESEL****KEY:****A: Short Overhead Guard****B: Tall Overhead Guard Or With Cab**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	c 1650668	Exhaust Pipe (H80-90FT)	1	..
1	c 1650669	Exhaust Pipe (H100-120FT)	..	1
2	b 1347043	Cover	1	1
2	c 1351178	Cover	1	1
3	1347045	Fastener	3	3
3	1510117	Capscrew	3	3
4	30370	Clamp	3	3
5	1582068	Exhaust Pipe (H80-90FT)	1	..
5	1644743	Exhaust Pipe (H100-120FT)	..	1
6	b 1588584	Tail Pipe	1	1
6	ab 1649095	Tail Pipe	1	1
7	1510115	Capscrew	4	4
8	1528938	Washer	6	6
9	1528930	Isolator	4	4
10	1649471	Spacer	4	4
11	1532585	Washer	2	2
12	320158	Washer	2	2
13	1582222	Lock Nut	6	6
14	1647616	Spacer	1	1
15	2092344	Muffler (Crimped)	1	1
15	a 2092343	Muffler (Welded)	1	1
16	1638156	Exhaust Pipe (H80-90FT)	1	1
16	1638157	Exhaust Pipe (H100-120FT)	1	1
17	1582063	Gasket	1	1
18	1647617	Spacer	2	2
19	1647615	Bracket	1	1

FOOTNOTES:**a** Safety Truck Only**b** With Counterweight Exhaust**c** With Overhead Exhaust

EXHAUST WRAPS (Figure 2-5) CUMMINS 4.5L DIESEL

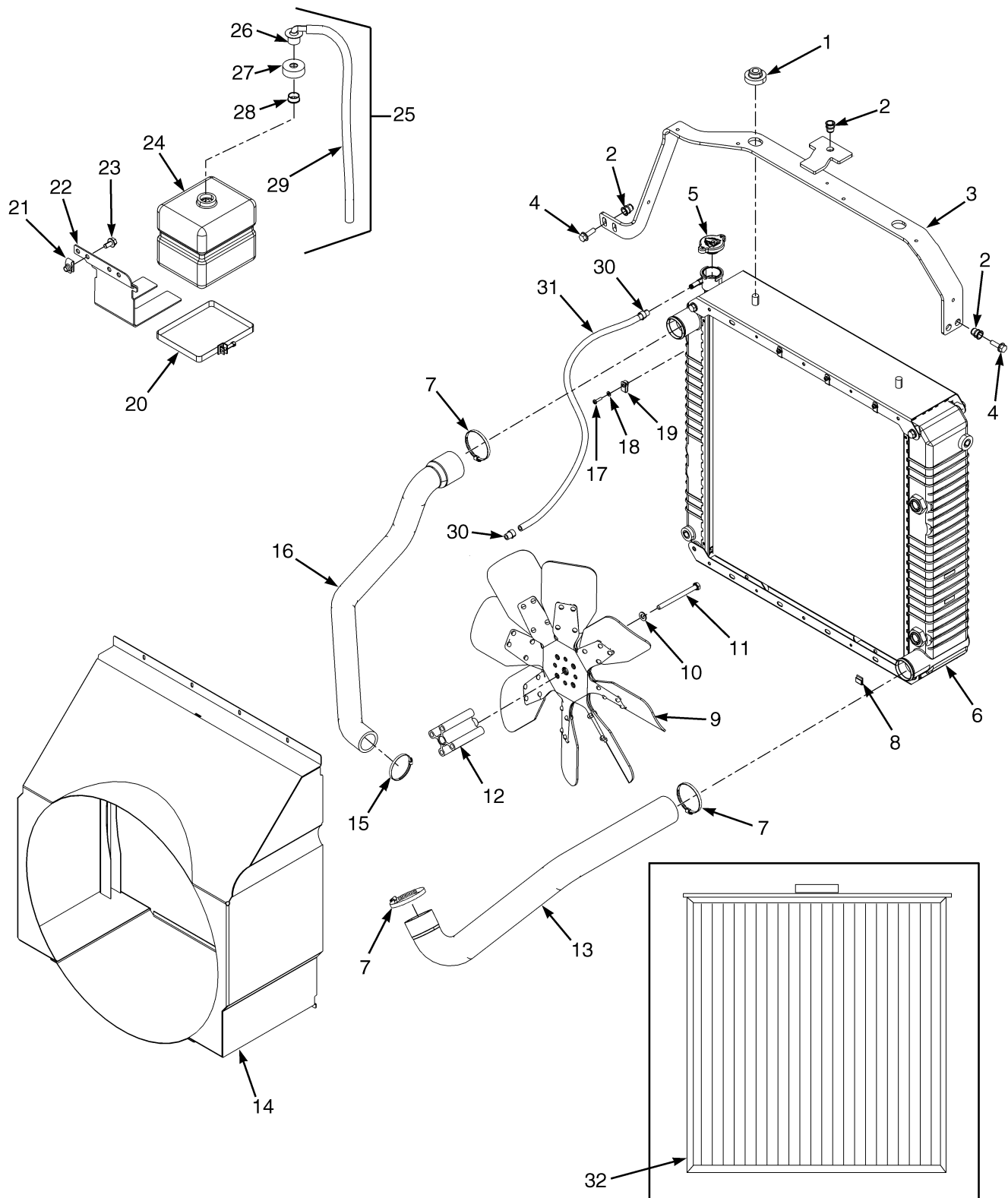


BP110046

**EXHAUST WRAPS
CUMMINS 4.5L DIESEL**

ITEM	PART NO.	DESCRIPTION	QTY
1	2095789	Wrap (with Snaps) (H80-90FT).....	1
1	2095788	Wrap (with Snaps) (H100-120FT).....	1
2	2095787	Wrap (Flex Joint)	1
3	2095786	Wrap	1
4	2095785	Wrap (Manifold)	1

COOLING (Figure 2-6) WITH INTERNAL OIL COOLER WITH BASIC TRANSMISSION AND DRY BRAKE (⇒PENDING PER ECN 10402518)



BP060026

COOLING
WITH INTERNAL OIL COOLER
WITH BASIC TRANSMISSION AND DRY BRAKE
(⇒PENDING PER ECN 10402518)

KEY:**A: GM 4.3L****B: Cummins 4.5L**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1529787	Isolator.....	2	2
2	1530243	Insert.....	5	5
3	b 1587535	Bracket.....	1	1
3	a 1587536	Bracket.....	1	1
4	1510113	Capscrew.....	4	4
5	1352140	Cap	1	1
6	2065853	Radiator	1	1
7	119236	Clamp	3	4
8	1329271	Clip	2	2
9	2095233	Fan.....	1	..
9	2085641	Fan.....	..	1
10	296418	Washer	4	4
11	1566505	Capscrew.....	4	4
12	1453247	Spacer	1	1
13	b 2072823	Hose (Lower)	1	..
13	a 2072825	Hose (Lower)	1	..
13	b 2072824	Hose (Lower)	..	1
13	a 2072826	Hose (Lower)	..	1
14	b 1624920	Shroud	..	1
14	b 1624919	Shroud	1	..
14	a 1624921	Shroud	1	..
14	a 1624922	Shroud	..	1
15	369804	Clamp	1	..
16	b 2072819	Hose (Upper)	1	..
16	a 2072821	Hose (Upper)	1	..
16	b 2084020	Hose (Upper)	..	1
16	a 2084021	Hose (Upper)	..	1
17	302023	Screw.....	4	4
18	320154	Washer	4	4
19	1535257	Clip Nut.....	4	4
20	340204	Strap	1	1
21	1480237	Clip Nut.....	2	2
22	1573711	Bracket.....	1	1
23	1527879	Capscrew.....	2	2
24	344432	Reservoir	1	1
25	345455	Outlet Assembly.....	1	1
26	345453	Outlet (Reservoir)	1	1
27	345454	Cap.....	1	1
28	336550	Bushing	1	1
29	339735	Hose	1	1
30	369815	Clamp	2	2
31	a 1302955	Tube	1	1
31	b 1581024	Tube	1	1
32	1574286	Screen	1	1

COOLING
WITH INTERNAL OIL COOLER
WITH BASIC TRANSMISSION AND DRY BRAKE
(⇒PENDING PER ECN 10402518)

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
33	c 1531404	Sensor (Low Coolant Level).....	1	1
33	c 14385	Plug	1	1

FOOTNOTES:

- a H100-120FT
- b H80-90FT
- c Not Illustrated

[illegible]

This exploded view diagram illustrates the assembly of a portable air conditioner. The components are numbered as follows:

- 1**: Mounting bracket at the top.
- 2**: Screws for the top bracket.
- 3**: Top chassis plate.
- 4**: Screws for the top chassis.
- 5**: Mounting bracket for the condenser coils.
- 6**: Condenser coils.
- 7**: O-rings for the air duct connections.
- 8**: Mounting bracket for the condenser coils.
- 9**: Fan blades.
- 10**: Fan motor.
- 11**: Fan housing.
- 12**: Fan assembly bracket.
- 13**: Air duct with a filter slot.
- 14**: Main unit housing.
- 15**: O-ring for the air duct connection.
- 16**: Air duct with a filter slot.
- 17**: O-ring for the air duct connection.
- 18**: Mounting bracket for the fan assembly.
- 19**: Fan assembly.
- 20**: Mounting bracket for the condenser coils.
- 21**: Air duct with a filter slot.
- 22**: Mounting bracket for the water tank.
- 23**: Water tank.
- 24**: Mounting bracket for the water tank.
- 25**: Water tank.
- 26**: Water tank.
- 27**: Filter panel.

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COOLING
WITH INTERNAL OIL COOLER
WITH BASIC TRANSMISSION AND DRY BRAKE
(PENDING PER ECN 10402518⇒)

KEY:**A: GM 4.3L****B: Cummins 4.5L**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1529787	Isolator.....	2	2
2	1530243	Insert.....	5	5
3	b 1587535	Bracket.....	1	1
3	a 1587536	Bracket.....	1	1
4	1510113	Capscrew.....	4	4
5	1352140	Cap	1	1
6	2065853	Radiator	1	1
7	119236	Clamp	3	4
8	1329271	Clip	2	2
9	2095233	Fan.....	1	..
9	2085641	Fan.....	..	1
10	296418	Washer	4	4
11	1566505	Capscrew.....	4	4
12	1453247	Spacer	1	1
13	b 2072823	Hose (Lower)	1	..
13	a 2072825	Hose (Lower)	1	..
13	b 2072824	Hose (Lower)	..	1
13	a 2072826	Hose (Lower)	..	1
14	b 1624920	Shroud	..	1
14	b 1624919	Shroud	1	..
14	a 1624921	Shroud	1	..
14	a 1624922	Shroud	..	1
15	369804	Clamp	1	..
16	b 2072819	Hose (Upper)	1	..
16	a 2072821	Hose (Upper)	1	..
16	b 2084020	Hose (Upper)	..	1
16	a 2084021	Hose (Upper)	..	1
17	302023	Screw.....	4	4
18	320154	Washer	4	4
19	1535257	Clip Nut.....	4	4
20	369815	Clamp	2	2
21	a 1302955	Tube	1	1
21	b 1581024	Tube	1	1
22	345453	Outlet (Reservoir)	1	1
22	345455	Outlet Assembly.....	1	1
23	345454	Cap.....	1	1
24	336550	Bushing	1	1
25	339735	Hose	1	1
26	1643342	Reservoir	1	1
27	1574286	Screen	1	1

COOLING
WITH INTERNAL OIL COOLER
WITH BASIC TRANSMISSION AND DRY BRAKE
(PENDING PER ECN 10402518⇒)

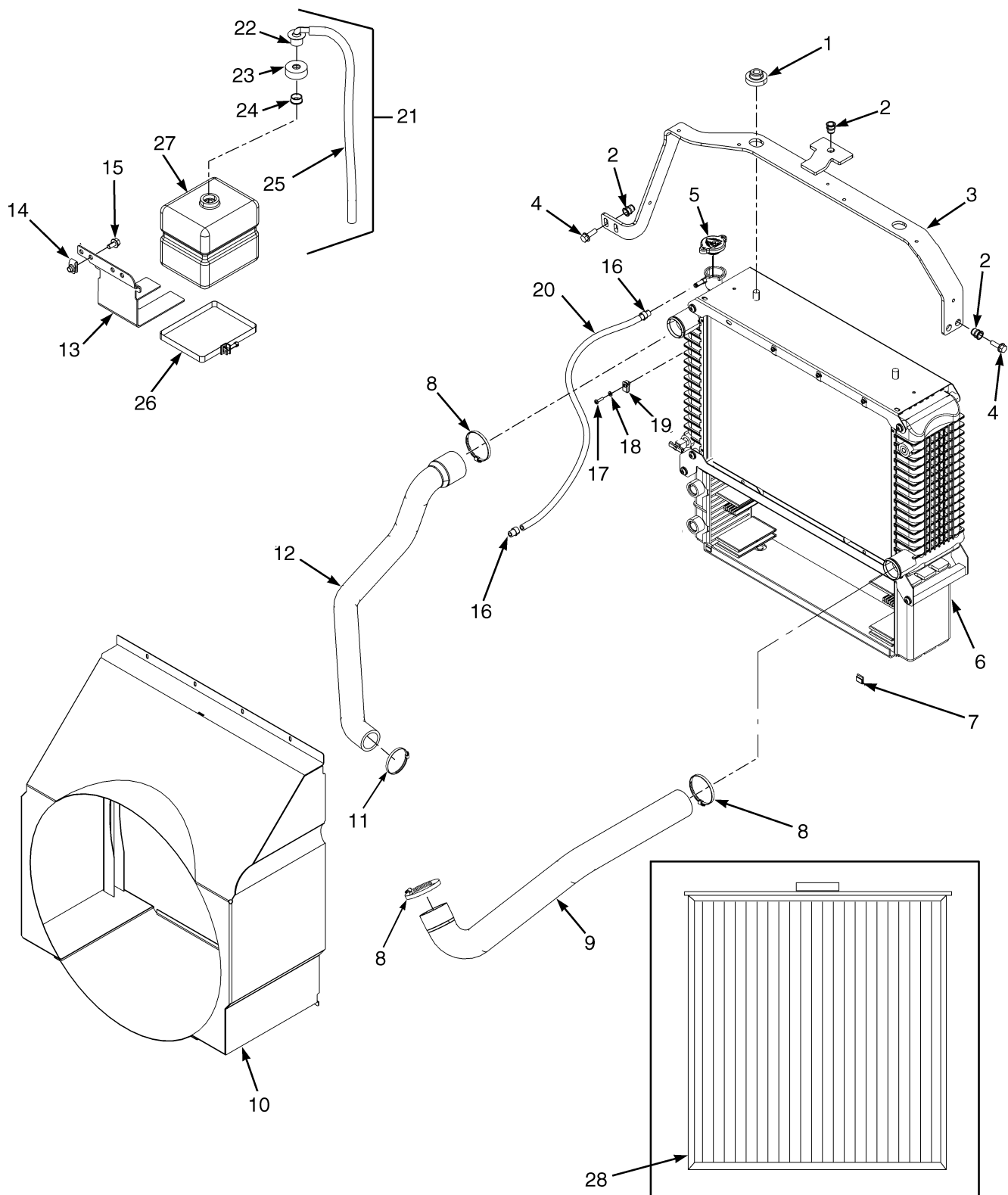
ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	c 1531404	Sensor (Low Coolant Level).....	1	1
	c 14385	Plug	1	1

FOOTNOTES:

- a H100-120FT
- b H80-90FT
- c Not Illustrated

[illegible]

COOLING (Figure 2-8) WITH EXTERNAL OIL COOLER AND ELECTRONIC TRANSMISSION OR WITH WET BRAKE (⇒PENDING PER ECN 10402518)



BP060027

COOLING
WITH EXTERNAL OIL COOLER AND ELECTRONIC TRANSMISSION
OR WITH WET BRAKE
(⇒PENDING PER ECN 10402518)

KEY:**A: GM 4.3L****B: Cummins 4.5L**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1529787	Isolator.....	4	4
2	1530243	Insert.....	5	5
3	b 1587535	Bracket.....	1	1
3	a 1587536	Bracket.....	1	1
4	1510113	Capscrew.....	4	4
5	1352140	Cap	1	1
6	2066322	Radiator Assembly.....	1	1
6	1623821	Radiator.....	1	1
6	1623819	Oil Cooler	1	1
7	1551663	Clip	2	2
8	119236	Clamp	3	4
9	b 2072827	Hose (Lower)	1	..
9	b 2072828	Hose (Lower)	..	1
9	a 2072829	Hose (Lower)	1	..
9	a 2072818	Hose (Lower)	..	1
10	bd 1624923	Shroud	1	..
10	be 1624923	Shroud	1	..
10	b 1624924	Shroud	..	1
10	a 1624925	Shroud	1	..
10	a 1624926	Shroud	..	1
11	369804	Clamp	1	..
12	b 2072819	Hose (Upper)	1	..
12	b 2084020	Hose (Upper)	..	1
12	a 2072821	Hose (Upper)	1	..
12	a 2084021	Hose (Upper)	..	1
13	1573711	Bracket.....	1	1
14	1480237	Clip Nut.....	2	2
15	1527879	Capscrew.....	2	2
16	369815	Clamp	2	2
17	302023	Screw.....	4	4
18	320154	Washer	4	4
19	1535257	Clip Nut.....	4	4
20	b 1581024	Tube	1	1
20	a 1302955	Tube	1	1
21	345455	Outlet Assembly.....	1	1
22	345453	Outlet (Reservoir)	1	1
23	345454	Cap.....	1	1
24	336550	Bushing	1	1
25	339735	Hose	1	1
26	340204	Strap	1	1
27	344432	Reservoir	1	1
28	1574286	Screen	1	1

COOLING
WITH EXTERNAL OIL COOLER AND ELECTRONIC TRANSMISSION
OR WITH WET BRAKE
(⇒PENDING PER ECN 10402518)

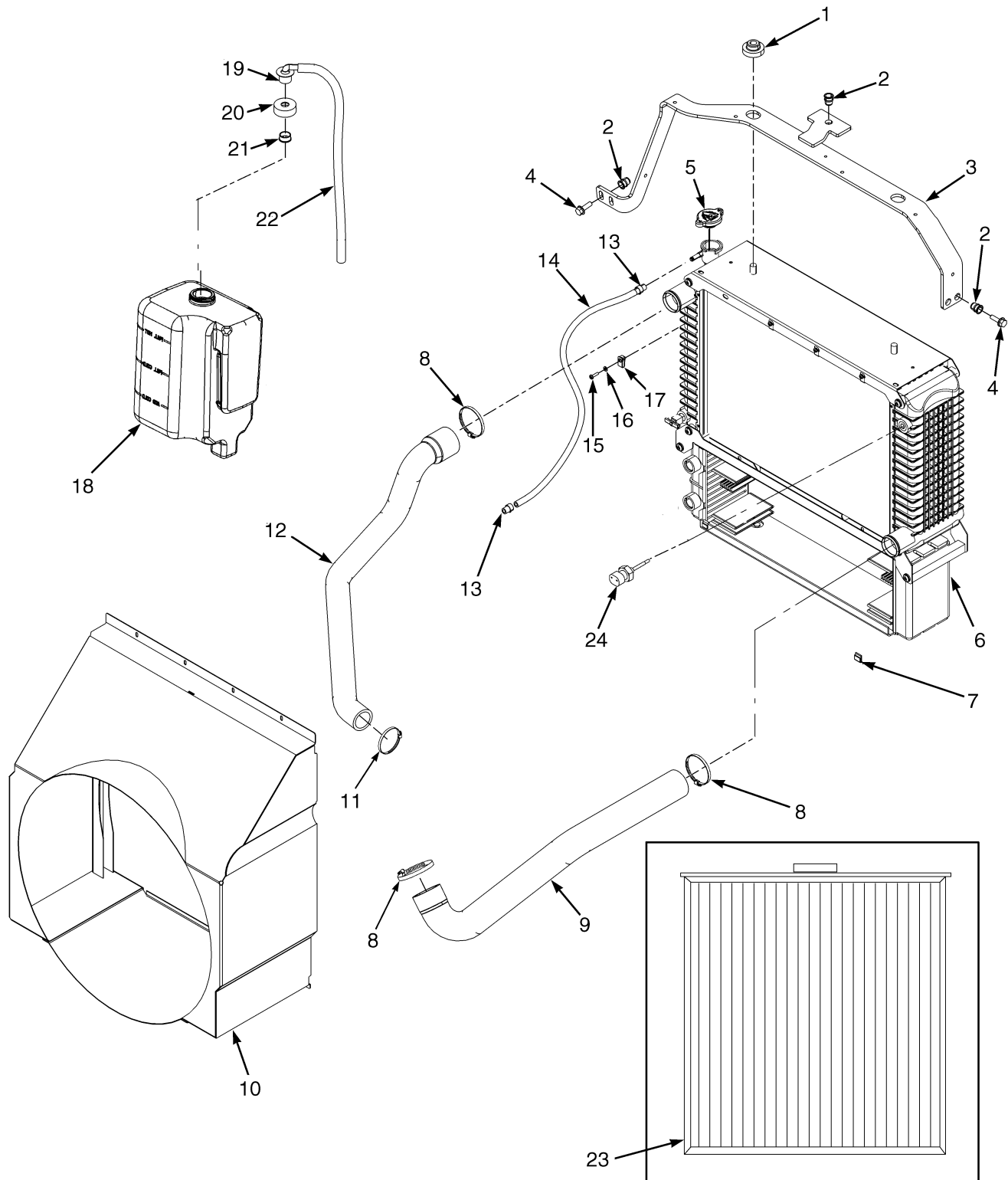
ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	c 1531404	Sensor (Low Coolant Level).....	1	1
	c 14385	Plug (Without Coolant Sensor)	1	1

FOOTNOTES:

- a** H100-120FT
- b** H80-90FT
- c** Not Illustrated
- d** ⇒ S/N N005V01515D
- e** S/N N005V01516D ⇒

[illegible]

COOLING (Figure 2-9) WITH EXTERNAL OIL COOLER AND ELECTRONIC TRANSMISSION OR WITH WET BRAKE (PENDING PER ECN 10402518⇒)



BP060037

COOLING

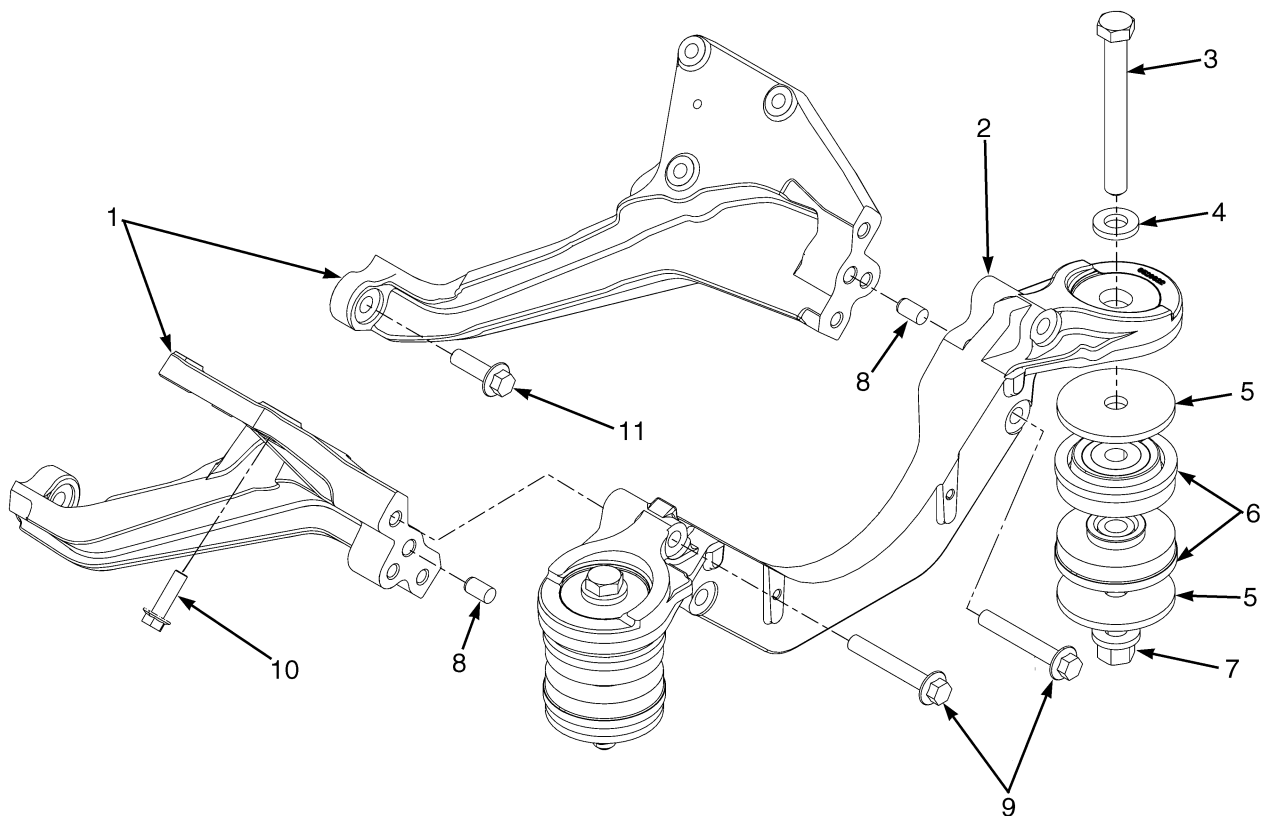
WITH EXTERNAL OIL COOLER AND ELECTRONIC TRANSMISSION OR WITH WET BRAKE (PENDING PER ECN 10402518⇒)

KEY:**A: GM 4.3L****B: Cummins 4.5L**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1529787	Isolator.....	4	4
2	1530243	Insert.....	5	5
3	b 1587535	Bracket.....	1	1
3	a 1587536	Bracket.....	1	1
4	1510113	Capscrew.....	4	4
5	1352140	Cap	1	1
6	2066322	Radiator Assembly.....	1	1
6	1623821	Radiator.....	1	1
6	1623819	Oil Cooler	1	1
7	1551663	Clip	2	2
8	119236	Clamp	3	4
9	b 2072827	Hose (Lower)	1	..
9	b 2072828	Hose (Lower)	..	1
9	a 2072829	Hose (Lower)	1	..
9	a 2072818	Hose (Lower)	..	1
10	b 1641649	Shroud	1	..
10	b 1624924	Shroud	..	1
10	a 1624925	Shroud	1	..
10	a 1624926	Shroud	..	1
11	369804	Clamp	1	..
12	b 2072819	Hose (Upper)	1	..
12	b 2084020	Hose (Upper)	..	1
12	a 2072821	Hose (Upper)	1	..
12	a 2084021	Hose (Upper)	..	1
13	369815	Clamp	2	2
14	b 1581024	Tube	1	1
14	a 1302955	Tube	1	1
15	302023	Screw.....	4	4
16	320154	Washer	4	4
17	1535257	Clip Nut.....	4	4
18	1643342	Reservoir	1	1
19	345453	Outlet (Reservoir)	1	1
19	345455	Outlet Assembly.....	1	1
20	345454	Cap.....	1	1
21	336550	Bushing	1	1
22	339735	Hose	1	1
23	1574286	Screen	1	1
24	1531404	Sensor (Low Coolant Level).....	1	1
	c 14385	Plug (Without Coolant Sensor)	1	1

FOOTNOTES:**a** H100-120FT**b** H80-90FT**c** Not Illustrated

ENGINE MOUNTING (Figure 2-10) GM 4.3L, GASOLINE AND LPG

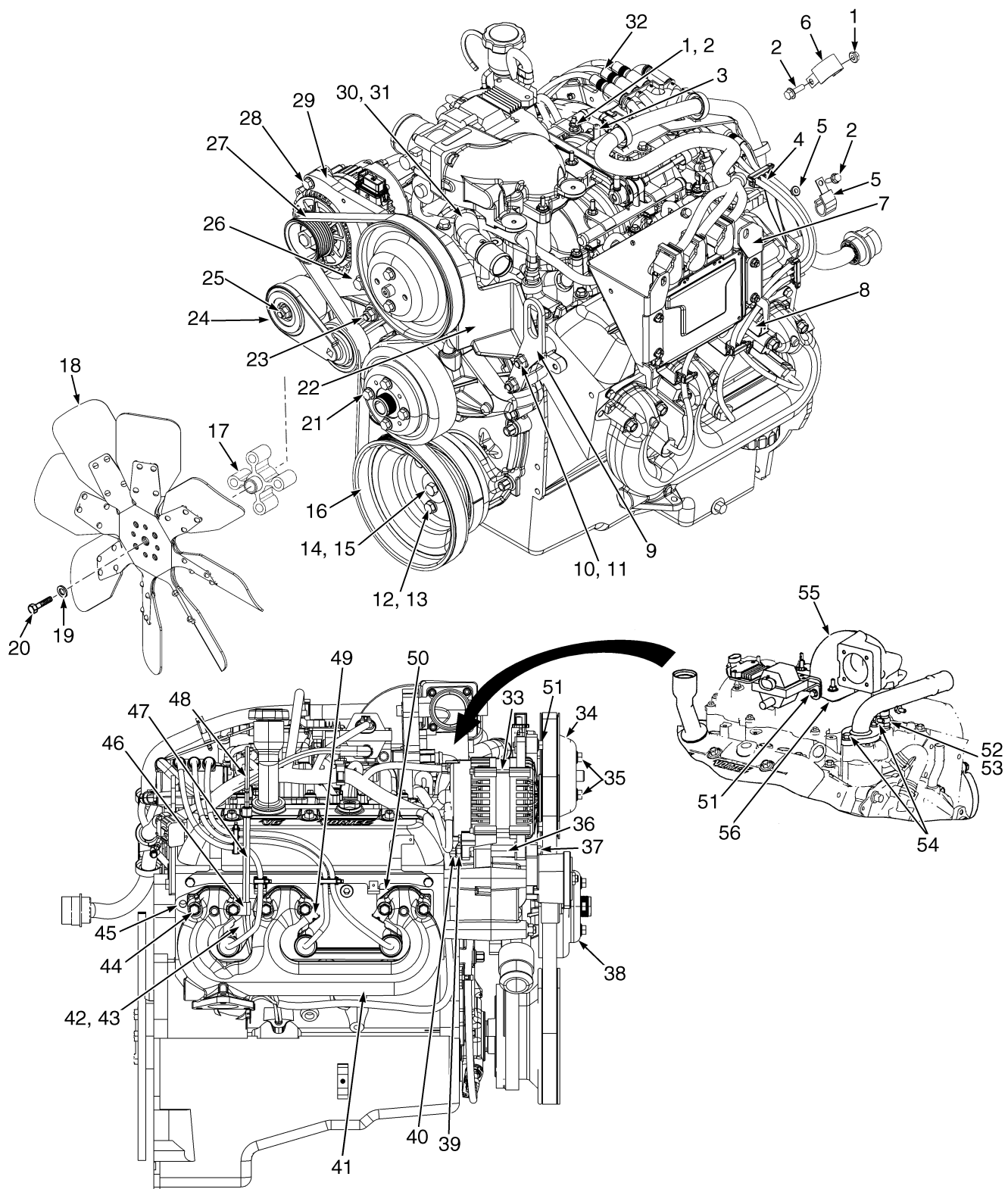


BP090206

ENGINE MOUNTING
GM 4.3L, GASOLINE AND LPG

ITEM	PART NO.	DESCRIPTION	QTY
1	1590397	Engine Mount (LH)	1
1	1590399	Engine Mount (RH)	1
2	1597842	Engine Mount (Crossmember)	1
3	293699	Capscrew	2
4	1504075	Washer	2
5	1557737	Washer	4
6	2069951	Isolator	4
7	1565453	Nut (Flange)	2
8	303150	Pin	2
9	1591666	Capscrew	4
10	1565195	Capscrew	6
11	1566853	Capscrew	4

ASSEMBLED ENGINE (Figure 2-11) GM 4.3L, GASOLINE AND LPG SHEET 1 OF 3



BP090306

ASSEMBLED ENGINE **GM 4.3L, GASOLINE AND LPG** **SHEET 1 OF 3**

ITEM	PART NO.	DESCRIPTION	QTY
	1539198	Engine Assembly (Gasoline) (2006 Series).....	1
	1646673	Engine Assembly (Gasoline) (2007 Series).....	1
	1591677	Engine Assembly (LPG) (2006 Series).....	1
	1646674	Engine Assembly (LPG) (2007 Series).....	1
1	1514429	Nut (Flange).....	6
2	1527877	Capscrew.....	6
3	1570664	Cap (Vacuum Port)	1
4	2088832	Wire Harness (Spark Plug LH)	1
5	1628118	Clamp	2
6	1628117	Clamp	1
7	1626519	Bracket (2006 Series)	1
7	1641371	Bracket (2007 Series)	1
8	1564035	Bracket.....	2
9	1544212	Bracket.....	1
10	1460477	Nut	5
11	1578620	Stud	2
12	292682	Lockwasher.....	3
13	16634	Capscrew.....	3
14	1305165	Washer	1
15	221544	Capscrew.....	1
16	1377750	Pulley.....	1
17	1453247	Spacer	1
18	2095233	Fan.....	1
19	296418	Washer	4
20	1566505	Capscrew.....	4
21	1527879	Capscrew.....	4
22	1583769	Fan Mount (See Figure 2-14)	1
23	1578617	Stud	2
24	2090303	Tensioner	1
25	1578619	Stud	1
26	1527885	Capscrew.....	1
27	2090051	Belt	1
28	1528482	Capscrew.....	1
29	1636803	Bracket (Alternator).....	1
30	1560200	Housing	1
31	1569540	Thermostat	1
32	2088830	Wire Harness (Spark Plug RH).....	1
33	1534017	Alternator	1
34	2071579	Pulley.....	1
35	1529366	Capscrew.....	2
36	1554814	Spacer	1
37	1327647	Capscrew.....	1
38	2063017	Pulley (Water Pump).....	1
39	320157	Washer	1
40	302400	Locknut	1
41	1623917	Manifold (Exhaust).....	2
42	1623895	Shield.....	2
43	1316487	Shield.....	1
44	1383257	Bolt	12
45	1539274	Gasket	2

ASSEMBLED ENGINE GM 4.3L, GASOLINE AND LPG SHEET 1 OF 3

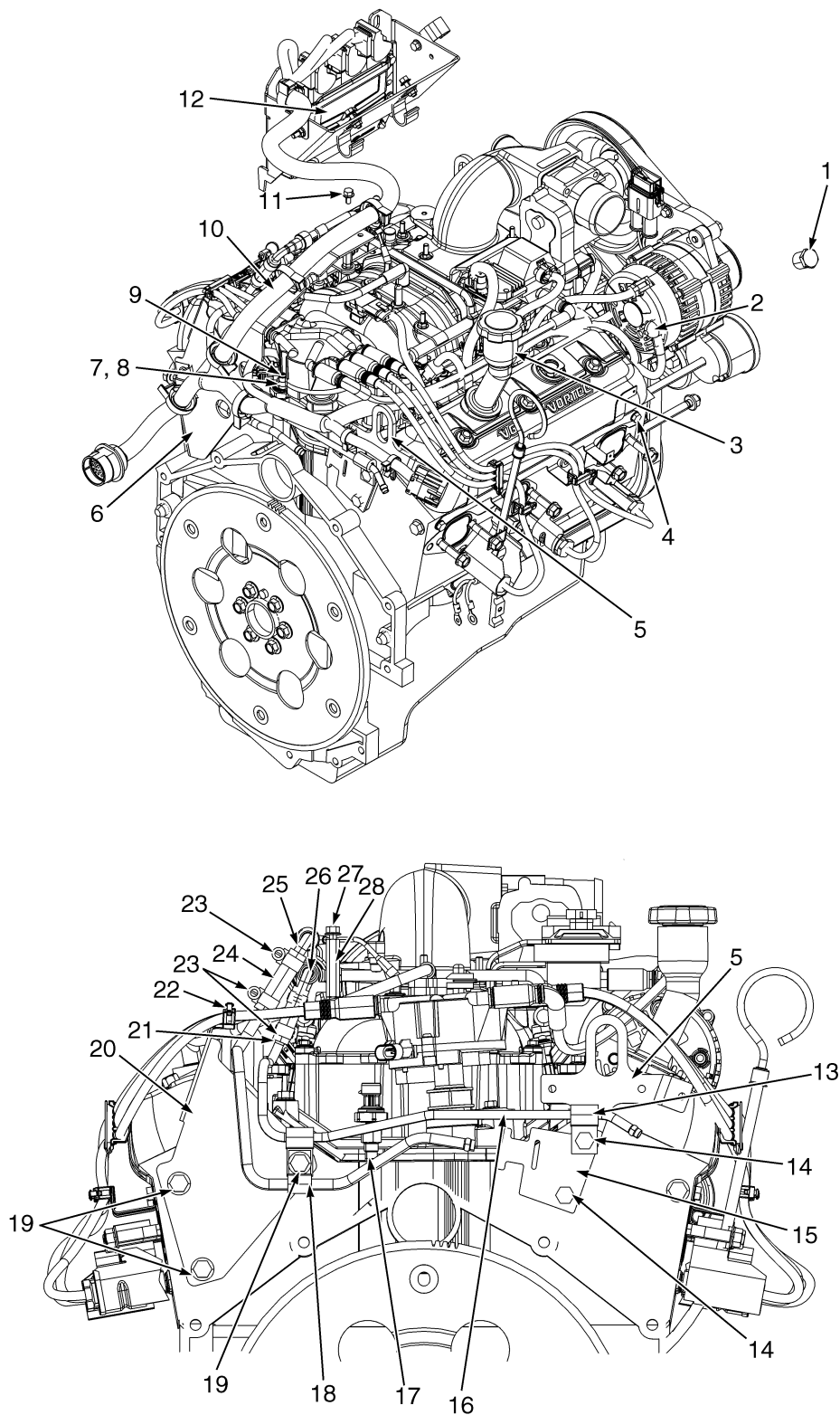
ITEM	PART NO.	DESCRIPTION	QTY
46	133696	Clamp	1
47	1514915	Tube (2006 Series)	1
47	1652034	Tube (2007 Series)	1
48	1510649	Dipstick	1
49	1316488	Shield.....	2
50	1539273	Gasket	2
51	1534417	Capscrew.....	3
52	1560255	Sensor (Coolant Temperature)	1
53	246108	Sealant	AR
54	1510113	Capscrew.....	2
55	1583602	Intake Adaptor (Gasoline, 2006 Series).....	1
55	1657558	Intake Adaptor (Gasoline, 2007 Series).....	1
55	1583601	Intake Adaptor (LPG).....	1
55	1560193	Sleeve.....	2
56	2067592	Gasket	1
57	1527876	Capscrew.....	2
	a 1309993	Flange Bolt	4
	a 385670	Clamp	2
	2088997	Wire Set (Spark Plug Wires and Coil Wire) (2006 Series) (Includes Items 4, 32)	1

FOOTNOTES:

a Not Illustrated

[illegible]

ASSEMBLED ENGINE (Figure 2-12) GM 4.3L, GASOLINE AND LPG SHEET 2 OF 3



BP090307

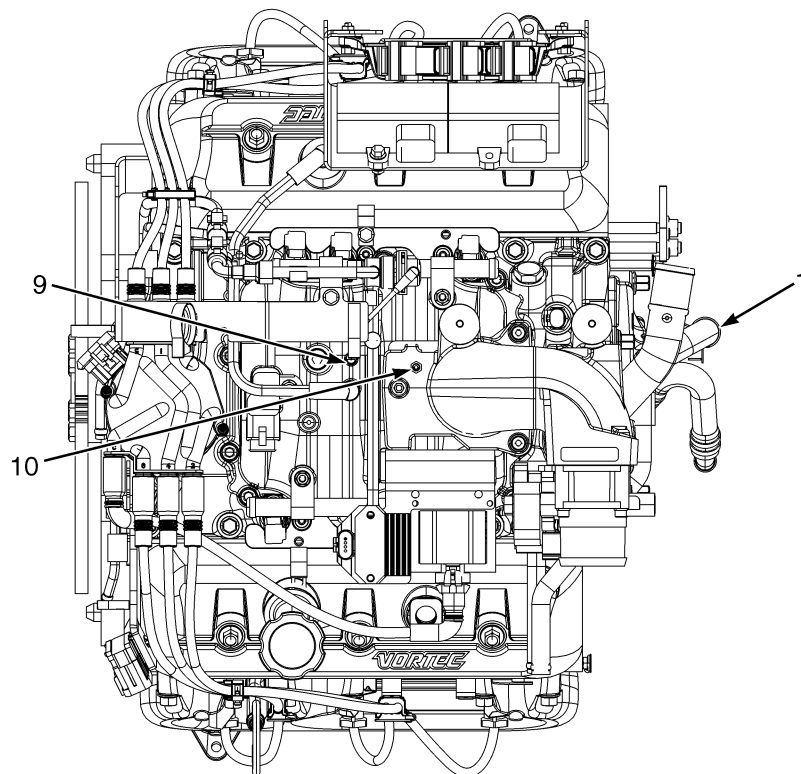
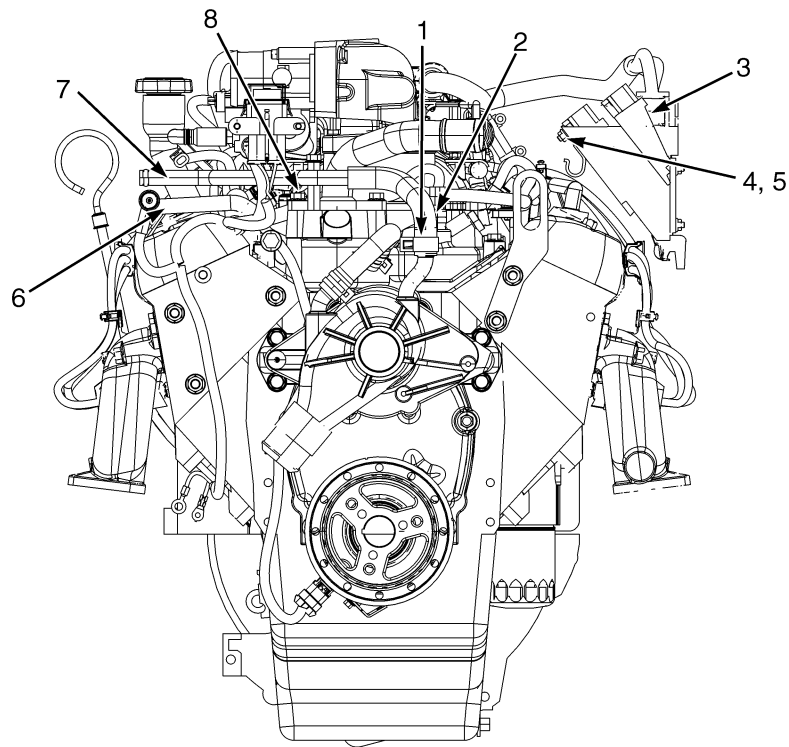
ASSEMBLED ENGINE **GM 4.3L, GASOLINE AND LPG** **SHEET 2 OF 3**

KEY:**A: Gasoline****B: LPG**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	1539198	Engine Assembly (Gasoline) (2006 Series).....	1	..
	1646673	Engine Assembly (Gasoline) (2007 Series).....	1	..
	1591677	Engine Assembly (LPG) (2006 Series).....	..	1
	1646674	Engine Assembly (LPG) (2007 Series).....	..	1
1	14387	Fitting.....	1	..
2	1514429	Nut (Flange).....	1	1
3	1552141	Oil Filler	1	1
4	392620	Screw.....	4	4
5	1636047	Bracket.....	1	1
6	1636048	Bracket.....	1	1
7	1590201	Fitting.....	1	1
8	246108	Sealant	AR	AR
9	1566654	Pressure Transducer (Engine Oil Pressure)	1	1
10	2087702	Wire Harness (Engine) (☞ Figure 4-28)	1	..
10	2087701	Wire Harness (Engine) (☞ Figure 4-29)	..	1
11	1534417	Capscrew.....	3	3
12	b 2071329	Engine Control Module (2006 Series)	..	1
12	b 2071330	Engine Control Module (2006 Series)	1	..
12	a 2071560	Engine Control Module (2006 Series)	..	1
12	a 2071562	Engine Control Module (2006 Series)	1	..
12	c 2094097	Engine Control Module (2007 Series)	..	1
12	c 2094096	Engine Control Module (2007 Series)	1	..
13	198675	Clamp	2	..
14	174413	Capscrew.....	2	2
15	2080791	Bracket.....	1	..
16	2081136	Tube	1	..
17	1552840	Tube	1	..
18	164488	Clamp	1	..
19	1309993	Flange Bolt	2	2
20	1623860	Bracket.....	1	..
21	2062587	Hose	1	..
22	1564036	Retainer (Three Wire Clip).....	1	..
23	168718	Clamp (Worm Screw)	4	..
24	2066137	Hose	1	..
25	1546285	Elbow.....	1	..
26	1543933	Fitting.....	1	..
27	1534417	Capscrew.....	1	..
28	2081315	Adapter	1	1

FOOTNOTES:**a** Basic Transmission**b** Electronic Transmission**c** Used on both the Electronic and Basic Transmission

ASSEMBLED ENGINE (Figure 2-13) GM 4.3L, GASOLINE AND LPG SHEET 3 OF 3



BP090273

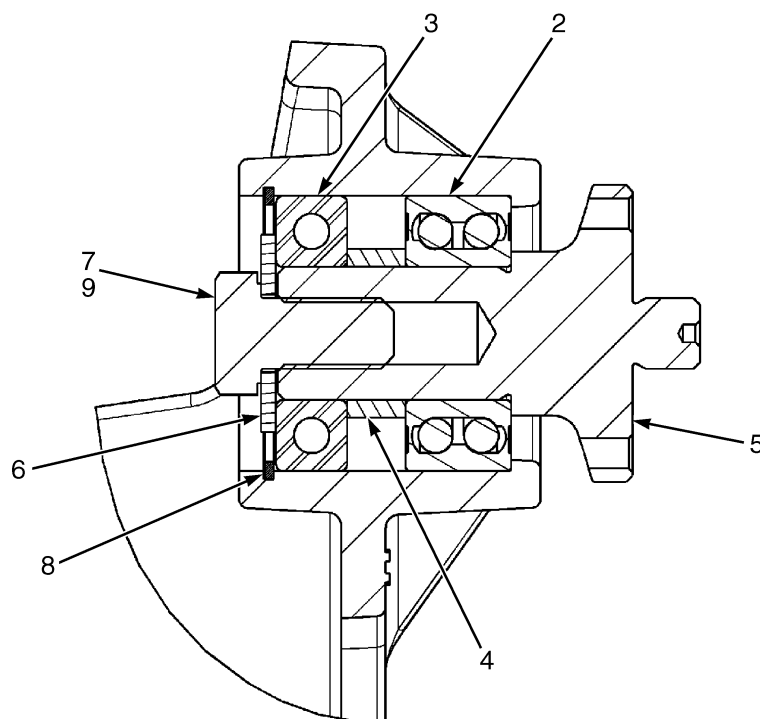
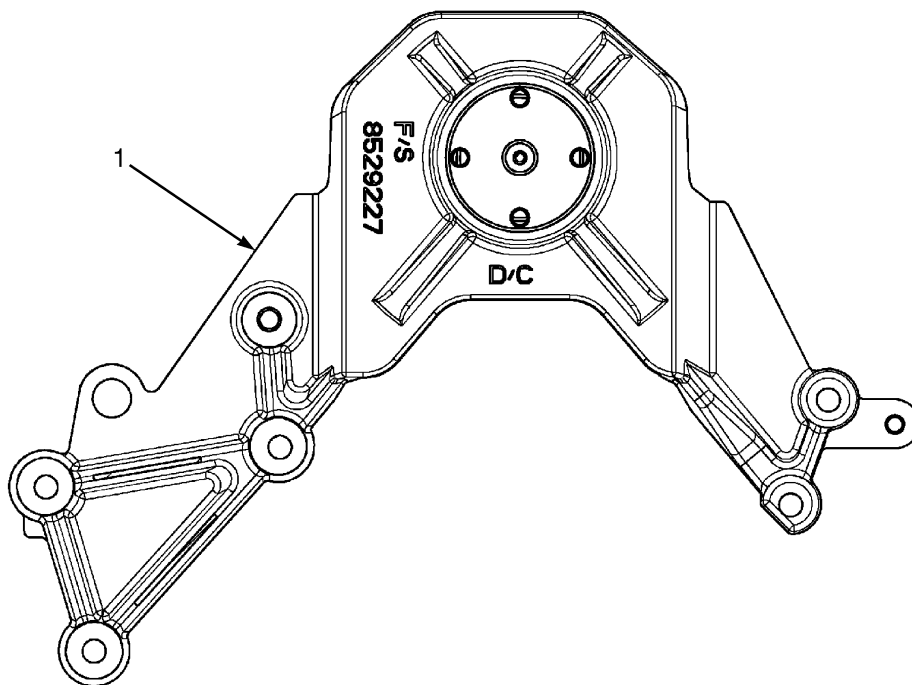
ASSEMBLED ENGINE
GM 4.3L, GASOLINE AND LPG
SHEET 3 OF 3

ITEM	PART NO.	DESCRIPTION	QTY
	1539198	Engine Assembly (Gasoline) (2006 Series).....	1
	1591677	Engine Assembly (LPG) (2006 Series).....	1
1	1646673	Engine Assembly (Gasoline) (2007 Series).....	1
1	1646674	Engine Assembly (LPG) (2007 Series).....	1
1	1501994	Clamp	2
1	a 1501994	Clamp	1
2	b 2076429	Hose	1
3	2082657	Module (Injector Driver)	2
4	1514429	Nut (Flange).....	2
5	1527877	Capscrew.....	2
6	b 1570597	Tube	1
7	b 1593913	Tube	1
8	b 1510116	Capscrew.....	1
9	b 1579136	Fitting.....	1
10	1593914	Cap	1
	c 1527876	Capscrew.....	3

FOOTNOTES:

- a** Gasoline Engine Only
- b** LPG Engine
- c** Not Illustrated

FAN MOUNT ASSEMBLY (Figure 2-14) GM 4.3L GASOLINE AND LPG

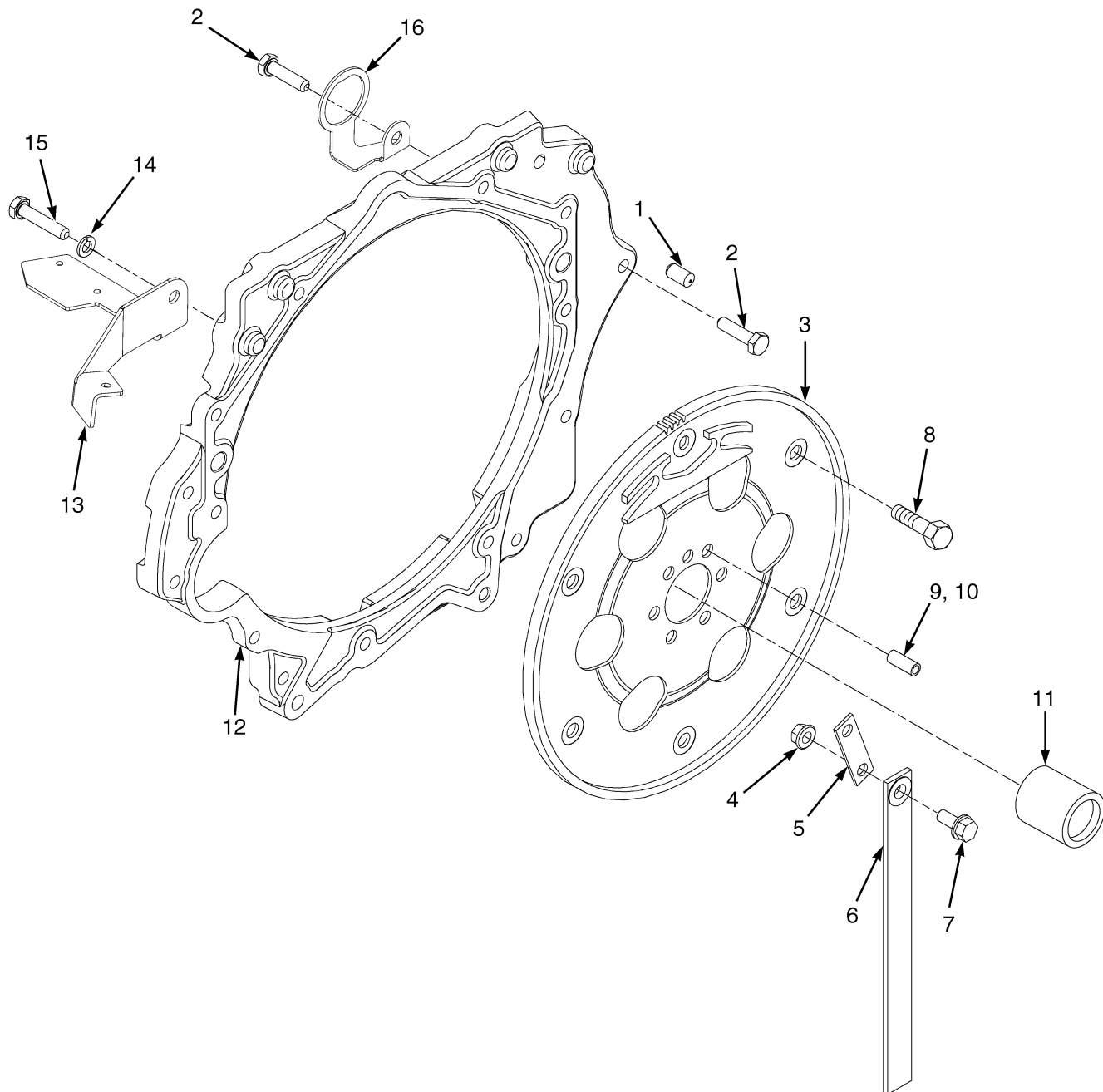


BP090311

**FAN MOUNT ASSEMBLY
GM 4.3L GASOLINE AND LPG**

ITEM	PART NO.	DESCRIPTION	QTY
	1583769	Fan Mount.....	1
1	1615817	Bracket	1
2	1615920	Bearing	1
3	2014670	Bearing	1
4	1615818	Spacer	1
5	2083634	Shaft	1
6	15180	Washer	1
7	292559	Capscrew	1
8	12921	Snap Ring.....	1
9	360387	Sealant	AR

FLYWHEEL AND HOUSING (Figure 2-15) GM 4.3L GASOLINE AND LPG

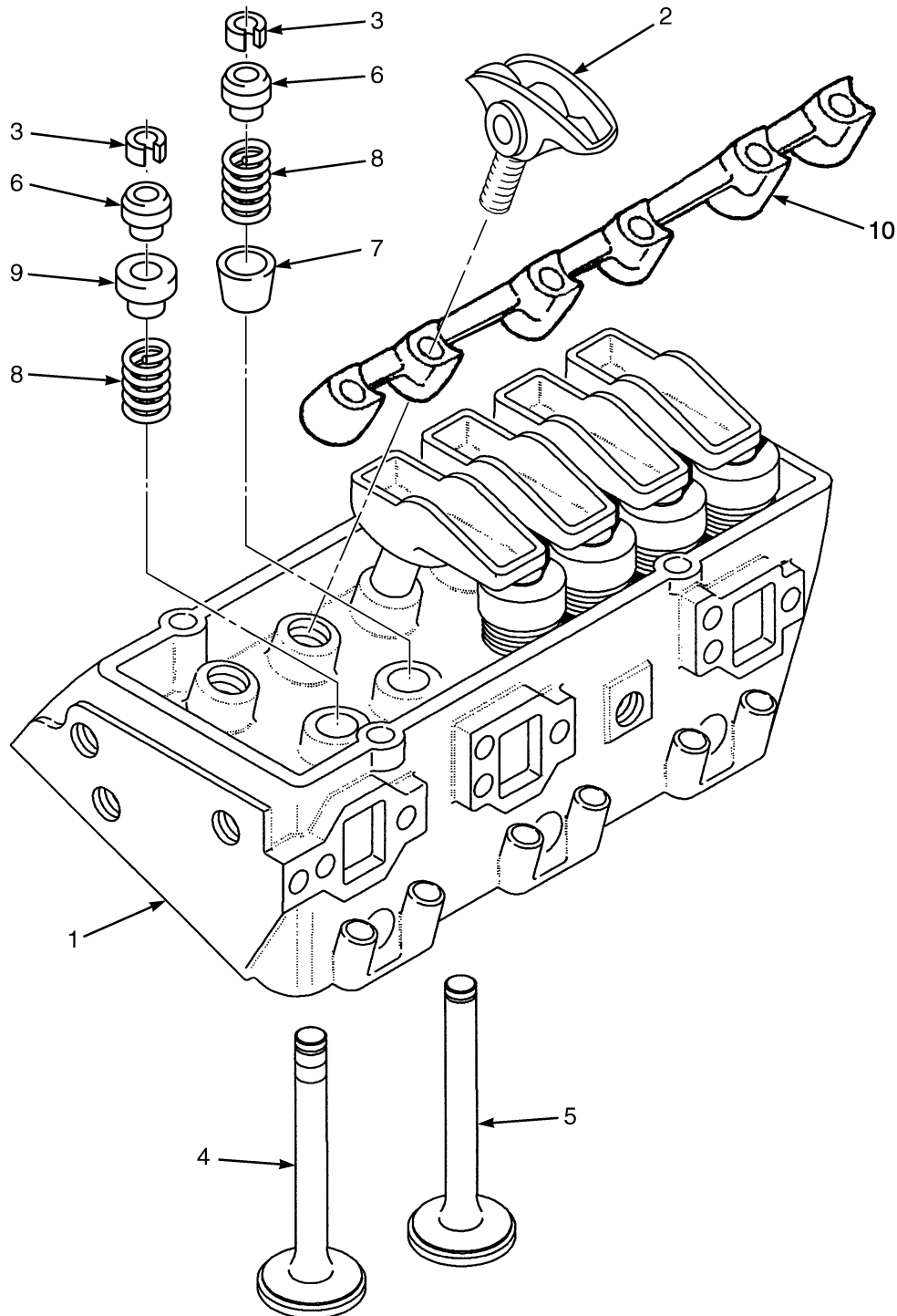


BP090287

**FLYWHEEL AND HOUSING
GM 4.3L GASOLINE AND LPG**

ITEM	PART NO.	DESCRIPTION	QTY
1	303150	Pin	2
2	292515	Capscrew.....	15
3	1627227	Flywheel	1
4	1460477	Nut	1
5	1565832	Bracket.....	1
6	240072	Static Strap	1
7	1586013	Capscrew.....	1
8	1456112	Bolt	6
9	1338222	Pin	AR
10	375571	Pin	1
11	1627345	Bearing	1
12	1553269	Housing	1
13	1624204	Bracket.....	1
14	292682	Lockwasher.....	19
15	292517	Capscrew.....	4
16	1623092	Bracket.....	1

CYLINDER HEAD (Figure 2-16) GM 4.3L GASOLINE AND LPG

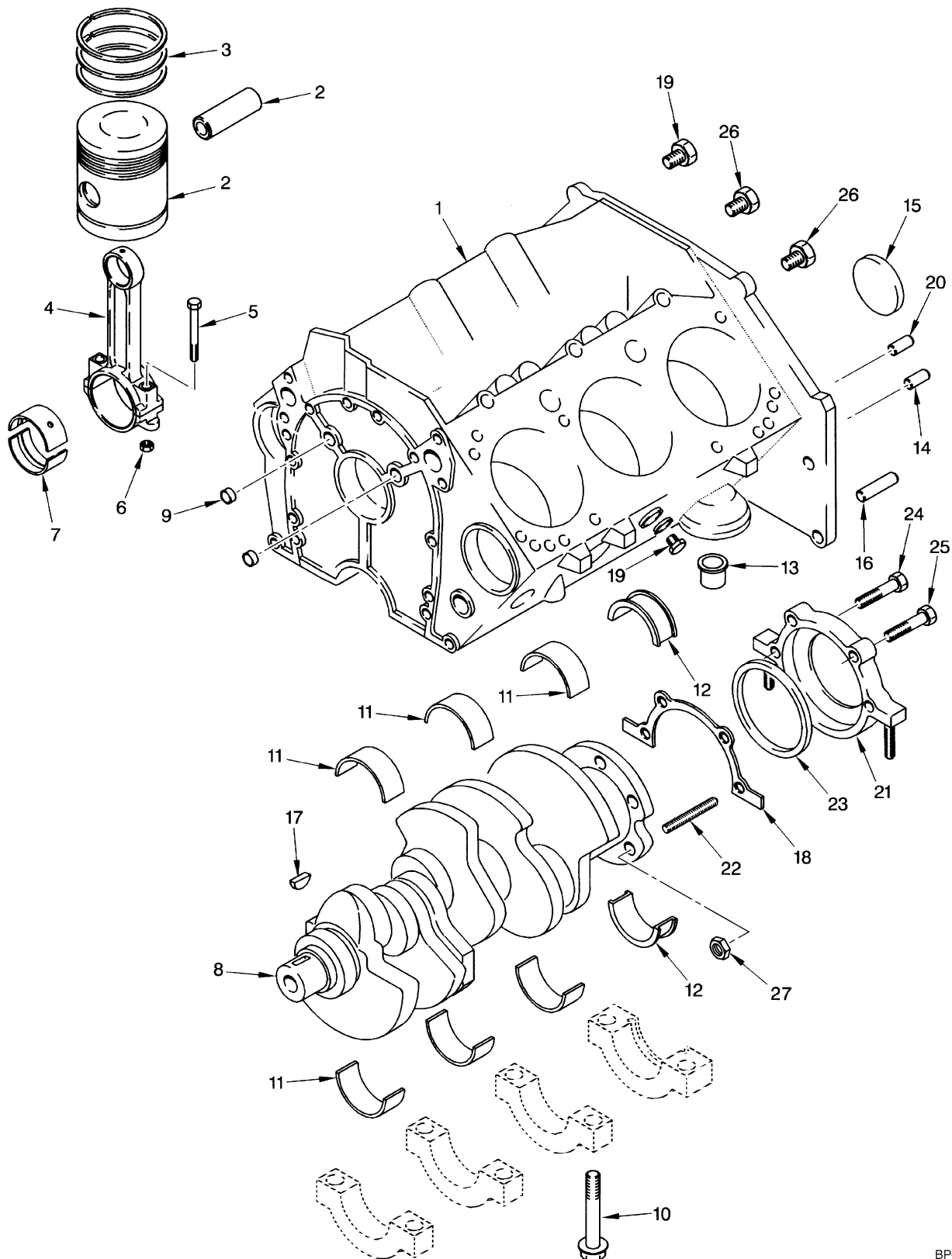


HP090254

**CYLINDER HEAD
GM 4.3L GASOLINE AND LPG****KEY:****A: Gasoline****B: LPG**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	1539198	Engine Assembly (Gasoline) (2006 Series).....	1	..
	1646673	Engine Assembly (Gasoline) (2007 Series).....	1	..
	1591677	Engine Assembly (LPG) (2006 Series).....	..	1
	1646674	Engine Assembly (LPG) (2007 Series).....	..	1
1	1471557	Cylinder Head.....	2	..
1	1553964	Cylinder Head (2006 Series).....	..	2
1	1653888	Cylinder Head (2007 Series).....	..	2
2	1389051	Bolt	4	4
2	1471555	Rocker Arm (2006 Series).....	12	12
2	1653887	Rocker Arm Kit (2007 Series).....	12	12
3	1377110	Key (Valve)	24	24
4	1386194	Exhaust Valve.....	6	..
4	1482701	Exhaust Valve.....	..	6
5	1386195	Inlet Valve	6	6
6	1393127	Cap.....	12	12
7	1386197	Seal (Black) (Intake)	12	12
8	1386198	Spring	12	12
9	1460384	Seal (Orange) (Exhaust)	12	12
10	1489643	Pivot Support (Rocker Arm)	2	2

CYLINDER BLOCK (Figure 2-17) GM 4.3L GASOLINE AND LPG

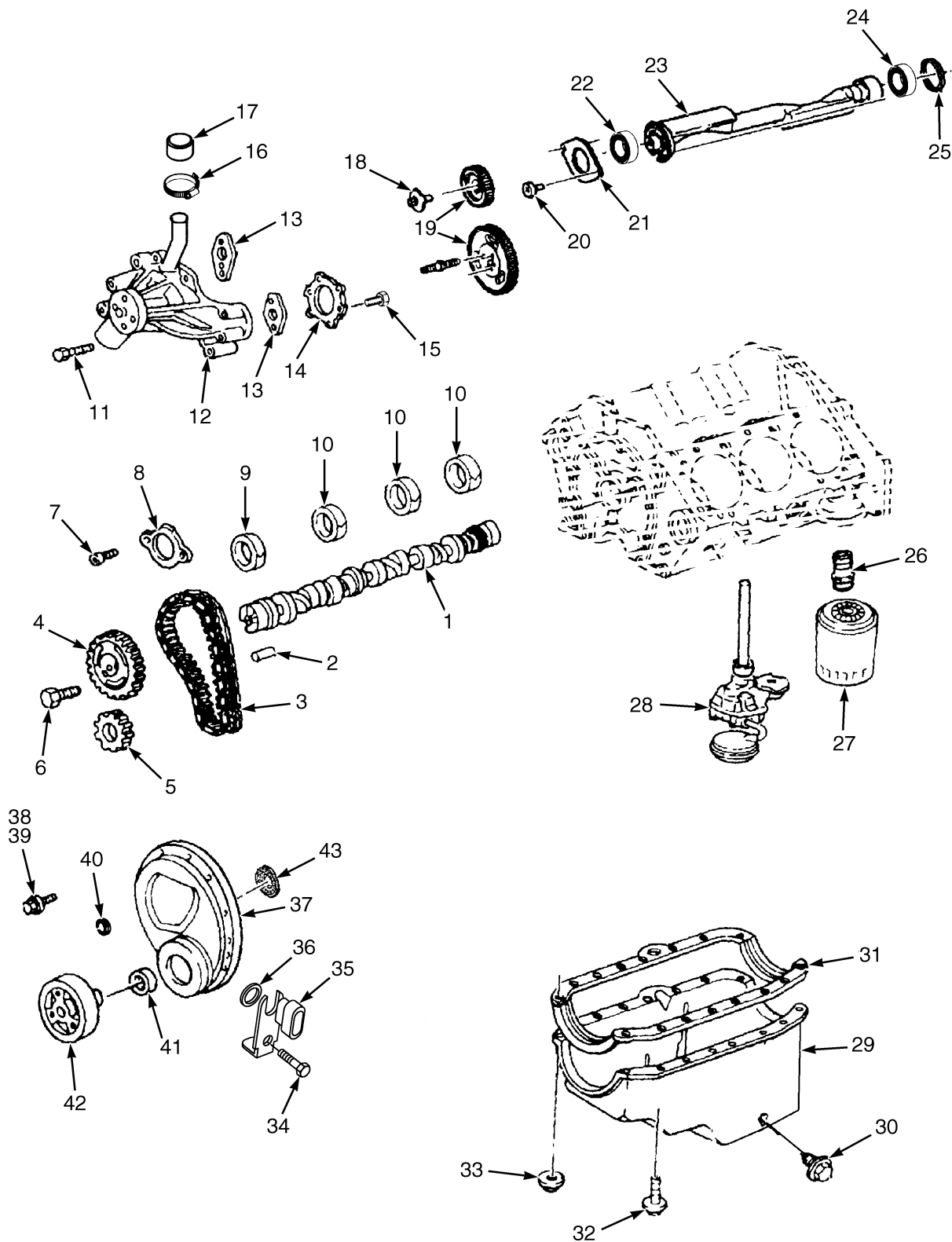


BP090113

CYLINDER BLOCK
GM 4.3L GASOLINE AND LPG

ITEM	PART NO.	DESCRIPTION	QTY
	1539198	Engine Assembly (Gasoline) (2006 Series).....	1
	1646673	Engine Assembly (Gasoline) (2007 Series).....	1
	1591677	Engine Assembly (LPG) (2006 Series).....	1
	1646674	Engine Assembly (LPG) (2007 Series).....	1
1	.....	Short Block Assembly	1
2	1390759	Piston and Pin Kit (Standard).....	6
2	1390760	Piston and Pin Kit (0.020 O/S) (0,5 mm).....	6
2	1627183	Piston and Pin Kit (0.005 in O/S)	6
3	1390761	Piston Ring Kit (Standard)	6
3	1390765	Piston Ring Kit (0.020 O/S) (0,5 mm)	6
4	1360179	Connecting Rod	6
5	1360182	Bolt.....	2
6	1330450	Nut	2
7	1390770	Bearing (Connecting Rod) (Standard)	1
8	1460386	Crankshaft.....	1
9	388302	Plug.....	3
10	263842	Bolt.....	10
11	1558807	Crankshaft Bearing Set (Standard).....	3
11	1460738	Crankshaft Bearing Set (0.020 in. O/S) (Crankshaft)	3
12	1309839	Crankshaft Bearing Set (.010 in.O/S) (Crankshaft).....	1
13	1514968	Valve	1
14	159977	Pin.....	4
15	1374313	Plug.....	1
16	1335499	Pin.....	2
17	1451319	Key	1
18	1500884	Gasket.....	1
19	388302	Plug (2006 Series)	2
19	1514267	Plug (2007 Series)	2
20	375601	Pin	1
21	1460330	Retainer Assembly	1
22	1450555	Stud.....	2
23	1460331	Seal.....	1
24	375575	Bolt	1
25	375602	Bolt	1
26	1331341	Plug	4
27	388313	Nut.....	1
	159971	Plug (Not Illustrated).....	8

CAMSHAFT AND OIL PAN (Figure 2-18) GM 4.3L GASOLINE AND LPG



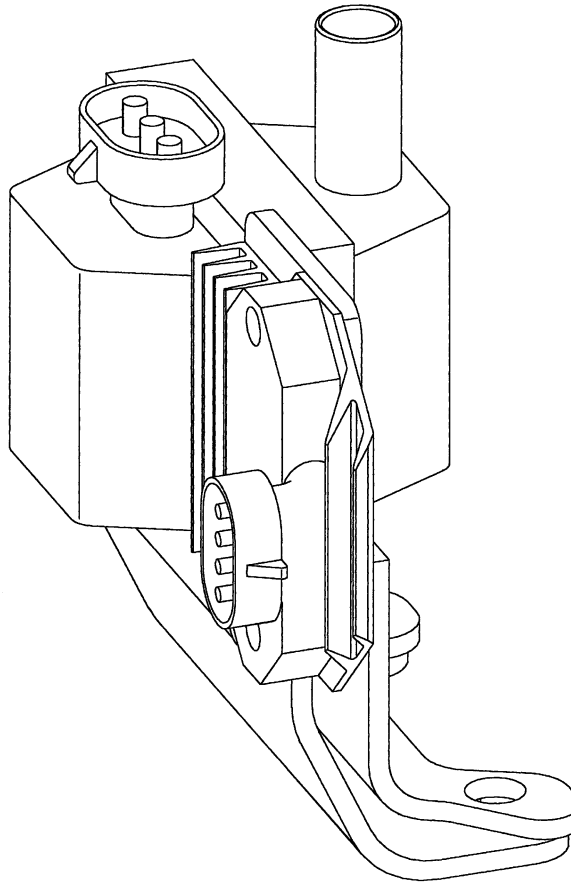
BP090277

**CAMSHAFT AND OIL PAN
GM 4.3L GASOLINE AND LPG**

ITEM	PART NO.	DESCRIPTION	QTY
	1539198	Engine Assembly (Gasoline) (2006 Series).....	1
	1646673	Engine Assembly (Gasoline) (2007 Series).....	1
	1591677	Engine Assembly (LPG) (2006 Series).....	1
	1646674	Engine Assembly (LPG) (2007 Series).....	1
1	1627196	Camshaft.....	1
2	1374297	Pin.....	1
3	1471556	Chain Kit.....	1
3	.....	Timing Chain.....	1
4	.....	Sprocket.....	1
5	.....	Sprocket.....	1
6	1374301	Bolt.....	3
7	1374299	Bolt.....	2
8	1374298	Retainer.....	1
9	1454955	Bearing.....	2
10	1454957	Bearing.....	1
11	1383257	Bolt.....	4
12	1389100	Water Pump (2006 Series).....	1
13	1653884	Water Pump (2007 Series).....	1
13	263828	Gasket.....	2
14	1460322	Gasket.....	1
15	1374108	Bolt.....	10
16	130845	Clamp.....	1
17	1383263	Cap.....	1
18	1374317	Bolt.....	6
19	1374315	Gear Kit (Balancer).....	1
20	1339963	Bolt.....	2
21	1374326	Retainer.....	1
22	1374314	Bearing.....	1
23	1377107	Shaft.....	1
24	1451321	Bearing.....	1
25	1374313	Plug.....	2
26	375587	Fitting.....	1
27	1320000	Oil Filter.....	1
28	1386176	Oil Pump (Figure 2-20).....	1
29	1471558	Oil Pan.....	1
30	1460757	Drain Plug.....	1
30	1460758	Seal.....	1
31	1386184	Gasket.....	1
32	1386183	Bolt.....	10
33	1360178	Nut.....	1
34	1514965	Bolt.....	1
35	1514963	Sensor (Crankshaft Position).....	1
36	1514964	O-Ring.....	1
37	1585183	Engine Cover (Front Cover).....	1
37	1654480	Bracket.....	1
37	1654481	Shoe.....	1
38	1386179	Bolt.....	4
39	1377103	Bolt.....	2
40	1389092	Grommet.....	6
41	1377104	Seal.....	1
42	1627199	Damper.....	1

**CAMSHAFT AND OIL PAN
GM 4.3L GASOLINE AND LPG**

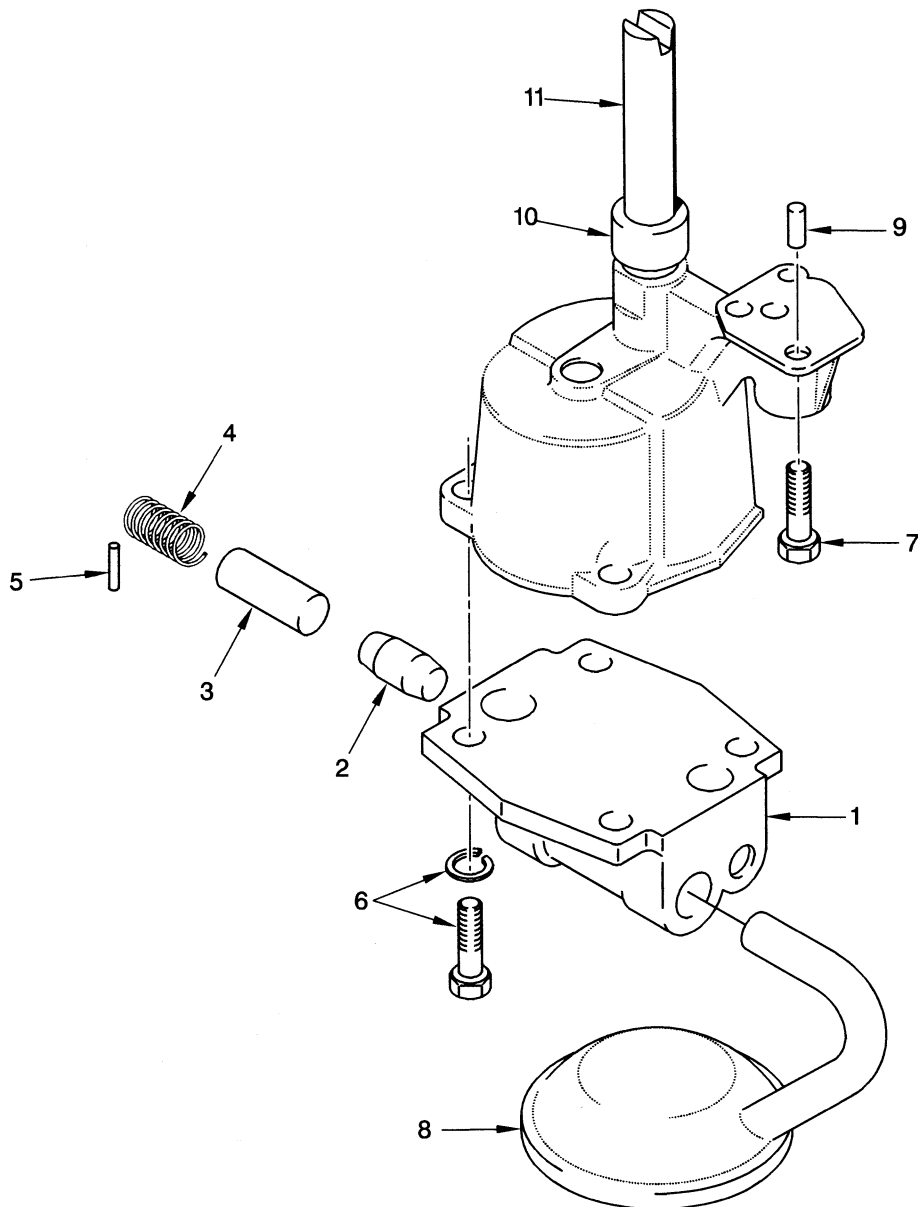
ITEM	PART NO.	DESCRIPTION	QTY
43	1514962	O-Ring (Crankshaft Position).....	1
	263827	Stud (not illustrated)	1

COIL ASSEMBLY (Figure 2-19)
GM 4.3L GASOLINE AND LPG

BP090140

ITEM	PART NO.	DESCRIPTION	QTY
	1564670	Coil Assembly	1
	1578517	Bracket	1
	1371237	Bolt	4
	1578518	Module.....	1
	1578519	Heatsink	1
	1578520	Screw	2
	1578521	Coil	1
	1374323	Nut.....	1
	1578522	Bracket	1

OIL PUMP (Figure 2-20) GM 4.3L GASOLINE AND LPG



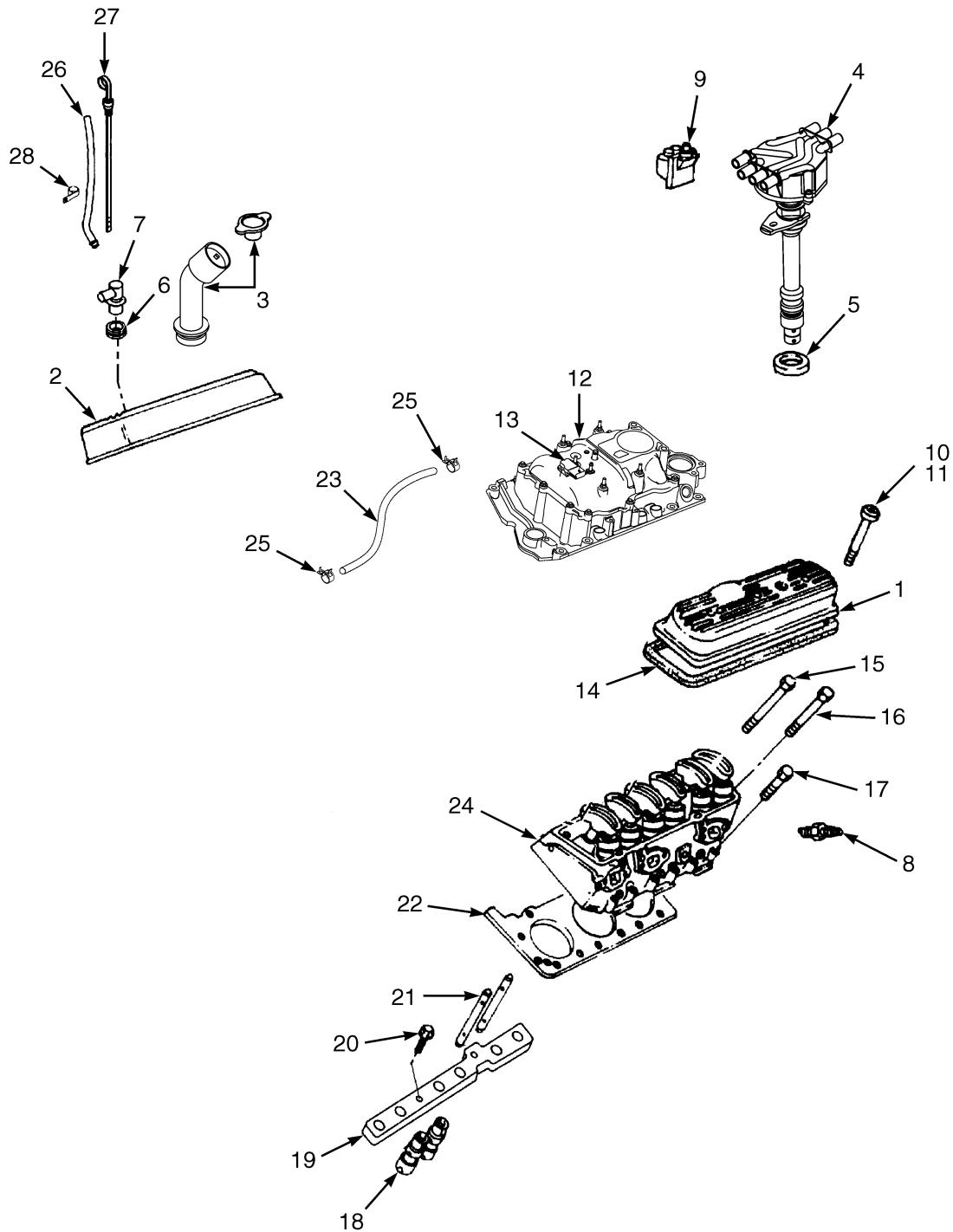
HP090044

OIL PUMP

GM 4.3L GASOLINE AND LPG

ITEM	PART NO.	DESCRIPTION	QTY
	1539198	Engine Assembly (Gasoline) (2006 Series).....	1
	1646673	Engine Assembly (Gasoline) (2007 Series).....	1
	1591677	Engine Assembly (LPG) (2006 Series).....	1
	1646674	Engine Assembly (LPG) (2007 Series).....	1
	1386176	Oil Pump.....	1
1	1374319	Cover.....	1
2	1338223	Stop	1
3	268573	Regulator Valve	1
4	1374320	Spring	1
5	1330453	Pin.....	1
6	1333541	Screw and Lockwasher	2
7	388306	Bolt	1
8	1386177	Screen	1
9	1450941	Pin	2
10	263795	Retainer.....	1
11	263794	Shaft.....	1

VALVE COVER AND INLET MANIFOLD (Figure 2-21) GM 4.3L GASOLINE AND LPG

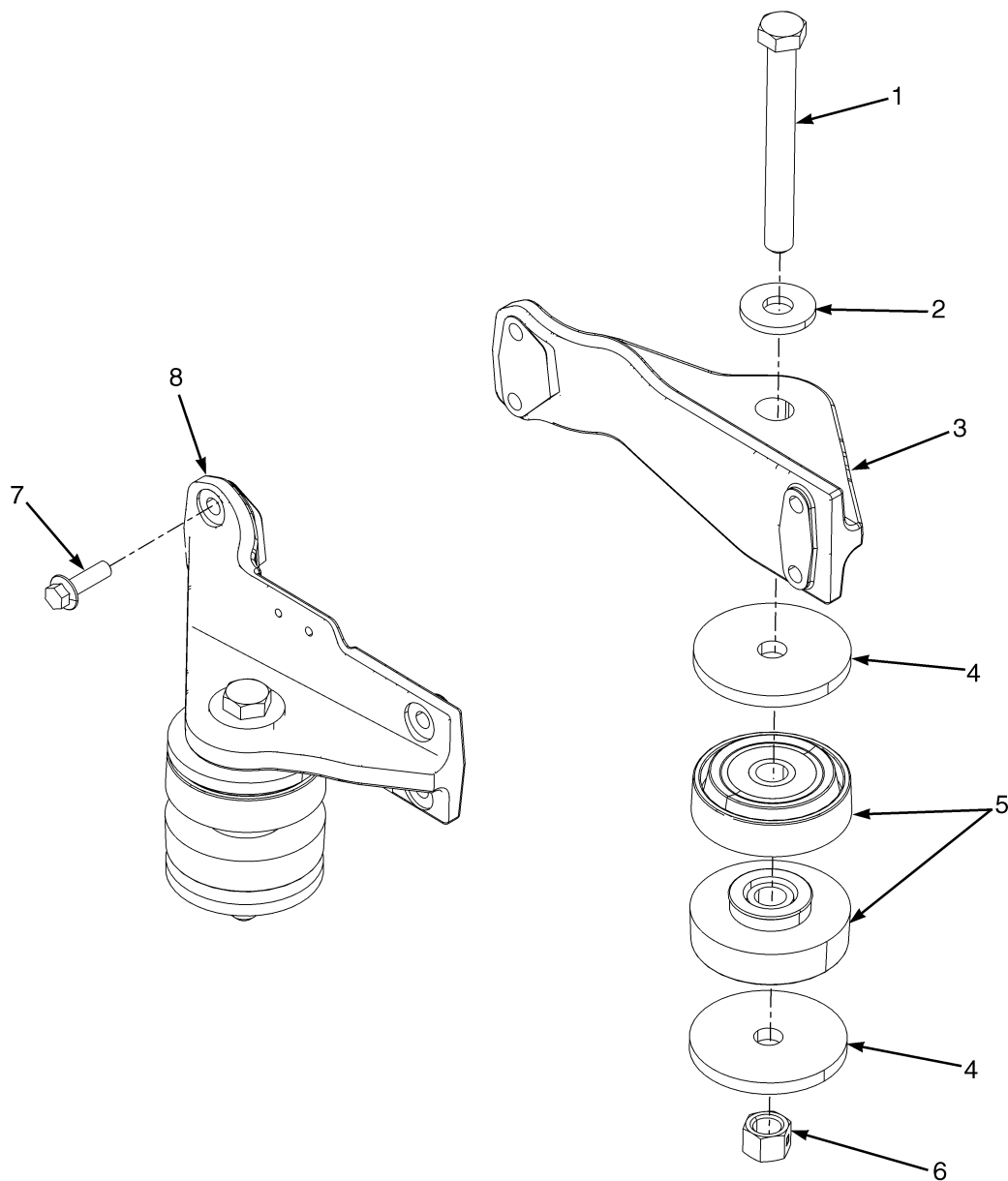


BP090278

**VALVE COVER AND INLET MANIFOLD
GM 4.3L GASOLINE AND LPG**

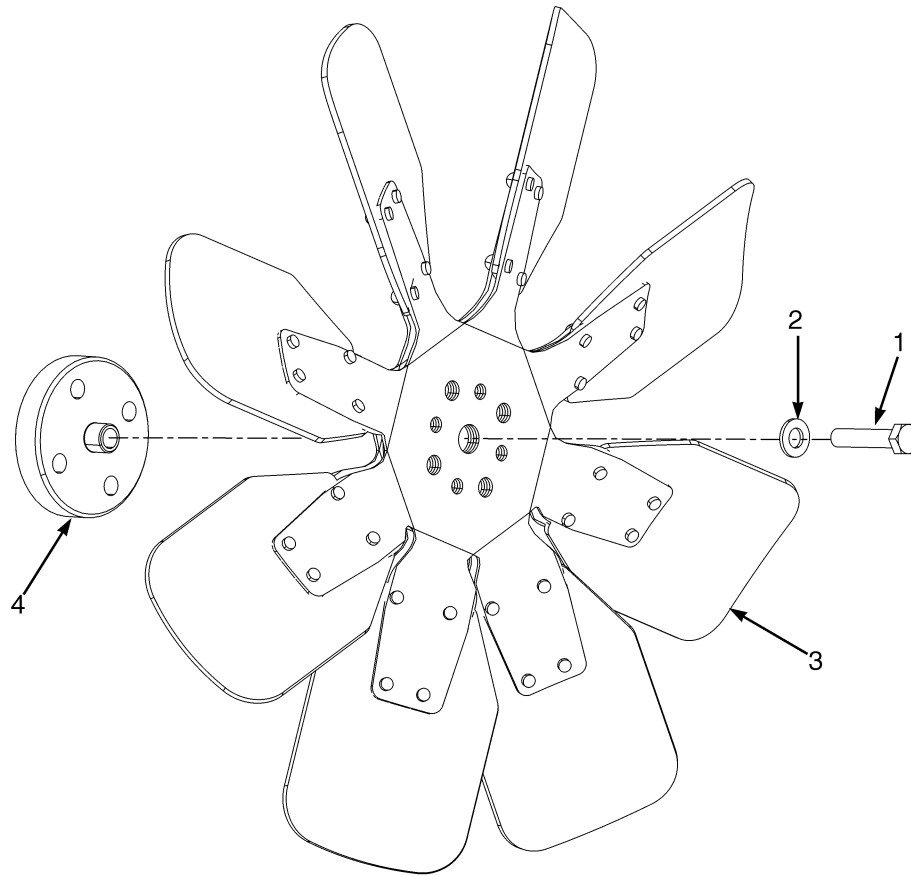
ITEM	PART NO.	DESCRIPTION	QTY
	1539198	Engine Assembly (Gasoline) (2006 Series).....	1
	1646673	Engine Assembly (Gasoline) (2007 Series).....	1
	1591677	Engine Assembly (LPG) (2006 Series).....	1
	1646674	Engine Assembly (LPG) (2007 Series).....	1
1	1597705	Valve Cover (LH)	1
2	1389102	Valve Cover (RH).....	1
3	1552141	Oil Filler	1
3	1374290	Cap.....	1
4	1559695	Distributor	1
5	1334423	Gasket	1
6	1374288	Grommet	3
7	379407	Fitting.....	1
8	1641492	Spark Plug.....	6
9	1564670	Coil Assembly.....	1
10	1383904	Grommet	6
11	1374289	Bolt	6
12	1627350	Intake Manifold (Lower)	1
12	1627351	Intake Manifold (Upper) (2006 Series)	1
12	1653886	Intake Manifold (Upper) (2007 Series)	1
13	1559567	Sensor (TMAP).....	1
14	1374293	Gasket	2
15	1377792	Bolt	10
16	1377793	Bolt	4
17	1377794	Bolt	10
18	1471559	Lifter Assembly.....	12
19	1389050	Guide.....	2
20	1389051	Bolt	2
21	1386189	Push Rod.....	12
22	1386190	Gasket	1
23	1627354	Hose	1
24	1471557	Cylinder Head (Gasoline).....	1
24	1553964	Cylinder Head (LPG)(2006 Series)	1
24	1653888	Cylinder Head (LPG) (2007 Series)	1
25	1471560	Clamp	2
26	1514915	Tube (2006 Series)	1
26	1652034	Tube (2007 Series).....	1
27	1510649	Dipstick.....	1
28	133696	Clamp	1
	1386187	Gasket Set (Intake Manifold)	1

ENGINE MOUNTING (Figure 2-22) CUMMINS 4.5L DIESEL



BP090285

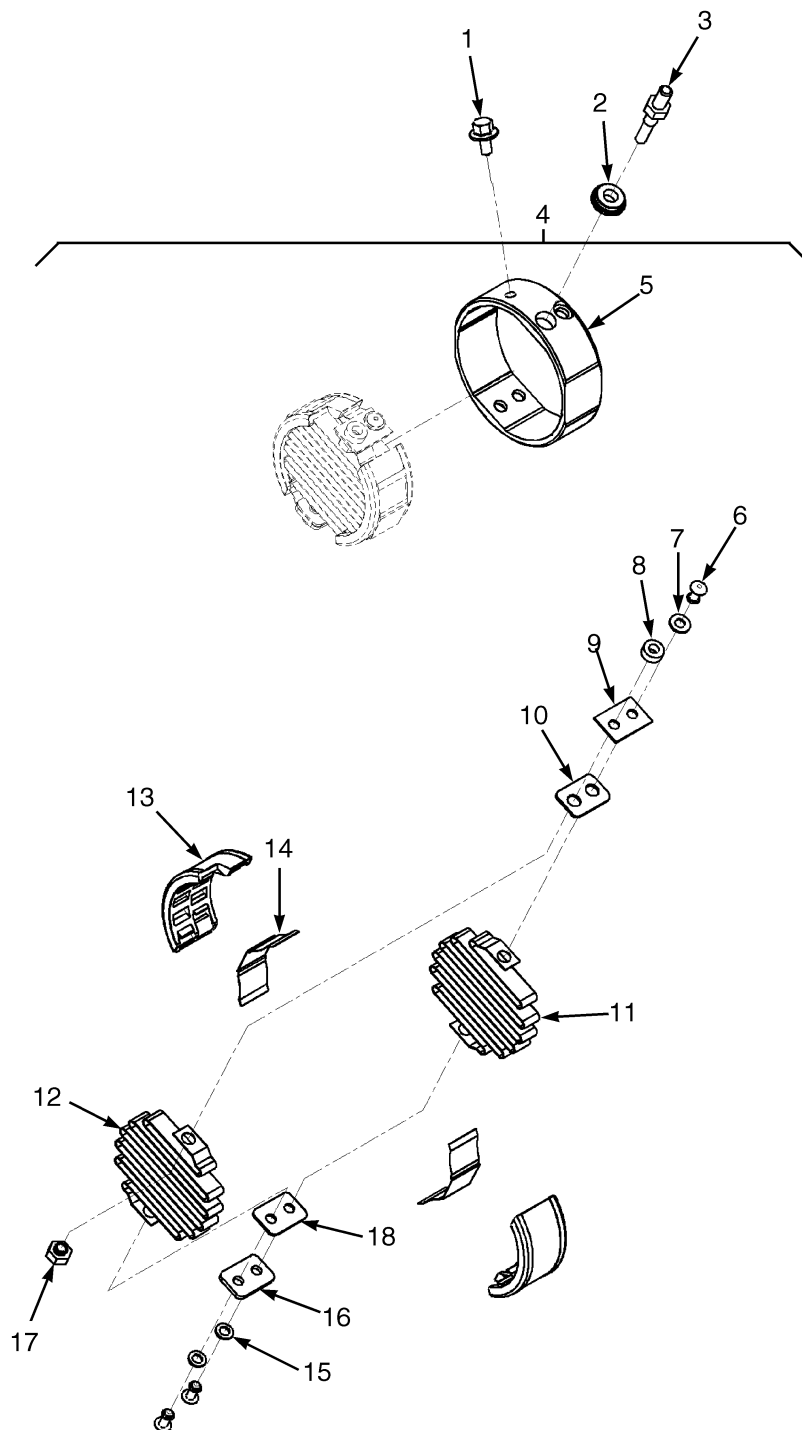
ITEM	PART NO.	DESCRIPTION	QTY
	1501931	Engine Assembly (Cummins 4.5L)	1
1	293721	Capscrew	2
2	1605069	Washer	2
3	1501927	Mount (RH)	1
4	1597854	Washer	4
5	2092694	Isolator	4
6	1605068	Nut	2
7	1566853	Capscrew	8
8	1501926	Mount (LH)	1

FAN ASSEMBLY (Figure 2-23)
CUMMINS 4.5L DIESEL

BP090286

ITEM	PART NO.	DESCRIPTION	QTY
	1501931	Engine Assembly (Cummins 4.5L)	1
1	293633	Capscrew	4
2	296420	Washer	4
3	2085641	Fan	1
4	1583743	Spacer	1

AIR HEATER STARTING AID (Figure 2-24) CUMMINS 4.5L DIESEL

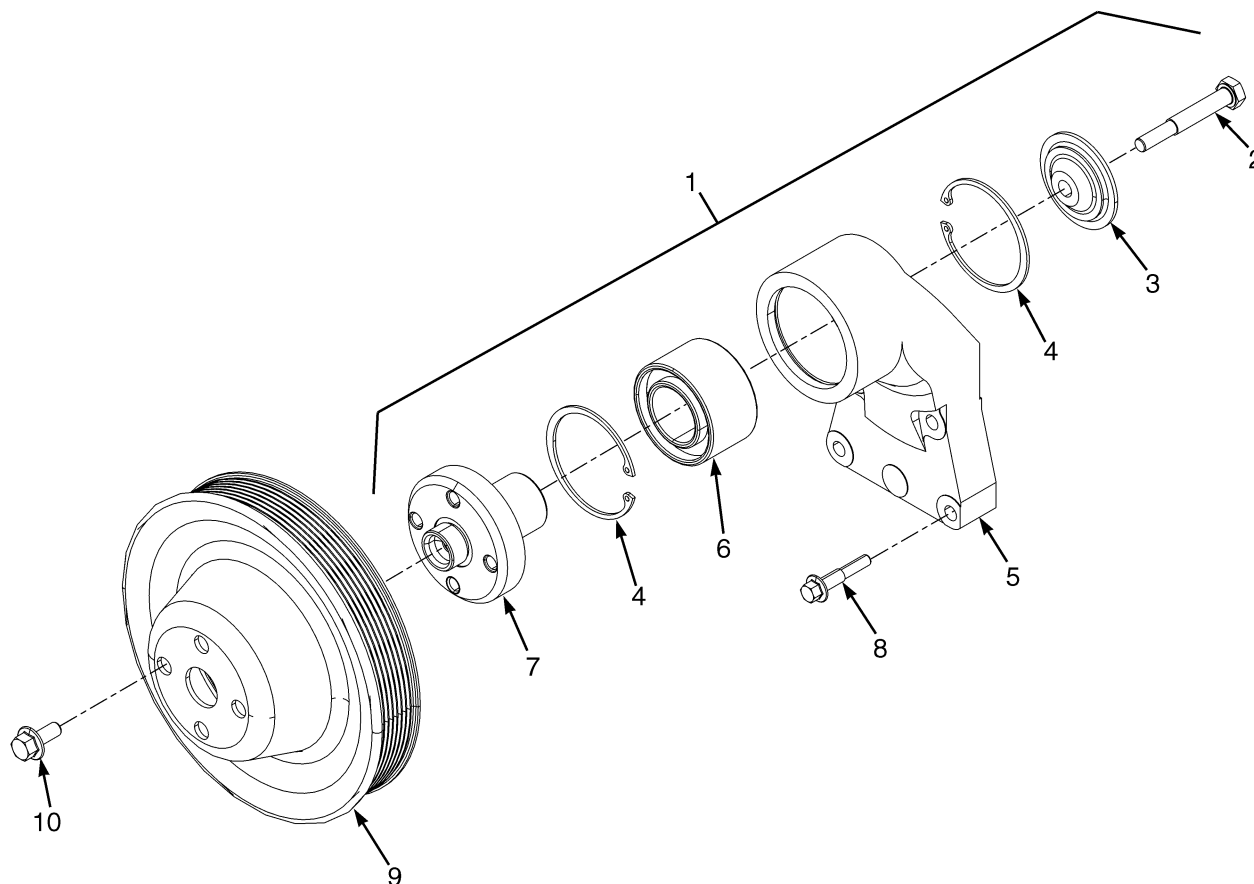


BP090349

**AIR HEATER STARTING AID
CUMMINS 4.5L DIESEL**

ITEM	PART NO.	DESCRIPTION	QTY
	1501931	Engine Assembly (Cummins 4.5L)	1
1	1513836	Capscrew	1
2	1635363	Retainer.....	1
3	1635341	Terminal.....	1
4	1648577	Starting Aid Assembly	1
5	1648578	Housing	1
6	.....	Rivet.....	3
7	1648584	Washer (Insulating)	1
8	1648583	Washer (Insulating)	1
9	1648587	Washer.....	1
10	1648589	Retainer	3
11	1648579	Element.....	1
12	1648580	Element.....	2
13	1648581	Retainer	2
14	1648582	Leaf Spring.....	2
15	1648590	Washer.....	1
16	1648586	Washer.....	1
17	1648585	Adapter	1
18	1648588	Washer (Insulating)	1

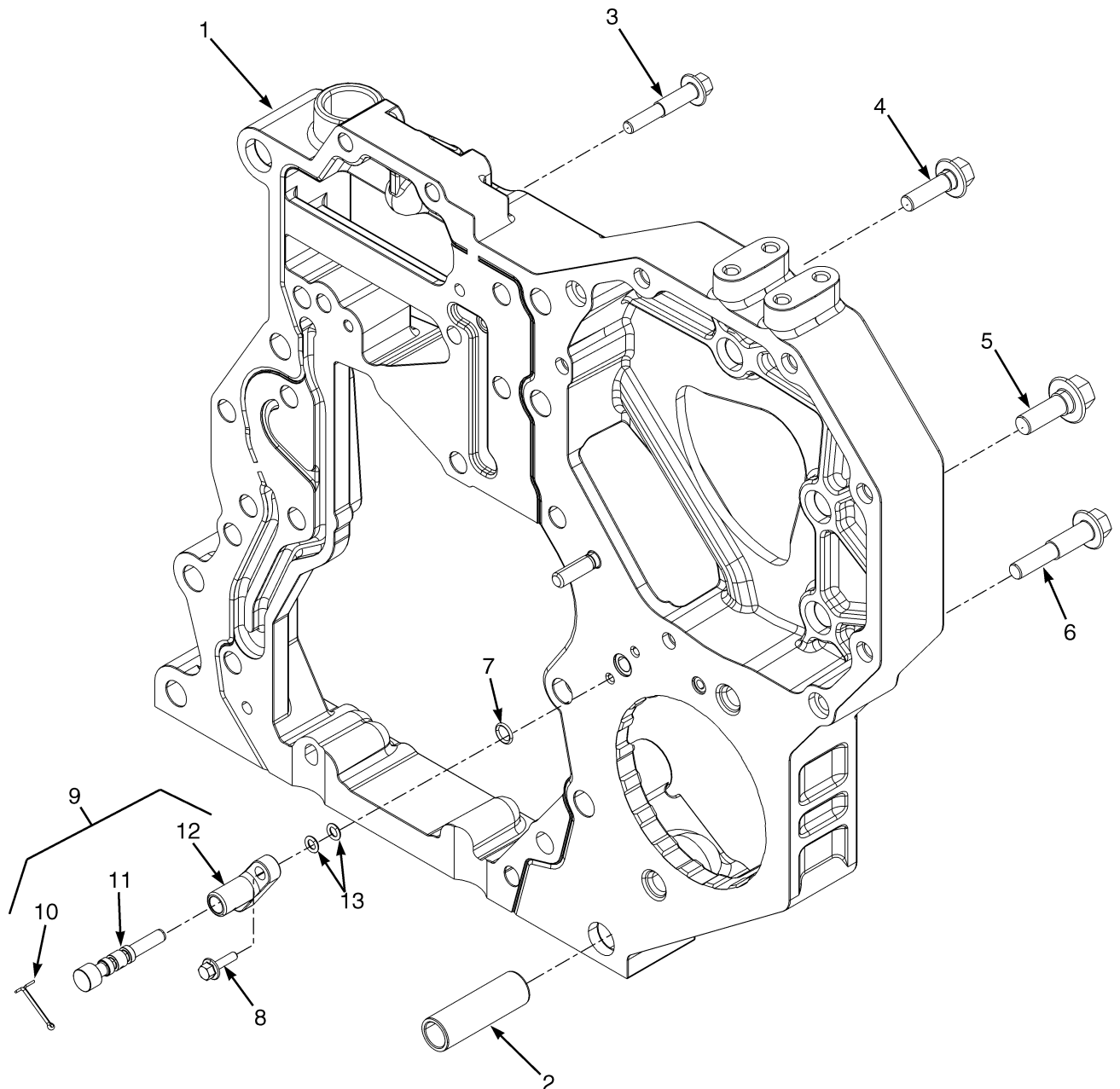
DIESEL ENGINE ASSEMBLY (Figure 2-25) FAN DRIVE AND MOUNTING CUMMINS 4.5L



BP090296

ITEM	PART NO.	DESCRIPTION	QTY
	1501931	Engine Assembly (Cummins 4.5L)	1
1	1512014	Fan Support	1
2	1512027	Capscrew	1
3	1512025	Retainer	1
4	1512026	Retaining Ring	2
5	.....	Support	1
6	1512015	Ball Bearing	1
7	1512024	Hub (Fan)	1
8	1512029	Capscrew	4
9	1635258	Pulley	1
10	1512328	Capscrew	4

DIESEL ENGINE ASSEMBLY (Figure 2-26)
REAR GEAR HOUSING
CUMMINS 4.5L

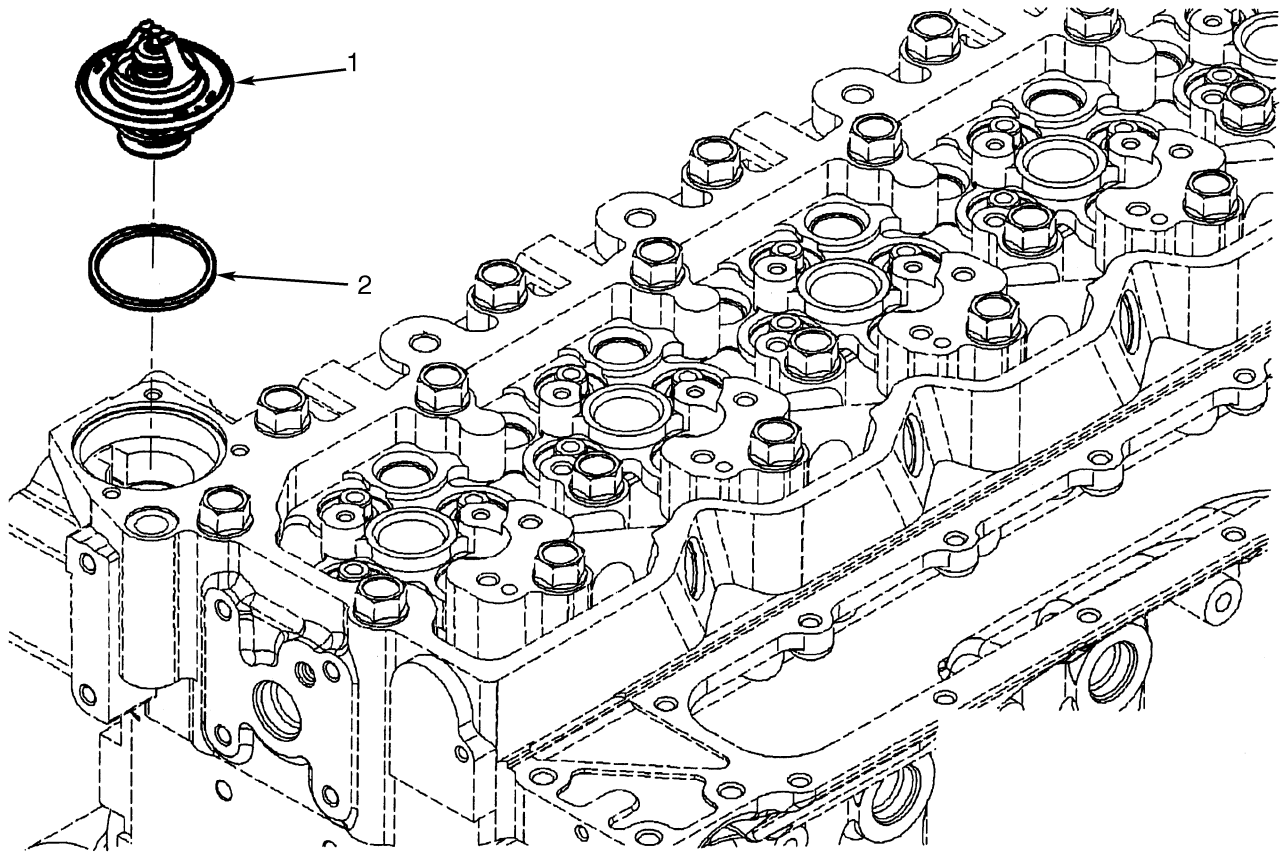


BP090288

DIESEL ENGINE ASSEMBLY REAR GEAR HOUSING CUMMINS 4.5L

ITEM	PART NO.	DESCRIPTION	QTY
	1501931	Engine Assembly (Cummins 4.5L)	1
1	.....	Housing	1
2	1635270	Dowel	2
3	1512111	Capscrew	2
4	1511977	Capscrew	2
5	1511953	Capscrew	1
6	1635260	Capscrew	3
7	1517011	Seal Ring.....	1
8	1638701	Capscrew	1
9	.....	Timing Pin Assembly.....	1
10	1639275	Cotter Pin	1
11	.....	Pin.....	1
12	.....	Housing.....	1
13	1639274	Seal.....	2

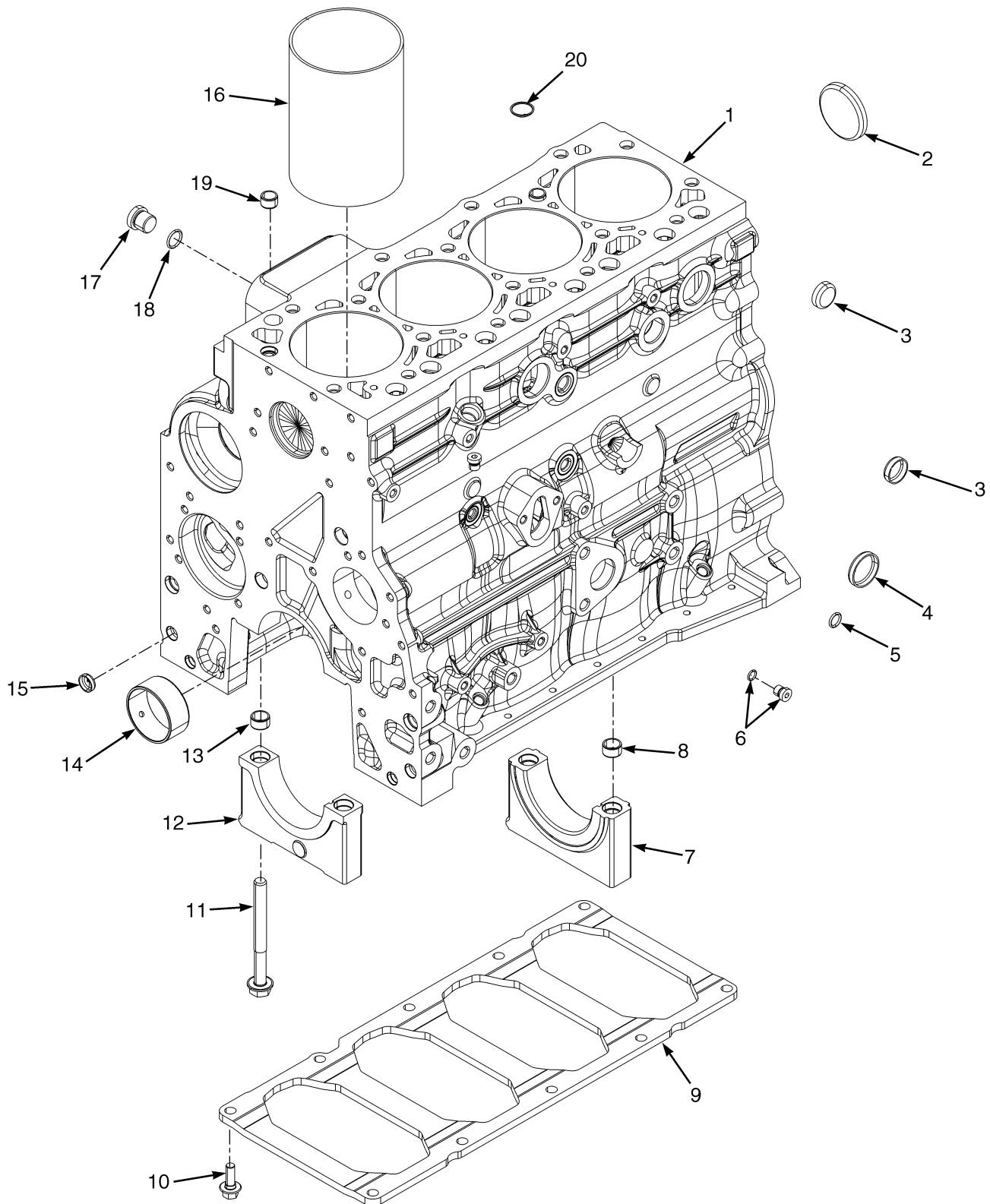
DIESEL ENGINE ASSEMBLY (Figure 2-27) **THERMOSTAT** **CUMMINS 4.5L**



HP090893

ITEM	PART NO.	DESCRIPTION	QTY
	1501931	Engine Assembly (Cummins 4.5L)	1
1	1637803	Thermostat Assembly	1
2	1552716	Seal Ring	1

DIESEL ENGINE ASSEMBLY (Figure 2-28) CYLINDER BLOCK CUMMINS 4.5L

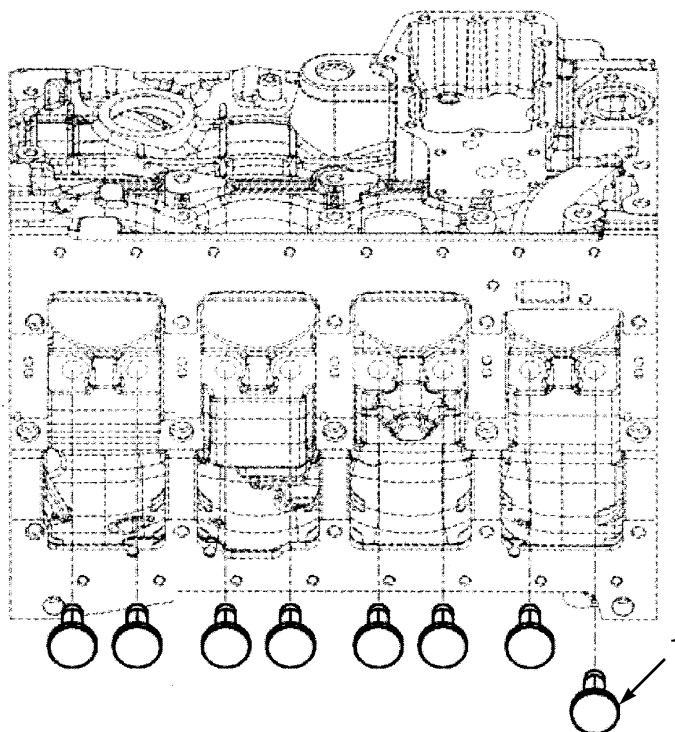


BP090303

DIESEL ENGINE ASSEMBLY CYLINDER BLOCK CUMMINS 4.5L

ITEM	PART NO.	DESCRIPTION	QTY
	1501931	Engine Assembly (Cummins 4.5L)	1
1	.....	Cylinder Block	1
2	1618178	Expansion Plug	4
3	1512585	Expansion Plug	3
4	1513788	Expansion Plug	3
5	1517119	Seal Ring	1
6	1517010	Plug Assembly	1
6	1517011	Seal Ring	1
7	1635308	Cap (Main Bearing).....	1
8	1521685	Dowel Ring	4
9	1637774	Stiffener.....	1
10	1512503	Capscrew	10
11	1521683	Capscrew	14
12	1635307	Cap (Main Bearing).....	6
13	1521685	Dowel Ring	2
14	1521682	Bushing	2
15	1512304	Expansion Plug	3
16	1585284	Sleeve	AR
17	1515897	Plug.....	2
18	1515898	O-Ring	1
19	1521691	Dowel Ring.....	2
20	1514339	Expansion Plug	1

DIESEL ENGINE ASSEMBLY (Figure 2-29) VALVE TAPPETS CUMMINS 4.5L

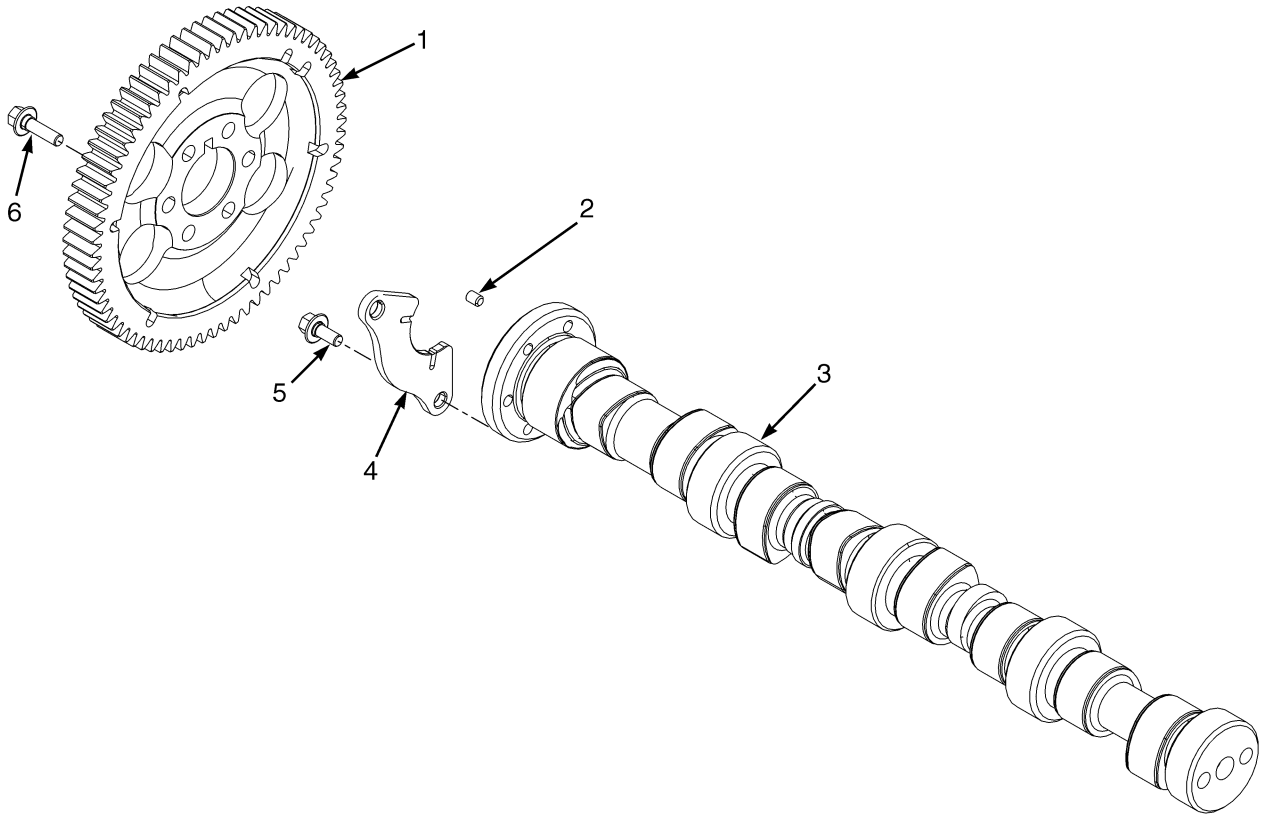


BP090304

ITEM	PART NO.	DESCRIPTION	QTY
1	1501931	Engine Assembly (Cummins 4.5L)	1
	1513734	Valve (Tappet).....	8

DIESEL ENGINE ASSEMBLY (Figure 2-30)

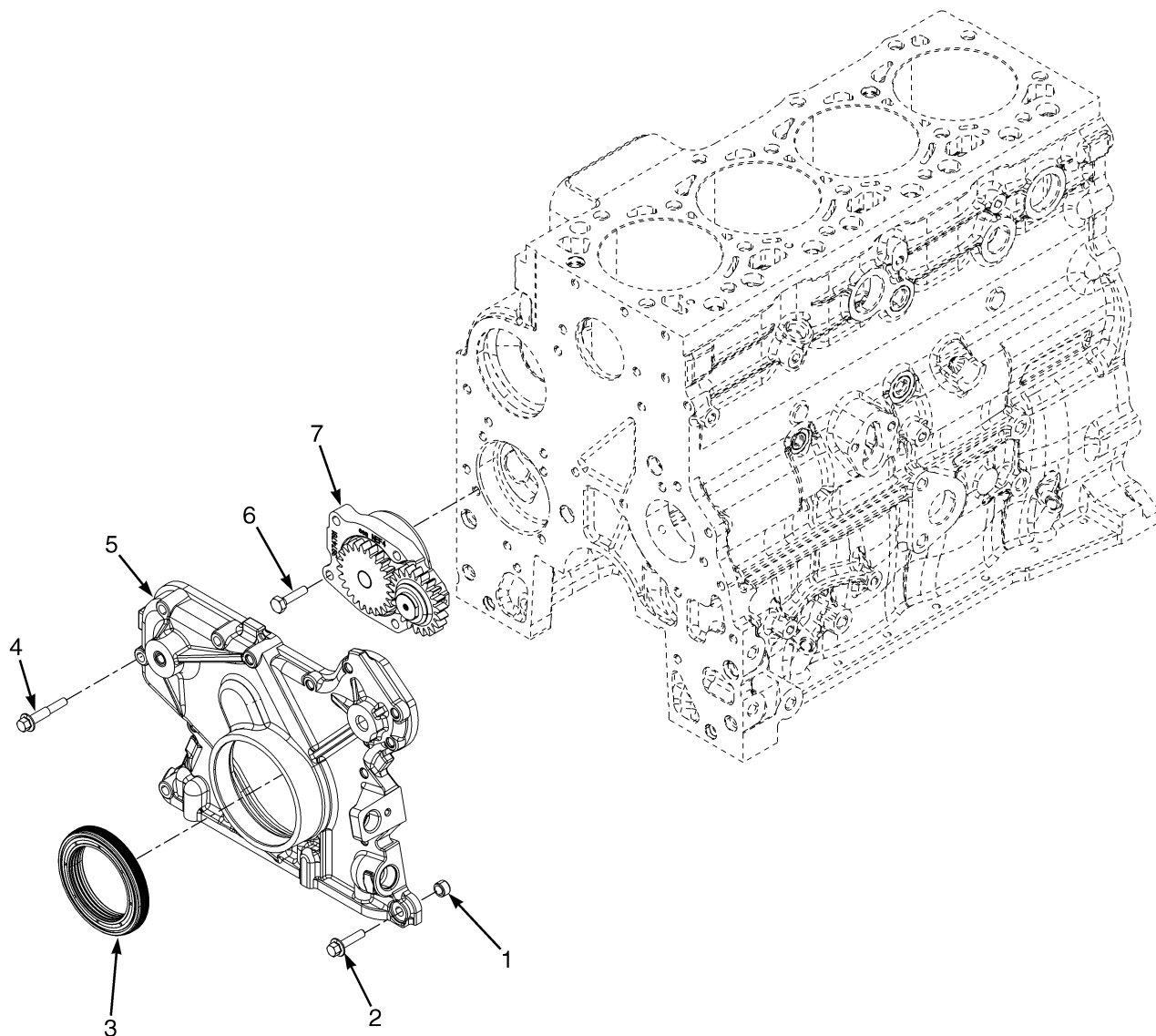
CAMSHAFT CUMMINS 4.5L



BP0990302

ITEM	PART NO.	DESCRIPTION	QTY
	1501931	Engine Assembly (Cummins 4.5L)	1
1	1637874	Gear (Camshaft).....	1
2	1514346	Dowel Pin	1
3	1637875	Camshaft	1
4	1635369	Thrust Support	1
5	1513749	Capscrew	2
6	1597807	Capscrew (Flange)	6

DIESEL ENGINE ASSEMBLY (Figure 2-31) OIL PUMP AND FRONT GEAR COVER CUMMINS 4.5L

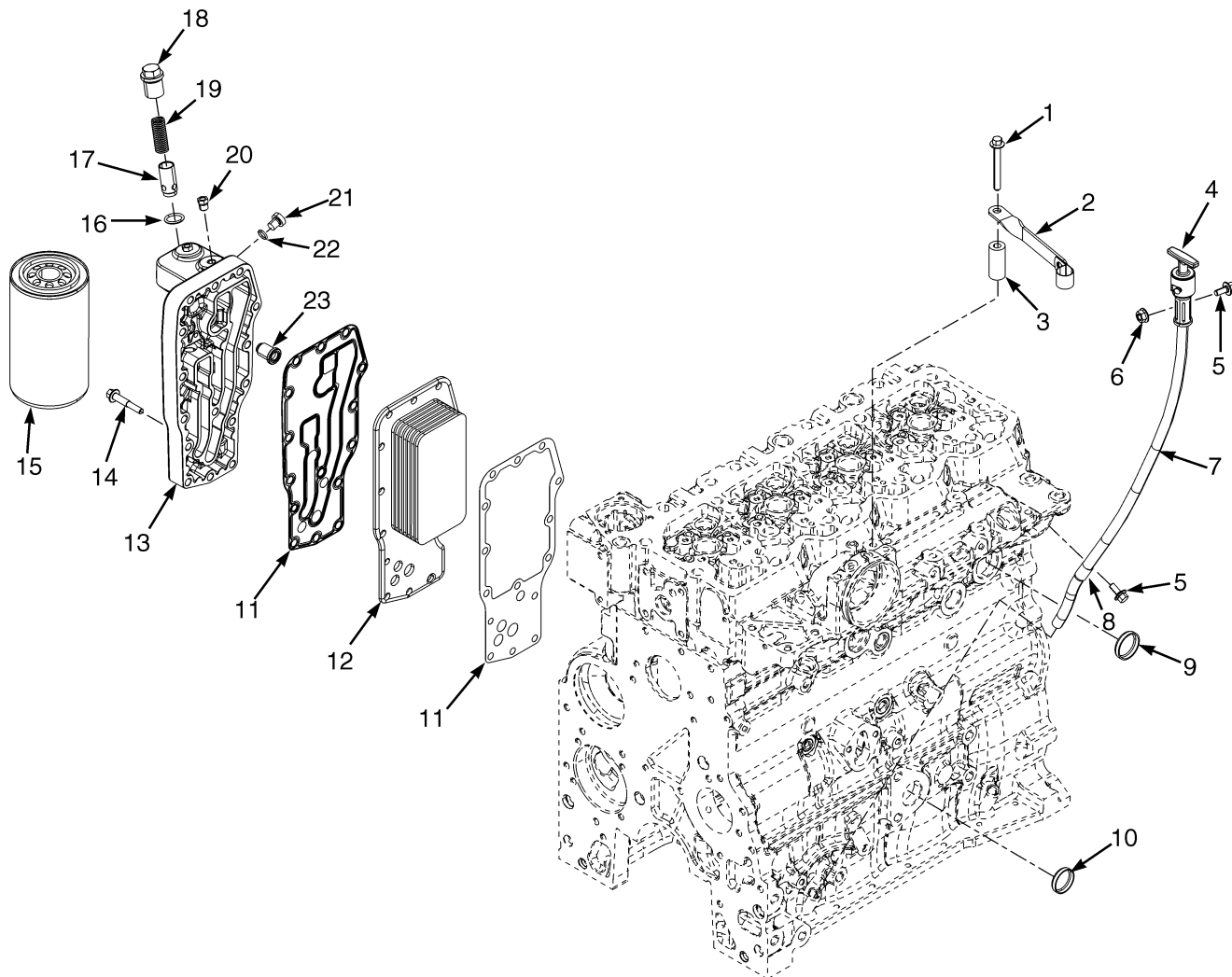


BP090300

**DIESEL ENGINE ASSEMBLY
OIL PUMP AND FRONT GEAR COVER
CUMMINS 4.5L**

ITEM	PART NO.	DESCRIPTION	QTY
	1501931	Engine Assembly (Cummins 4.5L)	1
1	1637841	Dowel	2
2	1512423	Capscrew	8
3	1635350	Oil Seal.....	1
4	1512111	Capscrew	5
5	1637842	Cover.....	1
6	1512456	Capscrew	4
7	1637860	Oil Pump.....	1

DIESEL ENGINE ASSEMBLY (Figure 2-32) LUBRICATION SYSTEM CUMMINS 4.5L



BP090301

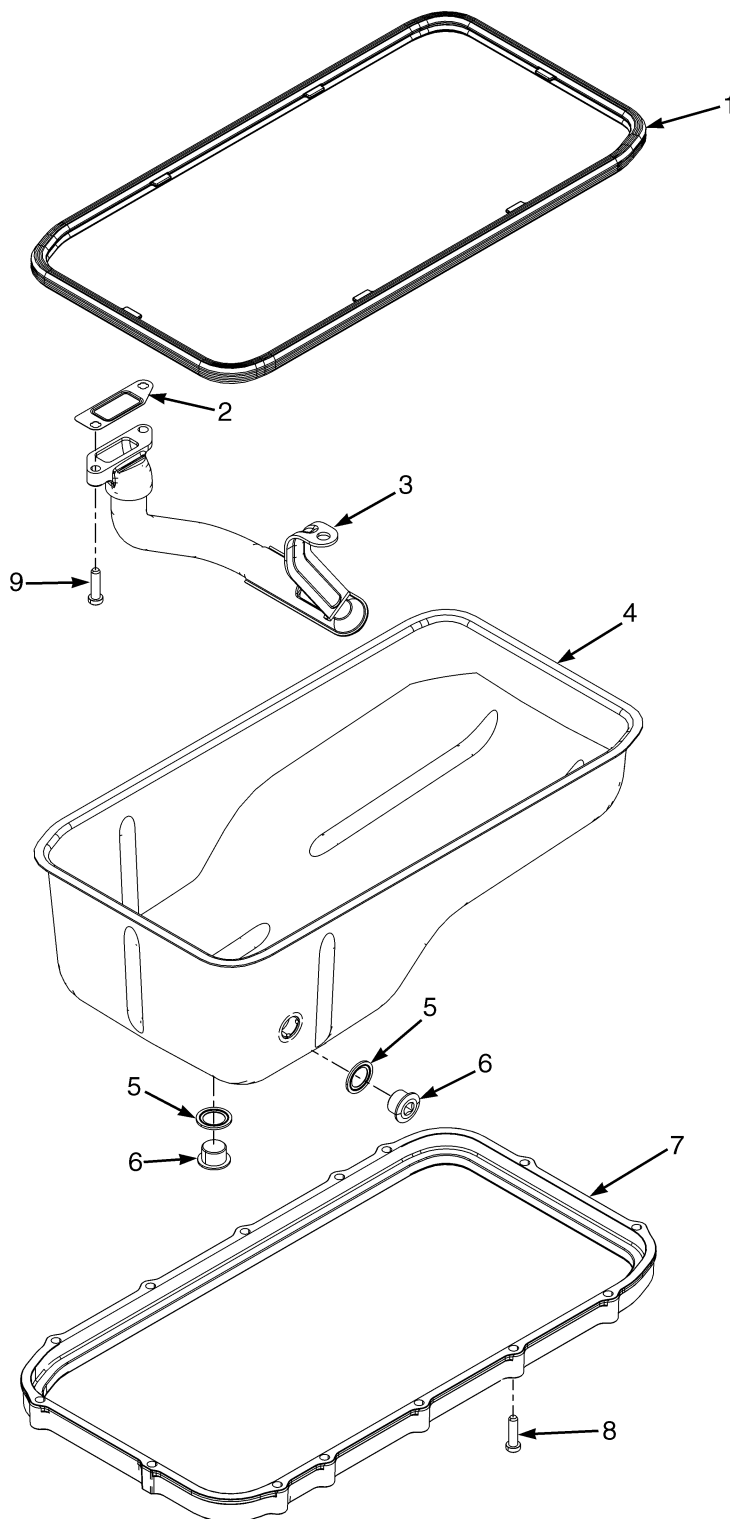
DIESEL ENGINE ASSEMBLY LUBRICATION SYSTEM CUMMINS 4.5L

ITEM	PART NO.	DESCRIPTION	QTY
	1501931	Engine Assembly (Cummins 4.5L)	1
1	1553781	Capscrew	1
2	1638699	Brace	1
3	1638423	Spacer	1
4	1637857	Dipstick	1
5	1511970	Capscrew	3
6	1513712	Nut	2
7	1637858	Tube (Dipstick)	1
8	1513776	Clip	1
9	1513788	Expansion Plug	1
10	1521694	Expansion Plug	1
11	1635458	Gasket Kit	1
12	1637854	Core (Oil Cooler)	1
13	1637852	Filter Head	1
14	1512111	Capscrew	15
15	1524551	Filter Element	1
16	1512118	O-Ring	1
17	1637851	Plunger	1
18	1637850	Plug	1
19	1512112	Spring	1
20	1512448	Plug	2
21	1517068	Plug	1
22	1517069	Seal	1
23	1513772	Valve (Pressure Relief)	1
	a 1512130	Plug	3

FOOTNOTES:

a Not Illustrated

DIESEL ENGINE ASSEMBLY (Figure 2-33) OIL PAN CUMMINS 4.5L

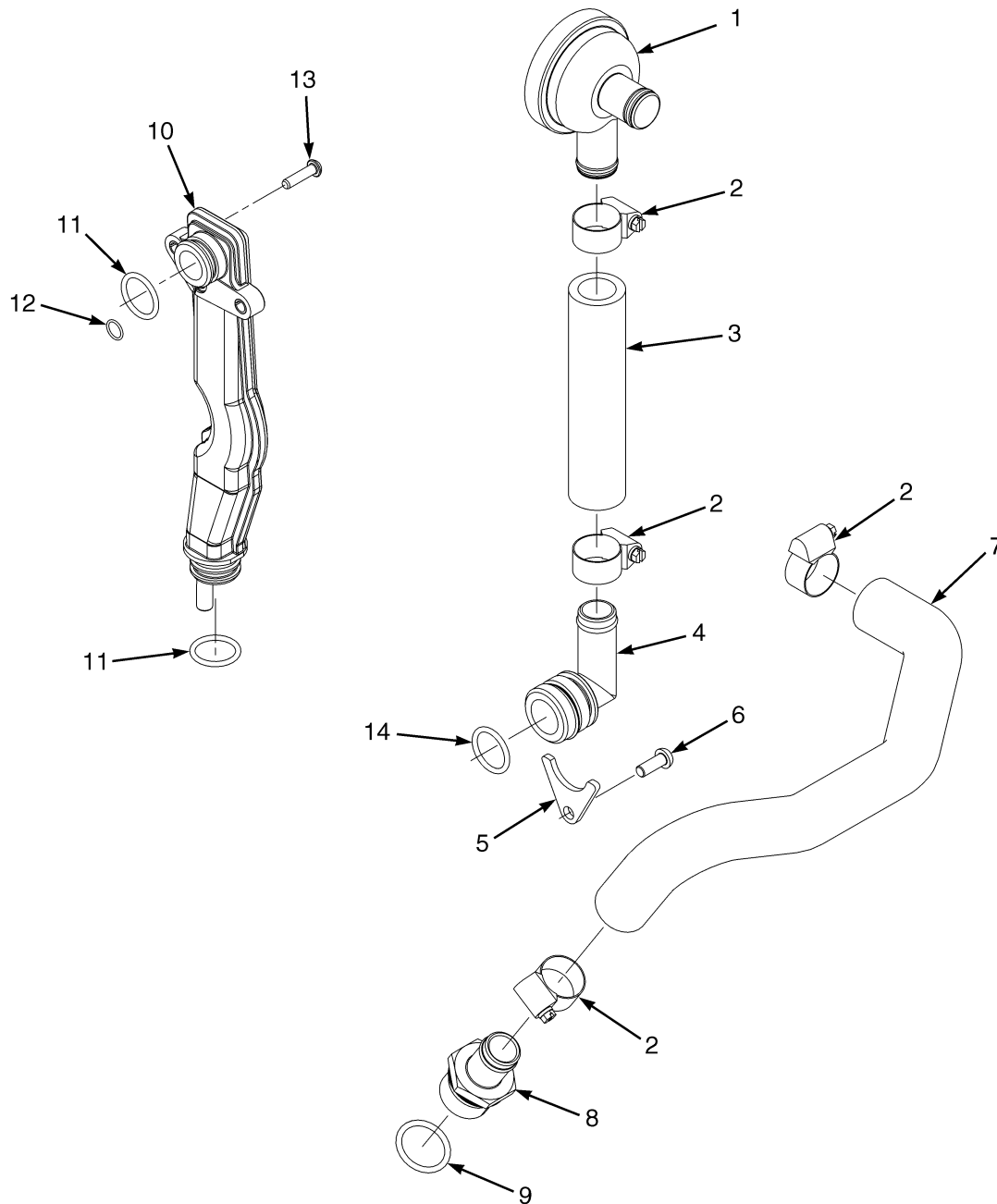


BP090295

**DIESEL ENGINE ASSEMBLY
OIL PAN
CUMMINS 4.5L**

ITEM	PART NO.	DESCRIPTION	QTY
	1501931	Engine Assembly (Cummins 4.5L)	1
1	1637863	Gasket	1
2	1635375	Gasket	1
3	1637861	Tube	1
4	1637864	Oil Pan	1
5	1635234	Washer	2
6	1635233	Plug	2
7	1637862	Adapter	1
8	1565007	Capscrew	14
9	1635225	Capscrew	2

DIESEL ENGINE ASSEMBLY (Figure 2-34) CRANKCASE BREATHER CUMMINS 4.5L



BP090321

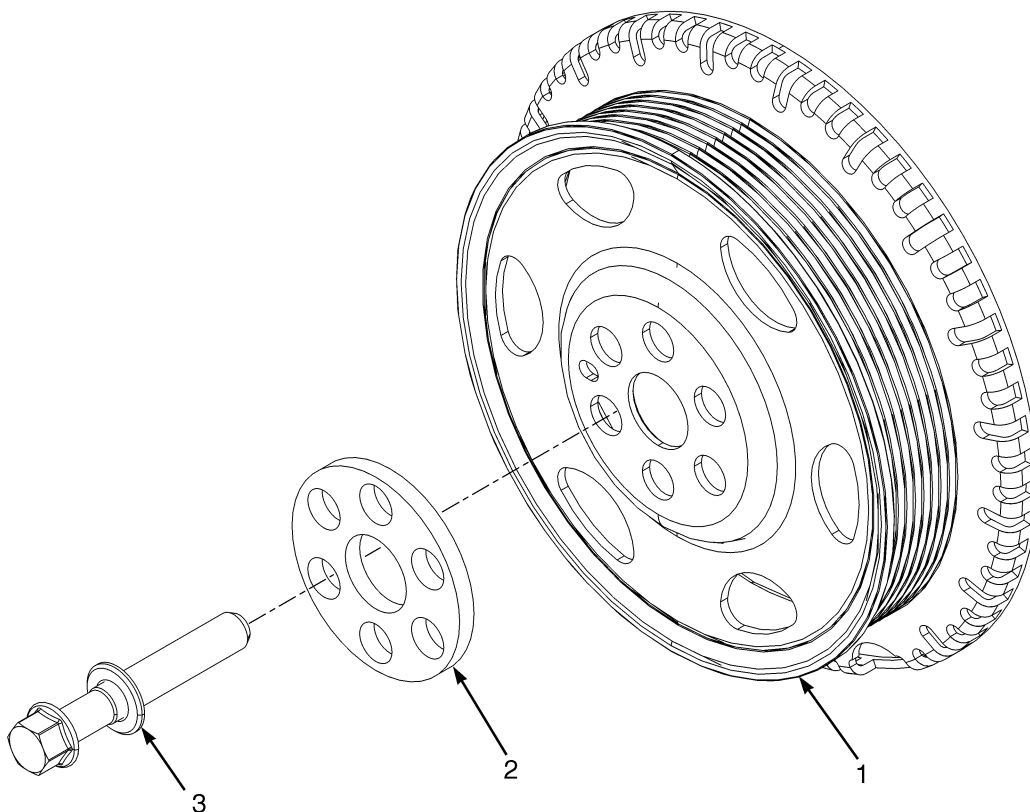
DIESEL ENGINE ASSEMBLY CRANKCASE BREATHER CUMMINS 4.5L

ITEM	PART NO.	DESCRIPTION	QTY
	1501931	Engine Assembly (Cummins 4.5L)	1
1	1637792	Pressure Regulating Valve	1
2	1637791	Clamp	4
3	1637799	Hose	1
4	1635286	Breather (Crankcase)	1
5	1635382	Clamping Plate	1
6	1635383	Capscrew	1
7	1637798	Hose	1
8	1637796	Union Assembly	1
9	1511988	O-Ring.....	1
10	1635298	Breather Tube assembly.....	1
11	1635281	O-Ring.....	2
12	1635227	O-Ring.....	1
13	1637795	Capscrew	1
14	1632984	O-Ring	1
	a 1635259	Hose Clamp.....	1

FOOTNOTES:

a Not Illustrated

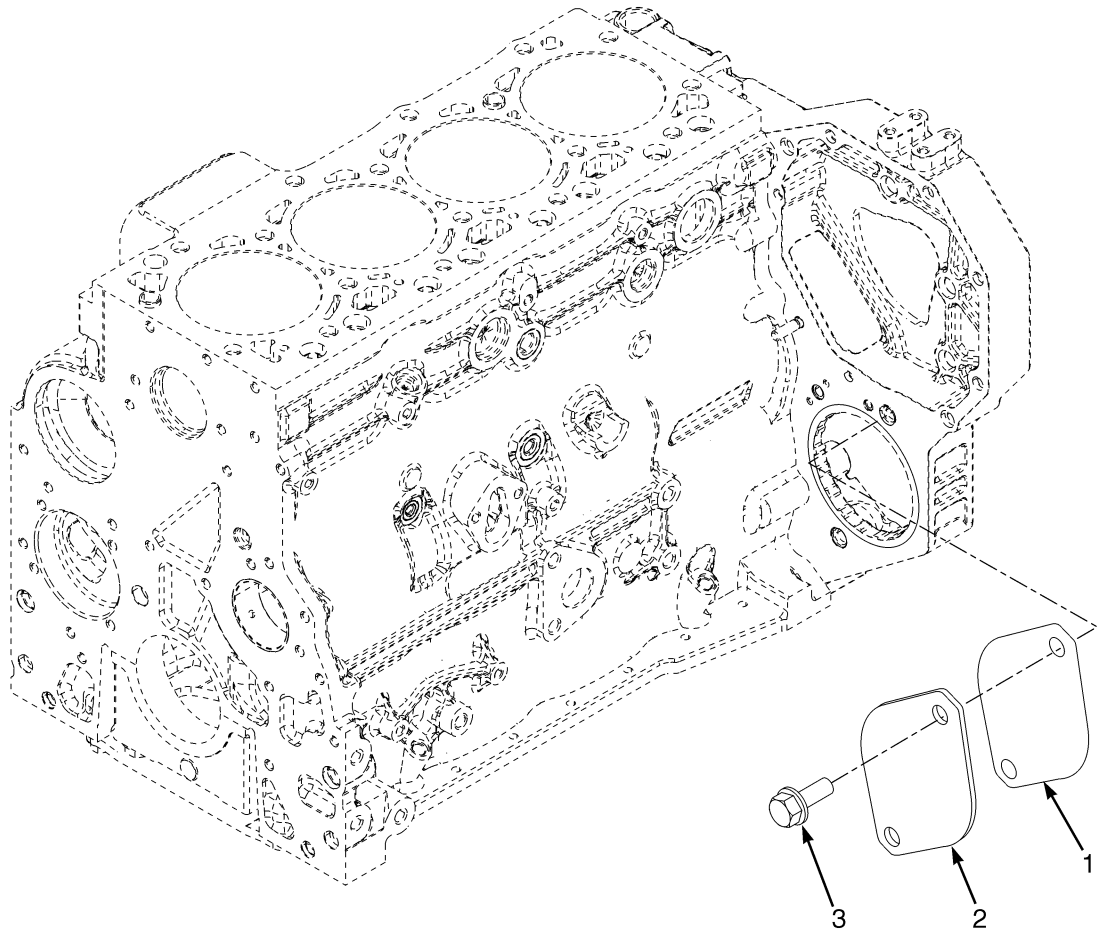
DIESEL ENGINE ASSEMBLY (Figure 2-35) VIBRATION DAMPER CUMMINS 4.5L



BP090290

ITEM	PART NO.	DESCRIPTION	QTY
	1501931	Engine Assembly (Cummins 4.5L)	1
1	1637800	Pulley.....	1
2	1637801	Plate	1
3	1637802	Screw and Washer	6

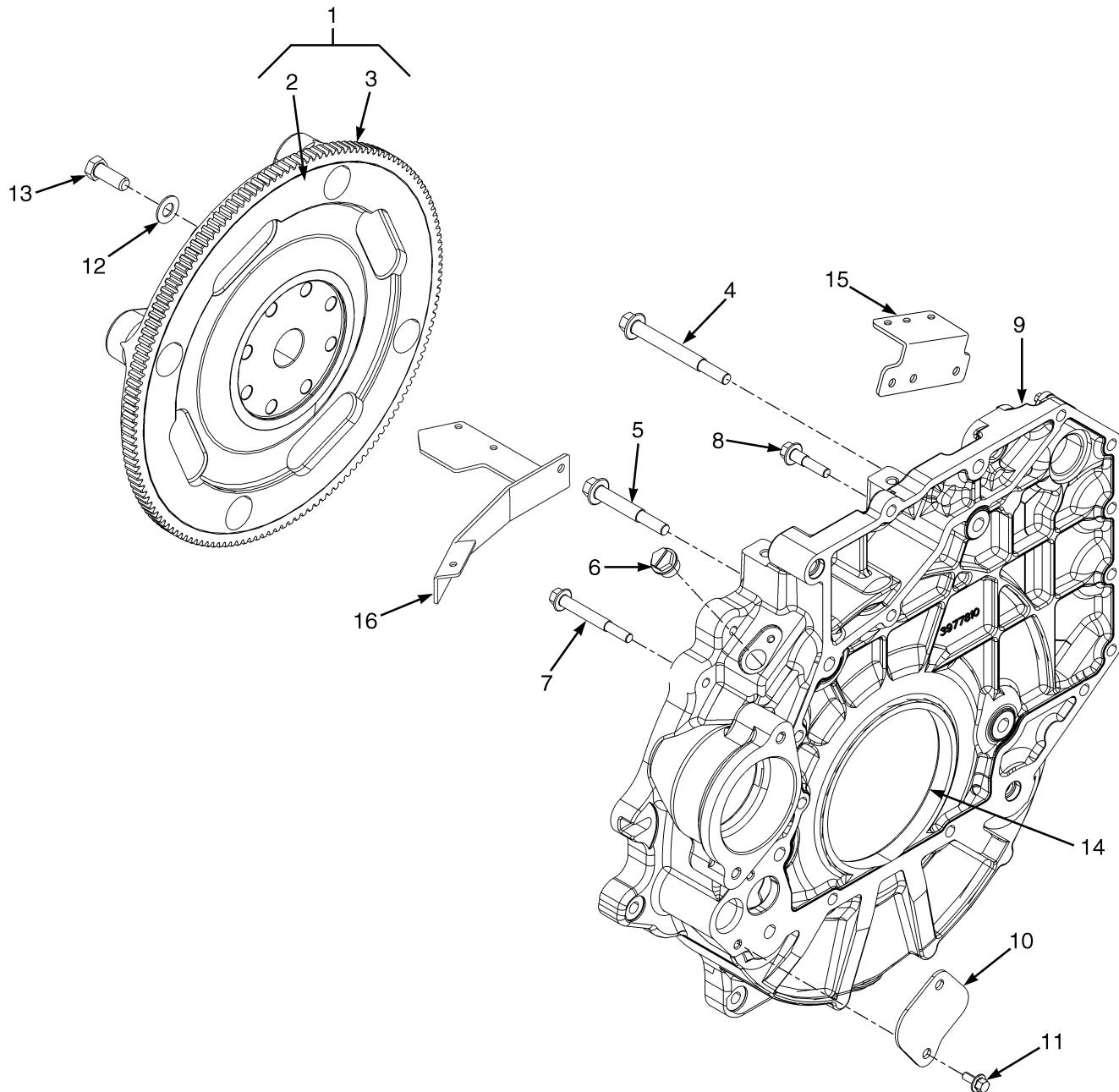
DIESEL ENGINE ASSEMBLY (Figure 2-36)
REAR GEAR TRAIN ACCESSORY MOUNTING COVER
CUMMINS 4.5L



BP090291

ITEM	PART NO.	DESCRIPTION	QTY
	1501931	Engine Assembly (Cummins 4.5L)	1
1	1635367	Gasket	1
2	1512417	Cover	1
3	1511953	Capscrew	2

DIESEL ENGINE ASSEMBLY (Figure 2-37) FLYWHEEL AND HOUSING ASSEMBLY CUMMINS 4.5L



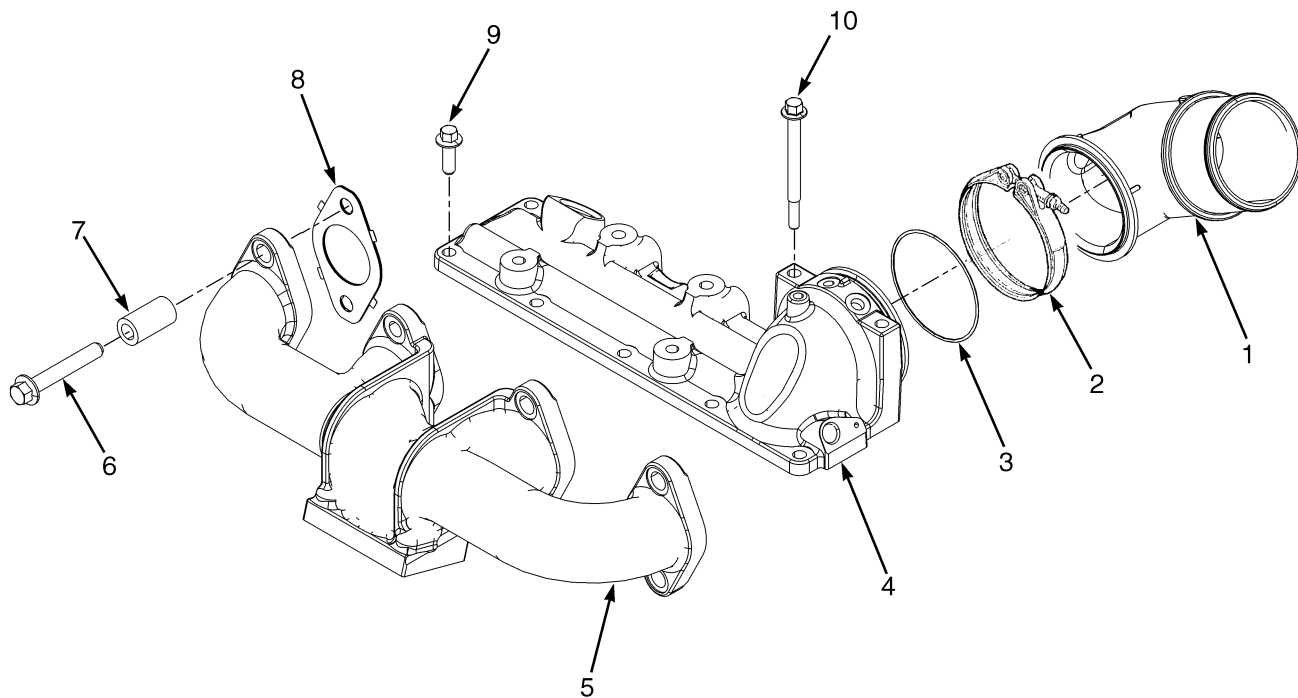
BP090292

DIESEL ENGINE ASSEMBLY FLYWHEEL AND HOUSING ASSEMBLY CUMMINS 4.5L

ITEM	PART NO.	DESCRIPTION	QTY
	1501931	Engine Assembly (Cummins 4.5L)	1
1	a 1637838	Flywheel Assembly	1
1	b 1654057	Flywheel Assembly	1
2	.....	Flywheel	1
3	a 1637839	Ring Gear.....	1
3	b 1654058	Ring Gear.....	1
4	1635228	Capscrew	2
5	1511981	Capscrew	6
6	1512046	Plug	1
7	1521938	Capscrew	2
8	1635255	Capscrew	7
9	.....	Flywheel Housing	1
10	1637822	Plate	1
11	1513749	Capscrew	2
12	1512107	Washer	8
13	1512106	Capscrew	8
14	.....	Crankshaft Seal	1
14	1512048	Seal	1
14	1514483	Nut.....	3
15	1644726	Bracket (Harness).....	1
16	1623092	Bracket.....	1
	1564992	Seal Kit (Crankshaft) (Includes Item 14)	1

FOOTNOTES:**a** ⇒ S/N N005V01506D**b** S/N N005V1507D ⇒

DIESEL ENGINE ASSEMBLY (Figure 2-38)
INTAKE AND EXHAUST MANIFOLDS
CUMMINS 4.5L



BP090298

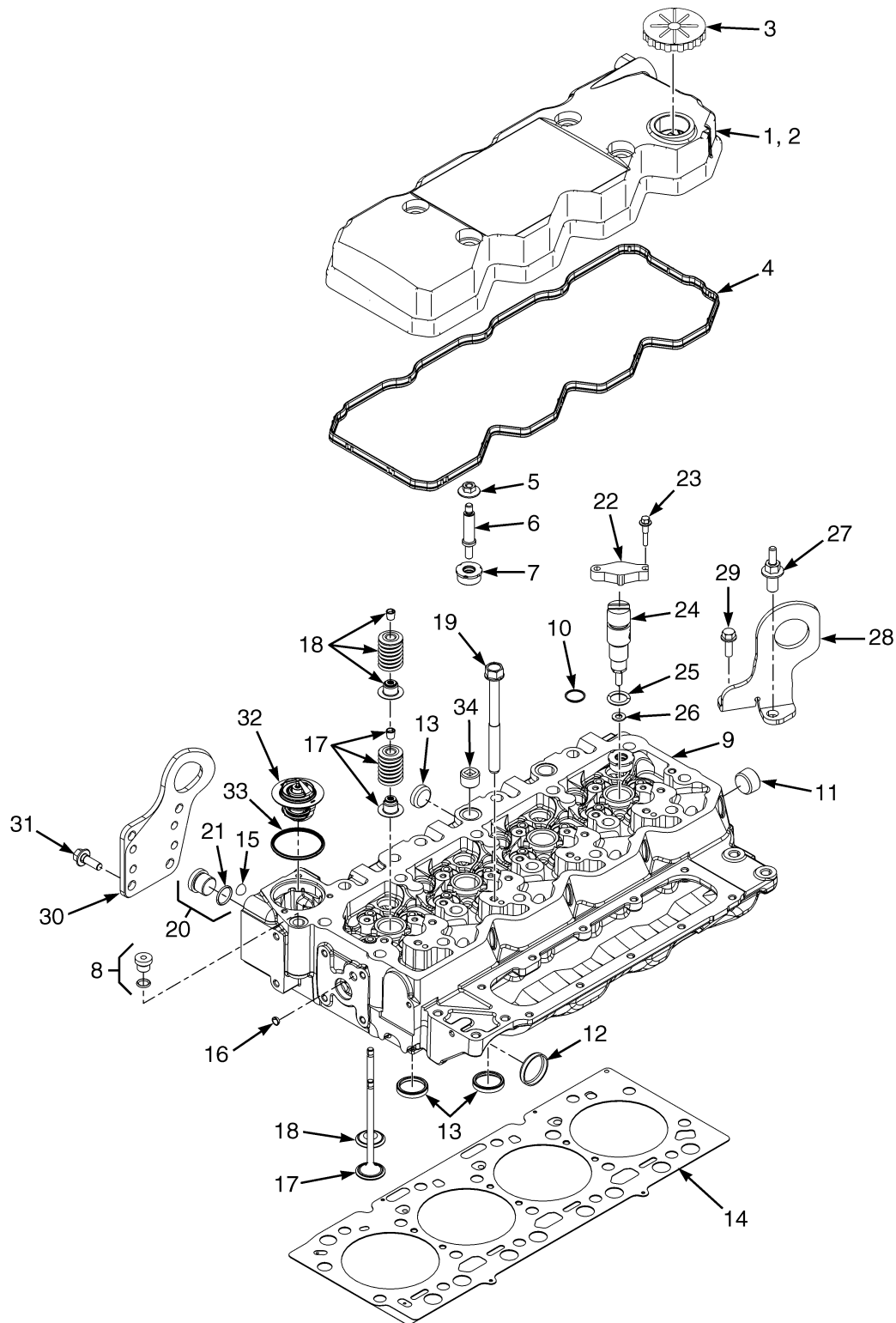
DIESEL ENGINE ASSEMBLY INTAKE AND EXHAUST MANIFOLDS CUMMINS 4.5L

ITEM	PART NO.	DESCRIPTION	QTY
	1501931	Engine Assembly (Cummins 4.5L)	1
1	1635412	Pipe	1
2	1635320	Clamp	1
3	1635251	O-Ring	1
4	1637843	Intake Manifold	1
5	1637955	Exhaust Manifold	1
6	1517257	Capscrew	8
7	1517256	Spacer	8
8	1553965	Gasket	4
9	1512295	Capscrew	6
10	1635257	Capscrew	2
	a 1654061	Stud	4

FOOTNOTES:

a Not Illustrated

DIESEL ENGINE ASSEMBLY (Figure 2-39) CYLINDER HEAD CUMMINS 4.5L

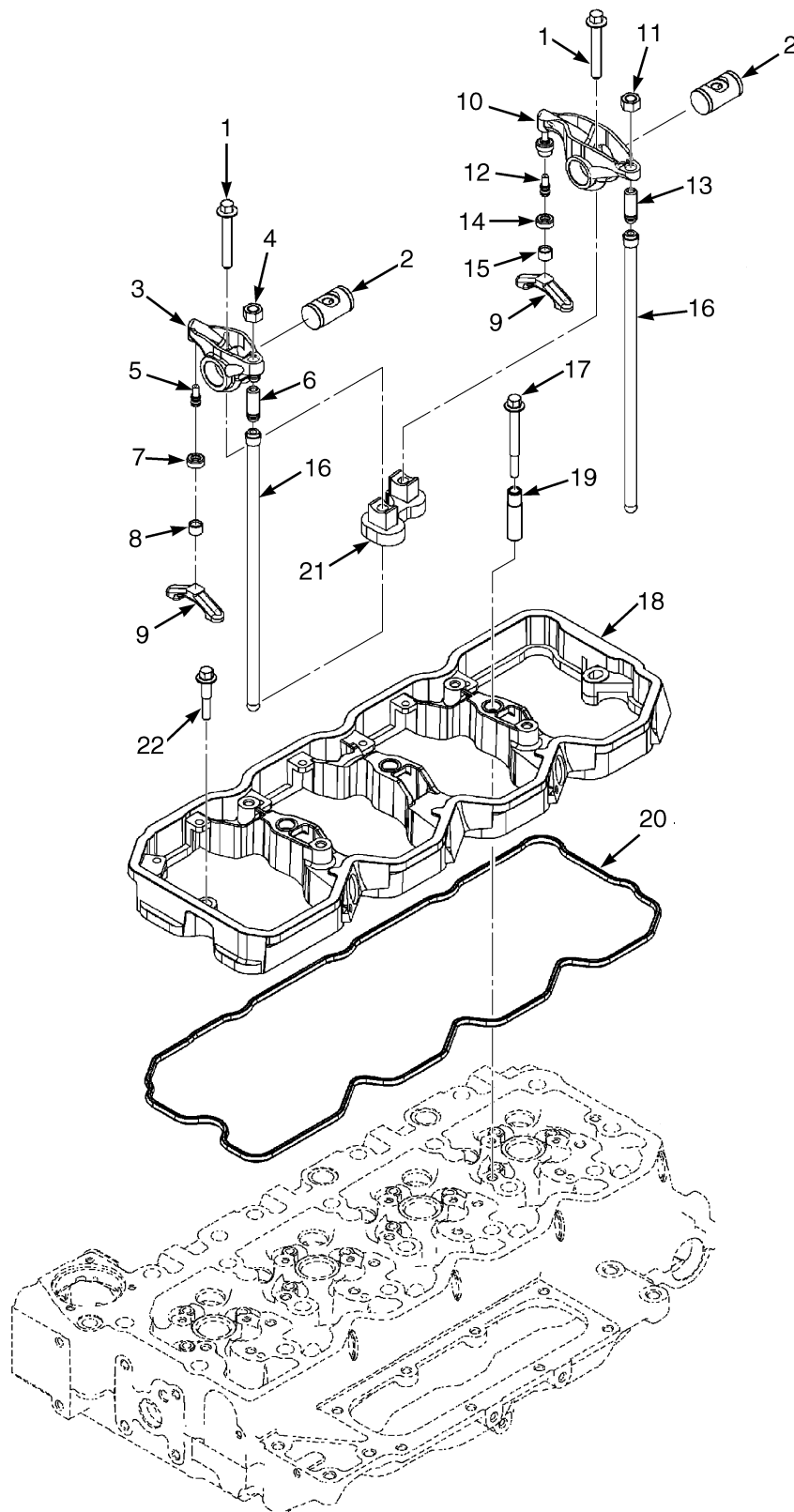


BP090294

DIESEL ENGINE ASSEMBLY CYLINDER HEAD CUMMINS 4.5L

ITEM	PART NO.	DESCRIPTION	QTY
	1501931	Engine Assembly (Cummins 4.5L)	1
1	.....	Valve Cover Assembly.....	1
2	1663559	Valve Cover	1
3	1635360	Filler Cap Assembly	1
3	1635361	Gasket (Fill Cap).....	1
4	1637950	Gasket (Valve Cover)	1
5	1635356	Nut.....	4
6	1635368	Stud.....	4
7	1635379	Isolator.....	4
8	1521695	Plug Assembly.....	1
8	1517119	Seal Ring	1
9	.....	Cylinder Head.....	1
10	1514339	Expansion Plug	9
11	1512292	Plug.....	3
12	1517190	Expansion Plug	1
13	1635464	Insert.....	8
14	1637926	Cylinder Head Gasket.....	9
15	1521919	Expansion Plug	2
16	1512586	Plug.....	5
17	1521913	Valve Kit (Intake)	8
17	1521915	Retainer	16
17	1521916	Valve Spring.....	16
18	1635346	Valve Kit (Exhaust).....	8
18	1584923	Seal (Valve Stem)	1
18	1521914	Collet.....	2
19	1521901	Screw	18
20	1521695	Plug Assembly.....	1
21	1517262	O-Ring	1
22	1517195	Clamp	4
23	1513791	Capscrew	8
24	1637927	Injector.....	4
25	1517210	Seal Ring	1
26	1584914	Seal.....	1
27	1521895	Capscrew	1
28	1637849	Lifting Eye.....	1
29	1512418	Capscrew	1
30	1635357	Lifting Eye.....	1
31	1512503	Capscrew	4
32	1637803	Thermostat Assembly.....	1
33	1552716	Seal Ring.....	1
34	1511952	Plug	2
	1512584	Plug	1
	1637877	Cylinder Head Assembly (Includes Items 9-18).....	1
	1640196	Gasket Kit (Upper Engine)	1

DIESEL ENGINE ASSEMBLY (Figure 2-40) ROCKER LEVERS CUMMINS 4.5L



BP090312

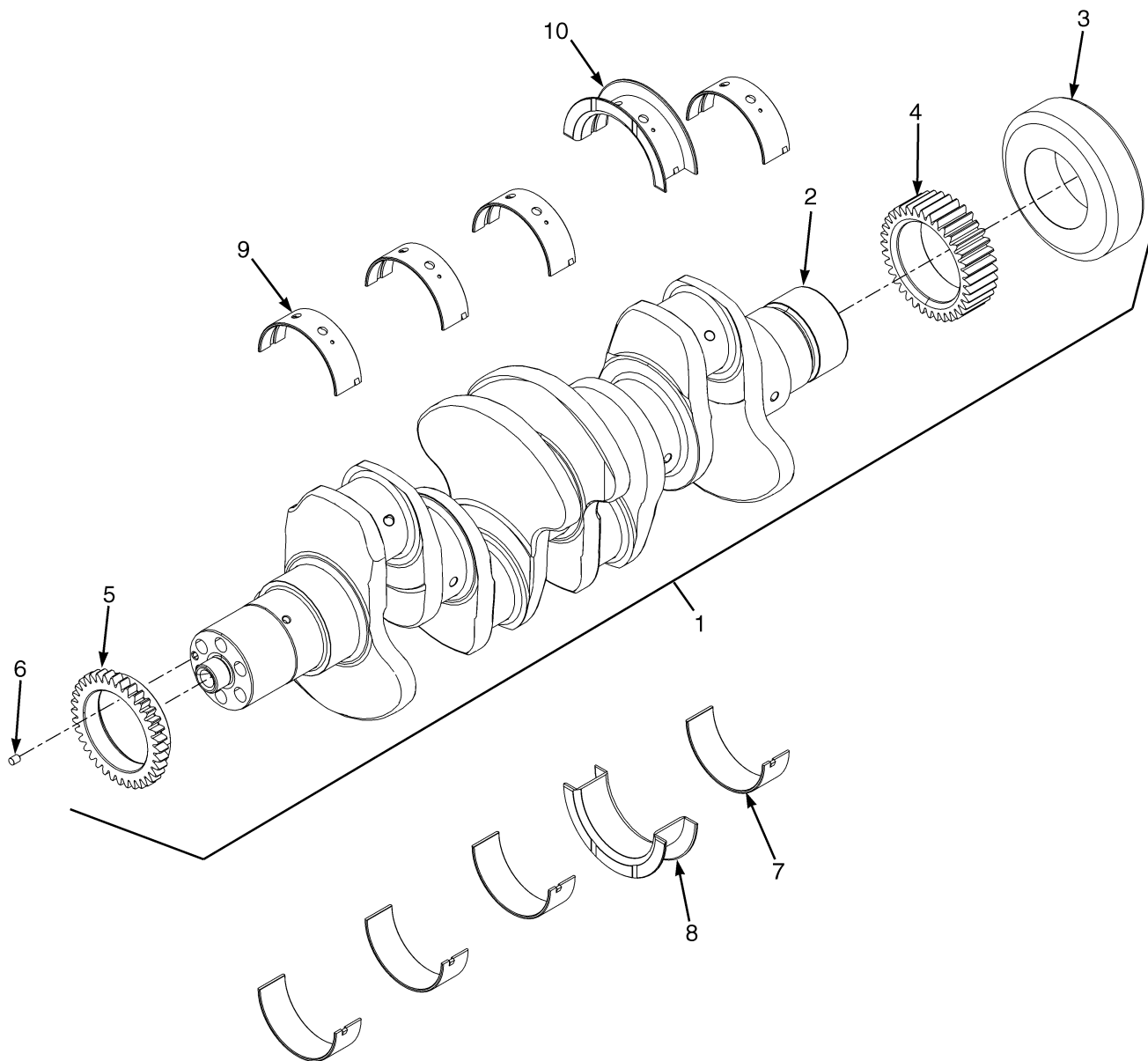
DIESEL ENGINE ASSEMBLY ROCKER LEVERS CUMMINS 4.5L

ITEM	PART NO.	DESCRIPTION	QTY
	1501931	Engine Assembly (Cummins 4.5L)	1
	1584932	Rocker Lever Assembly	4
1	1553952	Capscrew	2
2	1635388	Shaft	2
3	1521939	Rocker Lever Assembly (Intake)	1
3	.....	Lever	1
4	1513806	Nut	1
5	.....	Ball	1
6	1553956	Screw	1
7	.....	Retainer	1
8	.....	Socket	1
9	1521944	Valve (Crosshead)	8
10	1521937	Rocker Lever Assembly (Exhaust)	1
10	.....	Lever	1
11	1513806	Nut	1
12	.....	Ball	1
13	1553956	Screw	1
14	.....	Retainer	1
15	.....	Socket	1
16	1521943	Push Rod	8
17	1635254	Screw	3
18	1637945	Housing Assembly	1
18	1637946	Housing	1
19	.....	Sleeve	3
20	1637944	Gasket	1
21	1584933	Support	1
22	1513725	Capscrew	2
	a 1635383	Capscrew	2

FOOTNOTES:

a Not Illustrated

DIESEL ENGINE ASSEMBLY (Figure 2-41) CRANKSHAFT AND MAIN BEARINGS CUMMINS 4.5L



BP090289

DIESEL ENGINE ASSEMBLY CRANKSHAFT AND MAIN BEARINGS CUMMINS 4.5L

ITEM	PART NO.	DESCRIPTION	QTY
	1501931	Engine Assembly (Cummins 4.5L)	1
1	1637788	Crankshaft Assembly	1
2	1637775	Crankshaft.....	1
2	1637776	Crankshaft	1
3	.....	Collar	1
4	1635274	Gear.....	1
5	1635273	Gear.....	1
6	1514346	Dowel Pin.....	1
7	1543317	Main Bearing (Standard) (Lower).....	4
8	1637777	Thrust Bearing (Standard) (Lower)	1
9	1543318	Main Bearing (Standard) (Upper).....	4
9	1585002	Main Bearing (0.25 mm O/S)	AR
9	1584992	Main Bearing (0.50 mm O/S)	AR
9	1584995	Main Bearing (0.75 mm O/S)	AR
9	1585000	Main Bearing (1.00 mm O/S)	AR
10	1543316	Thrust Bearing (Standard) (Upper)	1

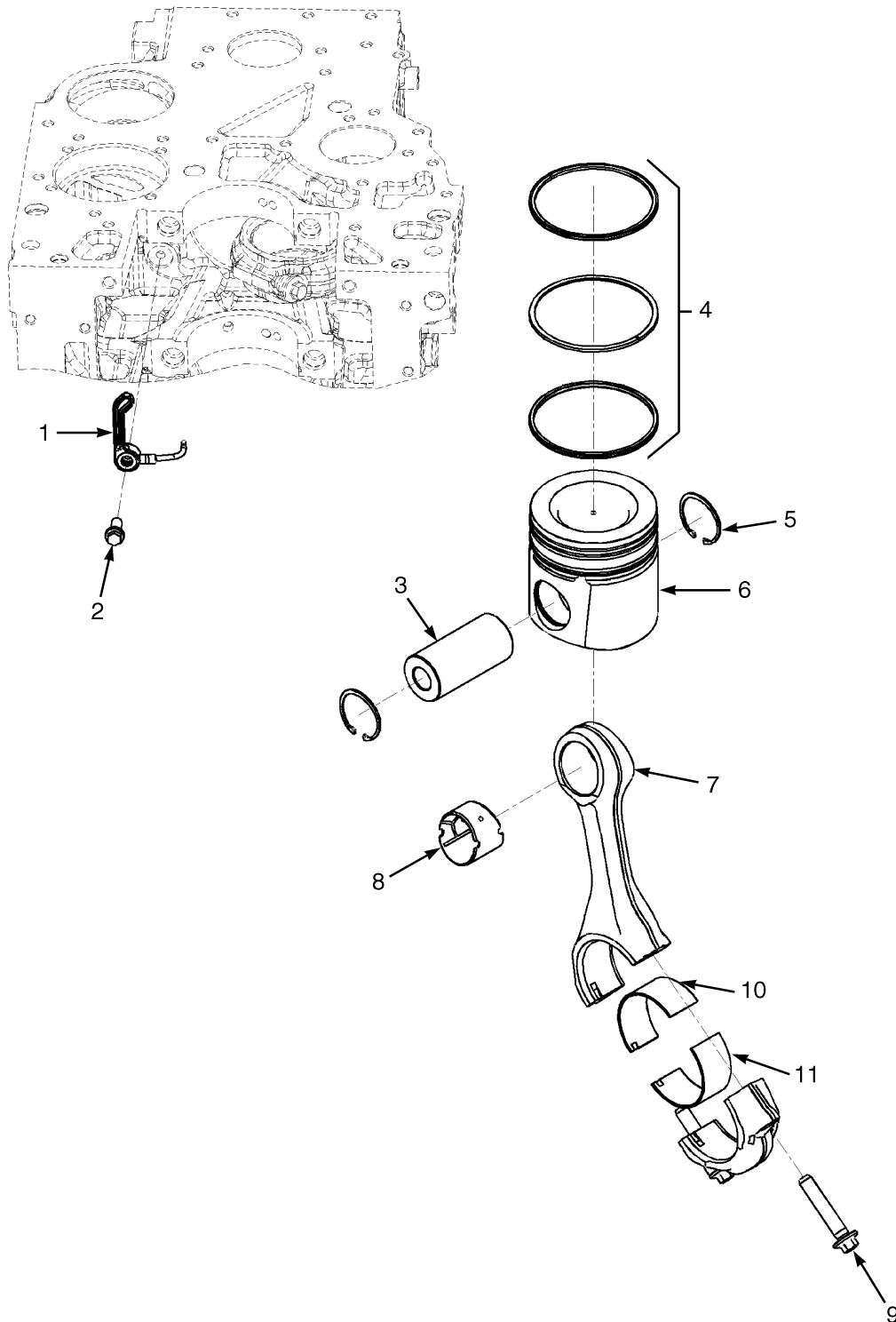
DIESEL ENGINE ASSEMBLY WATER PUMP AND CONNECTIONS CUMMINS 4.5L

ITEM	PART NO.	DESCRIPTION	QTY
	1501931	Engine Assembly (Cummins 4.5L)	1
1	1513792	Capscrew	1
2	1521973	Connection (Outlet)	1
3	1635242	Water Pump Assembly	1
4	1512322	Seal Ring	1
5	1597807	Capscrew (Flange).....	2
6	1521938	Capscrew	1
7	1635318	Tensioner	1
8	1511952	Plug	1
9	1637952	Connection Assembly (Inlet)	1
9	1637953	Inlet	1
10	1521971	Roll Pin.....	2
11	1512305	O-Ring	1
12	1512503	Capscrew	3
13	1637951	Elbow.....	1
	a 1637954	Belt (Drive)	1

FOOTNOTES:

a Not Illustrated

DIESEL ENGINE ASSEMBLY (Figure 2-43) PISTON AND CONNECTING ROD CUMMINS 4.5L



BP090297

DIESEL ENGINE ASSEMBLY PISTON AND CONNECTING ROD CUMMINS 4.5L

ITEM	PART NO.	DESCRIPTION	QTY
	1501931	Engine Assembly (Cummins 4.5L)	1
1	1635293	Nozzle (Piston Cooling).....	4
2	1635282	Screw (Banjo Connector)	4
3	1635400	Piston Pin	4
4	1638418	Piston Ring Set.....	4
5	1512146	Retaining Ring.....	8
6	1637870	Piston	4
7	1637868	Connecting Rod Assembly	4
7	.....	Rod	1
8	1553262	Bushing	1
9	1553261	Capscrew	2
10	b 1635295	Bearing (Standard)	4
10	b 1638419	Bearing (.25mm Oversized)	AR
10	b 1638420	Bearing (.50mm Oversized)	AR
10	b 1638421	Bearing (.75mm Oversized)	AR
10	b 1638422	Bearing (1.00mm Oversized)	AR
11	a 1543445	Bearing (Standard)	4
11	a 1584817	Bearing (.010 in.) (.25mm Oversized)	AR
11	a 1584818	Bearing (.020 in.) (.50 Oversized)	AR
11	a 1584819	Bearing (.030 in.) (.75 Oversized)	AR
11	a 1584820	Bearing (.040 in.) (1.0 Oversized)	AR

FOOTNOTES:**a** Lower**b** Upper

[illegible]

3

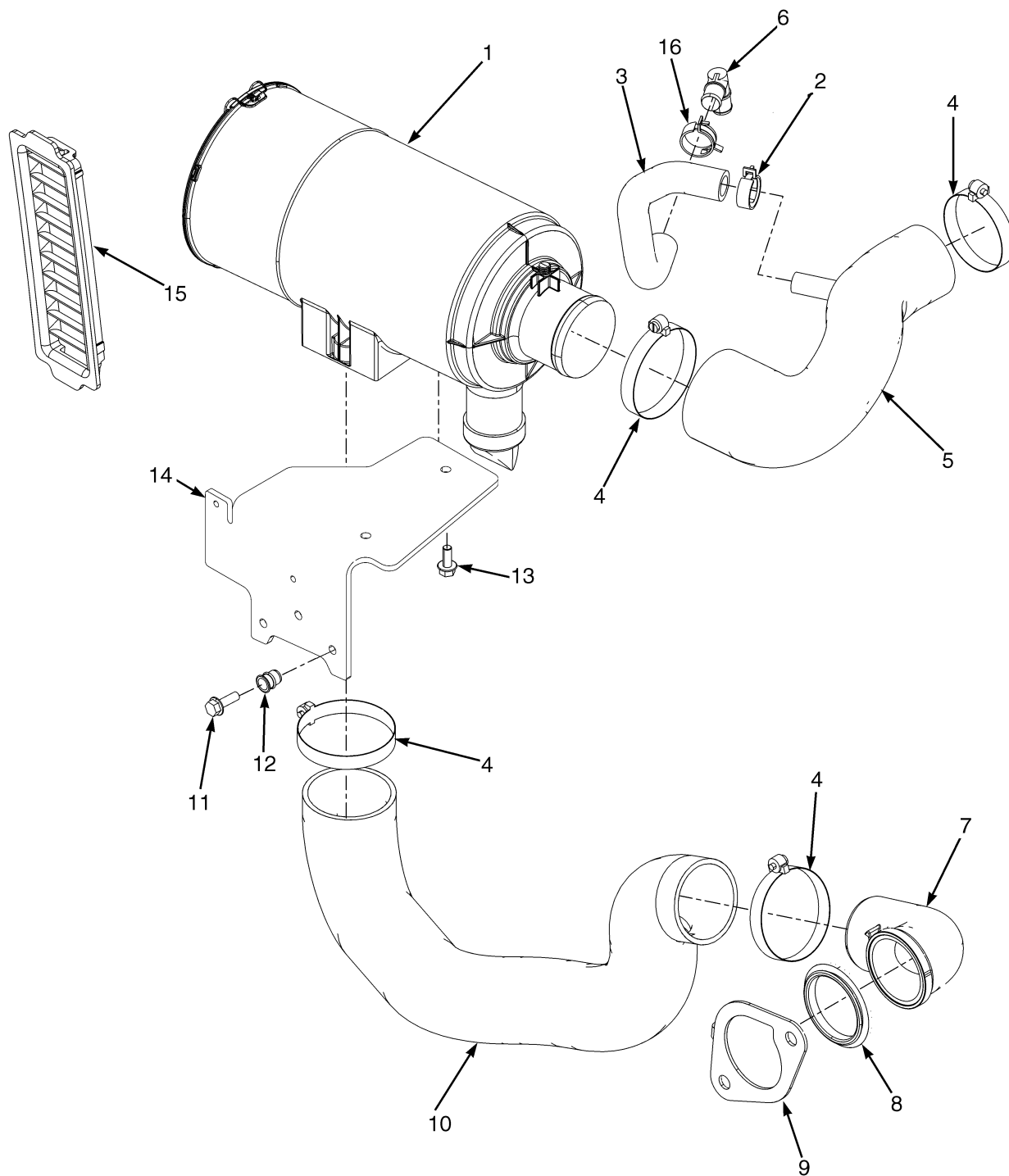
FUEL SYSTEM

SECTION 3

FUEL SYSTEM

DESCRIPTION	PAGE
AIR CLEANER	
CUMMINS 4.5L DIESEL	3-4
GM 4.3L GASOLINE AND LPG	3-2
AIR FILTER.....	3-8
ELECTRONIC THROTTLE LINKAGE	
CUMMINS 4.5L DIESEL	3-32
FUEL FILTRATION SYSTEM	
CUMMINS 4.5L DIESEL	3-24
FUEL INJECTION	
CUMMINS 4.5L DIESEL	3-30
FUEL INJECTION PUMP AND GEAR	
CUMMINS 4.5L DIESEL	3-26
FUEL SYSTEM	
CUMMINS 4.5L DIESEL	3-28
GM 4.3L LPG	3-12
GM 4.3L, GASOLINE.....	3-10
LPG TANK BRACKET	
SWING OUT	3-20
SWING OUT, DROP DOWN.....	3-22
MONOTROL PEDAL ASSEMBLY	3-38
PRE-CLEANER AND MOUNT	3-6
REGULATOR	
GM 4.3L LPG	3-18
THROTTLE BODY ASSEMBLY	
GM 4.3L LPG	3-14
THROTTLE BODY ASSEMBLY AND FUEL RAIL	
GM 4.3L GASOLINE.....	3-16
THROTTLE CABLE ASSEMBLY	
CUMMINS 4.5L DIESEL	3-34
THROTTLE PEDAL AND ATTACHING PARTS	3-36

AIR CLEANER (Figure 3-1) GM 4.3L GASOLINE AND LPG



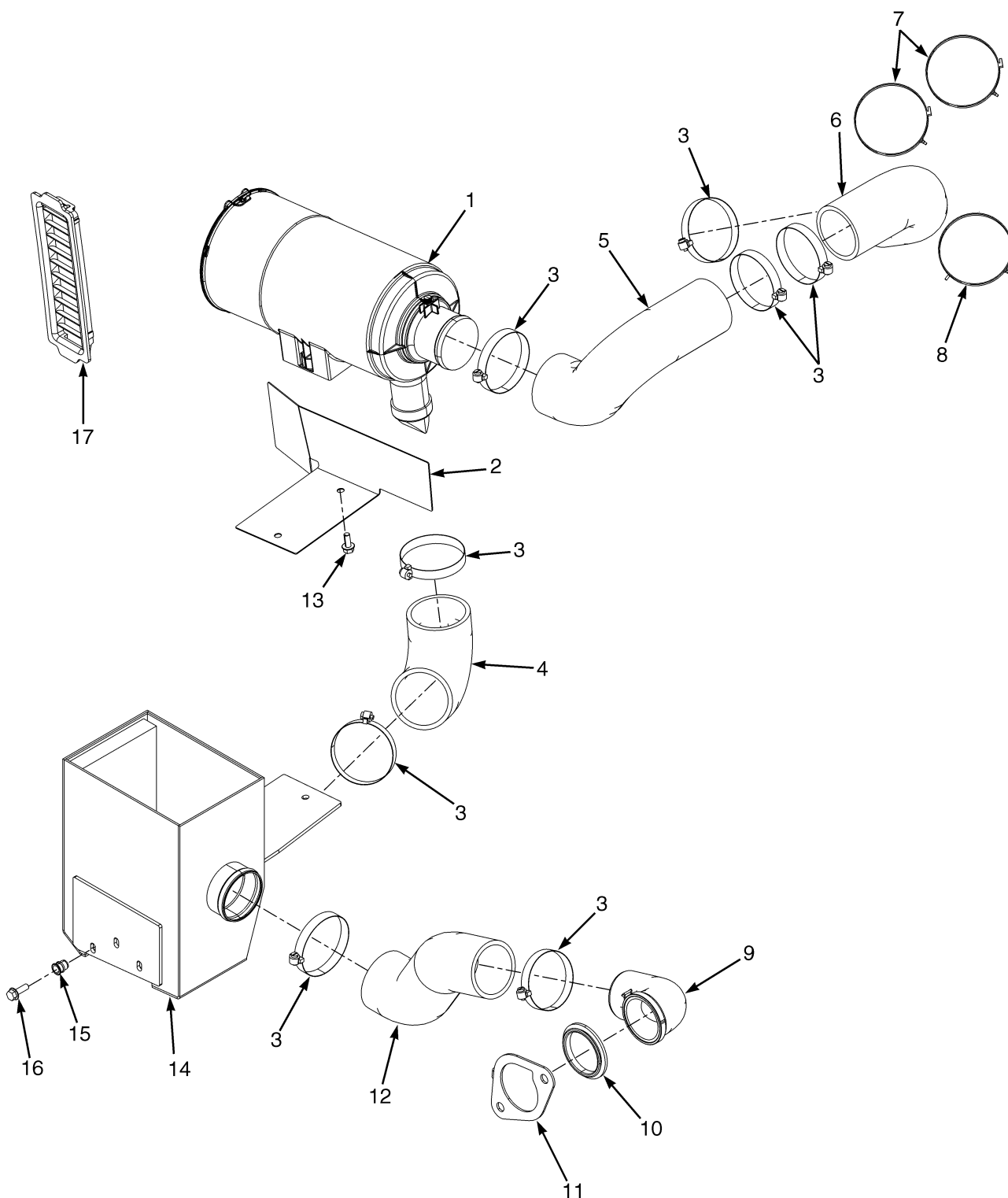
BP130207

AIR CLEANER

GM 4.3L GASOLINE AND LPG

ITEM	PART NO.	DESCRIPTION	QTY
1	2070531	Air Filter (☞ Figure 3-4)	1
2	353199	Clamp	1
3	1579660	Hose (PVC Vent)	1
4	115696	Clamp	4
5	2077238	Hose (Clean Air)	1
6	379407	Fitting.....	1
7	1581438	Elbow.....	1
8	1502079	Grommet.....	1
9	1650184	Retainer	1
10	2076637	Hose (Dirty Air)	1
11	1510113	Capscrew.....	3
12	1530243	Insert.....	3
13	1527879	Capscrew.....	2
14	1653560	Bracket.....	1
15	2067476	Grill	1
16	1501997	Clamp	1

AIR CLEANER (Figure 3-2) CUMMINS 4.5L DIESEL

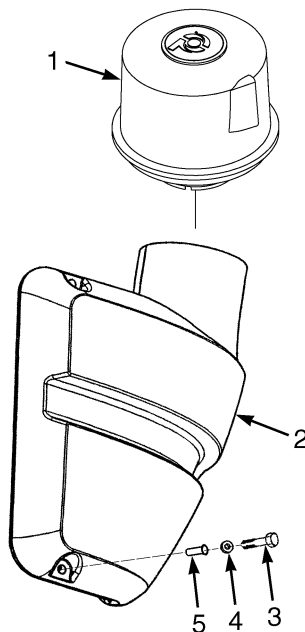


BP130208

**AIR CLEANER
CUMMINS 4.5L DIESEL**

ITEM	PART NO.	DESCRIPTION	QTY
1	2070531	Air Filter (☞ Figure 3-4)	1
2	1629192	Bracket.....	1
3	115696	Clamp	8
4	2088767	Hose (Dirty Air).....	1
5	2088766	Hose (Clean Air)	1
6	2089142	Hose (Clean Air)	1
7	1502061	Clamp	2
8	1643932	Clamp	1
9	1581438	Elbow	1
10	1502079	Grommet.....	1
11	1650184	Retainer	1
12	2088765	Hose (Dirty Air).....	4
13	1527879	Capscrew.....	2
14	1653561	Silencer.....	1
15	1530243	Insert.....	3
16	1510113	Capscrew.....	3
17	2067476	Grill	1

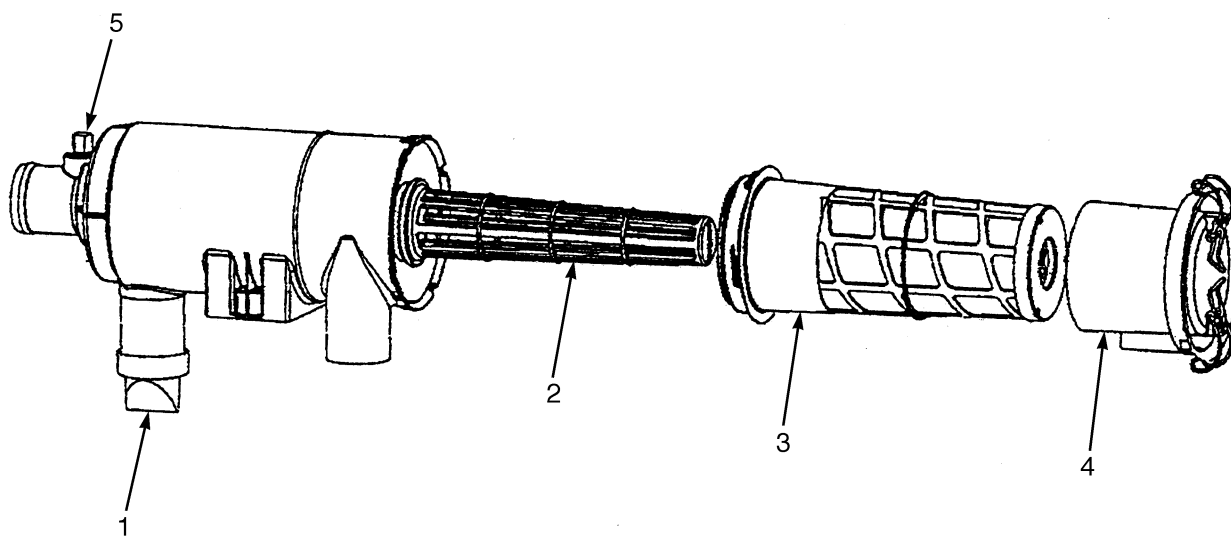
PRE-CLEANER AND MOUNT (Figure 3-3)



BP130092

ITEM	PART NO.	DESCRIPTION	QTY
1	1501888	Pre-Cleaner	1
2	1565201	Air Duct.....	1
3	2071261	Capscrew.....	2
4	1506738	Washer	2
5	1531558	Insert.....	2

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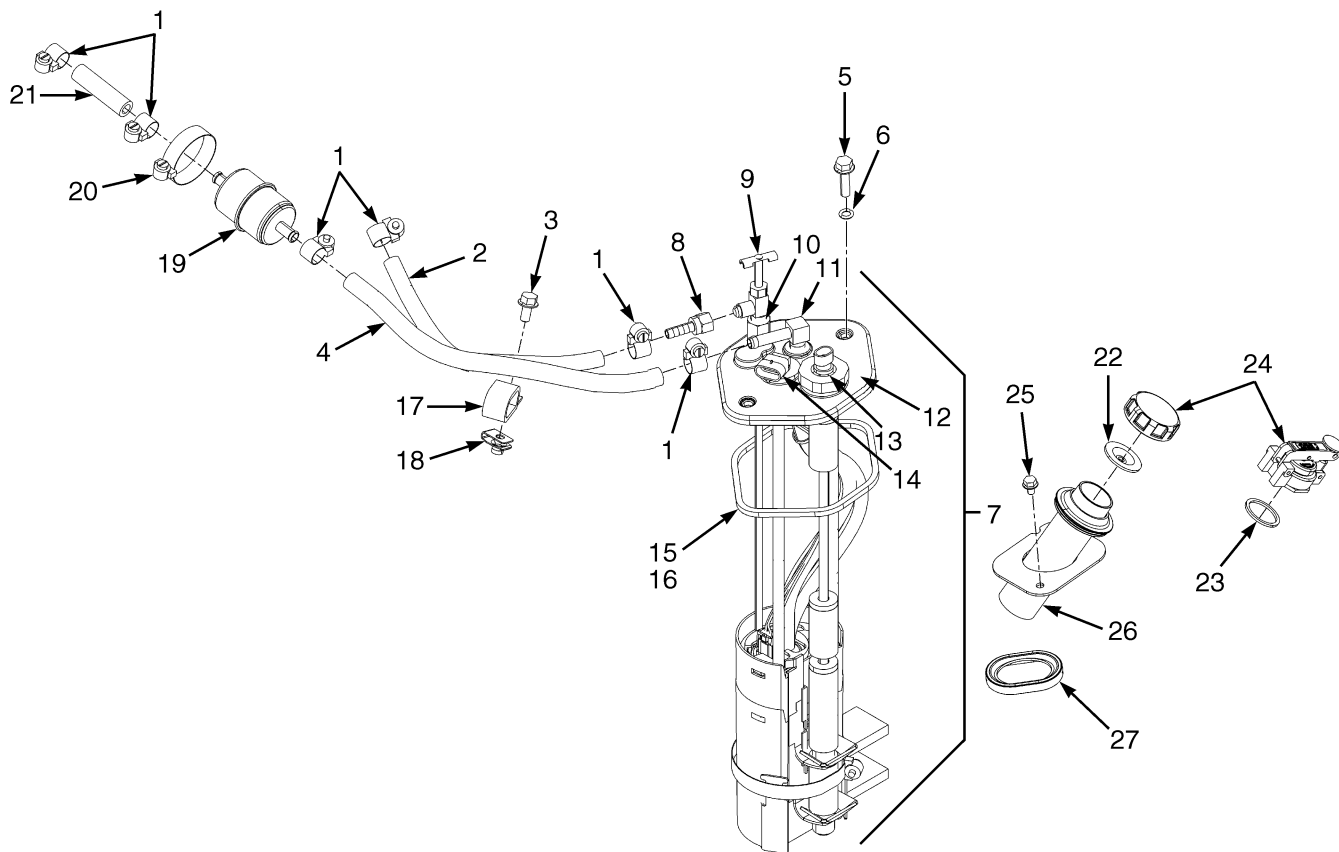
AIR FILTER (Figure 3-4)

BP130113

AIR FILTER

ITEM	PART NO.	DESCRIPTION	QTY
	2070531	Air Filter	1
1	374923	Valve.....	1
2	1620145	Liner	1
3	1620142	Filter	1
4	1620144	Cover.....	1
5	141331	Cap.....	1

FUEL SYSTEM (Figure 3-5) GM 4.3L, GASOLINE

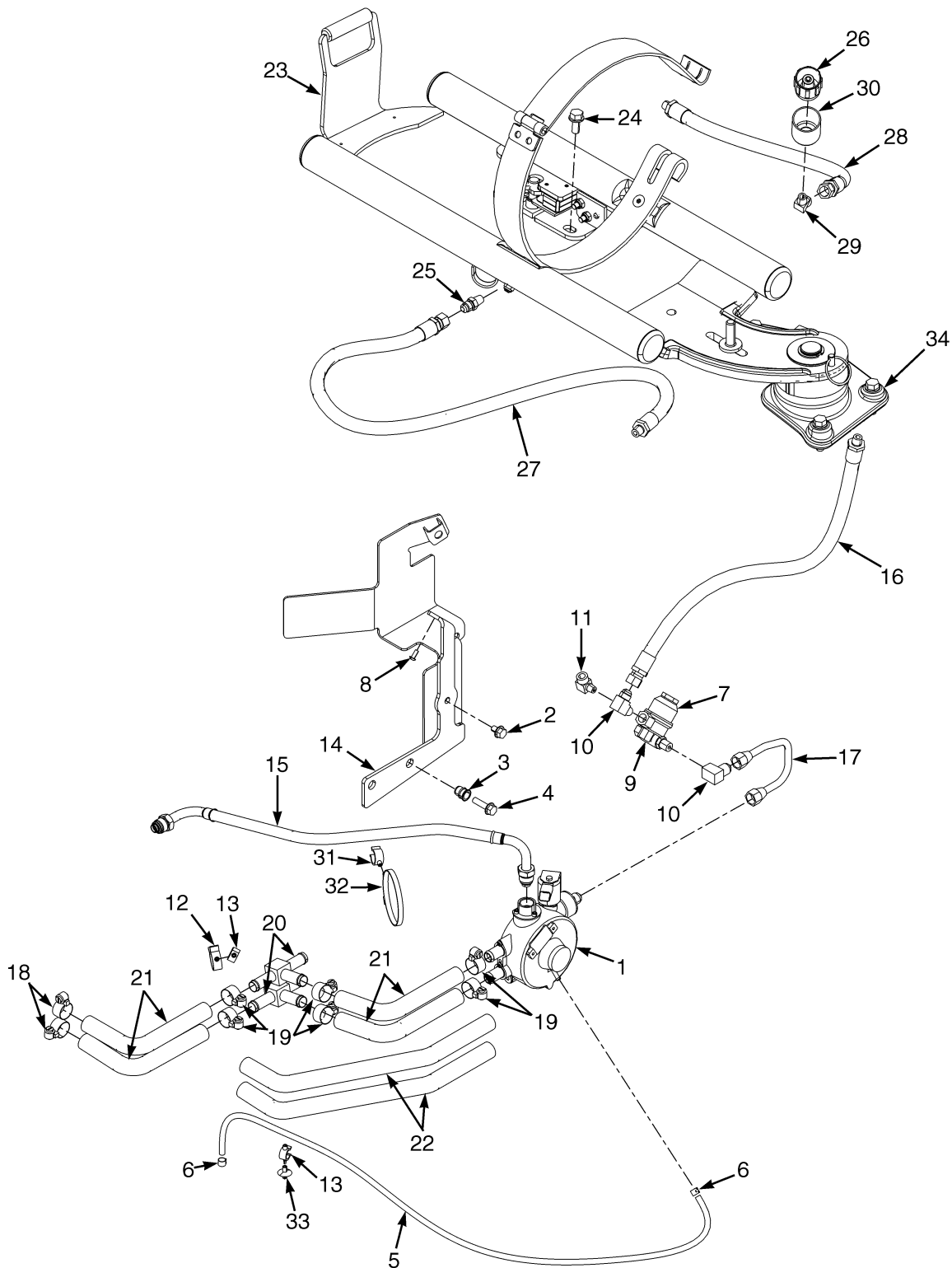


BP130205

FUEL SYSTEM
GM 4.3L, GASOLINE

ITEM	PART NO.	DESCRIPTION	QTY
1	166857	Clamp	10
2	2074243	Hose	1
3	1527879	Capscrew.....	1
4	2074231	Hose	2
5	1527881	Capscrew.....	2
6	353000	O-Ring	2
7	1570441	Fuel Pump And Sender	1
8	1568998	Nipple	1
9	43883	Valve (Shut Off)	1
10	12856	Fitting.....	1
11	17353	Fitting.....	1
12	1551665	Cover.....	1
13	1371159	Fuel Sender.....	1
14	1371149	Connector.....	1
15	2058000	Adhesive	AR
16	1528893	Quadrant Ring	1
17	178794	Clamp	1
18	1480237	Clip Nut.....	1
19	1553541	Fuel Filter.....	1
20	119236	Clamp	1
21	2066137	Hose	1
22	2021683	Gasket	1
23	2021685	Gasket (GS).....	1
24	2021679	Fuel Cap	1
24	1579677	Fuel Cap (GS)	1
25	1529366	Capscrew.....	2
26	1564392	Pipe (Fill)	1
27	1528314	Seal	1
	1528608	Grommet (Not Illustrated)	1

FUEL SYSTEM (Figure 3-6) GM 4.3L LPG

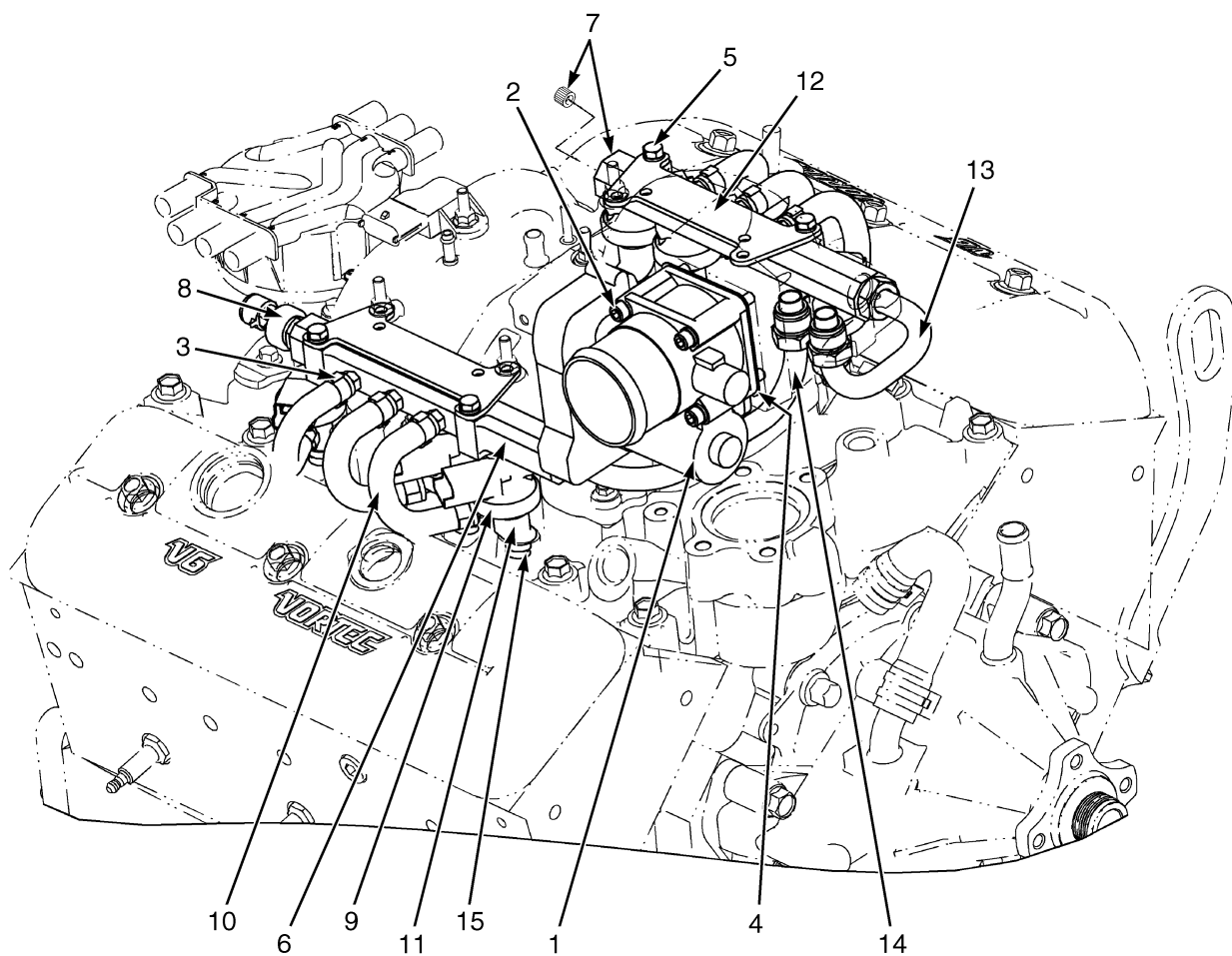


BP130202

FUEL SYSTEM
GM 4.3L LPG**KEY:****A: With Overhead Guard****B: With Cab**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	2056762	Regulator (LPG) (☞ Figure 3-9)	1	1
2	1529366	Capscrew.....	1	1
3	1530243	Insert.....	2	2
4	1527881	Capscrew.....	2	2
5	1579832	Hose	1	1
6	366473	Clamp	2	2
7	2070100	Fuel Filter (LPG)	1	1
7	1581302	Fuel Filter Kit	1	1
8	296152	Capscrew.....	2	2
9	16151	Fitting.....	1	1
10	14372	Fitting.....	1	1
11	14358	Fitting.....	1	1
12	1542436	Clamp	1	1
13	1542439	Clamp	1	1
14	1592287	Bracket.....	1	1
15	2072631	Hose	1	1
16	2059895	Hose	1	1
17	1568749	Tube Assembly	1	1
18	130845	Clamp	..	8
19	130845	Clamp	4	..
20	366000	Nipple	..	2
21	2072894	Hose	..	4
22	2070782	Hose	2	..
23	1584087	LPG Bracket Assembly (Drop Down) (☞ Figure 3-11)	1	1
23	1584086	LPG Bracket Assembly (Swing Out) (☞ Figure 3-10)	1	1
24	1586013	Capscrew.....	4	4
25	16134	Fitting.....	2	2
26	97999	Disconnect.....	1	1
27	2072298	Hose	1	1
28	2058426	Hose	1	1
29	16863	Fitting (Swing Out).....	1	1
30	2071517	Sleeve.....	1	1
31	1502061	Clamp	1	1
32	1502059	Clamp	1	1
33	1543842	Base (Clamp).....	1	1
34	1581400	Capscrew.....	3	3

THROTTLE BODY ASSEMBLY (Figure 3-7) GM 4.3L LPG



BP090275

THROTTLE BODY ASSEMBLY
GM 4.3L LPG

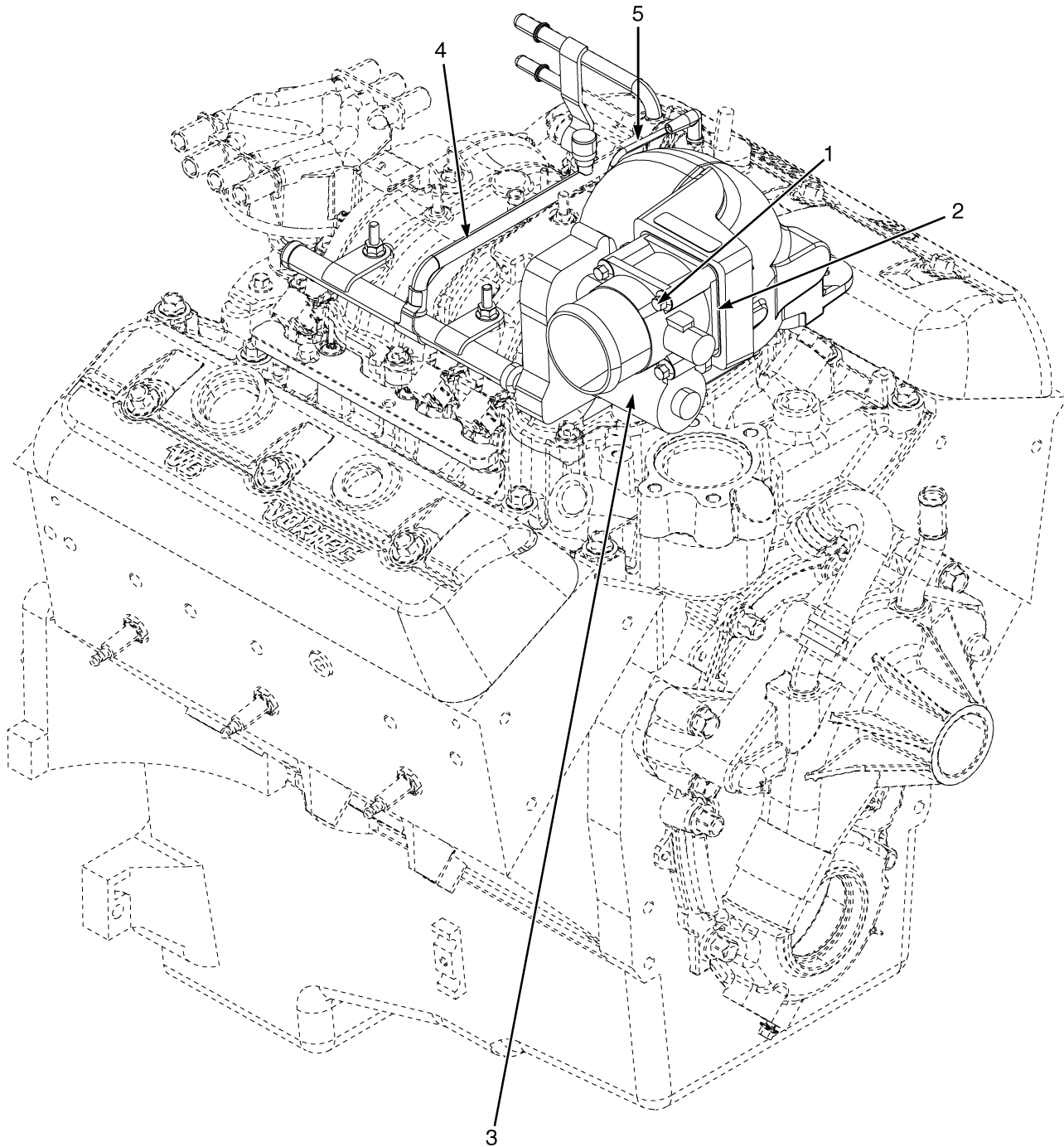
ITEM	PART NO.	DESCRIPTION	QTY
1	1557547	Electronic Throttle Body	1
2	1540643	Capscrew.....	4
3	1557566	Clamp	12
4	1557551	Gasket (Throttle Body).....	1
5	1527876	Capscrew.....	4
6	1632297	Fuel Rail Assembly (RH)	1
6	1632298	Fuel Rail Assembly (LH)	1
7	c 15347	Fitting.....	1
8	a 1632300	Sensor (Fuel Pressure)	1
9	1557560	Injector (LPG)	6
10	1632301	Hose	6
11	1632302	Adapter	6
12	1632303	Bracket.....	2
13	1632304	Tube (RH)	1
14	1632305	Tube (LH)	1
15	1557565	O-Ring	6
	b 1632307	Bracket.....	2

FOOTNOTES:

- a** Left Rail Only
b Not Illustrated
c Right Rail Only

THROTTLE BODY ASSEMBLY AND FUEL RAIL (Figure 3-8)

GM 4.3L GASOLINE

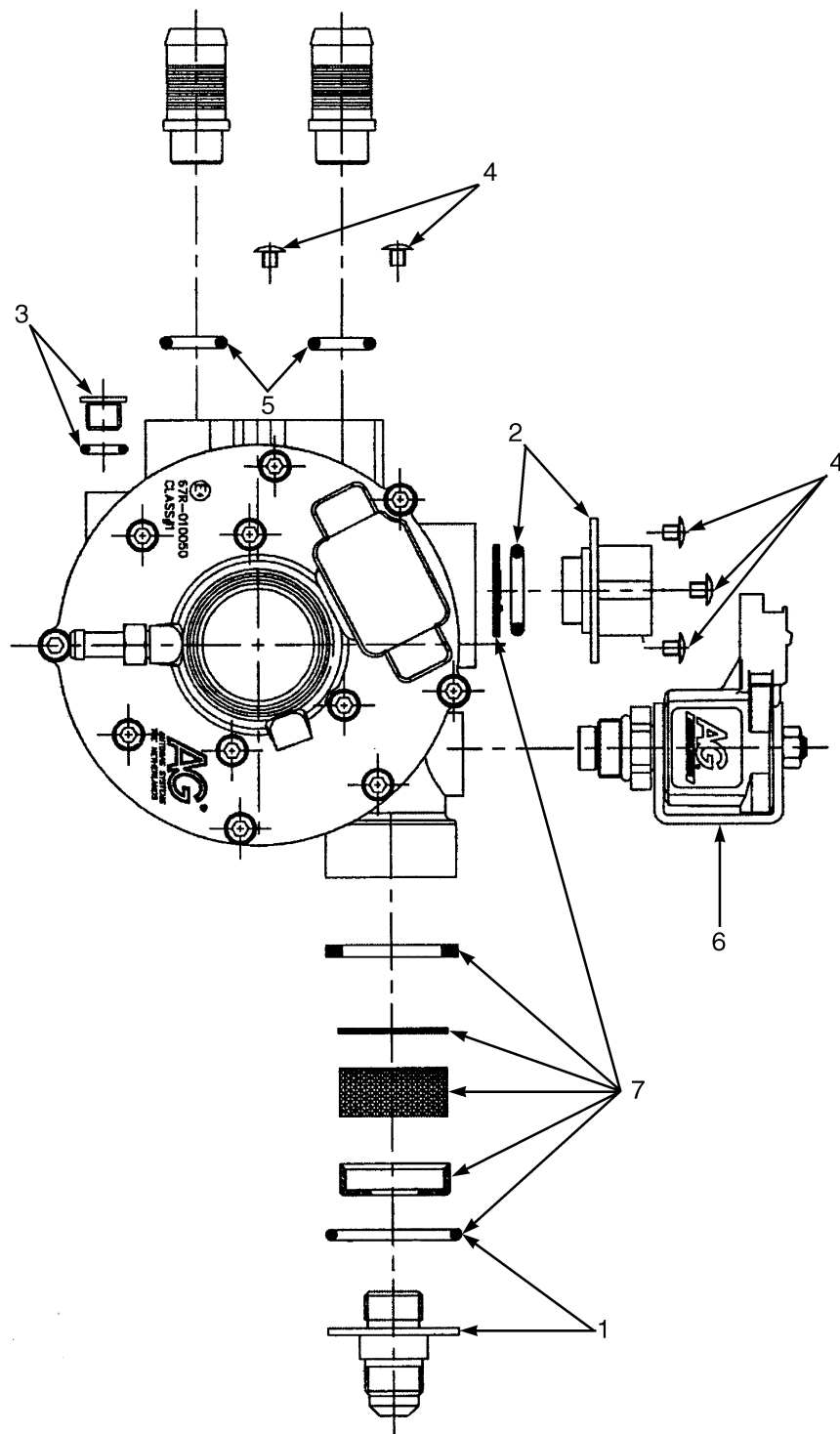


BP130267

**THROTTLE BODY ASSEMBLY AND FUEL RAIL
GM 4.3L GASOLINE**

ITEM	PART NO.	DESCRIPTION	QTY
1	1540643	Capscrew.....	4
2	1557551	Gasket (Throttle Body).....	1
3	1557547	Electronic Throttle Body	1
4	1655360	Fuel Rail	1
5	2066137	Hose	1

REGULATOR (Figure 3-9) GM 4.3L LPG

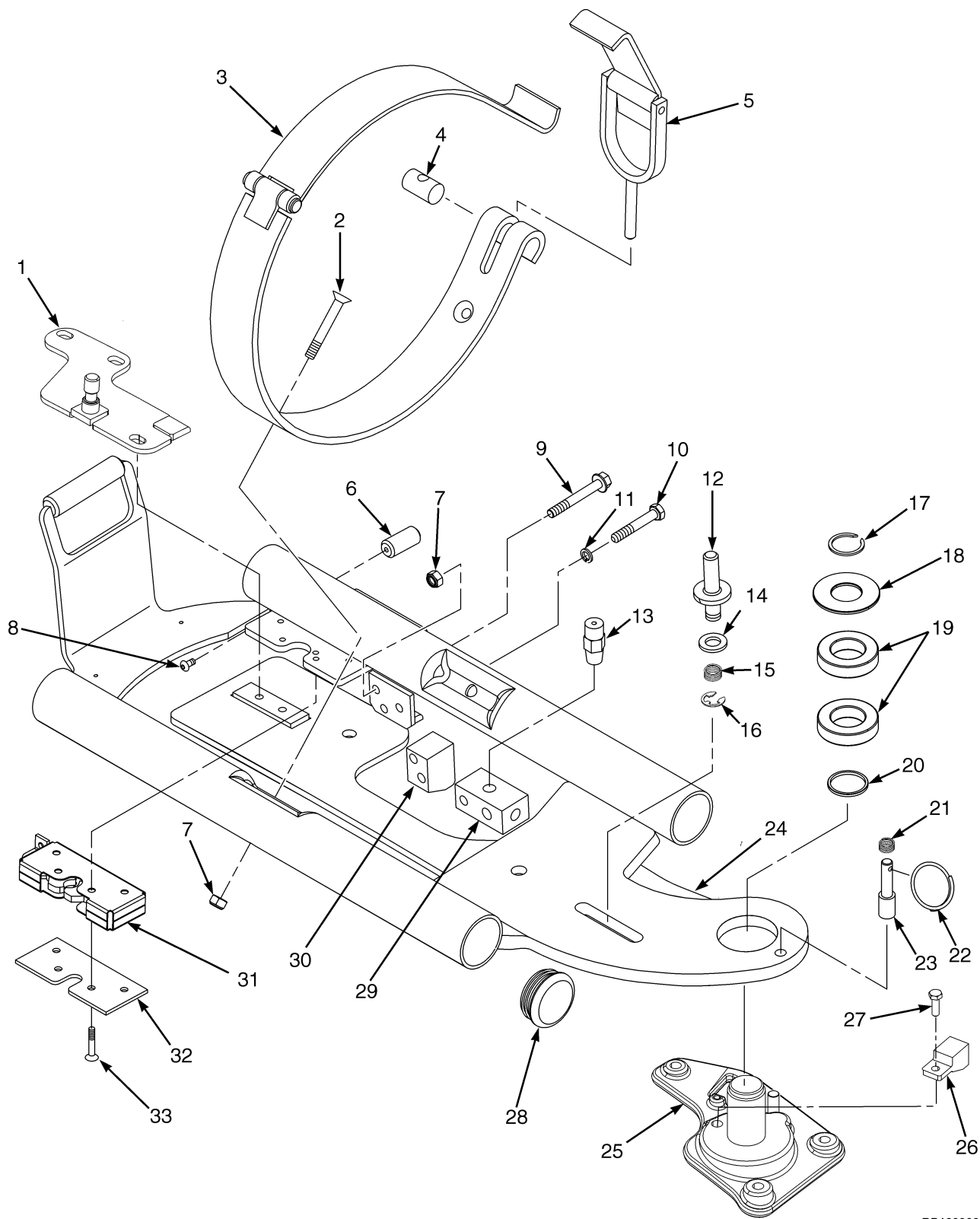


HP130352

**REGULATOR
GM 4.3L LPG**

ITEM	PART NO.	DESCRIPTION	QTY
	2056762	Regulator (LPG)	1
1	1581762	Fitting (Inlet Fitting With O-Ring)	1
2	1581763	Fitting (Outlet Fitting With O-Ring)	1
3	1581764	Drain Plug (With O-Ring).....	1
4	1585751	Screw Kit (With Connector Screw)	1
5	1585748	O-Ring Kit (With Coolant Fitting O-Ring).....	1
6	1585747	Lock-Off Kit.....	1
7	1581761	Filter Replacement Kit	1
7	.....	O-Ring.....	1
7	.....	Plastic Cap.....	1
7	.....	Foam Filter.....	1
7	.....	Paper Filter.....	1
7	.....	Rubber Washer	1
7	.....	Screen.....	1

LPG TANK BRACKET (Figure 3-10) SWING OUT

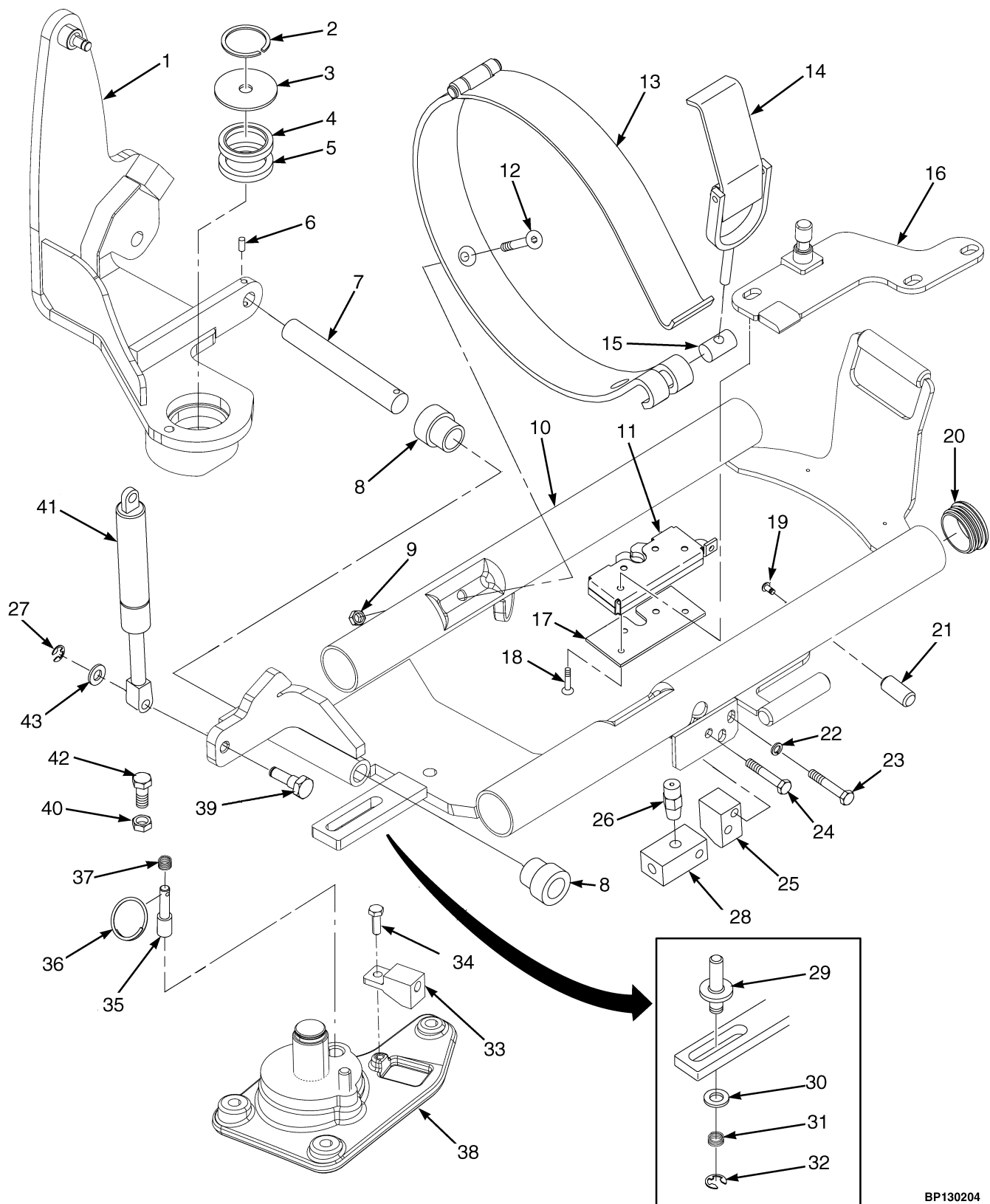


BP130203

**LPG TANK BRACKET
SWING OUT**

ITEM	PART NO.	DESCRIPTION	QTY
	1584086	LPG Bracket Assembly	1
1	1611981	Pin Weldment	1
2	1581733	Capscrew	2
3	1613749	Strap	1
4	1613763	Nut (Adjusting)	1
5	1613755	Latch	1
6	1534677	Pin	1
7	1581739	Nut	4
8	1581740	Capscrew	1
9	1585835	Capscrew	2
10	1581583	Capscrew	1
11	1581898	Washer	1
12	1525459	Pin (Alignment)	1
13	101809	Relief Valve	1
14	1581559	Washer	1
15	1528899	Compression Spring	1
16	182118	Retaining Ring	1
17	34507	Snap Ring	1
18	1568839	Washer (Pivot)	1
19	184451	Ball Bearing	2
20	1568853	Washer	1
21	1528903	Compression Spring	1
22	1534672	Ring	1
23	1534671	Pin	1
24	1582474	Support (Tank)	1
25	1584083	Base	1
26	1581579	Capscrew	1
27	1525451	Fitting	4
28	1398099	Plug	1
29	1534675	Fitting	1
30	1534679	Block (Anti-Rattle)	1
31	1517405	Latch	1
32	1534674	Plate	4
33	1581899	Capscrew (Bulkhead)	1

LPG TANK BRACKET (Figure 3-11) SWING OUT, DROP DOWN

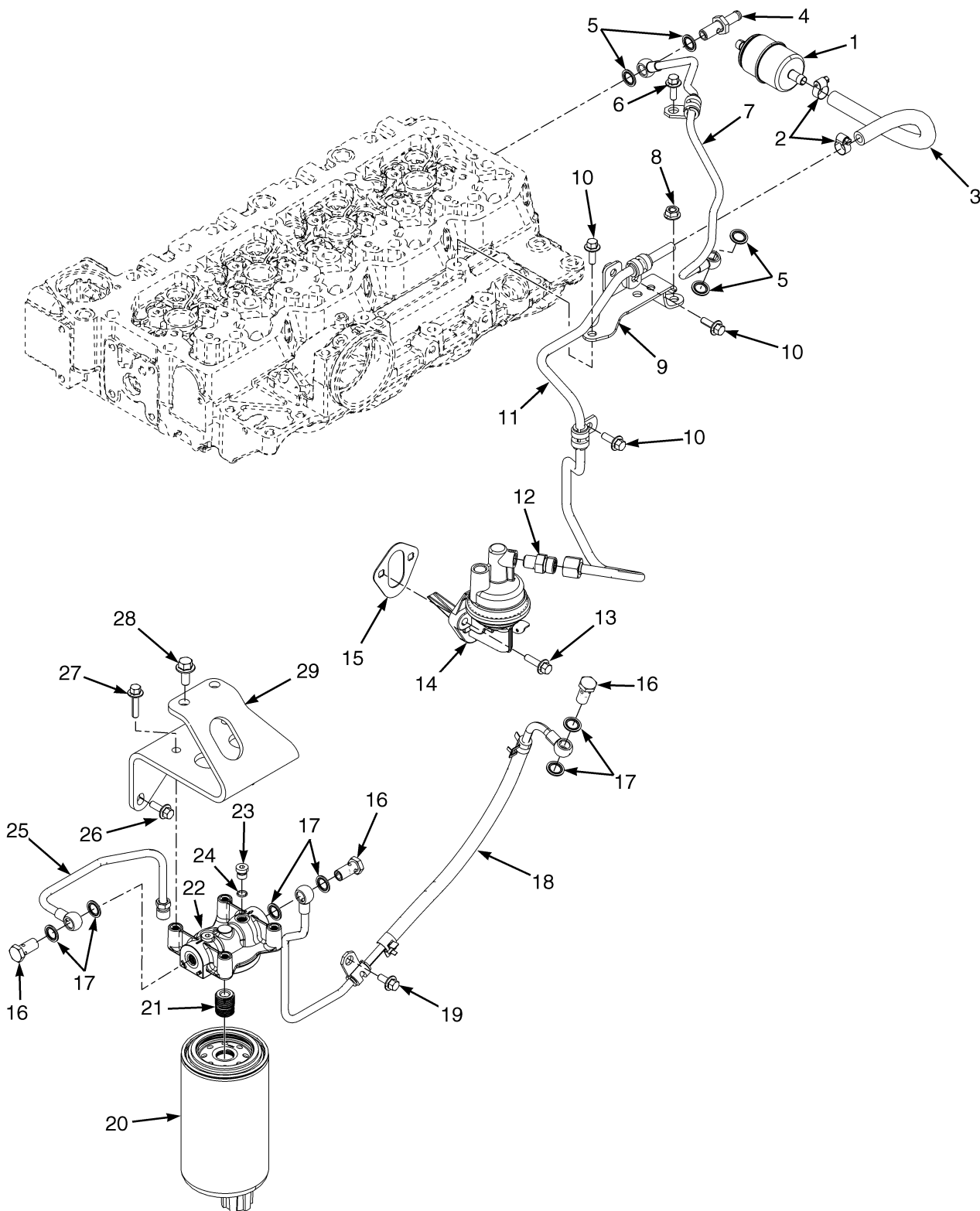


BP130204

**LPG TANK BRACKET
SWING OUT, DROP DOWN**

ITEM	PART NO.	DESCRIPTION	QTY
	1584087	LPG Bracket Assembly	1
1	1517437	Pivot (Intermediate)	1
2	34507	Snap Ring	1
3	1568839	Washer (Pivot)	1
4	184451	Ball Bearing	2
5	1568853	Washer (Thrust)	1
6	302468	Pin	1
7	1581887	Shaft	1
8	1581888	Bushing	2
9	1581739	Nut	4
10	1584091	Tank Support	1
11	1517405	Latch	1
12	1581733	Capscrew	2
13	1613749	Strap	1
14	1613755	Latch	1
15	1613763	Nut (Adjustment)	1
16	1611981	Pin Weldment	1
17	1534674	Plate	1
18	1581899	Capscrew	4
19	1581740	Capscrew	1
20	1398099	Plug	4
21	1534677	Pin	1
22	1581898	Washer	1
23	1585835	Capscrew	2
24	1581583	Capscrew	1
25	1534679	Block (Anti-Rattle)	1
26	101809	Relief Valve	1
27	1525442	Retaining Ring	2
28	1534675	Fitting (Bulkhead)	1
29	1525459	Pin (Alignment)	1
30	1581559	Washer	1
31	1528899	Compression Spring	1
32	182118	Retaining Ring	1
33	1525451	Fitting (Bulkhead)	1
34	1581579	Capscrew	1
35	1615956	Pin	1
36	1534672	Ring	1
37	1528903	Compression Spring	1
38	1584083	Base	1
39	1525478	Pin	1
40	1581848	Nut	1
41	1402414	Gas Spring	1
42	1586022	Capscrew	1
43	1581557	Washer	2

FUEL FILTRATION SYSTEM (Figure 3-12) CUMMINS 4.5L DIESEL

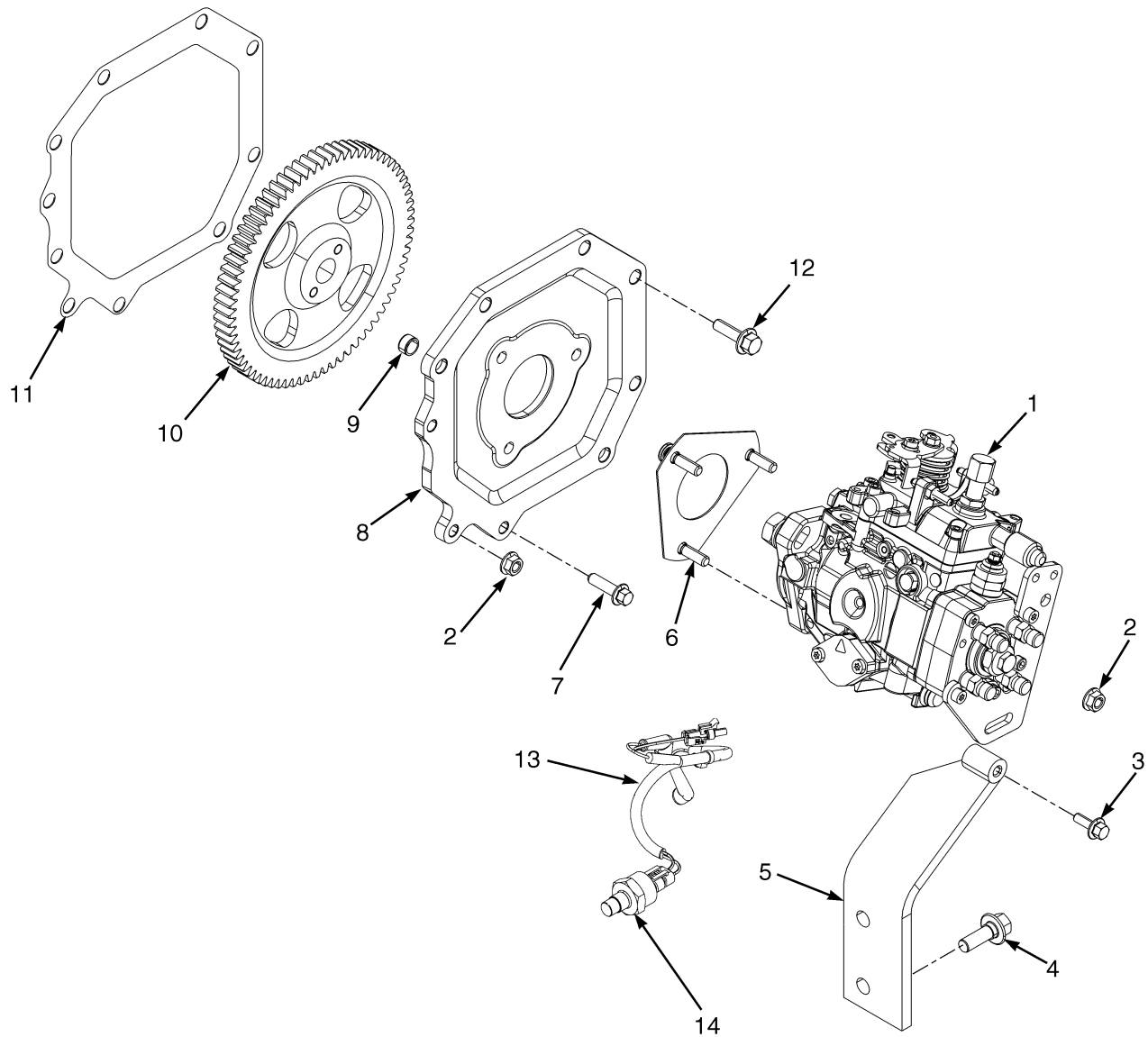


BP130215

**FUEL FILTRATION SYSTEM
CUMMINS 4.5L DIESEL**

ITEM	PART NO.	DESCRIPTION	QTY
1	1637835	Strainer	1
2	1516981	Clamp	2
3	1637836	Hose	1
4	1641748	Banjo Bolt	1
5	1543359	Sealing Washer	4
6	1512004	Capscrew.....	2
7	1637837	Tube	1
8	1513712	Nut	1
9	.....	Brace	1
10	1512004	Capscrew.....	4
11	1637821	Tube (Fuel Supply)	1
12	.....	Union Fitting	1
13	1512005	Capscrew.....	2
14	1596646	Fuel Pump	1
15	1513743	Gasket (Cover Plate)	1
16	1641748	Banjo Bolt	3
17	1543359	Sealing Washer	6
18	1637837	Tube	1
19	1511970	Capscrew.....	1
20	1543356	Fuel Filter.....	1
20	.....	Water Sensor	1
21	1637819	Adapter	1
22	1637818	Filter Head	1
23	1517010	Plug Assembly	2
24	.....	O-Ring	2
25	1637820	Tube	1
26	1511970	Capscrew.....	1
27	1512460	Capscrew.....	2
28	1512423	Capscrew.....	4
29	.....	Bracket.....	1

FUEL INJECTION PUMP AND GEAR (Figure 3-13) CUMMINS 4.5L DIESEL

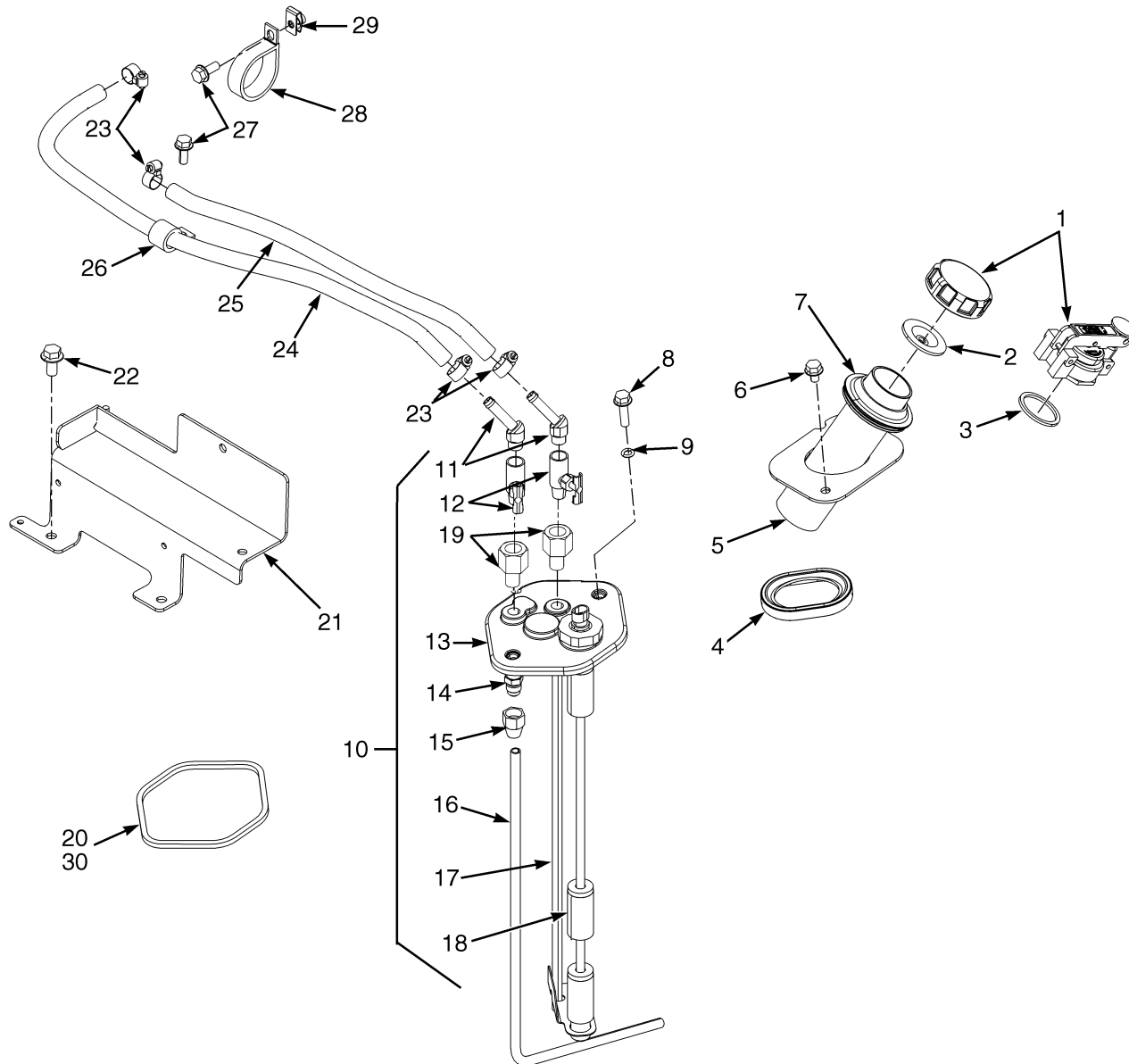


BP130213

**FUEL INJECTION PUMP AND GEAR
CUMMINS 4.5L DIESEL**

ITEM	PART NO.	DESCRIPTION	QTY
1	1637828	Fuel Injection Pump	1
2	1513712	Nut	4
3	1512004	Capscrew	1
4	1511953	Capscrew	2
5	1637831	Bracket	1
6	1601894	Gasket	1
7	1635220	Capscrew	2
8	1640963	Adapter	1
9	1637832	Dowel	2
10	1637833	Gear	1
11	1637830	Gasket	1
12	1543337	Capscrew	6
13	1640965	Wire Harness	1
14	1640964	Switch (Temperature)	1

FUEL SYSTEM (Figure 3-14) CUMMINS 4.5L DIESEL



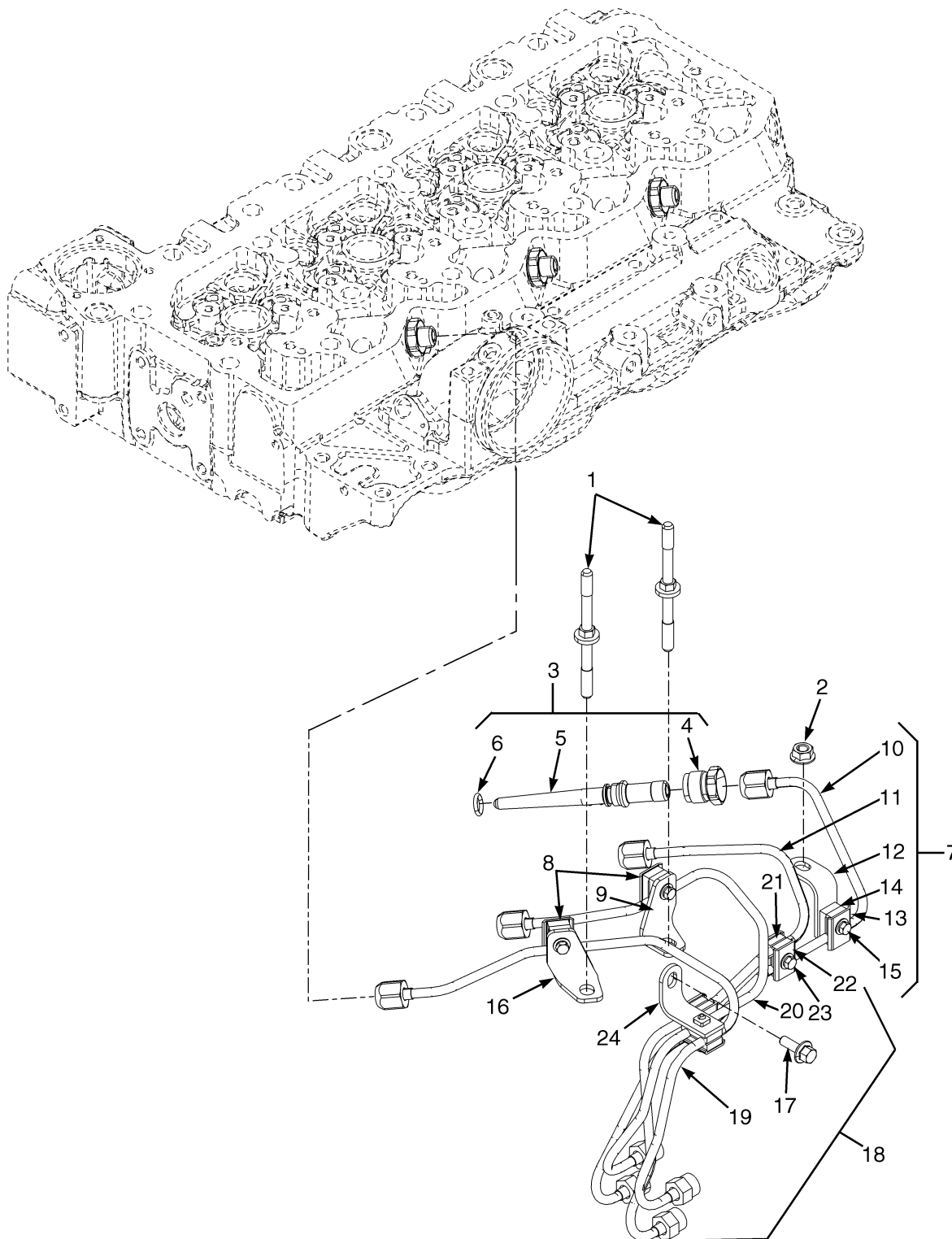
BP130226

**FUEL SYSTEM
CUMMINS 4.5L DIESEL**

ITEM	PART NO.	DESCRIPTION	QTY
1	2081840	Fuel Cap	1
1	a 1579677	Fuel Cap	1
2	2021683	Gasket	1
3	a 2021685	Gasket	1
3	a 325549	Shim (0.020 in.)	1
4	1528314	Seal	1
5	1564392	Pipe (Fill)	1
6	1529366	Capscrew.....	2
7	1528608	Grommet.....	1
8	1527881	Capscrew.....	2
9	353000	O-Ring	2
10	1583551	Fuel Sender Assembly.....	1
11	16694	Fitting.....	2
12	16190	Valve (Shut Off)	2
13	1584171	Cover	1
14	16134	Fitting.....	2
15	16121	Fitting.....	1
16	1638500	Tube.....	1
17	1571662	Tube.....	1
18	1371159	Fuel Sender.....	1
19	12855	Fitting.....	2
20	1528893	Quadrant Ring	1
21	1603943	Bracket.....	1
22	1527883	Capscrew.....	2
23	168718	Clamp (Worm Screw)	8
24	1635047	Hose	1
25	1635046	Hose	1
26	89220	Clamp	1
27	1527880	Capscrew.....	2
28	181899	Clamp	1
29	1480237	Clip Nut.....	2
30	2058000	Adhesive	AR

FOOTNOTES:**a** Safety Truck Only

FUEL INJECTION (Figure 3-15) CUMMINS 4.5L DIESEL

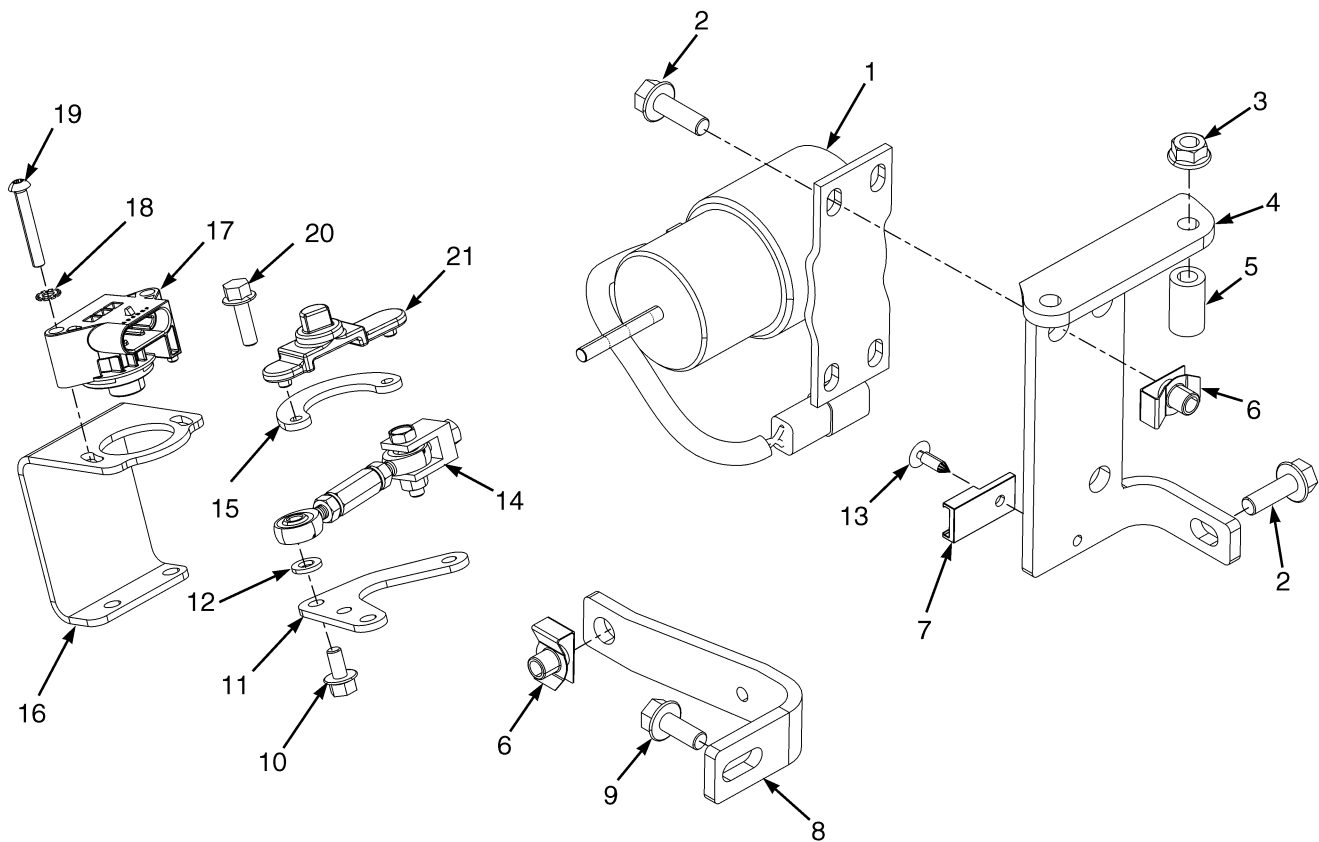


BP130216

**FUEL INJECTION
CUMMINS 4.5L DIESEL**

ITEM	PART NO.	DESCRIPTION	QTY
1	1642028	Hex Flange Head Screw	2
2	1513712	Nut	1
3	1637871	Connector Assembly.....	4
4	1635264	Retainer.....	4
5	.....	Connector.....	1
6	1637934	O-Ring.....	1
7	.....	Tube Assembly (Injector Fuel Supply)	1
8	1642031	Bracket	1
9	1642033	Bracket	1
10	1637932	Tube.....	1
11	1637931	Tube.....	1
12	1642036	Brace	1
13	1514498	Brace	1
14	1514501	Isolator.....	2
14	1517198	Isolator.....	4
15	1514504	Capscrew	3
16	1642032	Brace	2
17	1512004	Capscrew.....	1
18	.....	Tube Assembly (Injector Fuel Supply)	1
19	1637930	Tube.....	1
20	1637929	Tube.....	1
21	1514501	Isolator.....	2
21	1517198	Isolator.....	4
22	1514498	Brace	1
23	1514504	Capscrew	3
24	1642030	Brace	1

ELECTRONIC THROTTLE LINKAGE (Figure 3-16) CUMMINS 4.5L DIESEL

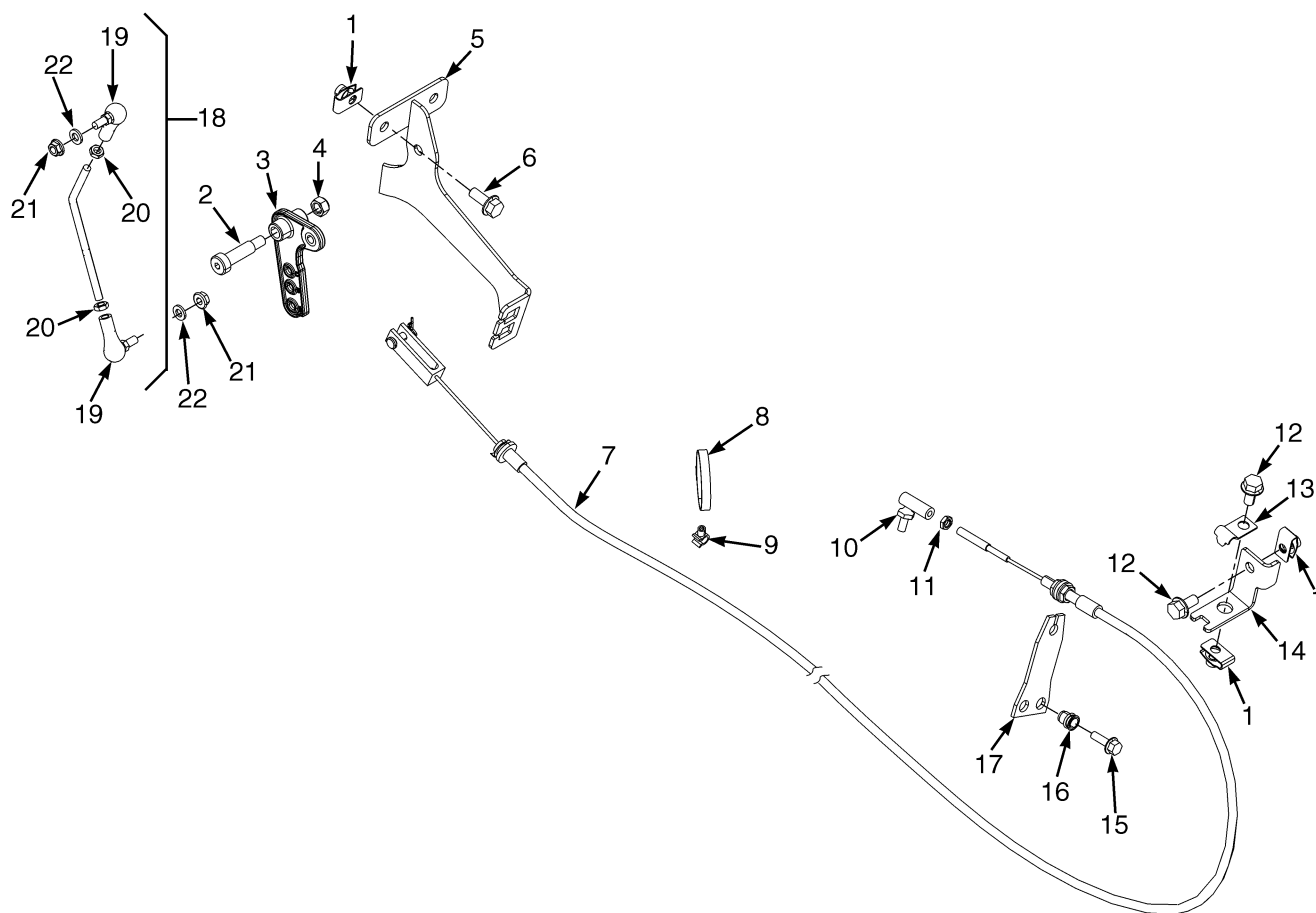


BP130212

**ELECTRONIC THROTTLE LINKAGE
CUMMINS 4.5L DIESEL**

ITEM	PART NO.	DESCRIPTION	QTY
1	1542772	Actuator (Pull).....	1
2	1510113	Capscrew.....	4
3	1502543	Nut (Flange).....	2
4	1616425	Bracket.....	1
5	1616422	Spacer	2
6	1398062	Nut	4
7	1500912	Clip	1
8	1501883	Bracket.....	1
9	1527880	Capscrew.....	1
10	1534417	Capscrew.....	3
11	1501899	Adapter	1
12	320156	Washer	1
13	1344124	Fastener.....	1
14	1542773	Electronic Throttle Linkage	1
15	1626774	Plate	1
16	1626732	Bracket.....	1
17	2080376	Throttle Position Sensor	1
18	296378	Washer	2
19	1553897	Capscrew.....	2
20	1527877	Capscrew.....	1
21	2078335	Rotor.....	1

THROTTLE CABLE ASSEMBLY (Figure 3-17) CUMMINS 4.5L DIESEL

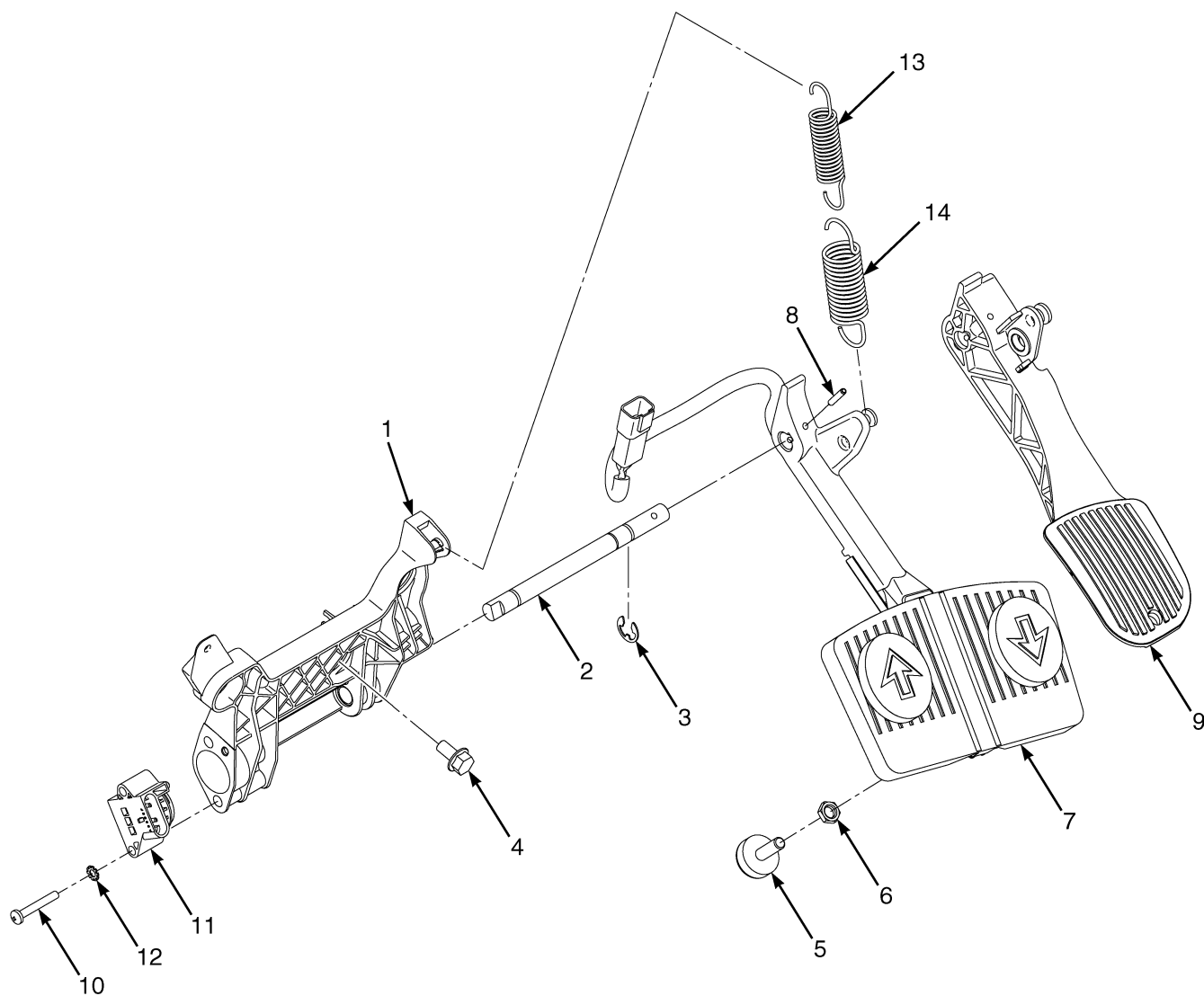


BP130199

**THROTTLE CABLE ASSEMBLY
CUMMINS 4.5L DIESEL**

ITEM	PART NO.	DESCRIPTION	QTY
1	1480237	Clip Nut.....	4
2	1399802	Bolt	1
3	1538162	Bellcrank.....	1
4	302400	Locknut	1
5	1609374	Bracket (Throttle Cable).....	1
6	1527880	Capscrew.....	2
7	1618987	Throttle Cable	1
8	1502061	Clamp	1
9	1542440	Clamp (Swivel).....	1
10	1625026	Ball Joint	1
11	1593334	Nut	1
12	1527879	Capscrew.....	2
13	1618988	Clamp	1
14	1618986	Bracket.....	1
15	1527877	Capscrew.....	2
16	1531558	Insert.....	2
17	1618985	Bracket.....	1
18	1624014	Push Rod Assembly	1
18	.....	Push Rod.....	1
19	2027949	Joint Ball.....	2
20	2308541	Jam Nut	2
21	1514429	Nut (Flange).....	2
22	320156	Washer	2

THROTTLE PEDAL AND ATTACHING PARTS (Figure 3-18)



HP130383

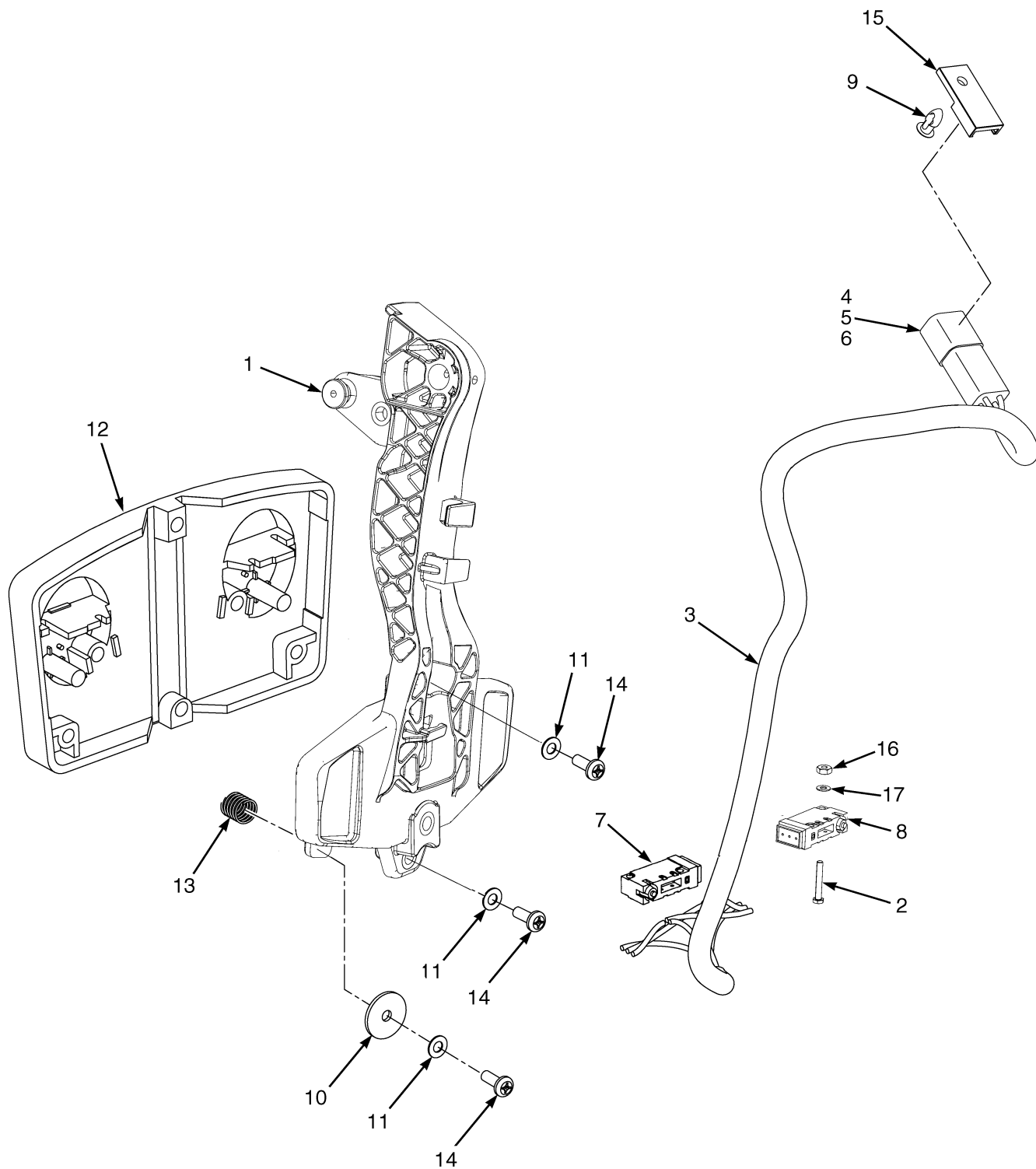
THROTTLE PEDAL AND ATTACHING PARTS

ITEM		PART NO.	DESCRIPTION	QTY
1	c	1538488	Throttle Base	1
1	d	1654411	Throttle Base	1
1		1524267	Bushing	1
2	c	1521005	Shaft	1
2	d	1654754	Shaft	1
3		1530971	Retaining Ring	1
4		1527879	Capscrew.....	3
5		1530311	Screw (Stop).....	1
6		329069	Nut	1
7		1608412	Monotrol Pedal Assembly (Figure 3-19)	1
8	a	302437	Roll Pin	1
8	b	302443	Pin	1
9		2071181	Pedal (Standard).....	1
10		1564752	Screw.....	2
11		2063842	Throttle Position Sensor	1
12		296378	Washer	2
13		1582301	Spring (Inner).....	1
14		1582300	Spring (Outer).....	1

FOOTNOTES:

- a** For Use With Monotrol Pedal Only
- b** For Use With Standard Pedal Only
- c** ⇒ S/N N005V02250E
- d** S/N N005V02251E ⇒

MONOTROL PEDAL ASSEMBLY (Figure 3-19)



BP130201

MONOTROL PEDAL ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY
	1608412	Monotrol Pedal Assembly	1
1	2074702	Pedal	1
2	220428	Capscrew	4
3	2072782	Wire Harness	1
4	1330416	Secondary Lock	1
5	1489655	Connector (4 Way)	1
6	1531312	Terminal	4
7	.....	Switch	1
8	.....	Switch	1
9	1564526	Clip (Key Hole)	1
10	362036	Washer	2
11	15931	Lockwasher	4
12	1340470	Pad	1
13	325699	Spring	2
14	16708	Screw	4
15	1500912	Clip	1
16	16865	Nut.....	4
17	53162	Lockwasher	4

[illegible]

4

ELECTRICAL SYSTEM

SECTION 4 ELECTRICAL SYSTEM

DESCRIPTION	PAGE
ALTERNATOR AND MOUNTING	
CUMMINS 4.5L DIESEL	4-26
BATTERY CABLES	
CUMMINS 4.5L DIESEL	4-24
GM 4.3L GASOLINE AND LPG	4-14
COWL ELECTRICAL	4-32
DISTRIBUTOR ASSEMBLY	
GM 4.3L GASOLINE AND LPG	4-16
ELECTRICAL SYSTEM	
RIGHT HAND CHASSIS	4-4
ELECTRONIC CONTROL LEVERS	4-38
ENGINE ELECTRICAL SYSTEM	
CUMMINS 4.5L DIESEL	4-18
GM 4.3L	
GASOLINE AND LPG	4-8
GS AND LPS	4-10
ENGINE SAFETY ELECTRICAL	
CUMMINS 4.5L DIESEL	4-22
IMPACT SENSOR	4-48
INSTRUMENT CLUSTER	4-34
JOYSTICK	4-36
LIGHTS	
STOP, TAIL, TURN, BACKUP, AND STROBE	
WITH CAB	4-40
WITH OVERHEAD GUARD	4-42
LOAD WEIGH ELECTRICAL	4-50
MAST ELECTRICAL	4-46
POWER DISTRIBUTION MODULE	4-30
REMOTE KEY SWITCH	4-6
SEALED ALTERNATOR AND MOUNTING	
GM 4.3L, GASOLINE AND LPG	4-29
STARTER AND MOUNT	
CUMMINS 4.5L DIESEL	4-28
TRANSMISSION ELECTRICAL SYSTEM	4-44
WIRE HARNESS	
COWL WITH FORWARD/REVERSE LEVER	4-84
COWL WITH MONOTROL PEDAL	4-80
CUMMINS 4,5L DIESEL	4-94
ELECTRONIC CONTROL VALVE	
FOUR FUNCTION	4-90
THREE FUNCTION	4-88
ENGINE	
GM 4.3L, GASOLINE	4-68
GM 4.3L, LPG	4-70
GM 4.3L GASOLINE AND LPG	
RIGHT HAND CHASSIS	4-52
GM 4.3L LPG	
LEFT HAND CHASSIS	4-64
GM 4.3L, GASOLINE	
LEFT HAND CHASSIS	4-66

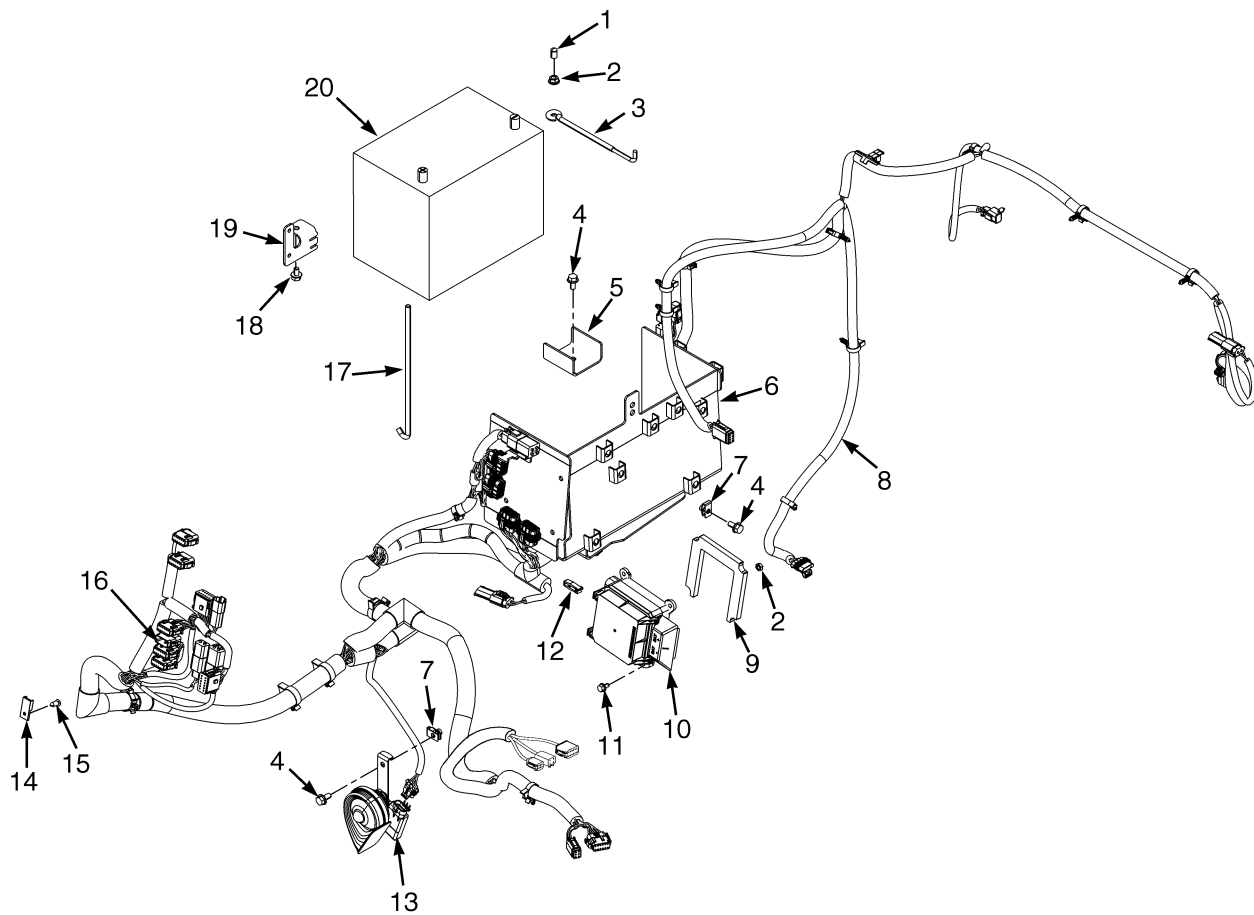
SECTION 4

ELECTRICAL SYSTEM (Continued)

DESCRIPTION	PAGE
JOYSTICK.....	4-92
LIGHTS	
WITH OVERHEAD GUARD	4-98
RIGHT HAND CHASSIS	
CUMMINS 4.5L DIESEL	4-58
SEALED ALTERNATOR	
CUMMINS 4.5L DIESEL	4-74
GM 4.3L GS AND LPS	4-72
TRANSMISSION	
DUAL SPEED.....	4-78
SINGLE SPEED	4-76

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ELECTRICAL SYSTEM (Figure 4-1) RIGHT HAND CHASSIS



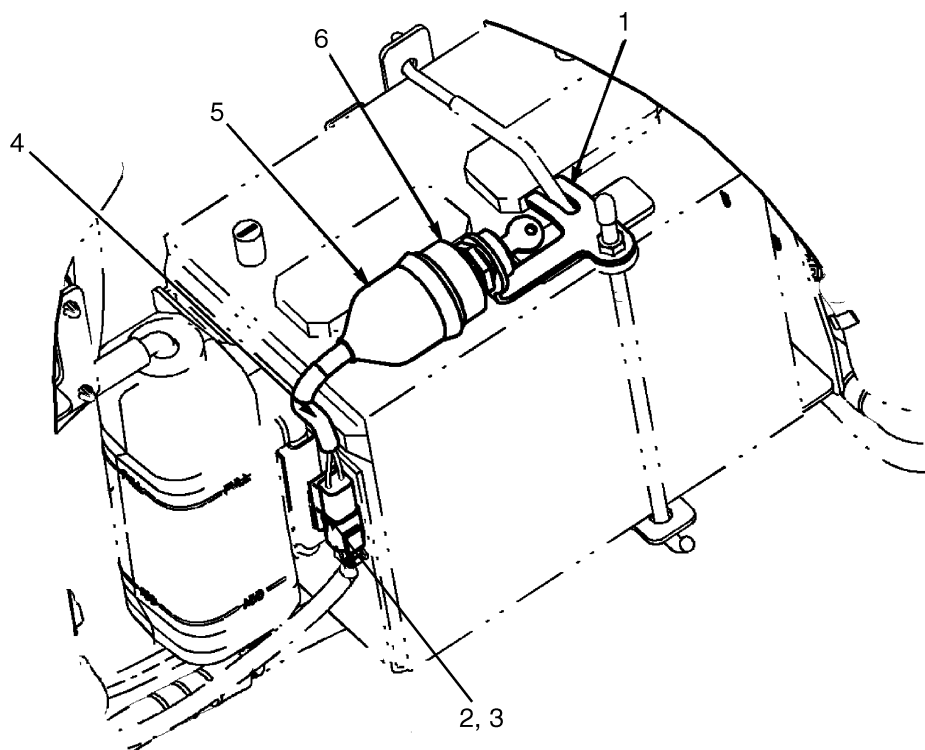
BP080484

**ELECTRICAL SYSTEM
RIGHT HAND CHASSIS****KEY:****A: GM 4.3L****B: Cummins 4.5L**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1540805	Cap	1	1
2	1502543	Nut (Flange).....	3	3
3	c 1638706	Link (Battery Hold Down).....	1	1
3	d 1641368	Link (Battery Hold Down).....	1	1
4	1527879	Capscrew.....	7	4
5	1584143	Bracket.....	1	..
6	c 1648387	Battery Tray.....	1	1
6	d 1648991	Battery Tray.....	1	1
7	1480237	Clip Nut.....	7	4
8	2093509	Wire Harness (RH Chassis) (Gasoline and LPG) (☞ Figure 4-24)	1	..
8	2092544	Wire Harness (RH Chassis) (Diesel) (☞ Figure 4-25)	..	1
9	1559928	Seal	1	1
10	2090613	Power Distribution Module (☞ Figure 4-13)	1	1
11	1534417	Capscrew.....	4	4
12	1402883	Fuse Puller	1	1
13	a 1527264	Horn.....	1	1
13	b 1618978	Horn.....	1	1
14	1500912	Clip	4	4
15	1582464	Fastener.....	6	6
16	1593331	Connector	1	..
17	2065745	Link (Battery Hold Down).....	1	1
18	1529366	Capscrew.....	1	1
19	1611542	Bracket.....	1	1
20	1383331	Battery (Wet)	1	1

FOOTNOTES:**a** ⇒ S/N N005V01515D**b** S/N N005V01516D ⇒**c** ⇒ PENDING PER ECN 10402518**d** PENDING PER ECN 10402518 ⇒

REMOTE KEY SWITCH (Figure 4-2)



BP080556

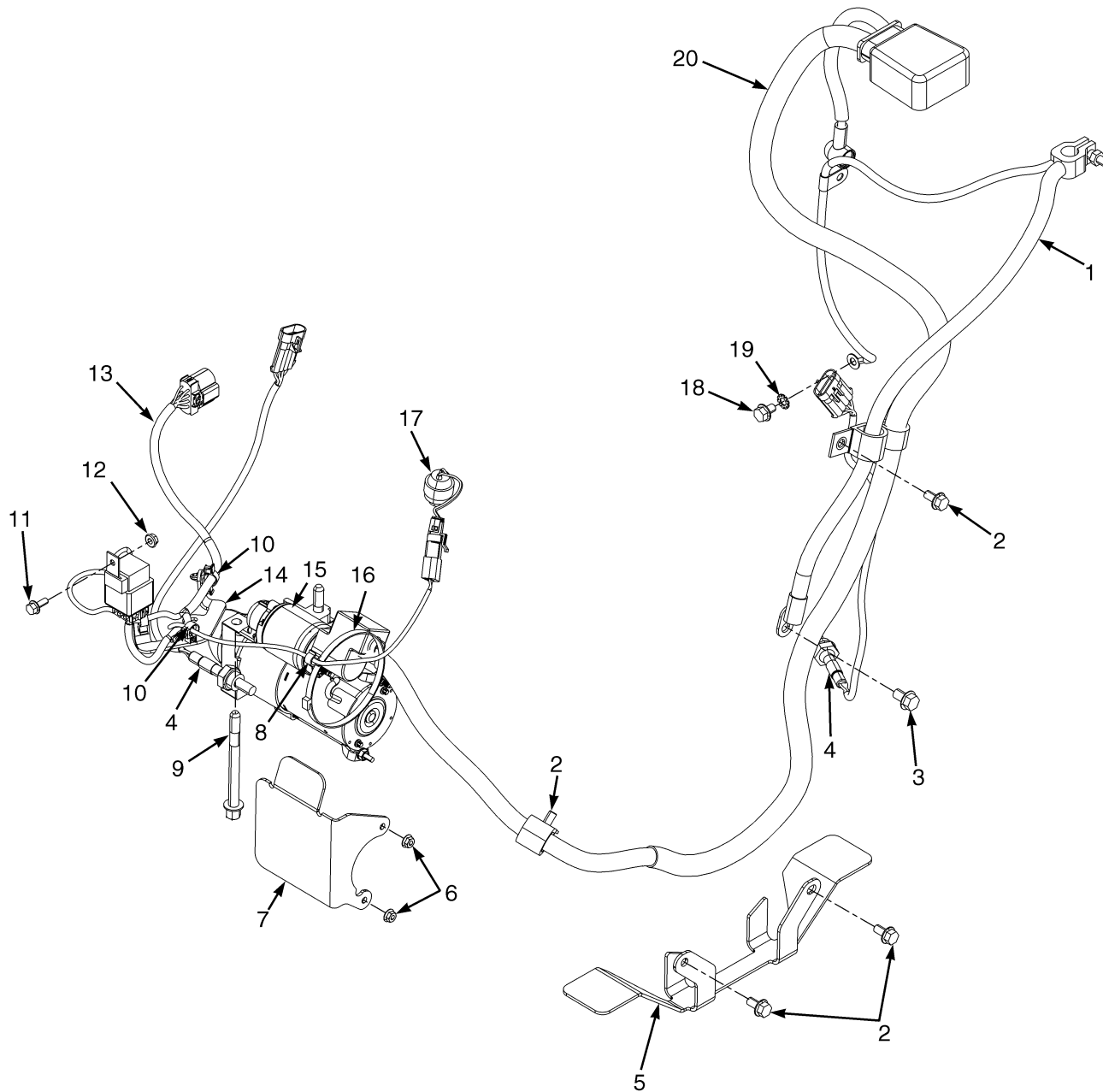
ITEM	PART NO.	DESCRIPTION	QTY
1	1582337	Bracket.....	1
2	1500912	Clip	1
3	1582464	Fastener.....	1
4	a 2074320	Wire Harness (Remote Keyswitch)	1
4	b 2058110	Wire Harness (Remote Keyswitch)	1
4	1493465	Connector.....	1
4	1330414	Secondary Lock.....	1
4	1330437	Terminal (Pin)	2
4	1521309	Terminal.....	2
5	190380	Boot	1
6	a 254007	Ignition Switch	1
6	b 2058111	Ignition Switch	1
6	262798	Ignition Key	1

FOOTNOTES:

a ⇒ PENDING PER ECN 10419490**b** PENDING PER ECN 10419490 ⇒

[illegible]

ENGINE ELECTRICAL SYSTEM (Figure 4-3) GM 4.3L GASOLINE AND LPG



BP080525

ENGINE ELECTRICAL SYSTEM

GM 4.3L

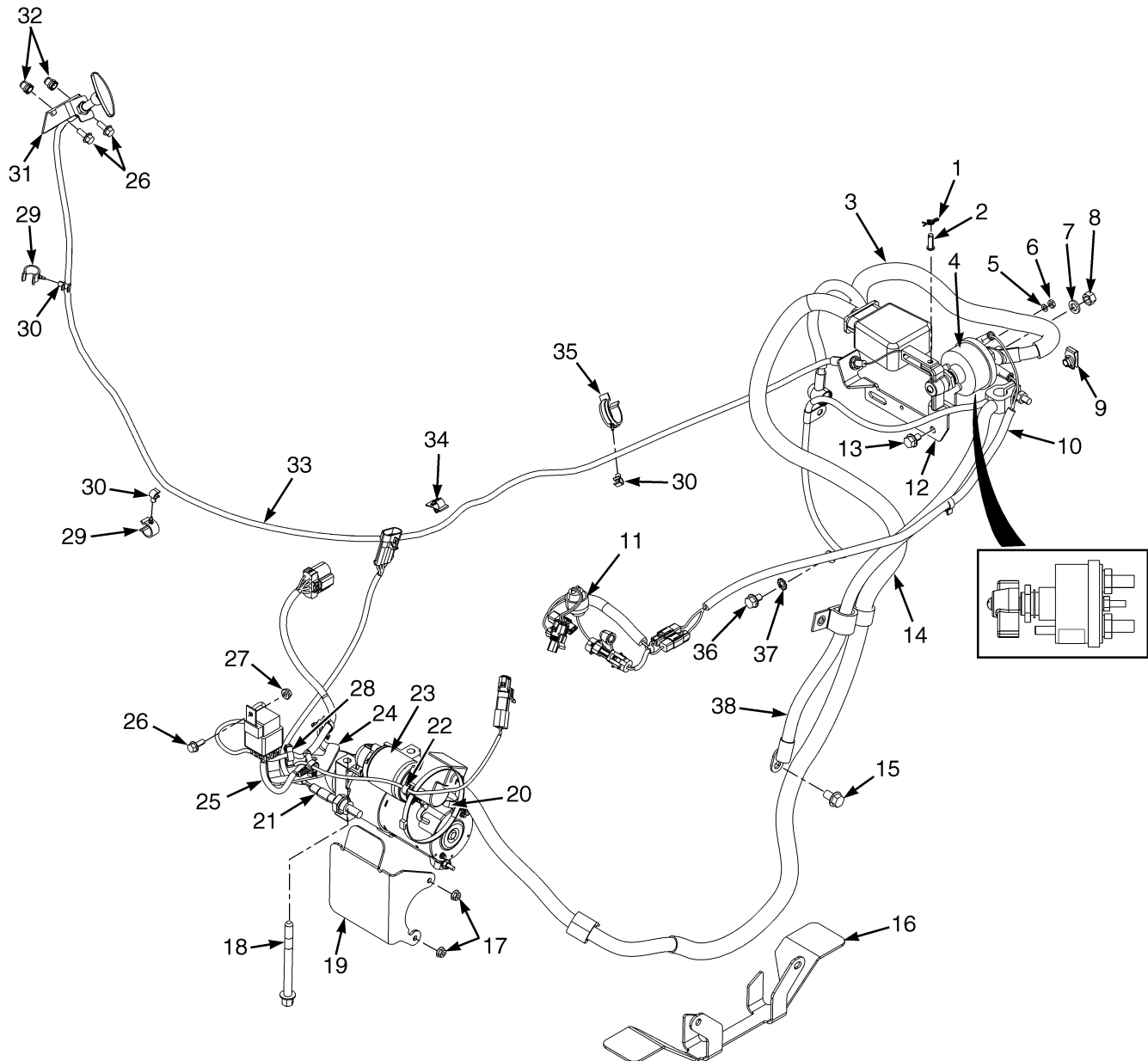
GASOLINE AND LPG

KEY:**A: Gasoline****B: LPG**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	2093469	Battery Cable (Negative) (☞ Figure 4-5)	1	1
2	1527879	Capscrew.....	4	4
3	1309993	Flange Bolt	1	1
4	1557546	Oxygen Sensor (With Wire Harness)	1	1
5	1632294	Bracket.....	1	1
6	264148	Nut	2	2
7	1640818	Bracket.....	1	1
8	1561871	Clamp (Swivel).....	1	2
9	1397716	Bolt	2	2
10	1402816	Clip	2	..
11	1527876	Capscrew.....	1	1
12	1514429	Nut (Flange).....	1	1
13	2079115	Wire Harness (LH Chassis) (☞ Figure 4-27)	1	..
13	2079116	Wire Harness (LH Chassis) (☞ Figure 4-26)	..	1
14	1402629	Bracket.....	1	1
15	1640531	Starter.....	1	1
16	1502061	Clamp	1	1
17	1529257	Sensor (Air Flow Restriction)	1	1
18	1529366	Capscrew.....	1	1
19	296380	Lockwasher.....	2	2
20	2072157	Battery Cable (Positive) (☞ Figure 4-5)	1	1
	a 292668	Nut	1	1
	a 1502543	Nut (Flange).....	1	1

FOOTNOTES:**a** Not Illustrated

ENGINE ELECTRICAL SYSTEM (Figure 4-4) GM 4.3L GS AND LPS



BP080524

ENGINE ELECTRICAL SYSTEM

GM 4.3L

GS AND LPS

KEY:**A: GS****B: LPS**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1517361	Lock Ring.....	1	1
2	126	Rod End Pin	1	1
3	2071501	Battery Cable.....	1	1
3	148792	Terminal.....	1	1
3	204223	Boot.....	1	1
3	1536304	Boot.....	1	1
4	1578660	Emergency Stop Switch	1	1
5	15916	Lockwasher.....	2	2
6	15002	Nut	2	2
7	15156	Lockwasher.....	2	2
8	17407	Nut	2	2
9	1480237	Clip Nut.....	2	2
10	2094582	Wire Harness (Sealed Alternator) (☞ Figure 4-30)	1	1
11	1529257	Sensor (Air Flow Restriction).....	1	1
12	b 1646410	Bracket.....	1	1
12	c 1648116	Bracket.....	1	1
13	1527879	Capscrew.....	4	4
14	2093470	Battery Cable (Positive) (☞ Figure 4-5)	1	1
15	1309993	Flange Bolt	1	1
16	1632294	Bracket.....	1	1
17	264148	Nut	2	2
18	1397716	Bolt	2	2
19	1640818	Bracket.....	1	1
20	1502061	Clamp	1	1
21	1557546	Oxygen Sensor (With Wire Harness)	1	1
22	1561871	Clamp (Swivel).....	1	2
23	1640531	Starter.....	1	1
24	1402629	Bracket.....	1	..
25	2079115	Wire Harness (LH Chassis) (☞ Figure 4-27)	1	..
25	2079116	Wire Harness (LH Chassis) (☞ Figure 4-26)	..	1
26	1527876	Capscrew.....	3	3
27	1514429	Nut (Flange).....	1	1
28	1402816	Clip	2	..
29	1543698	Clamp (Swivel).....	2	2
30	1542440	Clamp (Swivel).....	3	3
31	1565382	Bracket.....	1	1
32	1531558	Insert.....	2	2
33	2083129	Cable	1	1
34	1562088	Clip	1	1
35	1561759	Clamp (Swivel).....	1	1
36	1529366	Capscrew.....	1	1
37	296380	Lockwasher.....	1	1
38	2093469	Battery Cable (Negative) (☞ Figure 4-5)	1	1
	a 1502543	Nut (Flange).....	1	1

**ENGINE ELECTRICAL SYSTEM
GM 4.3L
GS AND LPS**

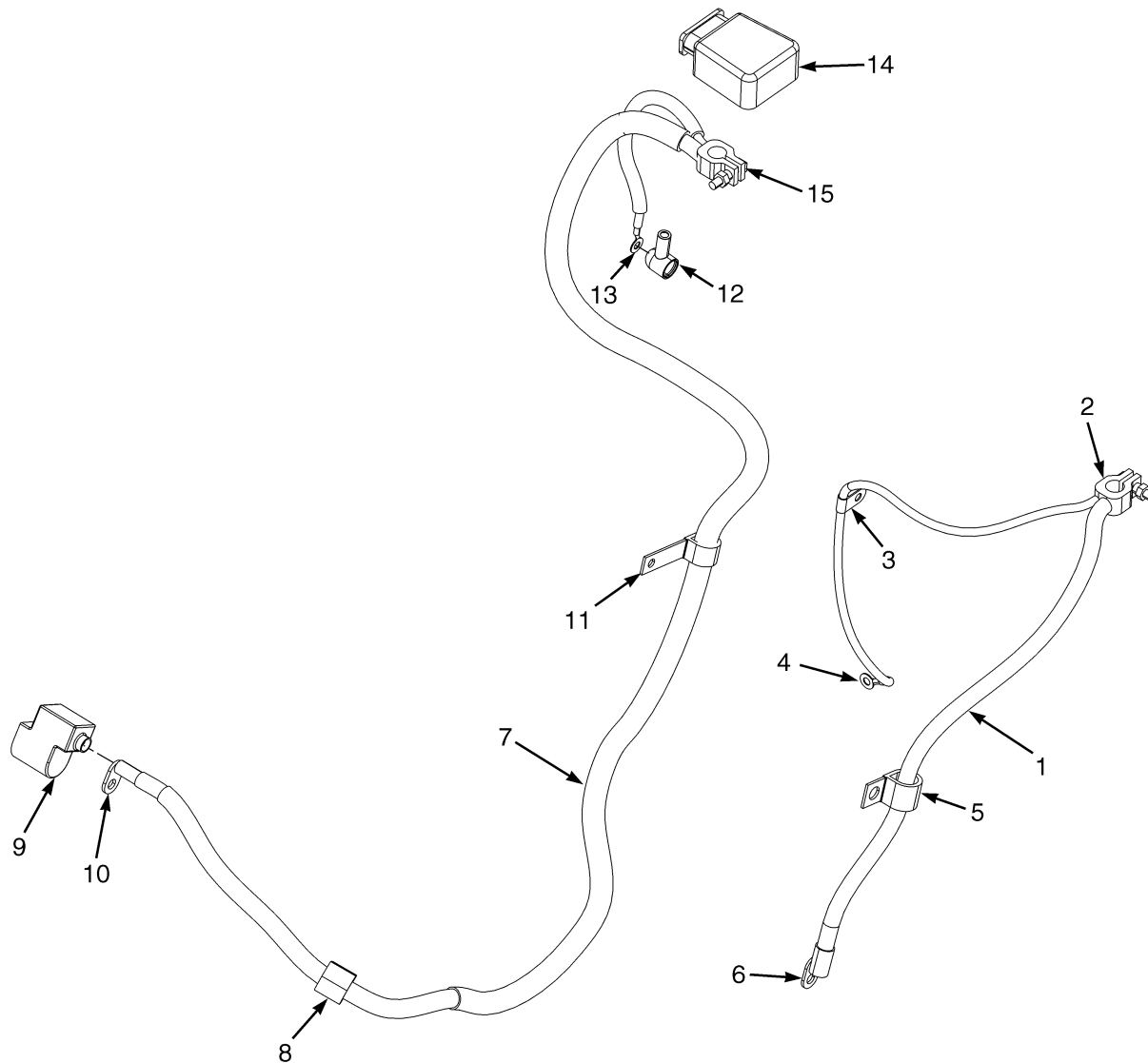
ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	a 292681	Lockwasher.....	1	1
	a 292668	Nut	1	1

FOOTNOTES:

- a** Not Illustrated
b ⇒ D/B 11/2006
c D/B 11/2006 ⇒

[illegible]

BATTERY CABLES (Figure 4-5) GM 4.3L GASOLINE AND LPG



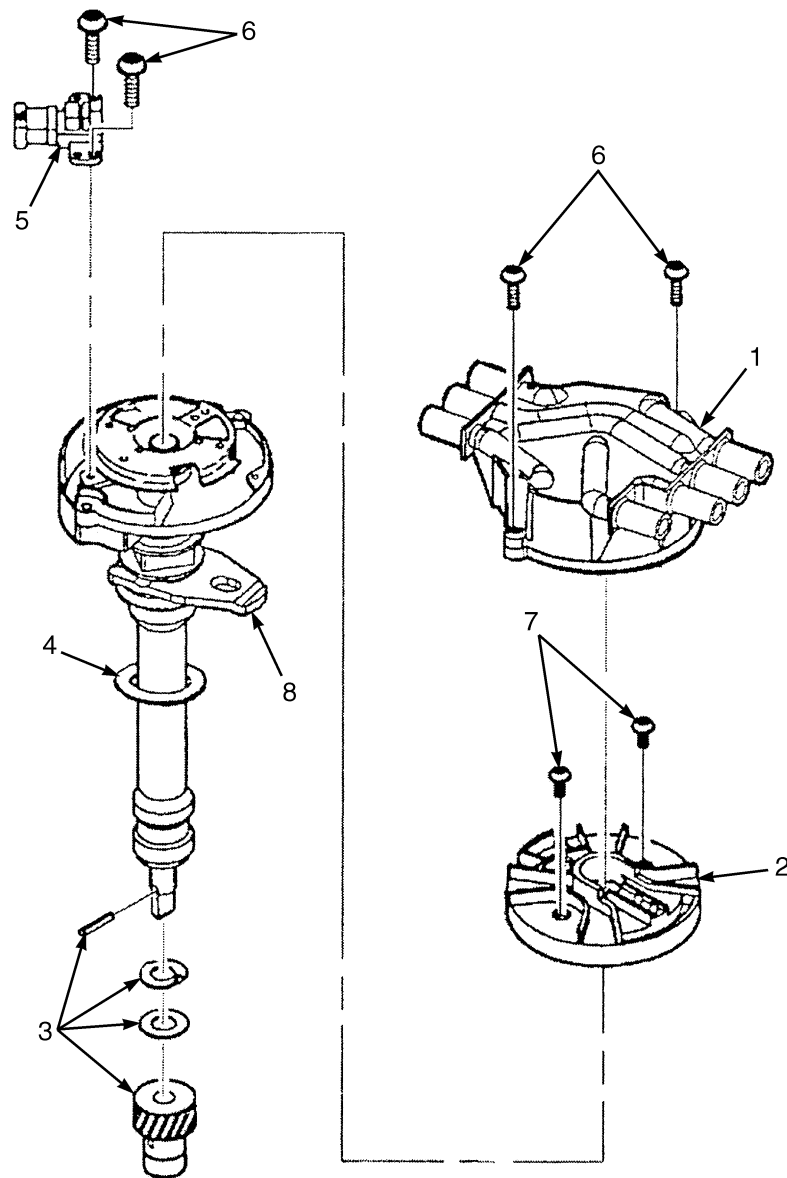
BP080526

BATTERY CABLES

GM 4.3L GASOLINE AND LPG

ITEM	PART NO.	DESCRIPTION	QTY
1	2093469	Battery Cable (Negative)	1
2	148789	Terminal.....	1
3	1564044	Fitting.....	1
4	806426	Terminal.....	1
5	153070	Clamp	1
6	16079	Terminal.....	1
7	2072157	Battery Cable (Positive)	1
7	2093470	Battery Cable (Positive, GS/LPS)	1
8	153070	Clamp	1
9	1590173	Boot.....	1
10	1590154	Terminal.....	1
11	1474893	Clamp	1
12	1566146	Boot.....	1
13	806426	Terminal.....	1
14	1536304	Boot.....	1
14	204223	Boot (GS/LPG)	1
15	148792	Terminal.....	1
15	148795	Terminal (GS/LPG)	1

DISTRIBUTOR ASSEMBLY (Figure 4-6) GM 4.3L GASOLINE AND LPG

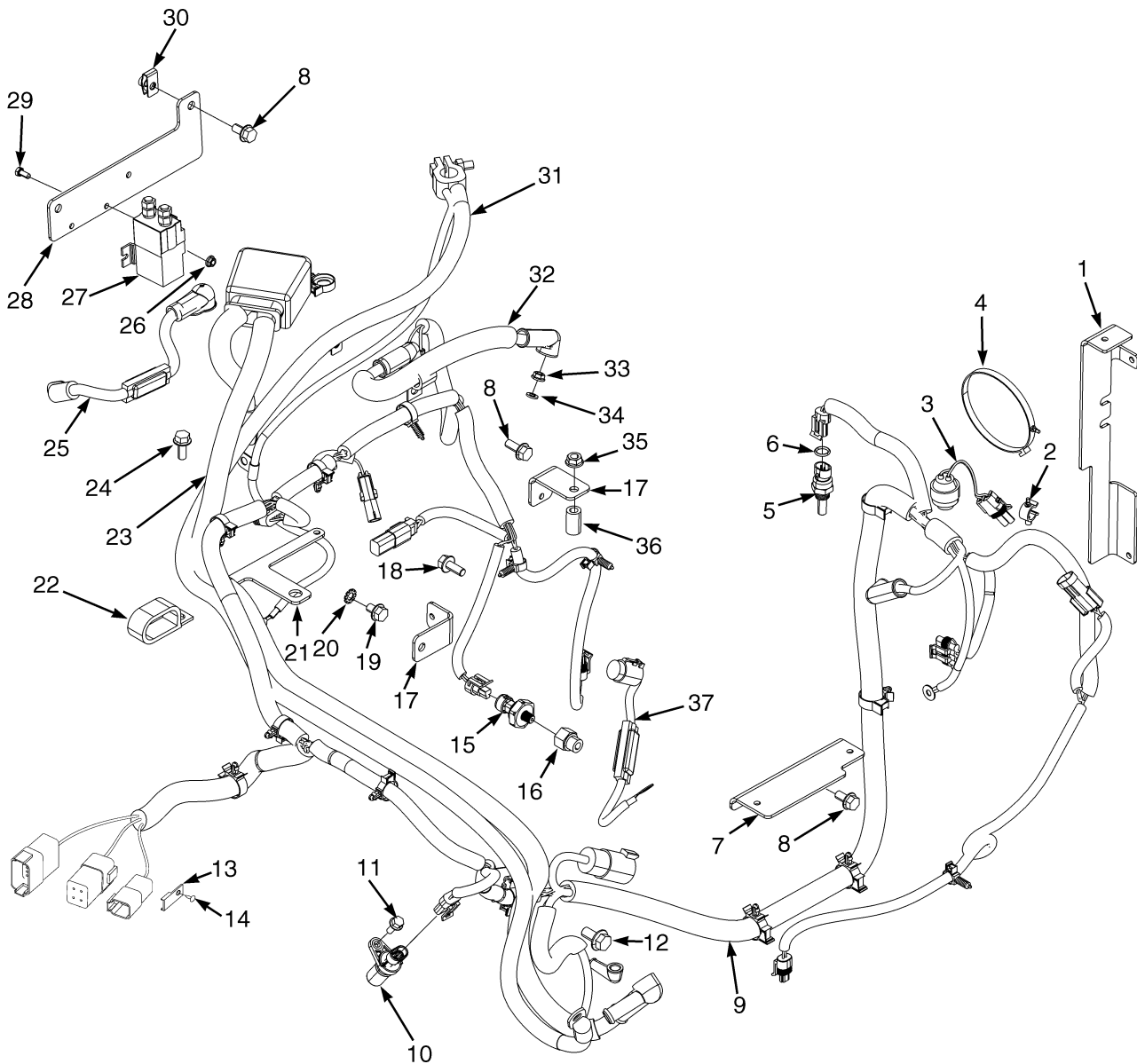


BP080184

ITEM	PART NO.	DESCRIPTION	QTY
	1559695	Distributor	1
1	1566458	Cap.....	1
2	1566459	Rotor.....	1
3	1559922	Gear Kit	1
4	1334423	Gasket	1
5	1559923	Sensor (Cam)	1
6	1559924	Screw	4
7	1559925	Screw	2
8	1335497	Clamp	1

[illegible]

ENGINE ELECTRICAL SYSTEM (Figure 4-7) CUMMINS 4.5L DIESEL



BP080497

**ENGINE ELECTRICAL SYSTEM
CUMMINS 4.5L DIESEL**

ITEM	PART NO.	DESCRIPTION	QTY
1	1501928	Bracket.....	1
2	1543691	Clamp (Swivel).....	1
3	1529257	Sensor (Air Flow Restriction)	1
4	1502061	Clamp	1
5	1501917	Sensor (Coolant)	1
6	1615376	O-Ring	1
7	1501929	Bracket.....	1
8	1527879	Capscrew.....	4
9	2092371	Wire Harness (Cummins 4.5L Engine) (☞ Figure 4-39)	1
10	1541231	Speed Sensor (Engine RPM)	1
11	1527876	Capscrew.....	1
12	1527883	Capscrew.....	1
13	1500912	Clip	3
14	1582464	Fastener.....	3
15	1566654	Pressure Transducer (Engine Oil Pressure)	1
16	1614852	Adapter	1
17	b 1501938	Bracket.....	2
18	b 1527880	Capscrew.....	1
19	1529366	Capscrew.....	1
20	296380	Lockwasher.....	1
21	1616314	Bracket.....	1
22	176454	Clamp	1
23	2092170	Battery Cable Assembly (Positive) (☞ Figure 4-9)	1
24	1527880	Capscrew.....	2
25	2094236	Battery Cable (Fused)	1
25	148800	Terminal (Battery).....	2
25	1560091	Boot.....	1
25	1650698	Tube.....	1
26	1565407	Nut	2
27	1501896	Contacto	1
28	1627976	Bracket.....	1
29	2046866	Capscrew.....	2
30	1480237	Clip Nut.....	3
31	2093567	Battery Cable Assembly (Negative) (☞ Figure 4-9)	1
32	2075449	Battery Cable	1
32	203689	Electrical Fitting	1
32	148800	Terminal (Battery).....	1
32	204223	Boot.....	2
33	1514429	Nut (Flange).....	1
34	292680	Lockwasher.....	1
35	b 1502543	Nut (Flange).....	1
36	b 1616422	Spacer	1
37	2094237	Battery Cable (Fused)	1
37	1354497	Terminal.....	1
37	1544729	Connector.....	1
37	1544730	Socket	1
37	1650698	Tube.....	1
	a 69392	Fitting (Air Flow Restriction)	1

**ENGINE ELECTRICAL SYSTEM
CUMMINS 4.5L DIESEL**

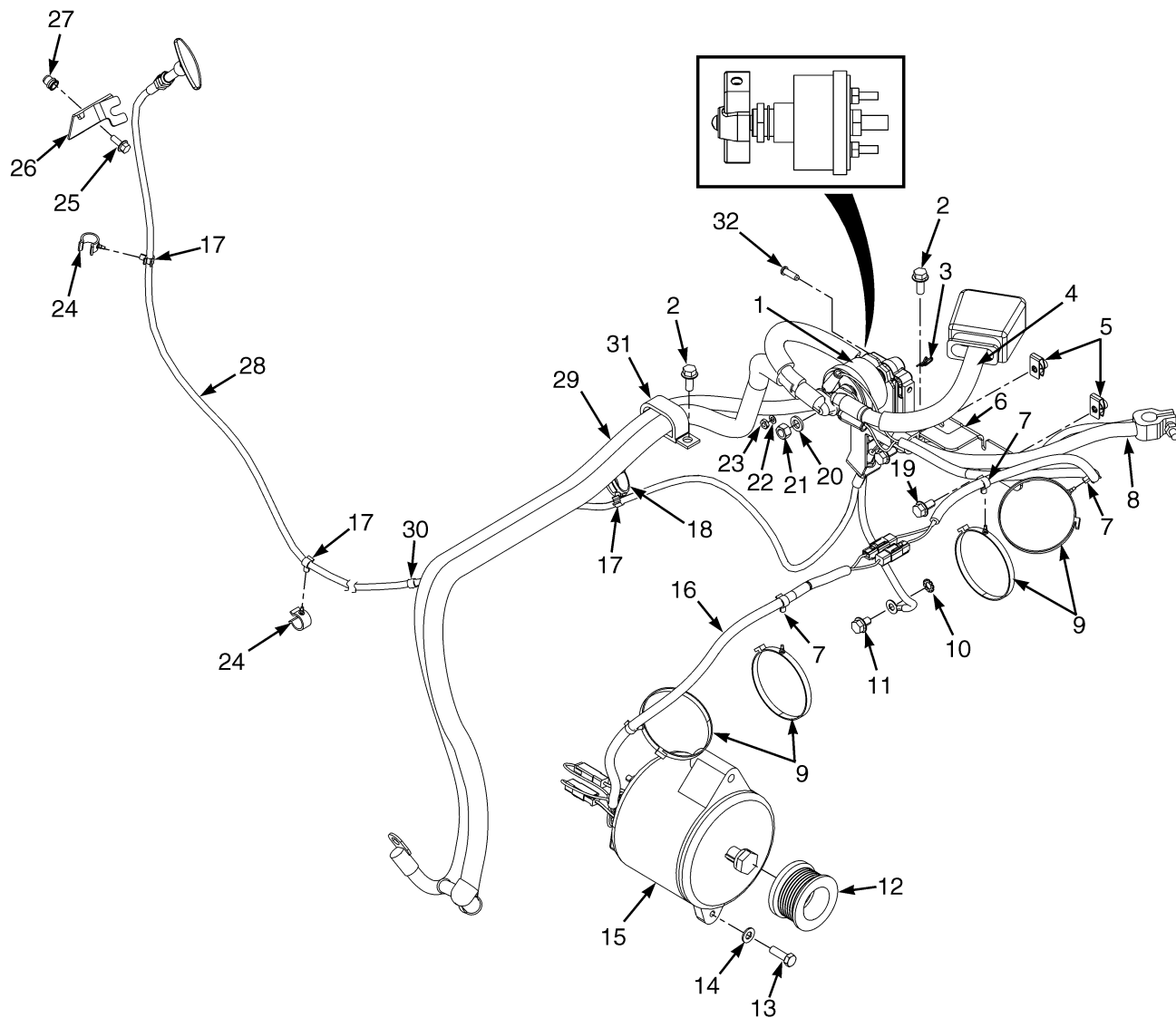
ITEM	PART NO.	DESCRIPTION	QTY
	a 16150	Fitting (Air Flow Restriction)	1
	a 2090355	Wire Harness (Signal Converter).....	1

FOOTNOTES:

- a** Not Illustrated
b Without Electronic Throttle

[illegible]

ENGINE SAFETY ELECTRICAL (Figure 4-8) CUMMINS 4.5L DIESEL

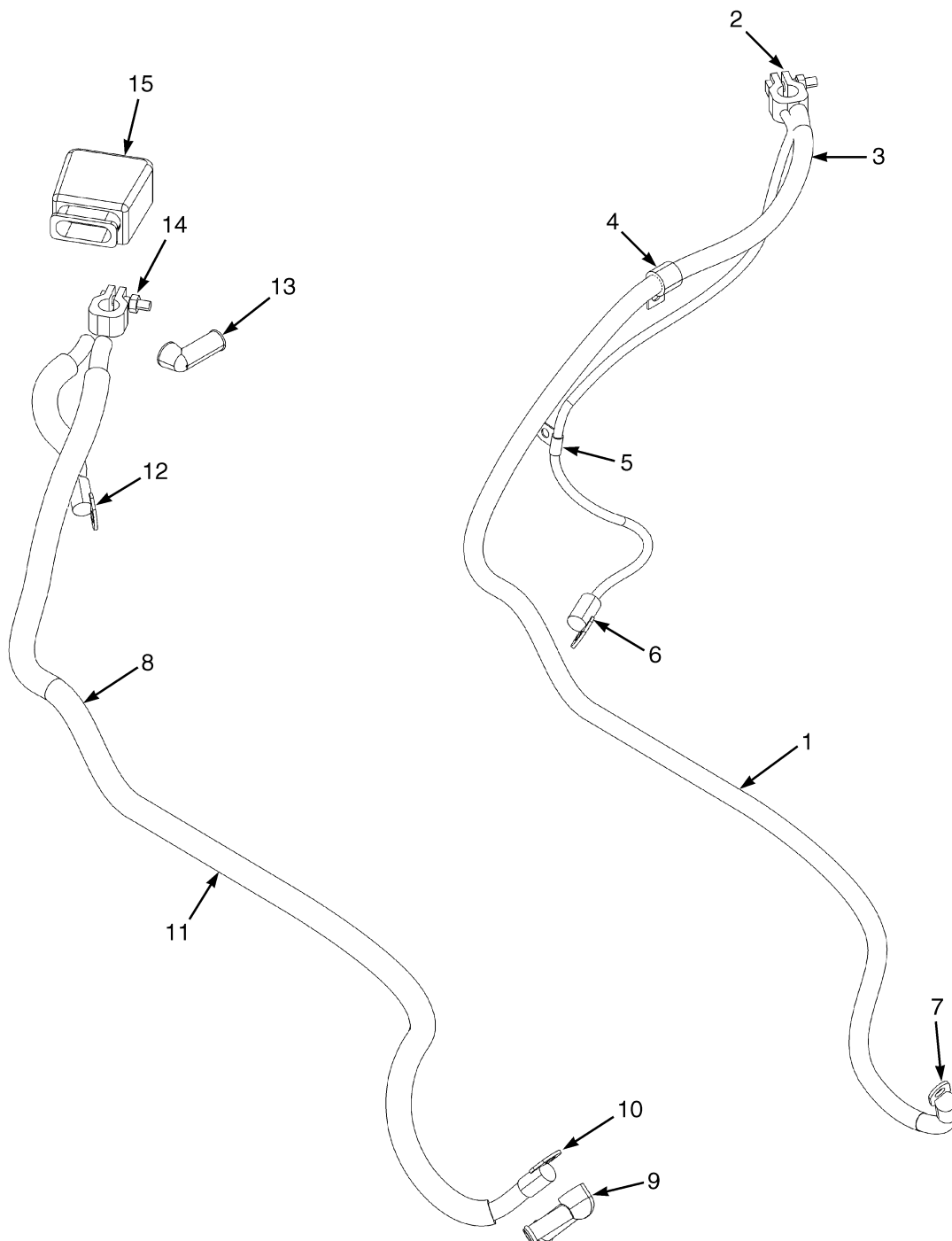


BP080527

**ENGINE SAFETY ELECTRICAL
CUMMINS 4.5L DIESEL**

ITEM	PART NO.	DESCRIPTION	QTY
1	1578660	Emergency Stop Switch	1
2	1527880	Capscrew.....	2
3	1517361	Lock Ring.....	1
4	2092171	Battery Cable	1
5	1480237	Clip Nut.....	3
6	1652037	Bracket.....	1
7	1561871	Clamp (Swivel).....	4
8	2093567	Battery Cable Assembly (Negative) (☞ Figure 4-9)	1
9	1502061	Clamp	4
10	296380	Lockwasher.....	1
11	1529366	Capscrew.....	1
12	1501948	Pulley	1
13	18497	Capscrew.....	1
14	18515	Washer	1
15	2089808	Alternator (Sealed)	1
16	2089774	Wire Harness (Sealed Alternator) (☞ Figure 4-31)	1
17	1542440	Clamp (Swivel).....	3
18	1561759	Clamp (Swivel).....	1
19	1527879	Capscrew.....	2
20	15156	Lockwasher.....	2
21	17407	Nut	2
22	15916	Lockwasher.....	2
23	15002	Nut	2
24	1543698	Clamp (Swivel).....	2
25	1527876	Capscrew.....	2
26	1565382	Bracket.....	1
27	1531558	Insert.....	2
28	2083129	Cable	1
29	2088880	Battery Cable (Positive) (☞ Figure 4-9)	1
30	1562088	Clip	1
31	176454	Clamp	1
32	126	Rod End Pin	1

BATTERY CABLES (Figure 4-9) CUMMINS 4.5L DIESEL

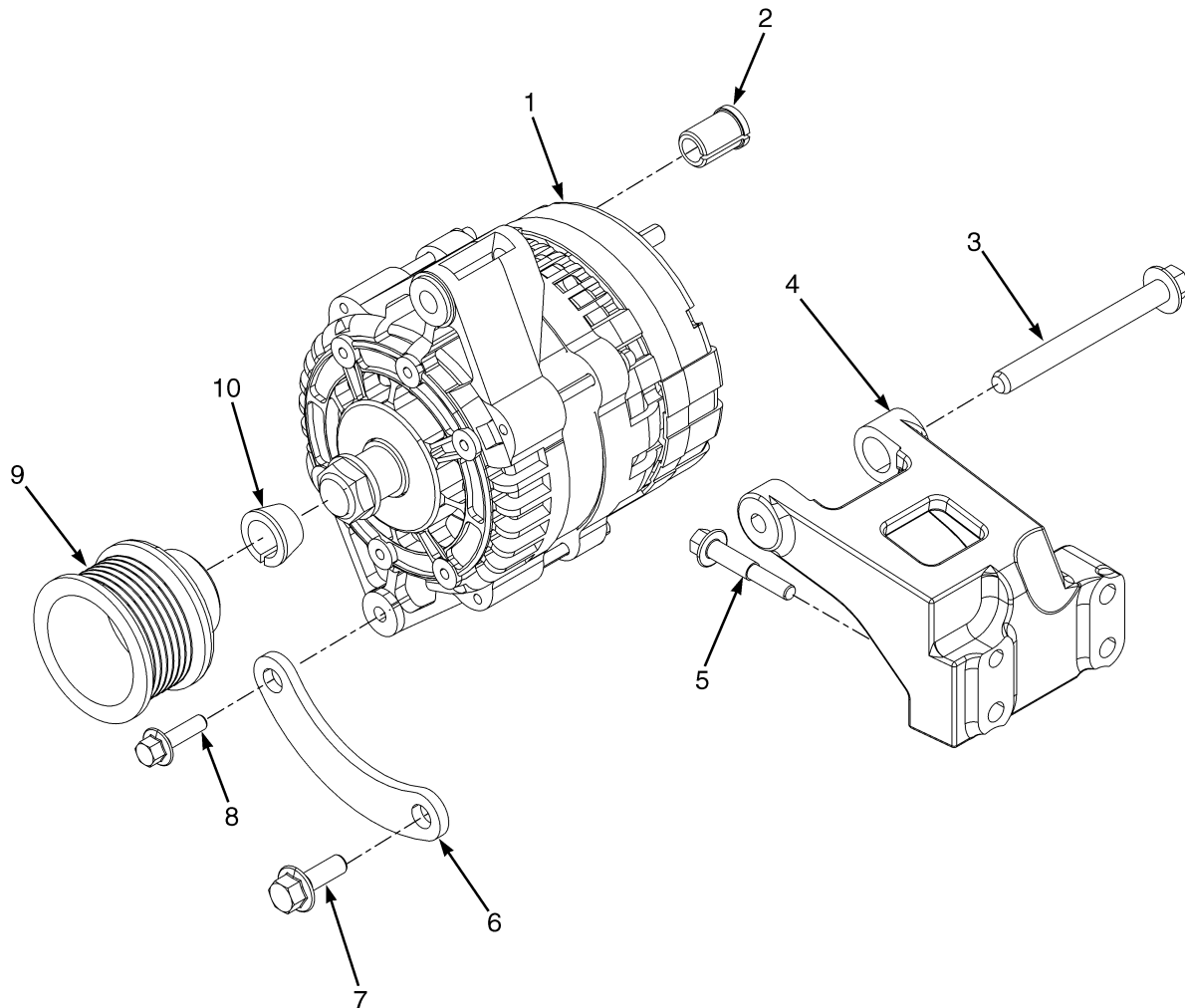


BP080500

**BATTERY CABLES
CUMMINS 4.5L DIESEL****KEY:****A: Positive****B: Negative**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	2093567	Battery Cable Assembly	..	1
2	148789	Terminal.....	..	1
3	16078	Battery Cable.....	..	AR
4	128408	Clamp	..	1
5	1564044	Fitting.....	..	1
6	806426	Terminal.....	..	1
7	16079	Terminal.....	..	1
8	2092170	Battery Cable Assembly	1	..
8	a 2088880	Battery Cable	1	..
9	1629204	Boot.....	1	..
10	16079	Terminal.....	1	..
11	1357268	Battery Cable (Red).....	AR	..
12	148798	Terminal.....	1	..
13	1566146	Boot.....	1	..
13	a 204223	Boot.....	1	..
14	148792	Terminal.....	1	..
15	1536304	Boot.....	1	..

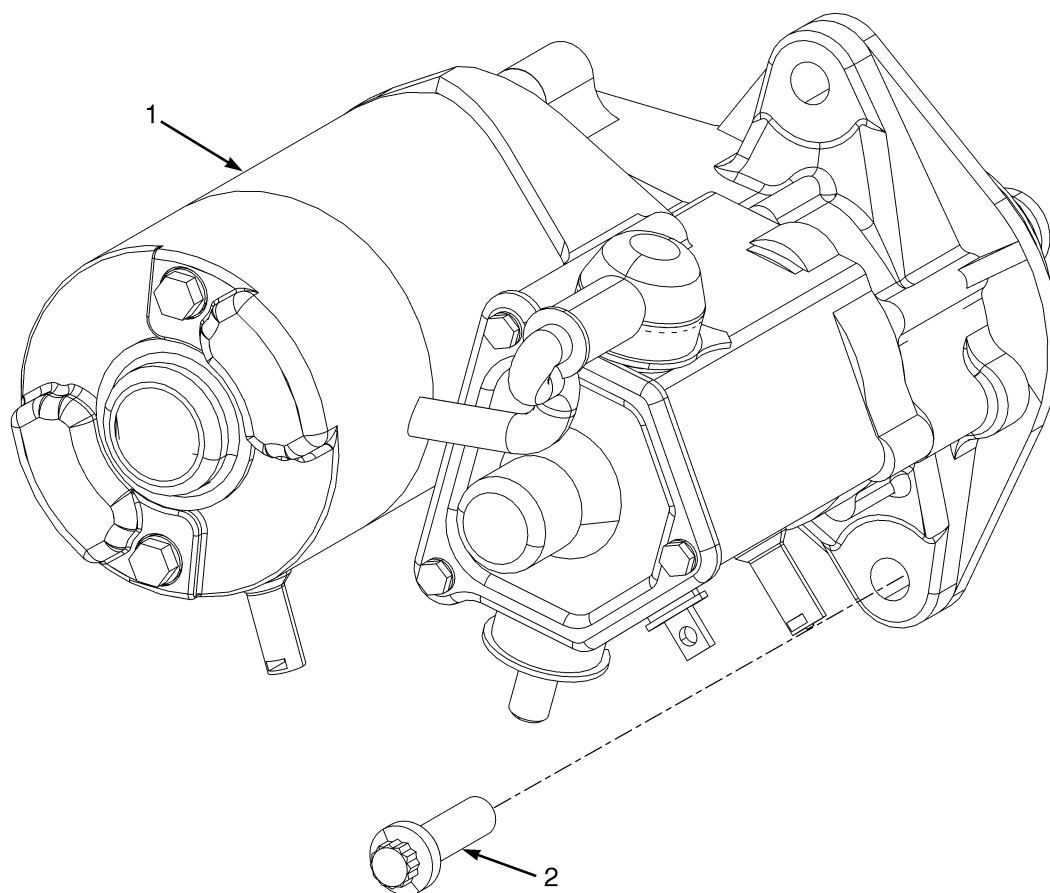
FOOTNOTES:**a** Safety Truck Only

**ALTERNATOR AND MOUNTING (Figure 4-10)
CUMMINS 4.5L DIESEL**

BP080486

**ALTERNATOR AND MOUNTING
CUMMINS 4.5L DIESEL**

ITEM	PART NO.	DESCRIPTION	QTY
1	1637805	Alternator	1
2	1637814	Spacer	1
3	1637810	Capscrew	1
4	1637813	Support	1
5	1512111	Capscrew	4
6	1637815	Brace	1
7	1512503	Capscrew	2
8	1512005	Capscrew	1
9	1637811	Pulley	1
10	1637812	Retainer	1

STARTER AND MOUNT (Figure 4-11)
CUMMINS 4.5L DIESEL

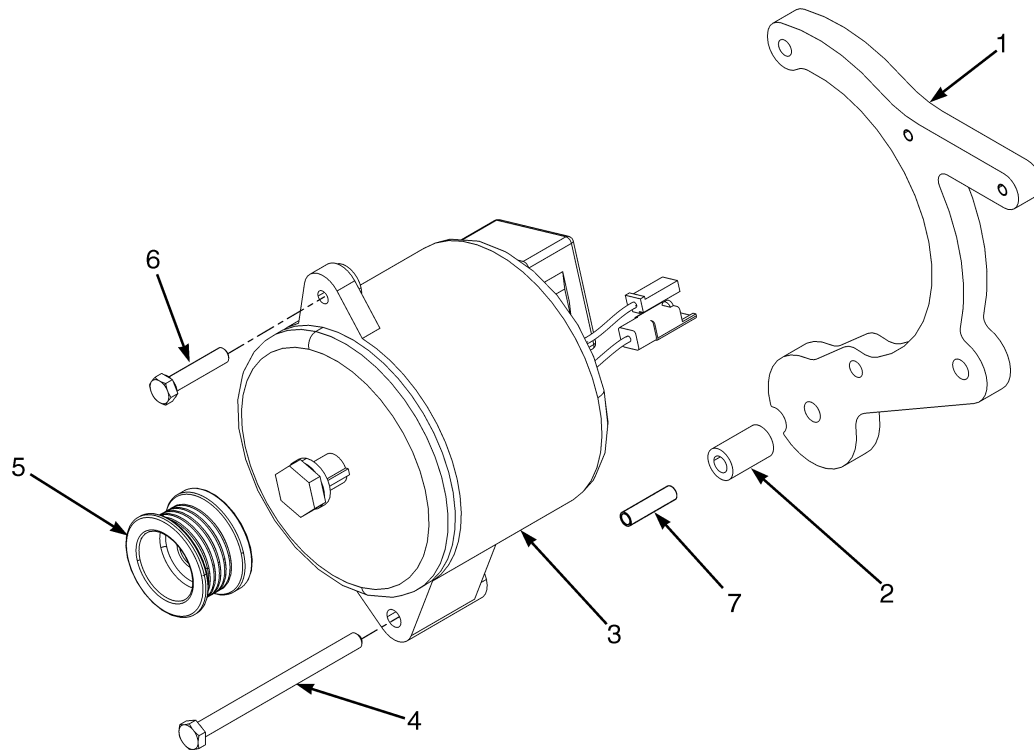
BP090305

ITEM	PART NO.	DESCRIPTION	QTY
	1501931	Engine Assembly (Cummins 4.5L)	1
1	a 1637947	Starter	1
1	b 1654059	Starter	1
2	1588828	Capscrew	2

FOOTNOTES:**a** ⇒ S/N N005V01506D**b** S/N N005V01507D ⇒

SEALED ALTERNATOR AND MOUNTING (Figure 4-12)

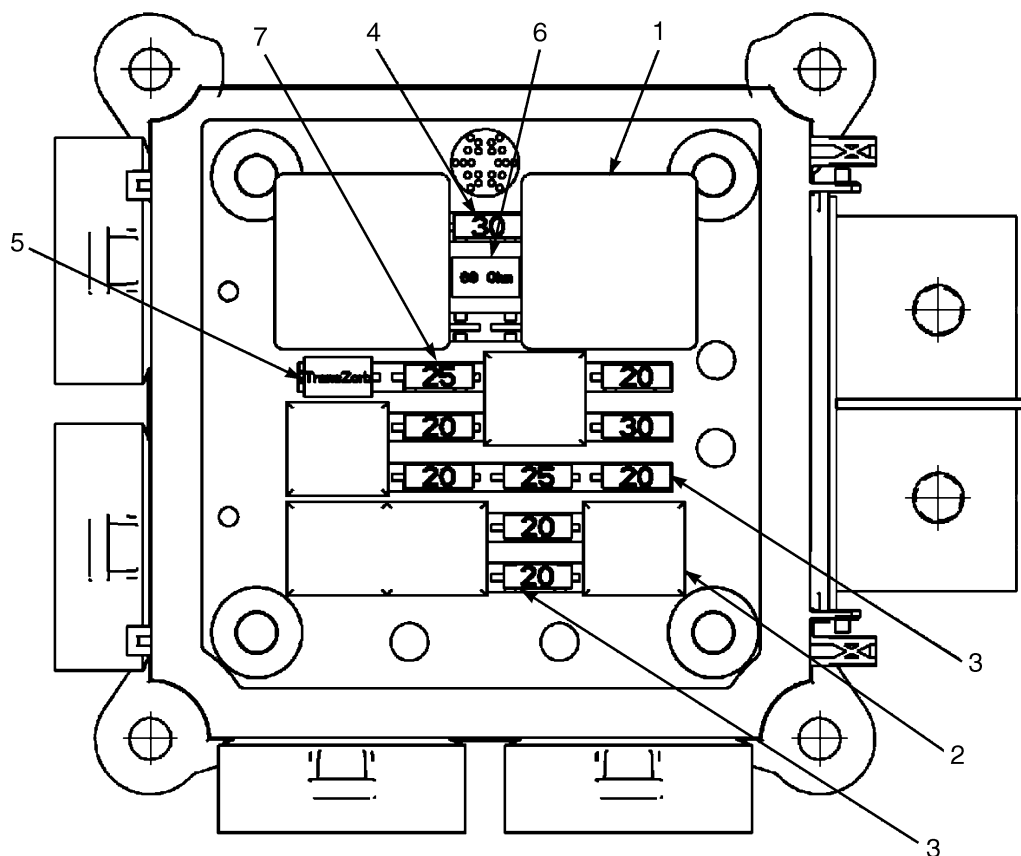
GM 4.3L, GASOLINE AND LPG



BP080487

ITEM	PART NO.	DESCRIPTION	QTY
1	1636862	Bracket.....	1
2	1554815	Spacer	1
3	1394001	Alternator (Sealed)	1
4	1307994	Capscrew.....	1
5	1532255	Pulley.....	1
6	18508	Capscrew.....	1
7	1537422	Spacer	1

POWER DISTRIBUTION MODULE (Figure 4-13)

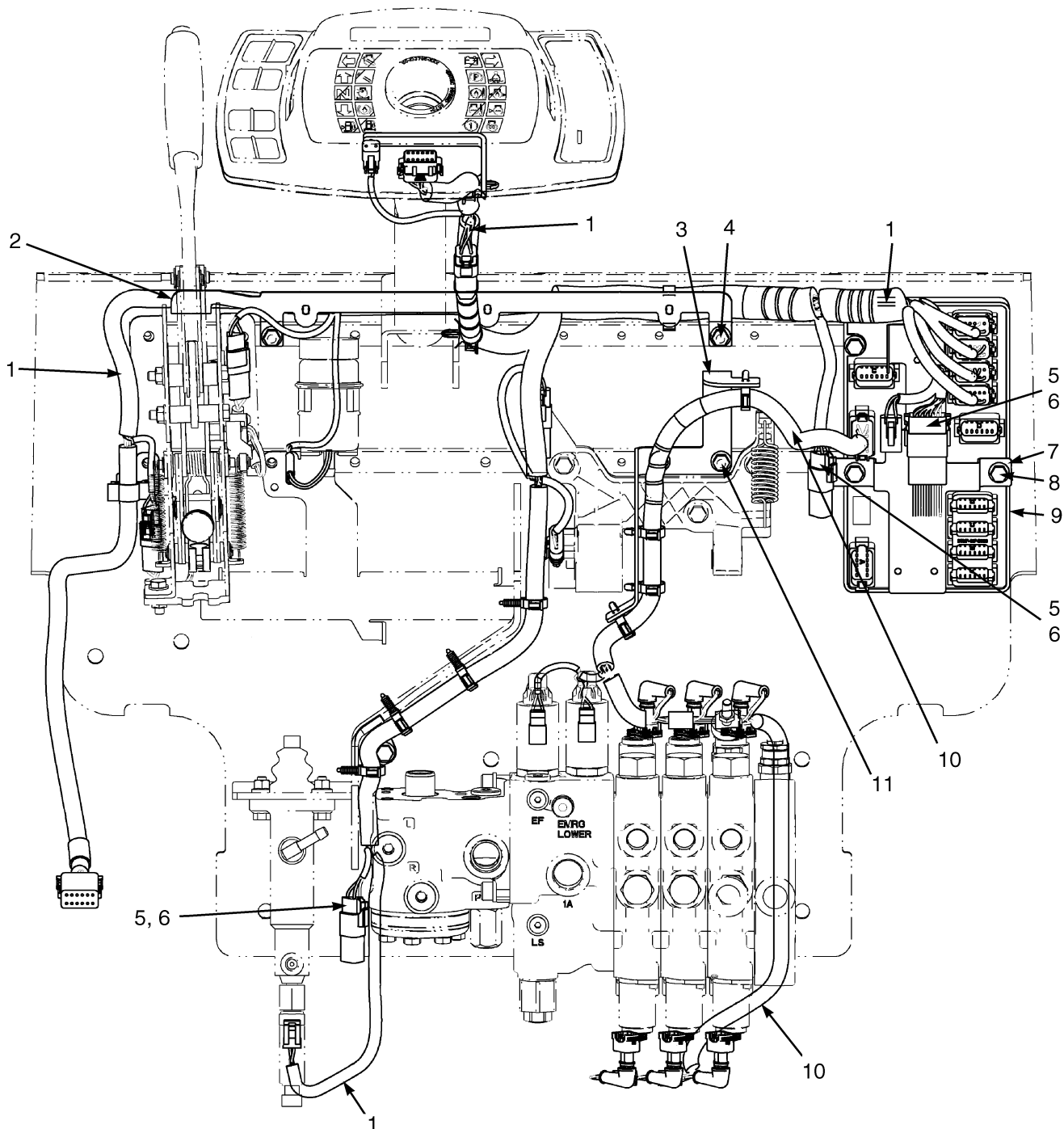


BP080485

ITEM	PART NO.	DESCRIPTION	QTY
	2090613	Power Distribution Module	1
1	2044712	Relay (30 Amp)	2
2	1528315	Relay (20 Amp)	5
3	1528132	Fuse (20 Amp).....	6
4	1528133	Fuse (30 Amp).....	2
5	1528630	Semiconductor	1
6	1528631	Resistor (68 Ohm, 5 Watt)	1
7	1544255	Fuse (25 Amp).....	2

[illegible]

COWL ELECTRICAL (Figure 4-14)



BP080206

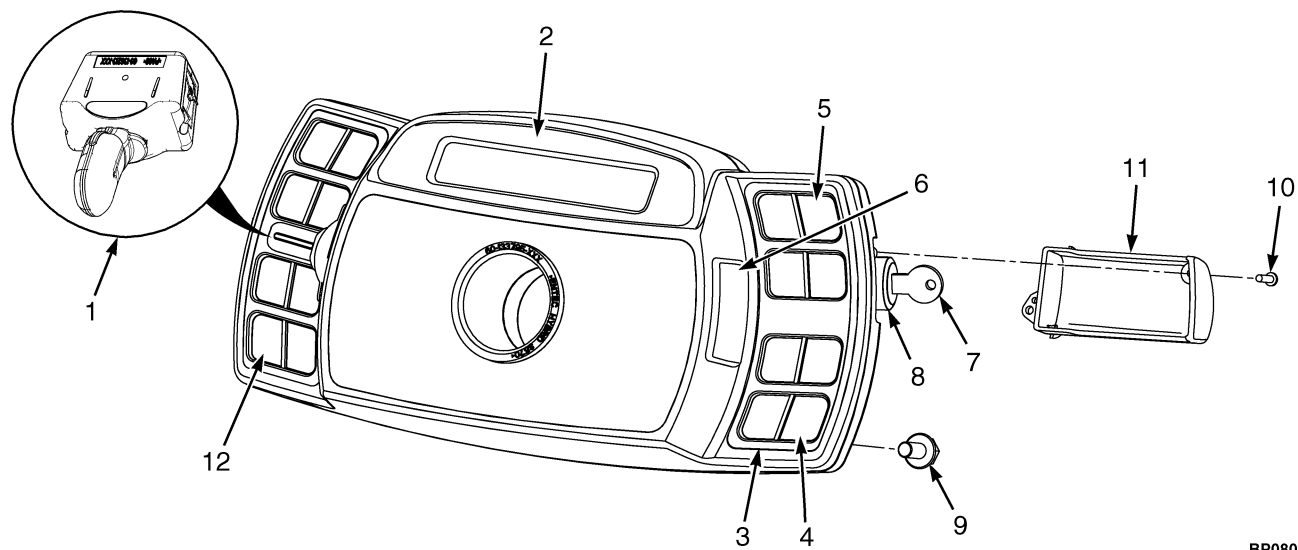
COWL ELECTRICAL

ITEM	PART NO.	DESCRIPTION	QTY
1	2070269	Wire Harness (Cowl with Monotrol) (☞ Figure 4-34)	1
1	2084829	Wire Harness (Cowl with Forward/Reverse Lever) (☞ Figure 4-35)	1
2	1600190	Bracket.....	1
3	1531975	Bracket.....	1
4	1529366	Capscrew.....	2
5	1500912	Clip	3
6	1582464	Fastener.....	3
7	1582465	Bracket.....	1
8	1510115	Capscrew.....	3
9	f 2068342	Vehicle System Manager (VSM) -8525419.....	1
9	e 2068343	Vehicle System Manager (VSM) -8525420.....	1
9	d 2068344	Vehicle System Manager (VSM) -8525421.....	1
10	a 2058909	Wire Harness (Electronic Control Valve) (☞ Figure 4-37)	1
10	c 2060198	Wire Harness (Electronic Control Valve) (☞ Figure 4-36)	1
11	1529366	Capscrew.....	4
	b 1554902	Screw.....	2

FOOTNOTES:

- a** Four Function
- b** Not Illustrated
- c** Three Function
- d** With Electronic Hydraulics and Cab
- e** With Electronic Hydraulics and Overhead Guard
- f** Without Electronic Hydraulics

INSTRUMENT CLUSTER (Figure 4-15)



BP080215

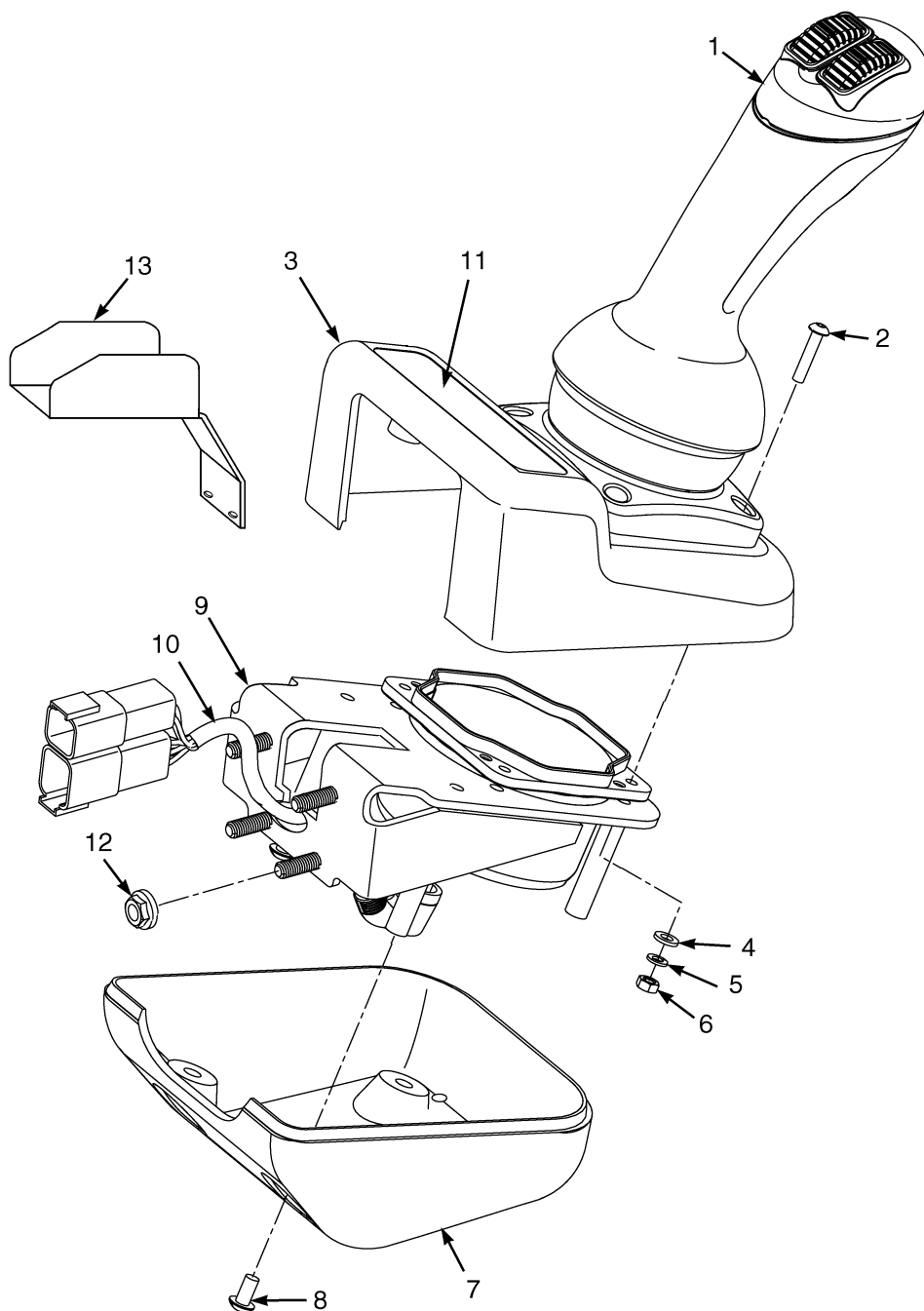
INSTRUMENT CLUSTER

ITEM	PART NO.	DESCRIPTION	QTY
1	2090110	Display Lever (Detent Forward and Reverse)	1
2	2076695	Instrument Cluster (With Overhead Guard)	1
2	2076696	Instrument Cluster (With Cab)	1
3	2066485	Bezel (Display Cluster)	2
4	a 2066482	Overlay (RH Display)	1
5	2066484	Decal (RH Display, All Options)	1
6	2060032	Cover (Display Lever)	1
7	1337197	Key Set	1
8	2057948	Ignition Switch	1
9	1527879	Capscrew	4
10	1554902	Screw	5
11	2060033	Cover (Keyswitch)	1
12	2069431	Decal (Blank) (LH Display with Overhead Guard)	1
12	2066483	Decal (LH Display with Cab)	1

FOOTNOTES:

a Remove Panels From Overlay as Required For Truck Configuration.

JOYSTICK (Figure 4-16)



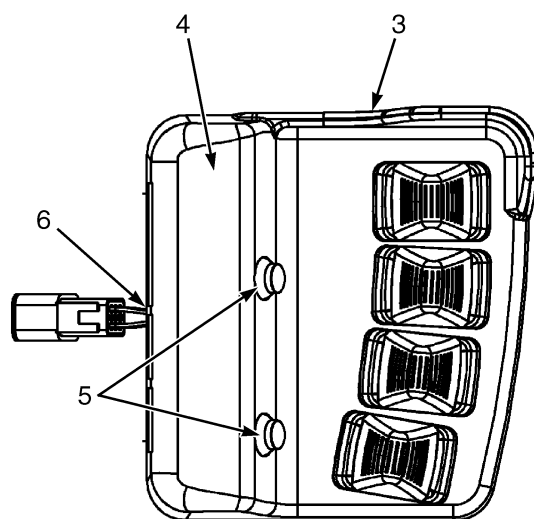
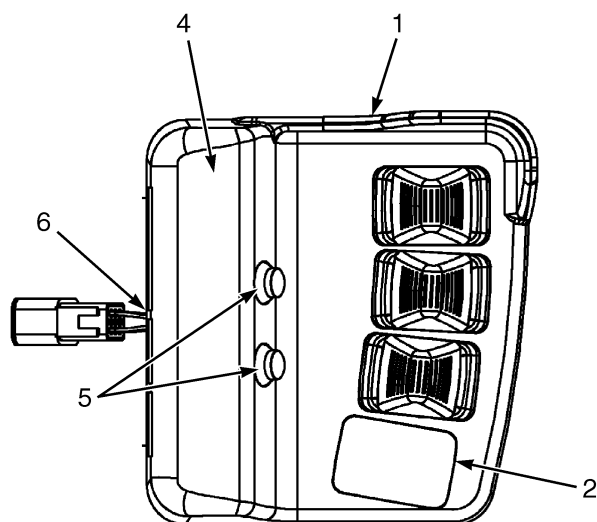
BP150080

JOYSTICK**KEY:****A: Three Function****B: Four Function**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	a 2085179	Joystick Control (Without Interlock)	1	..
	b 2093801	Joystick Control (Without Interlock)	1	..
	a 2085171	Joystick Control (With Interlock)	1	..
	b 2093804	Joystick Control (With Interlock)	1	..
	a 2085180	Joystick Control (Without Interlock)	..	1
	b 2093803	Joystick Control (Without Interlock)	..	1
	a 2085172	Joystick Control (With Interlock)	..	1
	b 2093805	Joystick Control (With Interlock)	..	1
1	a 2085175	Joystick (Without Interlock).....	1	..
1	b 2093806	Joystick (Without Interlock).....	1	..
1	a 2085167	Joystick (With Interlock).....	1	..
1	b 2093808	Joystick (With Interlock).....	1	..
1	a 2085176	Joystick (Without Interlock).....	..	1
1	b 2093807	Joystick (Without Interlock).....	..	1
1	a 2085168	Joystick (With Interlock).....	..	1
1	b 2093809	Joystick (With Interlock).....	..	1
2	1598283	Screw	4	4
3	1550647	Housing (Upper)	1	1
4	320154	Washer	4	4
5	292678	Lockwasher	4	4
6	292667	Nut.....	4	4
7	1550646	Housing (Lower)	1	1
8	2062718	Capscrew	6	6
9	1552107	Bracket	1	1
10	2084703	Wire Harness (Joystick)	1	1
10	1530960	Connector	1	1
10	1530961	Secondary Lock	1	1
10	1550495	Connector	1	1
10	1532904	Connector	1	1
10	1463193	Secondary Lock	1	1
11	.....	Label ( Figure 1-30,  Figure 1-31)	1	1
12	1514429	Nut (Flange)	4	4
13	1579847	Bracket	1	1

FOOTNOTES:**a** ⇒ PENDING PER ECN 10431564**b** PENDING PER ECN 10431564 ⇒

ELECTRONIC CONTROL LEVERS (Figure 4-17)

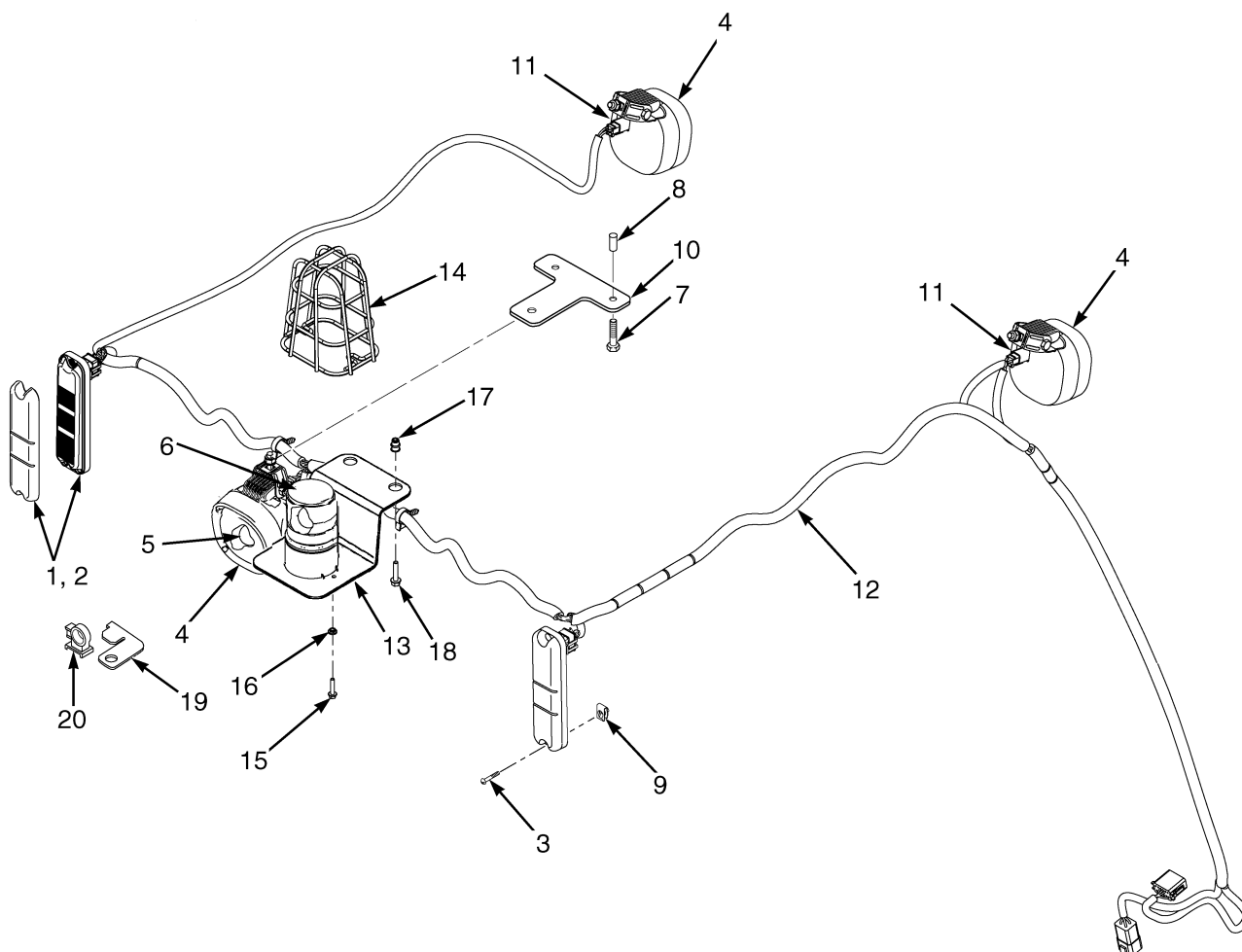


BP150206

ELECTRONIC CONTROL LEVERS**KEY:****A: Three Function****B: Four Function**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	2064790	Mini-Levers (Without Clamping)	1	..
1	2075911	Mini-Levers (With Clamping)	1	..
1	2075913	Mini-Levers (With Return To Set Tilt)	1	..
1	2075916	Mini-Levers (With Clamping and Return To Set Tilt)	1	..
1	1555731	Lever Kit	AR	..
1	1591185	Mini-Lever Interlock Kit	AR	..
2	1598222	Mini-Lever Plug Kit	1	..
3	2064807	Mini-Levers (Without Clamping)	..	1
3	2075912	Mini-Levers (With Clamping)	..	1
3	2075914	Mini-Levers (With Return To Set Tilt)	..	1
3	2075917	Mini-Levers (With Clamping and Return To Set Tilt)	..	1
3	1555731	Lever Kit	..	AR
3	1591185	Mini-Lever Interlock Kit	..	AR
4	.....	Label	1	1
5	1598221	Mini-Lever Interlock Switch Kit	AR	AR
5	1598223	Momentary Switch Plug Kit	AR	AR
6	1514429	Nut (Flange)	4	4

LIGHTS (Figure 4-18) STOP, TAIL, TURN, BACKUP, AND STROBE WITH CAB



HP081649

LIGHTS

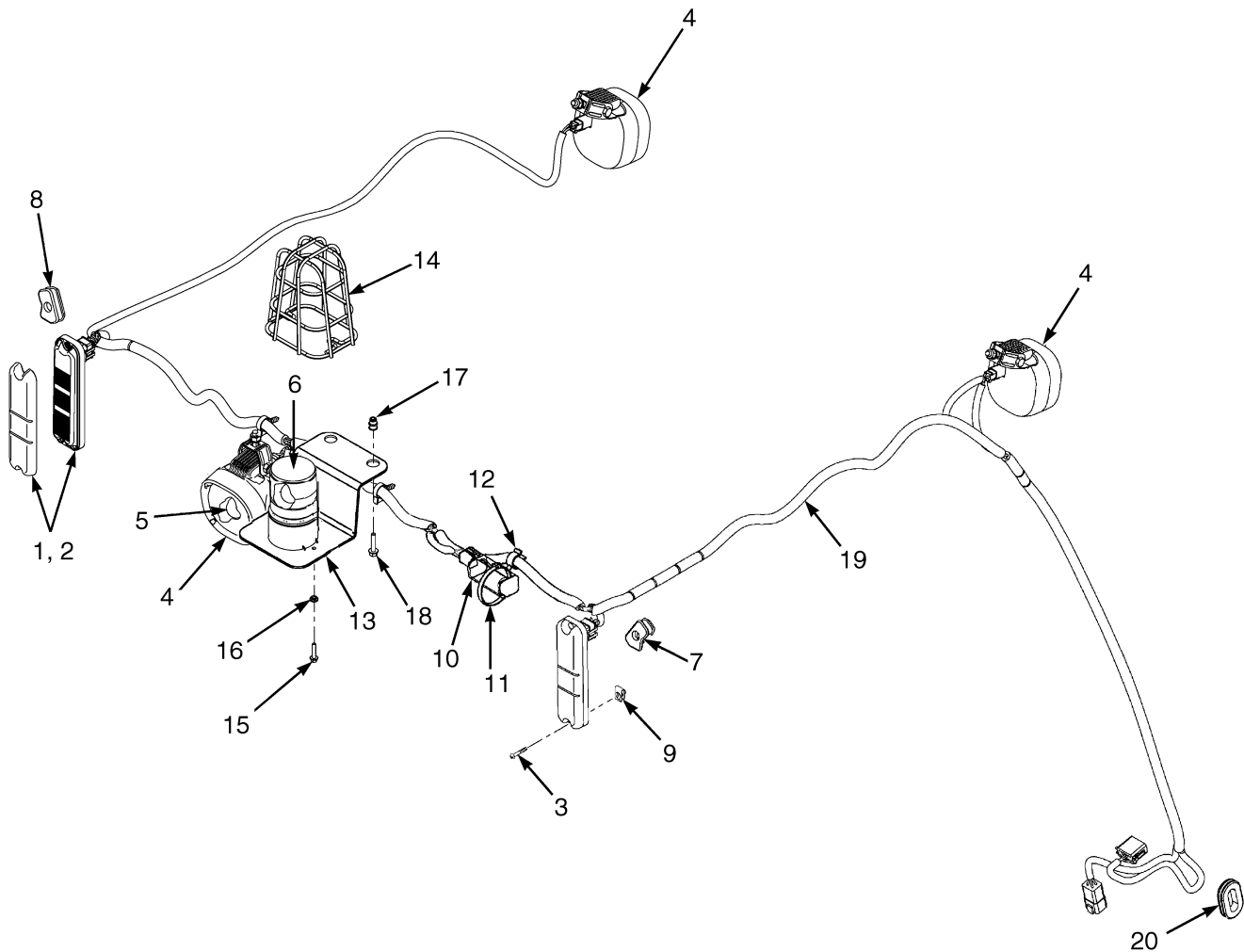
STOP, TAIL, TURN, BACKUP, AND STROBE WITH CAB

ITEM	PART NO.	DESCRIPTION	QTY
1	2056824	Light (Stop,Turn,Tail, And Back-Up).....	2
1	.....	Tail Light Brackets.....	2
2	2056826	Reflector (Tail)	2
3	1565125	Screw.....	4
4	c 2064836	Work Light (Rear)	1
4	d 2098083	Work Light (Rear)	1
4	c 2064837	Work Light (RH Front).....	1
4	d 2098084	Work Light (RH Front).....	1
4	c 2064838	Work Light (LH Front)	1
4	d 2098085	Workl Light (LH Front)	1
5	2098082	Bulb (Halogen)	1
6	a 1581670	Strobe Light Assembly.....	1
6	b 1654013	Strobe Light Assembly.....	1
7	1586495	Capscrew.....	2
8	1531558	Insert.....	2
9	1537551	Clip Nut.....	4
10	1558771	Bracket.....	1
11	.....	Connector	2
12	1647440	Wire Harness.....	1
13	1565076	Bracket.....	1
14	1302024	Guard.....	1
15	1586759	Capscrew.....	2
16	1586428	Nut	2
17	1531558	Insert.....	2
18	1586495	Capscrew.....	2
19	1532759	Bracket.....	1
20	1532775	Clip	1

FOOTNOTES:

- a** ⇒ PENDING PER ECN 10298201
b PENDING PER ECN 10298201 ⇒
c ⇒ PENDING PER ECN 104769
d PENDING PER ECN 104769 ⇒

LIGHTS (Figure 4-19) STOP, TAIL, TURN, BACKUP, AND STROBE WITH OVERHEAD GUARD



BP080495

LIGHTS

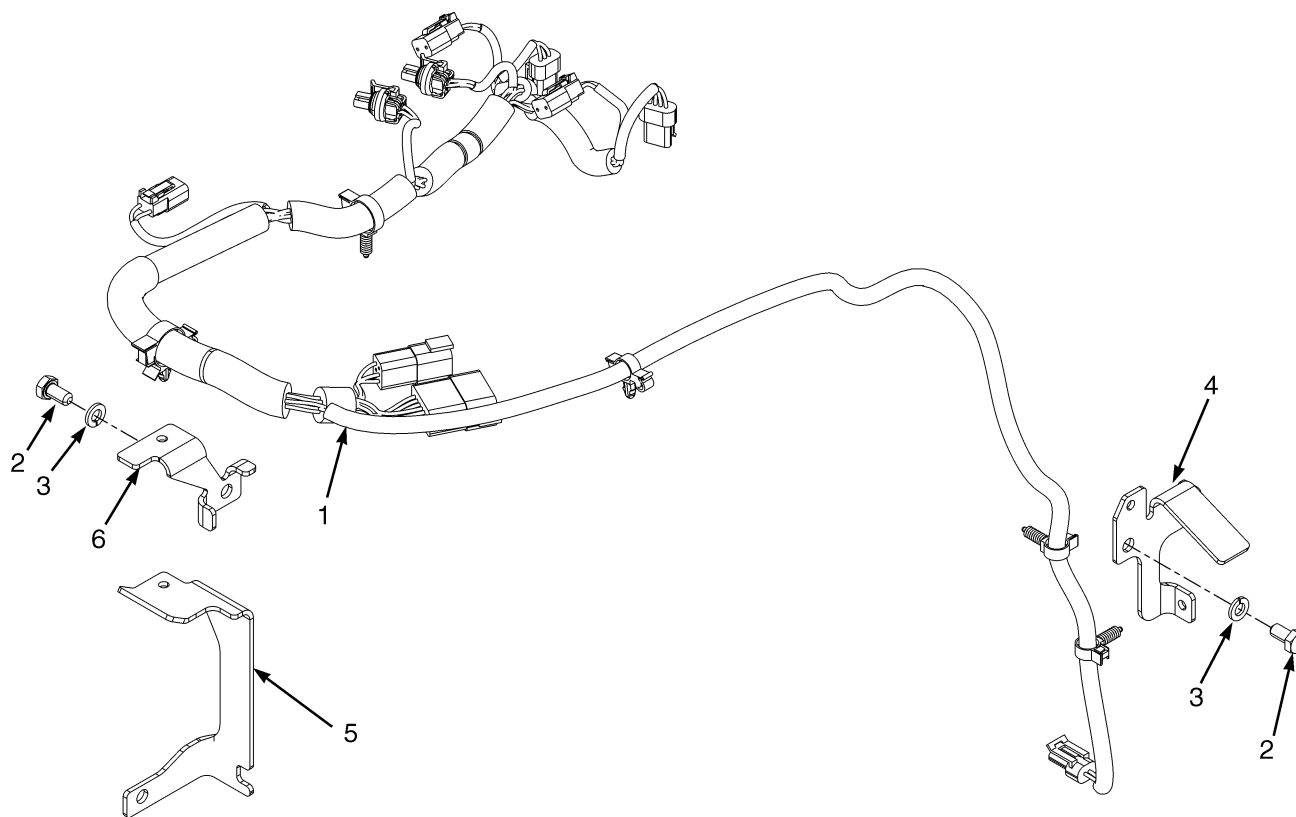
STOP, TAIL, TURN, BACKUP, AND STROBE WITH OVERHEAD GUARD

ITEM	PART NO.	DESCRIPTION	QTY
1	2056824	Light (Stop, Turn, Tail, And Back-Up).....	2
1	.....	Tail Light Bracket	2
2	2056826	Reflector (Tail)	2
3	1565125	Screw.....	4
4	c 2064836	Work Light (Rear)	1
4	d 2098083	Work Light (Rear)	1
4	c 2064837	Work Light (RH Front).....	1
4	d 2098084	Work Light (RH Front).....	1
4	c 2064838	Work Light (LH Front)	1
4	d 2098085	Workl Light (LH Front)	1
5	2098082	Bulb (Halogen)	1
6	a 1581670	Strobe Light Assembly.....	1
6	b 1654013	Strobe Light Assembly.....	1
7	1560447	Grommet (RH Tail Light)	1
8	1560448	Grommet (LH Tail Light).....	1
9	1537551	Clip Nut.....	4
10	2095895	Jumper Harness	1
10	1514597	Connector.....	1
10	1514598	Secondary Lock.....	1
10	1484709	Terminal (Pin)	4
10	1634047	Resistor	3
11	1582605	Clamp Strap.....	1
12	1502066	Clamp	1
13	1565076	Bracket.....	1
14	1302024	Guard.....	1
15	1586759	Capscrew.....	2
16	1586428	Nut	2
17	1531001	Insert.....	2
18	1586495	Capscrew.....	2
19	2090085	Wire Harness.....	1
20	1539584	Grommet.....	1

FOOTNOTES:

- a** ⇒ PENDING PER ECN 10298201
b PENDING PER ECN 10298201 ⇒
c ⇒ PENDING PER ECN 104769
d PENDING PER ECN 104769 ⇒

TRANSMISSION ELECTRICAL SYSTEM (Figure 4-20)

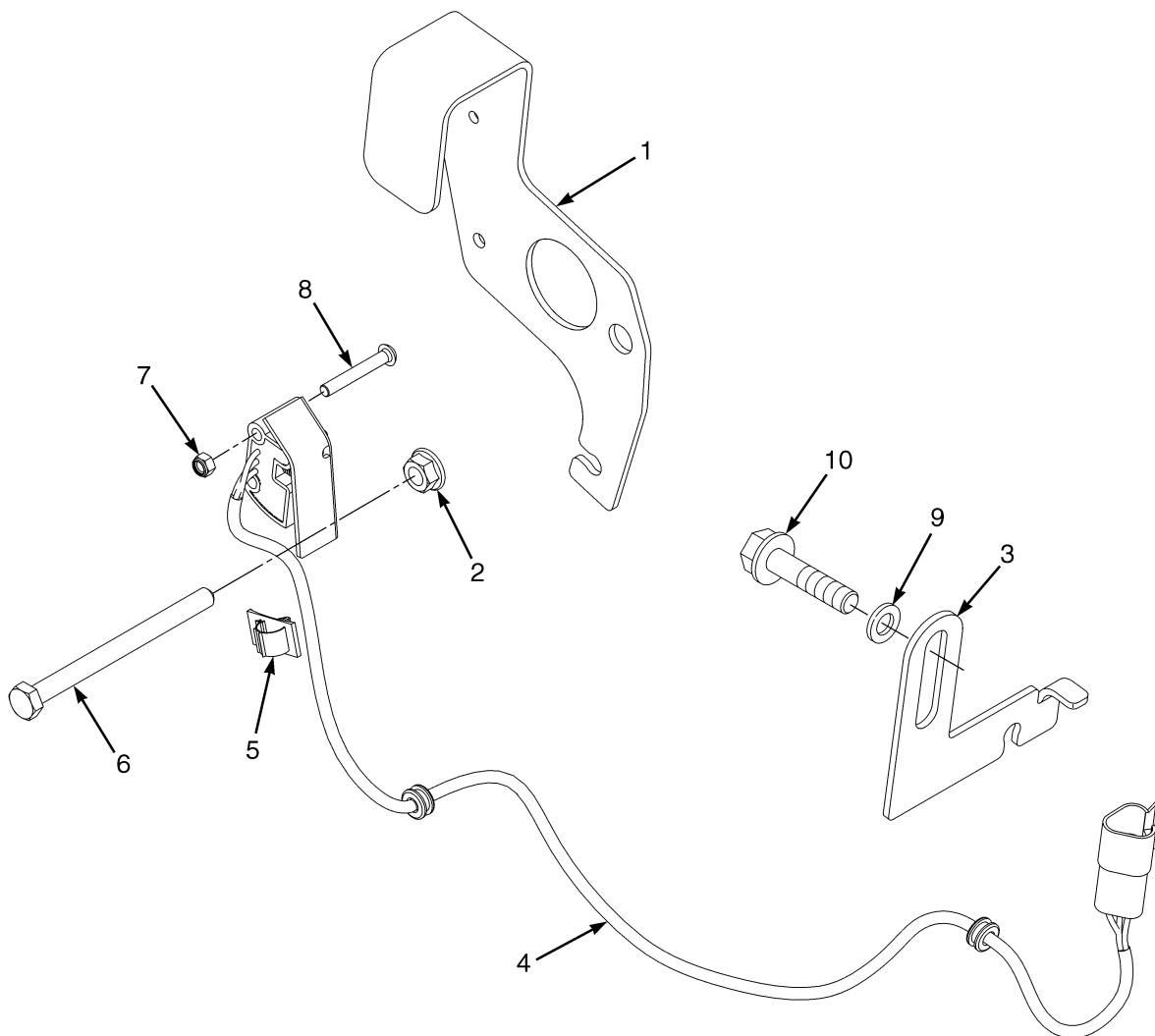


BP080514

TRANSMISSION ELECTRICAL SYSTEM**KEY:****A: Single Speed****B: Dual Speed**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	2085943	Wire Harness (Single Speed) (☞ Figure 4-32)	1	..
1	2085942	Wire Harness (Dual Speed) (☞ Figure 4-33)	..	1
2	287851	Capscrew.....	2	2
3	292681	Lockwasher.....	2	2
4	1612223	Bracket.....	1	1
5	1616222	Bracket.....	1	..
6	1612399	Bracket.....	..	1

MAST ELECTRICAL (Figure 4-21)

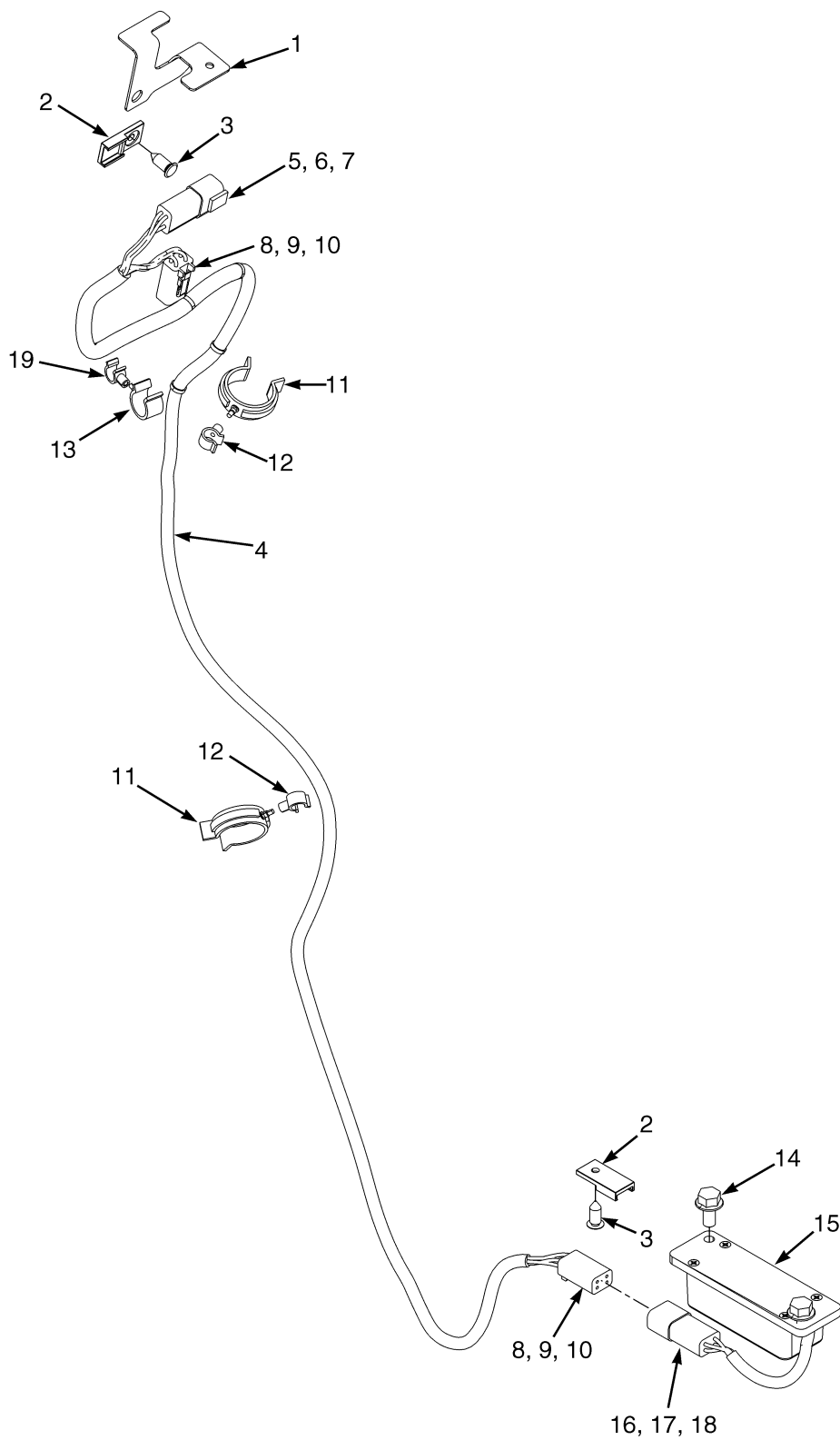


BP080399

ITEM	PART NO.	DESCRIPTION	QTY
1	1625255	Bracket.....	1
2	1586430	Nut	1
3	1595731	Bracket.....	1
4	1595234	Sensor (Mast Position)	1
5	1562088	Clip	1
6	1597451	Capscrew.....	1
7	302398	Nut	2
8	1553897	Capscrew.....	2

[illegible]

IMPACT SENSOR (Figure 4-22)



BP080394

IMPACT SENSOR

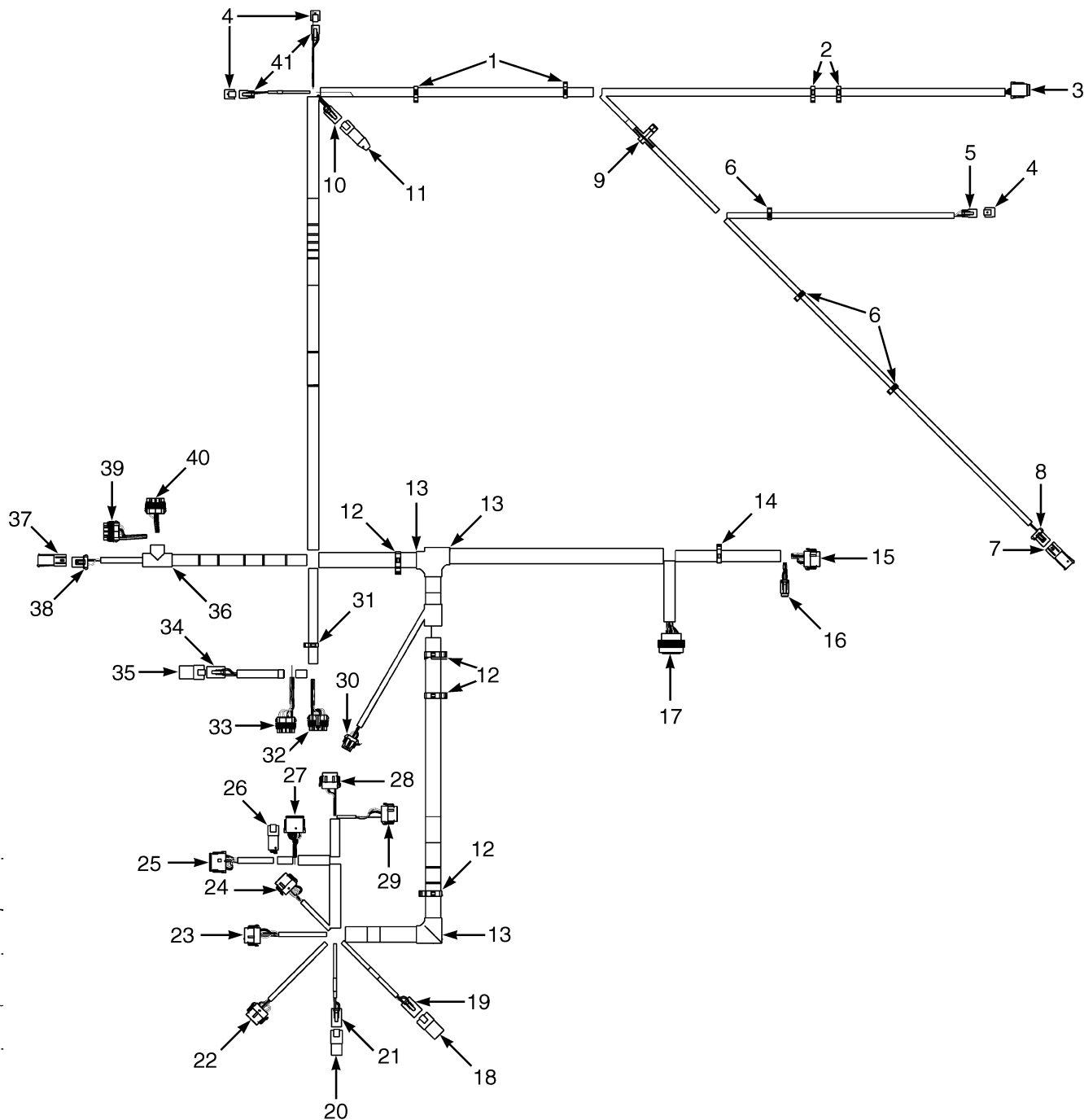
ITEM	PART NO.	DESCRIPTION	QTY
1	1535166	Bracket.....	1
2	1500912	Clip	2
3	1582464	Fastener.....	2
4	2079281	Wire Harness (Impact Sensor)	1
5	1489655	Connector (4 Way)	1
6	1330416	Secondary Lock.....	1
7	1330437	Terminal (Pin)	4
8	1489656	Connector (4-Way)	2
9	1489657	Secondary Lock.....	2
10	1330438	Terminal (Socket)	8
11	1561759	Clamp (Swivel).....	2
12	1542439	Clamp	2
13	1502055	Clamp	1
14	1527879	Capscrew.....	2
15	2079843	Impact Sensor	1
16	1489655	Connector (4 Way)	1
17	1330416	Secondary Lock.....	1
18	1330433	Pin	4
19	1502053	Clamp	1

BP080413

LOAD WEIGH ELECTRICAL

ITEM	PART NO.	DESCRIPTION	QTY
1	2079326	Wire Harness (Load Weigh)	1
2	1525565	Connector.....	1
2	1500913	Secondary Lock.....	1
2	1330438	Terminal (Socket)	3
2	1484377	Terminal (Plug)	9
3	1603021	Connector.....	1
3	1603236	Secondary Lock.....	1
3	1548517	Terminal (Socket)	3
3	1548519	Seal	3
4	1606544	Clamp	3
5	1573549	Clamp	3
6	1606735	Sensor	1
7	1648259	Fitting.....	1

WIRE HARNESS (Figure 4-24) GM 4.3L GASOLINE AND LPG RIGHT HAND CHASSIS



BP080493

WIRE HARNESS

GM 4.3L GASOLINE AND LPG

RIGHT HAND CHASSIS

ITEM	PART NO.	DESCRIPTION	QTY
	2090738	Wire Harness (RH Chassis)	1
1	1509890	Clip	2
2	1402815	Clip	2
3	.....	Connector Assembly (To Seat Harness)	1
3	1541991	Connector	1
3	1541992	Secondary Lock	1
3	1463139	Terminal	8
4	1626727	Connector (End Cap)	3
5	.....	Connector Assembly (To Backup Alarm Harness)	1
5	1490242	Connector	1
5	1490243	Secondary Lock	1
5	1330438	Terminal (Socket)	2
6	1509888	Clip	3
7	.....	Connector Assembly (End Cap)	1
7	1329150	Connector	1
7	1329151	Secondary Lock	1
7	1327164	Plug.....	2
8	.....	Connector Assembly (Coolant Level)	1
8	1329152	Connector	1
8	1329151	Secondary Lock	1
8	1330281	Terminal	2
8	1402888	Seal.....	2
9	1587778	Clip	3
10	.....	Connector Assembly (Bus Terminal Two).....	1
10	1489656	Connector (4-Way)	1
10	1489657	Secondary Lock	1
10	1330438	Terminal (Socket)	4
11	1525577	Connector (With Resistor) (End Cap).....	1
12	1534282	Clip	4
13	1560692	Conduit.....	3
14	1500899	Clip	1
15	.....	Connector Assembly (To Transmission Harness).....	1
15	1525567	Connector	1
15	1529046	Secondary Lock	1
15	1463139	Terminal	11
15	1484377	Terminal (Plug)	1
15	1521989	Terminal	7
16	.....	Connector Assembly (To Transmission Harness).....	1
16	1531973	Connector	1
16	1531974	Secondary Lock	1
16	1463139	Terminal	6
17	.....	Connector Assembly (To Engine Harness)	1
17	1531501	Connector	1
17	1330438	Terminal (Socket)	9
17	1463139	Terminal	6
17	1484377	Terminal (Plug)	10
17	1554359	Terminal	4
18	.....	Connector Assembly (End Cap)	1
18	1514597	Connector	1
18	1330439	Insulator	1

WIRE HARNESS

GM 4.3L GASOLINE AND LPG

RIGHT HAND CHASSIS

ITEM	PART NO.	DESCRIPTION	QTY
19	.....	Connector Assembly (To Lights/Cab Harness)	1
19	1514602	Connector	1
19	1514603	Secondary Lock	1
19	1554359	Terminal	4
20	.....	Connector Assembly (End Cap).....	1
20	1480187	Connector	1
20	1330439	Insulator	2
21	.....	Connector Assembly (Accessory One)	1
21	1545202	Connector	1
21	1546697	Secondary Lock	1
21	1554359	Terminal	4
22	.....	Connector Assembly (Vehicle System Manager)	1
22	1525570	Connector	1
22	1530037	Secondary Lock	1
22	1463139	Terminal	8
22	1484377	Terminal (Plug).....	4
23	.....	Connector Assembly (Vehicle System Manager)	1
23	1525568	Connector	1
23	1530037	Secondary Lock	1
23	1463139	Terminal	7
23	1484377	Terminal (Plug).....	5
24	.....	Connector Assembly (Vehicle System Manager)	1
24	1525567	Connector	1
24	1530037	Secondary Lock	1
24	1463139	Terminal	9
24	1484377	Terminal (Plug).....	3
25	.....	Connector Assembly (Vehicle System Manager)	1
25	1525563	Connector	1
25	1500913	Secondary Lock	2
25	1330438	Terminal (Socket)	8
25	1363886	Terminal (Socket)	4
26	.....	Connector Assembly (To Cowl Harness).....	1
26	1489655	Connector (4 Way)	1
26	1330416	Secondary Lock	1
26	1330437	Terminal (Pin).....	4
27	.....	Connector Assembly (To Cowl Harness).....	1
27	1493428	Connector (12-Way).....	1
27	1500913	Secondary Lock	1
27	1330438	Terminal (Socket)	9
27	1484377	Terminal (Plug).....	3
28	.....	Connector Assembly (Vehicle System Manager)	1
28	1531973	Connector	1
28	1529046	Secondary Lock	1
28	1463139	Terminal	3
28	1484377	Terminal (Plug).....	9
29	.....	Connector Assembly (Vehicle System Manager)	1
29	1525567	Connector	1
29	1476109	Secondary Lock	1
29	1463139	Terminal	3
29	1484377	Terminal (Plug).....	9

WIRE HARNESS

GM 4.3L GASOLINE AND LPG

RIGHT HAND CHASSIS

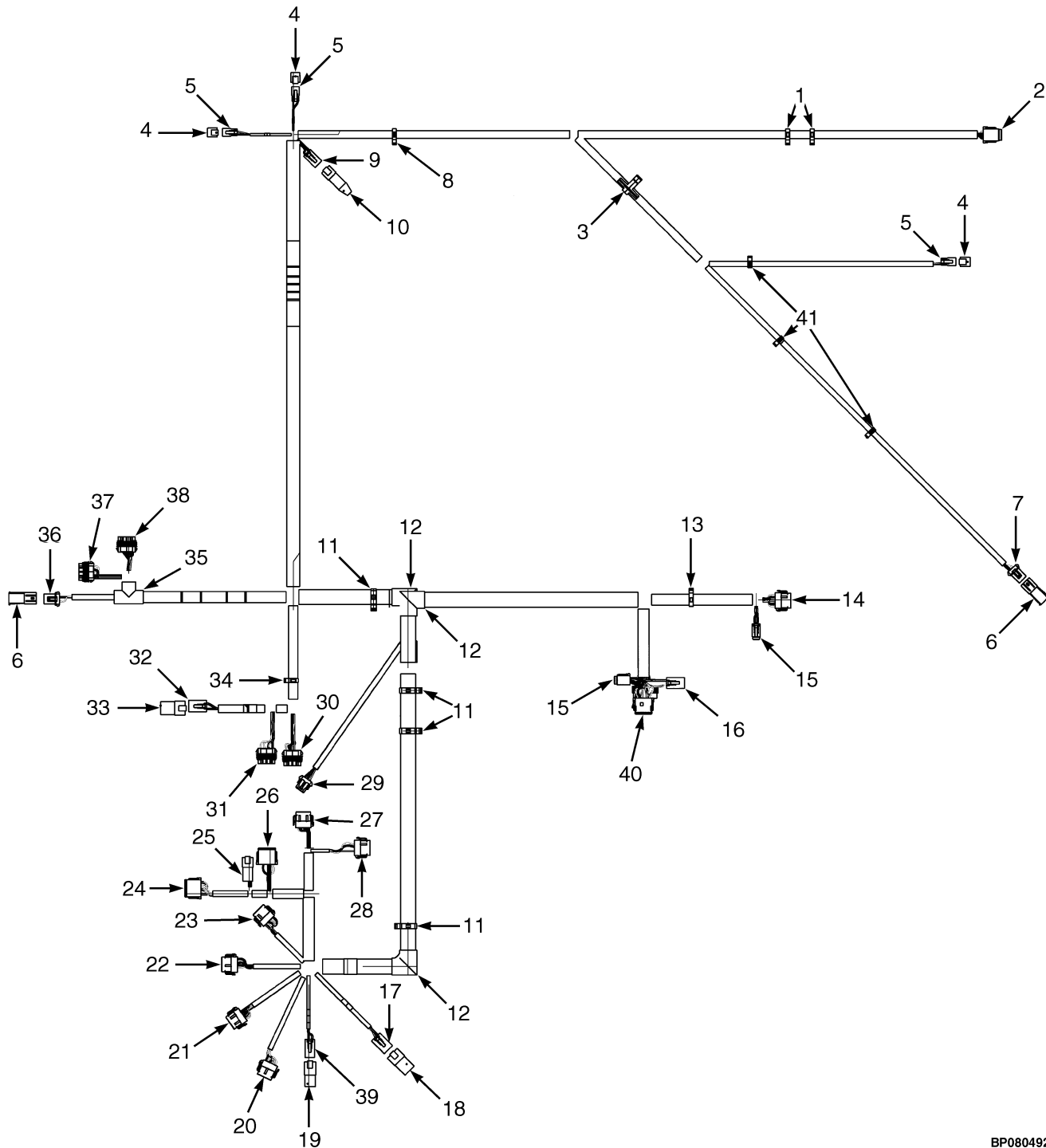
ITEM	PART NO.	DESCRIPTION	QTY
30	.....	Connector Assembly (To Horn)	1
30	1476064	Connector	1
30	1330416	Secondary Lock	1
30	1330356	Seal	2
30	1330355	Terminal	3
30	1476108	Seal	1
31	1534828	Clip	1
32	.....	Connector Assembly (Power Distribution Module)	1
32	1521184	Connector	1
32	1521188	Secondary Lock	1
32	1323579	Seal	5
32	1327164	Plug	1
32	1330281	Terminal	6
32	1521989	Terminal	1
32	1402888	Seal	2
33	.....	Connector Assembly (Power Distribution Module)	1
33	1521183	Connector	1
33	1521188	Secondary Lock	1
33	1323579	Seal	7
33	1327164	Plug	1
33	1330281	Terminal	4
33	1521989	Terminal	3
34	.....	Connector Assembly (Accessory Two)	1
34	1514602	Connector	1
34	1514603	Secondary Lock	1
34	1330439	Insulator	1
34	1554359	Terminal	3
35	.....	Connector Assembly (End Cap)	1
35	1514597	Connector	1
35	1476064	Connector	4
36	1531490	Conduit	1
37	.....	Connector Assembly (End Cap)	1
37	1329150	Connector	1
37	1329151	Secondary Lock	1
37	1327164	Plug	2
38	.....	Connector Assembly (To Hydraulic Filter)	1
38	1329152	Connector	1
38	1329151	Secondary Lock	1
38	1330281	Terminal	2
38	1402888	Seal	2
39	.....	Connector Assembly (Power Distribution Module)	1
39	1521186	Connector	1
39	1521188	Secondary Lock	1
39	1323579	Seal	7
39	1554359	Terminal	1
39	1521989	Terminal	7
40	.....	Connector Assembly (Power Distribution Module)	1
40	1521185	Connector	1
40	1521188	Secondary Lock	1
40	1323579	Seal	8

**WIRE HARNESS
GM 4.3L GASOLINE AND LPG
RIGHT HAND CHASSIS**

ITEM	PART NO.	DESCRIPTION	QTY
40	1330281	Terminal	5
40	1521989	Terminal	3
41	.....	Connector Assembly (Key Switch/Alternate Horn Button)	2
41	1490242	Connector	1
41	1490243	Secondary Lock	1
41	1330438	Terminal (Socket)	2

[illegible]

WIRE HARNESS (Figure 4-25) RIGHT HAND CHASSIS CUMMINS 4.5L DIESEL



BP080492

WIRE HARNESS RIGHT HAND CHASSIS CUMMINS 4.5L DIESEL

ITEM	PART NO.	DESCRIPTION	QTY
	2092544	Wire Harness (RH Chassis)	1
1	1402815	Clip	2
2	.....	Connector Assembly (To Seat Harness)	1
2	1541991	Connector	1
2	1541992	Secondary Lock	1
2	1463139	Terminal	8
3	1587778	Clip	3
4	1626727	Connector	3
5	.....	Connector Assembly (To BackUp Alarm/Accessory One).....	3
5	1490242	Connector	1
5	1490243	Secondary Lock	1
5	1330438	Terminal (Socket)	2
6	.....	Connector Assembly (End Cap)	2
6	1329150	Connector	1
6	1329151	Secondary Lock	1
6	1327164	Plug.....	2
7	.....	Connector Assembly (Coolant Level)	1
7	1329152	Connector	1
7	1329151	Secondary Lock	1
7	1330281	Terminal	2
7	1402888	Seal.....	2
8	1509890	Clip	2
9	.....	Connector Assembly (Bus Terminal)	1
9	1489656	Connector (4-Way)	1
9	1489657	Secondary Lock	1
9	1330438	Terminal (Socket)	4
10	1525577	Connector (With Resistor)	1
11	1534282	Clip	4
12	1560692	Conduit	3
13	1500899	Clip	1
14	.....	Connector Assembly (To Transmission Harness).....	1
14	1525567	Connector	3
14	1529046	Secondary Lock	1
14	1463139	Terminal	11
14	1484377	Terminal (Plug)	1
15	.....	Connector Assembly (To Transmission Harness, Engine Harness)	2
15	1531973	Connector	1
15	1531974	Secondary Lock	1
15	1463139	Terminal	6
16	.....	Connector Assembly (To Engine Harness)	1
16	1514602	Connector	1
16	1514603	Secondary Lock	1
16	1330439	Insulator	1
16	1554359	Terminal	3
17	.....	Connector Assembly (To Light Harness)	1
17	1514602	Connector	1
17	1514603	Secondary Lock	1
17	1554359	Terminal	4
18	.....	Connector Assembly	1
18	1514597	Connector	1

WIRE HARNESS

RIGHT HAND CHASSIS

CUMMINS 4.5L DIESEL

ITEM	PART NO.	DESCRIPTION	QTY
18	1330439	Insulator	4
19	.....	Connector Assembly (End Cap)	1
19	1480187	Connector	1
19	1330439	Insulator	2
20	.....	Connector Assembly (Vehicle System Manager)	1
20	1525570	Connector	1
20	1530037	Secondary Lock	1
20	1463139	Terminal	8
20	1484377	Terminal (Plug)	4
21	.....	Connector Assembly (Vehicle System Manager)	1
21	1525569	Connector	1
21	1530037	Secondary Lock	1
21	1463139	Terminal	11
21	1484377	Terminal (Plug)	1
22	.....	Connector Assembly (Vehicle System Manager)	1
22	1525568	Connector	1
22	1530037	Secondary Lock	1
22	1463139	Terminal	8
22	1484377	Terminal (Plug)	4
23	.....	Connector Assembly (Vehicle System Manager)	1
23	1525567	Connector	1
23	1530037	Secondary Lock	1
23	1463139	Terminal	9
23	1484377	Terminal (Plug)	3
24	.....	Connector Assembly (Vehicle System Manager)	1
24	1525563	Connector	1
24	1500913	Secondary Lock	1
24	1330438	Terminal (Socket)	8
24	1363886	Terminal (Socket)	4
25	.....	Connector Assembly (To Cowl Harness)	1
25	1489655	Connector (4 Way)	1
25	1330416	Secondary Lock	1
25	1330437	Terminal (Pin)	4
26	.....	Connector Assembly (To Cowl Harness)	1
26	1493428	Connector (12-Way)	1
26	1500913	Secondary Lock	1
26	1330438	Terminal (Socket)	9
26	1484377	Terminal (Plug)	3
27	.....	Connector Assembly (Vehicle System Manager)	1
27	1525569	Connector	1
27	1529046	Secondary Lock	1
27	1463139	Terminal	9
27	1484377	Terminal (Plug)	3
28	.....	Connector Assembly (Vehicle System Manager)	1
28	1525567	Connector	1
28	1529046	Secondary Lock	1
28	1463139	Terminal	3
28	1484377	Terminal (Plug)	9
29	.....	Connector Assembly (To Horn)	1
29	1476064	Connector	1

WIRE HARNESS

RIGHT HAND CHASSIS

CUMMINS 4.5L DIESEL

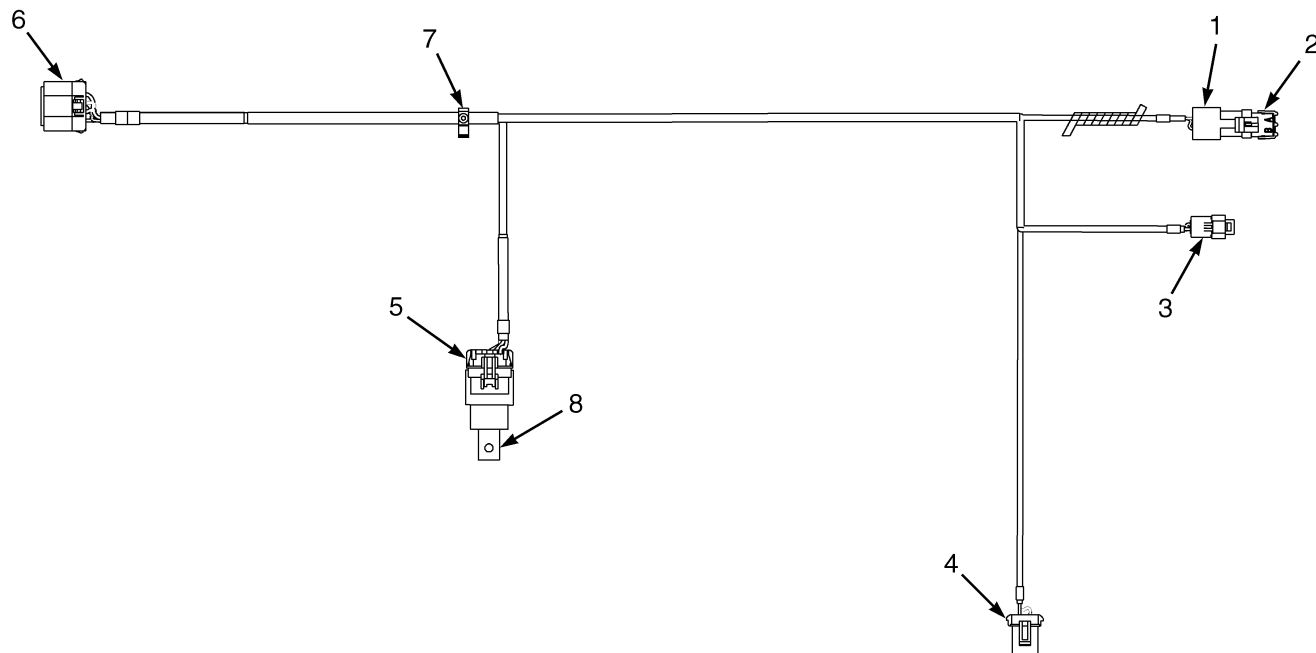
ITEM	PART NO.	DESCRIPTION	QTY
29	1476109	Secondary Lock	1
29	1330356	Seal	2
29	1330355	Terminal	3
29	1476108	Seal	1
30	.....	Connector Assembly (Power Distribution Module)	1
30	1521184	Connector	1
30	1521188	Secondary Lock	1
30	1323579	Seal	5
30	1327164	Plug	2
30	1330281	Terminal	5
30	1521989	Terminal	1
30	1402888	Seal	1
31	.....	Connector Assembly (Power Distribution Module)	1
31	1330281	Terminal	4
31	1521989	Terminal	3
31	1521183	Connector	1
31	1521188	Secondary Lock	1
31	1323579	Seal	7
31	1327164	Plug	1
32	.....	Connector Assembly (Accessory Two)	1
32	1330439	Insulator	1
32	1514602	Connector	1
32	1514603	Secondary Lock	1
32	1554359	Terminal	3
33	.....	Connector Assembly	1
33	1514597	Connector	1
33	1330439	Insulator	4
34	1534828	Clip	1
35	1531490	Conduit	1
36	.....	Connector Assembly (To Hydraulic Filter)	1
36	1329152	Connector	1
36	1329151	Secondary Lock	1
36	1330281	Terminal	2
36	1402888	Seal	2
37	.....	Connector Assembly (Power Distribution Module)	1
37	1521186	Connector	1
37	1521188	Secondary Lock	1
37	1323579	Seal	7
37	1327164	Plug	1
37	1521989	Terminal	7
38	.....	Connector Assembly (Power Distribution Module)	1
38	1521185	Connector	1
38	1521188	Secondary Lock	1
38	1323579	Seal	8
38	1330281	Terminal	6
38	1521989	Terminal	2
39	.....	Connector Assembly (Accessory One)	1
39	1545202	Connector	1
39	1546697	Secondary Lock	1
39	1554359	Terminal	2

**WIRE HARNESS
RIGHT HAND CHASSIS
CUMMINS 4.5L DIESEL**

ITEM	PART NO.	DESCRIPTION	QTY
40	.....	Connector Assembly (To Engine Harness)	1
40	1493428	Connector (12-Way)	1
40	1500913	Secondary Lock	1
40	1330438	Terminal (Socket)	12
41	1509888	Clip	3

[illegible]

WIRE HARNESS (Figure 4-26) GM 4.3L LPG LEFT HAND CHASSIS



BP080436

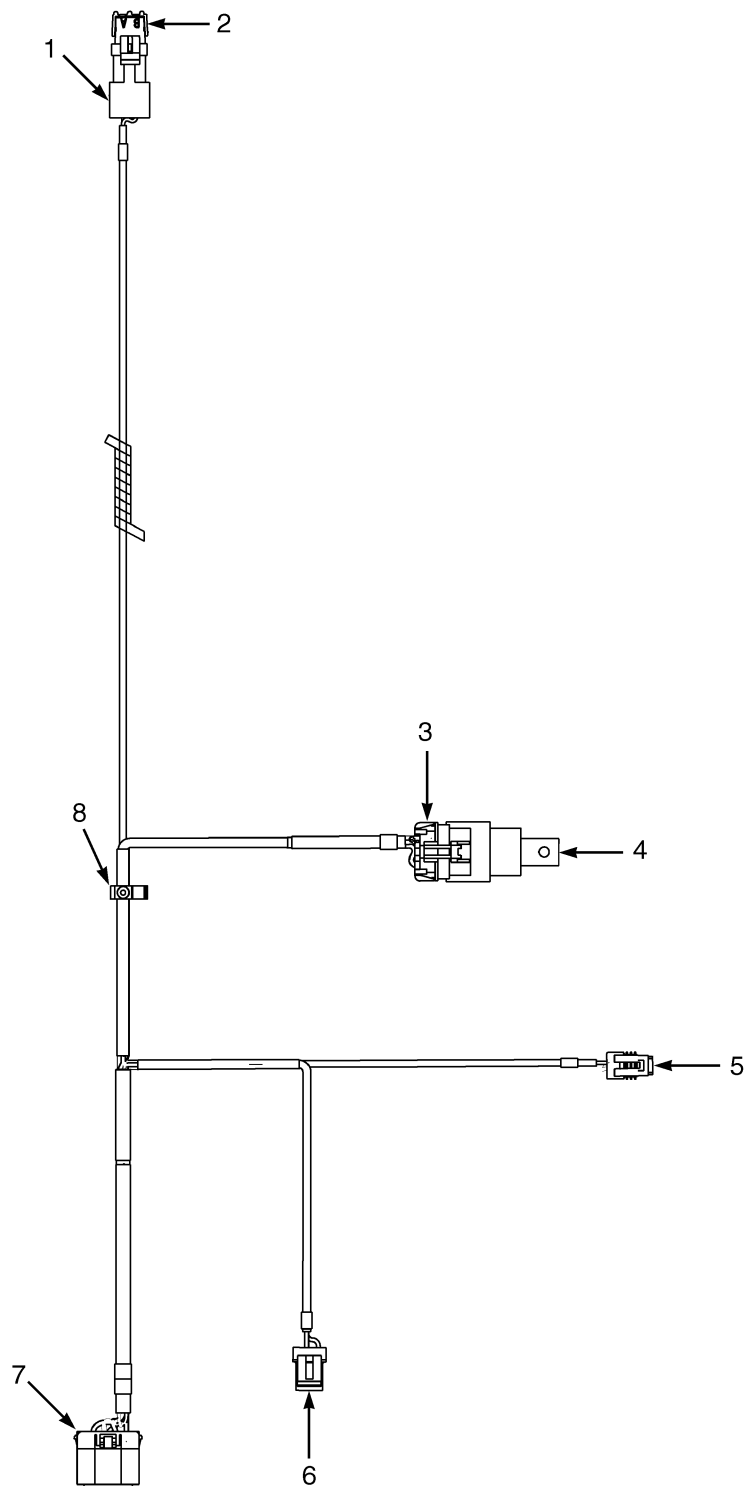
WIRE HARNESS

GM 4.3L LPG

LEFT HAND CHASSIS

ITEM	PART NO.	DESCRIPTION	QTY
	2079116	Wire Harness.....	1
1	.....	Connector Assembly (Air Restriction)	1
1	1465469	Connector	1
1	1323578	Pin.....	2
1	1402888	Seal.....	2
2	.....	End Cap Assembly (Air Restriction Cap)	1
2	1465468	Connector	1
2	1327164	Plug.....	1
3	.....	Connector Assembly (LPG Lockoff)	1
3	1599337	Connector.....	1
3	1561146	Terminal.....	2
4	.....	Connector Assembly (Low LPG Switch)	1
4	1402888	Seal.....	2
4	1329152	Connector	1
4	1329151	Secondary Lock	1
4	1329148	Terminal	2
5	.....	Connector Assembly (Latch Relay)	1
5	1461744	Connector Body	1
5	1327164	Plug.....	1
5	1323579	Seal.....	4
5	1402912	Terminal	4
5	1498483	Sealant.....	AR
6	.....	Connector Assembly (To Engine Wire Harness)	1
6	1527273	Connector	1
6	1402926	Terminal	3
6	1402927	Terminal	5
6	1507571	Seal.....	5
6	1402929	Seal.....	3
6	1527305	Seal.....	1
7	1509888	Clip	1
8	.....	Latch Relay	1
8	1654578	Relay (Shrouded 5 Pin).....	1
8	1654579	Clip (Relay)	1

WIRE HARNESS (Figure 4-27) GM 4.3L, GASOLINE LEFT HAND CHASSIS



BP080469

WIRE HARNESS

GM 4.3L, GASOLINE

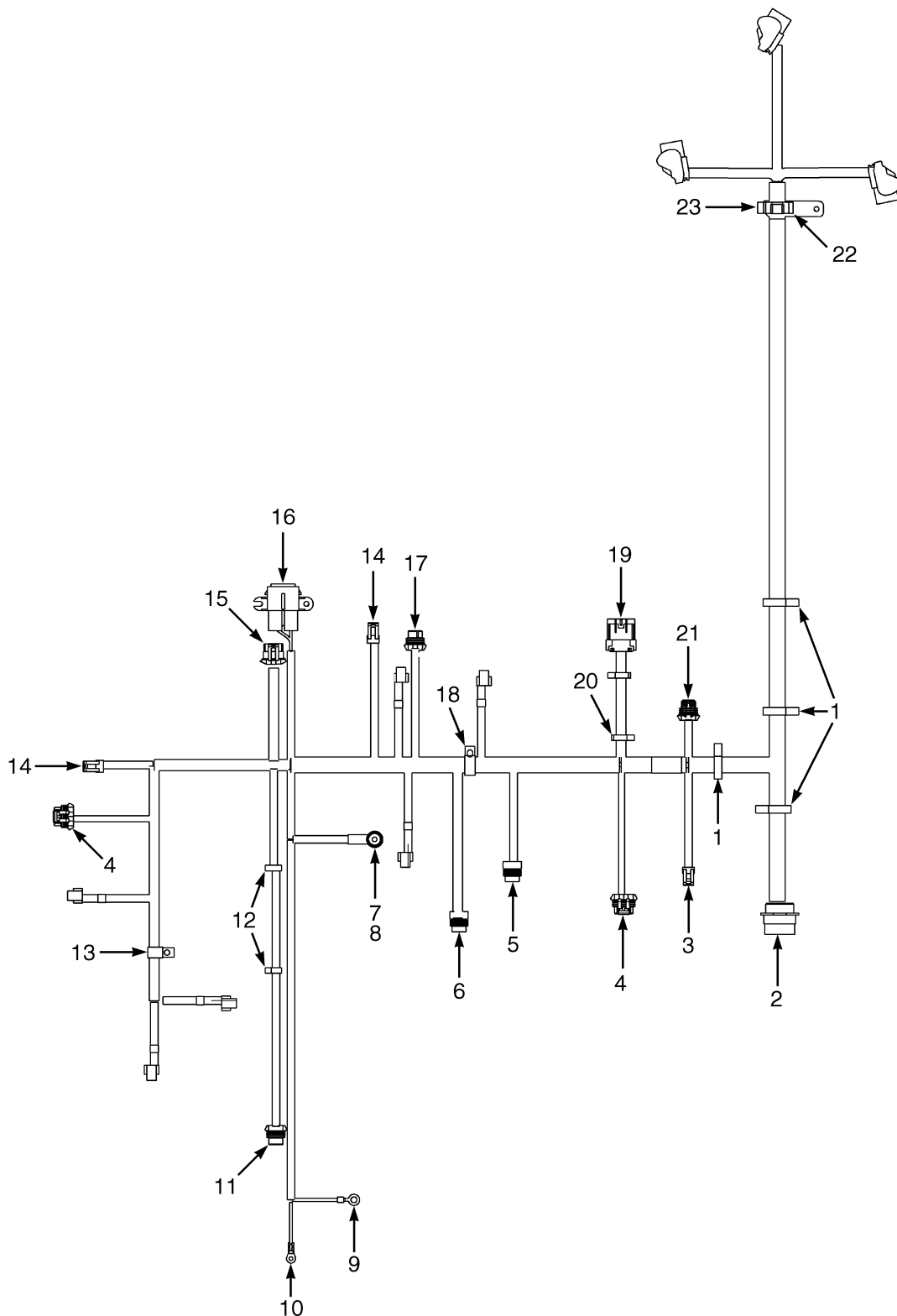
LEFT HAND CHASSIS

ITEM	PART NO.	DESCRIPTION	QTY
	2079115	Wire Harness.....	1
1	.....	Connector Assembly (Air Restriction)	1
1	1465469	Connector	1
1	1402888	Seal.....	2
1	1323578	Pin.....	2
2	.....	End Cap (Air Restriction Cap).....	1
2	1465468	Connector	1
2	1327164	Plug.....	3
3	.....	Connector Assembly (Latch Relay).....	1
3	1461744	Connector Body	1
3	1323579	Seal.....	4
3	1402912	Terminal	4
3	1498483	Sealant.....	AR
4	.....	Latch Relay	1
4	1654578	Relay (Shrouded 5 Pin).....	1
4	1654579	Clip (Relay)	1
5	.....	Connector Assembly (Fuel Level)	1
5	1476077	Connector	1
5	1323576	Terminal	2
6	.....	Connector Assembly (Fuel Pump)	1
6	1519611	Connector	1
6	1323576	Terminal	2
7	.....	Connector Assembly (To Engine Harness)	1
7	1527273	Connector	1
7	1402926	Terminal	3
7	1402927	Terminal	5
7	1507571	Seal.....	5
7	1402929	Seal.....	3
7	1527305	Seal.....	1
8	1509888	Clip	1

WIRE HARNESS (Figure 4-28)

ENGINE

GM 4.3L, GASOLINE

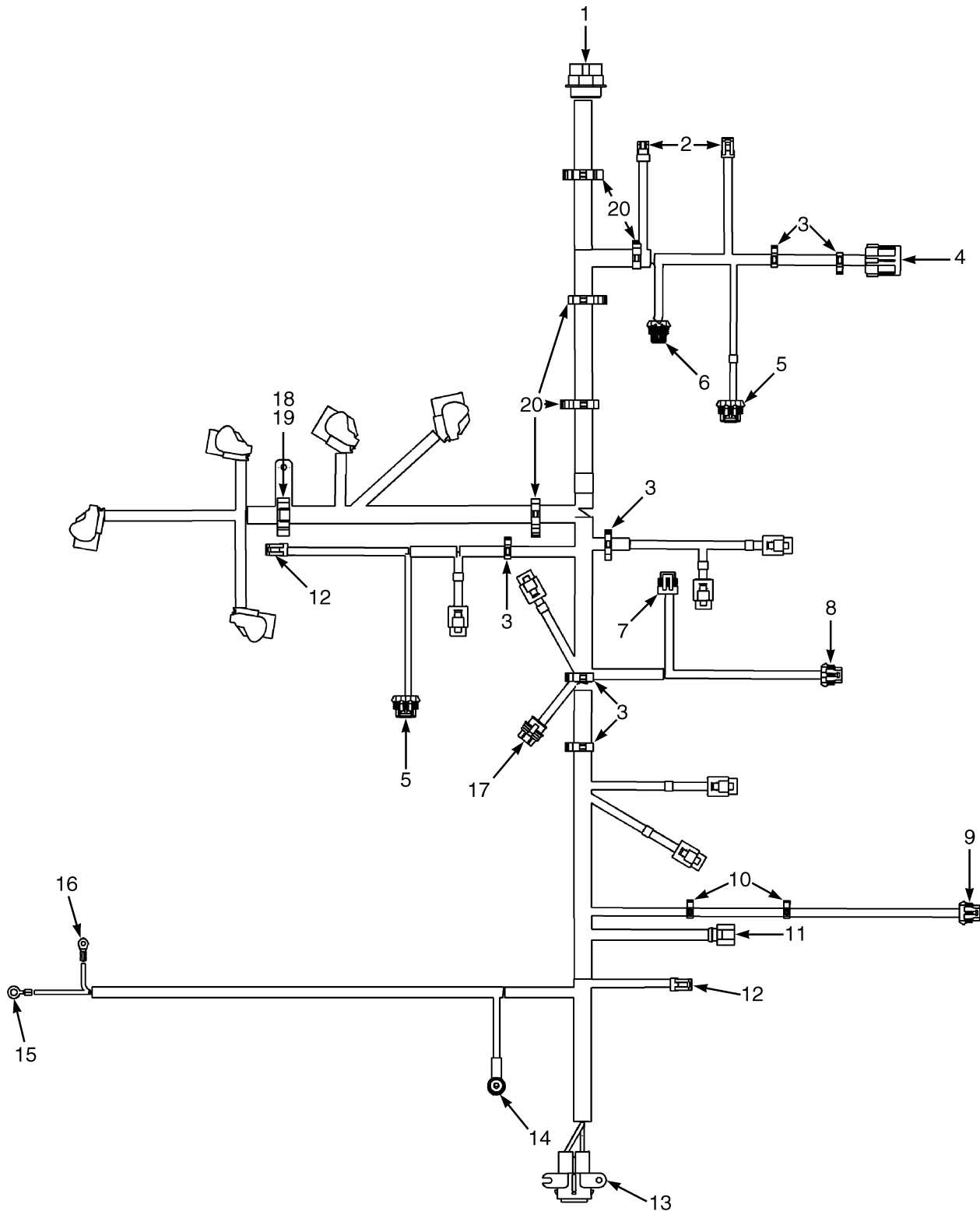


BP080490

WIRE HARNESS ENGINE GM 4.3L, GASOLINE

ITEM	PART NO.	DESCRIPTION	QTY
	2087702	Wire Harness (Engine)	1
1	1540944	Clip	4
2	1531502	Connector	1
3	1327957	Connector (Oil Pressure)	1
4	1482667	Connector (To Oxygen Sensors)	2
5	1607839	Connector	1
6	1547483	Connector (To Ignition/MAP)	2
7	148614	Terminal (To Alternator)	1
8	1566146	Boot	1
9	148615	Terminal (To Starter)	1
10	1519025	Terminal (To Starter)	1
11	1476064	Connector (Crank Position)	1
12	1509888	Clip	2
13	132972	Clamp	1
14	1323586	Connector (To Coolant Sensor/Alternator)	2
15	1607743	Connector	1
16	.....	Fuse Holder Assembly	1
16	1543553	Fuse Holder	1
16	1454829	Fuse (60 Amp)	1
16	1454862	Cover (With Seal)	1
16	1454827	Seal	2
16	1520543	Terminal	2
17	1476071	Connector (To Coil)	1
18	181089	Clamp	1
19	.....	Connector Assembly	1
19	1527275	Connector (To Left Hand Chassis)	1
19	1520513	Clip	1
20	1500900	Clip	1
21	1476067	Connector (Cam Position)	1
22	1532779	Clip	1
23	1558226	Bracket	1

WIRE HARNESS (Figure 4-29) ENGINE GM 4.3L, LPG



BP080491

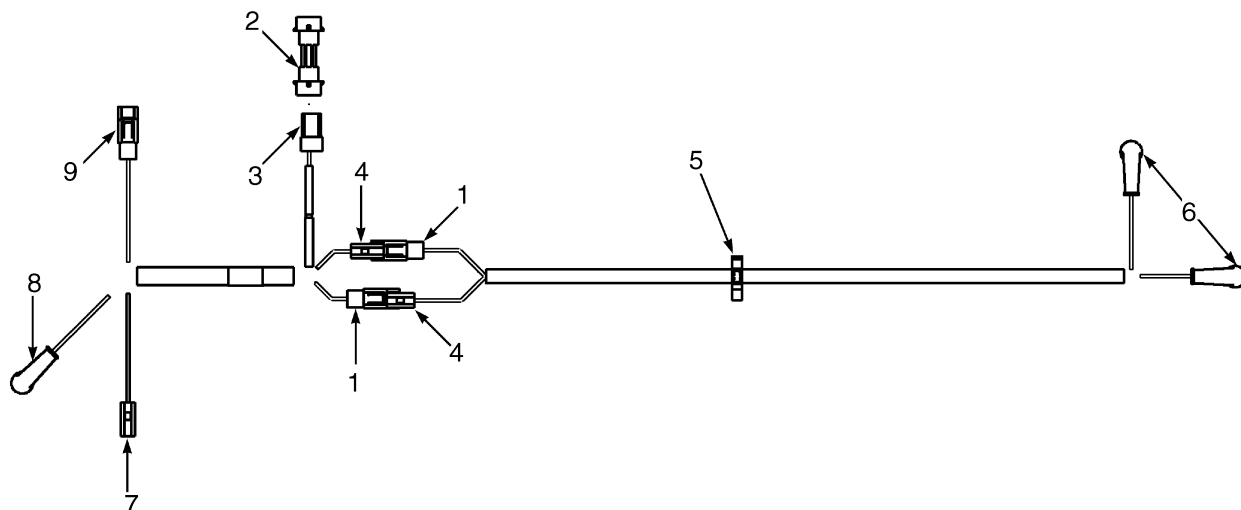
WIRE HARNESS ENGINE GM 4.3L, LPG

ITEM	PART NO.	DESCRIPTION	QTY
	2087701	Wire Harness (Engine) (To RH Chassis Harness).....	1
1	1531502	Connector.....	5
2	1327957	Connector (Oil/Fuel Pressure).....	1
3	1500901	Clip (Cam Sensor).....	1
4	.....	Connector Assembly (To LH Chassis Harness)	1
4	1402809	Clip.....	1
4	1527275	Connector	1
5	1482667	Connector (To Oxygen Sensor).....	2
6	1476067	Connector (To Cam Sensor))	1
7	1547483	Connector (To Ignition)	2
8	1476071	Connector (To Coil)	1
9	1476064	Connector (Crank Position)	1
10	1509888	Clip	1
11	1607743	Connector.....	1
12	1323586	Connector (To Coolant Temp Sensor).....	1
13	.....	Fuse Holder Assembly (Starter Recharge Fuse)	1
13	1543553	Fuse Holder	1
13	1454829	Fuse (60 Amp)	1
13	1454862	Cover (With Seal).....	1
13	1454827	Seal.....	2
13	1520543	Terminal	2
14	.....	Connector Assembly (To Alternator)	1
14	148614	Terminal	1
14	1566146	Boot.....	1
15	148615	Terminal (To Battery Positive).....	1
16	1519025	Terminal (To Starter).....	1
17	1607839	Connector (MAP/MAT)	1
18	1532779	Clip	1
19	1558226	Bracket	1
20	1540944	Clip	5

WIRE HARNESS (Figure 4-30)

SEALED ALTERNATOR

GM 4.3L GS AND LPS

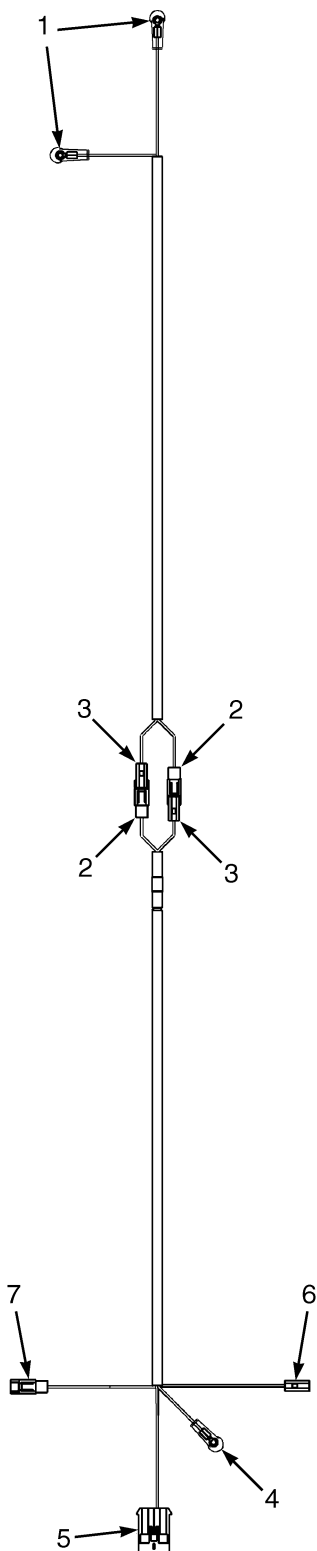


BP080460

ITEM	PART NO.	DESCRIPTION	QTY
	2089037	Wire Harness	1
1	.....	Connector Assembly (To Disconnect Switch Link)	2
1	181045	Connector	1
1	134810	Terminal	1
2	1469606	Adapter (To Engine Harness)	1
3	.....	Connector Assembly (To Engine Harness)	1
3	1323586	Connector	1
3	1323576	Terminal	2
4	.....	Connector Assembly (To Disconnect Switch Link)	2
4	181046	Connector	1
4	1561117	Terminal	1
5	1402816	Clip	1
6	.....	Connector Assembly (To Disconnect Switch)	2
6	1582218	Terminal	1
6	190383	Boot.....	1
6	175944	Heat Shrink Tube	1
7	.....	Connector Assembly (Alternator Excite)	1
7	181046	Connector	1
7	1561117	Terminal	1
8	.....	Connector Assembly (Alternator D+)	1
8	1582218	Terminal	1
8	190383	Boot.....	1
8	175944	Heat Shrink Tube	1
9	.....	Connector Assembly (Alternator Field)	1
9	181045	Connector	1
9	134810	Terminal	1

[illegible]

WIRE HARNESS (Figure 4-31) SEALED ALTERNATOR CUMMINS 4.5L DIESEL

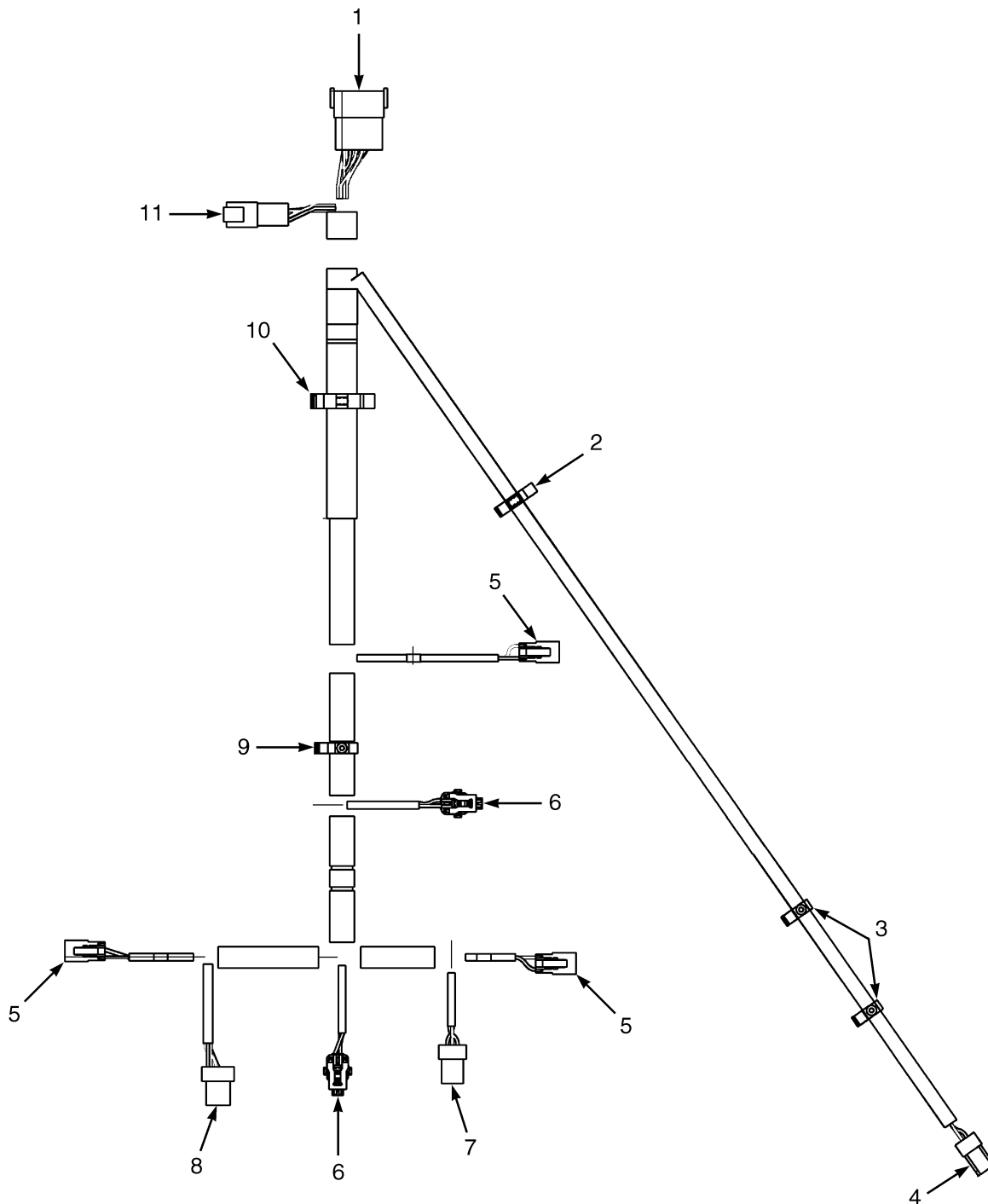


BP080499

WIRE HARNESS SEALED ALTERNATOR CUMMINS 4.5L DIESEL

ITEM	PART NO.	DESCRIPTION	QTY
	2089774	Wire Harness (Sealed Alternator)	1
1	.....	Connector Assembly (To Disconnect Switch).....	2
1	1582218	Terminal	1
1	175944	Heat Shrink Tube	1
1	190383	Boot.....	1
2	.....	Connector Assembly (To Disconnect Switch Link)	2
2	181045	Connector	1
2	134810	Terminal	1
3	.....	Connector Assembly (To Disconnect Switch Link)	2
3	1561117	Terminal	1
3	181046	Connector	1
4	.....	Connector Assembly (Alternator D+)	1
4	1582218	Terminal	1
4	190383	Boot.....	1
4	175944	Heat Shrink Tube	1
5	.....	Connector Assembly (Engine Harness)	1
5	1632137	Connector	1
5	1482663	Lock	1
5	1330356	Seal.....	2
5	1482666	Terminal (Male)	2
5	1482668	Plug.....	2
6	.....	Connector Assembly (Alternator Excite)	1
6	1561117	Terminal	1
6	181046	Connector	1
7	.....	Connector Assembly (Alternator Field)	1
7	181045	Connector	1
7	134810	Terminal	1

WIRE HARNESS (Figure 4-32) TRANSMISSION SINGLE SPEED

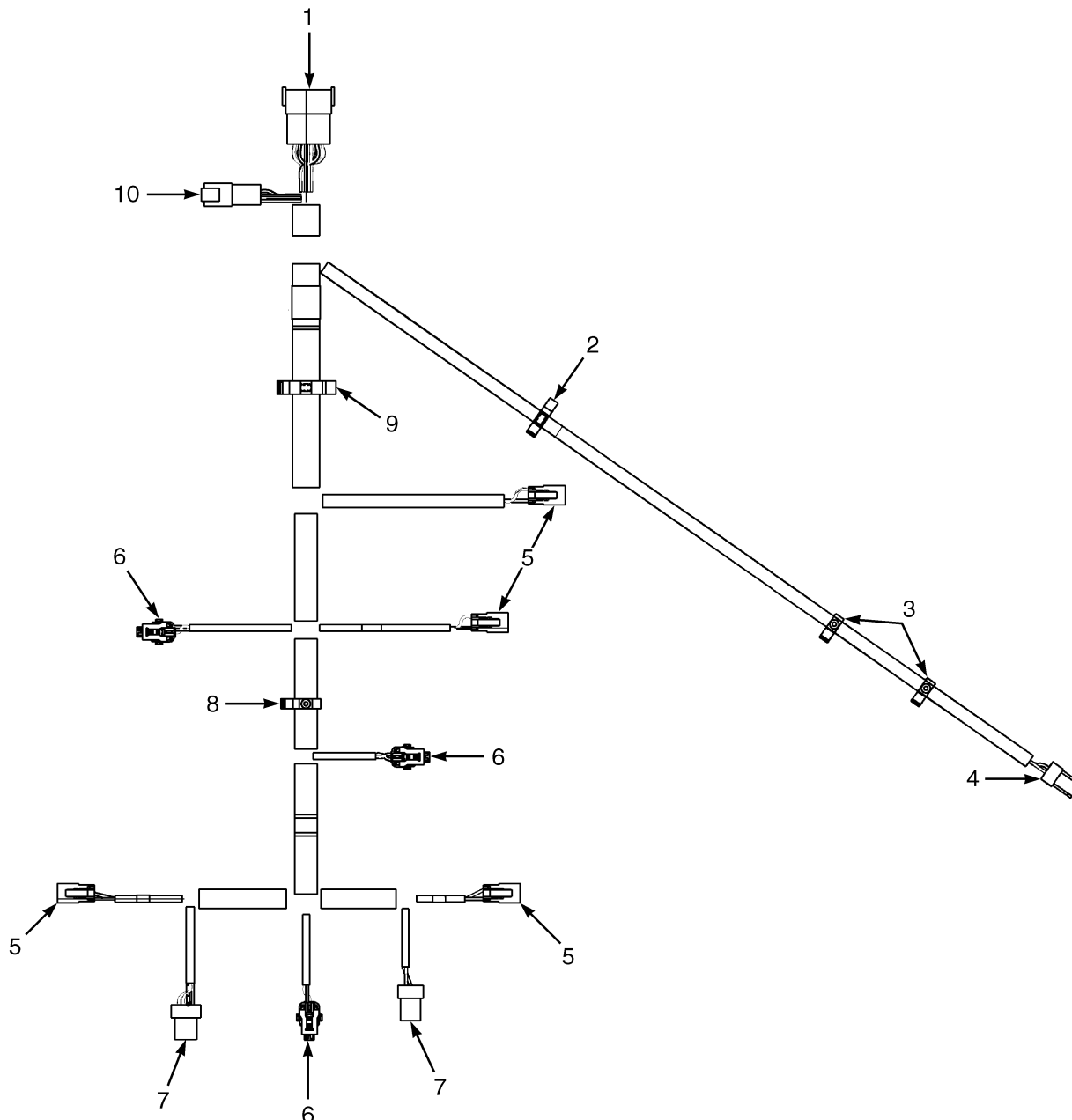


BP080478

**WIRE HARNESS
TRANSMISSION
SINGLE SPEED**

ITEM	PART NO.	DESCRIPTION	QTY
	2085943	Wire Harness.....	1
1	.....	Connector Assembly (To RH Chassis Harness).....	1
1	1623280	Connector	1
1	1623281	Secondary Lock	1
1	1463138	Pin.....	10
1	1484377	Terminal (Plug).....	2
2	1402816	Clip	1
3	1509888	Clip	2
4	.....	Connector Assembly (Temperature).....	1
4	1402868	Connector	1
4	1323576	Terminal	2
5	.....	Connector Assembly (Clutch Forward/Reverse 1)	1
5	1490242	Connector	1
5	1490243	Secondary Lock	1
5	1330438	Terminal (Socket)	2
6	.....	Connector Assembly (Forward/Reverse 1 Pressure)	1
6	1603021	Connector	1
6	1603236	Secondary Lock	1
6	1548517	Terminal (Socket)	3
6	1548519	Seal.....	3
7	.....	Connector Assembly (Turbine Shaft RPM).....	1
7	1546673	Connector	1
7	1323576	Terminal	3
8	.....	Connector Assembly (Tail Shaft RPM)	1
8	1558156	Connector	1
8	1323576	Terminal	4
9	1509890	Clip	1
10	1402813	Clip	1
11	.....	Connector Assembly (To RH Chassis Harness).....	1
11	1530960	Connector	1
11	1530961	Secondary Lock	1
11	1463138	Pin.....	4
11	1484377	Terminal (Plug).....	2

WIRE HARNESS (Figure 4-33) TRANSMISSION DUAL SPEED

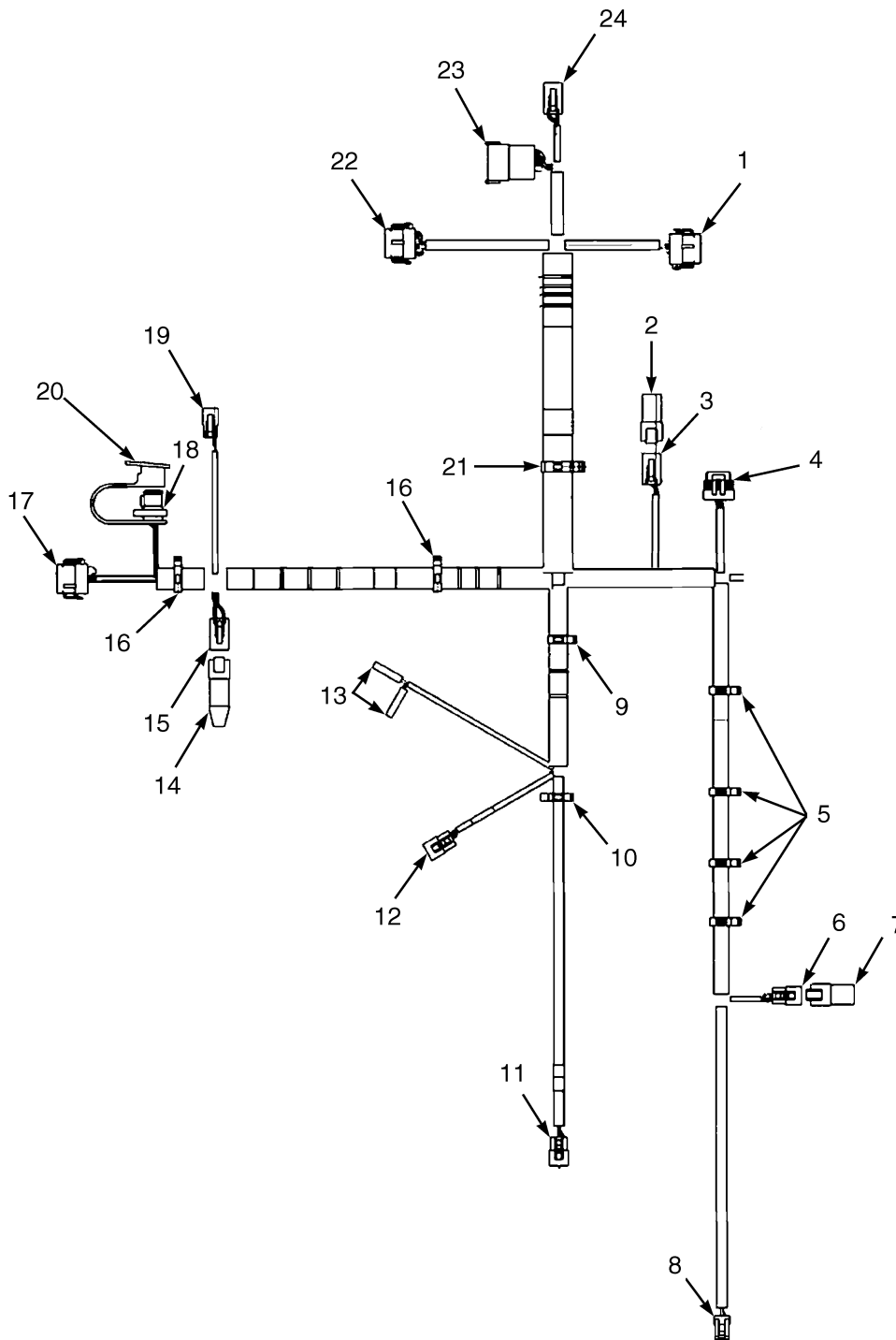


BP080479

**WIRE HARNESS
TRANSMISSION
DUAL SPEED**

ITEM	PART NO.	DESCRIPTION	QTY
	2085942	Wire Harness.....	1
1	.....	Connector Assembly (To RH Chassis Harness).....	1
1	1623280	Connector	1
1	1623281	Secondary Lock	1
1	1463138	Pin.....	11
1	1484377	Terminal (Plug).....	2
2	1402816	Clip	1
3	1509888	Clip	2
4	.....	Connector Assembly (Temperature).....	1
4	1402868	Connector	1
4	1323576	Terminal	2
5	.....	Connector Assembly (Clutch Forward 1, and 2 Reverse 1)	4
5	1490242	Connector	1
5	1490243	Secondary Lock	1
5	1330438	Terminal (Socket)	2
6	.....	Connector Assembly (Forward/Reverse 1 Pressure)	1
6	1603021	Connector	1
6	1603236	Secondary Lock	1
6	1548517	Terminal (Socket)	3
6	1548519	Seal.....	3
7	.....	Connector Assembly (Turbine/Tail Shaft RPM)	2
7	1546673	Connector	1
7	1323576	Terminal	3
8	1509890	Clip	1
9	1402813	Clip	1
10	.....	Connector Assembly (To RH Chassis Harness).....	1
10	1530960	Connector	1
10	1530961	Secondary Lock	1
10	1463138	Pin.....	6

WIRE HARNESS (Figure 4-34) COWL WITH MONOTROL PEDAL



HP081702

WIRE HARNESS

COWL WITH MONOTROL PEDAL

ITEM	PART NO.	DESCRIPTION	QTY
	2070269	Wire Harness	1
1	.....	Connector Assembly (Vehicle System Manager)	1
1	1525568	Connector	1
1	1529046	Secondary Lock	1
1	1463139	Terminal	10
1	1484377	Terminal (Plug)	2
2	1525573	Connector (End Cap)	1
3	.....	Connector Assembly (To Monotrol Harness)	1
3	1489656	Connector (4-Way)	1
3	1489657	Secondary Lock	1
3	1330438	Terminal (Socket)	4
4	.....	Connector Assembly (Accelerator Pedal)	1
4	1525584	Connector	1
4	1532571	Terminal	6
5	1509890	Clip	4
6	.....	Connector Assembly (To Mast)	1
6	1484397	Connector (3-Way)	1
6	1463194	Secondary Lock	1
6	1330438	Terminal (Socket)	3
7	1351682	Connector (End Cap)	1
8	.....	Connector Assembly (Brake Pressure)	1
8	1603021	Connector	1
8	1603236	Secondary Lock	1
8	1548517	Terminal (Socket)	3
8	1548519	Seal	3
9	1534828	Clip	1
10	1402816	Clip	1
11	.....	Connector Assembly (Brake Pedal)	1
11	1463194	Secondary Lock	1
11	1484397	Connector (3-Way)	1
11	1330438	Terminal (Socket)	3
12	.....	Connector Assembly (Park Brake)	1
12	1463194	Secondary Lock	1
12	1484397	Connector (3-Way)	1
12	1330438	Terminal (Socket)	3
13	.....	Connector Assembly (Brake Fluid Sensor)	2
13	1324309	Connector	1
13	1324310	Connector	1
14	1525577	Connector (With Resistor) (End Cap)	1
15	.....	Connector Assembly (Bus Terminal 1)	1
15	1489656	Connector (4-Way)	1
15	1489657	Secondary Lock	1
15	1330438	Terminal (Socket)	4
16	1500899	Clip	2
17	.....	Connector Assembly (Display)	1
17	1525567	Connector	1
17	1529046	Secondary Lock	1
17	1463139	Terminal	5
17	1484377	Terminal (Plug)	7
18	.....	Connector Assembly (J1939 Diagnostic)	1
18	1566116	Connector	1

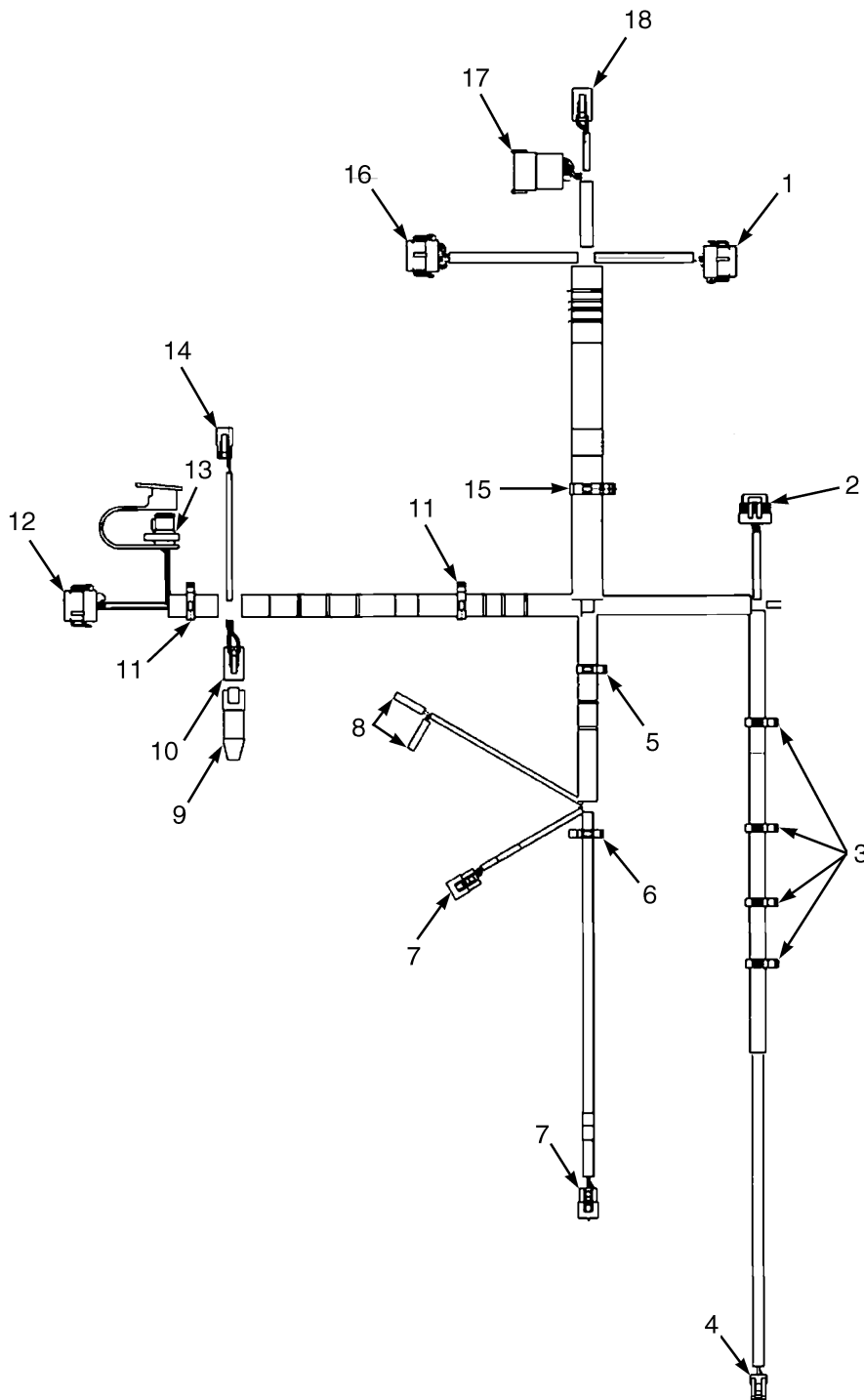
WIRE HARNESS

COWL WITH MONOTROL PEDAL

ITEM	PART NO.	DESCRIPTION	QTY
18	1532664	Secondary Lock	1
18	1330438	Terminal (Socket)	3
19	.....	Connector Assembly (To Horn)	1
19	1490242	Connector	1
19	1402813	Clip	1
19	1330438	Terminal (Socket)	2
20	1566117	Dust Cap	1
21	1534282	Clip	1
22	.....	Connector Assembly (Vehicle System Manager)	1
22	1525570	Connector	1
22	1529046	Secondary Lock	1
22	1463139	Terminal	7
22	1484377	Terminal (Plug).....	5
23	.....	Connector Assembly (RH Chassis).....	1
23	1500925	Connector	1
23	1352603	Secondary Lock	1
23	1330437	Terminal (Pin).....	9
23	1484377	Terminal (Plug).....	3
24	.....	Connector Assembly (RH Chassis).....	1
24	1489656	Connector (4-Way)	1
24	1330438	Terminal (Socket)	4
24	1489657	Secondary Lock	1

[illegible]

WIRE HARNESS (Figure 4-35) COWL WITH FORWARD/REVERSE LEVER



BP080443

WIRE HARNESS

COWL WITH FORWARD/REVERSE LEVER

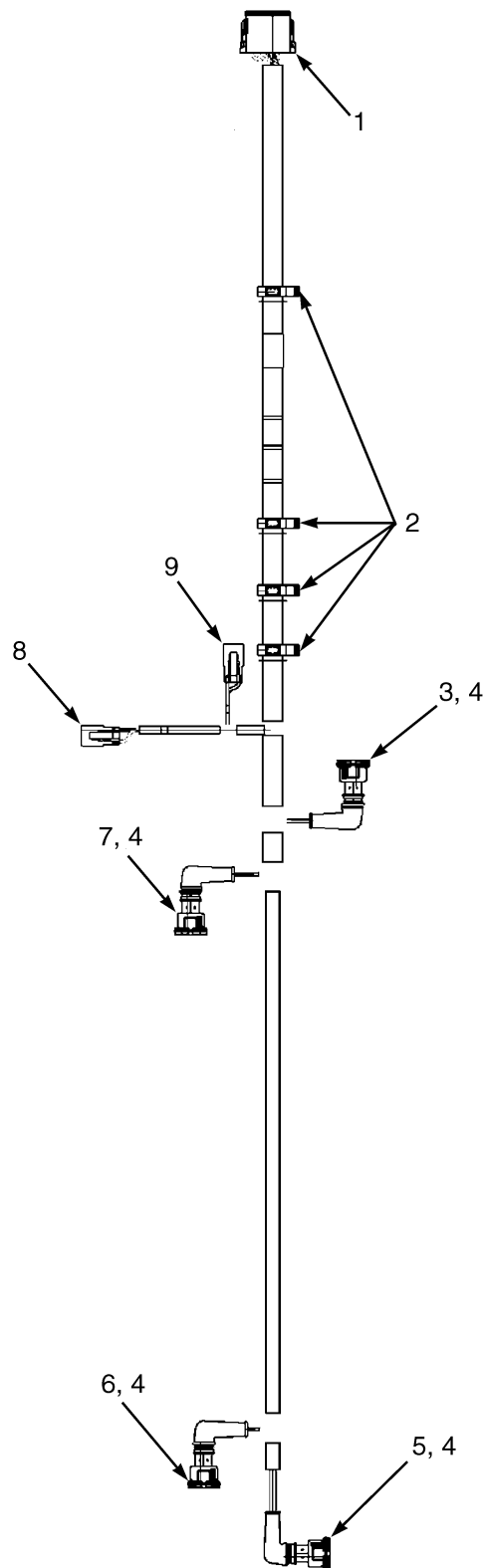
ITEM	PART NO.	DESCRIPTION	QTY
	2084829	Wire Harness (Cowl)	1
1	.....	Connector Assembly (Vehicle System Manager)	1
1	1525568	Connector	1
1	1463139	Terminal	6
1	1484377	Terminal (Plug)	6
1	1529046	Secondary Lock	1
2	.....	Connector Assembly (Accelerator Pedal Sensor)	1
2	1525584	Connector	1
2	1532571	Terminal	6
3	1509888	Clip	4
4	.....	Connector Assembly (Brake Pressure)	1
4	1603021	Connector	1
4	1603236	Secondary Lock	1
4	1548517	Terminal (Socket)	3
4	1548519	Seal	3
5	1534828	Clip	1
6	1402816	Clip	1
7	.....	Connector Assembly (Park Brake)	2
7	1484397	Connector (3-Way)	1
7	1463194	Secondary Lock	1
7	1330438	Terminal (Socket)	3
8	.....	Connector Assembly (Brake Fluid)	2
8	1324309	Connector	1
8	1324310	Connector	1
9	1525577	Connector (With Resistor) (End Cap)	1
10	.....	Connector Assembly	1
10	1489656	Connector (4-Way)	1
10	1489657	Secondary Lock	1
10	1330438	Terminal (Socket)	4
11	1500899	Clip	2
12	.....	Connector Assembly (Display)	1
12	1525567	Connector	1
12	1529046	Secondary Lock	1
12	1463139	Terminal	5
12	1484377	Terminal (Plug)	7
13	.....	Connector Assembly (J1939 Diagnostic)	1
13	1566116	Connector	1
13	1532664	Secondary Lock	1
13	1330438	Terminal (Socket)	3
13	1566117	Dust Cap	1
14	.....	Connector Assembly (Horn Button)	1
14	1490242	Connector	1
14	1402813	Clip	1
14	1330438	Terminal (Socket)	2
15	1534282	Clip	1
16	.....	Connector Assembly (Vehicle System Manager)	1
16	1525570	Connector	1
16	1529046	Secondary Lock	1
16	1463139	Terminal	7
16	1484377	Terminal (Plug)	5
17	.....	Connector Assembly (To RH Chassis)	1

**WIRE HARNESS
COWL WITH FORWARD/REVERSE LEVER**

ITEM	PART NO.	DESCRIPTION	QTY
17	1500925	Connector	1
17	1352603	Secondary Lock	1
17	1330437	Terminal (Pin).....	6
17	1484377	Terminal (Plug).....	6
18		Connector Assembly (To RH Chassis)	1
18	1489656	Connector (4-Way)	1
18	1489657	Secondary Lock	1
18	1330438	Terminal (Socket)	4

[illegible]

WIRE HARNESS (Figure 4-36) ELECTRONIC CONTROL VALVE THREE FUNCTION

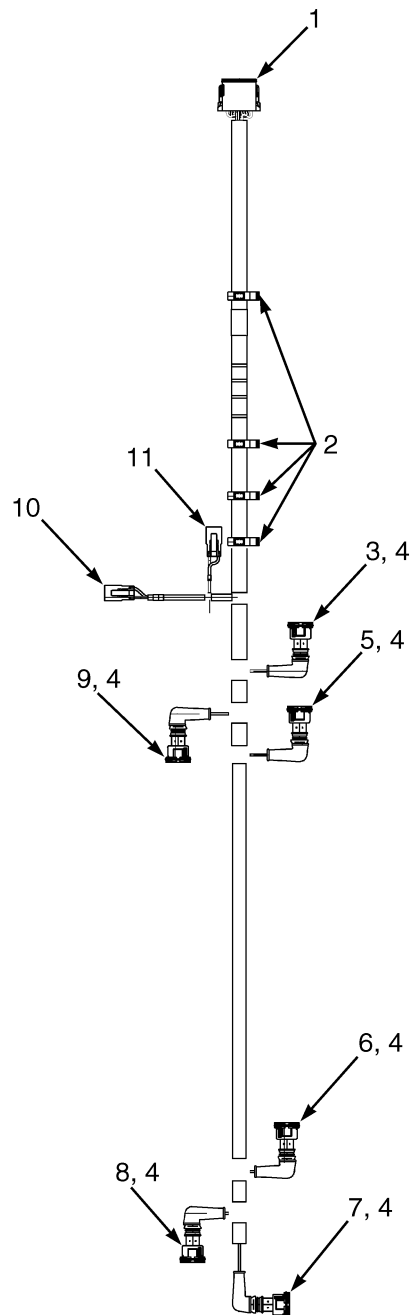


HP081569

WIRE HARNESS ELECTRONIC CONTROL VALVE THREE FUNCTION

ITEM	PART NO.	DESCRIPTION	QTY
	2060198	Wire Harness (Electronic Control Valve)	1
1	.....	Connector Assembly (Vehicle System Manager)	1
1	1525564	Connector	1
1	1330438	Terminal (Socket)	9
1	1330439	Insulator	3
1	1525564	Connector	1
1	1500913	Secondary Lock	1
2	1402815	Clip	4
3	.....	Connector Assembly (2A Tilt).....	1
3	1531162	Connector	1
3	1562649	Seal.....	2
3	1402814	Terminal	2
4	190383	Boot.....	4
5	.....	Connector Assembly (2B Tilt).....	1
5	1531162	Connector	1
5	1562649	Seal.....	2
5	1402814	Terminal	2
6	.....	Connector Assembly (3B Auxiliary 1).....	1
6	1493435	Connector (2-Way).....	1
6	1562649	Seal.....	2
6	1402814	Terminal	2
7	.....	Connector Assembly (3A Auxiliary 1).....	1
7	1493435	Connector (2-Way).....	1
7	1562649	Seal.....	2
7	1402814	Terminal	2
8	.....	Connector Assembly (Lift)	1
8	1490242	Connector	1
8	1330438	Terminal (Socket)	2
8	1490243	Secondary Lock	1
9	.....	Connector Assembly (Lower)	1
9	1490242	Connector	1
9	1330438	Terminal (Socket)	2
9	1490243	Secondary Lock	1

WIRE HARNESS (Figure 4-37) ELECTRONIC CONTROL VALVE FOUR FUNCTION

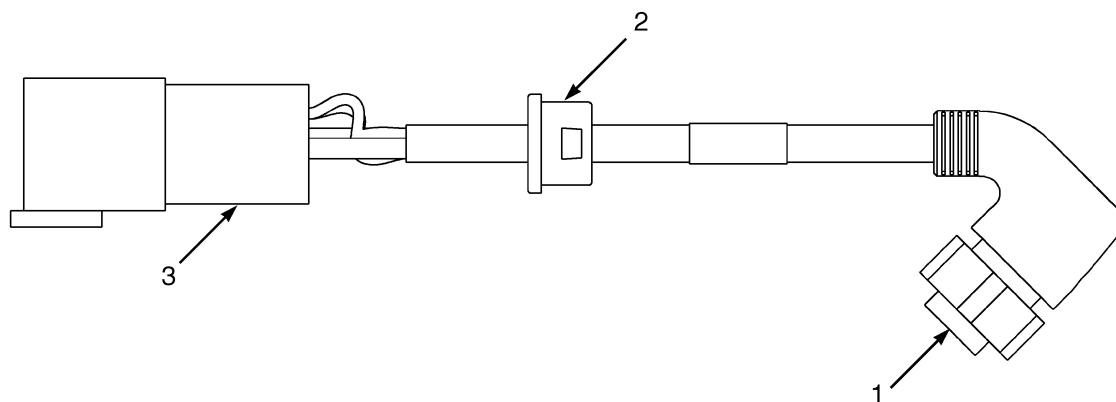


HP081568

WIRE HARNESS ELECTRONIC CONTROL VALVE FOUR FUNCTION

ITEM	PART NO.	DESCRIPTION	QTY
	2058909	Wire Harness (Electronic Control Valve)	1
1	.....	Connector Assembly (Vehicle System Manager)	1
1	1525564	Connector	1
1	1330438	Terminal (Socket)	12
1	1500913	Secondary Lock	1
2	1402815	Clip	4
3	.....	Connector Assembly (2A Tilt).....	1
3	1531162	Connector	1
3	1562649	Seal.....	2
3	1402814	Terminal	2
4	190383	Boot.....	6
5	1493447	Connector (4A Auxiliary 2)	1
5	1562649	Seal.....	2
5	1402814	Terminal	2
6	1493447	Connector (4B Auxiliary 2)	1
6	1562649	Seal.....	2
6	1402814	Terminal	2
7	.....	Connector Assembly (2B Tilt).....	1
7	1531162	Connector	1
7	1562649	Seal.....	2
7	1402814	Terminal	2
8	.....	Connector Assembly (3B Auxiliary 1).....	1
8	1493435	Connector (2-Way).....	1
8	1562649	Seal.....	2
8	1402814	Terminal	2
9	.....	Connector Assembly (3A Auxiliary 1).....	1
9	1493435	Connector (2-Way).....	1
9	1562649	Seal.....	2
9	1402814	Terminal	2
10	.....	Connector Assembly (Lift)	1
10	1490242	Connector	1
10	1330438	Terminal (Socket)	2
10	1490243	Secondary Lock	1
11	.....	Connector Assembly (Lower)	1
11	1490242	Connector	1
11	1330438	Terminal (Socket)	2
11	1490243	Secondary Lock	1

WIRE HARNESS (Figure 4-38) JOYSTICK

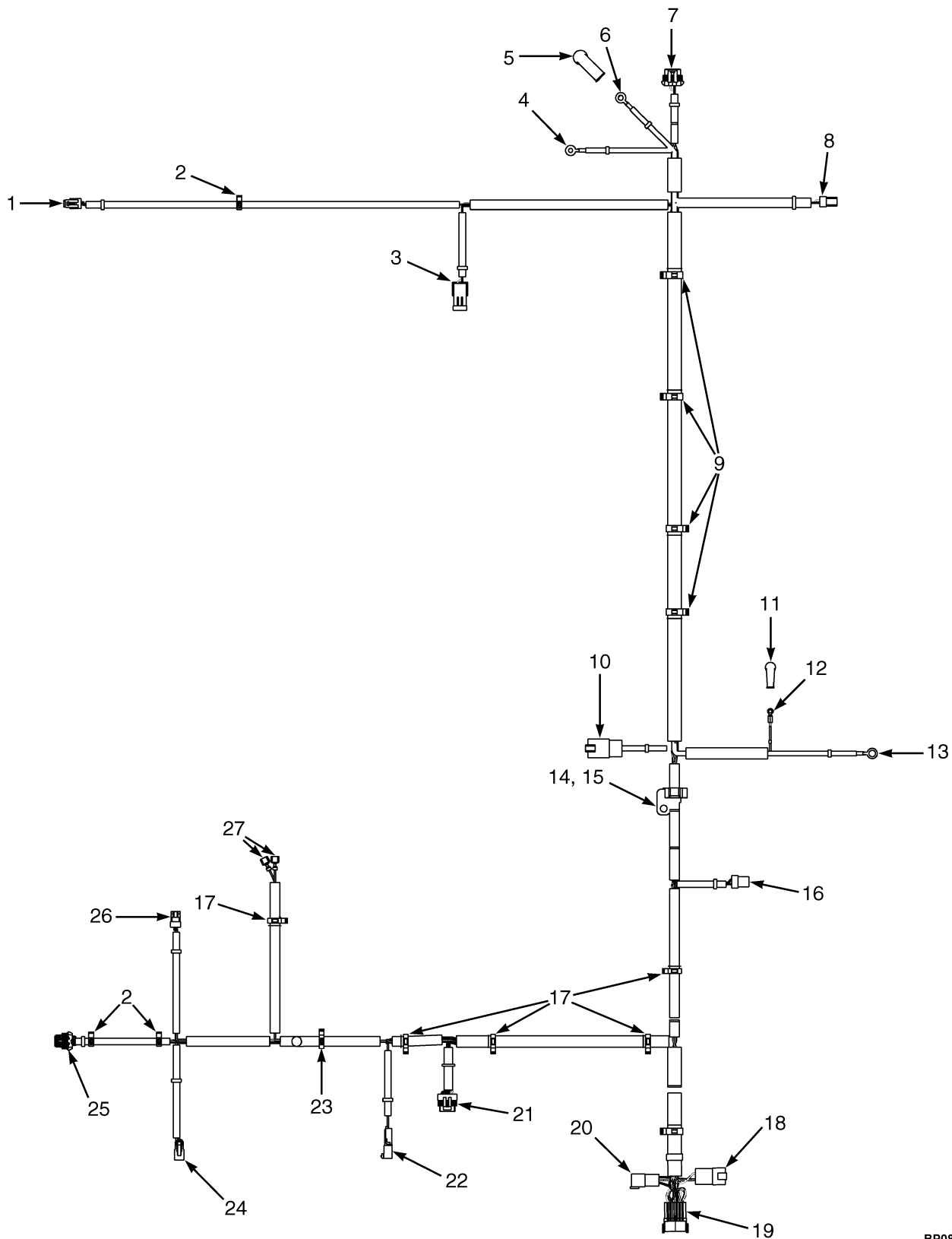


BP080452

ITEM	PART NO.	DESCRIPTION	QTY
	2084703	Wire Harness (Joystick).....	1
1	.....	Connector Assembly (To Joystick)	1
1	1616384	Connector	2
1	1616386	Terminal (Socket)	6
1	1616388	Collar (Joystick).....	1
1	1616390	O-Ring.....	1
2	1569995	Bushing	1
3	.....	Connector Assembly (To Seat Harness)	1
3	1530960	Connector	1
3	1530961	Secondary Lock	1
3	1463140	Terminal (Pin).....	6

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WIRE HARNESS (Figure 4-39) CUMMINS 4,5L DIESEL



BP080522

**WIRE HARNESS
CUMMINS 4,5L DIESEL**

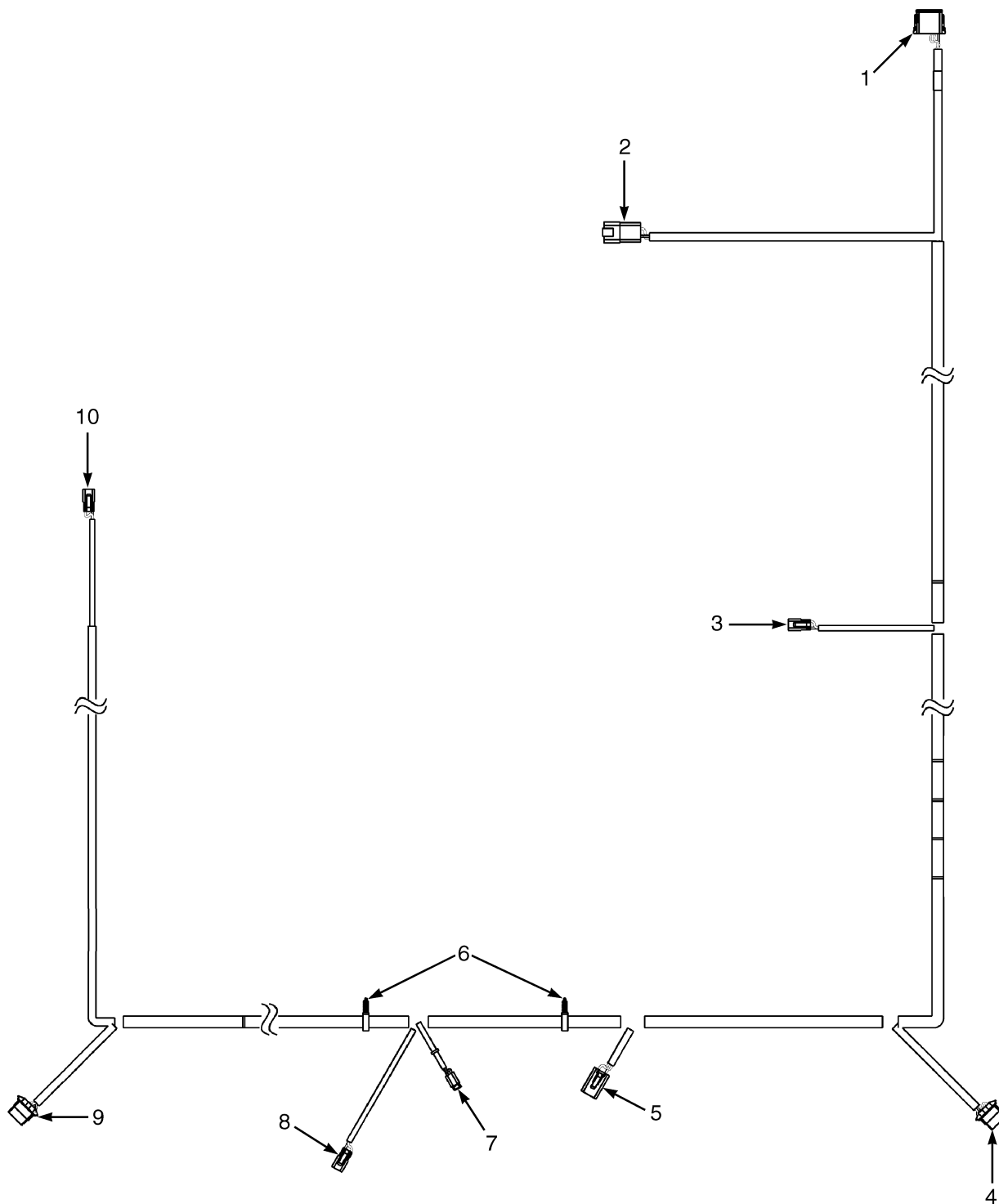
ITEM	PART NO.	DESCRIPTION	QTY
	2092371	Wire Harness	1
1	.....	Connector Assembly (Fuel Level Sensor)	1
1	1476077	Connector	1
1	1323576	Terminal	2
2	1509888	Clip	3
3	.....	Connector Assembly (Air Restriction Indicator)	1
3	1465469	Connector	1
3	1323578	Pin	2
3	1402888	Seal	2
4	806425	Terminal	1
5	204223	Boot	1
6	.....	Connector Assembly (Alternator)	1
7	1501919	Connector	1
7	1330355	Terminal	2
7	1482668	Plug	2
7	1330356	Seal	2
7	1482663	Lock	1
8	.....	Connector Assembly (Water Temp. Sensor)	1
8	1323586	Connector	1
8	1323576	Terminal	2
9	1534329	Clip	4
10	.....	Connector Assembly (Starter Positive)	1
10	1544731	Connector	1
10	1544733	Pin	1
11	190383	Boot	1
12	1493448	Terminal (Ring)	1
13	1354497	Terminal	1
14	1532775	Clip	1
15	1558228	Bracket	1
16	.....	Connector Assembly (Engine RPM Sensor)	1
16	1546673	Connector	1
16	1323576	Terminal	3
17	1402815	Clip	5
18	.....	Connector Assembly (Engine to Chassis)	1
18	1514597	Connector	1
18	1330438	Terminal (Socket)	1
18	866401	Pin	3
18	1514598	Secondary Lock	1
19	.....	Connector Assembly (Engine to Chassis)	1
19	1500925	Connector	1
19	1330437	Terminal (Pin)	12
19	1352603	Secondary Lock	1
20	.....	Connector Assembly (Engine to Chassis)	1
20	1463138	Pin	6
20	1530960	Connector	1
20	1530961	Secondary Lock	1
21	.....	Connector Assembly (Throttle Position)	1
21	1525584	Connector	1
21	1532571	Terminal	6
22	.....	Connector Assembly (Fuel Shut Off Solenoid)	1
22	1498476	Connector Housing	1

WIRE HARNESS CUMMINS 4,5L DIESEL

ITEM	PART NO.	DESCRIPTION	QTY
22	1334999	Pin.....	1
22	1491818	Seal.....	1
23	1509890	Clip	1
24		Connector Assembly (Pull Actuator)	1
24	1330419	Connector	1
24	1351681	Connector	1
24	1363886	Terminal (Socket)	1
24	1330438	Terminal (Socket)	1
24	1330424	Secondary Lock	1
25		Connector Assembly (Water Separator).....	1
25	1476067	Connector	1
25	1330355	Terminal	3
25	1476109	Secondary Lock	1
25	1476108	Seal.....	3
26		Connector Assembly (Oil Pressure Sensor).....	1
26	1327957	Connector	1
26	1532571	Terminal	3
27	1521309	Terminal.....	2

[illegible]

WIRE HARNESS (Figure 4-40) LIGHTS WITH OVERHEAD GUARD



BP080494

WIRE HARNESS LIGHTS WITH OVERHEAD GUARD

ITEM	PART NO.	DESCRIPTION	QTY
	2090085	Wire Harness.....	1
1	.....	Connector Assembly (Vehicle System Manager)	1
1	1525566	Connector	1
1	1484377	Terminal (Plug).....	9
1	1330438	Terminal (Socket)	3
1	1500913	Secondary Lock	1
2	.....	Connector Assembly (Chassis Harness).....	1
2	1514597	Connector	1
2	1484709	Terminal (Pin).....	4
2	1514598	Secondary Lock	1
3	.....	Connector Assembly (RH Front Work Lights)	1
3	1490242	Connector	1
3	1363886	Terminal (Socket)	2
3	1490243	Secondary Lock	1
4	.....	Connector Assembly (RH Rear Signal Lights)	1
4	1531486	Connector	1
4	1330355	Terminal	4
4	1330356	Seal.....	1
4	1482668	Plug.....	2
4	930591	Secondary Lock	1
4	1476108	Seal.....	3
5	.....	Connector Assembly (Work Light Resistor)	1
5	1514602	Connector	1
5	1514603	Secondary Lock	1
5	1554359	Terminal	4
6	1509890	Clip	2
7	.....	Connector Assembly (Strobe)	1
7	1484557	Connector	1
7	1484558	Secondary Lock	1
7	1463139	Terminal	2
8	.....	Connector Assembly (Rear Work Lights)	1
8	1490242	Connector	1
8	1490243	Secondary Lock	1
8	1363886	Terminal (Socket)	2
9	.....	Connector Assembly (LH Rear Signal)	1
9	1531486	Connector	1
9	930591	Secondary Lock	1
9	1330355	Terminal	4
9	1330356	Seal.....	1
9	1482668	Plug.....	2
9	1476108	Seal.....	3
10	.....	Connector Assembly (LH Front Work Lights)	1
10	1490242	Connector	1
10	1490243	Secondary Lock	1
10	1363886	Terminal (Socket)	2

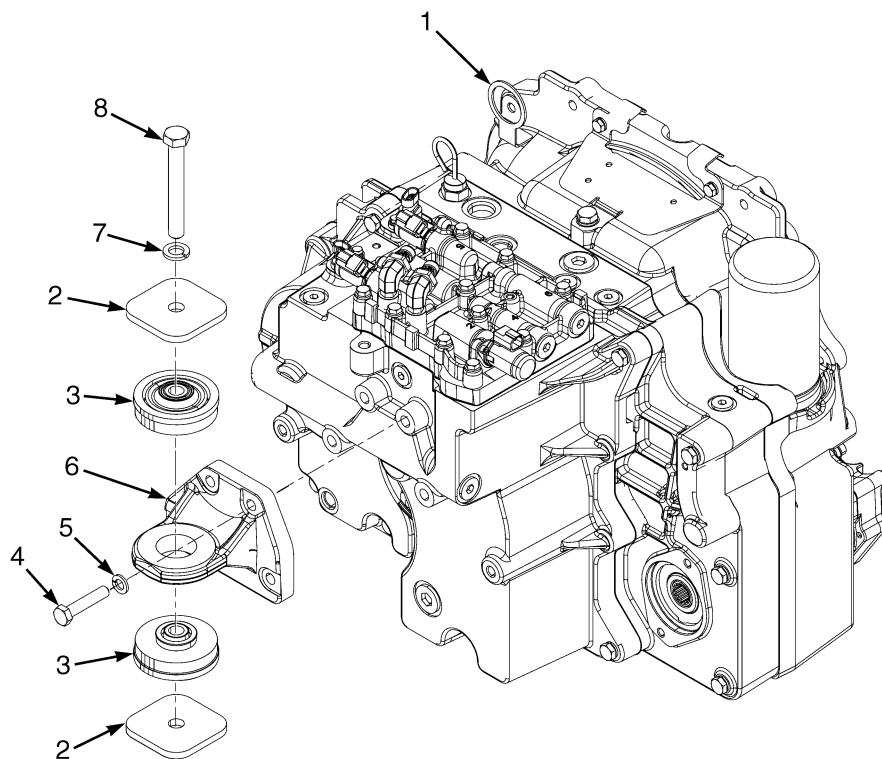
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5	TRANSMISSION	
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SECTION 5 TRANSMISSION

DESCRIPTION	PAGE
CONTROL VALVE	
TRANSMISSION.....	5-56
FORWARD CLUTCH	
SINGLE SPEED TRANSMISSION	
PENDING PER ECN 10402574⇒	5-28
⇒PENDING PER ECN 10402574	5-18
FORWARD CLUTCH, HIGH	
DUAL SPEED TRANSMISSION	
PENDING PER ECN 10402574⇒	5-52
⇒PENDING PER ECN 10402574	5-40
FORWARD CLUTCH, LOW	
DUAL SPEED TRANSMISSION	
PENDING PER ECN 10402574⇒	5-50
⇒PENDING PER ECN 10402574	5-38
REVERSE CLUTCH	
DUAL SPEED TRANSMISSION	
PENDING PER ECN 10402574⇒	5-54
⇒PENDING PER ECN 10402574	5-42
SINGLE SPEED TRANSMISSION	
PENDING PER ECN 10402574⇒	5-30
⇒PENDING PER ECN 10402574	5-20
TORQUE CONVERTER	
CUMMINS 4.5L DIESEL	5-4
GM 4.3L, GASOLINE AND LPG	5-5
TRANSMISSION	
DUAL SPEED	
SHEET 1 OF 2	
PENDING PER ECN 10402574⇒	5-44
⇒PENDING PER ECN 10402574	5-32
SHEET 2 OF 2	
PENDING PER ECN 10402574⇒	5-48
⇒PENDING PER ECN 10402574	5-36
SINGLE SPEED	
SHEET 1 OF 2	
PENDING PER ECN 10402574⇒	5-22
⇒PENDING PER ECN 10402574	5-12
SHEET 2 OF 2	
PENDING PER ECN 10402574⇒	5-26
⇒PENDING PER ECN 10402574	5-16
TRANSMISSION COOLING	
WITH EXTERNAL OIL COOLER	
GM 4.3L AND CUMMINS 4.5L	5-10
WITH INTERNAL OIL COOLER	
CUMMINS 4.5L DIESEL	5-6
GM 4.3L GASOLINE AND LPG	5-8
TRANSMISSION MOUNTING.....	5-2
PENDING PER ECN 10402574⇒	5-3

TRANSMISSION MOUNTING (Figure 5-1)

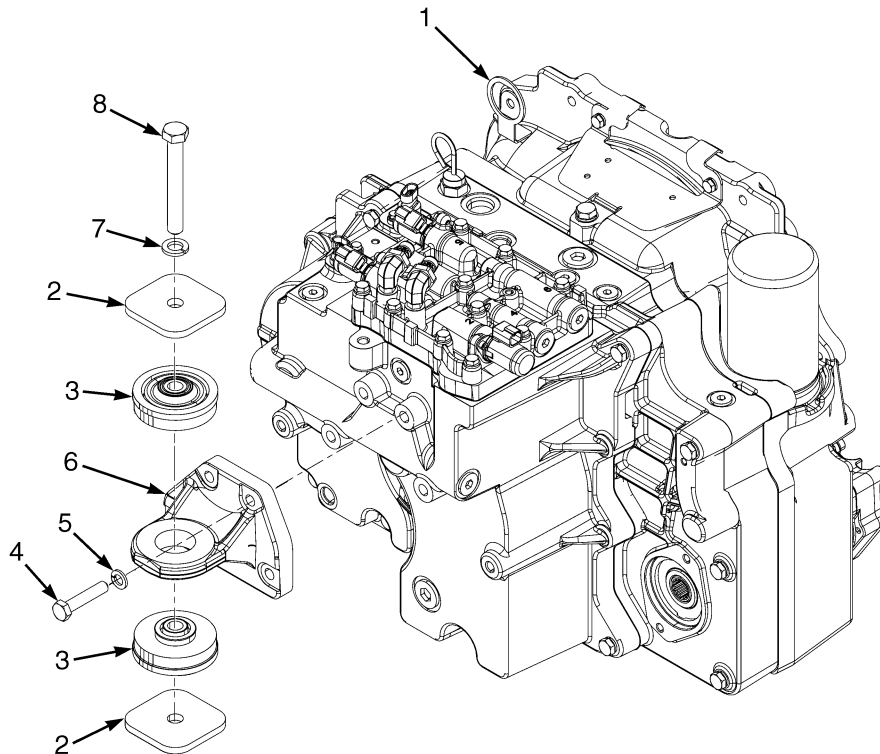


BP240063

ITEM	PART NO.	DESCRIPTION	QTY
1	1624204	Bracket.....	1
2	1566329	Washer	2
3	2070147	Isolator	2
4	292531	Capscrew	4
5	292683	Lockwasher.....	4
6	1501276	Bracket.....	1
7	292685	Lockwasher.....	1
8	293697	Capscrew	1

TRANSMISSION MOUNTING (Figure 5-2)

(PENDING PER ECN 10402574⇒)



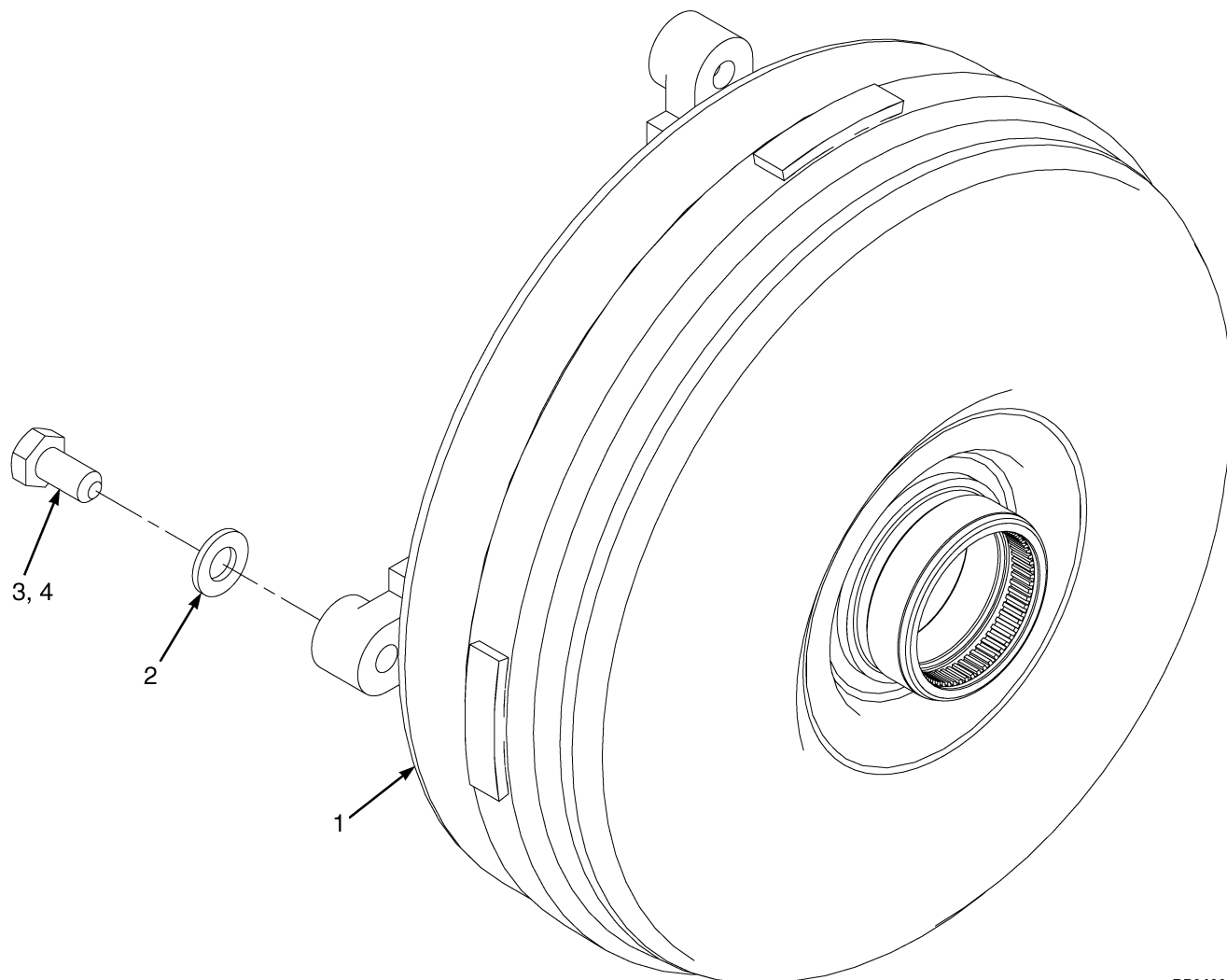
BP240063

ITEM	PART NO.	DESCRIPTION	QTY
1	ac 1646877	Transmission Assembly (Single Speed without Boost)	1
1	ad 1646878	Transmission Assembly (Single Speed with Boost)	1
1	bd 1646876	Transmission Assembly (Dual Speed with Boost)	1
1	bc 1646875	Transmission Assembly (Dual Speed without Boost)	1
2	1566329	Washer	2
3	2070147	Isolator	2
4	292531	Capscrew	4
5	292683	Lockwasher	4
6	1501276	Bracket	1
7	292685	Lockwasher	1
8	293697	Capscrew	1
9	1624204	Bracket	1

FOOTNOTES:

- a** Basic
- b** Electronic Control
- c** With Dry Brakes
- d** With Wet Brakes

TORQUE CONVERTER (Figure 5-3) CUMMINS 4.5L DIESEL

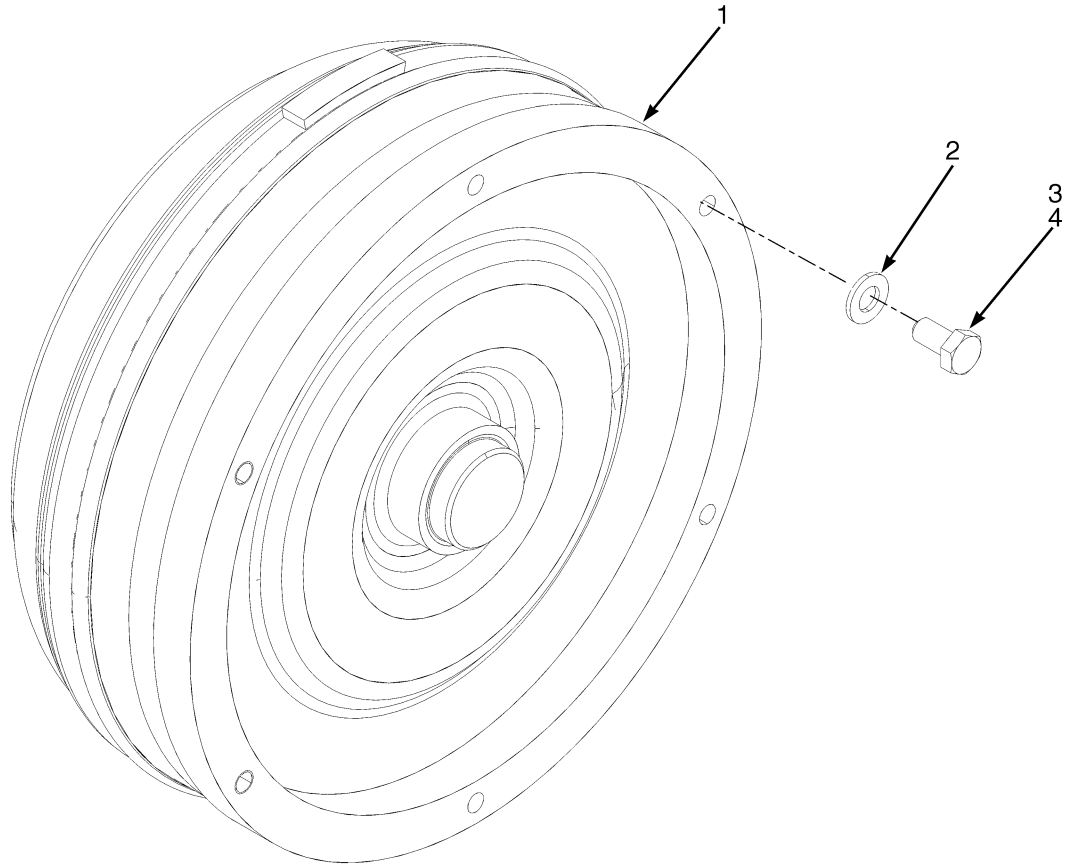


BP240065

ITEM	PART NO.	DESCRIPTION	QTY
1	1554087	Torque Converter	1
2	296420	Washer	4
3	1541921	Capsew	4
4	360387	Sealant	AR

TORQUE CONVERTER (Figure 5-4)

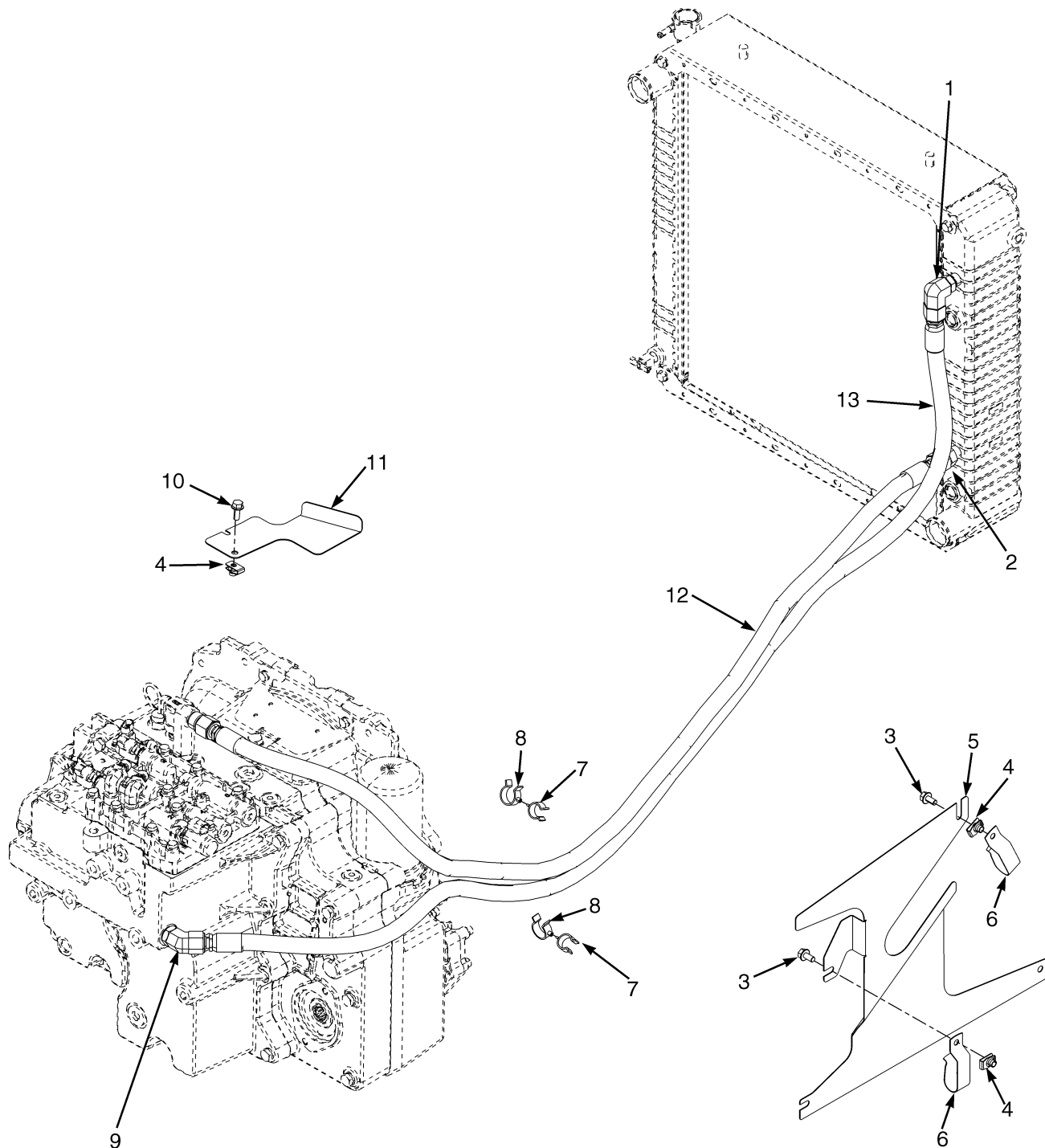
GM 4.3L, GASOLINE AND LPG



BP240064

ITEM	PART NO.	DESCRIPTION	QTY
1	1554085	Torque Converter (Without Extended Function Transmission)	1
1	1554086	Torque Converter (With Extended Function Transmission)	1
2	296420	Washer	6
3	1541921	Capscrew	6
4	360387	Sealant	AR

TRANSMISSION COOLING (Figure 5-5) WITH INTERNAL OIL COOLER CUMMINS 4.5L DIESEL



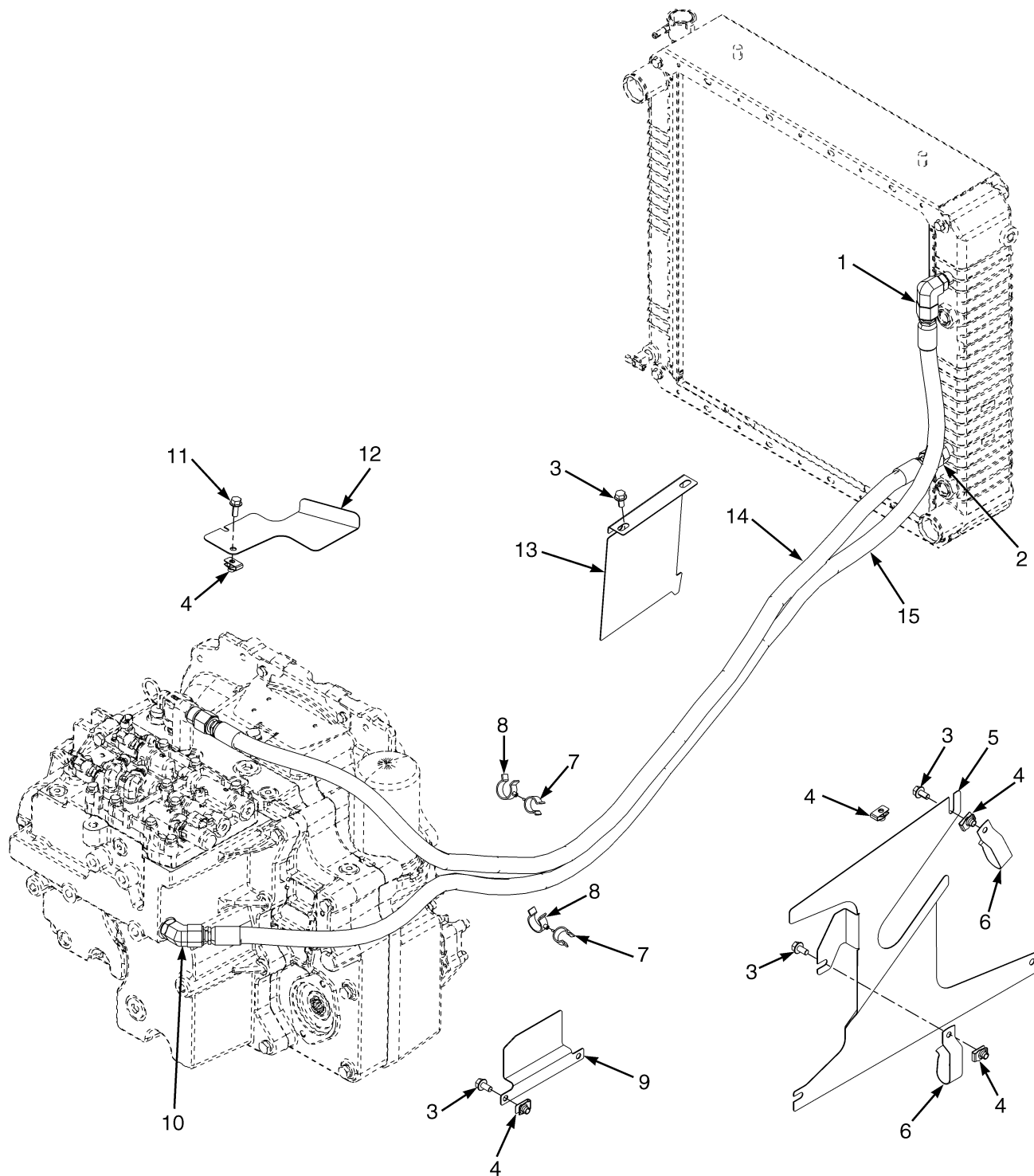
BP240080

TRANSMISSION COOLING WITH INTERNAL OIL COOLER CUMMINS 4.5L DIESEL

ITEM	PART NO.	DESCRIPTION	QTY
1	1487068	Fitting.....	1
2	1565127	Fitting.....	1
3	1527879	Capscrew.....	2
4	1480237	Clip Nut.....	3
5	1629316	Shield.....	1
6	1562648	Clip	2
7	1502066	Clamp	2
8	1542436	Clamp	2
9	1516205	Fitting.....	1
10	1527880	Capscrew.....	1
11	2077444	Shield.....	1
12	a 2090113	Hose	1
12	b 2096036	Hose	1
13	a 2078983	Hose	1
13	b 2096031	Hose	1

FOOTNOTES:**a** ⇒ PENDING PER ECN 10402574**b** PENDING PER ECN 10402574 ⇒

TRANSMISSION COOLING (Figure 5-6) WITH INTERNAL OIL COOLER GM 4.3L GASOLINE AND LPG



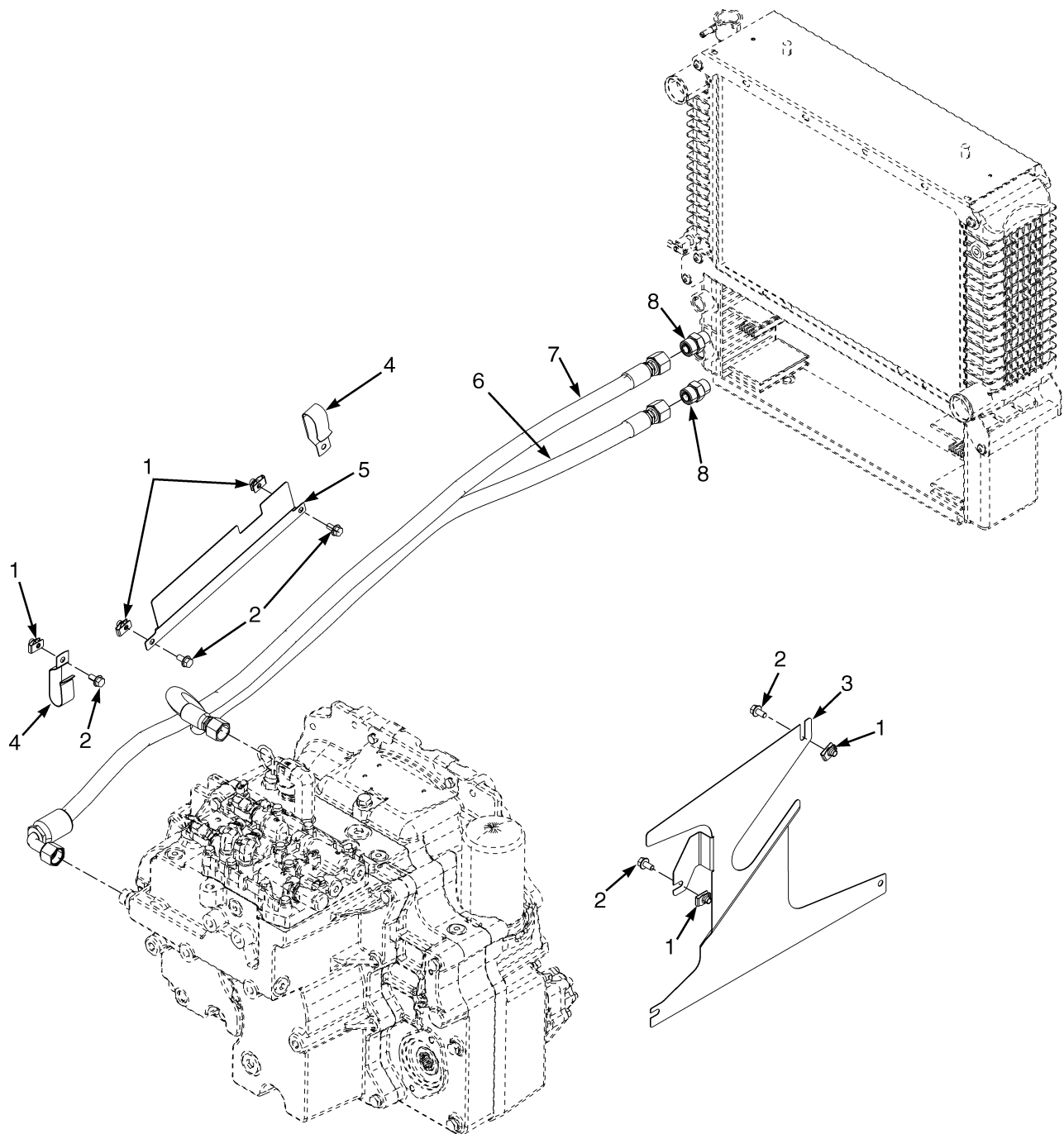
BP240079

TRANSMISSION COOLING WITH INTERNAL OIL COOLER GM 4.3L GASOLINE AND LPG

ITEM	PART NO.	DESCRIPTION	QTY
1	1487068	Fitting.....	1
2	1565127	Fitting.....	1
3	1527879	Capscrew.....	8
4	1480237	Clip Nut.....	9
5	1629316	Shield.....	1
6	1562648	Clip	3
7	1502066	Clamp	2
8	1542436	Clamp	2
9	2079844	Shield.....	1
10	1516205	Fitting.....	1
11	1527880	Capscrew.....	1
12	2077444	Shield.....	1
13	2090425	Shield.....	1
14	a 2090113	Hose	1
14	b 2096036	Hose	1
15	a 2078983	Hose	1
15	b 2096031	Hose	1

FOOTNOTES:**a** ⇒ PENDING PER ECN 10402574**b** PENDING PER ECN 10402574 ⇒

TRANSMISSION COOLING (Figure 5-7) WITH EXTERNAL OIL COOLER GM 4.3L AND CUMMINS 4.5L



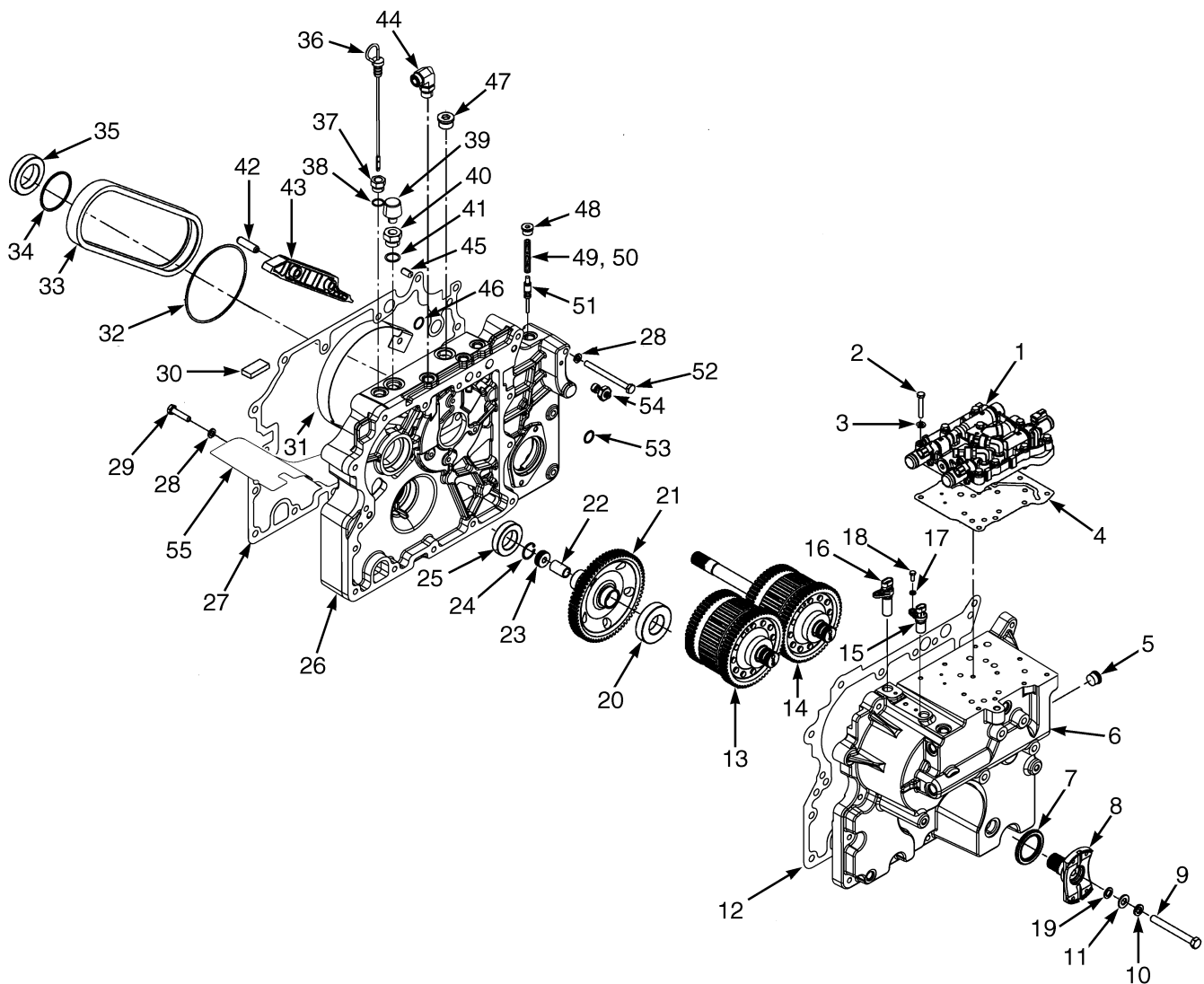
BP240081

**TRANSMISSION COOLING
WITH EXTERNAL OIL COOLER
GM 4.3L AND CUMMINS 4.5L**

ITEM	PART NO.	DESCRIPTION	QTY
1	1480237	Clip Nut.....	2
2	1527879	Capscrew.....	2
3	1629316	Shield.....	1
4	1562648	Clip	2
5	2079845	Shield.....	1
6	a 2078984	Hose	1
6	b 2096032	Hose	1
7	a 2093759	Hose	1
7	b 2096039	Hose	1
8	1486749	Fitting.....	1

FOOTNOTES:**a** ⇒ PENDING PER ECN 10402574**b** PENDING PER ECN 10402574 ⇒

TRANSMISSION (Figure 5-8) SINGLE SPEED SHEET 1 OF 2 (⇒PENDING PER ECN 10402574)



BP240073

TRANSMISSION
SINGLE SPEED
SHEET 1 OF 2
(⇒PENDING PER ECN 10402574)

ITEM	PART NO.	DESCRIPTION	QTY
	b 1557709	Transmission Assembly (Single Speed)	1
	a 1557711	Transmission Assembly (Single Speed)	1
1	b 1613695	Control Valve (☞ Figure 5-26)	1
1	a 1611835	Control Valve (☞ Figure 5-26)	1
2	292509	Capscrew	11
3	320157	Washer	12
4	1570360	Gasket	1
5	233693	Fitting.....	1
5	16485	O-Ring.....	1
6	1624505	Housing (Transmission).....	1
7	1547447	Oil Seal.....	1
8	1529874	Yoke (Fixed).....	1
9	18595	Capscrew	1
10	15158	Lockwasher	1
11	15135	Washer	1
12	1550576	Gasket (Cover to Transmission Housing)	1
13	1524373	Clutch Pack (Reverse) (☞ Figure 5-11)	1
14	1524372	Clutch Pack (Forward) (☞ Figure 5-10)	1
15	1541231	Speed Sensor (Input Speed).....	1
16	1541232	Speed Sensor (Output Speed).....	1
17	292680	Lockwasher	2
18	292500	Capscrew	2
19	86229	Stato Seal Washer	1
20	43209	Ball Bearing	1
21	1565135	Gear (Output)	1
22	1516851	Spacer	1
23	1525686	Nut.....	1
24	213099	Snap Ring.....	1
25	44309	Bearing.....	1
26	1624501	Housing (Front Cover)	1
27	1550573	Gasket (Torque Converter Housing to Cover)	1
28	292682	Lockwasher	24
29	292516	Capscrew	4
30	334560	Magnet	1
31	1624415	Cover (Pump Drive).....	1
32	16682	O-Ring.....	1
33	1494750	Chain (Drive Pump).....	1
34	1544218	Sealing Ring.....	1
35	44310	Ball Bearing	1
36	1624401	Dipstick.....	1
37	1624405	Fitting.....	1
37	216590	Fitting	1
38	16485	O-Ring.....	1
39	2021389	Breather.....	1
40	1624407	Fitting.....	1
40	14603	Fitting	1
41	16486	O-Ring.....	1
42	303100	Pin	4
43	1553270	Snubber.....	2

TRANSMISSION
SINGLE SPEED
SHEET 1 OF 2
(⇒PENDING PER ECN 10402574)

ITEM	PART NO.	DESCRIPTION	QTY
44	1487067	Fitting.....	1
44	252729	O-Ring.....	1
44	16485	O-Ring.....	1
45	303150	Pin	4
46	1553475	O-Ring	1
47	233683	Fitting.....	1
47	16487	O-Ring.....	1
48	235691	Fitting.....	7
48	16484	O-Ring.....	1
49	b 1612918	Compression Spring (Regulator).....	1
50	a 1612917	Compression Spring (Regulator).....	1
51	a 1612916	Spool (Regulator)	1
52	1359458	Capscrew	16
53	1553403	O-Ring	4
54	2070263	Transducer.....	1
	233683	Fitting.....	1
	16487	O-Ring.....	1

FOOTNOTES:

- a** Dry Brakes
b Wet Brakes

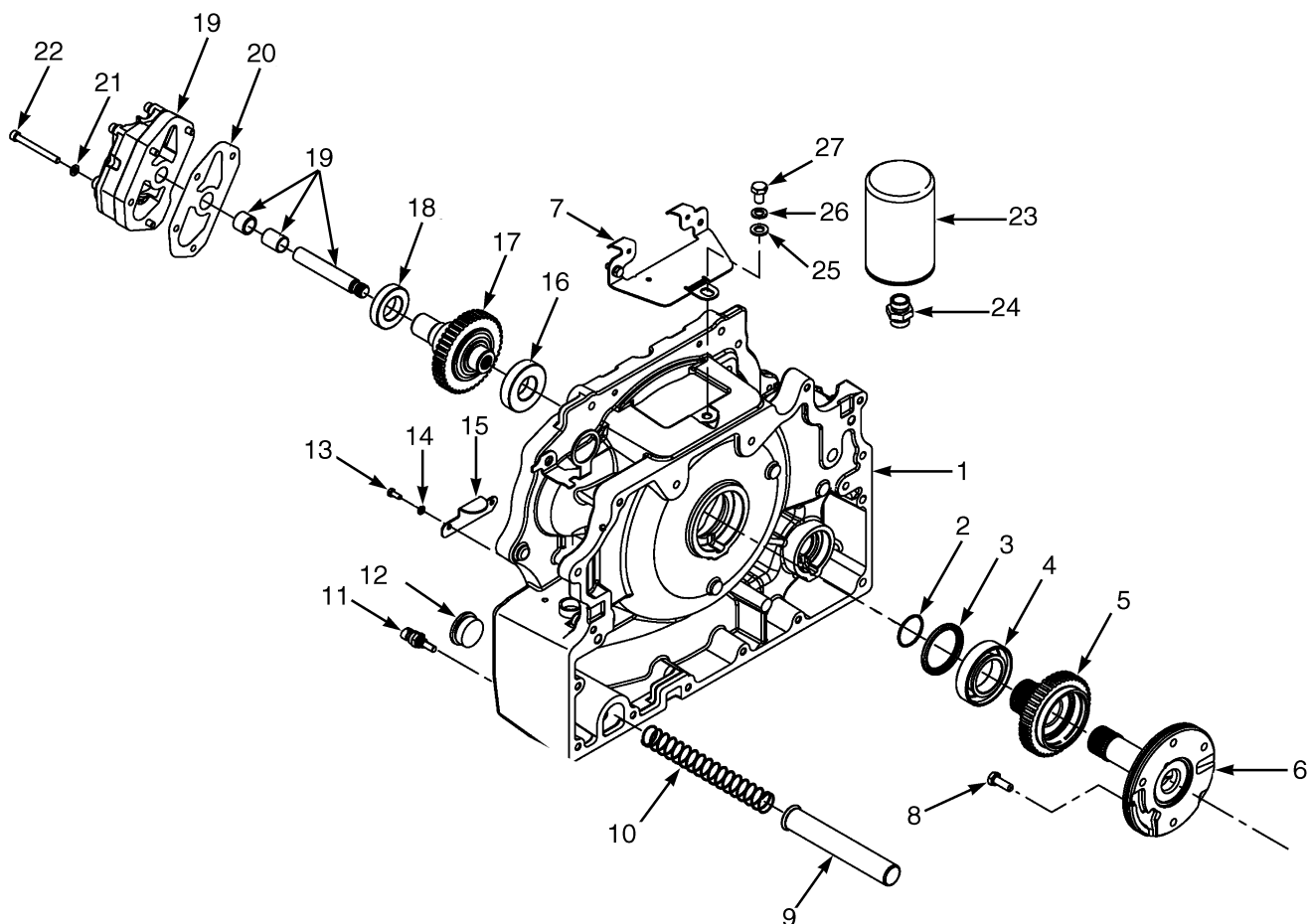
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TRANSMISSION (Figure 5-9)

SINGLE SPEED

SHEET 2 OF 2

(⇒PENDING PER ECN 10402574)



BP240072

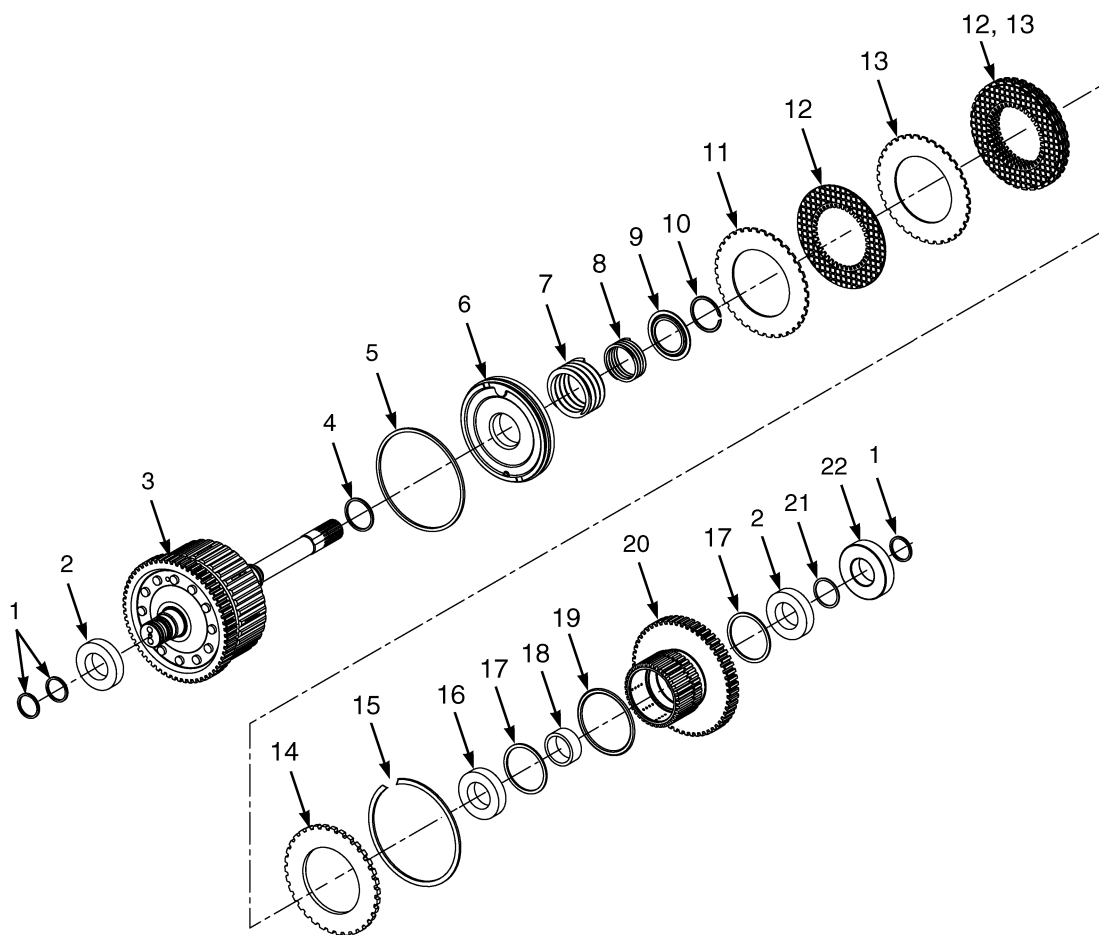
TRANSMISSION
SINGLE SPEED
SHEET 2 OF 2
(⇒PENDING PER ECN 10402574)

ITEM	PART NO.	DESCRIPTION	QTY
	b 1557709	Transmission Assembly (Single Speed)	1
	a 1557711	Transmission Assembly (Single Speed)	1
1	1550566	Housing (Torque Convertor)	1
2	145481	O-Ring	1
3	1544217	Oil Seal (Torque Converter)	1
4	1544216	Bearing	1
5	1541556	Sprocket	1
6	1525677	Stator Assembly	1
6	1516826	Bushing	1
7	1566169	Cover	1
8	136985	Capscrew	4
9	1550571	Screen (Suction)	1
10	1550572	Spring (Suction Screen)	1
11	1515654	Sensor (Coolant Temperature)	1
12	188210	Plug	1
12	16983	O-Ring	1
13	292500	Capscrew	2
14	292680	Lockwasher	2
15	1550567	Cover Plate (Torque Convertor Housing)	1
16	43209	Ball Bearing	1
17	1550586	Sprocket (Driven)	1
18	44307	Bearing	1
19	a 2076519	Charge Pump (27.0 CC/Aux)	1
19	b 1552853	Charge Pump (27.0 CC/REV)	1
19	b 1623836	O-Ring	1
20	1525696	Gasket (Charge Pump)	1
21	292681	Lockwasher	6
22	296022	Capscrew	4
23	2075558	Filter	1
24	1558515	Fitting	1
25	320161	Washer	1
26	292683	Lockwasher	1
27	292526	Capscrew	1

FOOTNOTES:

- a** Dry Brakes
b Wet Brakes

FORWARD CLUTCH (Figure 5-10) SINGLE SPEED TRANSMISSION (⇒PENDING PER ECN 10402574)

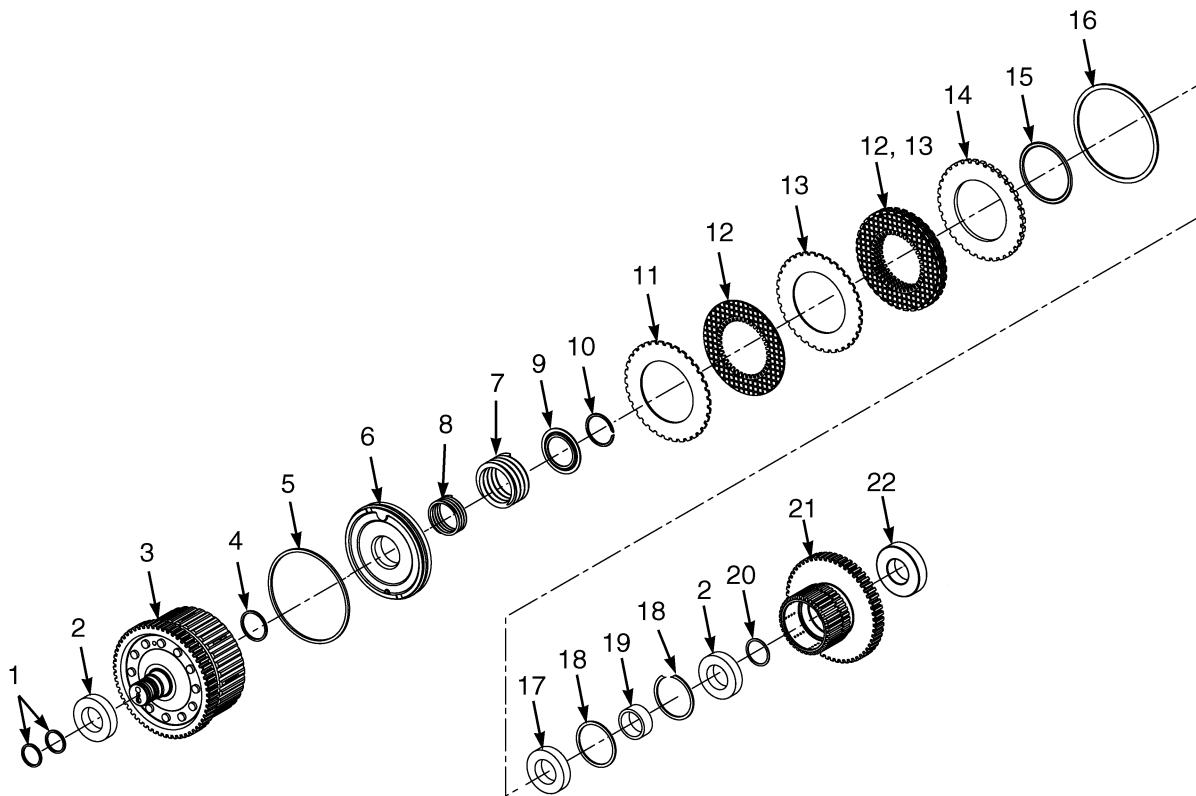


HP240528

FORWARD CLUTCH SINGLE SPEED TRANSMISSION (⇒PENDING PER ECN 10402574)

ITEM	PART NO.	DESCRIPTION	QTY
	1524372	Clutch Pack.....	1
1	.....	Ring Seal.....	3
2	1581116	Bearing.....	2
3	1581104	Gear and Shaft Assembly	1
4	.....	Ring Seal.....	1
5	.....	Ring Seal.....	1
6	1552525	Piston	1
7	1581108	Spring.....	1
8	1581098	Spring.....	1
9	1581099	Spring Guide	1
10	1581100	Snap Ring.....	1
11	.....	Conical Plate	1
12	.....	Friction Plate	8
13	.....	Separator Plate	7
14	1543094	Pressure Plate (5.8 mm)	1
14	1537449	Pressure Plate (6.0 mm)	1
14	1543096	Pressure Plate (5.6 mm)	1
14	1543097	Pressure Plate (5.4 mm)	1
14	1543098	Pressure Plate (5.2 mm)	1
15	1537450	Snap Ring.....	1
16	124603	Bearing.....	1
17	1581107	Snap Ring.....	2
18	1581117	Spacer.....	1
19	.....	Seal.....	1
20	1595427	Clutch Gear	1
21	1581106	Snap Ring.....	1
22	43207	Ball Bearing.....	1
	1595426	Clutch Plates and Seals Kit (Includes Items 1, 4-5, 11-13, 19)	1
	1543102	Clutch Pack Plates Kit (Includes Items 11-13).....	1
	1595425	Clutch Pack Seals Kit (Includes Items 1, 4-5, 19).....	1

REVERSE CLUTCH (Figure 5-11) SINGLE SPEED TRANSMISSION (⇒PENDING PER ECN 10402574)



BP240051

REVERSE CLUTCH SINGLE SPEED TRANSMISSION (⇒PENDING PER ECN 10402574)

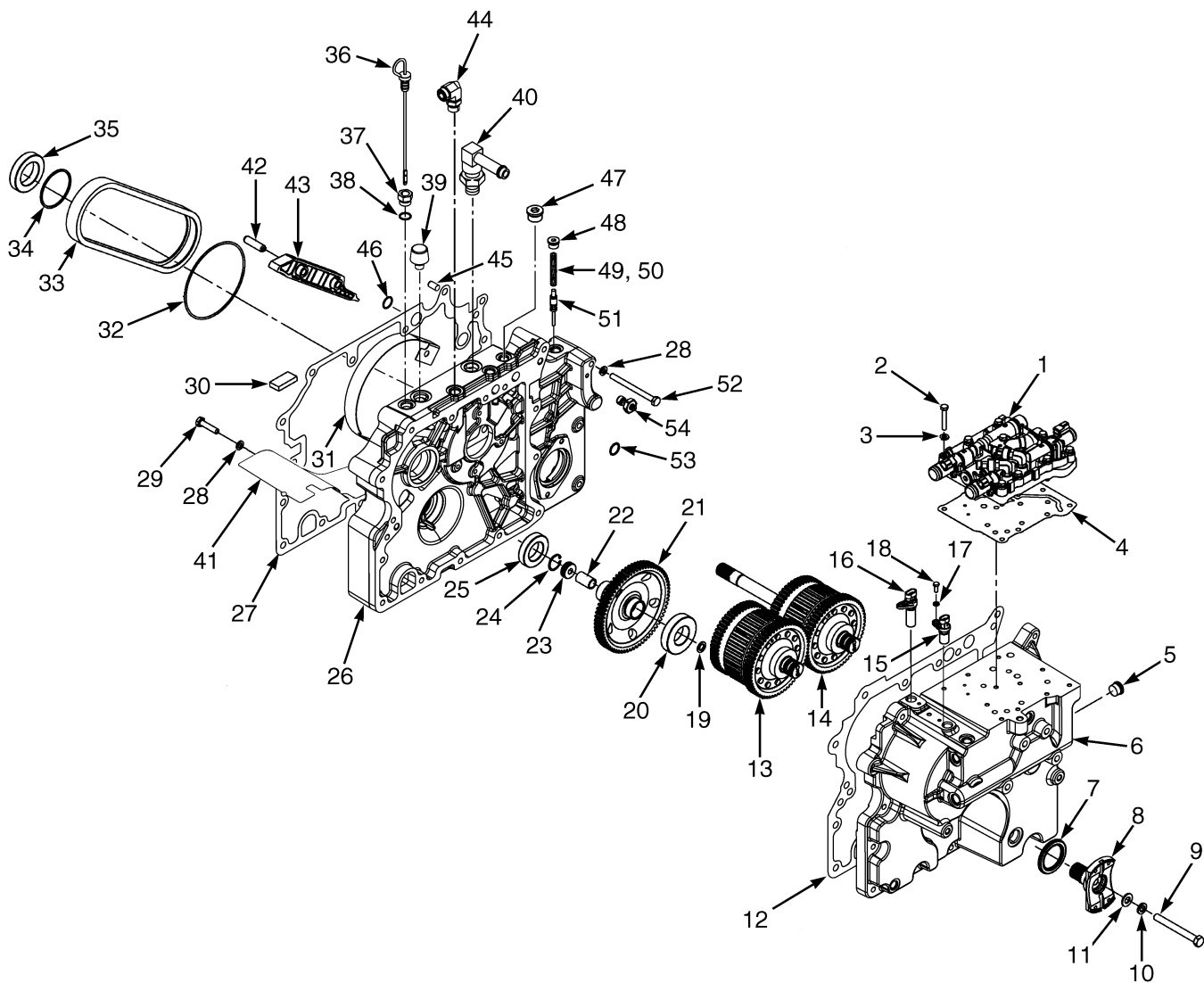
ITEM	PART NO.	DESCRIPTION	QTY
	1524373	Clutch Pack.....	1
1	.....	Seal	2
2	1581116	Bearing	2
3	1581114	Gear and Shaft Assembly	1
4	.....	Seal	1
5	.....	Seal	1
6	1552525	Piston	1
7	1581108	Spring	1
8	1581098	Spring	1
9	1581099	Spring Guide	1
10	1581100	Snap Ring.....	1
11	.....	Conical Plate	1
12	.....	Friction Plate	8
13	.....	Separator Plate	7
14	1543094	Pressure Plate (5.8 mm)	1
14	1537449	Pressure Plate (6.0 mm)	1
14	1543096	Pressure Plate (5.6 mm)	1
14	1543097	Pressure Plate (5.4 mm)	1
14	1543098	Pressure Plate (5.2 mm)	1
15	.....	Seal	1
16	1537450	Snap Ring.....	1
17	124603	Bearing	1
18	1581107	Snap Ring.....	1
19	1581117	Spacer	1
20	1581106	Snap Ring.....	1
21	1581115	Clutch Gear	1
21	1595427	Clutch Gear	1
22	43207	Ball Bearing	1
	1595426	Clutch Plates and Seals Kit (Includes Items 1, 4-5, 11-13, 15)	1
	1543102	Clutch Pack Plates Kit (Includes Items 11-13).....	1
	1595425	Clutch Pack Seals Kit (Includes Items 1, 4-5, 15).....	1

TRANSMISSION (Figure 5-12)

SINGLE SPEED

SHEET 1 OF 2

(PENDING PER ECN 10402574⇒)



BP240088

TRANSMISSION

SINGLE SPEED

SHEET 1 OF 2

(PENDING PER ECN 10402574⇒)

ITEM	PART NO.	DESCRIPTION	QTY
	b 1646877	Transmission Assembly (Single Speed without Boost)	1
	a 1646878	Transmission Assembly (Single Speed with Boost)	1
1	b 1613695	Control Valve (☞ Figure 5-26)	1
1	a 1611835	Control Valve (☞ Figure 5-26)	1
2	292509	Capscrew	11
3	320157	Washer	12
4	1570360	Gasket	1
5	233693	Fitting.....	1
5	16485	O-Ring.....	1
6	1639069	Housing (Transmission).....	1
7	1547447	Oil Seal.....	1
8	1529874	Yoke (Fixed).....	1
9	18595	Capscrew	1
10	15158	Lockwasher	1
11	15135	Washer	1
12	1550576	Gasket (Cover to Transmission Housing)	1
13	1646888	Clutch Pack Assembly (Reverse) (☞ Figure 5-15)	1
14	1646887	Clutch Pack Assembly (Forward) (☞ Figure 5-14)	1
15	1541231	Speed Sensor (Input Speed).....	1
16	1541232	Speed Sensor (Output Speed).....	1
17	292680	Lockwasher	2
18	292500	Capscrew	2
19	86229	Stato Seal Washer	1
20	43209	Ball Bearing	1
21	1565135	Gear (Output)	1
22	1516851	Spacer	1
23	1525686	Nut.....	1
24	213099	Snap Ring.....	1
25	44309	Bearing.....	1
26	1624501	Housing (Front Cover)	1
27	1550573	Gasket (Torque Converter Housing to Cover)	1
28	292682	Lockwasher	24
29	292516	Capscrew	4
30	334560	Magnet	1
31	1624415	Cover (Pump Drive).....	1
32	16682	O-Ring.....	1
33	1494750	Chain (Drive Pump).....	1
34	1544218	Sealing Ring.....	1
35	44310	Ball Bearing	1
36	1624401	Dipstick.....	1
37	1624405	Fitting.....	1
37	216590	Fitting	1
38	16485	O-Ring.....	1
39	1632741	Breather Assembly	1
39	16486	O-Ring.....	1
40	1640573	Fitting.....	1
40	16484	O-Ring.....	1
41	1624414	Baffle.....	1
42	303100	Pin	4

TRANSMISSION
SINGLE SPEED
SHEET 1 OF 2
(PENDING PER ECN 10402574⇒)

ITEM	PART NO.	DESCRIPTION	QTY
43	1553270	Snubber.....	2
44	1486555	Fitting.....	1
44	252729	O-Ring.....	1
44	16485	O-Ring.....	1
45	303150	Pin.....	4
46	1553475	O-Ring.....	1
47	233683	Fitting.....	1
47	16487	O-Ring.....	1
48	235691	Fitting.....	6
48	16484	O-Ring.....	1
49	b 1612918	Compression Spring (Regulator).....	1
50	a 1612917	Compression Spring (Regulator).....	1
51	a 1612916	Spool (Regulator).....	1
52	1359458	Capscrew.....	16
53	1553403	O-Ring.....	4
54	2070263	Transducer.....	1

FOOTNOTES:**a** Dry Brake**b** Wet Brake

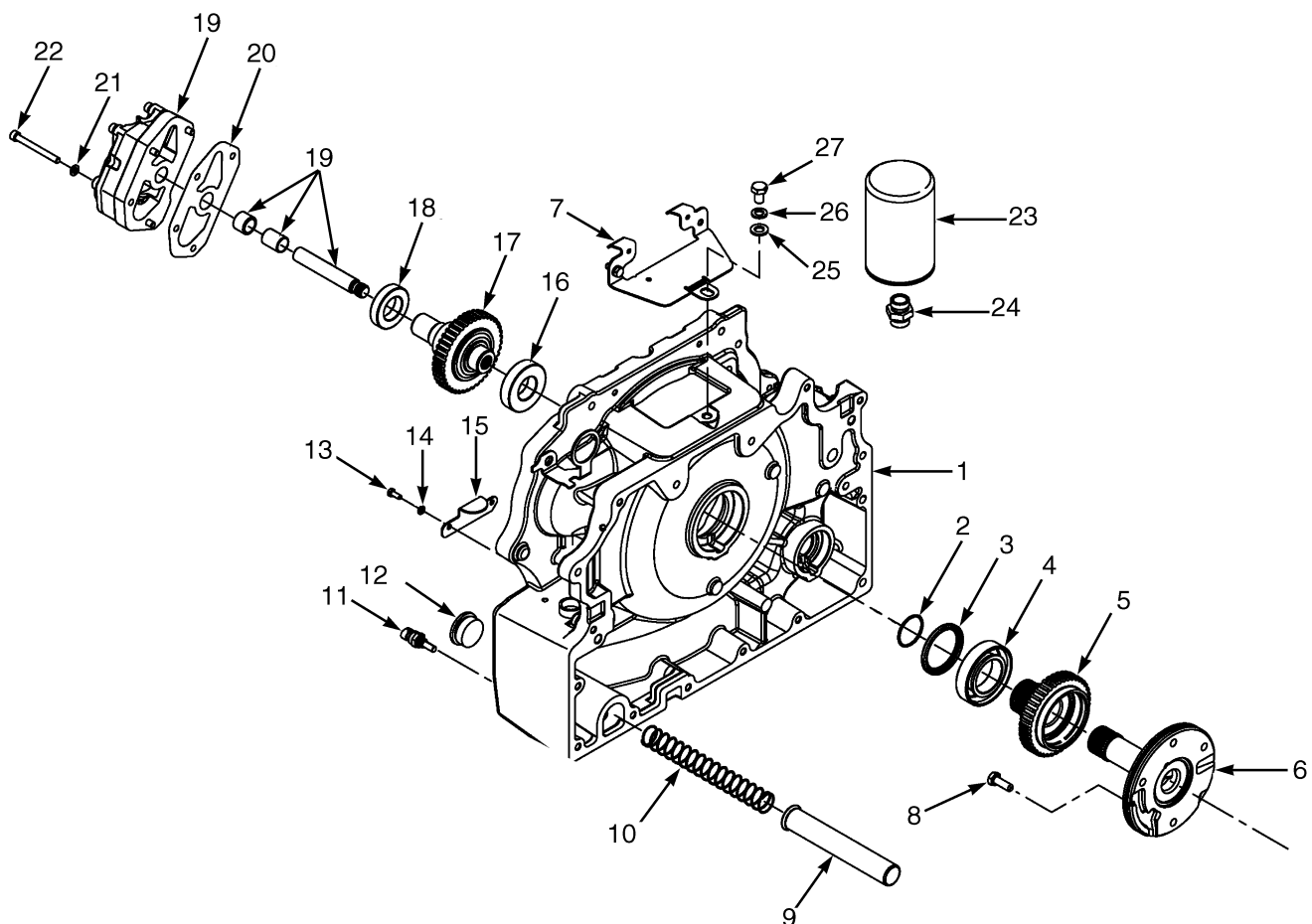
[illegible]

TRANSMISSION (Figure 5-13)

SINGLE SPEED

SHEET 2 OF 2

(PENDING PER ECN 10402574⇒)



BP240072

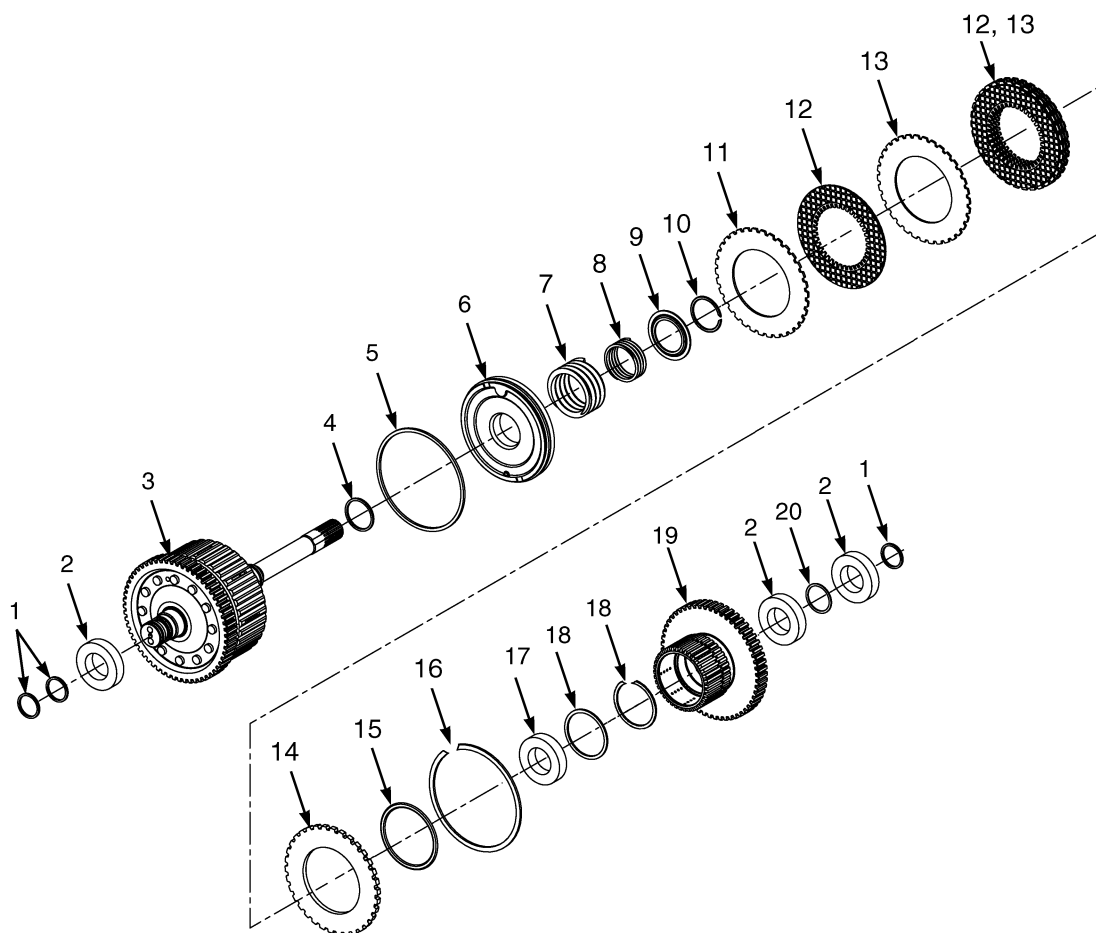
**TRANSMISSION
SINGLE SPEED
SHEET 2 OF 2
(PENDING PER ECN 10402574⇒)**

ITEM	PART NO.	DESCRIPTION	QTY
	b 1646877	Transmission Assembly (Single Speed without Boost)	1
	a 1646878	Transmission Assembly (Single Speed with Boost)	1
1	1624504	Housing (Torque Convertor)	1
2	145481	O-Ring	1
3	1544217	Oil Seal (Torque Converter)	1
4	1544216	Bearing	1
5	1541556	Sprocket (Driving)	1
6	1525677	Stator Assembly	1
6	1516826	Bushing	1
7	1566169	Cover	1
8	136985	Capscrew	4
9	1550571	Screen (Suction)	1
10	1550572	Spring (Suction Screen)	1
11	1515654	Sensor (Coolant Temperature)	1
12	188210	Plug	1
12	16983	O-Ring	1
13	292500	Capscrew	2
14	292680	Lockwasher	2
15	1550567	Cover Plate (Torque Convertor Housing)	1
16	43209	Ball Bearing	1
17	1529890	Sprocket (Driven)	1
18	44307	Bearing	1
19	a 2076519	Charge Pump (27.0 CC/Aux)	1
19	b 1552853	Charge Pump (27.0 CC/REV)	1
19	b 1623836	O-Ring	1
20	1525696	Gasket (Charge Pump)	1
21	292681	Lockwasher	6
22	296022	Capscrew	4
23	2075558	Filter	1
24	1558515	Fitting	1
25	320161	Washer	1
26	292683	Lockwasher	1
27	292526	Capscrew	1

FOOTNOTES:

- a** Dry Brake
b Wet Brake

FORWARD CLUTCH (Figure 5-14) SINGLE SPEED TRANSMISSION (PENDING PER ECN 10402574⇒)

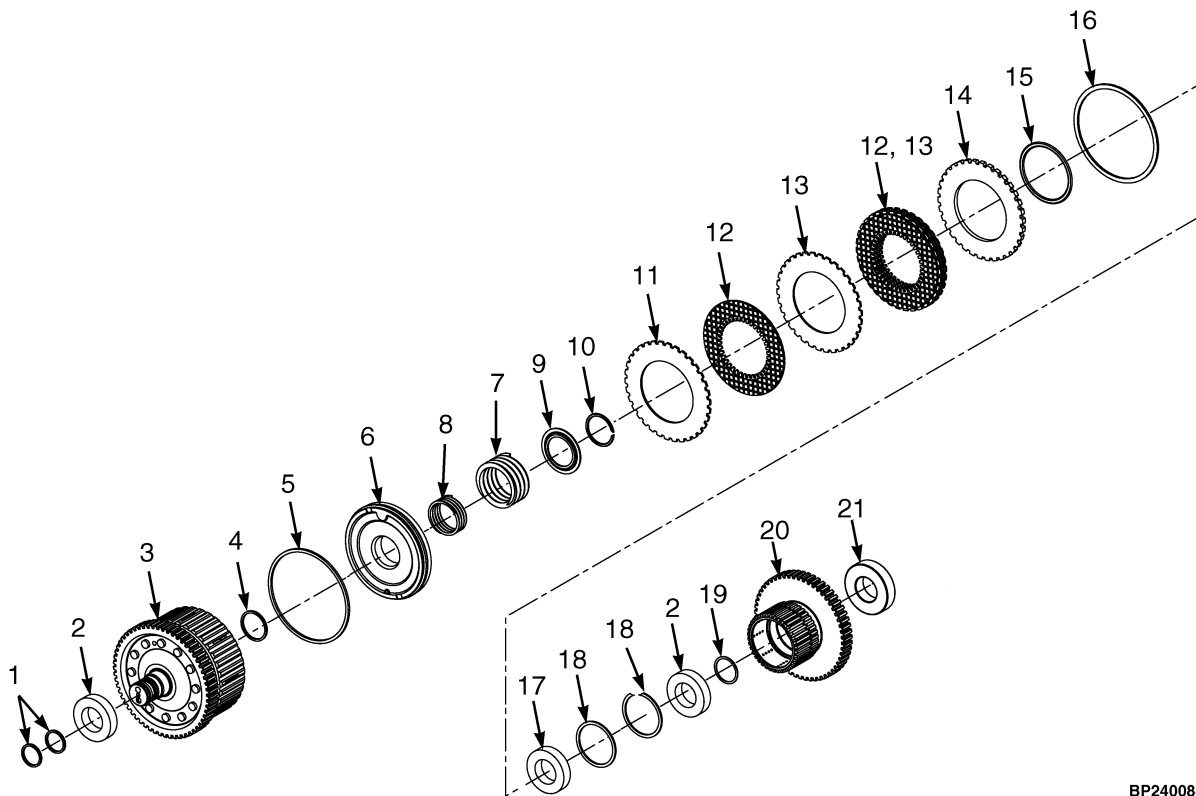


BP240089

FORWARD CLUTCH SINGLE SPEED TRANSMISSION (PENDING PER ECN 10402574⇒)

ITEM	PART NO.	DESCRIPTION	QTY
	1646887	Clutch Pack Assembly	1
1	.....	Ring Seal	3
2	43207	Ball Bearing	3
3	1651760	Gear and Shaft Assembly	1
4	.....	Ring Seal	1
5	.....	Ring Seal	1
6	2085129	Piston	1
7	1581108	Spring	1
8	1581098	Spring	1
9	1581099	Spring Guide	1
10	1581100	Snap Ring	1
11	.....	Conical Plate	1
12	.....	Friction Plate	8
13	.....	Separator Plate	7
14	1537449	Pressure Plate (6.0 mm)	1
15	.....	O-Ring	1
16	1537450	Snap Ring	1
17	124603	Bearing	1
18	1581107	Snap Ring	2
19	1651761	Clutch Gear	1
20	1581106	Snap Ring	1
	1652272	Repair Kit	1
	1571673	Kit (Clutch Pack Plates) (Includes Items 11-13)	1
	1595425	Clutch Pack Seals Kit (Includes Items 1, 4-5, 15)	1

REVERSE CLUTCH (Figure 5-15) SINGLE SPEED TRANSMISSION (PENDING PER ECN 10402574⇒)



BP240084

REVERSE CLUTCH SINGLE SPEED TRANSMISSION (PENDING PER ECN 10402574⇒)

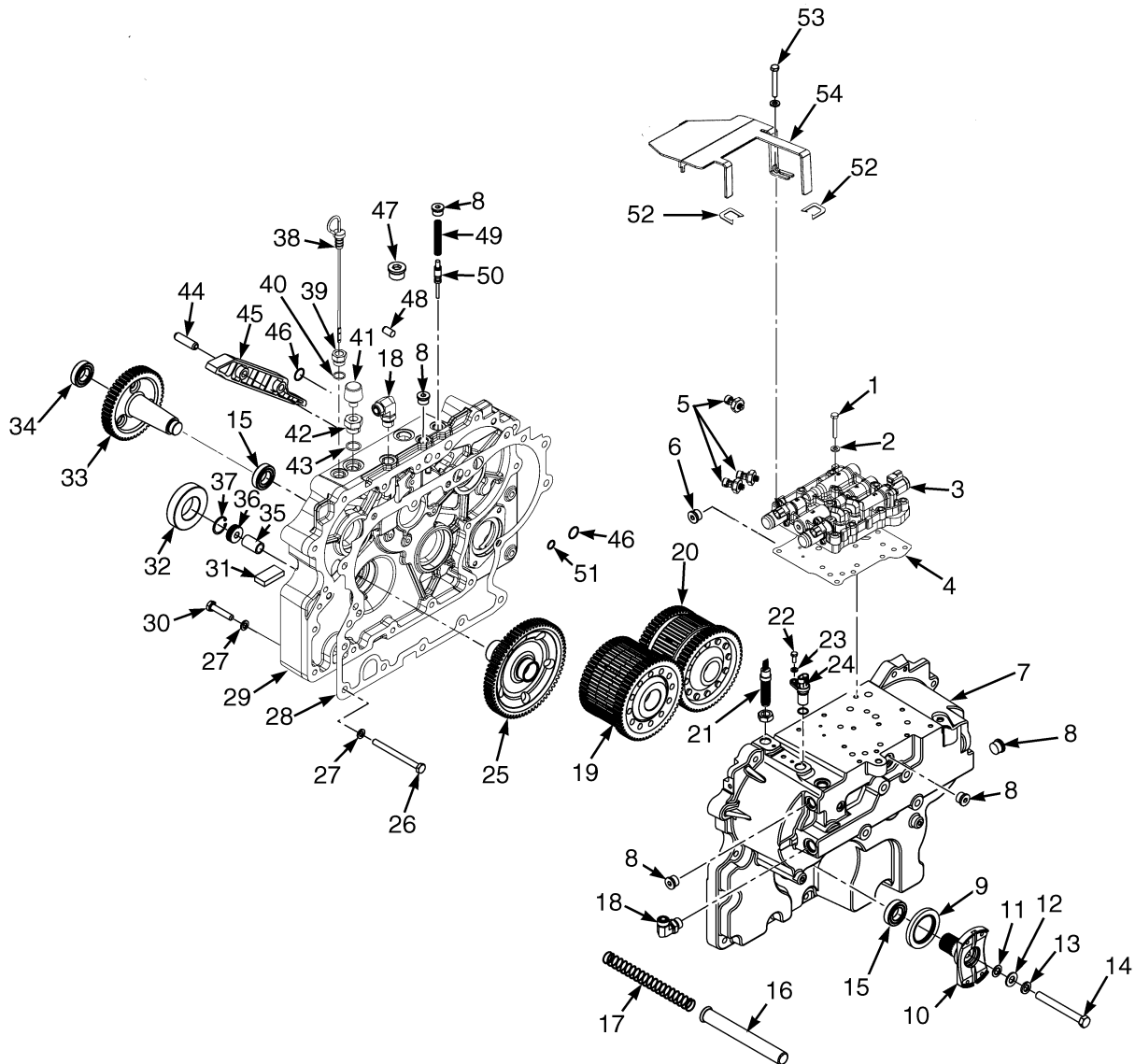
ITEM	PART NO.	DESCRIPTION	QTY
	1646888	Clutch Pack Assembly	1
1	.....	Seal	2
2	43207	Ball Bearing	3
3	1651762	Gear and Shaft Assembly	1
4	.....	Seal	1
5	.....	Seal	1
6	2085129	Piston	1
7	1581108	Spring	1
8	1581098	Spring	1
9	1581099	Spring Guide	1
10	1581100	Snap Ring	1
11	.....	Conical Plate	1
12	.....	Friction Plate	5
13	.....	Separator Plate	4
14	1537449	Pressure Plate (6.0 mm)	1
15	.....	O-Ring	1
16	1537450	Snap Ring	1
17	124603	Bearing	1
18	1581107	Snap Ring	1
19	1537459	Snap Ring	1
20	1651761	Clutch Gear	1
	1652272	Repair Kit	1
	1571673	Kit (Clutch Pack Plates) (Includes Items 11-13)	1
	1595425	Clutch Pack Seals Kit (Includes Items 1, 4-5, 15)	1

TRANSMISSION (Figure 5-16)

DUAL SPEED

SHEET 1 OF 2

(⇒PENDING PER ECN 10402574)



BP240075

TRANSMISSION

DUAL SPEED

SHEET 1 OF 2

(⇒PENDING PER ECN 10402574)

ITEM	PART NO.	DESCRIPTION	QTY
	a 1529897	Transmission Assembly (Dual Speed)	1
	b 1552849	Transmission Assembly (Dual Speed)	1
1	292509	Capscrew	11
2	320157	Washer	12
3	b 1613695	Control Valve (Low Pressure) (☞ Figure 5-26)	1
3	a 1611835	Control Valve (High Pressure) (☞ Figure 5-26)	1
4	1570360	Gasket (Control Valve)	1
5	2070263	Transducer.....	3
6	233693	Fitting.....	1
6	16485	O-Ring.....	1
7	1624507	Housing (Transmission).....	1
8	235691	Fitting.....	7
8	16484	O-Ring.....	7
9	1547447	Oil Seal.....	1
10	1529874	Yoke (Fixed) (27 Tooth)	1
11	86229	Stato Seal Washer	1
12	15135	Washer	1
13	15158	Lockwasher	1
14	18595	Capscrew	1
15	43209	Ball Bearing.....	2
16	1550571	Screen (Suction).....	1
17	1550572	Spring (Suction Screen)	1
18	1487067	Fitting.....	1
18	16485	O-Ring.....	1
18	252729	O-Ring.....	1
19	1524356	Clutch Pack Assembly (Reverse) (☞ Figure 5-20)	1
20	1524371	Clutch Pack Assembly (Forward-High) (☞ Figure 5-19)	1
21	1541232	Speed Sensor (Output Speed).....	1
22	292500	Capscrew	2
23	292680	Lockwasher	2
24	1541231	Speed Sensor (Input Speed).....	1
25	1565135	Gear (Output)	1
26	1359458	Capscrew	16
27	292682	Lockwasher	23
28	1550582	Gasket (Cover To Transmission Housing)	1
29	1550581	Housing (Front Cover)	1
30	292516	Capscrew	3
31	334560	Magnet	1
32	44309	Bearing (Charge Pump)	1
33	1585750	Gear (Idler).....	1
34	44306	Ball Bearing.....	1
35	1516851	Spacer	1
36	1525686	Nut.....	1
37	213099	Snap Ring.....	1
38	1624401	Dipstick.....	1
39	1624405	Fitting.....	1
40	16485	O-Ring.....	1
40	216590	Fitting	1
41	1632741	Breather Assembly	1

**TRANSMISSION
DUAL SPEED
SHEET 1 OF 2
(⇒PENDING PER ECN 10402574)**

ITEM	PART NO.	DESCRIPTION	QTY
41	16486	O-Ring.....	1
42	1624407	Fitting.....	1
43	16486	O-Ring.....	1
44	303100	Pin	4
45	1553270	Snubber.....	2
46	1553475	O-Ring	2
47	233683	Fitting.....	1
47	16487	O-Ring.....	1
48	303150	Pin	4
49	1612918	Compression Spring (System Regulator).....	1
50	1612916	Spool (System Regulator)	1
51	1553403	O-Ring	1
52	1380849	Trim.....	2
53	1527879	Capscrew	1
54	1569768	Shield	1
	1566457	Baffle (Not Illustrated).....	1

FOOTNOTES:

- a** Dry Brakes
b Wet Brakes

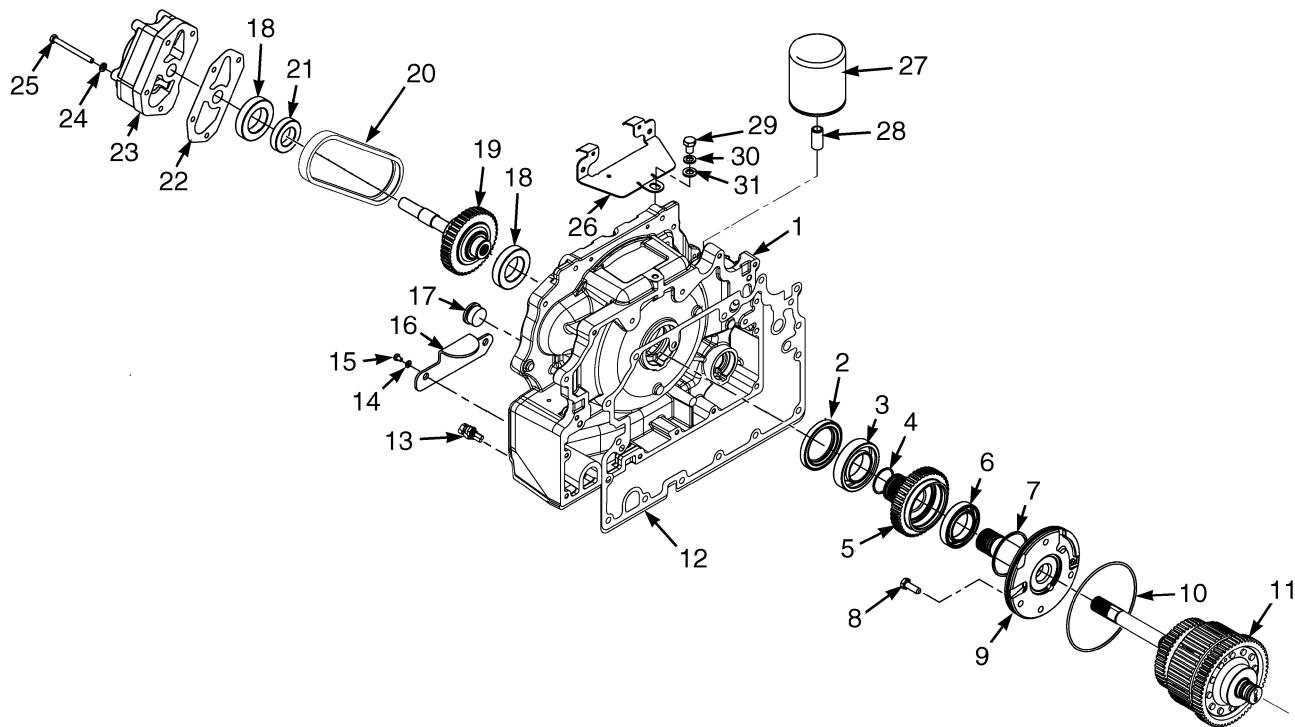
This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

TRANSMISSION (Figure 5-17)

DUAL SPEED

SHEET 2 OF 2

(⇒PENDING PER ECN 10402574)



TRANSMISSION

DUAL SPEED

SHEET 2 OF 2

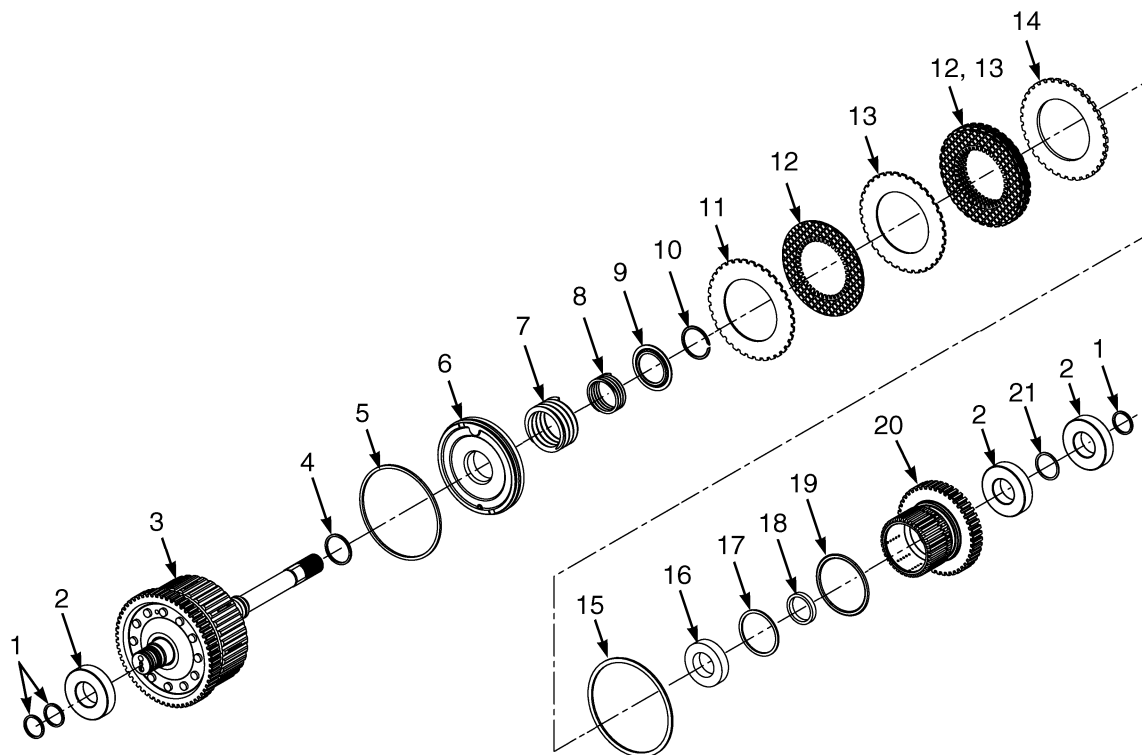
(⇒PENDING PER ECN 10402574)

ITEM	PART NO.	DESCRIPTION	QTY
	a 1529897	Transmission Assembly (Dual Speed)	1
	b 1552849	Transmission Assembly (Dual Speed)	1
1	1624504	Housing (Torque Converter)	1
2	1544217	Oil Seal (Torque Converter)	1
3	44310	Ball Bearing	1
4	145481	O-Ring	1
5	1541556	Sprocket	1
6	1544216	Bearing	1
7	1544218	Sealing Ring	1
8	136985	Capscrew	4
9	1525677	Stator Assembly	1
9	1516826	Bushing	1
10	16682	O-Ring	1
11	1524355	Clutch Pack Assembly (Input/Forward-Low) (See Figure 5-18)	1
12	1550573	Gasket (Torque Converter Housing to Cover)	1
13	1515654	Sensor (Coolant Temperature)	1
14	292680	Lockwasher	2
15	292500	Capscrew	2
16	1550567	Cover Plate (Torque Converter Housing)	1
17	188210	Plug	1
17	16983	O-Ring	1
18	43209	Ball Bearing	1
19	1529890	Sprocket (Driven)	1
20	1494750	Chain (Drive Pump)	1
21	44307	Bearing	1
22	1525696	Gasket (Charge Pump)	1
23	c 2073470	Charge Pump (32.4 CC/REV Without Boost)	1
23	b 2076527	Charge Pump (32.4 CC/REV With Boost)	1
23	1623836	O-Ring	1
24	292681	Lockwasher	6
25	296022	Capscrew	4
26	1566169	Cover	1
27	2075558	Filter	1
28	1558515	Fitting	1
29	292526	Capscrew	1
30	292683	Lockwasher	1
31	320161	Washer	1

FOOTNOTES:

- a** Dry Brakes
b Wet Brakes
c Wet or Dry Brakes

FORWARD CLUTCH, LOW (Figure 5-18) DUAL SPEED TRANSMISSION (⇒PENDING PER ECN 10402574)

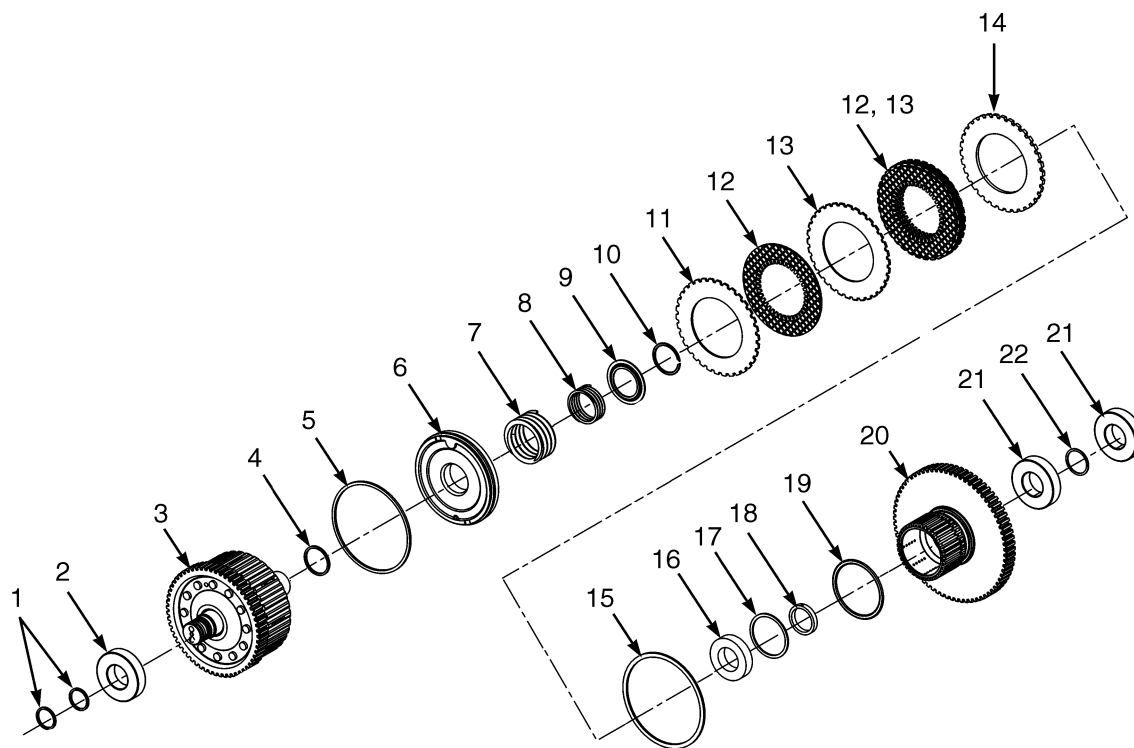


HP240573

FORWARD CLUTCH, LOW DUAL SPEED TRANSMISSION (⇒PENDING PER ECN 10402574)

ITEM	PART NO.	DESCRIPTION	QTY
	1524355	Clutch Pack Assembly (Input/Forward-Low)	1
1	.....	Seal	3
2	43207	Ball Bearing	3
3	1639865	Gear and Shaft Assembly	1
4	.....	Seal	1
5	.....	Seal	1
6	2085129	Piston	1
7	1581108	Spring	1
8	1581098	Spring	1
9	1581099	Spring Guide	1
10	1581100	Snap Ring	1
11	.....	Conical Plate	1
12	.....	Friction Plate	9
13	.....	Separator Plate	8
14	1537449	Pressure Plate (6.0 mm)	1
15	1537450	Snap Ring	1
16	124603	Bearing	1
17	1581107	Snap Ring	1
18	1581105	Spacer	1
19	.....	Seal	1
20	1595428	Clutch Gear	1
21	1581106	Snap Ring	1
	1595426	Clutch Plates and Seals Kit (Includes Items 1, 4-5, 11-13, 19)	1
	1543102	Clutch Pack Plates Kit (Includes Items 11-13)	1
	1595425	Clutch Pack Seals Kit (Includes Items 1, 4-5, 19)	1

FORWARD CLUTCH, HIGH (Figure 5-19) DUAL SPEED TRANSMISSION (⇒PENDING PER ECN 10402574)

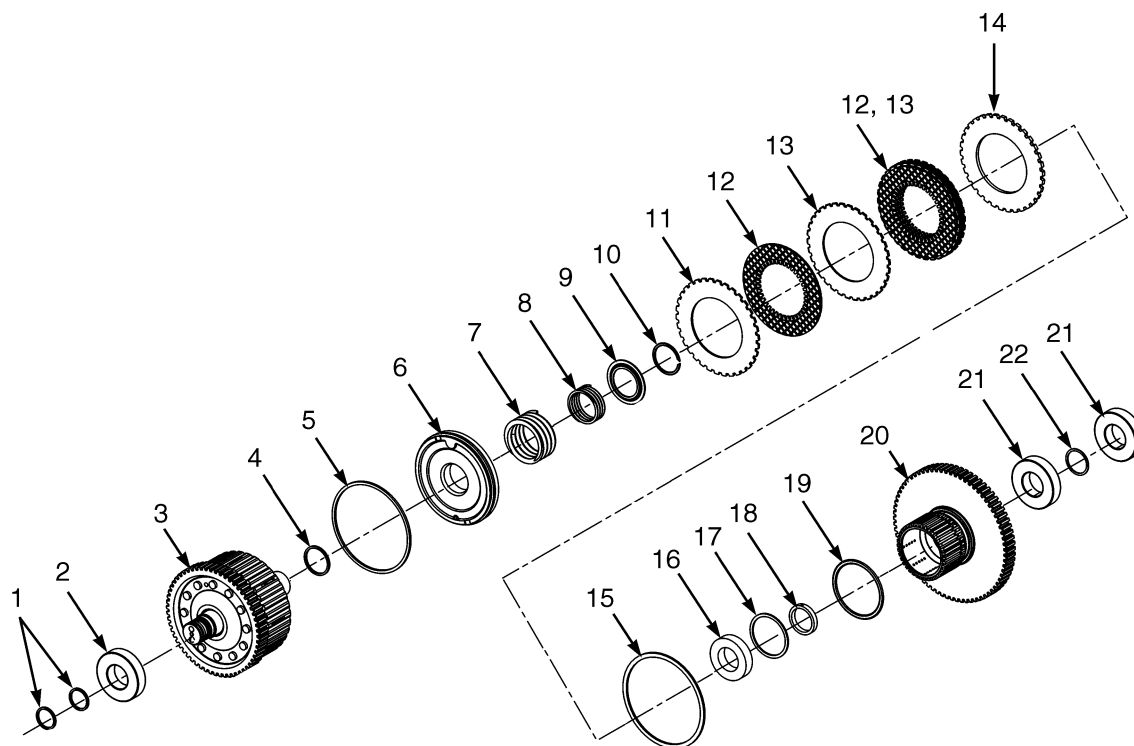


BP240093

FORWARD CLUTCH, HIGH DUAL SPEED TRANSMISSION (⇒PENDING PER ECN 10402574)

ITEM	PART NO.	DESCRIPTION	QTY
	1524371	Clutch Pack Assembly (Forward-High)	1
1	.....	Seal	2
2	1537455	Bearing	1
3	1639862	Gear and Shaft Assembly	1
4	.....	Seal	1
5	.....	Seal	1
6	2085129	Piston	1
7	1581108	Spring	1
8	1581098	Spring	1
9	1581099	Spring Guide	1
10	1581100	Snap Ring	1
11	.....	Conical Plate	1
12	.....	Friction Plate	9
13	.....	Separator Plate	8
14	1537449	Pressure Plate (6.0 mm)	1
15	1537450	Snap Ring	1
16	124603	Bearing	1
17	1581107	Snap Ring	1
18	1581105	Spacer	1
19	.....	Seal	1
20	1639864	Clutch Gear	1
21	43207	Ball Bearing	2
22	1581106	Snap Ring	1
	1595426	Clutch Plates and Seals Kit (Includes Items 1, 4-5, 11-13, 19)	1
	1543102	Clutch Pack Plates Kit (Includes Items 11-13)	1
	1595425	Clutch Pack Seals Kit (Includes Items 1, 4-5, 19)	1

REVERSE CLUTCH (Figure 5-20) DUAL SPEED TRANSMISSION (⇒PENDING PER ECN 10402574)



BP240093

REVERSE CLUTCH DUAL SPEED TRANSMISSION (⇒PENDING PER ECN 10402574)

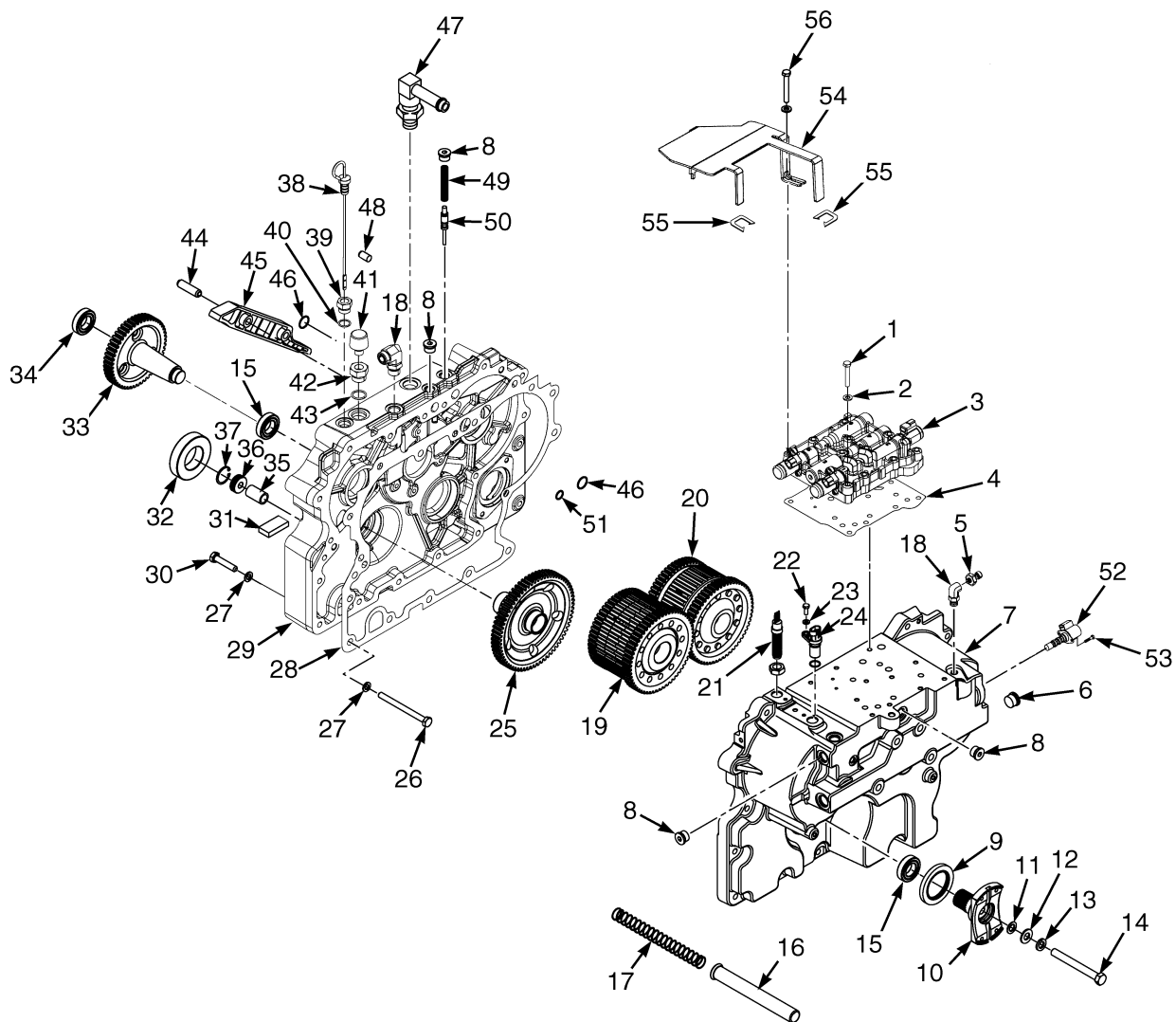
ITEM	PART NO.	DESCRIPTION	QTY
	1524356	Clutch Pack Assembly (Reverse).....	1
1	.....	Seal	3
2	43207	Ball Bearing	3
3	1639862	Gear and Shaft Assembly	1
4	.....	Seal	1
5	.....	Seal	1
6	2085129	Piston	1
7	1581108	Spring	1
8	1581098	Spring	1
9	1581099	Spring Guide	1
10	1581100	Snap Ring.....	1
11	.....	Conical Plate	1
12	.....	Friction Plate	9
13	.....	Separator Plate	8
14	1537449	Pressure Plate (6.0 mm)	1
15	.....	Seal	1
16	1537450	Snap Ring.....	1
17	124603	Bearing	1
18	1581107	Snap Ring.....	1
19	1581105	Spacer	1
20	1581106	Snap Ring.....	1
21	1639863	Clutch Gear	1
	1595426	Clutch Plates and Seals Kit (Includes Items 1, 4-5, 11-13, 15)	1
	1543102	Clutch Pack Plates Kit (Includes Items 11-13).....	1
	1595425	Clutch Pack Seals Kit (Includes Items 1, 4-5).....	1

TRANSMISSION (Figure 5-21)

DUAL SPEED

SHEET 1 OF 2

(PENDING PER ECN 10402574⇒)



BP240092

TRANSMISSION

DUAL SPEED

SHEET 1 OF 2

(PENDING PER ECN 10402574⇒)

ITEM	PART NO.	DESCRIPTION	QTY
	a 1646875	Transmission Assembly (Dual Speed without Boost)	1
	b 1646876	Transmission Assembly (Dual Speed with Boost)	1
1	292509	Capscrew	11
2	320157	Washer	12
3	b 1613695	Control Valve (Low Pressure) (☞ Figure 5-26)	1
3	a 1611835	Control Valve (High Pressure) (☞ Figure 5-26)	1
4	1570360	Gasket (Control Valve)	1
5	2070263	Transducer.....	1
6	233693	Fitting.....	1
6	16485	O-Ring.....	1
7	1639068	Housing (Transmission).....	1
8	235691	Fitting.....	6
8	16484	O-Ring.....	6
9	1547447	Oil Seal.....	1
10	1529874	Yoke (Fixed) (27 Tooth)	1
11	86229	Stato Seal Washer	1
12	15135	Washer	1
13	15158	Lockwasher	1
14	18595	Capscrew	1
15	43209	Ball Bearing.....	2
16	1550571	Screen (Suction).....	1
17	1550572	Spring (Suction Screen)	1
18	1545546	Fitting.....	1
18	16481	O-Ring.....	1
19	1646886	Clutch Pack Assembly (Reverse) (☞ Figure 5-25)	1
20	1646885	Clutch Pack Assembly (Forward-High) (☞ Figure 5-24)	1
21	1541232	Speed Sensor (Transmission Output Speed)	1
22	292500	Capscrew	2
23	292680	Lockwasher	2
24	1541231	Speed Sensor (Transmission Input Speed).....	1
25	1565135	Gear (Output)	1
26	1359458	Capscrew	16
27	292682	Lockwasher	23
28	1550582	Gasket (Cover To Transmission Housing)	1
29	1550581	Housing (Front Cover)	1
30	292516	Capscrew	3
31	334560	Magnet	1
32	44309	Bearing (Charge Pump)	1
33	1585750	Gear (Idler).....	1
34	44306	Ball Bearing.....	1
35	1516851	Spacer	1
36	1525686	Nut.....	1
37	213099	Snap Ring.....	1
38	1624401	Dipstick.....	1
39	1624405	Fitting.....	1
40	16485	O-Ring.....	1
41	1632741	Breather Assembly	1
41	16486	O-Ring.....	1
42	1486555	Fitting.....	1

**TRANSMISSION
DUAL SPEED
SHEET 1 OF 2
(PENDING PER ECN 10402574⇒)**

ITEM	PART NO.	DESCRIPTION	QTY
42	16485	O-Ring.....	1
42	252729	O-Ring.....	1
44	303100	Pin	4
45	1553270	Snubber.....	2
46	1553475	O-Ring	2
47	233683	Fitting.....	1
47	16487	O-Ring.....	1
48	303150	Pin	4
49	1612918	Compression Spring (System Regulator).....	1
50	1612916	Spool (System Regulator)	1
51	1553403	O-Ring	1
52	1530722	Proportional Valve	1
53	293742	Capscrew	2
54	1569768	Shield	1
55	1380849	Trim.....	2
56	1527879	Capscrew	1
	1624414	Baffle (Not Illustrated).....	1
	1624415	Cover (Pump Drive) (Not Illustrated)	1

FOOTNOTES:

- a** Dry Brake
b Wet Brake

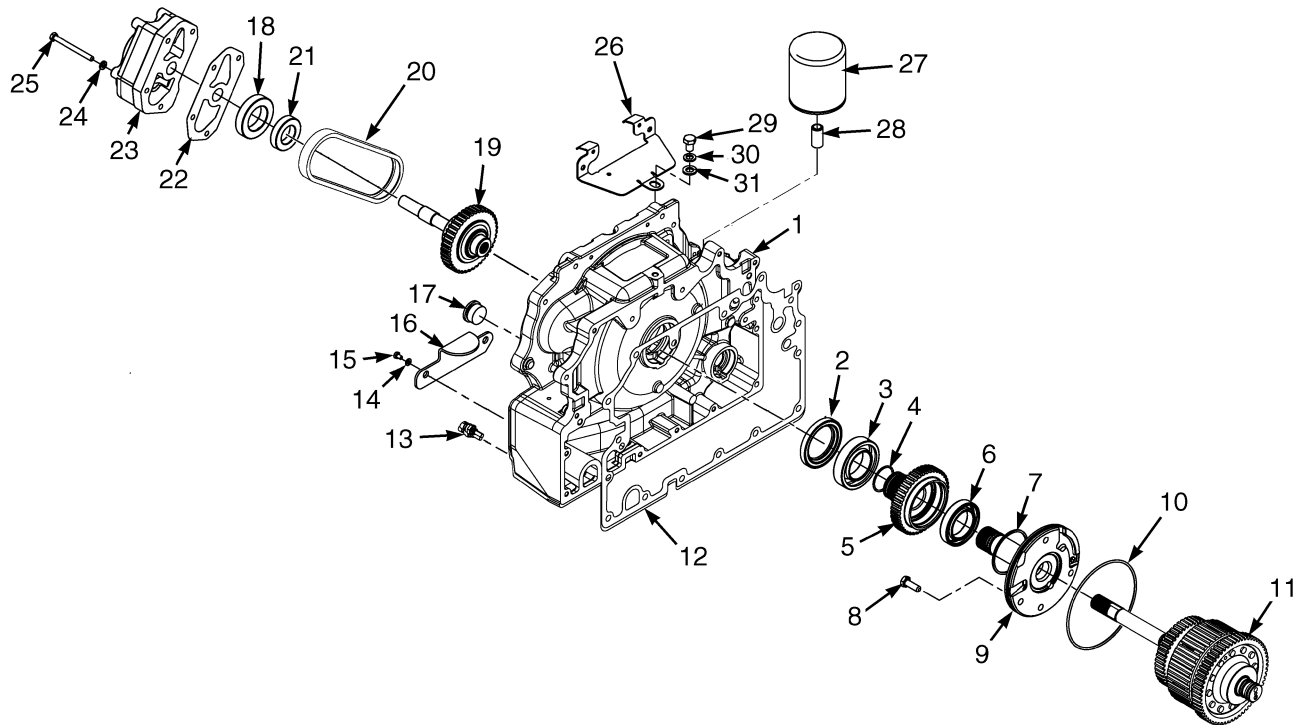
[illegible]

TRANSMISSION (Figure 5-22)

DUAL SPEED

SHEET 2 OF 2

(PENDING PER ECN 10402574⇒)



BP240091

TRANSMISSION

DUAL SPEED

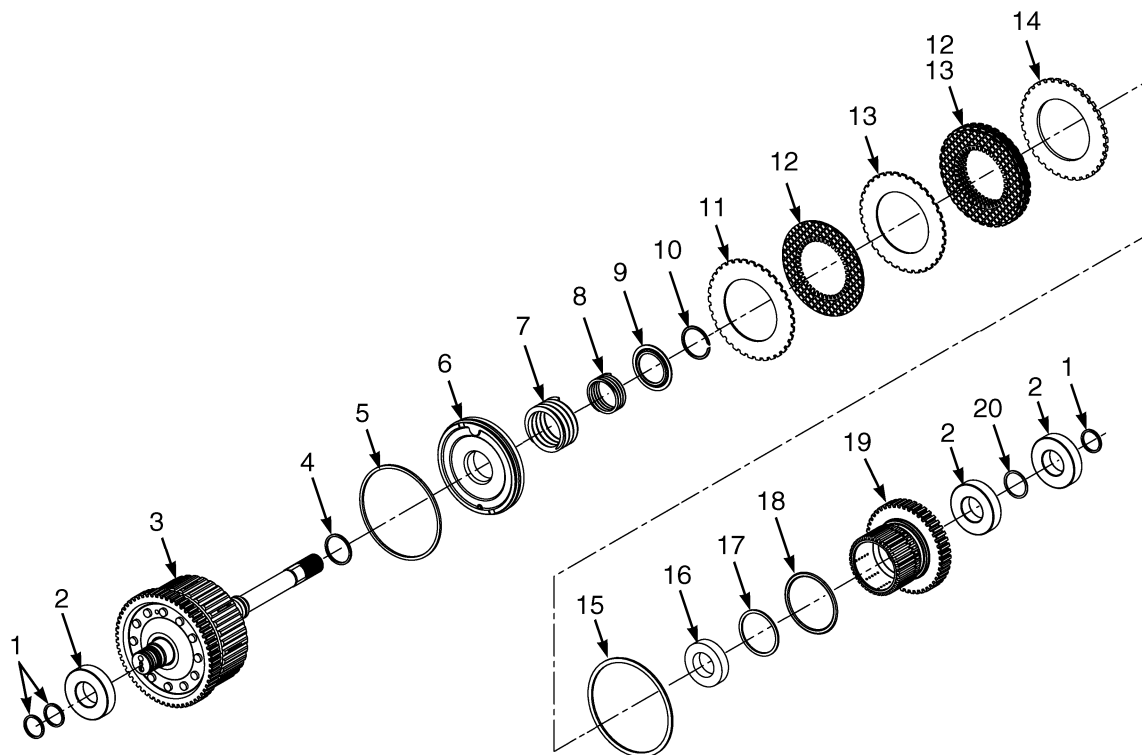
SHEET 2 OF 2

(PENDING PER ECN 10402574⇒)

ITEM	PART NO.	DESCRIPTION	QTY
	a 1646875	Transmission Assembly (Dual Speed without Boost)	1
	b 1646876	Transmission Assembly (Dual Speed with Boost)	1
1	1624504	Housing (Torque Converter)	1
2	1544217	Oil Seal (Torque Converter).....	1
3	44310	Ball Bearing	1
4	145481	O-Ring	1
5	1541556	Sprocket (Driving).....	1
6	1544216	Bearing	1
7	1544218	Sealing Ring	1
8	136985	Capscrew	4
9	1525677	Stator Assembly	1
9	1516826	Bushing	1
10	16682	O-Ring	1
11	1646884	Clutch Pack Assembly (Input/Forward-Low) (See Figure 5-23)	1
12	1550573	Gasket (Torque Converter Housing to Cover)	1
13	1515654	Sensor (Coolant Temperature)	1
14	292680	Lockwasher	2
15	292500	Capscrew	2
16	1550567	Cover Plate (Torque Converter Housing)	1
17	188210	Plug	1
17	16983	O-Ring.....	1
18	43209	Ball Bearing	1
19	1529890	Sprocket (Driven).....	1
20	1494750	Chain (Drive Pump).....	1
21	44307	Bearing	1
22	1525696	Gasket (Charge Pump)	1
23	a 2073470	Charge Pump (32.4 CC/REV Without Boost).....	1
23	b 2076527	Charge Pump (32.4 CC/REV With Boost).....	1
23	1623836	O-Ring.....	1
24	292681	Lockwasher	6
25	296022	Capscrew	4
26	1566169	Cover	1
27	2075558	Filter	1
28	1558515	Fitting.....	1
29	292526	Capscrew	1
30	292683	Lockwasher	1
31	320161	Washer	1

FOOTNOTES:**a** Dry Brake**b** Wet Brake

FORWARD CLUTCH, LOW (Figure 5-23) DUAL SPEED TRANSMISSION (PENDING PER ECN 10402574⇒)

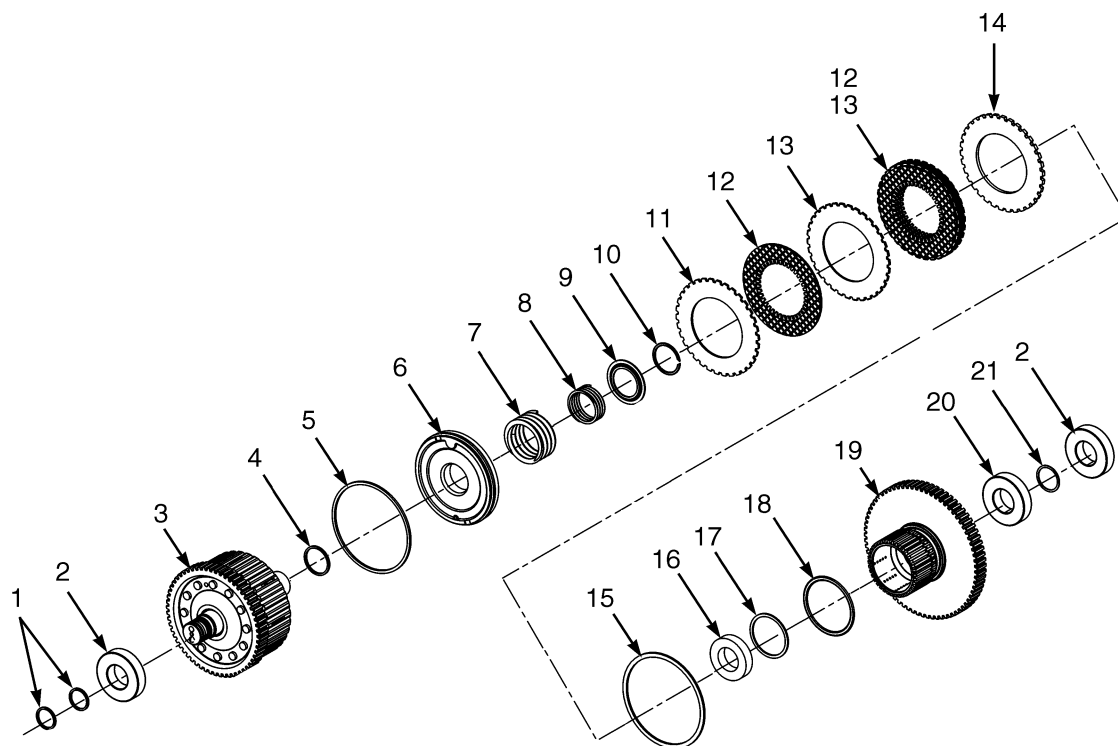


BP240107

FORWARD CLUTCH, LOW DUAL SPEED TRANSMISSION (PENDING PER ECN 10402574⇒)

ITEM	PART NO.	DESCRIPTION	QTY
	1646884	Clutch Pack Assembly (Input/Forward-Low)	1
1	.....	Seal	3
2	43207	Ball Bearing	3
3	1639865	Gear and Shaft Assembly	1
4	.....	Seal	1
5	.....	Seal	1
6	2085129	Piston	1
7	1581108	Spring	1
8	1581098	Spring	1
9	1581099	Spring Guide	1
10	1581100	Snap Ring	1
11	.....	Conical Plate	1
12	.....	Friction Plate	9
13	.....	Separator Plate	8
14	1537449	Pressure Plate (6.0 mm)	1
15	1537450	Snap Ring	1
16	124603	Bearing	1
17	1581107	Snap Ring	1
18	.....	Seal	1
19	1595428	Clutch Gear	1
20	1537459	Snap Ring	1
	1652269	Clutch Pack Plates and Seals Kit (Includes Items 1, 4-5, 11-13, 18).....	1
	1651852	Clutch Pack Plates Kit (Includes Items 11-13).....	1
	1595425	Clutch Pack Seals Kit (Includes Items 1, 4-5, 18).....	1

FORWARD CLUTCH, HIGH (Figure 5-24) DUAL SPEED TRANSMISSION (PENDING PER ECN 10402574⇒)

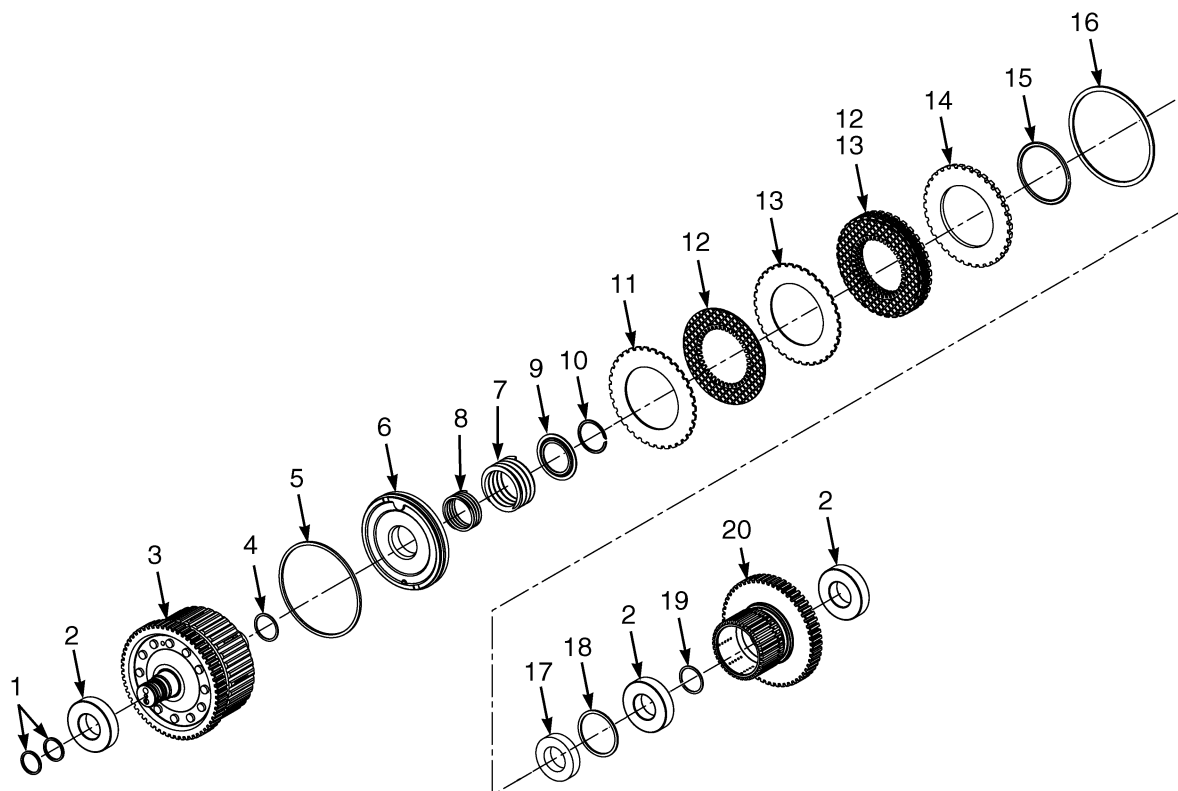


BP240105

FORWARD CLUTCH, HIGH DUAL SPEED TRANSMISSION (PENDING PER ECN 10402574⇒)

ITEM	PART NO.	DESCRIPTION	QTY
	1646885	Clutch Pack Assembly (Forward-High)	1
1	.....	Seal	2
2	1651753	Bearing	2
3	1639862	Gear and Shaft Assembly	1
4	.....	Seal	1
5	.....	Seal	1
6	2085129	Piston	1
7	1581108	Spring	1
8	1581098	Spring	1
9	1581099	Spring Guide	1
10	1581100	Snap Ring	1
11	.....	Conical Plate	1
12	.....	Friction Plate	9
13	.....	Separator Plate	8
14	1537449	Pressure Plate (6.0 mm)	1
15	1537450	Snap Ring	1
16	124603	Bearing	1
17	1581107	Snap Ring	1
18	.....	Seal	1
18	1581105	Spacer	1
19	1639864	Clutch Gear	1
20	43207	Ball Bearing	1
21	1581106	Snap Ring	1
	1652269	Clutch Pack Plates and Seals Kit (Includes Items 1, 4-5, 11-13, 18).....	1
	1651852	Clutch Pack Plates Kit (Includes Items 11-13).....	1
	1595425	Clutch Pack Seals Kit (Includes Items 1, 4-5, 18).....	1

REVERSE CLUTCH (Figure 5-25) DUAL SPEED TRANSMISSION (PENDING PER ECN 10402574⇒)

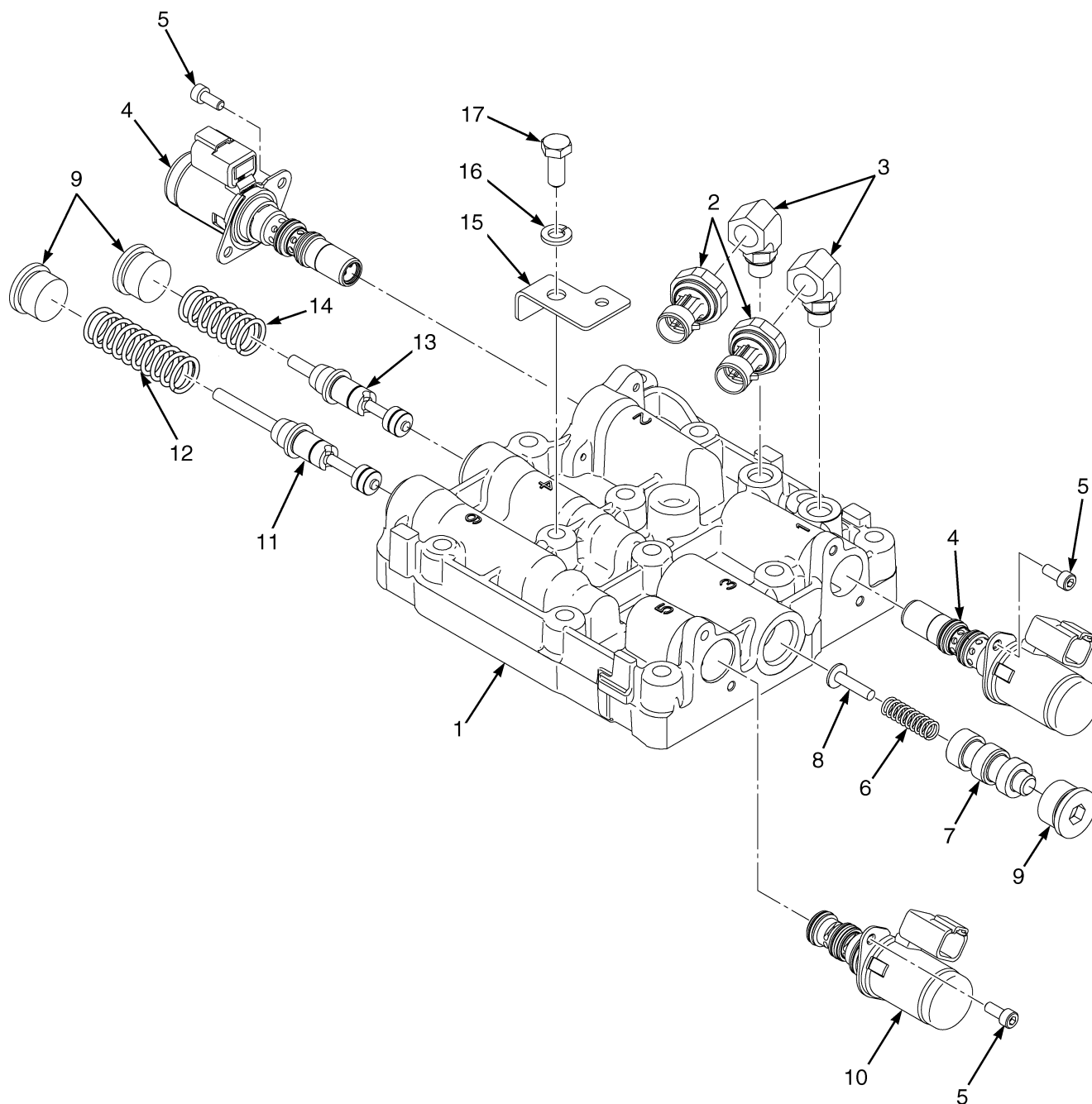


BP240106

REVERSE CLUTCH DUAL SPEED TRANSMISSION (PENDING PER ECN 10402574⇒)

ITEM	PART NO.	DESCRIPTION	QTY
	1646886	Clutch Pack Assembly (Reverse).....	1
1	.....	Seal	3
2	43207	Ball Bearing	3
3	1639862	Gear and Shaft Assembly	1
4	.....	Seal	1
5	.....	Seal	1
6	2085129	Piston	1
7	1581108	Spring	1
8	1581098	Spring	1
9	1581099	Spring Guide	1
10	1581100	Snap Ring.....	1
11	.....	Conical Plate	1
12	.....	Friction Plate	9
13	.....	Separator Plate	8
14	1537449	Pressure Plate (6.0 mm)	1
15	.....	Seal	1
16	1537450	Snap Ring.....	1
17	124603	Bearing	1
18	1581107	Snap Ring.....	1
19	1581106	Snap Ring.....	1
20	1639863	Clutch Gear	1
	1652269	Clutch Pack Plates and Seals Kit (Includes Items 1, 4-5, 11-13, 15).....	1
	1651852	Clutch Pack Plates Kit (Includes Items 11-13).....	1
	1595425	Clutch Pack Seals Kit (Includes Items 1, 4-5).....	1

CONTROL VALVE (Figure 5-26) TRANSMISSION



BP240046

**CONTROL VALVE
TRANSMISSION**

ITEM	PART NO.	DESCRIPTION	QTY
	1613695	Control Valve (Dry Brakes)	1
	1611835	Control Valve (Wet Brakes).....	1
1	.....	Body	1
2	2070263	Transducer.....	2
3	1545546	Fitting.....	2
3	16481	O-Ring.....	2
4	1530722	Proportional Valve	2
4	1650819	Seal Kit.....	1
5	293742	Capscrew	6
6	1590866	Spring (Return).....	1
7	1590865	Spool (Cut-Off)	1
8	1590839	Spool (Stop)	1
9	233693	Fitting.....	3
9	16485	O-Ring.....	3
10	1520660	Solenoid Valve.....	1
11	1613470	Spool (Torque Convertor Regulator)	1
12	1550561	Spring (Torque Convertor Regulator)	1
13	1544759	Spool (Torque Convertor Regulator)	1
14	1514138	Spring (Torque Convertor Regulator)	1
15	a 1562310	Clip	1
16	a 292681	Lockwasher	1
17	a 136681	Capscrew	1

FOOTNOTES:**a** ⇒ PENDING PER ECN 10402574

[illegible]

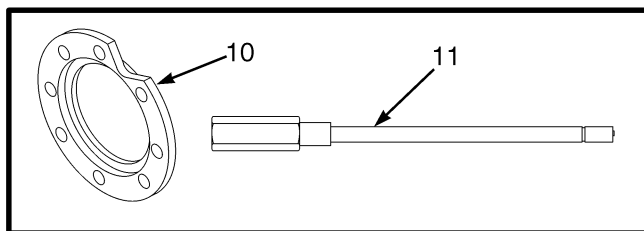
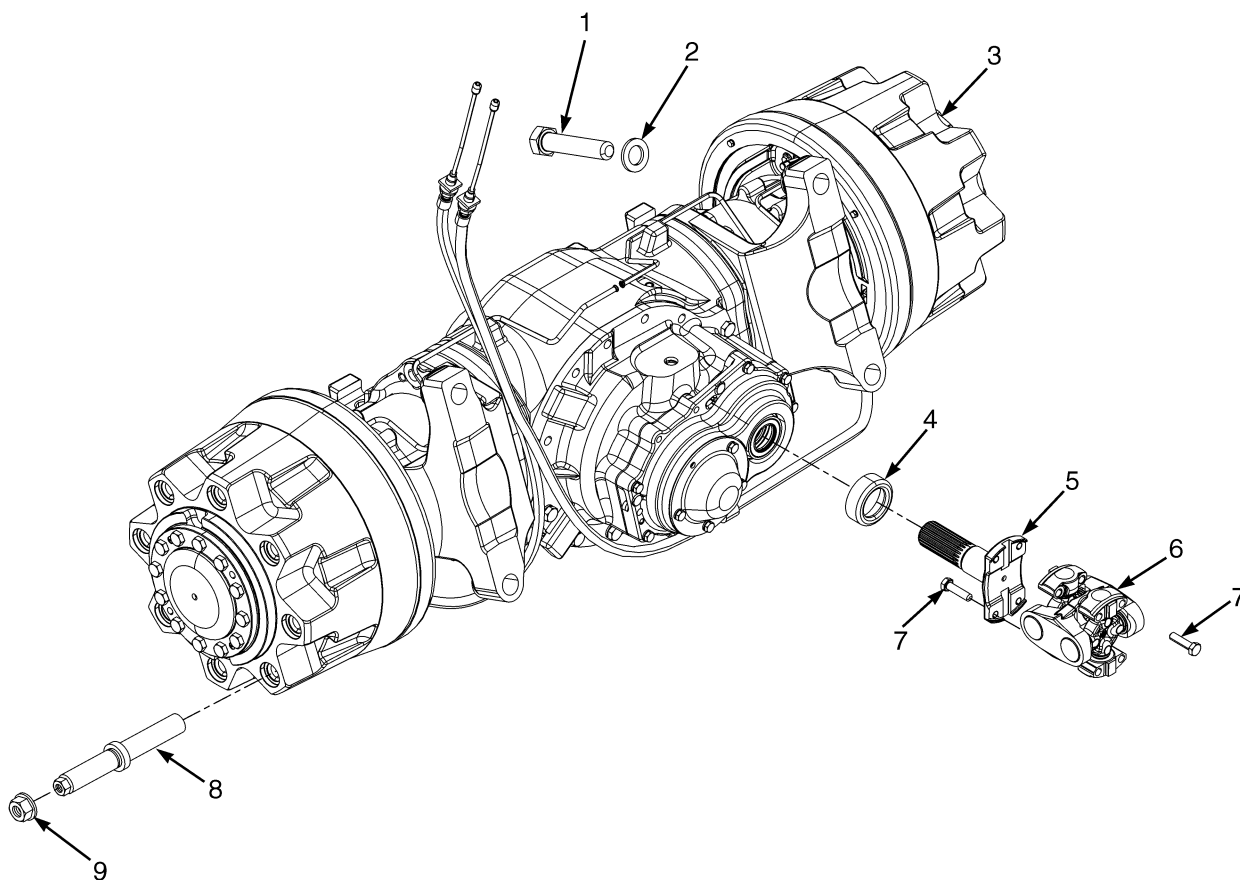
6	DRIVE AXLE	
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SECTION 6

DRIVE AXLE

DESCRIPTION	PAGE
CARRIER ASSEMBLY	
DRY BRAKE	6-10
CENTRAL HOUSING	
WET BRAKE.....	6-14
DIFFERENTIAL	
DRY BRAKE	6-8
WET BRAKE.....	6-20
DRIVE AXLE AND ATTACHING PARTS	
DRY BRAKE	6-2
WET BRAKE.....	6-12
DRIVE AXLE ASSEMBLY	
DRY BRAKE	6-4
DRIVE AXLE HOUSING AND HUB	
WET BRAKE.....	6-16
DRIVE TIRE AND WHEEL	
DUAL MOUNT	6-28
PNEUMATIC RADIAL	6-29
SINGLE MOUNT WITH STANDARD TREAD.....	6-26
SINGLE MOUNT WITH WIDE TREAD.....	6-27
WET BRAKE ASSEMBLY	6-24

DRIVE AXLE AND ATTACHING PARTS (Figure 6-1) DRY BRAKE



BP070038

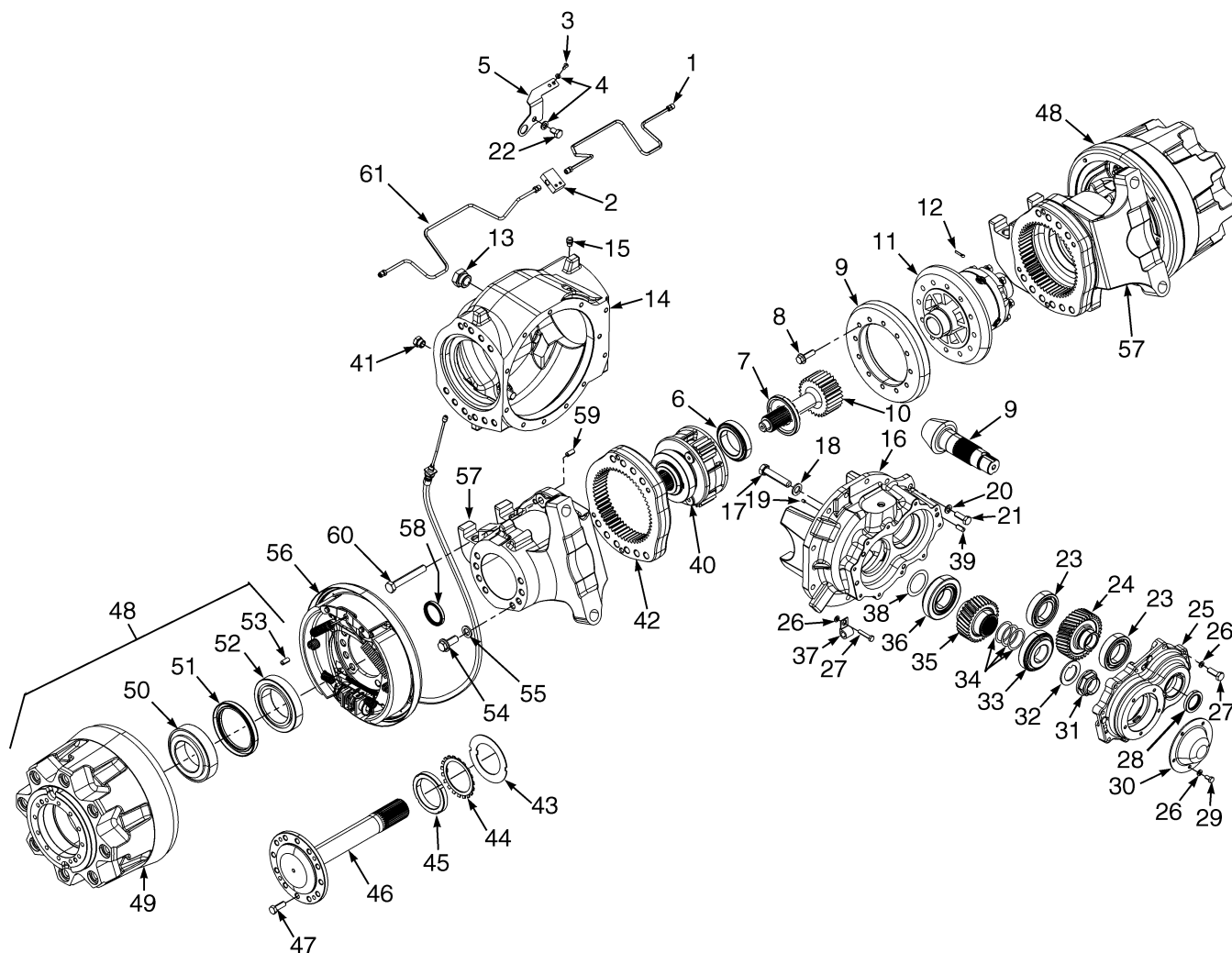
**DRIVE AXLE AND ATTACHING PARTS
DRY BRAKE****KEY:****A: H80-90FT****B: H100-120FT**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	226430	Capscrew.....	4	4
2	296434	Washer	4	4
3	1545455	Drive Axle (.889 DB Ratio).....	1	..
3	1545456	Drive Axle (1.061 DB Ratio).....	..	1
3	1545457	Drive Axle (.789 DB Ratio).....	1	..
3	1656407	Drive Axle (.942 DB Ratio).....	..	1
4	1542147	Cover	1	1
5	1542146	Drive Shaft.....	1	1
6	1594314	Universal Joint	1	1
7	1329286	Capscrew.....	8	8
8	b 1569463	Wheel Stud	16	16
8	a 1501278	Stud	..	16
8	a 1501277	Stud	16	..
9	376026	Lug Nut	16	16
10	a 1581973	Spacer	..	2
11	c 1638961	Valve Stem Extension.....	2	2
11	49189	Valve Stem Extension.....	2	2

FOOTNOTES:

- a** Dual Wheel
- b** Single Wheel
- c** Used For Radial Tubeless Tires

DRIVE AXLE ASSEMBLY (Figure 6-2) DRY BRAKE



BP070047

**DRIVE AXLE ASSEMBLY
DRY BRAKE**

ITEM	PART NO.	DESCRIPTION	QTY
	b 1545455	Drive Axle (0.889 Gear Ratio).....	1
	a 1545456	Drive Axle (1.061 Gear Ratio).....	1
	b 1545457	Drive Axle (0.789 Gear Ratio).....	1
	a 1656407	Drive Axle (0.942 Gear Ratio).....	1
1	b 2089136	Tube (RH)	1
1	a 2089138	Tube (RH)	1
2	1608822	Manifold Assembly	1
2	1595808	Manifold.....	1
3	1510126	Capscrew (Button Head).....	2
4	292680	Lockwasher	2
5	.....	Bracket	1
6	1375487	Bearing	2
6	302385	Pin	13
7	1652926	Retainer.....	2
8	2029436	Bolt	12
9	2083424	Gear Set	1
10	1556795	Sun Gear	2
11	2067574	Differential Assembly (☞ Figure 6-3)	1
12	15241	Cotter Pin	2
13	14604	Fitting.....	1
13	16487	O-Ring.....	1
14	1542160	Housing (Differential).....	1
15	21420	Breather.....	1
16	1542161	Support.....	1
17	293692	Capscrew	4
18	296426	Washer (Hardened).....	4
19	234038	Dowel Pin	4
20	292683	Lockwasher	12
21	292528	Capscrew	11
22	292526	Capscrew	1
23	1542143	Ball Bearing	2
24	b 1542102	Drive Gear (0.789 Gear Ratio)	1
24	ab 1542103	Drive Gear (0.889 Gear Ratio)	1
24	a 1545460	Drive Gear (1.061 Gear Ratio)	1
25	1542144	Dropbox Housing.....	1
26	292681	Lockwasher	15
27	292508	Capscrew	10
28	1542169	Oil Seal.....	1
29	287851	Capscrew	5
30	1516536	Cover.....	1
31	2026861	Nut.....	1
32	1530588	Washer	1
33	2022352	Roller Bearing	1
34	1516331	Shim (0.004 in.)	AR
34	1516332	Shim (0.005 in.)	AR
34	1516333	Shim (0.007 in.)	AR
34	1516334	Shim (0.009 in.)	AR
34	1516335	Shim (0.19 in.)	AR
35	b 1542104	Driven Gear (0.789 Gear Ratio)	1
35	ab 1542105	Driven Gear (0.889 Ratio)	1
35	a 1545462	Driven Gear (1.061 Ratio)	1

DRIVE AXLE ASSEMBLY DRY BRAKE

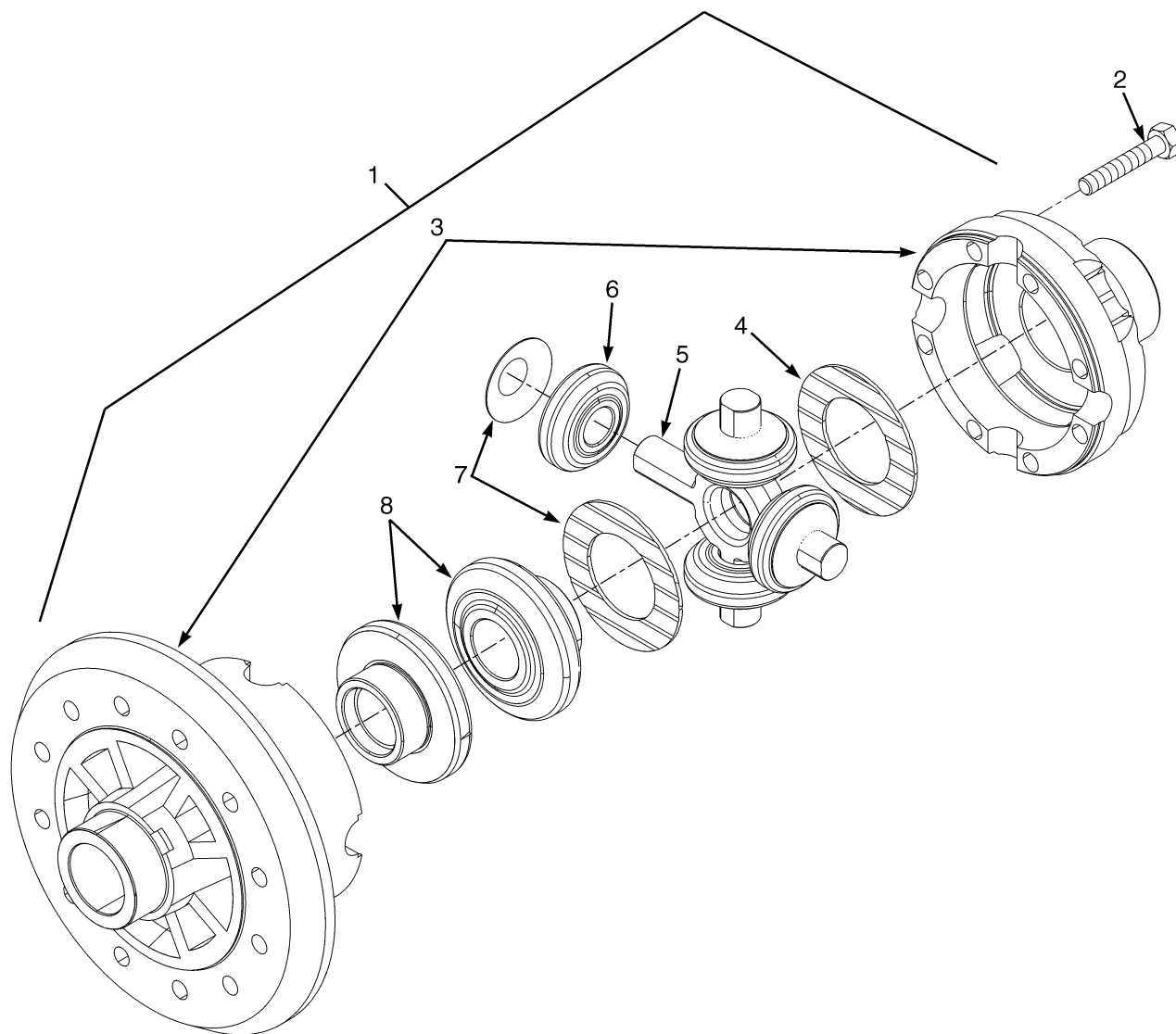
ITEM	PART NO.	DESCRIPTION	QTY
36	2028862	Roller Bearing	1
37	153070	Clamp	2
38	1520752	Shim	AR
38	1520753	Shim	AR
38	1520754	Shim	AR
38	1520755	Shim	AR
38	1569912	Shim	AR
38	1569913	Shim	AR
38	1569914	Shim	AR
38	1569915	Shim	AR
39	302385	Pin	7
40	1601968	Planet Gear Carrier Assembly (☞ Figure 6-4)	2
41	1521809	Drain Plug.....	1
42	1556794	Gear	2
43	1542157	Washer	2
44	2083429	Washer	2
45	2039504	Nut.....	2
46	1545484	Axle Shaft.....	2
47	293646	Capscrew	24
48	.....	Hub Assembly	2
49	b 1613608	Hub	2
49	a 1613609	Hub	2
50	2039493	Bearing.....	1
51	2039492	Seal.....	1
52	2039494	Bearing.....	1
53	302385	Pin.....	2
54	1615652	Bolt (Serrated)	16
55	296426	Washer (Hardened).....	20
56	b 1641959	Brake and Cable Assembly (LH) (☞ Figure 8-5)	1
56	a 1641957	Brake and Cable Assembly (LH) (☞ Figure 8-6)	1
56	b 1641960	Brake and Cable Assembly (RH) (☞ Figure 8-5)	1
56	a 1641958	Brake and Cable Assembly (RH) (☞ Figure 8-6)	1
57	1610749	Hanger Assembly (LH)	1
57	1610750	Hanger Assembly (RH)	1
58	1608403	Seal.....	1
59	302385	Pin.....	2
60	293696	Capscrew	20
61	b 2089137	Tube (LH).....	1
61	a 2089139	Tube (LH).....	1

FOOTNOTES:
a H100-120FT

b H80-90FT

[illegible]

DIFFERENTIAL (Figure 6-3) DRY BRAKE

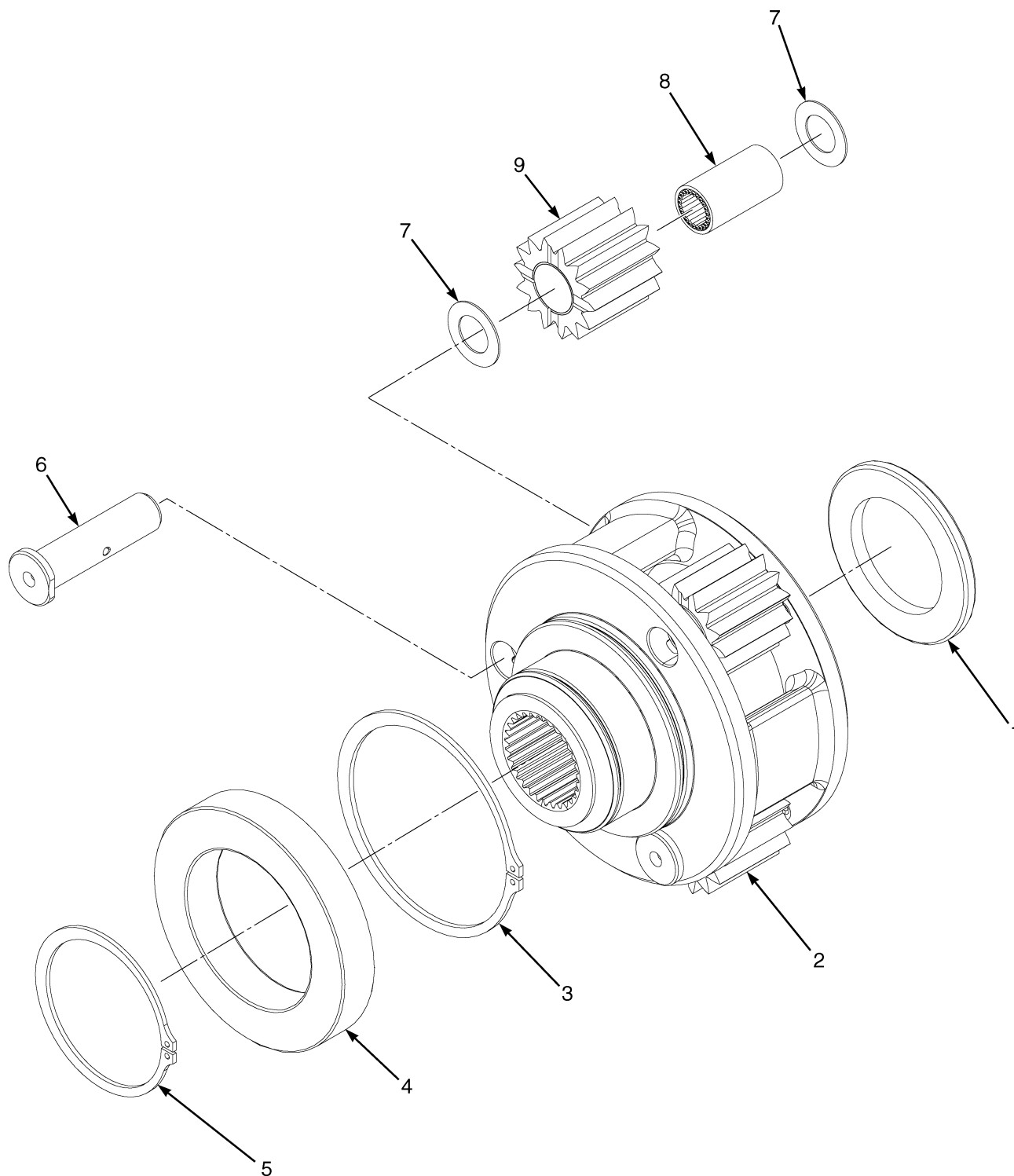


BP070026

**DIFFERENTIAL
DRY BRAKE**

ITEM	PART NO.	DESCRIPTION	QTY
1	2067574	Differential Assembly	1
2	1565327	Bolt	8
3	.....	Case Set.....	1
4	1565325	Washer (Side)	2
5	2029383	Spider Gear	1
6	.....	Gear (Pinion)	4
7	.....	Washer (Pinion).....	4
8	.....	Gear (Side).....	2
	1606531	Gear Kit (Includes Items 6, 8).....	1
	1565324	Washer Kit (Includes Items 4, 7).....	1

CARRIER ASSEMBLY (Figure 6-4) DRY BRAKE



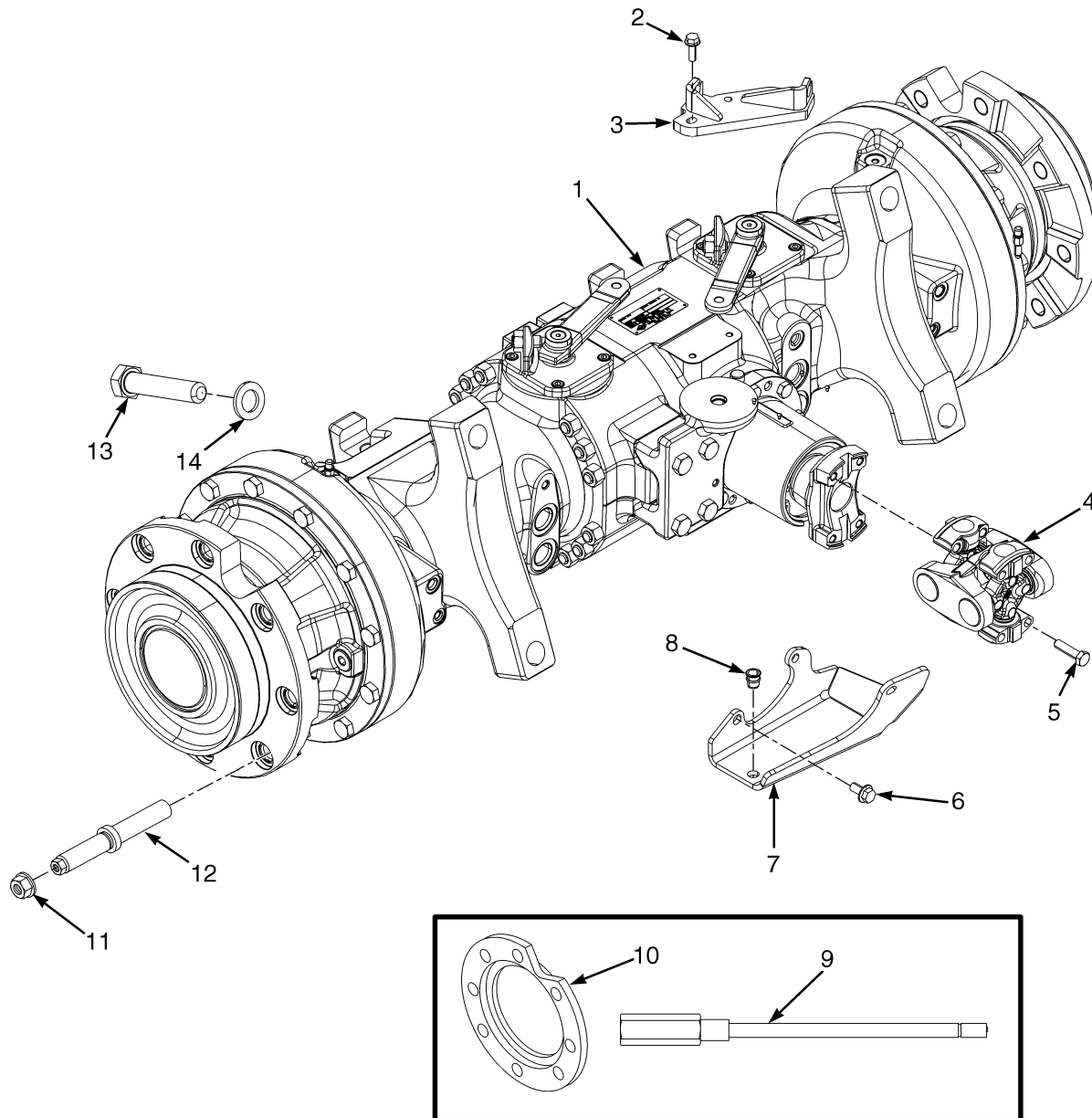
BP070034

**CARRIER ASSEMBLY
DRY BRAKE**

ITEM	PART NO.	DESCRIPTION	QTY
	1601968	Planet Gear Carrier Assembly	1
1	1556800	Washer	1
2	1601967	Carrier	1
3	307284	Snap Ring.....	1
4	44317	Ball Bearing	1
5	58943	Snap Ring.....	1
6	1601966	Pin	3
7	1556799	Washer	6
8	1633297	Roller/Spacer Assembly	3
9	1601965	Planetary Gear	3
10	a 1601964	Spacer	3

FOOTNOTES:**a** ⇒ PENDING PER ECN 10419123

DRIVE AXLE AND ATTACHING PARTS (Figure 6-5) WET BRAKE



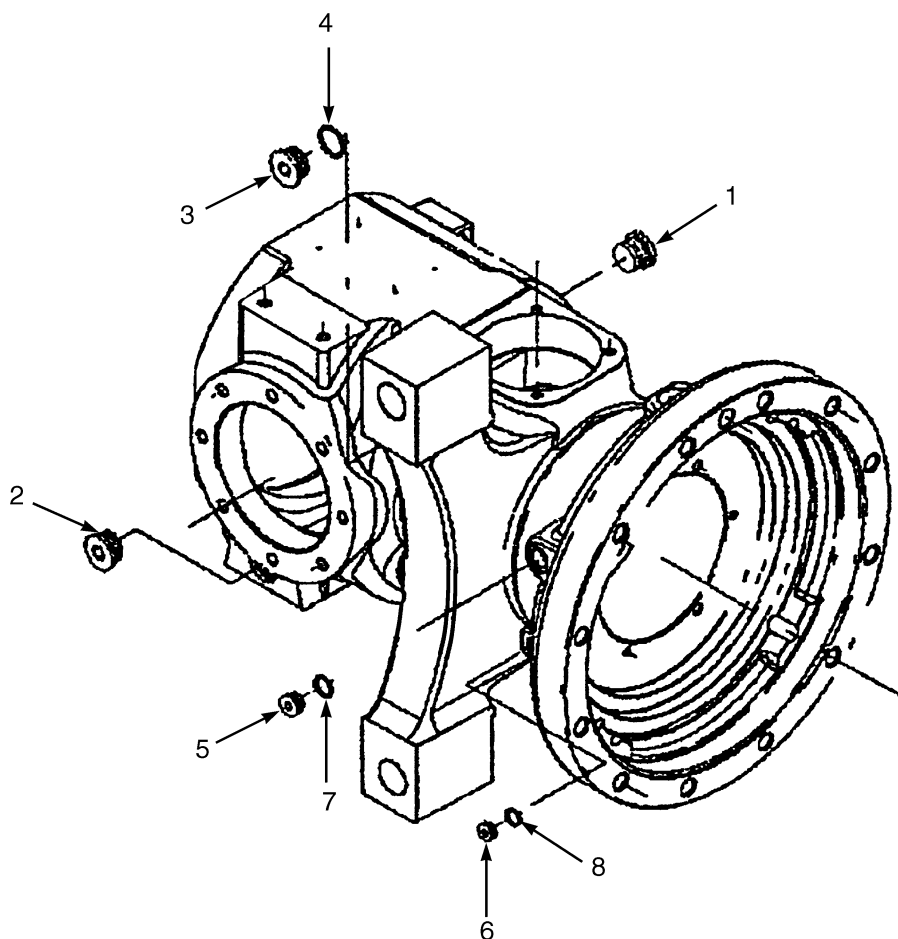
BP070039

**DRIVE AXLE AND ATTACHING PARTS
WET BRAKE****KEY:****A: H100-120FT****B: H80-90FT**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	c 2081594	Drive Axle (11.2 Overall Ratio)	1	..
1	d 2090854	Drive Axle (11.2 Overall Ratio)	1	..
1	c 2063845	Drive Axle (12.8 Overall Ratio)	..	1
1	d 2090851	Drive Axle (12.8 Overall Ratio)	..	1
1	c 2063846	Drive Axle (13.7 Overall Ratio)	..	1
1	d 2090852	Drive Axle (13.7 Overall Ratio)	..	1
1	c 2063847	Drive Axle (15.2 Overall Ratio)	1	..
1	d 2090853	Drive Axle (15.2 Overall Ratio)	1	..
2	1510113	Capscrew.....	2	2
3	1626353	Bracket.....	1	1
4	1594314	Universal Joint	1	1
5	1329286	Capscrew.....	8	8
6	c 1527883	Capscrew.....	2	2
7	c 1627171	Bracket.....	1	1
8	c 1530243	Insert.....	2	2
9	a 49189	Valve Stem Extension (Dual Drive).....	2	2
9	d 1638961	Valve Stem Extension (Single Drive)	..	2
9	bd 2028341	Valve Stem Extension (Dual Drive).....	2	2
10	1581561	Spacer	2	2
11	376026	Lug Nut	16	16
12	1501278	Stud (Dual Drive)	16	..
12	d 1501277	Stud (Dual Drive)	..	16
12	1569463	Wheel Stud (Single Drive)	..	16
13	226430	Capscrew.....	4	4
14	296434	Washer	4	4

FOOTNOTES:**a** Bias Ply Tires**b** Radial Tires**c** ⇒ S/N N005V01515D**d** S/N N005V01516D ⇒

CENTRAL HOUSING (Figure 6-6) WET BRAKE



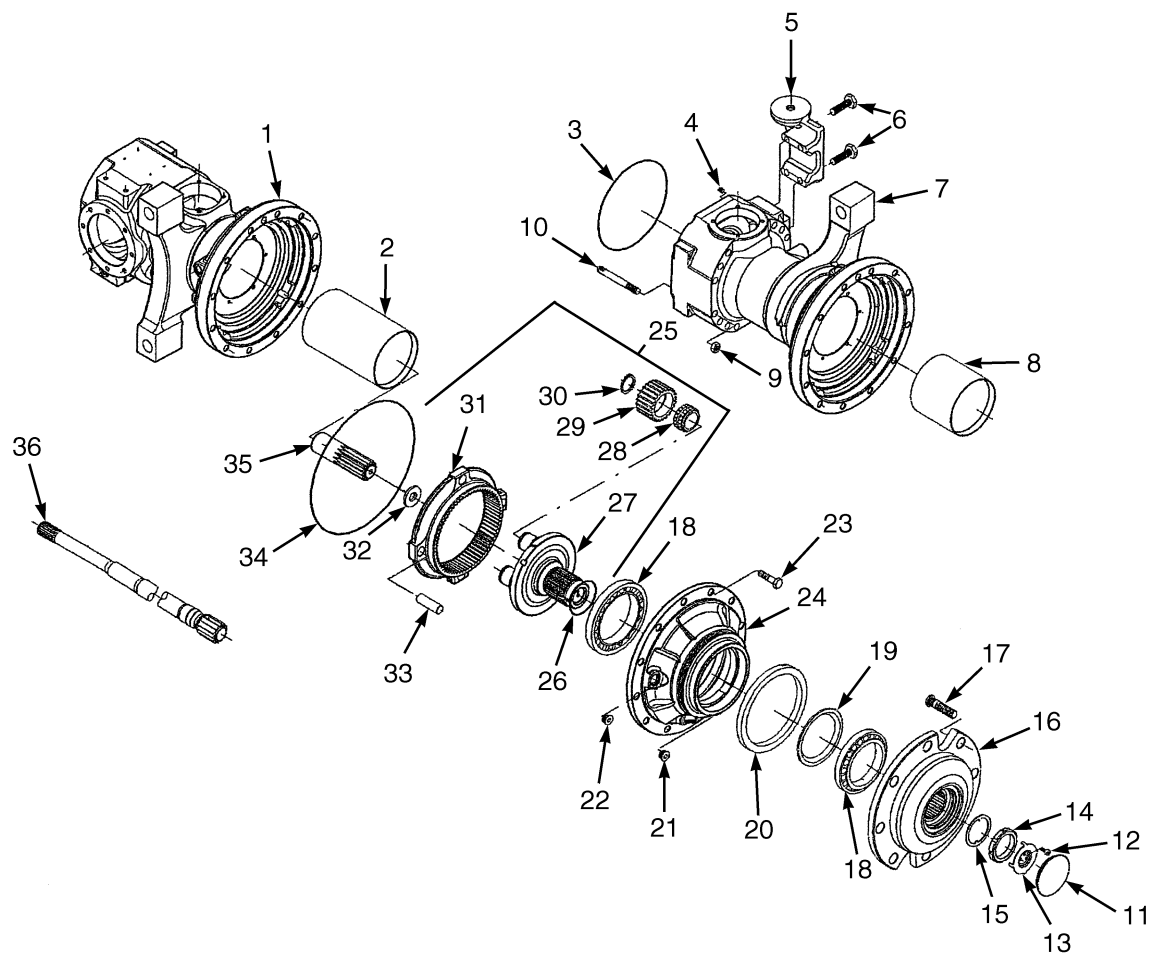
BP070044

**CENTRAL HOUSING
WET BRAKE**

ITEM	PART NO.	DESCRIPTION	QTY
	a 2063845	Drive Axle (12.8 Overall Ratio)	1
	b 2090851	Drive Axle (12.8 Overall Ratio)	1
	a 2063846	Drive Axle (13.7 Overall Ratio)	1
	b 2090852	Drive Axle (13.7 Overall Ratio)	1
	a 2063847	Drive Axle (15.2 Overall Ratio)	1
	b 2090853	Drive Axle (15.2 Overall Ratio)	1
	a 2081594	Drive Axle (11.2 Overall Ratio)	1
	b 2090854	Drive Axle (11.2 Overall Ratio)	1
1	1623544	Plug	1
2	1623545	Magnetic Plug.....	1
3	1641352	Plug	1
4	1623671	O-Ring	1
5	1641353	Plug	2
6	1641354	Plug	2
7	1641355	Washer	12
8	1641356	Sealing Washer	6

FOOTNOTES:**a** ⇒ S/N N005V01515D**b** S/N N005V01516D ⇒

DRIVE AXLE HOUSING AND HUB (Figure 6-7) WET BRAKE



BP070042

**DRIVE AXLE HOUSING AND HUB
WET BRAKE**

ITEM	PART NO.	DESCRIPTION	QTY
	eh 2081594	Drive Axle (11.2 Overall Ratio)	1
	ei 2090854	Drive Axle (11.2 Overall Ratio)	1
	bfh 2063845	Drive Axle (12.8 Overall Ratio)	1
	bfi 2090851	Drive Axle (12.8 Overall Ratio)	1
	ch 2063846	Drive Axle (13.7 Overall Ratio)	1
	ci 2090852	Drive Axle (13.7 Overall Ratio)	1
	adh 2063847	Drive Axle (15.2 Overall Ratio)	1
	adi 2090853	Drive Axle (15.2 Overall Ratio)	1
1	.....	Axle Housing (RH)	1
2	1627819	Tube (Long)	1
3	1623654	O-Ring	1
4	1623658	Bolt	4
5	1627817	Support	1
6	1623666	Bolt	4
7	.....	Axle Housing (LH)	1
8	1627818	Tube (Short)	1
9	h 1623657	Nut	14
9	i 1649534	Nut	14
10	1627812	Stud	14
11	1627813	Plug	2
12	1623652	Bolt	2
13	1627806	Cap	2
14	1627805	Nut	2
15	1627804	Washer	2
16	1627803	Wheel Hub	2
17	1569463	Wheel Stud	16
18	h 1623646	Bearing	4
18	i 1623645	Bearing	4
19	1627820	Washer	2
20	1627802	Ring	2
21	1623545	Magnetic Plug	2
22	1623544	Plug	2
23	1623643	Bolt	24
24	h 1627801	Cover	2
24	i 1647656	Cover	2
25	1627814	Planet Gear Carrier Assembly	2
26	h 1623655	O-Ring	2
26	i 1623654	O-Ring	2
27	h 1623641	Planetary Carrier	2
27	i 1627800	Planetary Carrier	2
28	1623640	Bearing	4
29	1623639	Planetary Gear	4
30	1623638	Retaining Ring	4
31	1623636	Ring Gear	1
32	1623635	Thrust Washer	1
33	1623637	Dowel	8
34	1623634	O-Ring	2
35	1627799	Pinion	2

**DRIVE AXLE HOUSING AND HUB
WET BRAKE**

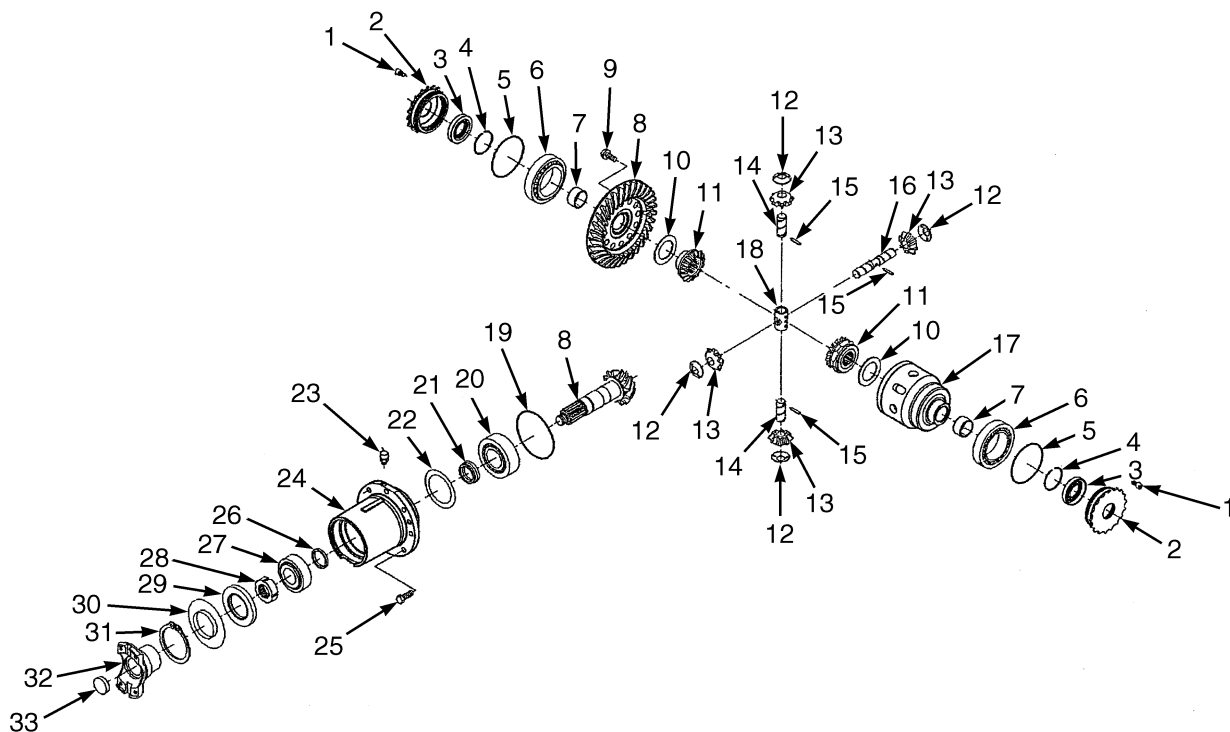
ITEM	PART NO.	DESCRIPTION	QTY
36	1627815	Axle Shaft (Short) (Short).....	1
36	1627816	Axle Shaft (Long) (Long)	1

FOOTNOTES:

- a** H100-120 FT Diesel With Extended Function Transmission
- b** H100-120FT Diesel With Extended Function Dual Speed Transmission
- c** H100-120FT Diesel Without Extended Function Transmission
- d** H100-120FT Gasoline and LPG
- e** H80-90FT Diesel With Single Speed Transmission
- f** H80-90FT Gasoline and LPG Without Extended Function Transmission
- g** H80-90FT With Extended Function Transmission
- h** ⇒ S/N N005V01515D
- i** S/N N005V01516D ⇒

[illegible]

DIFFERENTIAL (Figure 6-8) WET BRAKE



BP070043

**DIFFERENTIAL
WET BRAKE**

ITEM	PART NO.	DESCRIPTION	QTY
	eg 2081594	Drive Axle (11.2 Overall Ratio)	1
	eh 2090854	Drive Axle (11.2 Overall Ratio)	1
	abg 2063845	Drive Axle (12.8 Overall Ratio)	1
	abh 2090851	Drive Axle (12.8 Overall Ratio)	1
	cfg 2063846	Drive Axle (13.7 Overall Ratio)	1
	ceh 2090852	Drive Axle (13.7 Overall Ratio)	1
	bdg 2063847	Drive Axle (15.2 Overall Ratio)	1
	bdh 2090853	Drive Axle (15.2 Overall Ratio)	1
1	1623593	Bolt	2
2	1627793	Nut	2
3	1627794	Seal	2
4	1623590	Snap Ring	2
5	1623591	O-Ring	2
6	1623592	Roller Bearing	2
7	1641362	Bushing	2
8	h 1623817	Bevel Gear Assembly (12.8 Overall Ratio)	1
8	h 1627925	Bevel Gear Assembly (13.7 Overall Ratio)	1
8	h 1627927	Bevel Gear Assembly (15.2 Overall Ratio)	1
8	1623575	Bevel Gear Assembly (11.2 Overall Ratio)	1
9	1623578	Bolt	1
10	1623580	Thrust Washer	2
11	1623581	Side Gear	2
12	1623587	Thrust Washer	4
13	1623586	Pinion	4
14	1623584	Pin	2
15	1623585	Dowel	3
16	1623583	Pin	1
17	1623579	Differential Carrier	1
18	1623582	Retainer	1
19	1623574	O-Ring	1
20	1623573	Bearing	1
21	1623572	Spacer	1
22	1627788	Shim	1
22	1627789	Shim	1
22	1627790	Shim	1
23	1627791	Plug	1
24	g 1627787	Cover	1
24	h 1623568	Cover	1
25	1627792	Bolt	8
26	1623553	Spacer	1
26	1623554	Spacer	1
26	1623555	Spacer	1
26	1623556	Spacer	1
26	1623557	Spacer	1
26	1623558	Spacer	1
26	1623559	Spacer	1
26	1623560	Spacer	1
26	1623561	Spacer	1
26	1623562	Spacer	1
26	1623563	Spacer	1
26	1623564	Spacer	1

DIFFERENTIAL WET BRAKE

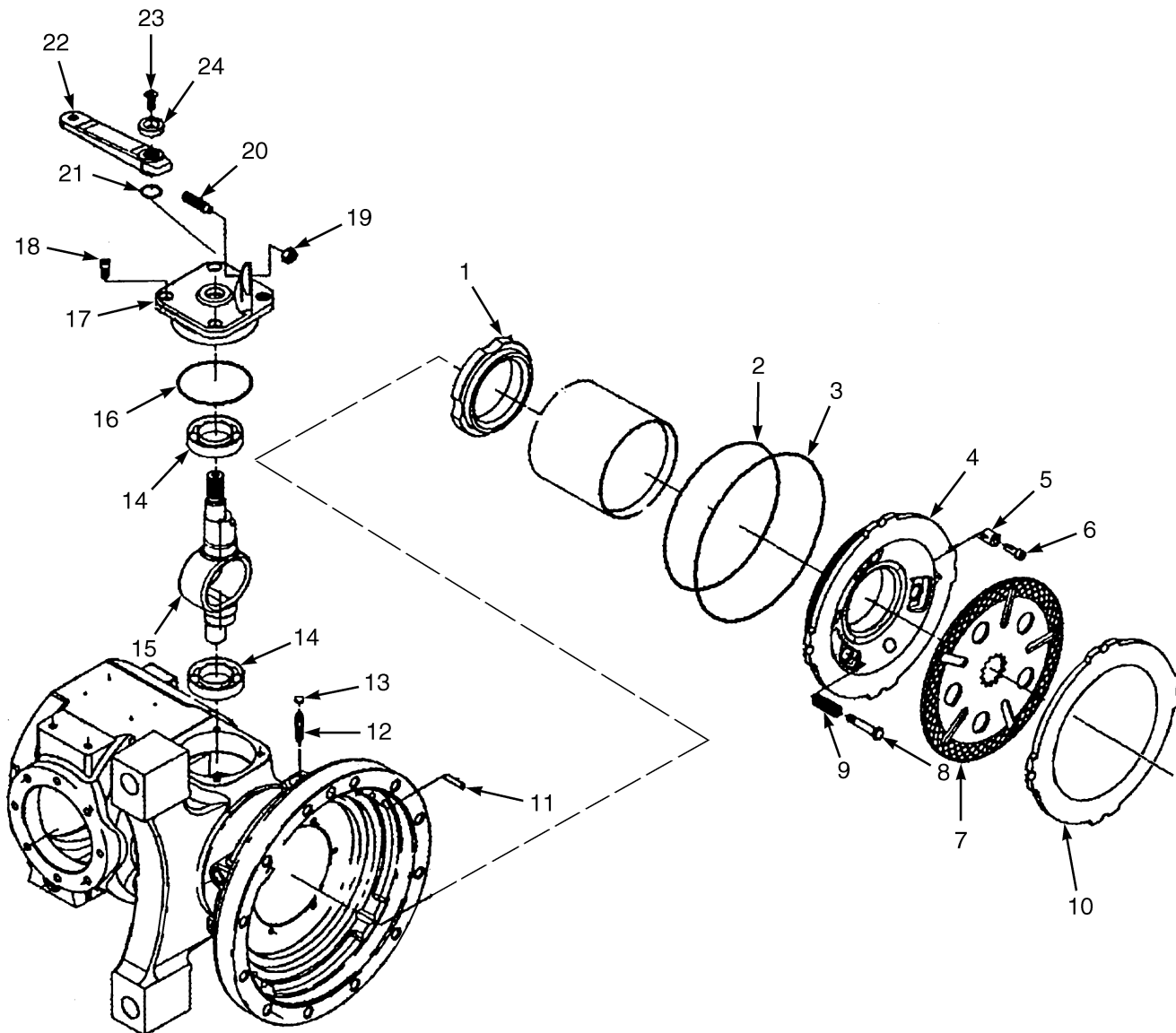
ITEM	PART NO.	DESCRIPTION	QTY
26	1623565	Spacer	1
26	1623566	Spacer	1
27	1623552	Bearing	1
28	1623551	Nut.....	1
29	1623550	Seal	1
30	1623549	Plate	1
31	1623548	Retaining Ring.....	1
32	1623547	Flange	1
33	1623546	Plug	1

FOOTNOTES:

- a** H80-90FT Gasoline and LPG Without Extended Function Transmission
- b** Long Wheel Base H100-120FT Diesel with Extended Function Dual Speed Transmission
- c** Long Wheel Base H100-120FT Diesel Without Extended Function Transmission
- d** Long Wheel Base H100-120FT Gasoline and LPG
- e** Short Wheel Base H80-90FT Diesel With Single Speed Transmission
- f** Short Wheelbase Extended Function
- g** ⇒ S/N N005V01515D
- h** S/N N005V01516D ⇒

[illegible]

WET BRAKE ASSEMBLY (Figure 6-9)



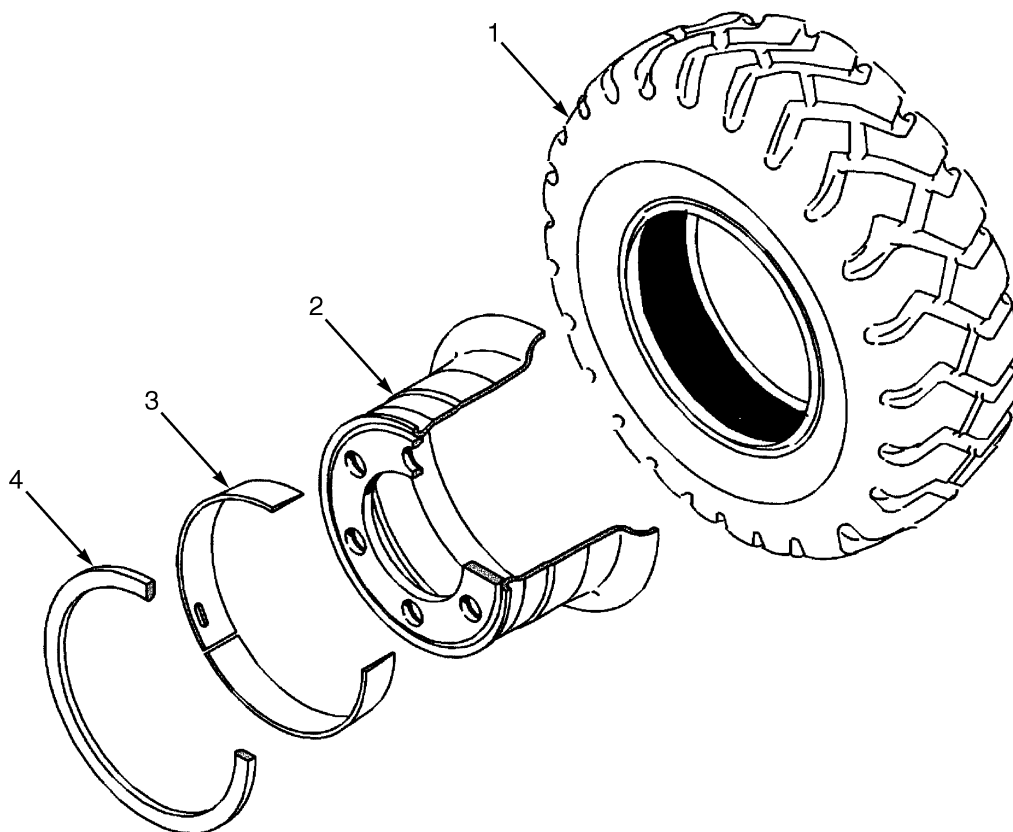
BP070032

WET BRAKE ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY
	a 2081594	Drive Axle (11.2 Overall Ratio)	1
	b 2090854	Drive Axle (11.2 Overall Ratio)	1
	a 2063845	Drive Axle (12.8 Overall Ratio)	1
	b 2090851	Drive Axle (12.8 Overall Ratio)	1
	a 2063846	Drive Axle (13.7 Overall Ratio)	1
	b 2090852	Drive Axle (13.7 Overall Ratio)	1
	a 2063847	Drive Axle (15.2 Overall Ratio)	1
	b 2090853	Drive Axle (15.2 Overall Ratio)	1
1	1627823	Disc	2
2	1623687	Seal	2
3	1623688	Seal	2
4	a 1627824	Piston	2
4	b 1644455	Piston	2
5	1623690	Spring	6
6	1623691	Bolt	6
7	1627837	Disc Brake	4
8	1627826	Bolt	6
9	1627825	Spring	6
10	a 1627838	Brake Disc (Intermediate).....	2
10	b 1644456	Brake Disc (Intermediate).....	2
11	1627822	Dowel Pin	8
12	1623677	Stud (Bleeding).....	2
13	1623676	Plug	2
14	1623674	Bearing	4
15	1623675	Lever (Brake)	2
16	1623673	O-Ring	2
17	1627836	Bushing (Reduction).....	2
18	1623672	Bolt	8
19	1623696	Nut.....	2
20	1623695	Bolt (Left)	1
20	1646920	Bolt (Right)	1
21	1623671	O-Ring	2
22	1623670	Lever.....	2
23	1623669	Bolt	2
24	1623694	Spacer	2

FOOTNOTES:**a** ⇒ S/N N005V01515D**b** S/N N005V01516D ⇒

DRIVE TIRE AND WHEEL (Figure 6-10) SINGLE MOUNT WITH STANDARD TREAD



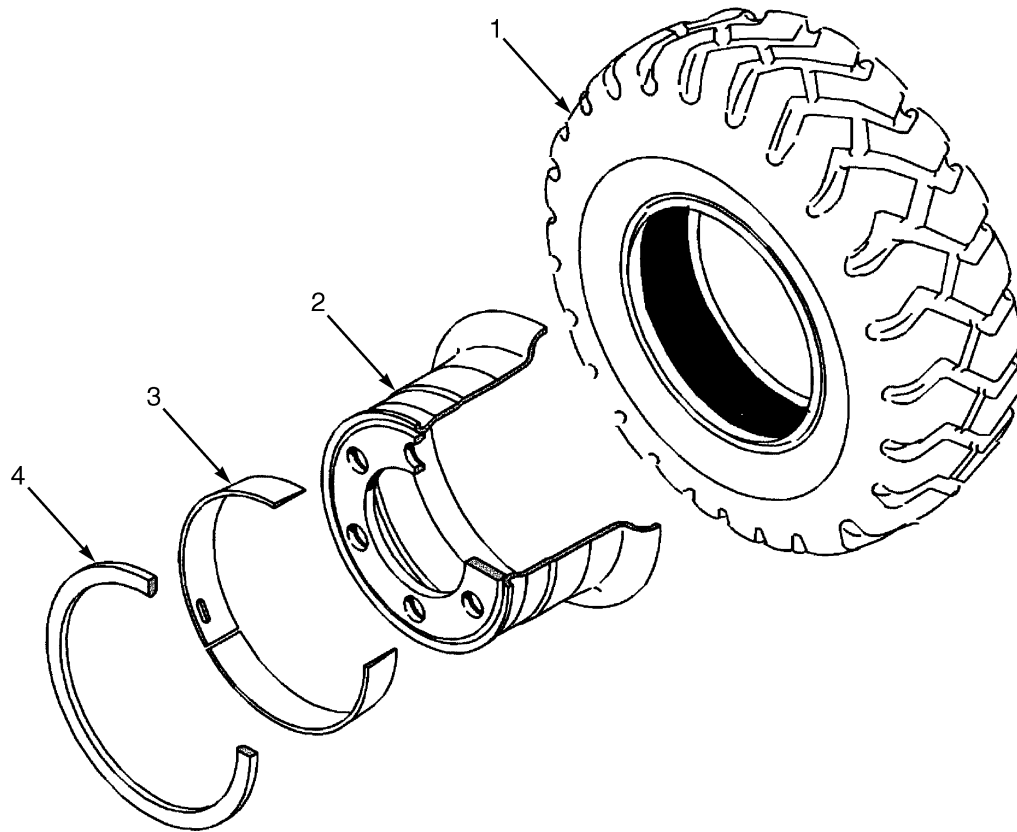
BP070041

KEY:

A: 250 x 15-20PR (H80-90FT)

B: 300 x 15-20PR (H100-120FT)

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1547342	Tire (Trell)	2	..
1	1547343	Tire (Monarch)	2	..
1	1547348	Tire (Trell)	..	2
1	1547349	Tire (Monarch)	..	2
2	2083531	Wheel Assembly	2	..
2	2083534	Wheel Assembly	..	2
3	322637	Side Ring	1	1
4	322638	Lock Ring	1	1

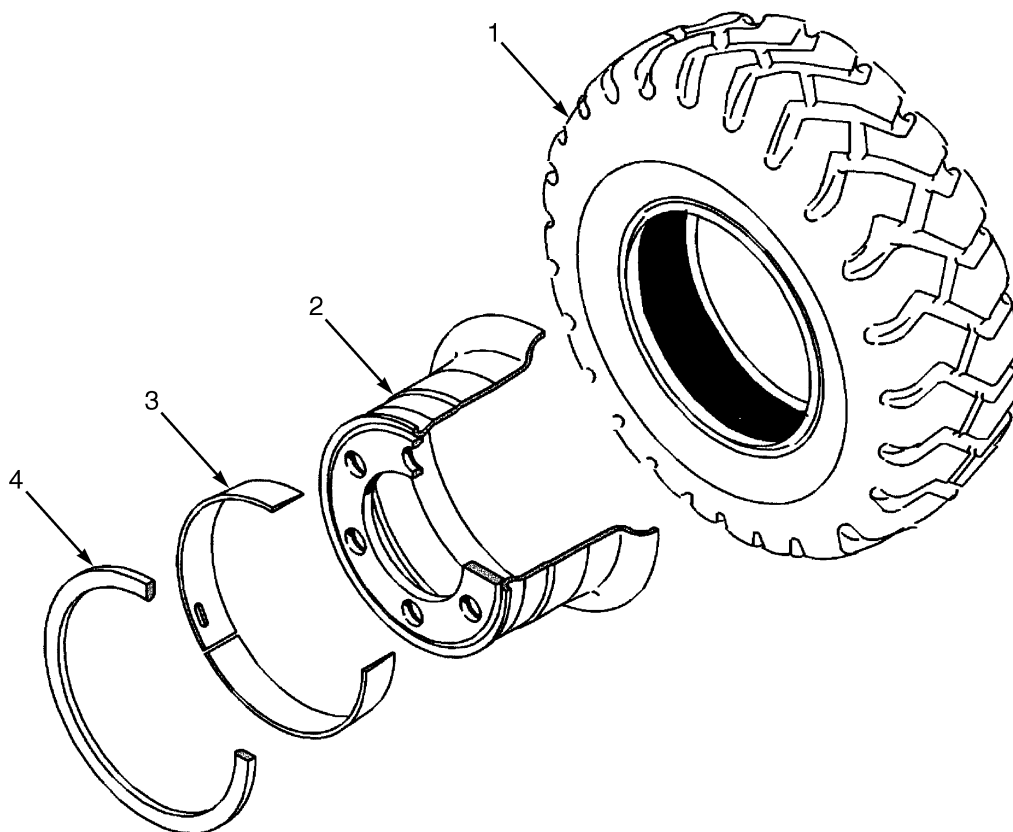
DRIVE TIRE AND WHEEL (Figure 6-11)
SINGLE MOUNT WITH WIDE TREAD

BP070041

KEY:**A: 250 x 15-20PR (H80-90FT)****B: 300 x 15-20PR (H100-120FT)**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1547342	Tire (Trell)	2	..
1	1547343	Tire (Monarch)	2	..
1	1547348	Tire (Trell)	..	2
1	1547349	Tire (Monarch)	..	2
2	2083532	Wheel Assembly	2	..
2	2083535	Wheel Assembly	..	2
3	322637	Side Ring	1	1
4	322638	Lock Ring	1	1

DRIVE TIRE AND WHEEL (Figure 6-12) DUAL MOUNT



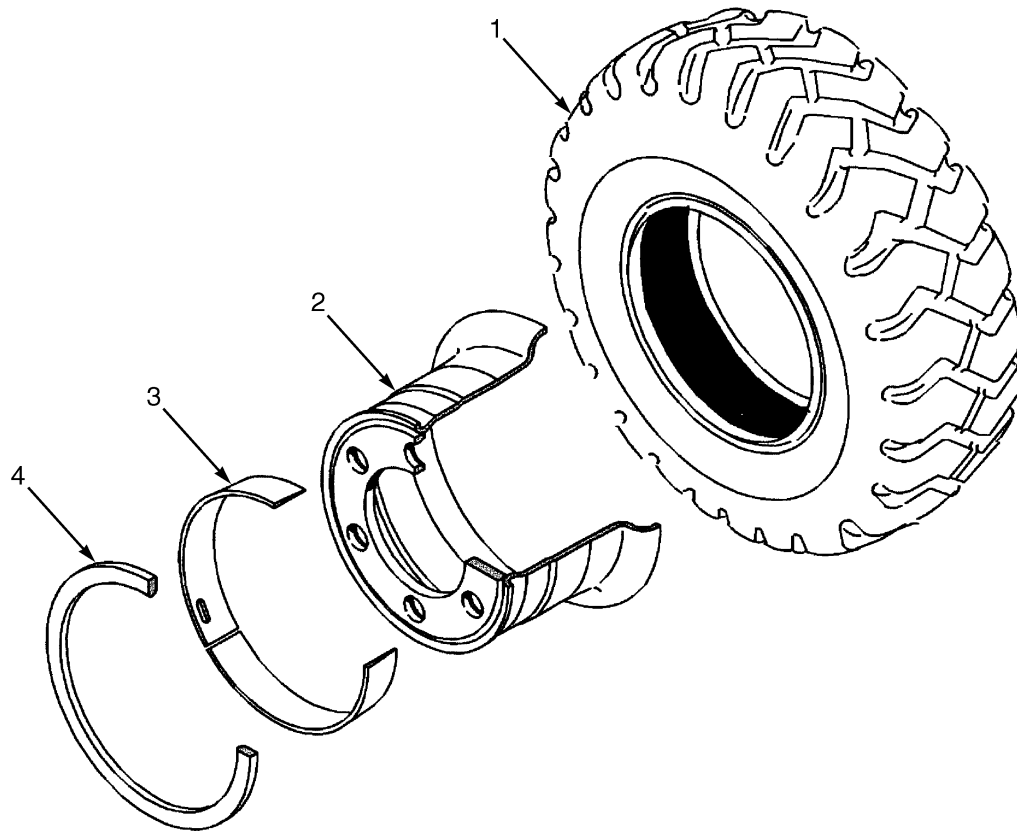
BP070041

KEY:

A: 7.00 x 15-14 PR (H80-90FT)

B: 8.25 x 15-14PR (H100-120FT)

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1547341	Tire (Trell)	4	..
1	1547346	Tire (Monarch)	4	..
1	1547351	Tire (Trell)	..	4
1	1547352	Tire (Monarch)	..	4
2	2083533	Wheel Assembly	4	..
2	2083536	Wheel Assembly	..	4
3	322637	Side Ring	1	1
4	322638	Lock Ring	1	1

DRIVE TIRE AND WHEEL (Figure 6-13)
PNEUMATIC RADIAL

BP070041

KEY:**A: 250/70 R15 (H80-90FT) Single Mount****B: 7.00 R15 (H80-90FT) Dual Mount****C: 315/70 R15 (H100-120FT) Single Mount****D: 8.25 R15 (H100-120FT) Dual Mount**

ITEM	PART NO.	DESCRIPTION	QTY			
			A	B	C	D
1	1471830	Tire Assembly	2	..	..	..
1	1462618	Tubeless Bead Seal	1	..	..	..
1	1358184	Tire	1	..	..	..
1	1471922	Bead Seal Valve	1	..	..	..
1	1471836	Tire Assembly	..	4	..	..
1	1462618	Tubeless Bead Seal	..	1	..	..
1	1358180	Tire	..	1	..	..
1	1471922	Bead Seal Valve	..	1	..	..
1	1471831	Tire Assembly	..	..	2	..
1	1471595	Tubeless Bead Seal	..	..	1	..
1	1358185	Tire	..	..	1	..
1	1471922	Bead Seal Valve	..	..	1	..
1	1471838	Tire Assembly	..	..	..	4
1	1358182	Tire	..	..	..	1
1	1471598	Tubeless Bead Seal	..	..	..	1
1	1471922	Bead Seal Valve	..	..	..	1

DRIVE TIRE AND WHEEL PNEUMATIC RADIAL

ITEM	PART NO.	DESCRIPTION	QTY			
			A	B	C	D
2	2083531	Wheel Assembly	2	..	..	..
2	2083532	Wheel Assembly (Wide)	2	..	..	..
2	2083533	Wheel Assembly	..	4	..	..
2	2083534	Wheel Assembly	..	..	2	..
2	2083535	Wheel Assembly (Wide)	..	..	2	..
2	2083536	Wheel Assembly	..	..	..	4
3	322637	Side Ring	1	1	1	1
4	322638	Lock Ring	1	1	1	1

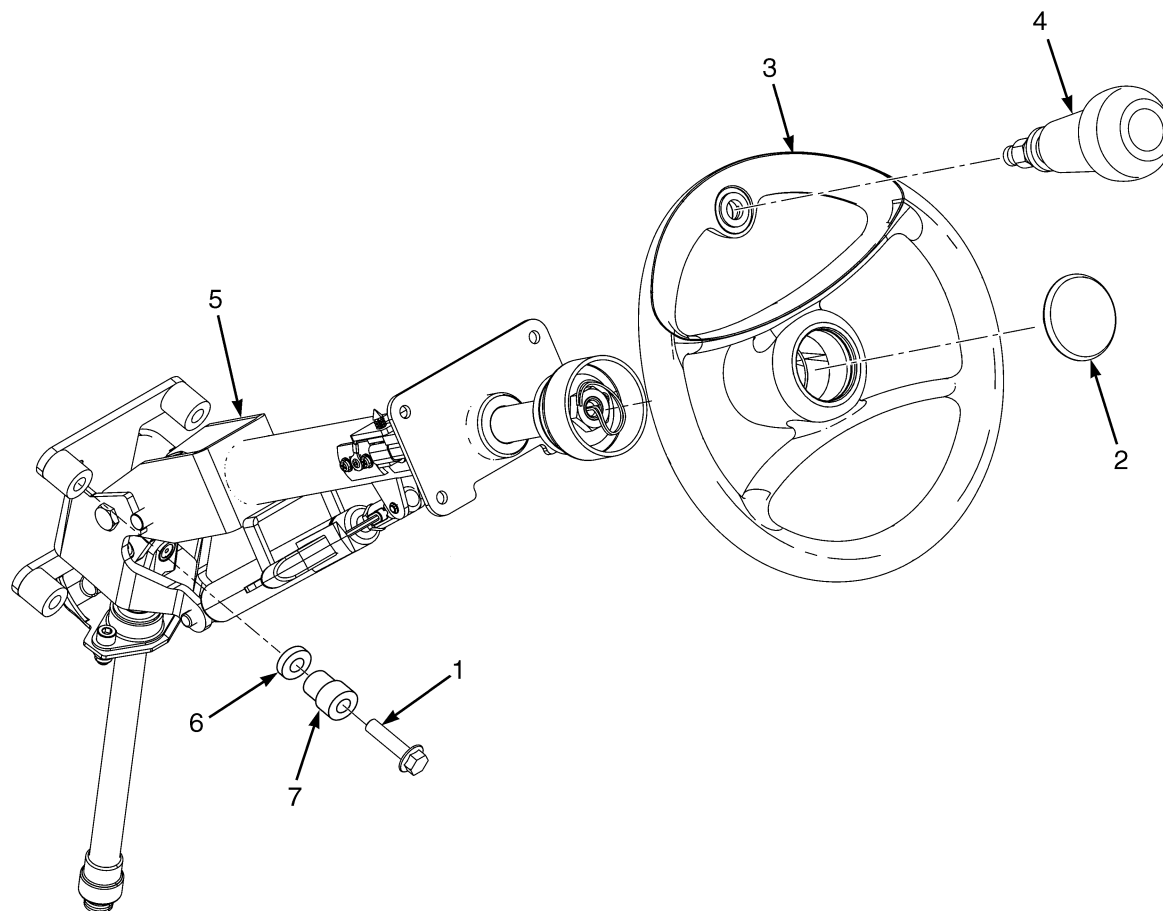
7

STEERING SYSTEM

SECTION 7

STEERING SYSTEM

DESCRIPTION	PAGE
STEER AXLE	7-10
STEER CONTROL UNIT.....	7-6
STEER CYLINDER	7-14
STEER TIRE AND WHEEL	7-16
STEERING COLUMN AND ATTACHING PARTS.....	7-2
STEERING COLUMN ASSEMBLY.....	7-4
STEERING LINES.....	7-8

STEERING COLUMN AND ATTACHING PARTS (Figure 7-1)

HP220446

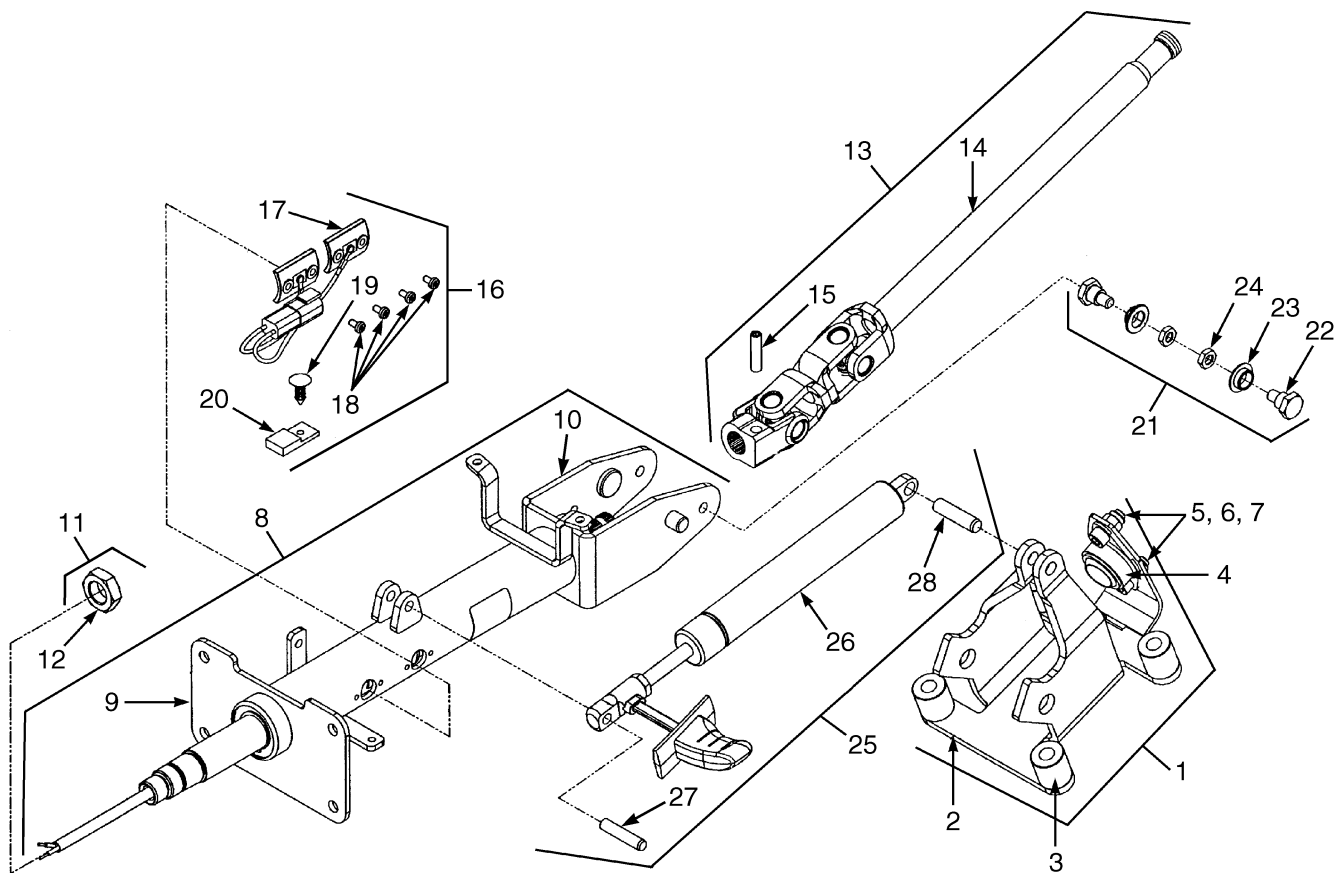
STEERING COLUMN AND ATTACHING PARTS

ITEM	PART NO.	DESCRIPTION	QTY
1	1512403	Capscrew.....	4
2	b 1450503	Horn Button	1
3	1551839	Steering Wheel (Without Spinner Knob)	1
3	1531563	Steering Wheel (With Spinner Knob) (With Spinner).....	1
4	1586109	Spinner Knob.....	1
5	c 1544566	Steering Column Assembly (Gasoline and LPG) (☞ Figure 7-2)	1
5	d 1640589	Steering Column Assembly (Gasoline and LPG) (☞ Figure 7-2)	1
5	c 1606891	Steering Column Assembly (Diesel) (☞ Figure 7-2)	1
5	d 1640590	Steering Column Assembly (Diesel) (☞ Figure 7-2)	1
6	a 2079369	Isolator.....	8
7	a 1606750	Spacer	4

FOOTNOTES:

- a** For Vehicles With Diesel Engines Only
- b** Service with Horn Replacemet Kit 1642089
- c** ⇒ D/B 02/2007
- d** D/B 02/2007 ⇒

STEERING COLUMN ASSEMBLY (Figure 7-2)

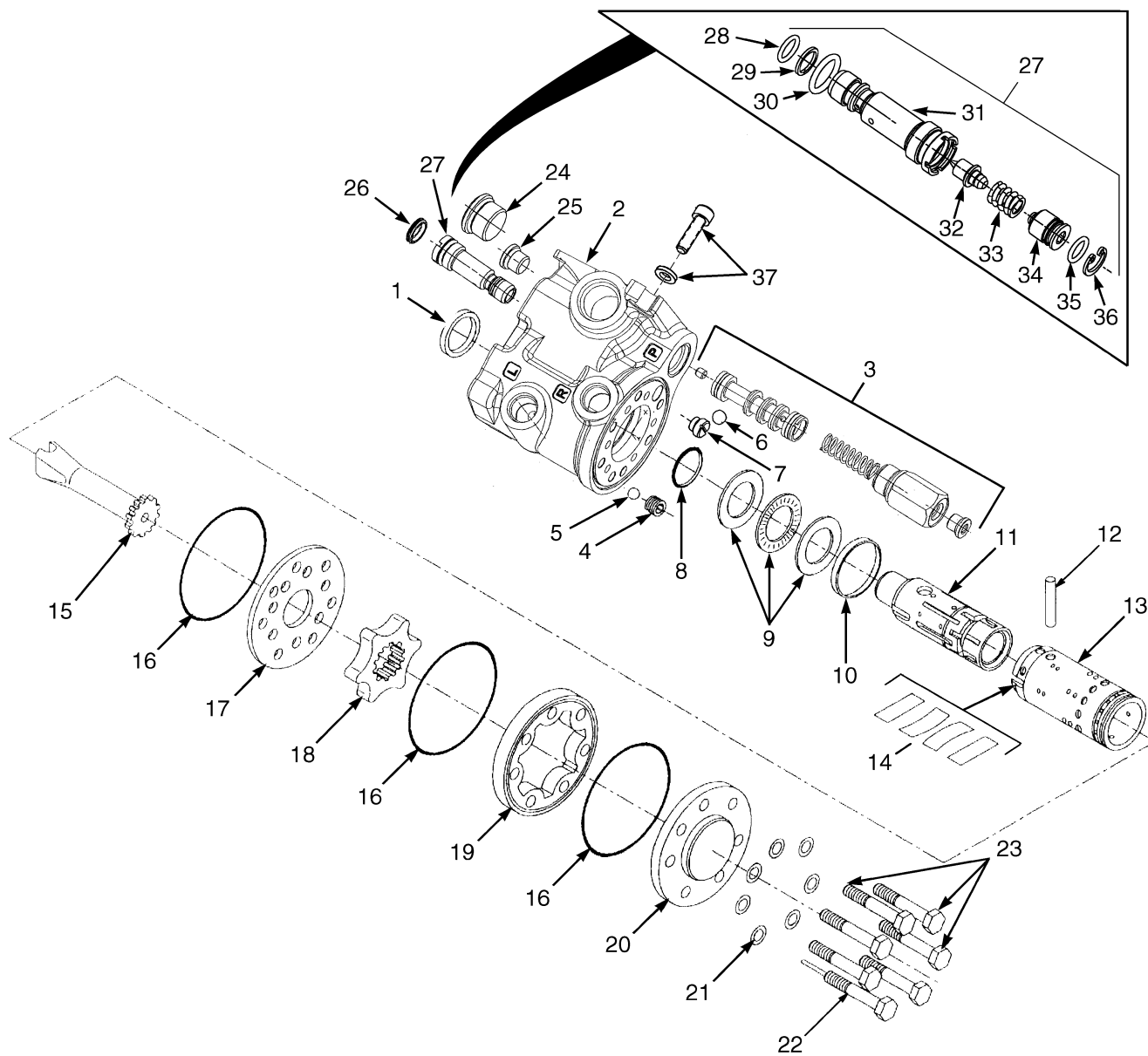


HP220445

STEERING COLUMN ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY
	1544566	Steering Column Assembly (Gasoline and LPG).....	1
	1606891	Steering Column Assembly (Diesel)	1
1	1562509	Support Kit	1
2	.....	Support	1
3	.....	Spacer.....	4
4	.....	Joint	1
5	.....	Nut	2
6	.....	Washer.....	2
7	.....	Screw	2
8	1562489	Shaft Kit (Upper).....	1
9	.....	Shaft Assembly (Upper).....	1
10	.....	Housing Assembly	1
11	1562492	Nut Kit.....	1
12	.....	Nut	2
13	1562493	Shaft Kit (Lower).....	1
14	.....	Shaft Assembly (Lower).....	1
15	.....	Pin.....	1
16	1562496	Contact Kit.....	1
17	.....	Contact Assembly (Horn).....	1
18	.....	Screw	4
19	.....	Fastener	1
20	.....	Connector	1
21	1562501	Pivot Kit (Lower)	1
22	.....	Bolt (Pivot).....	2
23	.....	Bushing	2
24	.....	Nut	2
25	1562505	Gas Spring Kit	1
26	.....	Gas Spring.....	1
27	.....	Pin.....	1
28	.....	Pin.....	1

STEER CONTROL UNIT (Figure 7-3)

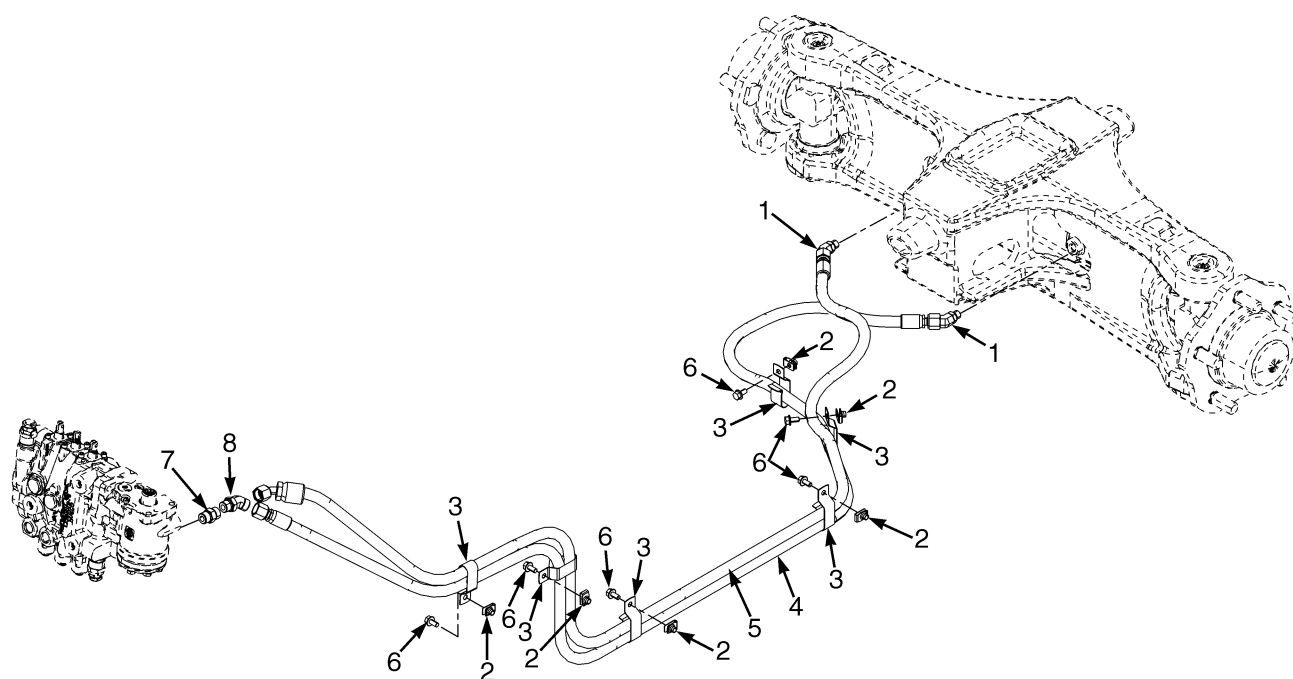


BP220056

STEER CONTROL UNIT

ITEM	PART NO.	DESCRIPTION	QTY
	2063122	Steering Control Unit (200cc)	1
1		Dust Seal	1
2		Housing	1
3		Relief Valve	1
4		Bushing	1
5		Check Ball	1
6		Check Ball	1
7		Seat	1
8		O-Ring	1
9		Bearing Set	1
10		Ring	1
11		Spool	1
12		Pin	1
13		Sleeve	1
14		Spring Set	1
15		Shaft	1
16		O-Ring	3
17		Plate	1
18		Gear Set	1
19		Gear Ring	1
20		Cover	1
21		Washer	7
22		Special Screw	2
23		Capscrew	5
24		Priority Valve Plug	1
25		Diagnostic Plug (Supply Pressure)	1
26		Cap	1
27		System Relief Valve	1
28		O-Ring	1
29		Back-Up Ring	1
30		O-Ring	1
31		Cartridge	1
32		Seat	1
33		Spring	1
34		Plug	1
35		Anti-Tamper Ring	1
36		Snap Ring	1
37	1581858	Steering Control Unit Bolt Kit	1
	1579908	Seal Kit (Includes Items 1, 8, 16, 21, 28-30, 34)	1

STEERING LINES (Figure 7-4)



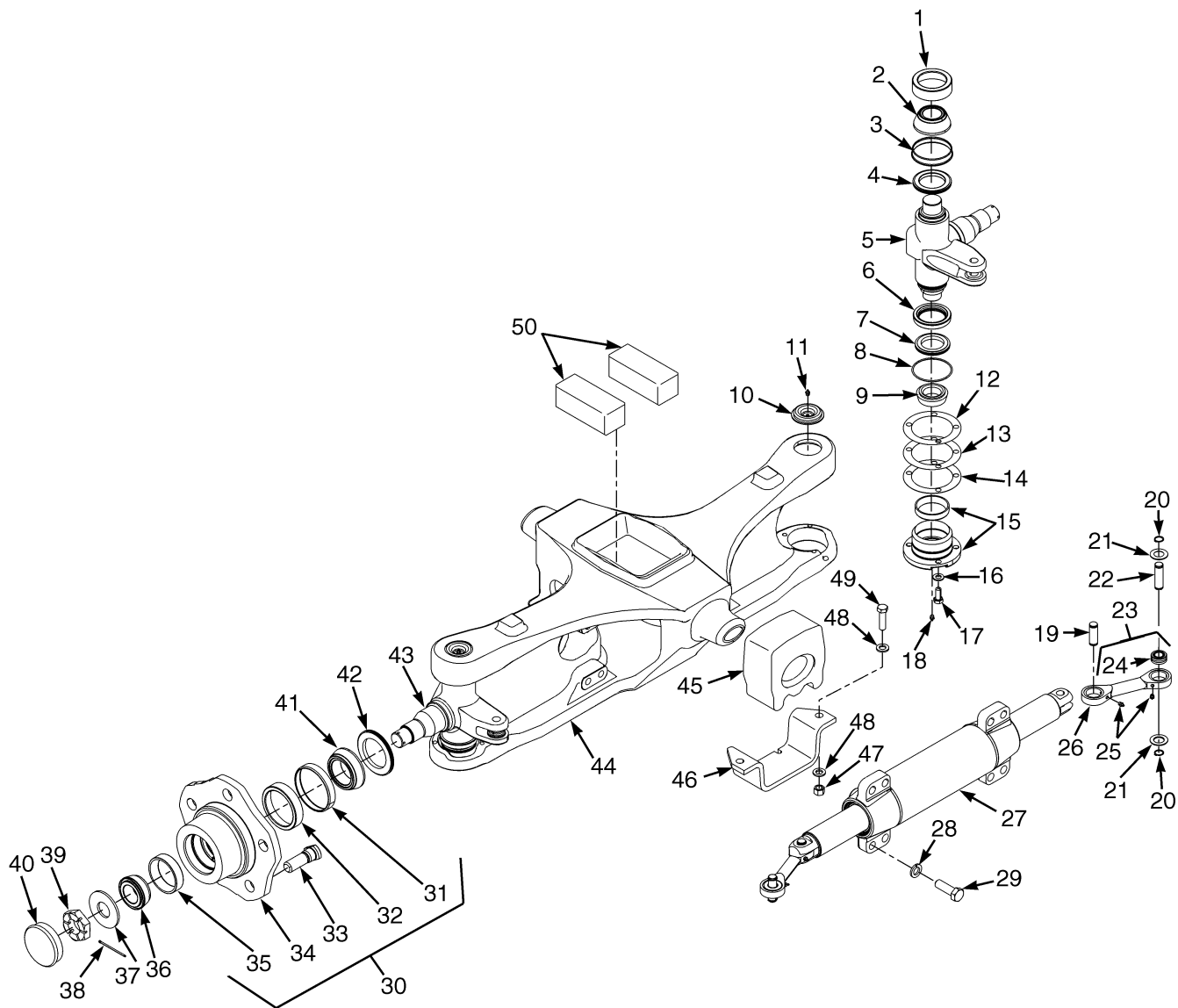
BP220088

STEERING LINES

ITEM	PART NO.	DESCRIPTION	QTY
1	1516203	Fitting.....	2
1	265731	O-Ring.....	1
1	16483	O-Ring.....	1
2	1480237	Clip Nut.....	6
3	1544157	Clamp.....	6
4	b 2074032	Hose.....	1
4	a 2074031	Hose.....	1
5	b 2089028	Hose.....	1
5	a 2089027	Hose.....	1
6	1527879	Capscrew.....	6
7	1473887	Fitting.....	1
7	265731	O-Ring.....	1
7	16484	O-Ring.....	2
8	1516202	Fitting.....	1
8	265731	O-Ring.....	1
8	16484	O-Ring.....	1

FOOTNOTES:**a** H100-120FT**b** H80-90FT

STEER AXLE (Figure 7-5)



BP220086

STEER AXLE

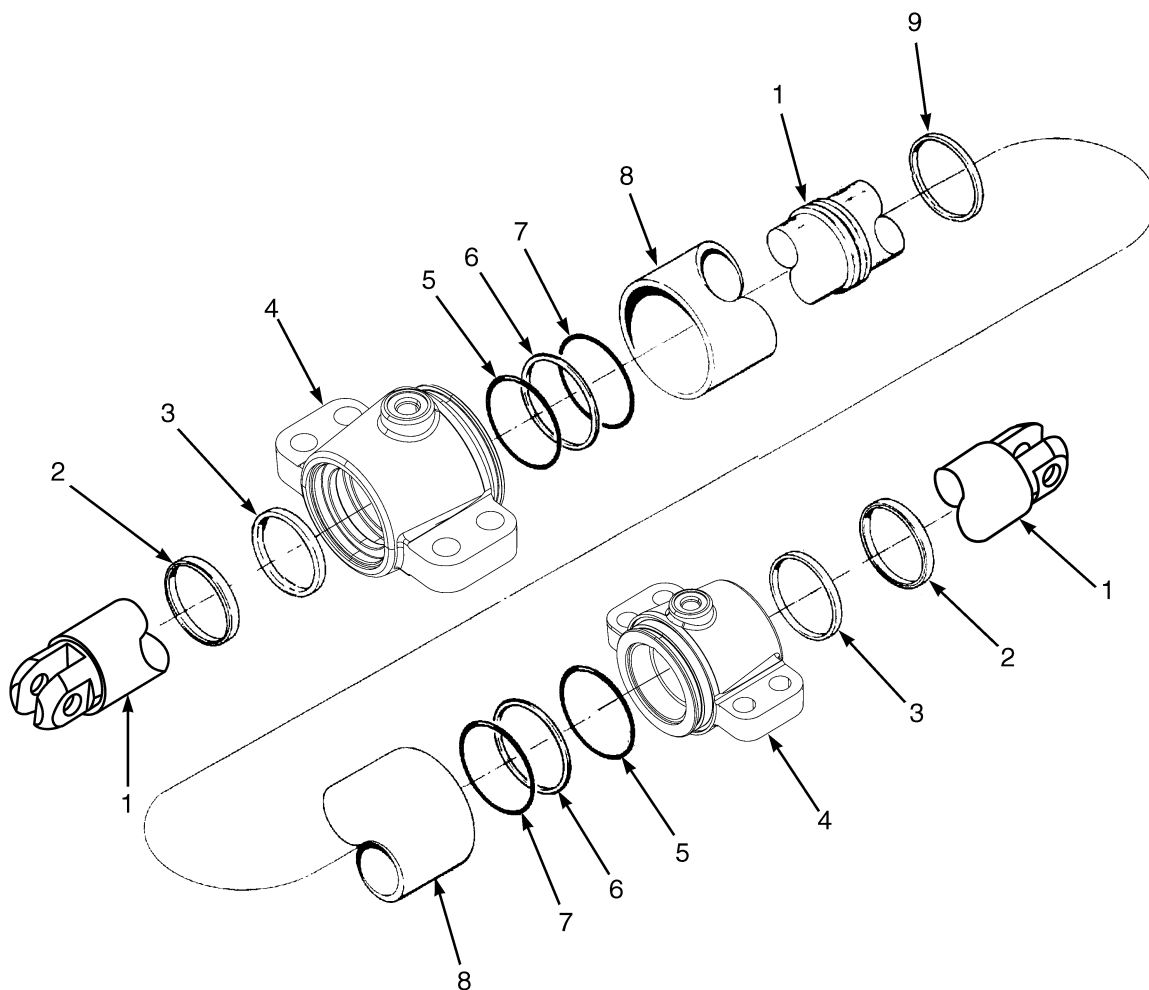
ITEM	PART NO.	DESCRIPTION	QTY
1	230421	Bearing Cup.....	2
2	153715	Bearing Cone.....	2
3	153717	Wear Sleeve	2
4	153716	Seal	2
5	1540854	Spindle (RH)	1
6	266733	Seal	2
7	266728	Seal	2
8	39678	O-Ring	2
9	135657	Bearing Cone.....	2
10	1388829	Cap	2
11	185860	Plug	1
12	1388846	Shim (0.005 in.)	2
13	1388847	Shim (0.007 in.)	2
14	1388848	Shim (0.020 in.)	4
15	1394554	Bearing Cap Assembly	2
15	135658	Bearing Cup	1
15	1394552	Bearing Cap	1
16	296420	Washer	6
17	293628	Capscrew.....	6
18	13957	Lube Fitting	4
19	1568271	Pin	2
20	58903	Snap Ring.....	8
21	1345684	Seal	8
22	1568272	Pin	2
23	1568079	Tie Rod Assembly.....	2
24	1568039	Bearing	2
25	13957	Lube Fitting.....	2
26	1334293	Tie Rod.....	1
27	2085232	Steer Cylinder (☞ Figure 7-6)	1
28	293686	Capscrew.....	8
29	292685	Lockwasher.....	8
30	1614849	Hub Assembly.....	2
31	164639	Wear Sleeve	1
32	30147	Bearing Cup	1
33	1393348	Stud.....	5
34	1614850	Hub.....	1
35	30019	Bearing Cup	1
36	30289	Bearing Cone.....	2
37	1388832	Washer	2
38	15229	Cotter Pin.....	2
39	1383777	Nut	2
40	69029	Hub Cap	2
41	230315	Bearing Cone.....	2
42	44542	Oil Seal	2
43	1540856	Spindle (LH).....	1
44	1540852	Steer Axle Frame	1
45	1525354	Mount.....	2
46	1543254	Plate	2
47	300937	Locknut	4
48	320161	Washer	8

STEER AXLE

ITEM	PART NO.	DESCRIPTION	QTY
49	293648	Capscrew.....	4
50	352205	Mount.....	2

[illegible]

STEER CYLINDER (Figure 7-6)

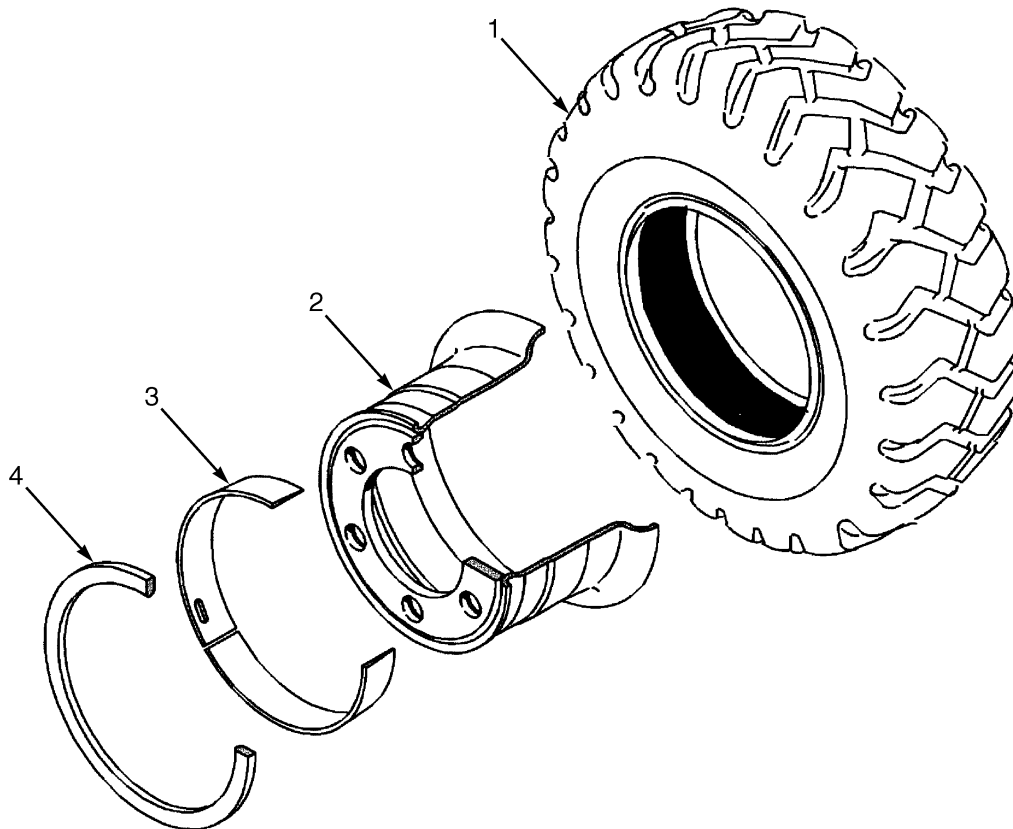


BP220087

STEER CYLINDER

ITEM	PART NO.	DESCRIPTION	QTY
	2085232	Steer Cylinder.....	1
1	1557662	Piston Rod.....	1
2	2071094	Rod Wiper	2
3	1380092	Rod Seal.....	2
4	1557651	Cap.....	2
5	39713	O-Ring	2
6	270015	Back-Up Ring	2
7	79981	O-Ring	2
8	352199	Shell	1
9	2047829	Seal	1
	1586427	Seal Kit (Includes Items 2-3, 5-7, 9)	1

STEER TIRE AND WHEEL (Figure 7-7)



BP070041

KEY:

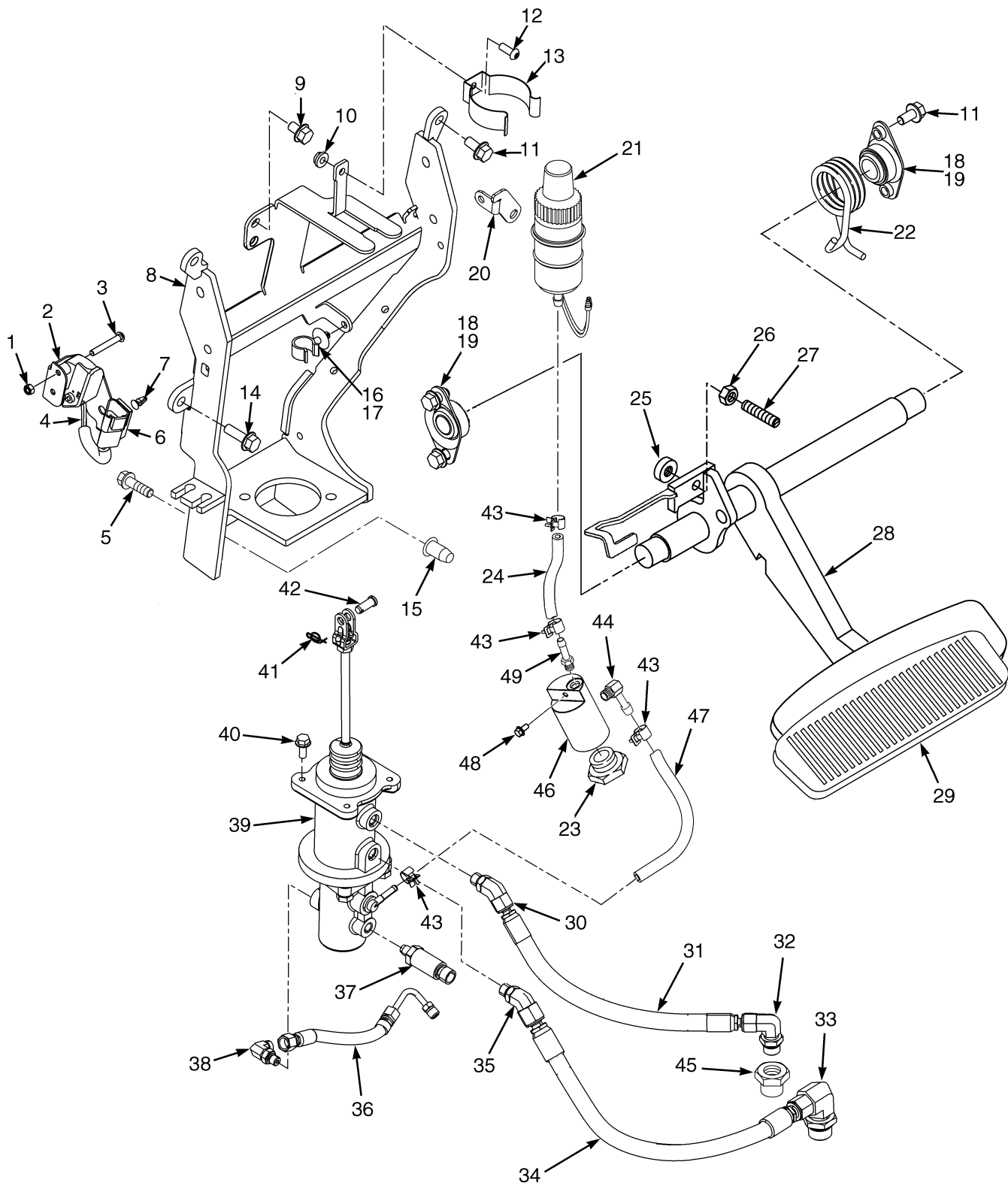
- A:** 7.00 x 12-14PR
B: 7.00 x 12 Solid Pneumatic
C: 7.00 R12 Radial

ITEM	PART NO.	DESCRIPTION	QTY		
			A	B	C
1	1543060	Tire (Trell)	2	..	..
1	1654009	Tire (Monarch)	..	2	..
1	1471829	Tire Assembly (Michelin XZM)	..	..	2
1	1358179	Tire	..	..	1
1	1471591	Tubeless Bead Seal	..	..	1
1	1471922	Bead Seal Valve	..	..	1
2	2083543	Wheel Assembly	2	2	2
3	1637917	Side Ring	1	1	1
4	1637918	Lock Ring	1	1	1

SECTION 8 BRAKE SYSTEM

DESCRIPTION	PAGE
BRAKE ASSEMBLY	
H100-120FT	
DRY BRAKE	8-20
H80-90FT	
DRY BRAKE	8-18
BRAKE COOLING SYSTEM	
SINGLE AND DUAL PEDAL	
WET BRAKE	8-26
BRAKE LINKAGE	
DUAL PEDAL	
DRY BRAKE	8-6
DUAL PEDALS	
WET BRAKE	8-14
SINGLE PEDAL	
DRY BRAKE	8-2
WET BRAKE	8-10
MASTER CYLINDER	8-24
PARK BRAKE ASSEMBLY	8-22

BRAKE LINKAGE (Figure 8-1) SINGLE PEDAL DRY BRAKE



BP040053

**BRAKE LINKAGE
SINGLE PEDAL
DRY BRAKE**

ITEM	PART NO.	DESCRIPTION	QTY
1	302398	Nut	2
2	1531567	Bracket (Inching Sensor)	1
3	1553897	Capscrew	2
4	1547849	Sensor	1
5	1586627	Capscrew	2
6	1500912	Clip	1
7	1564526	Clip (Key Hole)	1
8	1623904	Bracket	1
9	1529366	Capscrew	1
10	1514429	Nut (Flange)	1
11	1527879	Capscrew	2
12	1510126	Capscrew (Button Head)	1
13	2021353	Bracket	1
14	1510113	Capscrew	2
15	1530243	Insert	2
16	1543698	Clamp (Swivel)	2
17	1543842	Base (Clamp)	1
18	1585575	Bushing	2
19	2064554	Thread Sealer	AR
20	1594950	Bracket	1
21	1646439	Reservoir	1
21	2077604	Tank and Switch	1
21	c 1646557	Diaphragm	1
21	d 1645381	Diaphragm	1
21	1646397	Cap	1
22	1568075	Spring (RH)	1
23	233683	Fitting	1
23	16487	O-Ring	1
24	2092888	Hose (Upper Brake Feed)	1
25	1556475	Bumper	1
26	239503	Nut	1
27	1534871	Bolt	1
28	1641557	Pedal (H80FT)	1
28	1641555	Pedal (H90-120FT)	1
29	1570298	Rubber Pad	1
30	1516199	Fitting	1
30	265787	O-Ring	1
30	16483	O-Ring	1
31	2091015	Hose	1
32	1487061	Fitting	1
32	16484	O-Ring	1
32	265787	O-Ring	1
33	1487066	Fitting	1
33	265731	O-Ring	1
33	16486	O-Ring	1
34	164289	Hose	1
35	222501	Fitting	1
35	16483	O-Ring	1
36	2074167	Hose (Brake)	1
37	1590033	Transducer	1

BRAKE LINKAGE SINGLE PEDAL DRY BRAKE

ITEM	PART NO.	DESCRIPTION	QTY
38	1487058	Fitting.....	1
38	1527813	O-Ring.....	1
38	16481	O-Ring.....	1
39	e 1573675	Master Cylinder ( Figure 8-8)	1
39	f 2096079	Master Cylinder	1
40	1527880	Capscrew.....	2
41	1351689	Cotter Pin.....	1
42	1375391	Pin (Rod End).....	1
43	166857	Clamp	4
43	b 168718	Clamp (Worm Screw)	4
44	222509	Fitting.....	1
44	16481	O-Ring	1
45	77186	Fitting.....	1
45	16487	O-Ring.....	1
46	2092613	Manifold	1
47	117989	Hose	1
48	1527876	Capscrew.....	1
49	222491	Fitting.....	1
49	16481	O-Ring.....	1
	a 2093224	Label (Brake Fluid Warning)	1
	a 114312	Strap Clamp.....	1

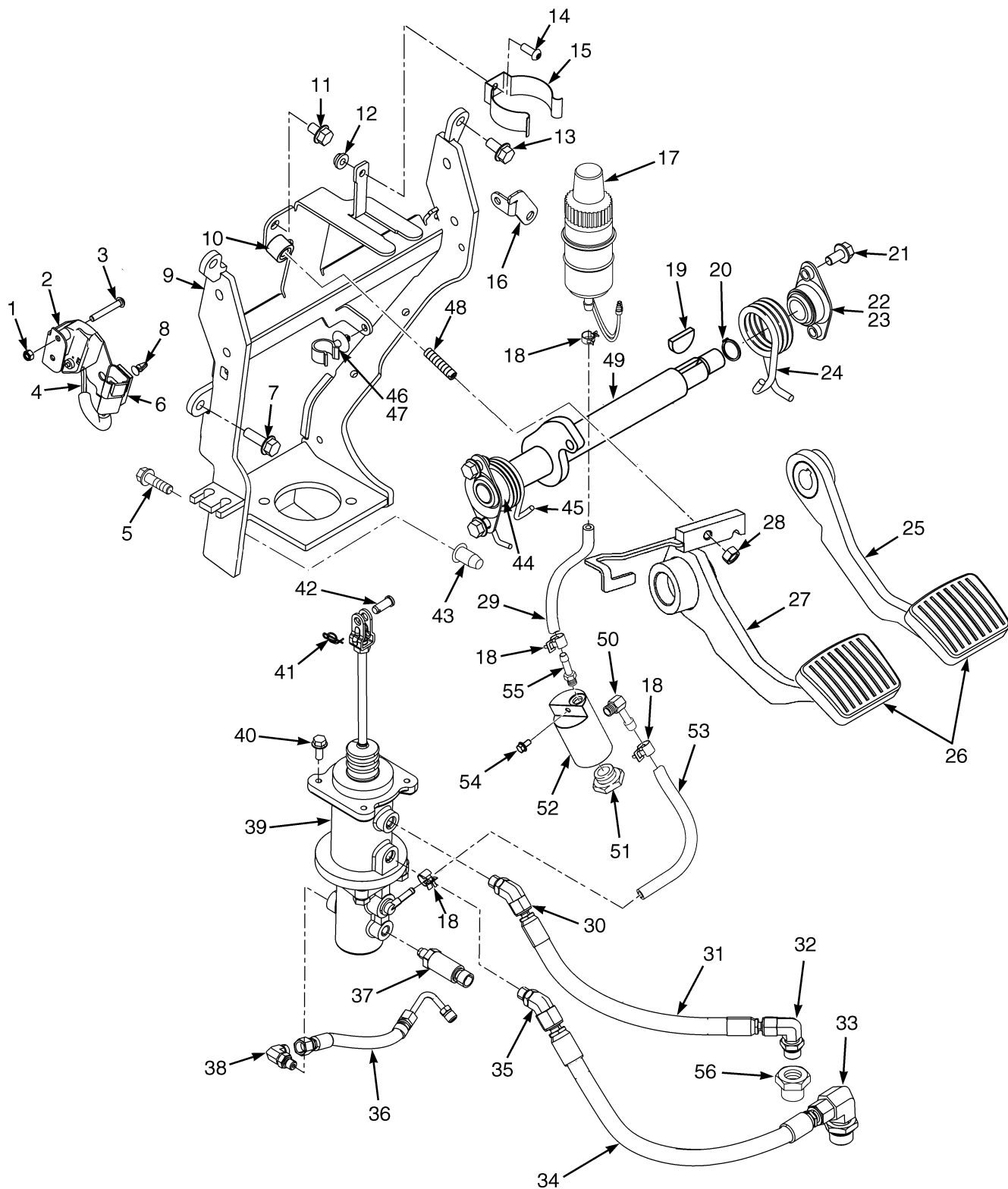
FOOTNOTES:

- a** Not Illustrated
- b** Optional
- c** ⇒ S/N N005V01760D
- d** S/N N005V01761D ⇒
- e** ⇒ PENDING PER ECN 10413728
- f** PENDING PER ECN 10413728 ⇒

[illegible]

BRAKE LINKAGE (Figure 8-2)

DUAL PEDAL DRY BRAKE



BP040054

**BRAKE LINKAGE
DUAL PEDAL
DRY BRAKE**

ITEM	PART NO.	DESCRIPTION	QTY
1	302398	Nut	2
2	1531567	Bracket (Inching Sensor)	1
3	1553897	Capscrew	2
4	1547849	Sensor	1
5	1586627	Capscrew	2
6	1500912	Clip (Connector)	1
7	1510113	Capscrew	2
8	1564526	Clip (Key Hole) (Key Hole)	1
9	1623904	Bracket	1
10	1556475	Bumper	1
11	1529366	Capscrew	1
12	1514429	Nut (Flange)	1
13	1527879	Capscrew	6
14	1510126	Capscrew (Button Head)	1
15	2021353	Bracket	1
16	1594950	Bracket	1
17	1646439	Reservoir	1
17	2077604	Tank and Switch	1
17	c 1646557	Diaphragm	1
17	d 1645381	Diaphragm	1
17	1646397	Cap	1
18	166857	Clamp	4
18	b 168718	Clamp (Worm Screw)	4
19	206	Woodruff Key	1
20	12929	Snap Ring	1
21	2073192	Hose (Brake)	1
22	1585575	Bushing	2
23	2064554	Thread Sealer	AR
24	1568076	Spring (RH)	1
25	1568256	Brake Pedal (RH)	1
26	1570300	Pad	2
27	1639801	Brake Pedal (LH)	1
28	239503	Nut	1
29	2092888	Hose (Upper Brake Feed)	1
30	1516199	Fitting	1
30	265787	O-Ring	1
30	16483	O-Ring	1
31	2091015	Hose	1
32	1487061	Fitting	1
32	16484	O-Ring	1
32	265787	O-Ring	1
33	1487066	Fitting	1
33	16486	O-Ring	1
33	265731	O-Ring	1
34	164289	Hose	1
35	222501	Fitting	1
35	16483	O-Ring	1
36	2074167	Hose	1
37	1590033	Transducer	1
38	1487058	Fitting	1

BRAKE LINKAGE DUAL PEDAL DRY BRAKE

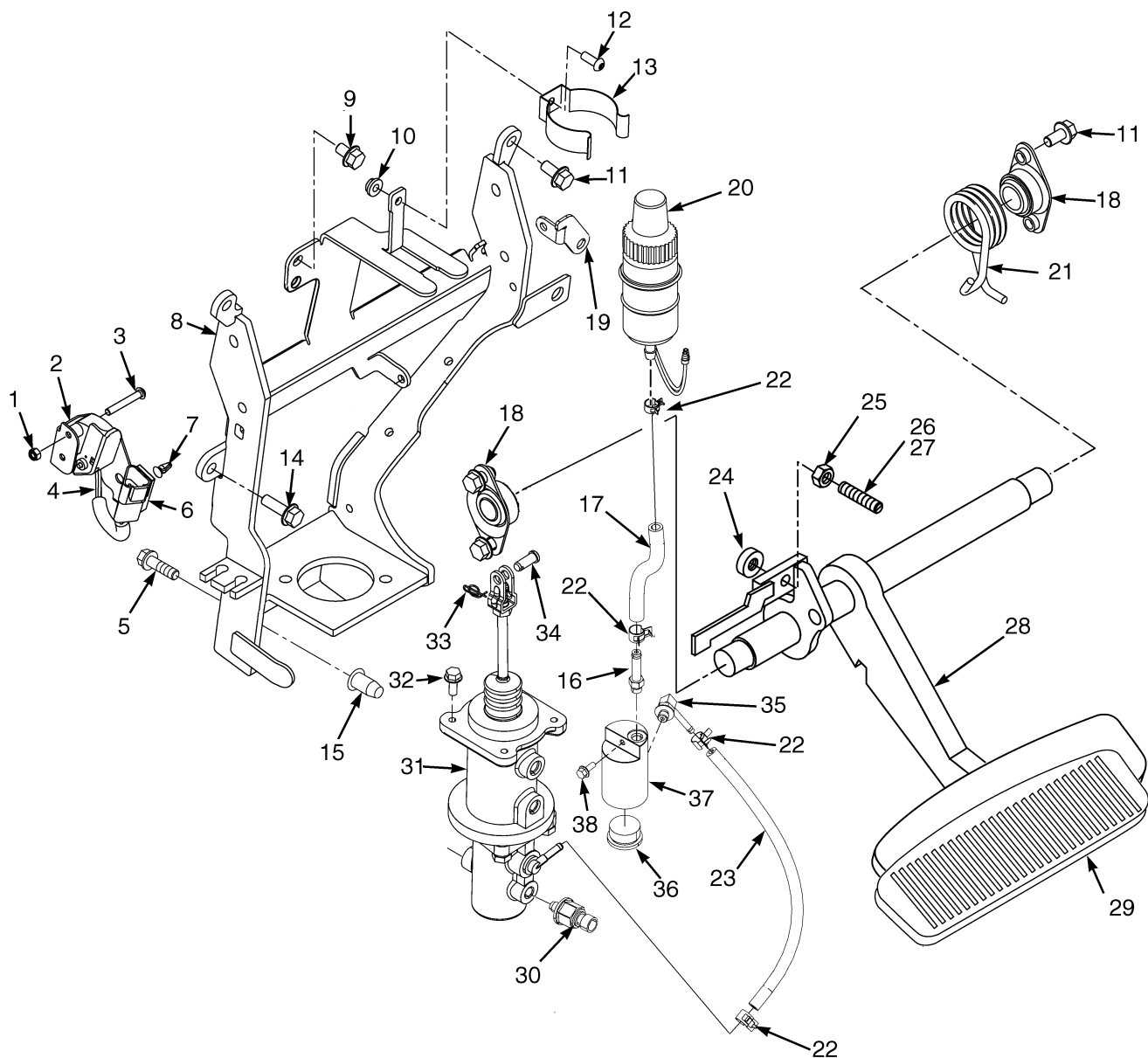
ITEM	PART NO.	DESCRIPTION	QTY
38	1527813	O-Ring	1
38	16481	O-Ring	1
39	e 1573675	Master Cylinder (Ⓔ Figure 8-8)	1
39	1596173	Seal	1
39	f 2096079	Master Cylinder	1
40	1527880	Capscrew	2
41	1351689	Cotter Pin	1
42	1375391	Pin (Rod End)	1
43	1530243	Insert	2
44	244540	Bushing	2
45	1568077	Spring (LH)	1
46	1543842	Base (Clamp)	1
47	1543698	Clamp (Swivel)	1
48	1534871	Bolt	1
49	1568253	Crank (H90-120FT)	1
49	1581193	Crank (H80FT)	1
50	222509	Fitting	1
50	16481	O-Ring	1
51	233683	Fitting	1
51	16487	O-Ring	1
52	2092613	Manifold	1
53	117989	Hose	1
54	1527876	Capscrew	1
55	222491	Fitting	1
55	16481	O-Ring	1
56	77186	Fitting	1
56	16487	O-Ring	1
	a 2093224	Label (Brake Fluid Warning)	1
	a 114312	Strap Clamp	1

FOOTNOTES:

- a** Not Illustrated
- b** Optional
- c** ⇒ S/N N005V01760D
- d** S/N N005V01761D ⇒
- e** ⇒ PENDING PER ECN 10413728
- f** PENDING PER ECN 10413728 ⇒

[illegible]

BRAKE LINKAGE (Figure 8-3) SINGLE PEDAL WET BRAKE



BP040082

**BRAKE LINKAGE
SINGLE PEDAL
WET BRAKE**

ITEM	PART NO.	DESCRIPTION	QTY
1	302398	Nut	2
2	1531567	Bracket (Inching Sensor)	1
3	1553897	Capscrew	2
4	1547849	Sensor	1
5	1586627	Capscrew	2
6	1500912	Clip	1
7	1564526	Clip (Key Hole)	1
8	1623904	Bracket	1
9	1529366	Capscrew	1
10	1514429	Nut (Flange)	1
11	1527879	Capscrew	6
12	1510126	Capscrew (Button Head)	1
13	2021353	Bracket	1
14	1583611	Capscrew	2
15	1530243	Insert	2
16	222491	Fitting	1
16	16481	O-Ring	1
17	2092888	Hose	1
18	1585575	Bushing	2
19	1594950	Bracket	1
20	1646439	Reservoir	1
20	2077604	Tank and Switch	1
20	c 1646557	Diaphragm	1
20	d 1645381	Diaphragm	1
20	1646397	Cap	1
21	1568075	Spring (RH)	1
22	166857	Clamp	4
22	b 168718	Clamp (Worm Screw)	4
23	117989	Hose (Brake Feed)	1
24	1556475	Bumper	1
25	239503	Nut	1
26	1534871	Bolt	1
27	2064554	Thread Sealer	AR
28	1641556	Pedal	1
29	1570298	Rubber Pad	1
30	1590033	Transducer	1
31	1569527	Master Cylinder (☞ Figure 8-8)	1
32	1527880	Capscrew	4
33	1351689	Cotter Pin	1
34	1375391	Pin (Rod End)	1
35	222509	Fitting	1
35	16481	O-Ring	1
36	233683	Fitting	1
36	16487	O-Ring	1
37	2092613	Manifold	1
38	1527876	Capscrew	1

**BRAKE LINKAGE
SINGLE PEDAL
WET BRAKE**

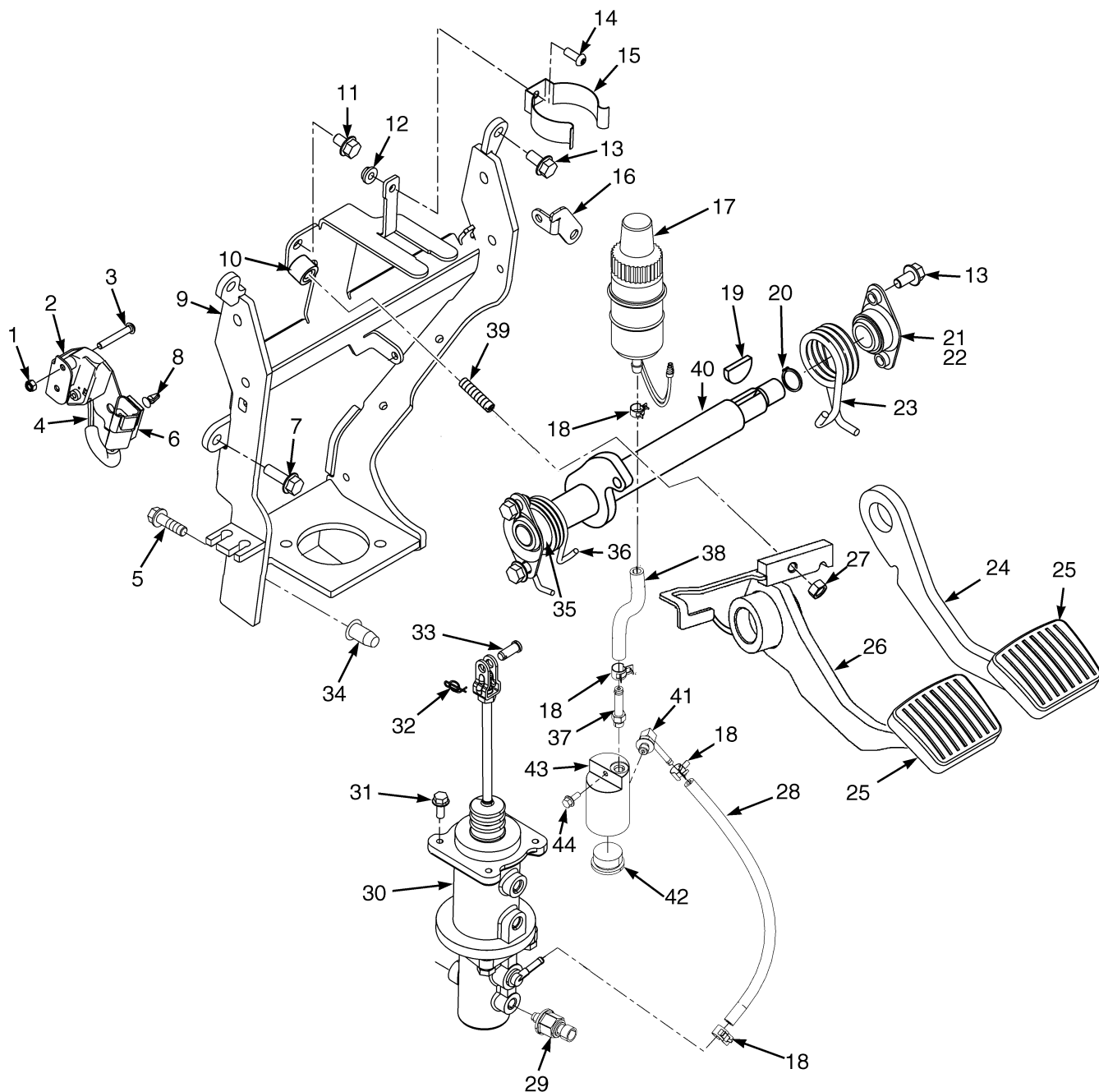
ITEM	PART NO.	DESCRIPTION	QTY
	a 2093224	Label (Brake Fluid Warning)	1
	a 114312	Strap Clamp.....	1

FOOTNOTES:

- a** Not Illustrated
b Optional
c ⇒ S/N N005V01760D
d S/N N005V01761D ⇒

[illegible]

BRAKE LINKAGE (Figure 8-4) DUAL PEDALS WET BRAKE



BP040083

**BRAKE LINKAGE
DUAL PEDALS
WET BRAKE**

ITEM	PART NO.	DESCRIPTION	QTY
1	302398	Nut	2
2	1531567	Bracket (Inching Sensor)	1
3	1553897	Capscrew	2
4	1547849	Sensor	1
5	1586627	Capscrew	2
6	1500912	Clip (Connector)	1
7	1583611	Capscrew	2
8	1564526	Clip (Key Hole) (Key Hole)	1
9	1623904	Bracket	1
10	1556475	Bumper	1
11	1529366	Capscrew	1
12	1514429	Nut (Flange)	1
13	1527879	Capscrew	6
14	1510126	Capscrew (Button Head)	1
15	2021353	Bracket	1
16	1594950	Bracket	1
17	1646439	Reservoir	1
17	2077604	Tank and Switch	1
17	c 1646557	Diaphragm	1
17	d 1645381	Diaphragm	1
17	1646397	Cap	1
18	166857	Clamp	4
18	b 168718	Clamp (Worm Screw)	4
19	206	Woodruff Key	1
20	12929	Snap Ring	1
21	1585575	Bushing	2
22	2064554	Thread Sealer	AR
23	1568076	Spring (RH)	1
24	1568256	Brake Pedal (RH)	1
25	1570300	Pad	2
26	1639801	Brake Pedal (LH)	1
27	239503	Nut	1
28	117989	Hose (Brake Feed)	1
29	1590033	Transducer	1
30	1569527	Master Cylinder (See Figure 8-8)	1
31	1527880	Capscrew	4
32	1351689	Cotter Pin	1
33	1375391	Pin (Rod End)	1
34	1530243	Insert	2
35	244540	Bushing	2
36	1568077	Spring (LH)	1
37	222491	Fitting	1
37	16481	O-Ring	1
38	2092888	Hose	1
39	1534871	Bolt	1
40	1578922	Crank	1
41	222509	Fitting	1
41	16481	O-Ring	1
42	233683	Fitting	1
42	16487	O-Ring	1

**BRAKE LINKAGE
DUAL PEDALS
WET BRAKE**

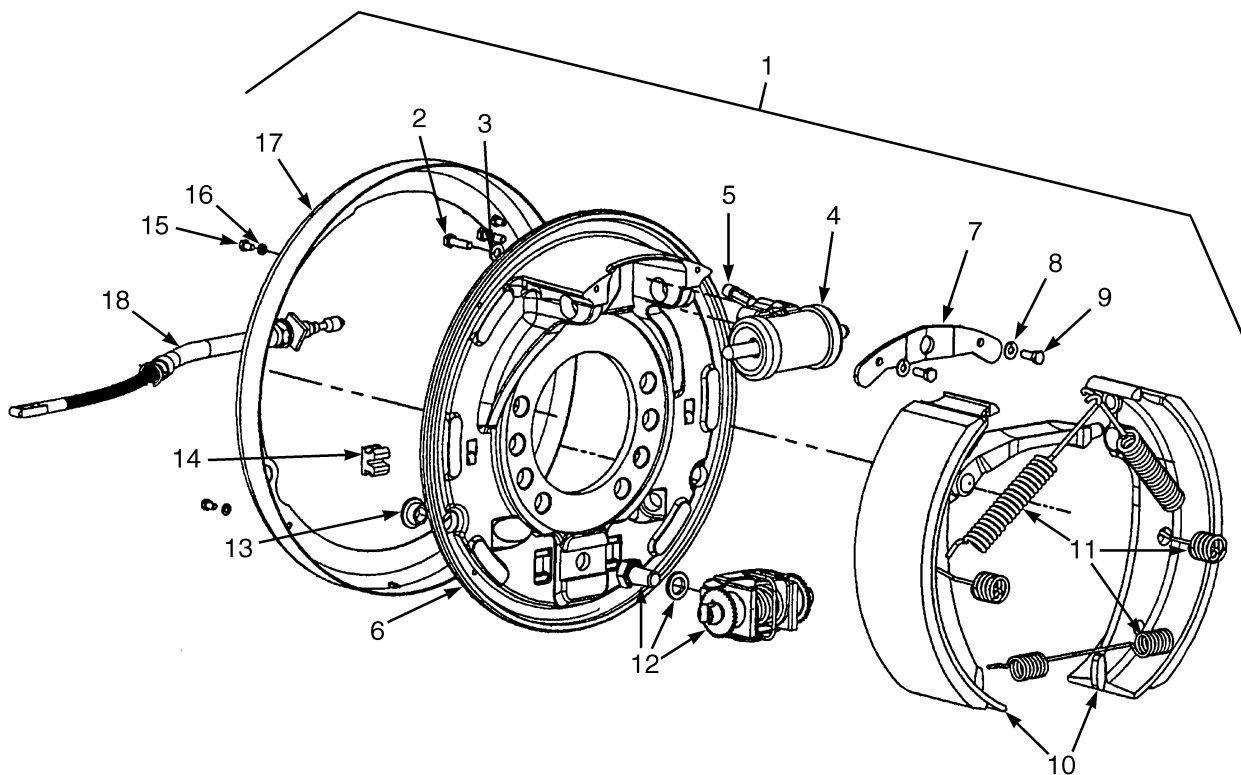
ITEM	PART NO.	DESCRIPTION	QTY
43	2092613	Manifold	1
44	1527876	Capscrew	1
	a 2093224	Label (Brake Fluid Warning)	1
	a 114312	Strap Clamp	1

FOOTNOTES:

- a** Not Illustrated
b Optional
c ⇒ S/N N005V01760D
d S/N N005V01761D ⇒

[illegible]

BRAKE ASSEMBLY (Figure 8-5) H80-90FT DRY BRAKE



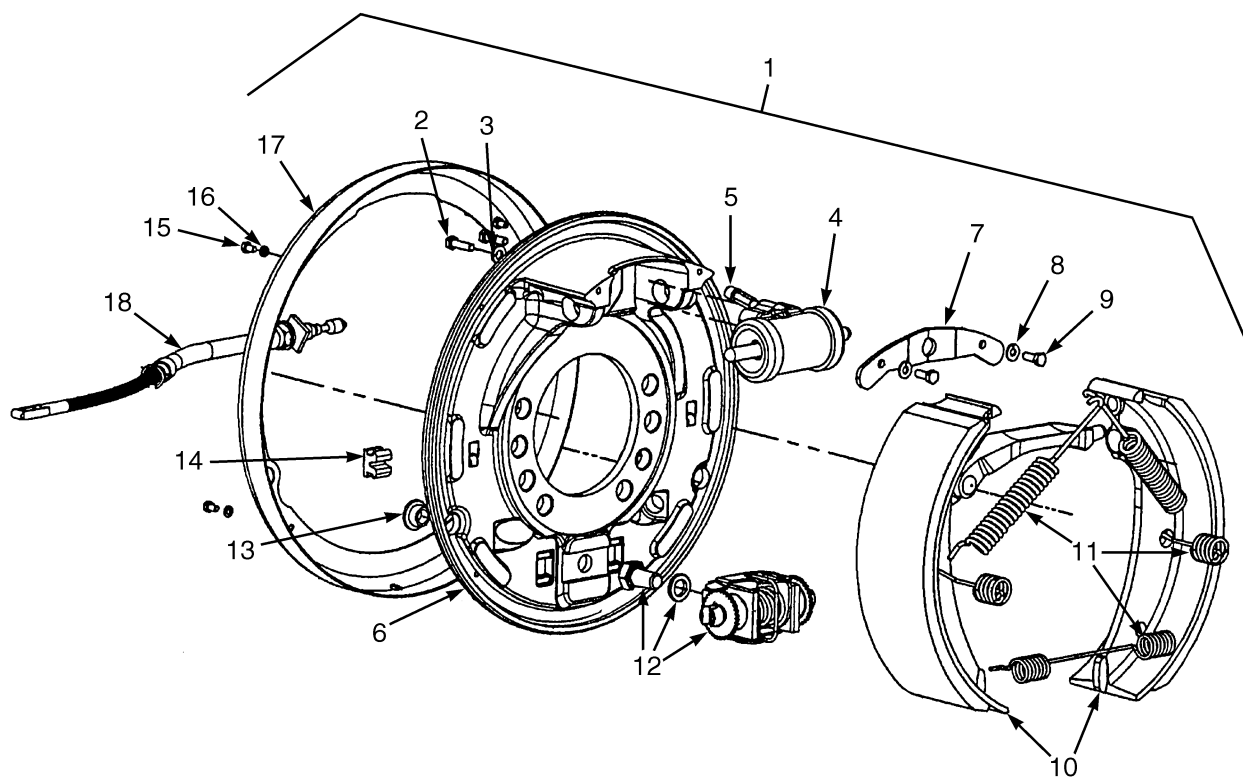
BP040072

**BRAKE ASSEMBLY
H80-90FT
DRY BRAKE****KEY:****A: Left Hand****B: Right Hand**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	a 1633019	Brake and Cable Assembly (LH).....	1	..
	b 1641959	Brake and Cable Assembly (LH).....	1	..
	a 1633020	Brake and Cable Assembly (RH).....	..	1
	b 1641960	Brake and Cable Assembly (RH).....	..	1
1	a 1641758	Brake Assembly (Without Cable).....	1	..
1	b 1643393	Brake Assembly (Without Cable).....	1	..
1	a 1641759	Brake Assembly (Without Cable).....	..	1
1	b 1643394	Brake Assembly (Without Cable).....	..	1
2	1627168	Bolt.....	2	2
3	1627167	Spring Washer	2	2
4	1627118	Wheel Cylinder Kit	1	1
5	.....	Bleeder Valve.....	1	1
6	1627126	Anchor Plate Assembly (LH)	1	..
6	1627127	Anchor Plate Assembly (RH)	..	1
7	.....	Retainer	1	1
8	.....	Bolt.....	2	2
9	292680	Lockwasher.....	2	2
10	a 1627114	Shoe and Lining Kit.....	1	..
10	b 1643387	Shoe and Lining Kit.....	1	..
10	a 1627115	Shoe and Lining Kit.....	..	1
10	b 1643388	Shoe and Lining Kit.....	..	1
11	1627122	Spring Kit	1	1
12	a 1635216	Auto Adjuster Kit	1	1
12	b 1643380	Auto Adjuster Kit	1	1
12	1627140	Adjuster.....	1	1
12	.....	Bolt.....	1	1
12	.....	Washer	2	2
13	.....	Hole Plug	2	2
14	.....	Hole Plug	2	2
15	.....	Bolt.....	2	2
16	.....	Spring Washer	2	2
17	.....	Dust Shield.....	1	1
18	1627151	Park Brake Cable (LH)	1	..
18	1627152	Park Brake Cable (RH).....	..	1

FOOTNOTES:**a** ⇒ PENDING PER ECN 10419123**b** PENDING PER ECN 10419123 ⇒

BRAKE ASSEMBLY (Figure 8-6) H100-120FT DRY BRAKE



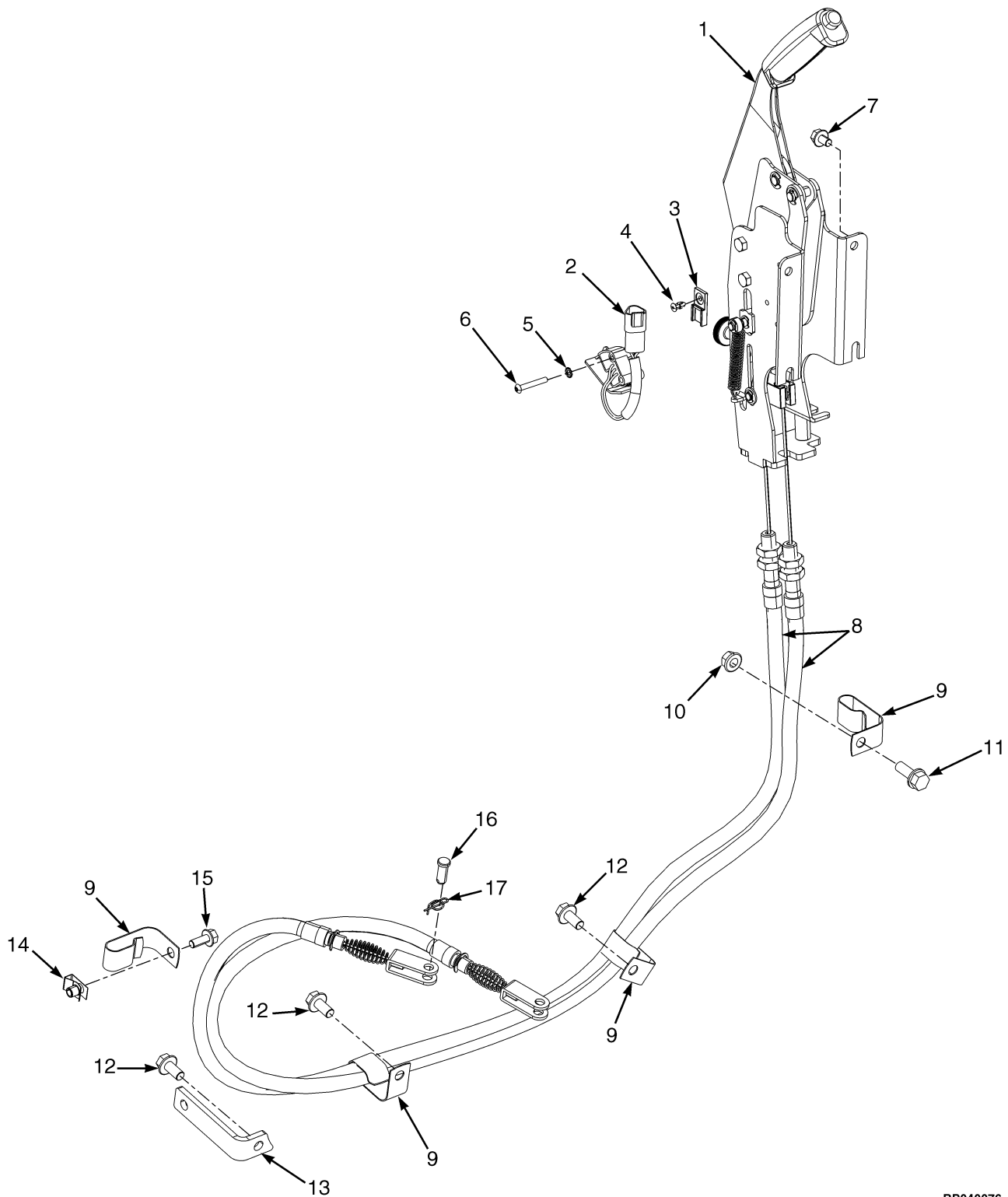
BP040072

**BRAKE ASSEMBLY
H100-120FT
DRY BRAKE****KEY:****A: Left Hand****B: Right Hand**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	a 1633126	Brake and Cable Assembly (LH).....	1	..
	b 1641957	Brake and Cable Assembly (LH).....	1	..
	a 1633127	Brake and Cable Assembly (RH).....	..	1
	b 1641958	Brake and Cable Assembly (RH).....	..	1
1	a 1641754	Brake Assembly (Without Cable).....	1	..
1	b 1643383	Brake Assembly (Without Cable).....	1	..
1	a 1641755	Brake Assembly (Without Cable).....	..	1
1	b 1643384	Brake Assembly (Without Cable).....	..	1
2	1627168	Bolt.....	4	4
3	1627167	Spring Washer	4	4
4	1627119	Wheel Cylinder Kit	1	1
5	.....	Bleeder Valve.....	1	1
6	1627130	Anchor Plate Assembly (LH)	1	..
6	1627131	Anchor Plate Assembly (RH)	..	1
7	.....	Retainer	1	1
8	.....	Bolt.....	2	2
9	292680	Lockwasher.....	2	2
10	a 1627117	Shoe and Lining Kit.....	..	1
10	b 1643379	Shoe and Lining Kit.....	..	1
10	a 1627116	Shoe and Lining Kit.....	1	..
10	b 1643378	Shoe and Lining Kit.....	1	..
11	1627123	Spring Kit	1	1
12	a 1635218	Auto Adjuster Kit	1	1
12	b 1643399	Auto Adjuster Kit	1	1
12	.....	Washer	2	2
12	.....	Bolt.....	1	1
13	.....	Hole Plug	2	2
14	.....	Hole Plug	2	2
15	.....	Bolt.....	2	2
16	.....	Spring Washer	2	2
17	.....	Dust Shield.....	1	1
18	1627151	Park Brake Cable (LH)	1	..
18	1627152	Park Brake Cable (RH).....	..	1

FOOTNOTES:**a** ⇒ PENDING PER ECN 10419123**b** PENDING PER ECN 10419123 ⇒

PARK BRAKE ASSEMBLY (Figure 8-7)



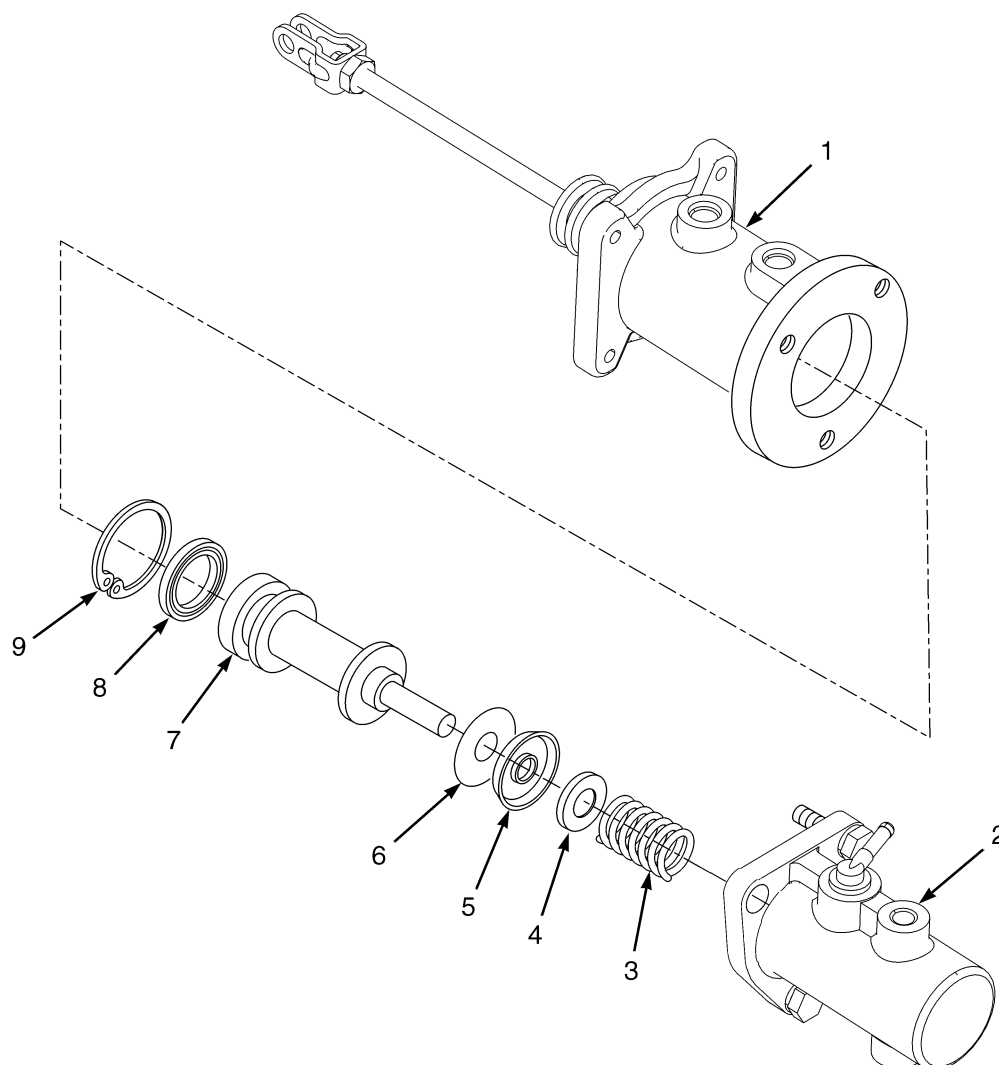
BP040076

PARK BRAKE ASSEMBLY**KEY:****A: With Cab****B: With Overhead Guard**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	1615863	Parking Brake Assembly.....	..	1
	1615741	Parking Brake Assembly.....	1	..
1	1615862	Park Brake Lever	..	1
1	1615740	Park Brake Lever	1	..
2	1547849	Sensor	1	1
3	1500912	Clip	1	1
4	1564526	Clip (Key Hole)	1	1
5	296378	Washer	2	2
6	1553897	Capscrew	2	2
7	1529366	Capscrew.....	4	4
8	a 2092505	Park Brake Cable (LH).....	1	1
8	a 2092506	Park Brake Cable (RH)	1	1
9	a 1637398	Clip	4	4
10	a 1460477	Nut	1	1
11	a 1605990	Capscrew.....	1	1
12	a 1527883	Capscrew.....	3	3
13	a 1637399	Bracket.....	1	1
14	a 203230	Clamp	1	1
15	a 1527880	Capscrew.....	2	2
16	a 1375391	Pin (Rod End)	2	2
17	a 1530010	Cotter Pin.....	2	2

FOOTNOTES:**a** Used with Wet Brake System, for dry brakes see Dry Brake Assembly

MASTER CYLINDER (Figure 8-8)

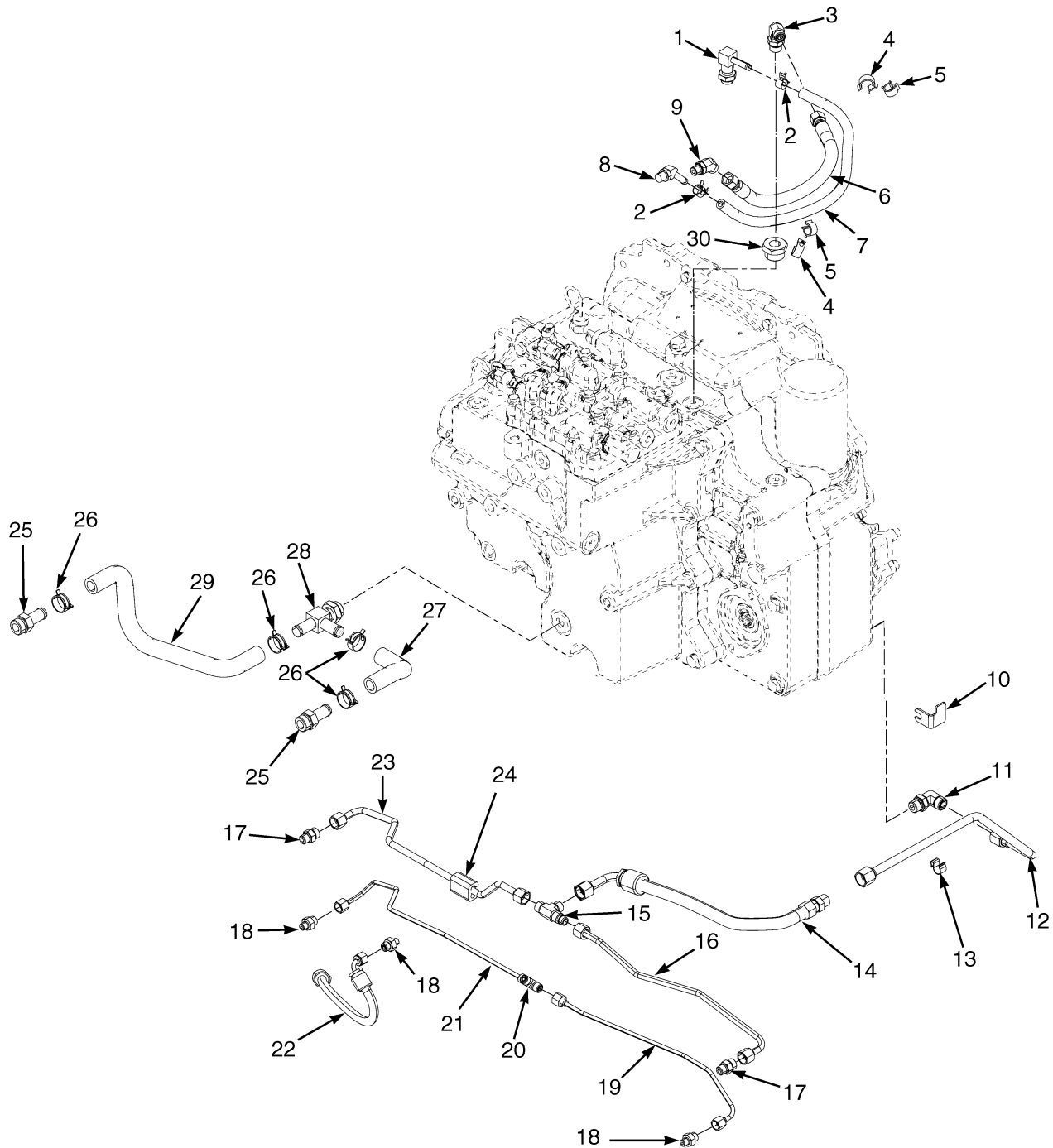


BP040065

ITEM	PART NO.	DESCRIPTION	QTY
	1573675	Master Cylinder (Dry Brake)	1
	1569527	Master Cylinder (Wet Brake)	1
1	.....	Booster	1
2	.....	Housing	1
3	.....	Spring	1
4	.....	Retainer.....	1
5	.....	Seal (Pressure)	1
6	.....	Washer	1
7	.....	Piston	1
8	.....	Seal (Retaining).....	1
9	.....	Snap Ring.....	1
	1596179	Repair Kit (Major) (H80-90FT) (Includes Items 4, 6-7, 9)	1
	1596180	Repair Kit (Minor) (H80-90FT) (Includes Items 3, 5, 8)	1
	1620023	Repair Kit (Major) (H100-120FT) (Includes Items 4, 6-7, 9)	1
	1620024	Repair Kit (Minor) (H100-120FT) (Includes Items 3, 5, 8)	1

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

BRAKE COOLING SYSTEM (Figure 8-9) SINGLE AND DUAL PEDAL WET BRAKE



BP040077

BRAKE COOLING SYSTEM SINGLE AND DUAL PEDAL WET BRAKE

ITEM	PART NO.	DESCRIPTION	QTY
1	1640573	Fitting.....	2
2	1569616	Clamp	2
3	1487061	Fitting.....	2
3	16484	O-Ring	1
3	265787	O-Ring	1
4	1502053	Clamp	2
5	1543698	Clamp (Swivel).....	2
6	2091015	Hose	1
7	164289	Hose	1
8	222501	Fitting.....	1
9	1516199	Fitting.....	1
9	16483	O-Ring	1
9	265787	O-Ring	1
10	1582584	Bracket.....	1
11	1473897	Fitting.....	1
12	2086000	Tube	1
13	1582511	Clip	1
14	2086001	Hose (High Temp).....	1
15	1522425	Fitting.....	1
15	265787	O-Ring	3
16	2090895	Tube	1
17	1486740	Fitting.....	2
18	1486737	Fitting.....	3
19	2091149	Tube	1
20	1522424	Fitting.....	1
20	1527813	O-Ring	3
21	2091515	Tube	1
22	2073768	Hose	1
23	2090894	Tube	1
24	2091513	Block	1
25	17758	Fitting.....	2
26	1502009	Clamp	4
27	2090184	Hose	1
28	1637397	Fitting.....	1
29	2090185	Hose	1
30	77186	Fitting.....	1
30	16487	O-Ring	1

[illegible]

SECTION 9

HYDRAULIC SYSTEM

DESCRIPTION	PAGE
AUXILIARY ONE AND TWO MANUAL CONTROL VALVE THREE AND FOUR FUNCTION	9-20
AUXILIARY ONE SECTION ELECTRONIC CONTROL THREE AND FOUR FUNCTION	9-34
AUXILIARY TWO SECTION ELECTRONIC CONTROL FOUR FUNCTION	9-36
CONTROL VALVE ASSEMBLY ELECTRONIC CONTROL FOUR FUNCTION	9-26
THREE FUNCTION	9-24
MANUAL CONTROL VALVE THREE AND FOUR FUNCTION	9-16
ELECTRO HYDRAULIC POPPET VALVE THREE AND FOUR FUNCTION	9-32
GEAR PUMP	9-6
HAND LEVERS FOUR FUNCTION WITH DETENTED LEVERS	9-12
WITHOUT DETENTED LEVERS	9-14
THREE FUNCTION WITH DETENTED LEVERS	9-8
WITHOUT DETENTED LEVERS	9-10
HYDRAULIC FILTER	9-4
HYDRAULIC SUPPLY AND RETURN	9-2
OUTLET SECTION ELECTRONIC CONTROL THREE AND FOUR FUNCTION	9-38
MANUAL CONTROL VALVE	9-22
TILT AND AUXILIARY HOSES	9-44
TILT CYLINDER AND MAST INSTALLATION	9-40
TILT CYLINDERS	9-42
TILT SECTION ELECTRONIC CONTROL THREE AND FOUR FUNCTION	9-30
VALVE ASSEMBLY, LIFT AND LOWER ELECTRONIC CONTROL VALVE THREE AND FOUR FUNCTION	9-28
VALVE ASSEMBLY, LIFT AND TILT MANUAL CONTROL VALVE THREE AND FOUR FUNCTION	9-18

This diagram illustrates the assembly of a hydraulic system. The components are numbered as follows:

- 1**: Hydraulic cylinder
- 2**: Pin
- 3**: Lever
- 4**: Pin
- 5**: Hose
- 6**: Pin
- 7**: Hose end fitting
- 8**: Hose end fitting
- 9**: Hose end fitting
- 10**: Hose end fitting
- 11**: Hose end fitting
- 12**: Hose
- 13**: Hose end fitting
- 14**: Hose
- 15**: Hose end fitting
- 16**: Hose
- 17**: Pin
- 18**: Pin
- 19, 20**: Hose end fitting
- 21**: Hose end fitting
- 22**: Hose end fitting
- 23**: Pin
- 24**: Hose
- 25**: Hose end fitting
- 26**: Hose end fitting
- 27**: Hose
- 28**: Hose end fitting
- 29**: Hose end fitting

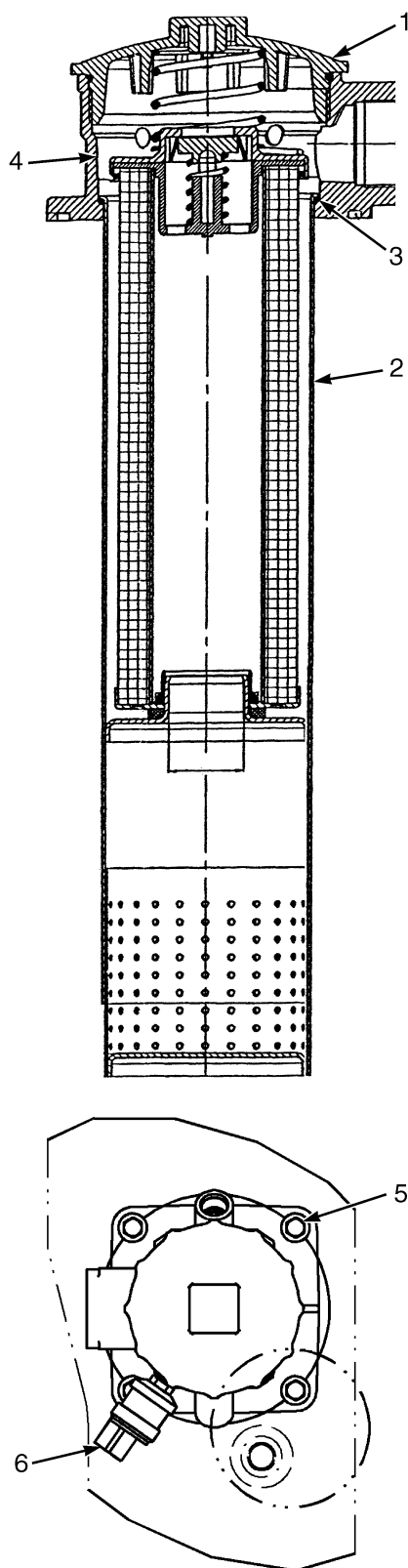
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HYDRAULIC SUPPLY AND RETURN

ITEM	PART NO.	DESCRIPTION	QTY
1	1567693	Filter Assembly (☞ Figure 9-2)	1
2	1586627	Capscrew.....	4
3	2083335	Dipstick	1
4	1570264	Fitting.....	1
4	16484	O-Ring	1
5	78456	Hose	1
6	1502007	Clamp	2
7	1582161	Breather.....	1
8	2081865	Surge Tank	1
9	296016	Capscrew.....	2
10	1617083	Spacer	1
11	1502543	Nut (Flange).....	2
12	1617585	Strainer	1
13	1527983	Clamp	4
14	2079736	Hose	1
15	1549449	Clamp	2
16	2079731	Tube	1
17	1527879	Capscrew.....	3
18	1473888	Fitting.....	1
18	280154	O-Ring	1
18	16486	O-Ring	1
19	c 2082654	Gear Pump (41.3 cc) (☞ Figure 9-3)	1
19	b 2077588	Gear Pump (46.5cc) (☞ Figure 9-3)	1
19	a 2086562	Gear Pump (51.6 cc) (☞ Figure 9-3)	1
20	264159	Adhesive	AR
21	1566890	Adapter	1
22	2079735	Hose	1
23	1564515	Capscrew.....	2
24	2088916	Hose	1
25	1473898	Fitting.....	1
25	280154	O-Ring	1
25	16486	O-Ring	1
26	369804	Clamp	2
27	2075755	Hose	1
28	1612214	Fitting.....	1
29	2068337	Pressure Switch.....	1

FOOTNOTES:**a** H100-120FT**b** H80-90FT Diesel**c** H80-90FT Gasoline and LPG

HYDRAULIC FILTER (Figure 9-2)

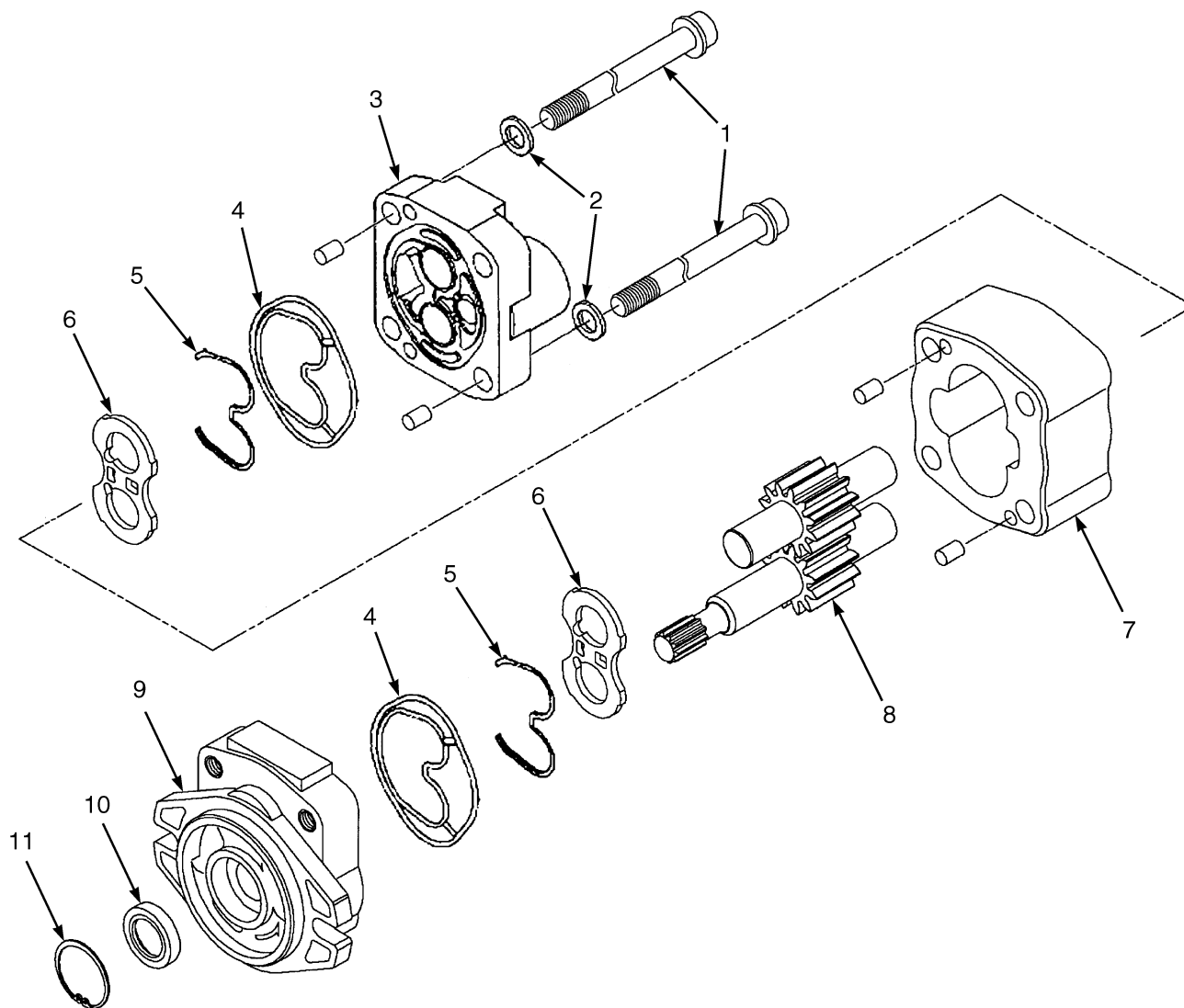


BP150185

HYDRAULIC FILTER

ITEM	PART NO.	DESCRIPTION	QTY
	1567693	Filter Assembly	1
1	1615173	Cap.....	1
1	.....	O-Ring.....	1
1	.....	Spring.....	1
2	1624654	Kit-Filter Element with O-ring	1
2	.....	O-Ring.....	1
3	1624657	Bowl.....	1
3	.....	O-Ring.....	1
4	1627364	Head.....	1
4	.....	Quad Ring	1
5	132861	Capscrew.....	4
6	320158	Washer	4
7	2068337	Pressure Switch.....	1
	1624663	O-Ring Kit (Includes Items 1-4)	1

GEAR PUMP (Figure 9-3)



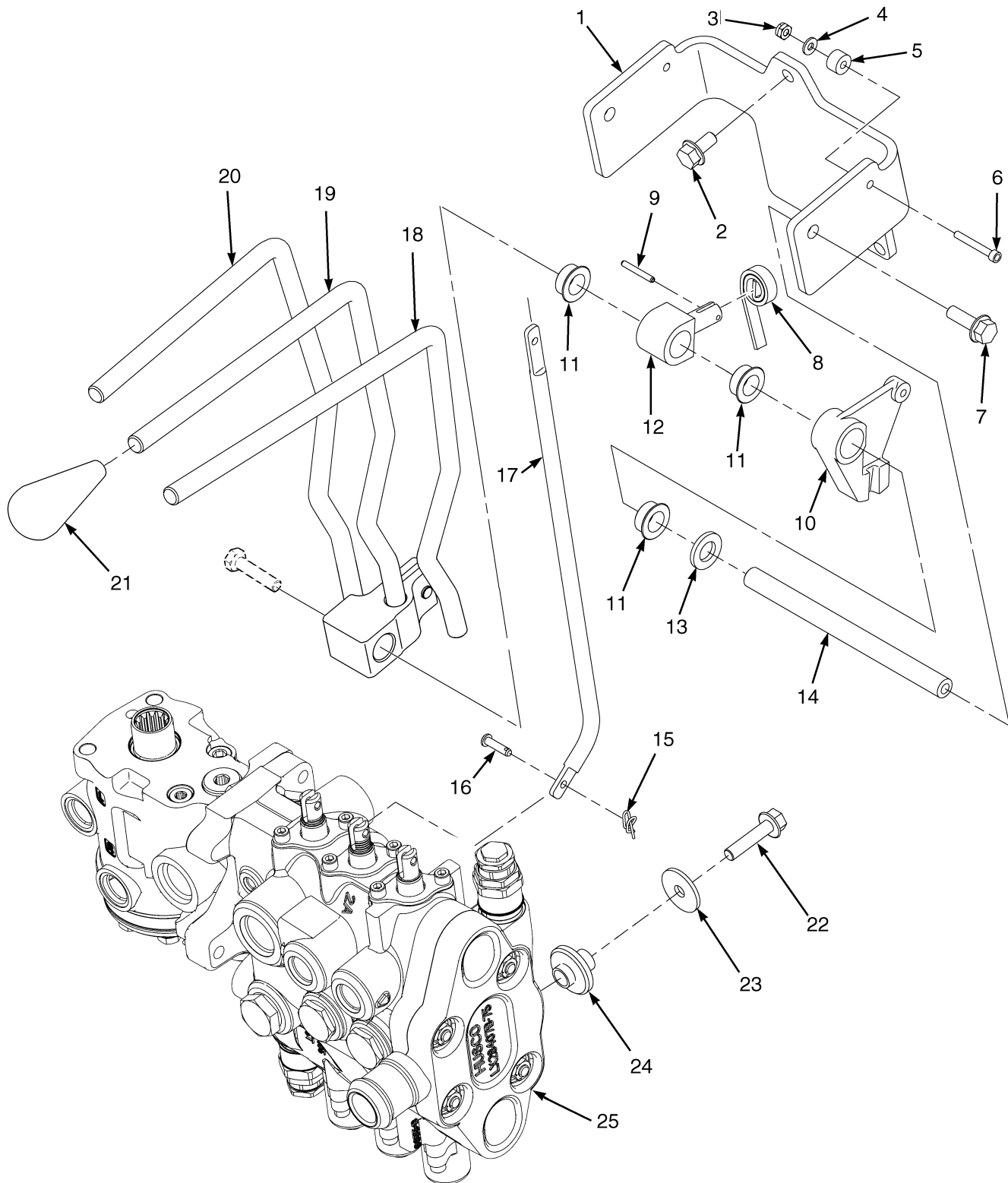
BP150147

GEAR PUMP

ITEM	PART NO.	DESCRIPTION	QTY
	c 2082654	Gear Pump (41.3 cc)	1
	a 2086562	Gear Pump (51.6 cc)	1
	b 2077588	Gear Pump (46.5cc)	1
1	c 1624864	Bolt	4
1	a 1636046	Bolt	4
1	b 2089776	Bolt	4
2	1624865	Washer	4
3	1624853	Cover	1
4	1624862	Plate (Seal).....	2
5	1624863	Ring (Back-Up).....	2
6	1624861	Pressure Plate.....	2
7	.....	Gear Plate	1
8	c 1624869	Gear Set	1
8	a 1624870	Gear Set	1
8	b 1624992	Gear Set	1
8	.....	Drive Gear.....	1
8	.....	Driven Gear.....	1
9	1624856	Flange	1
10	1624866	Oil Seal.....	1
11	1624867	Snap Ring.....	1
	1624868	Seal Kit (Includes Items 4-5, 10-11)	1

FOOTNOTES:**a** H100-120FT**b** H80-90FT Diesel**c** H80-90FT Gasoline and LPG

HAND LEVERS (Figure 9-4) THREE FUNCTION WITH DETENTED LEVERS

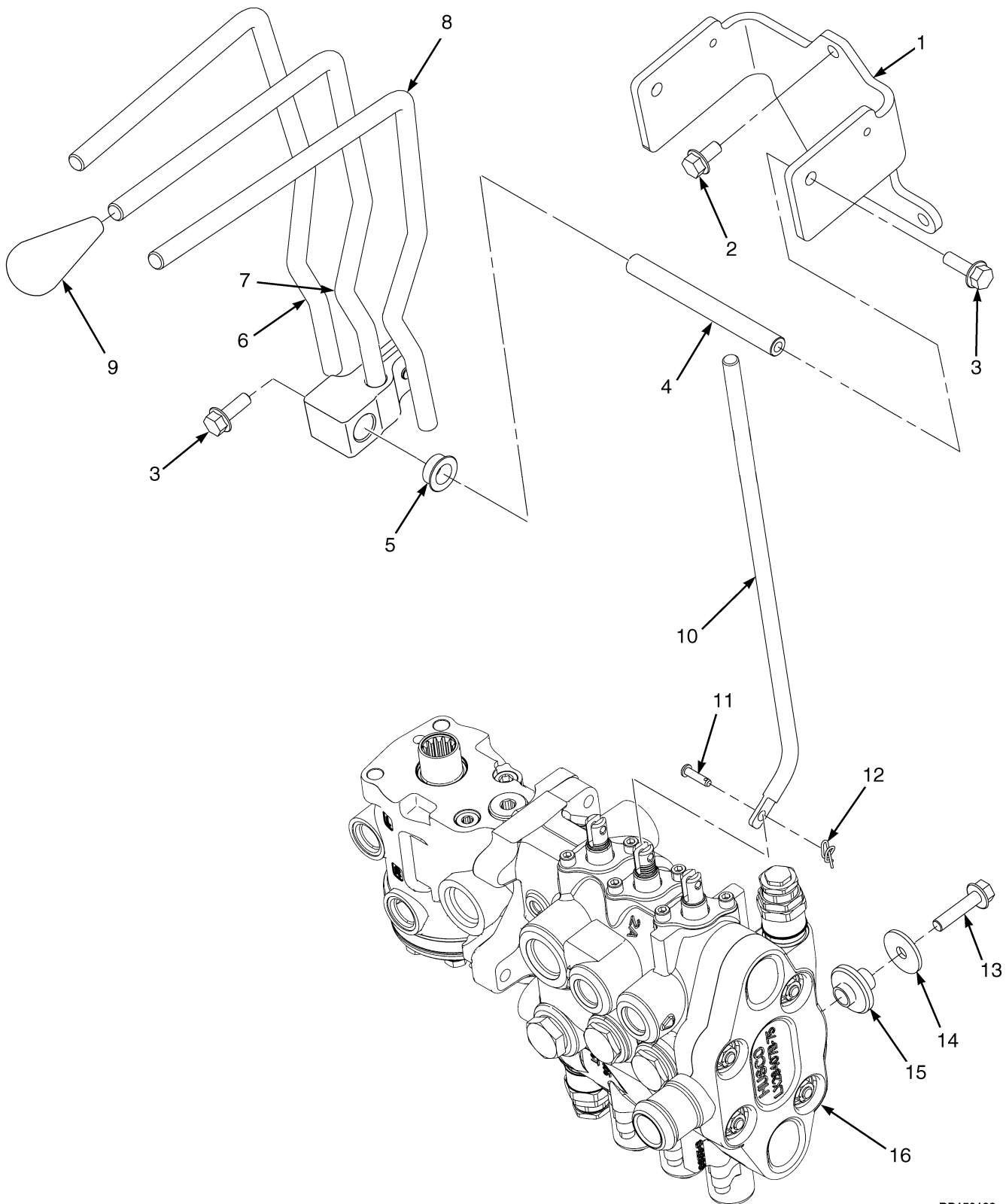


BP150138

HAND LEVERS THREE FUNCTION WITH DETENTED LEVERS

ITEM	PART NO.	DESCRIPTION	QTY
1	1578454	Bracket.....	1
2	1527879	Capscrew.....	3
3	230882	Nut	1
4	197067	Washer	2
5	1528339	Spacer	1
6	18094	Capscrew.....	1
7	1583611	Capscrew.....	2
8	175861	Spring	1
9	302428	Pin	1
10	1542546	Pivot.....	2
11	1564747	Bushing.....	10
12	306113	Pin (Selector).....	1
13	320161	Washer	2
14	1528328	Pivot Shaft	1
15	1517361	Lock Ring.....	6
16	309109	Rod End Pin	6
17	1517394	Link	3
18	2083706	Hand Lever (Auxiliary One And Two).....	1
19	2083702	Hand Lever (Tilt)	1
20	2083701	Hand Lever (Lift)	1
21	1517395	Knob	3
22	1586627	Capscrew.....	3
23	1346752	Washer	3
24	2063991	Isolator.....	3
25	2079625	Control Valve Assembly (☞ Figure 9-8)	1

HAND LEVERS (Figure 9-5) THREE FUNCTION WITHOUT DETENTED LEVERS

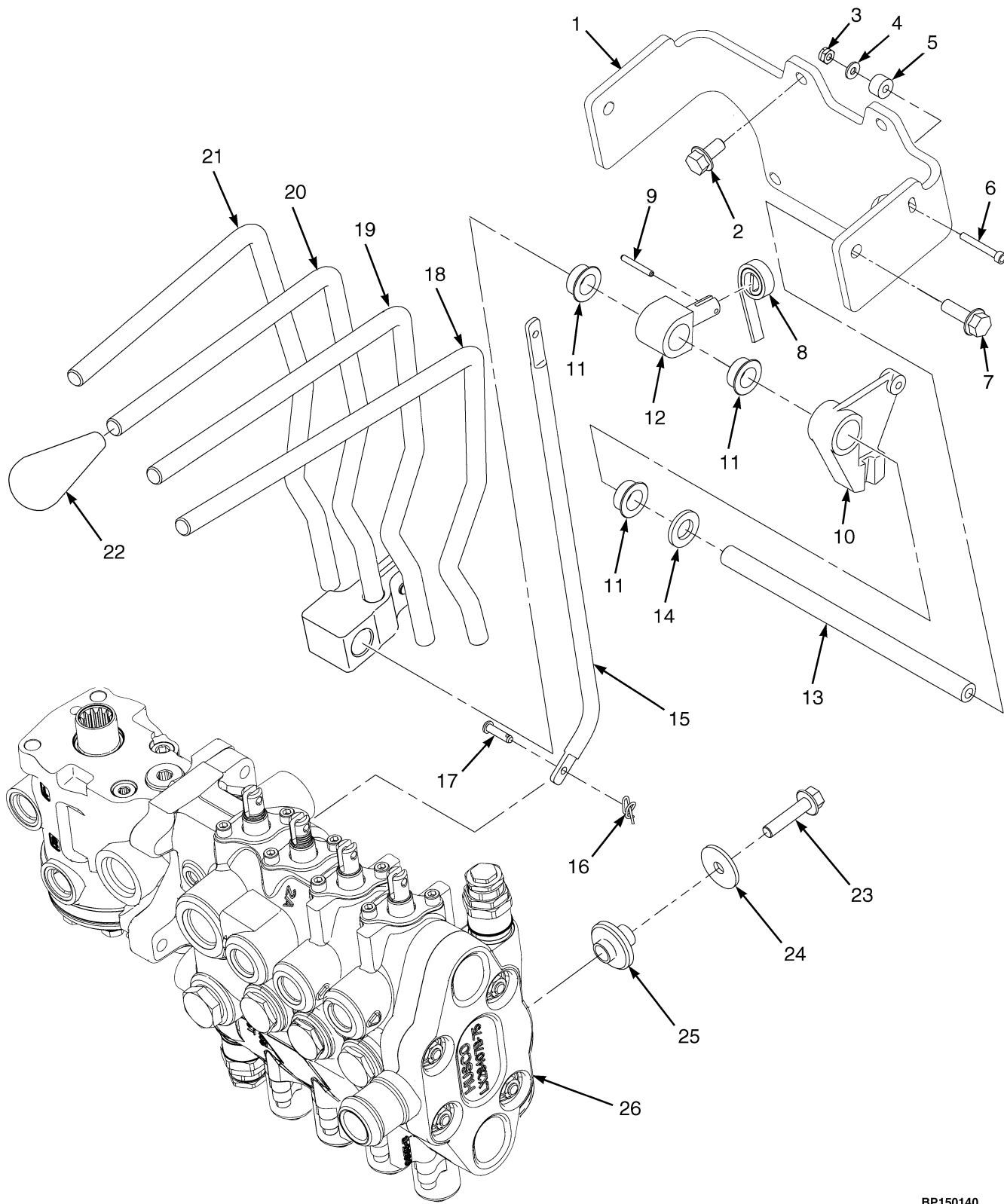


BP150139

HAND LEVERS THREE FUNCTION WITHOUT DETENTED LEVERS

ITEM	PART NO.	DESCRIPTION	QTY
1	1578453	Bracket.....	1
2	1527879	Capscrew.....	3
3	1583611	Capscrew.....	2
4	1528327	Pivot Shaft	1
5	1564747	Bushing.....	6
6	2083701	Hand Lever (Lift)	1
7	2083702	Hand Lever (Tilt)	1
8	2083703	Hand Lever (Auxiliary One)	1
9	1517395	Knob	3
10	1517394	Link	3
11	309109	Rod End Pin	6
12	1517361	Lock Ring.....	6
13	1586627	Capscrew.....	3
14	1346752	Washer	3
15	2063991	Isolator.....	3
16	2079625	Control Valve Assembly (☞ Figure 9-8)	1

HAND LEVERS (Figure 9-6) FOUR FUNCTION WITH DETENTED LEVERS

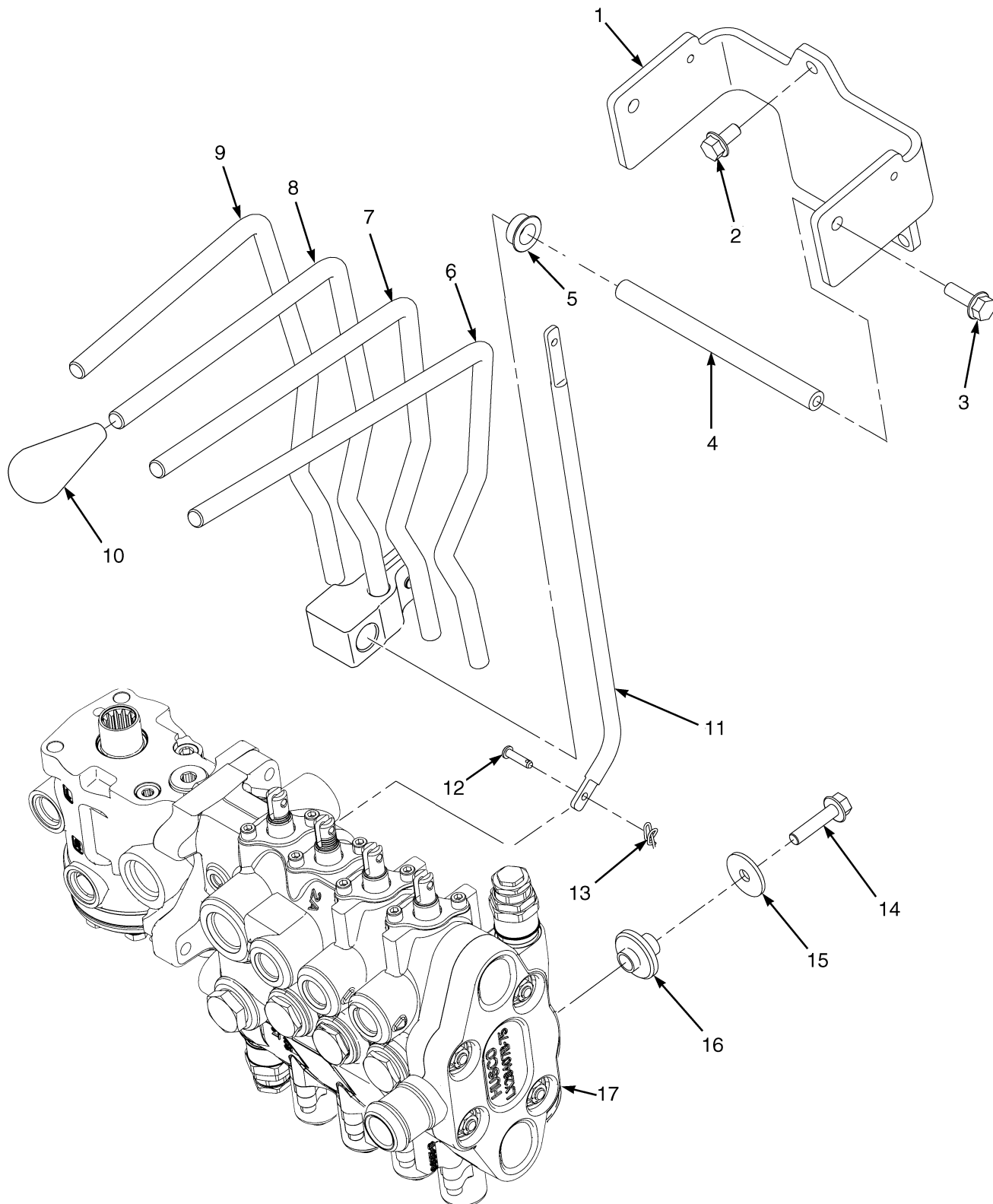


BP150140

HAND LEVERS FOUR FUNCTION WITH DETENTED LEVERS

ITEM	PART NO.	DESCRIPTION	QTY
1	1619997	Bracket.....	1
2	1527879	Capscrew.....	4
3	230882	Nut	1
4	197067	Washer	2
5	1528339	Spacer	1
6	18094	Capscrew.....	1
7	1583611	Capscrew.....	2
8	175861	Spring	1
9	302428	Pin	1
10	1542546	Pivot.....	2
11	1564747	Bushing.....	12
12	306113	Pin (Selector).....	1
13	1528329	Pivot Shaft	1
14	320161	Washer	2
15	1517394	Link	4
16	1517361	Lock Ring.....	8
17	309109	Rod End Pin	8
18	2083705	Hand Lever (Auxiliary Two And Three)	1
19	2083703	Hand Lever (Auxiliary One)	1
20	2083702	Hand Lever (Tilt)	1
21	2083701	Hand Lever (Lift)	1
22	1517395	Knob	4
23	1586627	Capscrew.....	3
24	1346752	Washer	3
25	2063991	Isolator.....	3
26	2079624	Control Valve Assembly (☞ Figure 9-8)	1

HAND LEVERS (Figure 9-7) FOUR FUNCTION WITHOUT DETENTED LEVERS

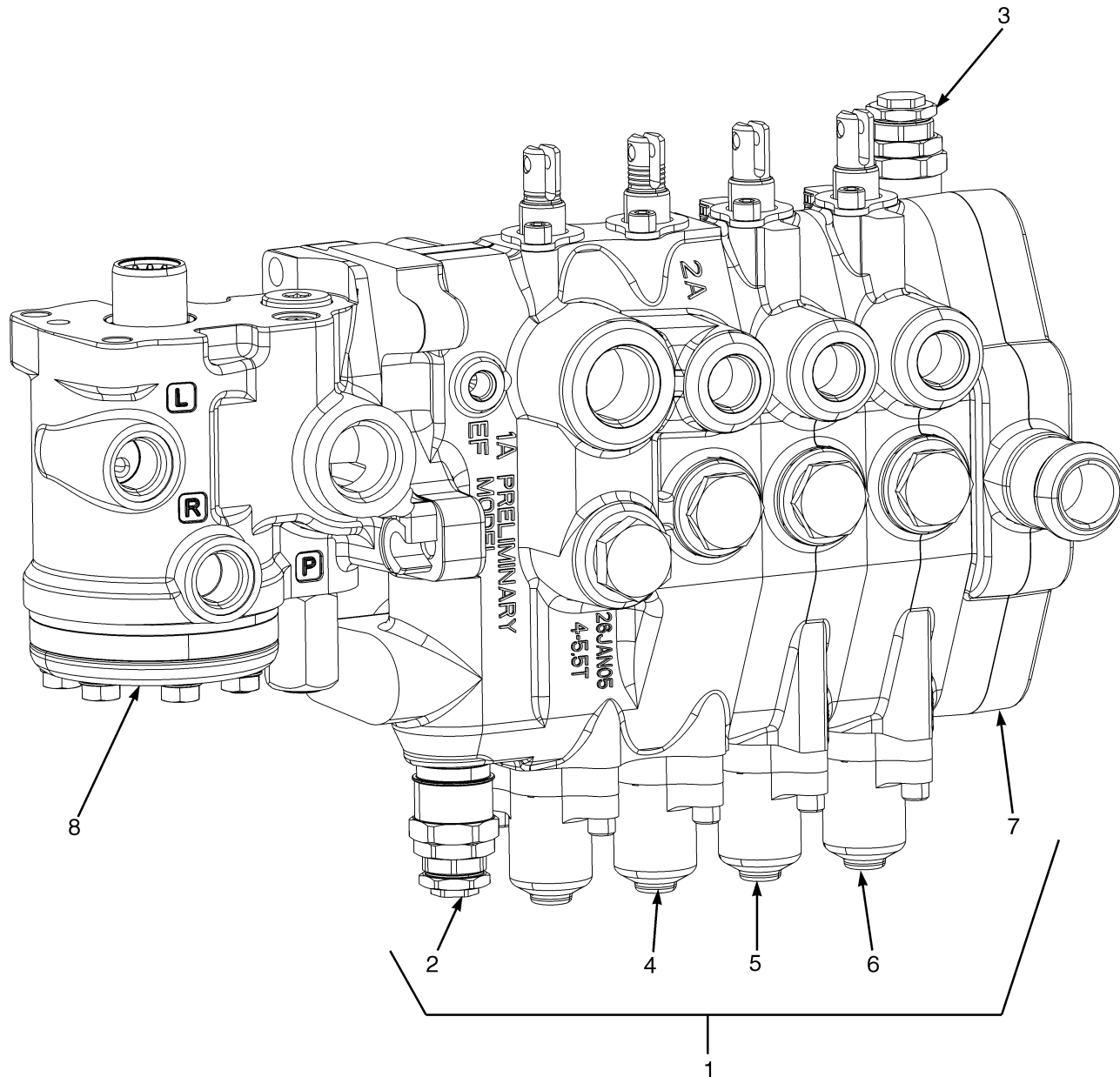


BP150141

HAND LEVERS FOUR FUNCTION WITHOUT DETENTED LEVERS

ITEM	PART NO.	DESCRIPTION	QTY
1	1578454	Bracket.....	1
2	1527879	Capscrew.....	3
3	1583611	Capscrew.....	2
4	1528328	Pivot Shaft	1
5	1564747	Bushing.....	8
6	2083704	Hand Lever (Auxiliary Two)	1
7	2083703	Hand Lever (Auxiliary One)	1
8	2083702	Hand Lever (Tilt)	1
9	2083701	Hand Lever (Lift)	1
10	1517395	Knob	4
11	1517394	Link	4
12	309109	Rod End Pin	8
13	1517361	Lock Ring.....	8
14	1586627	Capscrew.....	3
15	1346752	Washer	3
16	2063991	Isolator.....	3
17	2079624	Control Valve Assembly (☞ Figure 9-8)	1

CONTROL VALVE ASSEMBLY (Figure 9-8) MANUAL CONTROL VALVE THREE AND FOUR FUNCTION



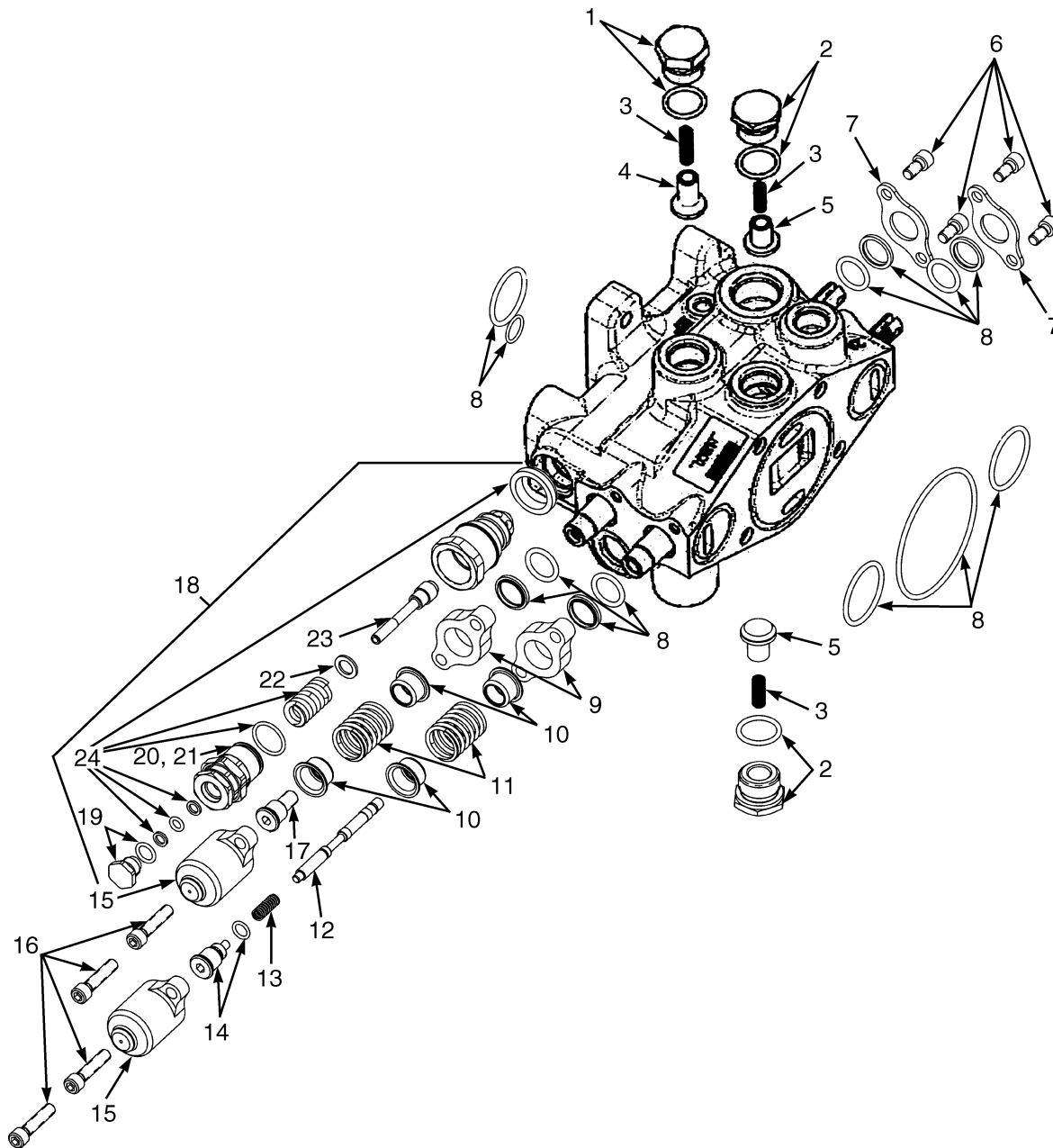
BP140077

CONTROL VALVE ASSEMBLY MANUAL CONTROL VALVE THREE AND FOUR FUNCTION

KEY:**A: Three Function****B: Four Function**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	2079625	Control Valve Assembly	1	..
	2079624	Control Valve Assembly	..	1
1	2078047	Control Valve	1	..
1	2078045	Control Valve	..	1
2	1578747	Relief Valve (3100 PSI Main Relief)	1	..
2	1580097	Seal and Spring Kit.....	1	1
3	1578707	Valve (Secondary Relief)	1	1
3	1580131	Seal and Spring Kit.....	1	1
4	1578815	Valve Assembly (Lift and Tilt) (☞ Figure 9-9)	1	1
5	1628747	Auxiliary Section (☞ Figure 9-10)	1	1
6	1628748	Auxiliary Section (☞ Figure 9-10)	..	1
7	1578746	Outlet Section (☞ Figure 9-11)	1	1
8	2063122	Steering Control Unit (☞ Figure 7-3)	1	1
	1580146	Master Seal Kit.....	1	..
	1580148	Seal Kit.....	..	1

VALVE ASSEMBLY, LIFT AND TILT (Figure 9-9) MANUAL CONTROL VALVE THREE AND FOUR FUNCTION

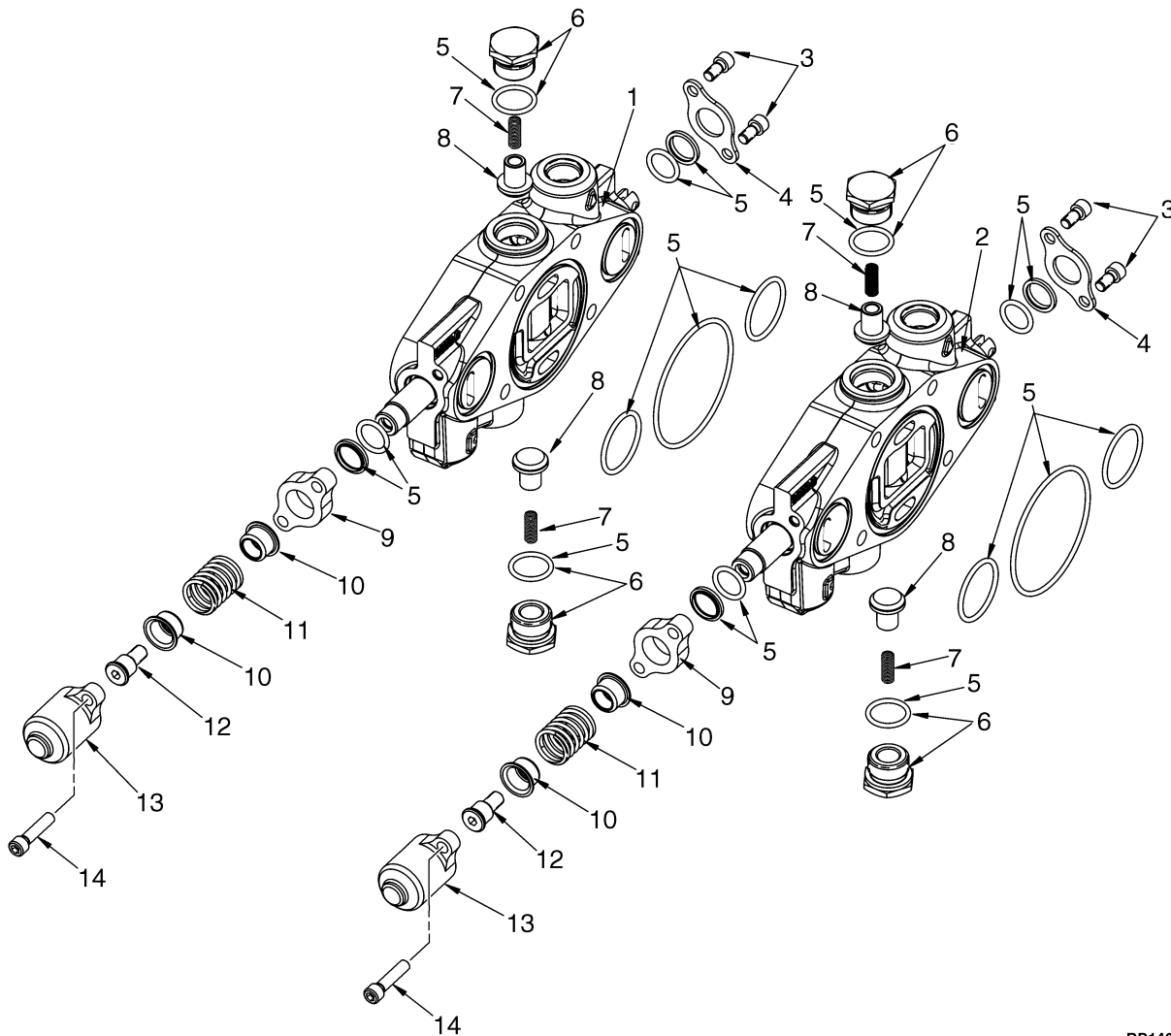


BP140078

VALVE ASSEMBLY, LIFT AND TILT MANUAL CONTROL VALVE THREE AND FOUR FUNCTION

ITEM	PART NO.	DESCRIPTION	QTY
	1578815	Valve Assembly (Lift and Tilt)	1
1	1578940	Plug	1
2	1578713	Plug Set.....	2
3	77442	Spring	3
4	1578943	Poppet	1
5	77443	Poppet	2
6	16706	Screw	4
7	188515	Seal Plate	2
8	1580133	Seal Kit (Inlet/Tilt Section)	1
9	.....	Seal Plate	2
10	320289	Spring Seat	2
11	188517	Spring	2
12	1581861	Piston	1
13	341462	Spring	1
14	386015	Spool End.....	1
15	1560681	Cap.....	2
16	1628746	Capscrew	4
17	1581859	Spool End.....	1
18	1578747	Relief Valve (3100 PSI Main Relief)	1
19	.....	Plug.....	1
20	.....	Screw	1
21	.....	Nut	1
22	.....	Washer.....	1
23	.....	Poppet.....	1
24	1580097	Seal and Spring Kit	1

AUXILIARY ONE AND TWO (Figure 9-10) MANUAL CONTROL VALVE THREE AND FOUR FUNCTION



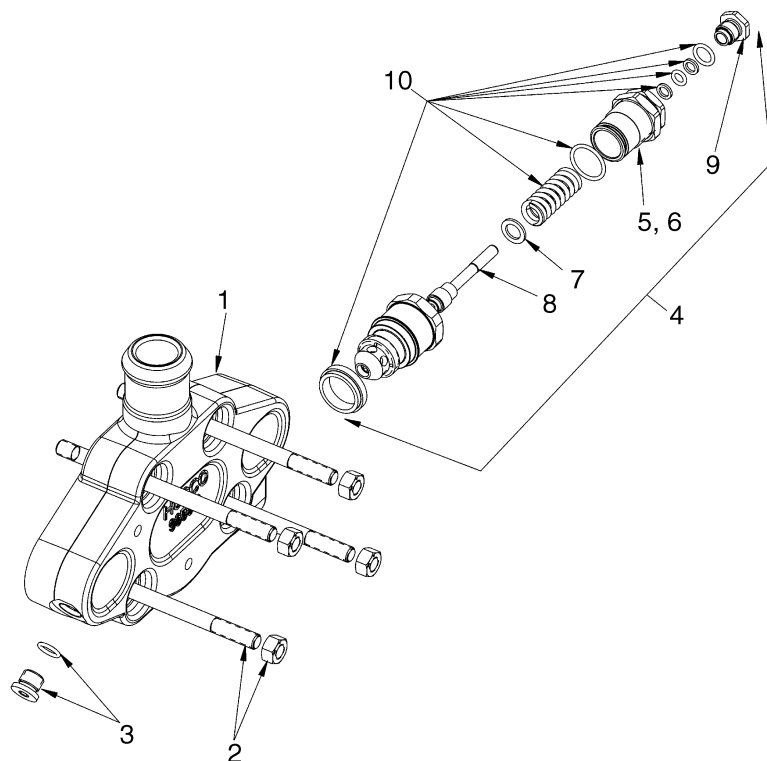
BP140047

AUXILIARY ONE AND TWO MANUAL CONTROL VALVE THREE AND FOUR FUNCTION

KEY:**A: Three Function****B: Four Function**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1628747	Auxiliary Section One or Two.....	1	1
2	1628748	Auxiliary Section One	..	1
3	16706	Screw	2	2
4	188515	Seal Plate	1	1
5	1580147	Seal Kit (Auxiliary One, Two and Three Sections).....	1	1
6	1578713	Plug Set.....	2	2
6	77441	Plug.....	2	2
7	77442	Spring.....	2	2
8	77443	Poppet.....	2	2
9	.....	Seal Plate	1	1
10	320289	Spring Seat	1	1
11	188517	Spring.....	1	1
12	1581859	Spool End.....	1	1
13	1560681	Cap.....	1	1
14	1628746	Capscrew	2	2

OUTLET SECTION (Figure 9-11) MANUAL CONTROL VALVE

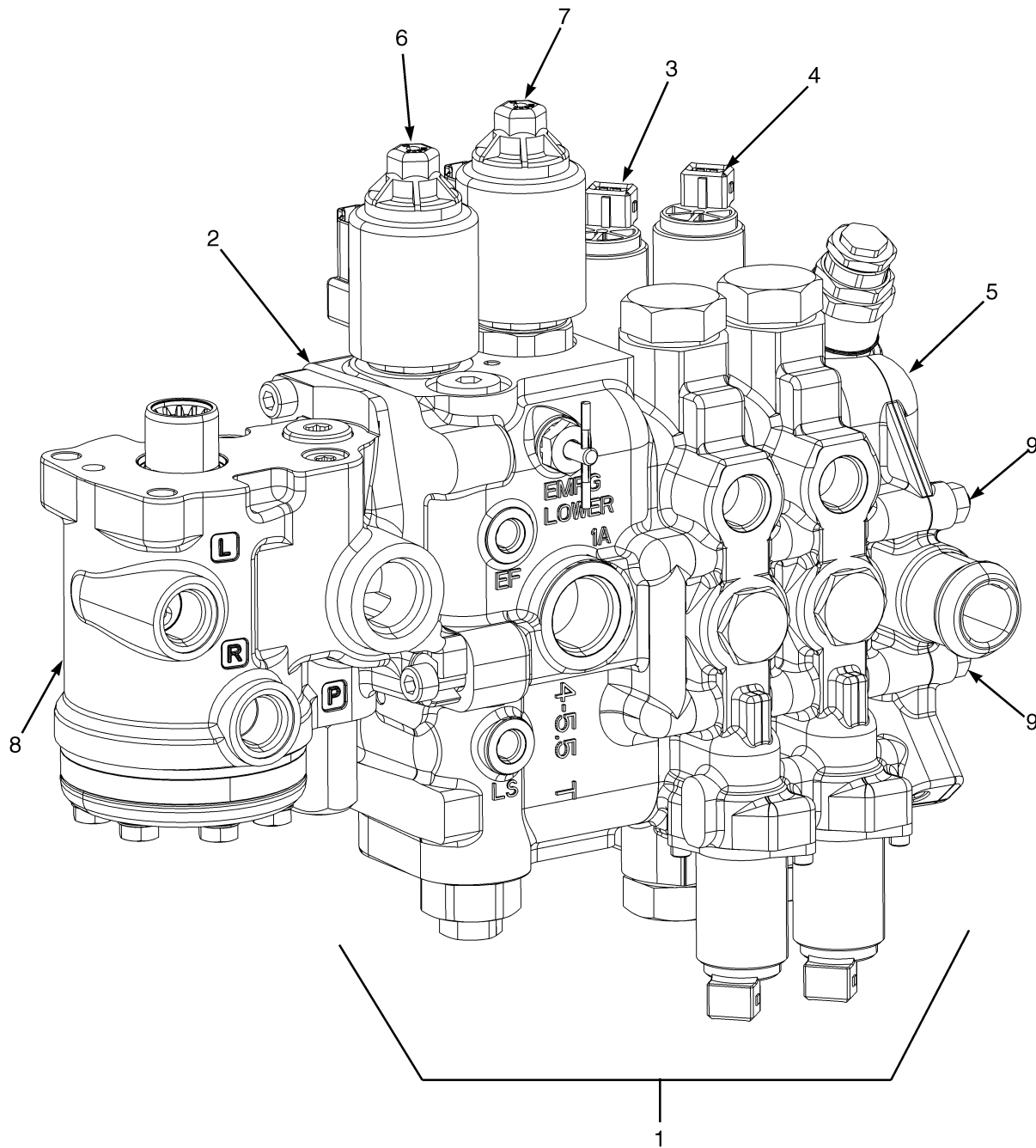


BP140048

ITEM	PART NO.	DESCRIPTION	QTY
1	1578746	Outlet Section	1
2	1580155	Tie Rod Kit (Three Function)	1
2	1580156	Tie Rod Kit (Four Function)	1
3	1578712	Plug Assembly	1
4	1578707	Valve (Secondary Relief)	1
5	.....	Nut.....	1
6	.....	Screw	1
7	.....	Washer	1
8	.....	Poppet	1
9	.....	Plug	1
10	1580131	Seal and Spring Kit	1

[illegible]

CONTROL VALVE ASSEMBLY (Figure 9-12) ELECTRONIC CONTROL THREE FUNCTION

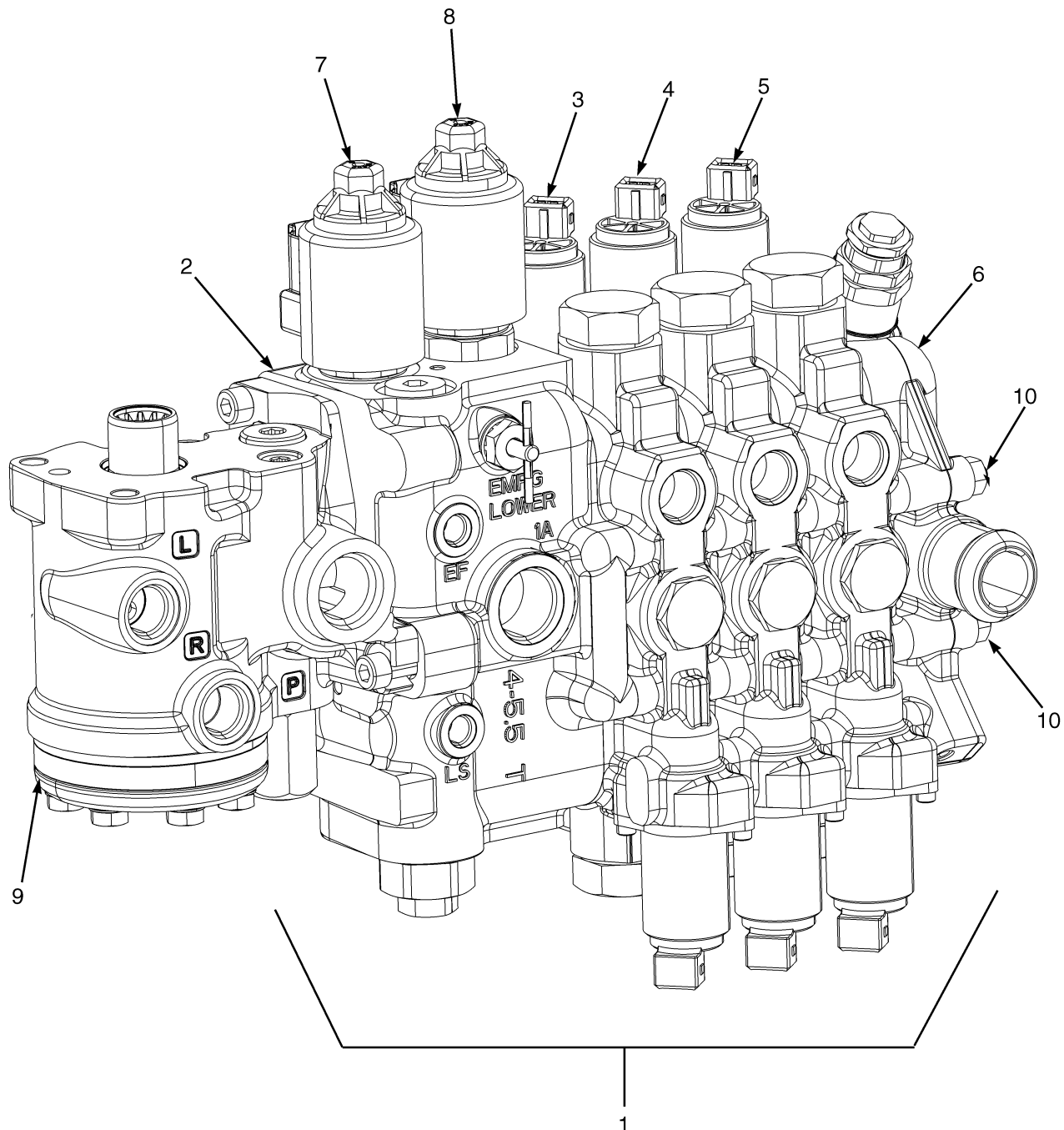


BP150157

CONTROL VALVE ASSEMBLY ELECTRONIC CONTROL THREE FUNCTION

ITEM	PART NO.	DESCRIPTION	QTY
	2079628	Control Valve Assembly	1
1	2078039	Control Valve	1
2	1629196	Inlet Section (☞ Figure 9-14)	1
3	1629197	Tilt Section (☞ Figure 9-15)	1
4	1629198	Auxiliary One Section (☞ Figure 9-17)	1
5	1578704	Outlet Section (☞ Figure 9-19)	1
6	1629200	Poppet Valve Assembly (Lower) (☞ Figure 9-16)	1
7	1629201	Poppet Valve Assembly (Lift) (☞ Figure 9-16)	1
8	2063122	Steering Control Unit (☞ Figure 7-3)	1
9	1578715	Tie Rod Kit	1

CONTROL VALVE ASSEMBLY (Figure 9-13) ELECTRONIC CONTROL FOUR FUNCTION

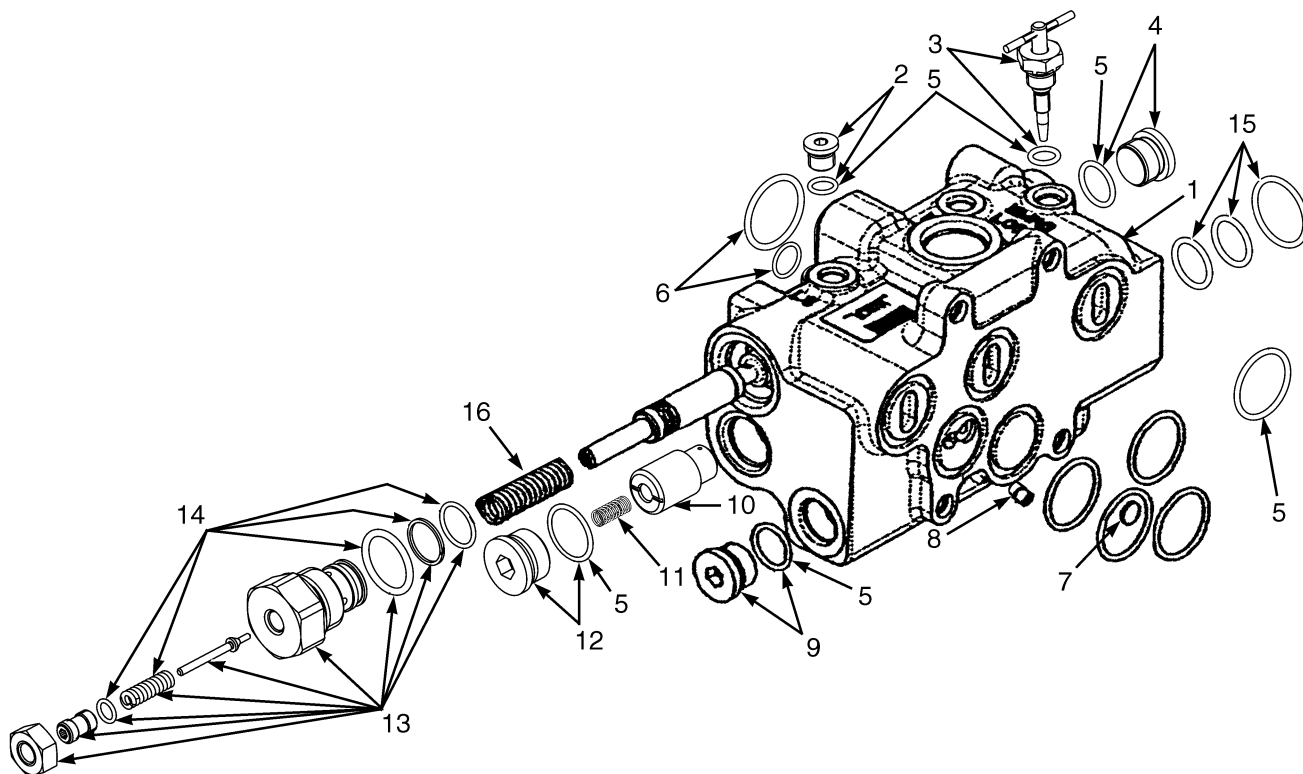


BP140001

CONTROL VALVE ASSEMBLY ELECTRONIC CONTROL FOUR FUNCTION

ITEM	PART NO.	DESCRIPTION	QTY
	2079627	Control Valve Assembly	1
1	2078041	Control Valve	1
2	1629196	Inlet Section (☞ Figure 9-14)	1
3	1629197	Tilt Section (☞ Figure 9-15)	1
4	1629198	Auxiliary One Section (☞ Figure 9-17)	1
5	1633693	Auxiliary Two Section (Auxiliary Two and Three) (☞ Figure 9-18)	1
6	1578704	Outlet Section (☞ Figure 9-19)	1
7	1629200	Poppet Valve Assembly (Lift) (☞ Figure 9-16)	1
8	1629201	Poppet Valve Assembly (Lower) (☞ Figure 9-16)	1
9	2063122	Steering Control Unit (☞ Figure 7-3)	1
10	1580151	Tie Rod Kit	1

VALVE ASSEMBLY, LIFT AND LOWER (Figure 9-14) ELECTRONIC CONTROL VALVE THREE AND FOUR FUNCTION

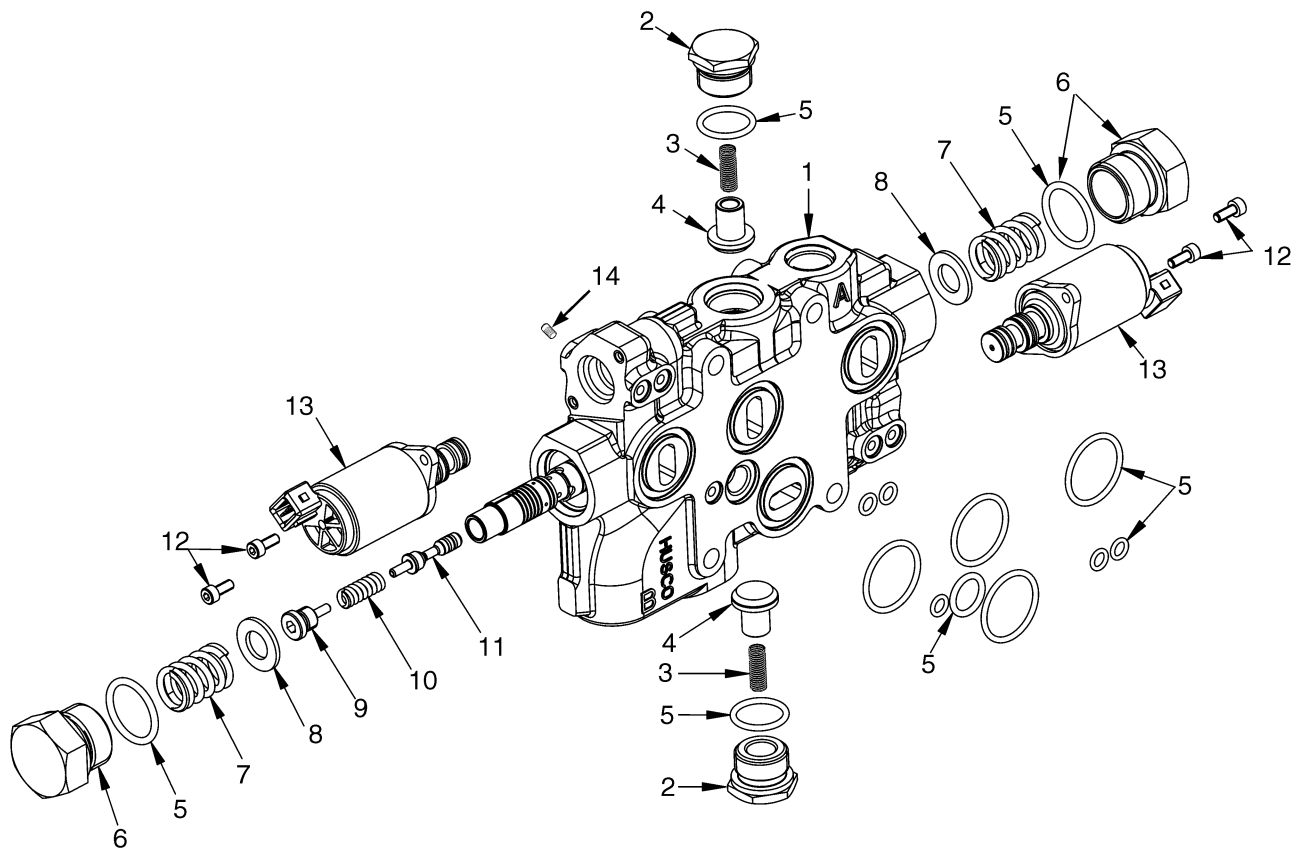


BP140076

VALVE ASSEMBLY, LIFT AND LOWER ELECTRONIC CONTROL VALVE THREE AND FOUR FUNCTION

ITEM	PART NO.	DESCRIPTION	QTY
1	1629196	Inlet Section	1
2	1578712	Plug Assembly.....	1
2	204128	Plug.....	1
3	1581862	Manual Lower Assembly Kit	1
4	1629210	Plug	1
5	1578904	Seal Kit (Inlet) (Inlet).....	1
6	1578911	Seal Kit (Steering Control Unit Interface)	1
7	1578875	Shuttle	1
8	1578888	Set Screw	1
9	1569602	Plug	1
10	1586280	Poppet	1
11	1578876	Spring	1
12	1578714	Plug	1
13	1629209	Relief Valve (Main)	1
14	1580132	Seal and Spring Kit	1
15	1586279	Seal Kit (Electro Hydraulic Poppet Valve) (Caged Lower Poppet Valve)	AR
16	1629211	Spring	1
	1578908	Master Seal Kit (Four Function)	1
	1578909	Master Seal Kit (Three Function)	1

TILT SECTION (Figure 9-15) ELECTRONIC CONTROL THREE AND FOUR FUNCTION

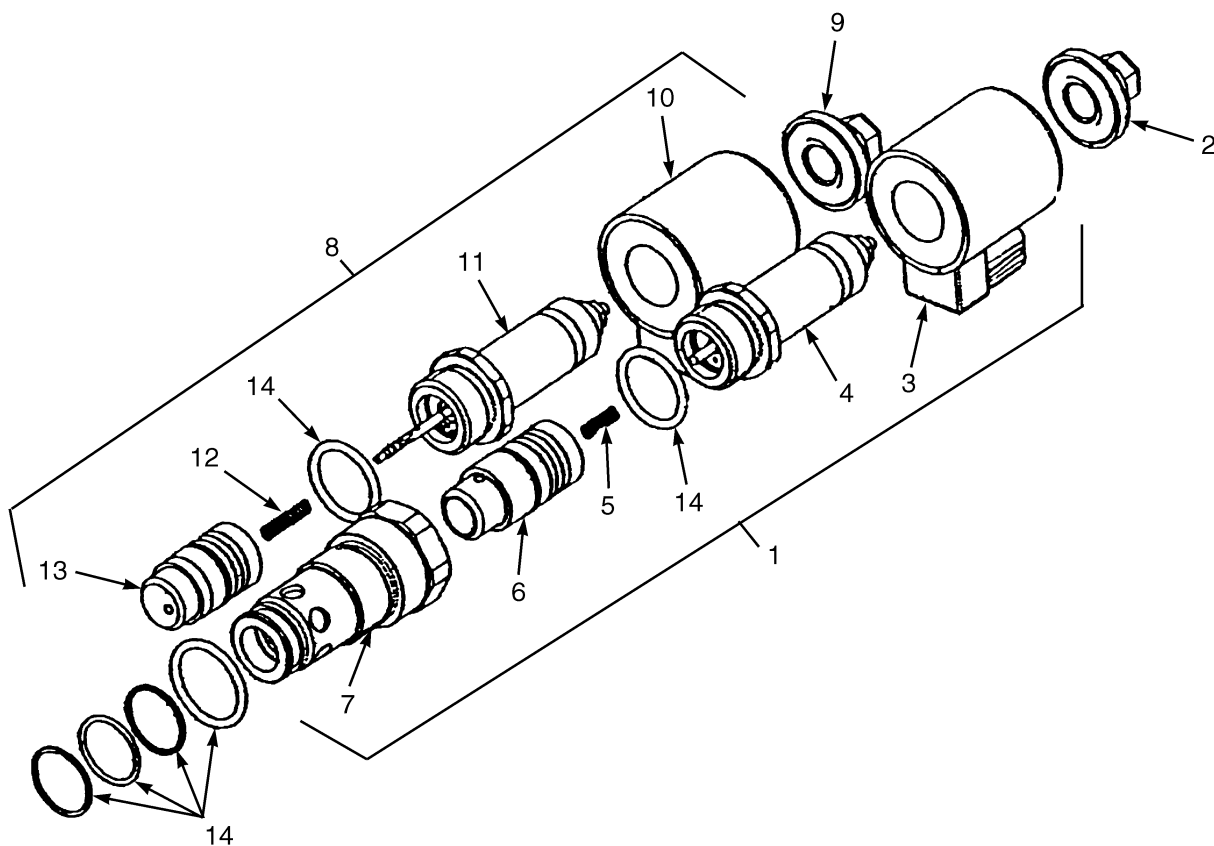


BP140054

TILT SECTION ELECTRONIC CONTROL THREE AND FOUR FUNCTION

ITEM	PART NO.	DESCRIPTION	QTY
1	1629197	Tilt Section	1
2	1578713	Plug Set	2
3	77442	Spring	2
4	77443	Poppet	2
5	1578905	Seal Kit (Tilt)	1
6	1578889	Plug Set	2
7	1578882	Spring	2
8	1578883	Washer	2
9	1580760	Spool End	1
10	1580759	Spring	1
11	1580099	Piston	1
12	1578878	Capscrew	4
13	1578711	Solenoid	2
13	1578912	Seal Kit (Pressure Reducing Valve)	1
14	1578887	Set Screw	1

ELECTRO HYDRAULIC POPPET VALVE (Figure 9-16) THREE AND FOUR FUNCTION

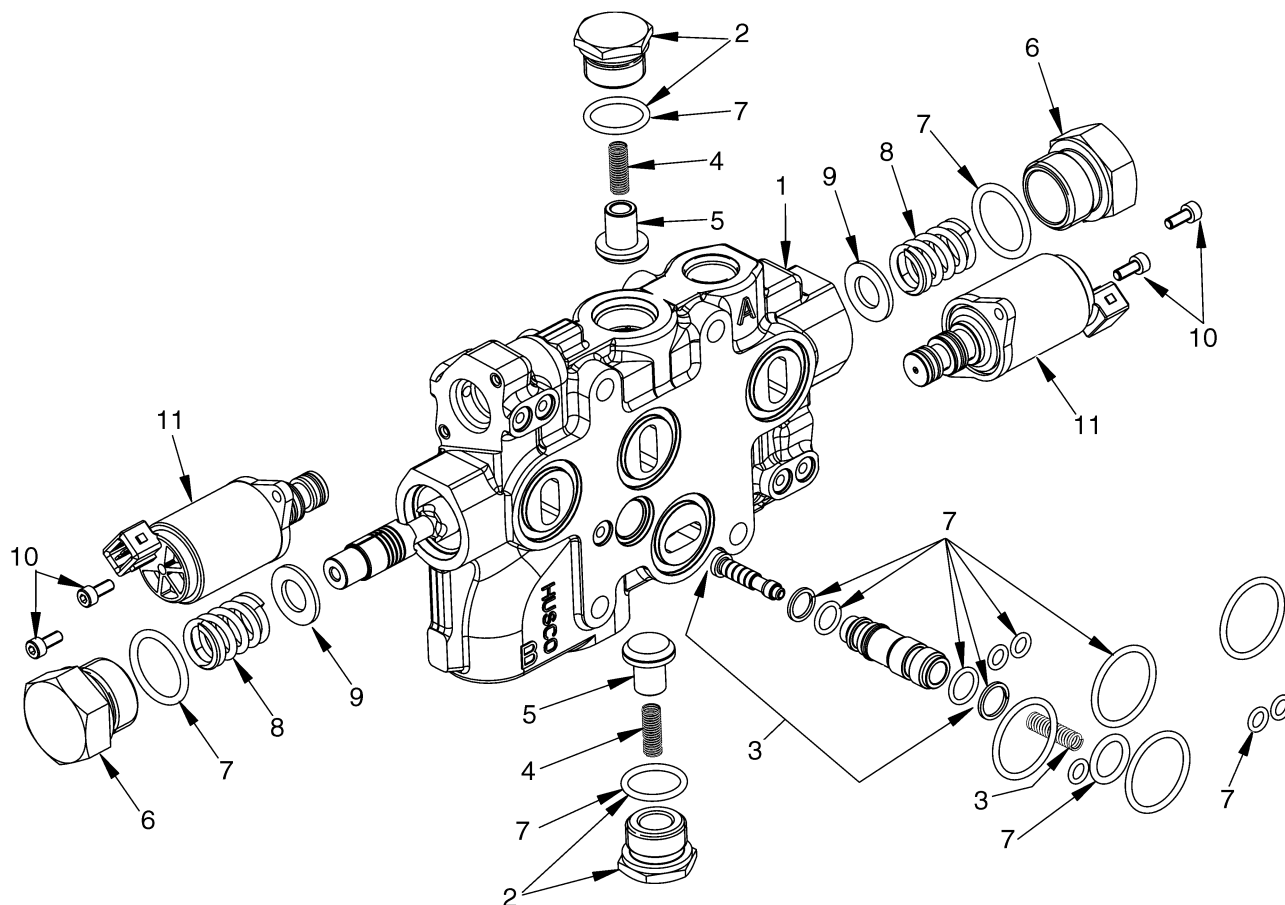


BP140002

**ELECTRO HYDRAULIC POPPET VALVE
THREE AND FOUR FUNCTION**

ITEM	PART NO.	DESCRIPTION	QTY
1	1629201	Poppet Valve Assembly (Lower)	1
2	1629163	Coil Nut.....	1
3	1578710	Coil	1
4	1629160	Tube (Solenoid)	1
5	1629165	Spring	1
6	1629159	Poppet Valve	1
7	1586020	Sleeve.....	1
8	1629200	Poppet Valve Assembly (Lift)	1
9	1629163	Coil Nut.....	1
10	1629162	Coil	1
11	1629161	Tube (Solenoid)	1
12	1629164	Spring	1
13	1629158	Poppet Valve	1
14	1586279	Seal Kit (Electro Hydraulic Poppet Valve).....	1

AUXILIARY ONE SECTION (Figure 9-17) ELECTRONIC CONTROL THREE AND FOUR FUNCTION

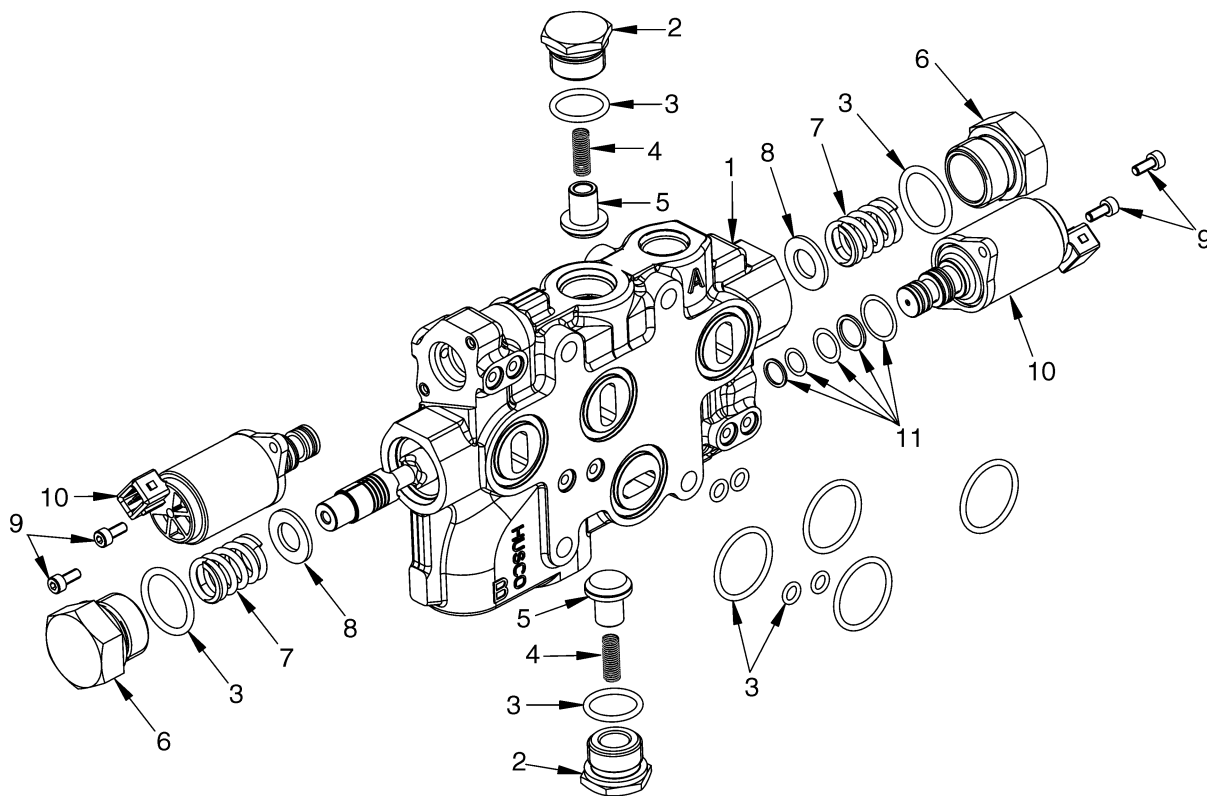


HP140019

AUXILIARY ONE SECTION ELECTRONIC CONTROL THREE AND FOUR FUNCTION

ITEM	PART NO.	DESCRIPTION	QTY
1	1629198	Auxiliary One Section	1
2	1578713	Plug Set.....	2
2	77441	Plug.....	2
3	1578718	Anti-Stall Valve Kit	1
3	1578886	Spring.....	1
3	1629166	Sleeve	1
3	266519	O-Ring.....	2
4	77442	Spring	2
5	77443	Poppet	2
6	1578889	Plug Set.....	2
7	1578906	Seal Kit (Auxiliary One Section)	1
8	1578882	Spring	2
9	1578883	Washer	2
10	1578878	Capscrew	4
11	1578711	Solenoid	2
11	1578912	Seal Kit (Pressure Reducing Valve)	1

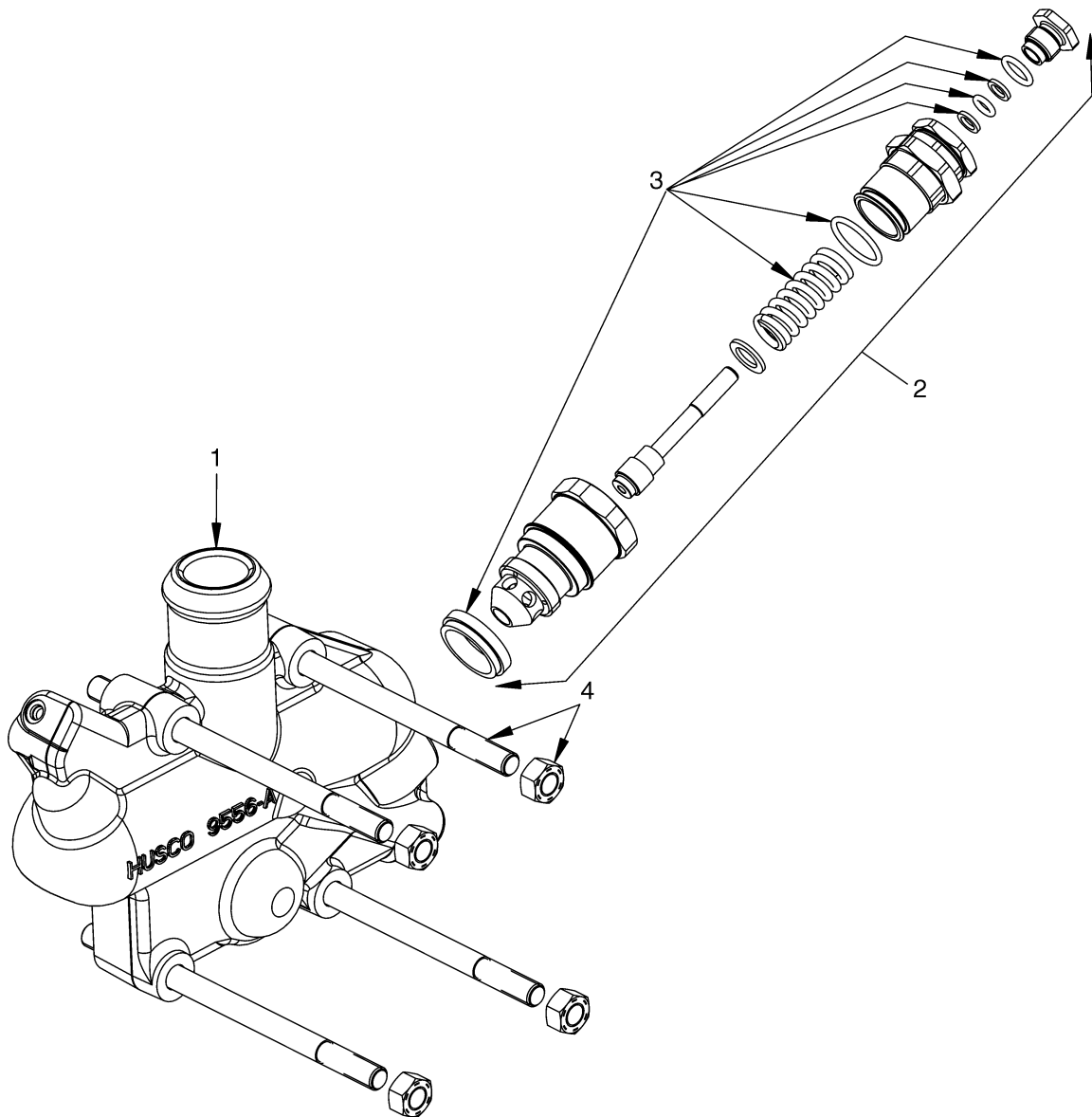
AUXILIARY TWO SECTION (Figure 9-18) ELECTRONIC CONTROL FOUR FUNCTION



**AUXILIARY TWO SECTION
ELECTRONIC CONTROL
FOUR FUNCTION**

ITEM	PART NO.	DESCRIPTION	QTY
1	1633693	Auxiliary Two Section.....	1
2	1578713	Plug Set.....	2
2	77441	Plug.....	2
3	1578907	Seal Kit (Auxiliary Two and Three Section)	1
4	77442	Spring.....	2
5	77443	Poppet.....	2
6	1578889	Plug Set.....	2
7	1578882	Spring.....	2
8	1578883	Washer	2
9	1578878	Capscrew	4
10	1578711	Solenoid	2
11	1578912	Seal Kit (Pressure Reducing Valve)	1

OUTLET SECTION (Figure 9-19) ELECTRONIC CONTROL THREE AND FOUR FUNCTION

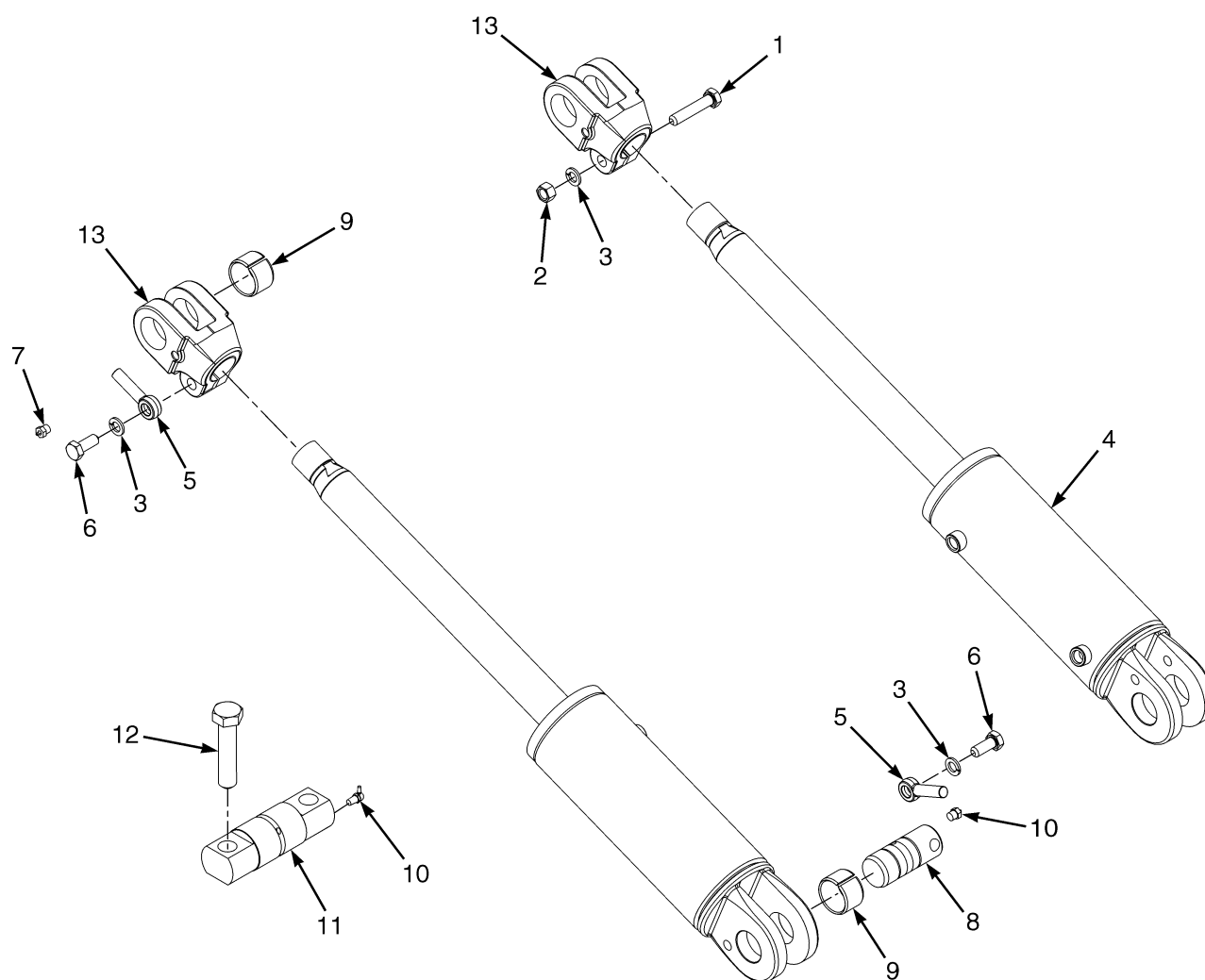


BP140075

**OUTLET SECTION
ELECTRONIC CONTROL
THREE AND FOUR FUNCTION**

ITEM	PART NO.	DESCRIPTION	QTY
1	1578704	Outlet Section	1
2	1578707	Valve (Secondary Relief)	1
3	1580131	Seal and Spring Kit	1
4	1578715	Tie Rod Kit (Three Function)	1
4	1580151	Tie Rod Kit (Four Function)	1

TILT CYLINDER AND MAST INSTALLATION (Figure 9-20)



BP150165

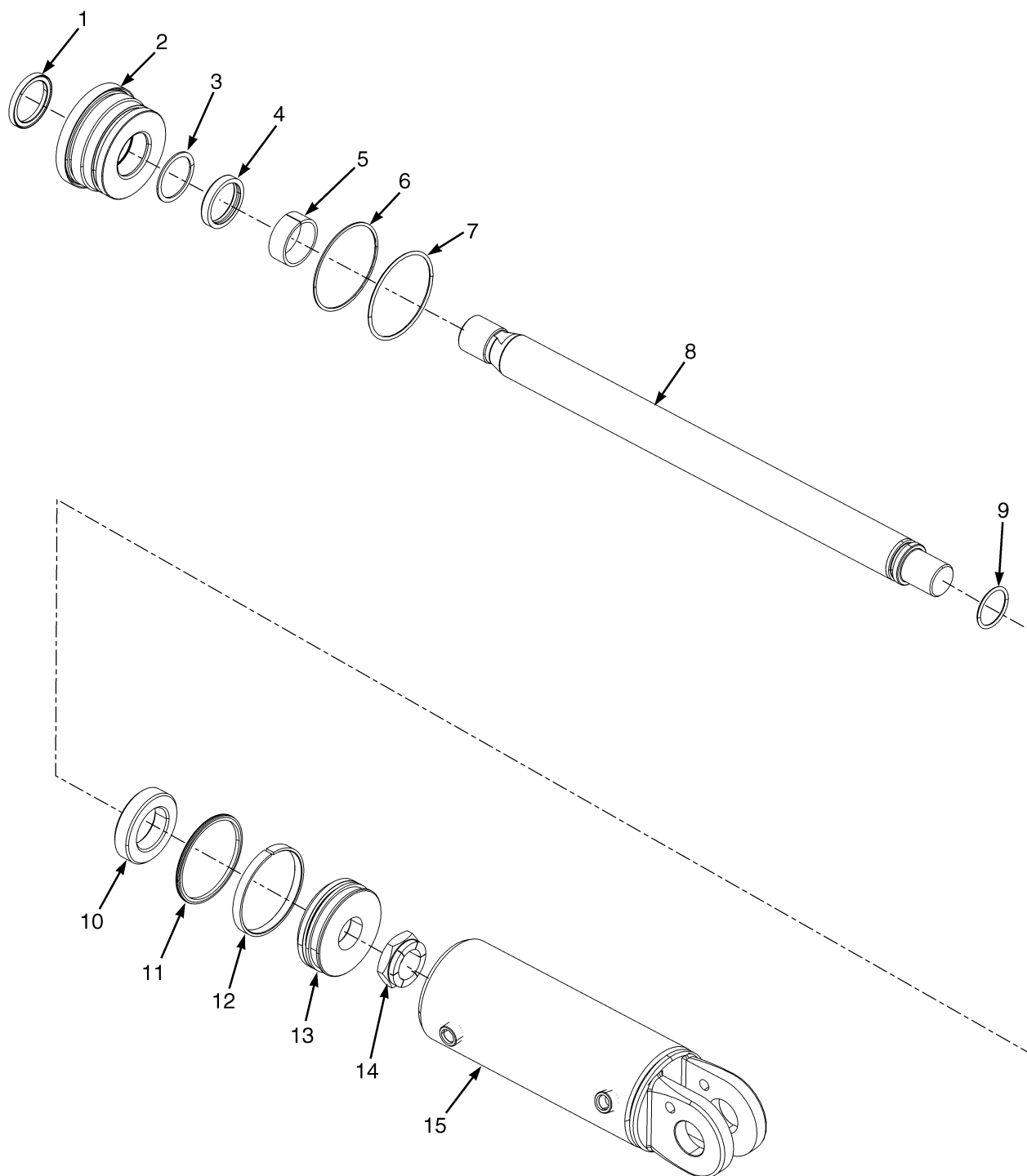
TILT CYLINDER AND MAST INSTALLATION

ITEM	PART NO.	DESCRIPTION	QTY
1	1597381	Capscrew.....	2
2	1581848	Nut	2
3	1581564	Lockwasher.....	6
4	a 2081137	Tilt Cylinder (12° Figure 9-21)	2
4	d 2081138	Tilt Cylinder (6° Figure 9-21)	2
4	b 2085566	Tilt Cylinder (6° Figure 9-21)	2
4	c 2094938	Tilt Cylinder (6° Figure 9-21)	2
5	241079	Anchor	4
6	1615240	Capscrew.....	4
7	16001	Lube Fitting	4
8	1570303	Pin	2
9	192429	Bushing.....	4
10	16015	Lube Fitting (Mast Installation)	2
11	1599316	Pin (Mast Installation)	2
12	1646441	Capscrew (Mast Installation)	4
13	bd 1566792	Rod End.....	2
13	ac 1578545	Rod End.....	2

FOOTNOTES:

- a** 12° Forward/6° Back
- b** 6° Forward/10° Back
- c** 6° Forward/5° Back
- d** 6° Forward/6° Back

TILT CYLINDERS (Figure 9-21)



BP150166

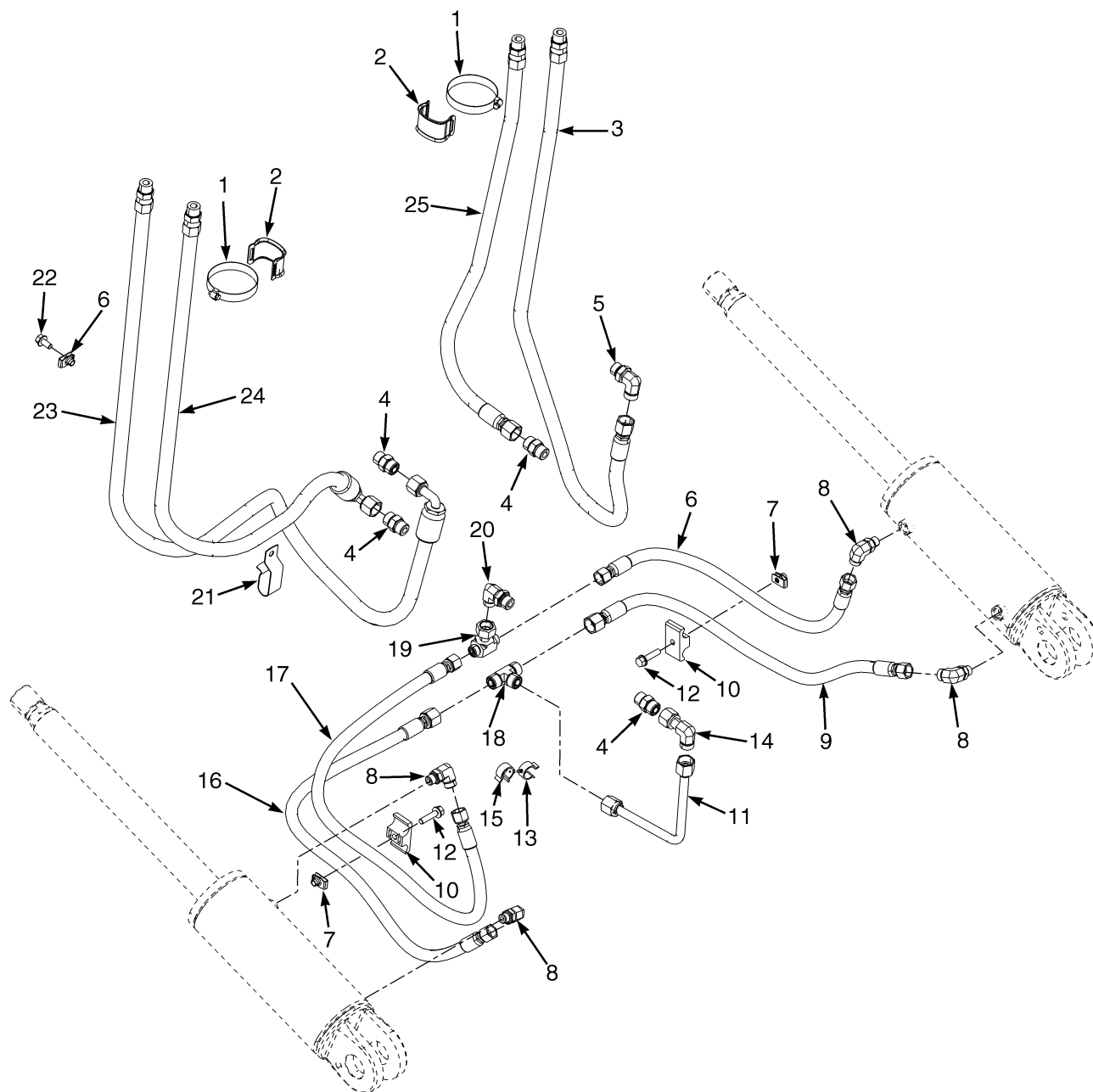
TILT CYLINDERS

ITEM	PART NO.	DESCRIPTION	QTY
	b 2085566	Tilt Cylinder.....	1
	d 2081138	Tilt Cylinder.....	1
	a 2081137	Tilt Cylinder.....	1
	c 2094938	Tilt Cylinder.....	1
1	193554	Rod Wiper	1
2	1380878	Gland.....	1
3	638248	Back-Up Ring	1
4	1381085	Rod Seal.....	1
5	334155	Wear Ring	1
6	270330	Back-Up Ring	1
7	46629	O-Ring	1
8	d 2035318	Rod.....	1
8	a 2035316	Rod.....	1
8	b 2035317	Rod.....	1
8	c 2062535	Rod.....	1
9	199917	O-Ring	1
10	1313196	Spacer	1
10	1383031	Spacer	1
11	2044372	Piston Seal	1
12	352287	Guide Ring	1
13	352247	Piston	1
14	2036547	Nut.....	1
15	2082190	Shell	1
15	.....	Tube	1
15	.....	O-Ring.....	2
15	352243	Pivot-End.....	1
15	352244	Pivot-End (Casting).....	2
	1493306	Seal Kit (Includes Items 1, 3-7, 9, 11-12)	1

FOOTNOTES:

- a** 12° Forward/6° Back
b 6° Forward/10° Back
c 6° Forward/5° Back
d 6° Forward/6° Back

TILT AND AUXILIARY HOSES (Figure 9-22)



BP150167

TILT AND AUXILIARY HOSES**KEY:****A: Third Function****B: Fourth Function**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1360508	Clamp	1	2
2	1502809	Clamp	1	2
3	2086293	Hose	1	1
4	1473887	Fitting	2	4
4	265731	O-Ring	1	1
4	16484	O-Ring	1	1
5	1473897	Fitting	1	2
5	265731	O-Ring	1	2
5	16484	O-Ring	1	2
6	2088913	Hose	1	1
7	1480237	Clip Nut	1	2
8	1487063	Fitting	4	4
8	265787	O-Ring	1	1
8	16483	O-Ring	1	1
9	2075858	Hose	1	1
10	1605479	Clamp (Dual Hose)	1	1
11	2083765	Tube	1	1
12	1586627	Capscrew	2	2
13	1502066	Clamp	..	1
14	1486772	Fitting	1	1
14	265731	O-Ring	1	1
15	1502053	Clamp	..	1
16	2088914	Hose	1	1
17	2075859	Hose	1	1
18	1522426	Fitting	1	1
18	265731	O-Ring	3	3
19	1488464	Fitting	1	1
19	265787	O-Ring	3	3
20	1487061	Fitting	1	1
20	265787	O-Ring	1	1
20	16484	O-Ring	1	1
21	1544157	Clamp	..	1
22	1527879	Capscrew	1	1
23	2084867	Hose	..	1
24	2086157	Hose	..	1
25	2087309	Hose	1	1

[illegible]

10

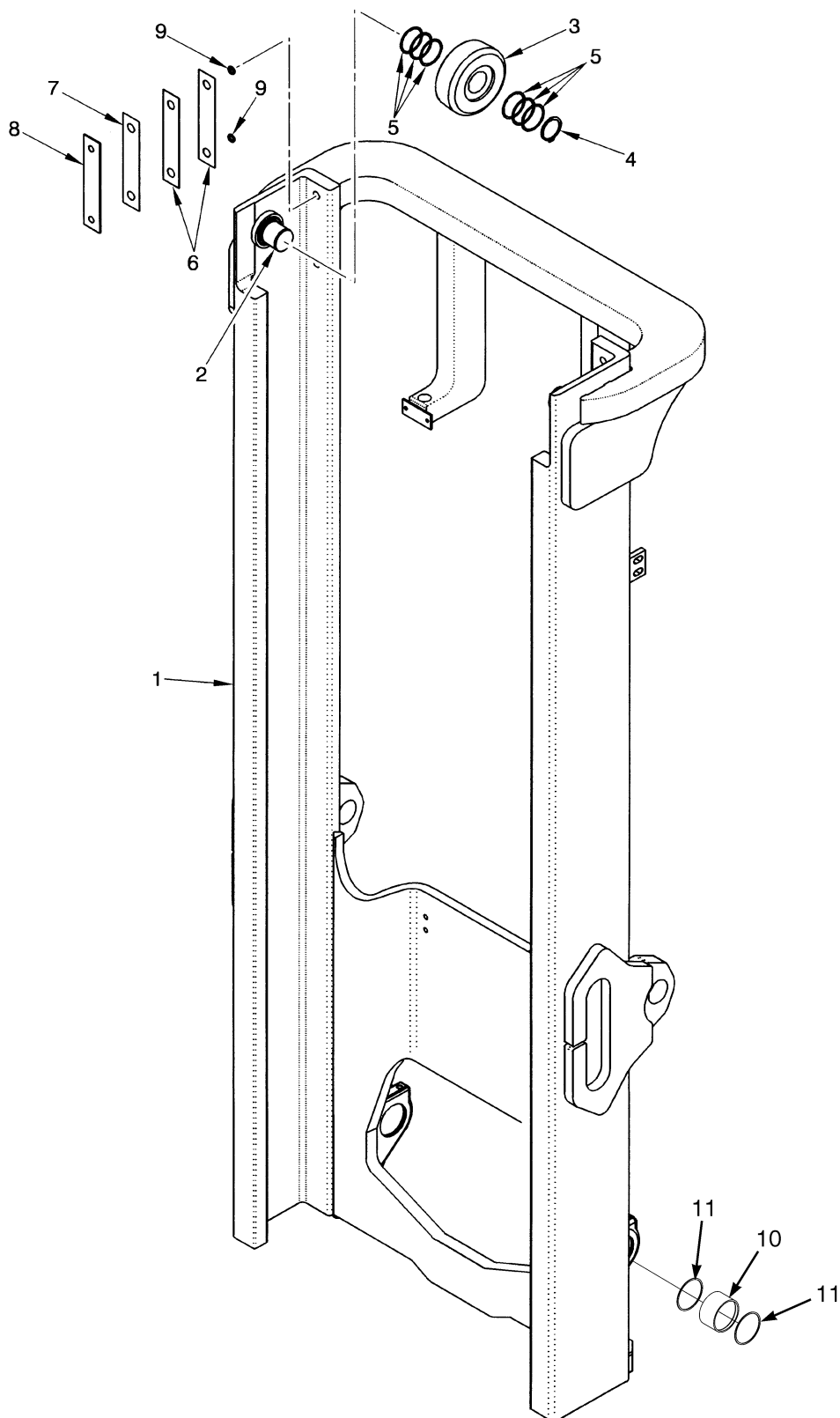
MAST-TWO STAGE LIMITED FREE-LIFT

SECTION 10

MAST-TWO STAGE LIMITED FREE-LIFT

DESCRIPTION	PAGE
CARRIAGE	
TWO STAGE LIMITED FREE-LIFT	10-18
HEADER HOSE	
TWO STAGE LIMITED FREE-LIFT	10-14
INNER MAST	
TWO STAGE LIMITED FREE-LIFT	10-4
MAIN CYLINDER (H100-120FT)	
TWO STAGE LIMITED FREE-LIFT	10-12
MAIN CYLINDER (H80-90FT)	
TWO STAGE LIMITED FREE-LIFT	10-10
MAIN LIFT	
TWO STAGE LIMITED FREE-LIFT	10-6
OUTER MAST	
TWO STAGE LIMITED FREE-LIFT	10-2

OUTER MAST (Figure 10-1) TWO STAGE LIMITED FREE-LIFT



HP170039

**OUTER MAST
TWO STAGE LIMITED FREE-LIFT****H100-120FT**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS		
		2740 mm (107.9 in.)	3340 mm (131.5 in.)	3940 mm (155.1 in.)
	Mast Group Number	B750 2740	B750 3340	B750 3940
	Mast Assembly	2071818	2071824	2071830
1	Outer Mast	1573127	1573133	1573139

H80-90FT

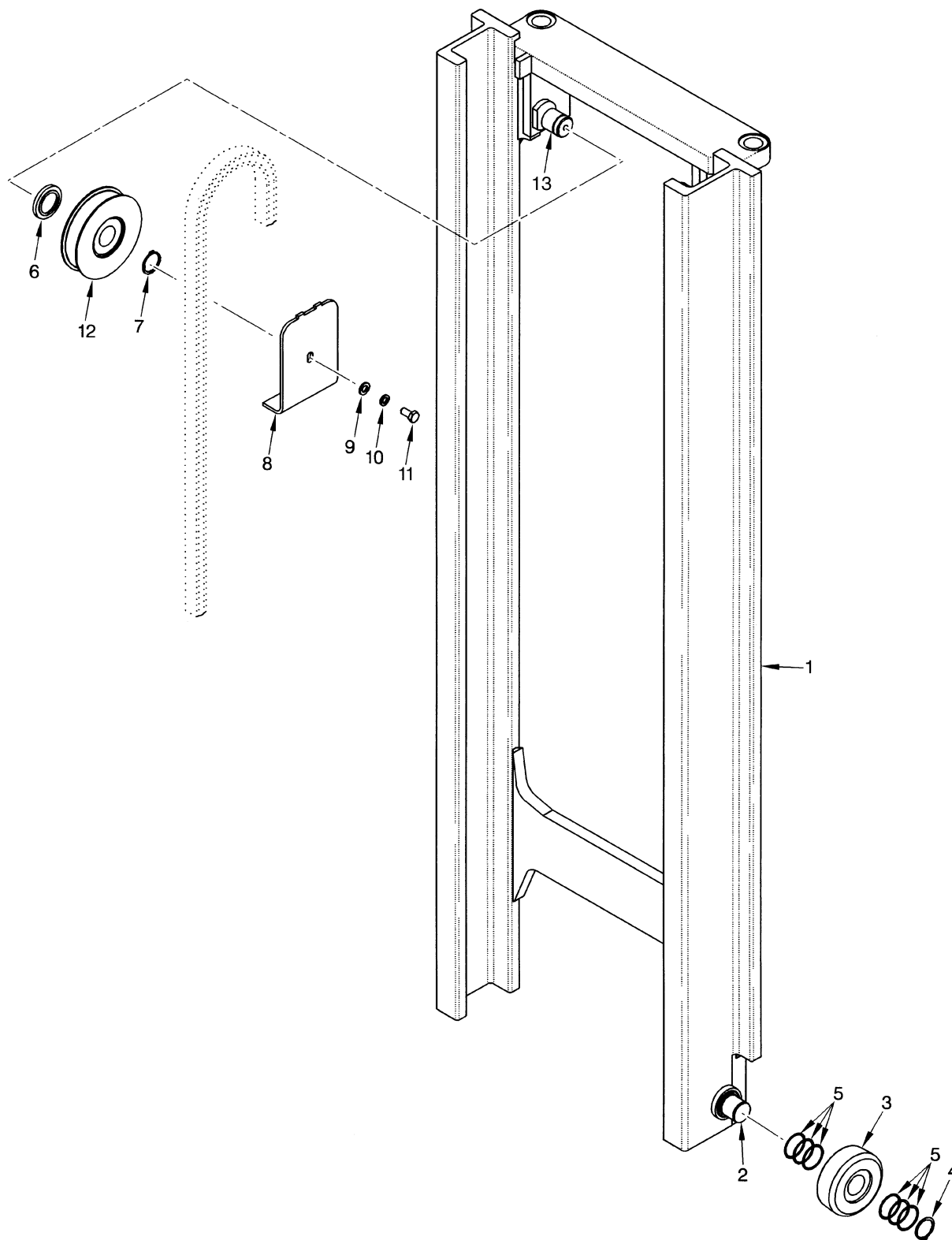
ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS		
		3000 mm (118.1 in.)	3600 mm (141.7 in.)	4200 mm (165.4 in.)
	Mast Group Number	B749 3000	B749 3600	B749 4200
	Mast Assembly	2071745	2071750	2071756
1	Outer Mast	1573127	1573133	1573139

KEY:**A: H80-90FT****B: H100-120FT**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	a	Mast Assembly	1	1
1	a	Outer Mast.....	1	1
2	1500744	Stubshaft.....	2	2
3	1399204	Load Roller (124.31 mm).....	2	2
4	1465072	Snap Ring.....	2	2
5	126765	Shim (0.020 in.).....	12	12
6	161273	Shim (0.020 in.).....	AR	AR
7	161272	Shim (0.007 in.).....	AR	AR
8	104264	Bearing Strip	2	2
9	104506	O-Ring	4	4
10	1485449	Bushing	2	2
11	1465518	Snap Ring.....	4	4

FOOTNOTES:**a** Refer to Table

INNER MAST (Figure 10-2) TWO STAGE LIMITED FREE-LIFT



HP170040

**INNER MAST
TWO STAGE LIMITED FREE-LIFT****H100-120FT**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS		
		2740 mm (107.9 in.)	3340 mm (131.5 in.)	3940 mm (155.1 in.)
	Mast Group Number	B750 2740	B750 3340	B750 3940
	Mast Assembly	2071818	2071824	2071830
1	Inner Mast	1395384	1395390	1395396

H80-90FT

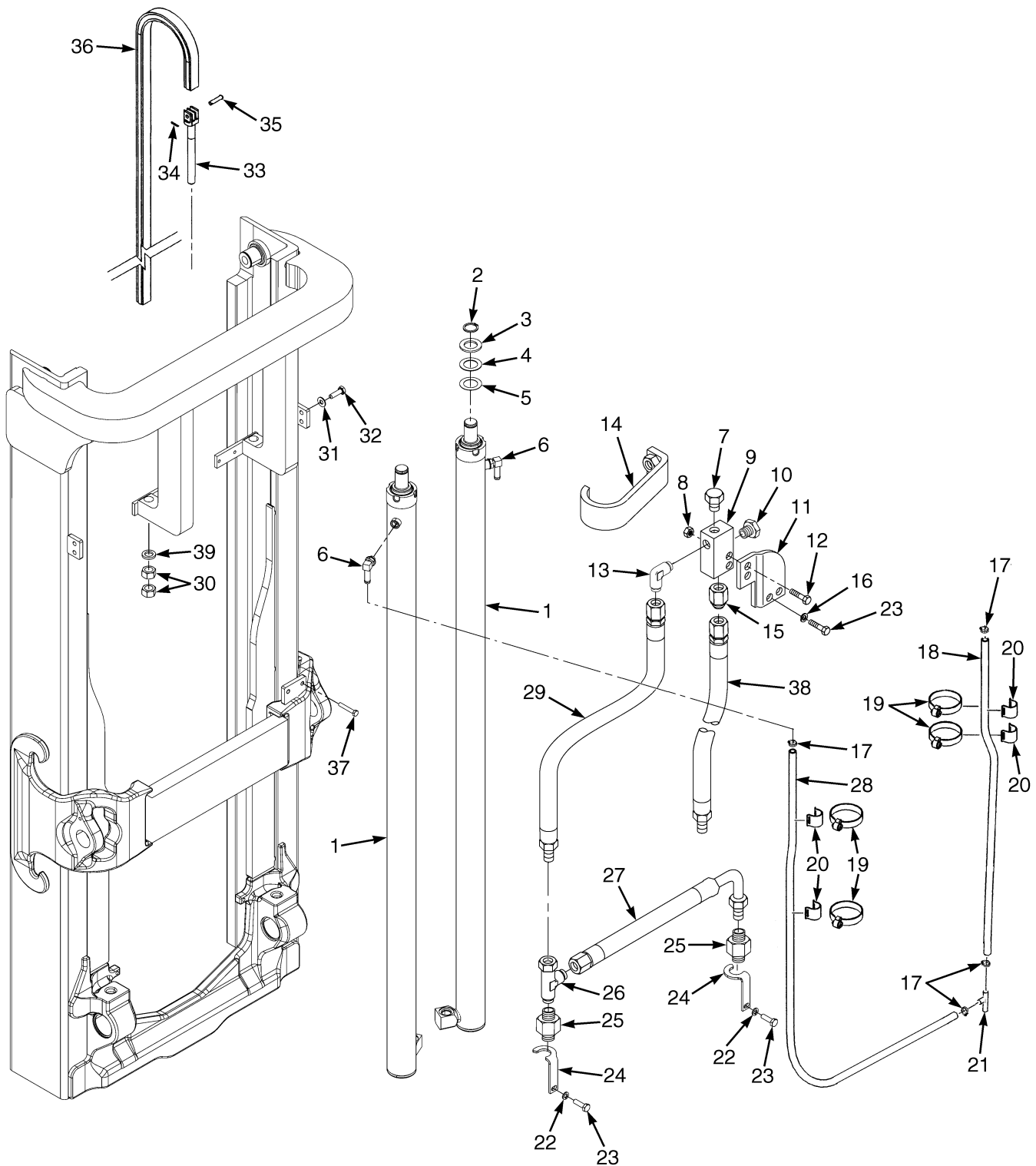
ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS		
		3000 mm (118.1 in.)	3600 mm (141.7 in.)	4200 mm (165.4 in.)
	Mast Group Number	B749 3000	B749 3600	B749 4200
	Mast Assembly	2071745	2071750	2071756
1	Inner Mast	1395384	1395390	1395396

KEY:**A: H80-90FT****B: H100-120FT**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	a	Mast Assembly	1	1
1	a	Inner Mast	1	1
2	1500744	Stubshaft.....	2	2
3	1399204	Load Roller (124.31 mm).....	2	2
4	1465072	Snap Ring.....	2	2
5	126765	Shim (0.020 in.).....	12	12
6	1389846	Spacer.....	2	2
7	12891	Snap Ring.....	2	2
8	1389959	Chain Guard Bracket.....	2	2
9	1581559	Washer	2	2
10	1581564	Lockwasher	2	2
11	1581590	Capscrew	2	2
12	1387745	Chain Sheave	2	..
12	1387744	Chain Sheave	..	2
13	1389932	Stubshaft	2	2

FOOTNOTES:**a** Refer to Table

MAIN LIFT (Figure 10-3) TWO STAGE LIMITED FREE-LIFT



BP170251

**MAIN LIFT
TWO STAGE LIMITED FREE-LIFT****H100-120FT**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS		
		2740 mm (107.9 in.)	3340 mm (131.5 in.)	3940 mm (155.1 in.)
	Mast Group Number	B750 2740	B750 3340	B750 3940
18	Hose (RH)	78561	1399088	1399100
28	Hose (LH)	1399095	1399107	1399119
36	Chain	338647	348149	356917

H80-90FT

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS		
		3000 mm (118.1 in.)	3600 mm (141.7 in.)	4200 mm (165.4 in.)
	Mast Group Number	B749 3000	B749 3600	B749 4200
18	Hose (RH)	1399081	1399093	1399105
28	Hose (LH)	1399100	1399112	1399124
36	Chain	182342	191072	191076

KEY:**A: H80-90FT****B: H100-120FT**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	.....	Main Cylinder (☞ Figure 10-4, ☞ Figure 10-5)	2	2
2	304523	Snap Ring.....	2	2
3	332061	Washer	2	2
4	142247	Shim	AR	AR
5	1325120	Shim	AR	AR
6	110178	Fitting.....	2	2
6	16483	O-Ring.....	1	1
7	14603	Fitting.....	1	1
7	16486	O-Ring.....	1	1
8	1581566	Nut.....	10	10
9	1388019	Housing	1	1
10	14595	Fitting.....	1	1
10	199524	Plug.....	1	1
10	16484	O-Ring.....	1	1
11	1477559	Bracket	1	1
12	1581583	Capscrew	2	2
13	1487068	Fitting.....	1	1
13	16484	O-Ring.....	1	1
14	1474399	Bracket	2	2
15	1550197	Control Valve (Lowering)	1	..
15	1550198	Control Valve (Lowering)	..	1

MAIN LIFT

TWO STAGE LIMITED FREE-LIFT

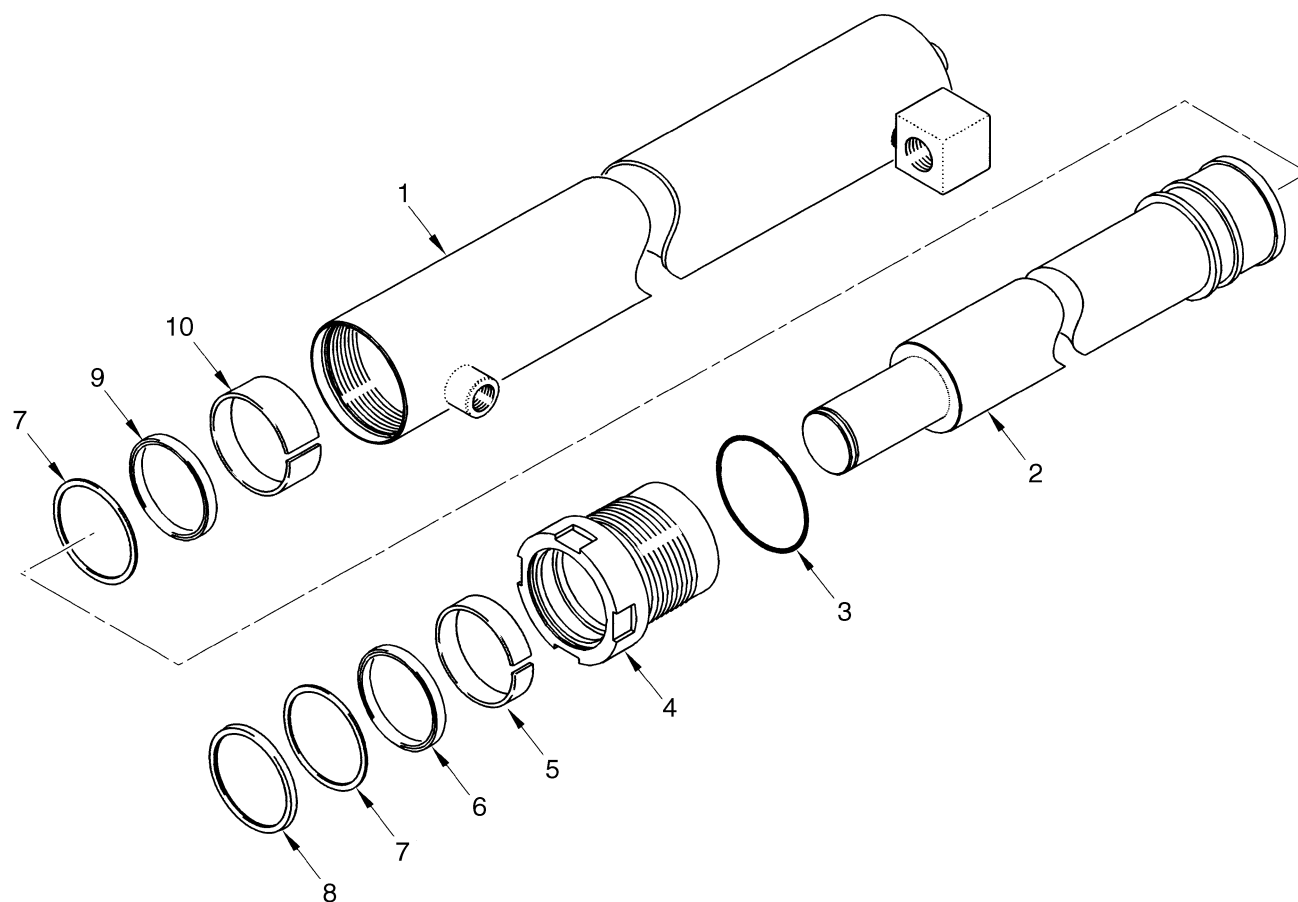
ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
16	110178	Fitting.....	2	2
17	379405	Clamp	4	4
18	a	Hose (RH)	1	1
19	1360529	Strap Clamp	4	..
20	1465585	Clamp	4	4
21	2046871	Fitting.....	1	1
22	1581586	Capscrew	2	2
23	1581585	Capscrew	4	4
24	1550384	Bracket (LH)	1	1
24	1550386	Bracket (RH).....	1	1
25	1550157	Velocity Fuse	2	..
25	1550158	Velocity Fuse	..	2
26	1487096	Fitting.....	1	1
27	2074181	Hose	1	1
28	a	Hose (LH)	1	1
29	2087555	Hose	1	1
30	1581896	Nut.....	4	4
31	1581558	Washer	4	4
32	1581588	Capscrew	4	4
33	1331990	Chain Anchor.....	2	..
33	1331991	Chain Anchor.....	..	2
34	15222	Cotter Pin	2	2
35	327591	Pin (Anchor)	2	..
35	339932	Pin (Anchor)	..	2
36	a	Chain	1	1
37	1581583	Capscrew	2	2
38	2076763	Hose	1	1

FOOTNOTES:

a Refer to Table

[illegible]

MAIN CYLINDER (H80-90FT) (Figure 10-4) TWO STAGE LIMITED FREE-LIFT



BP170220

**MAIN CYLINDER (H80-90FT)
TWO STAGE LIMITED FREE-LIFT****H80-90FT**

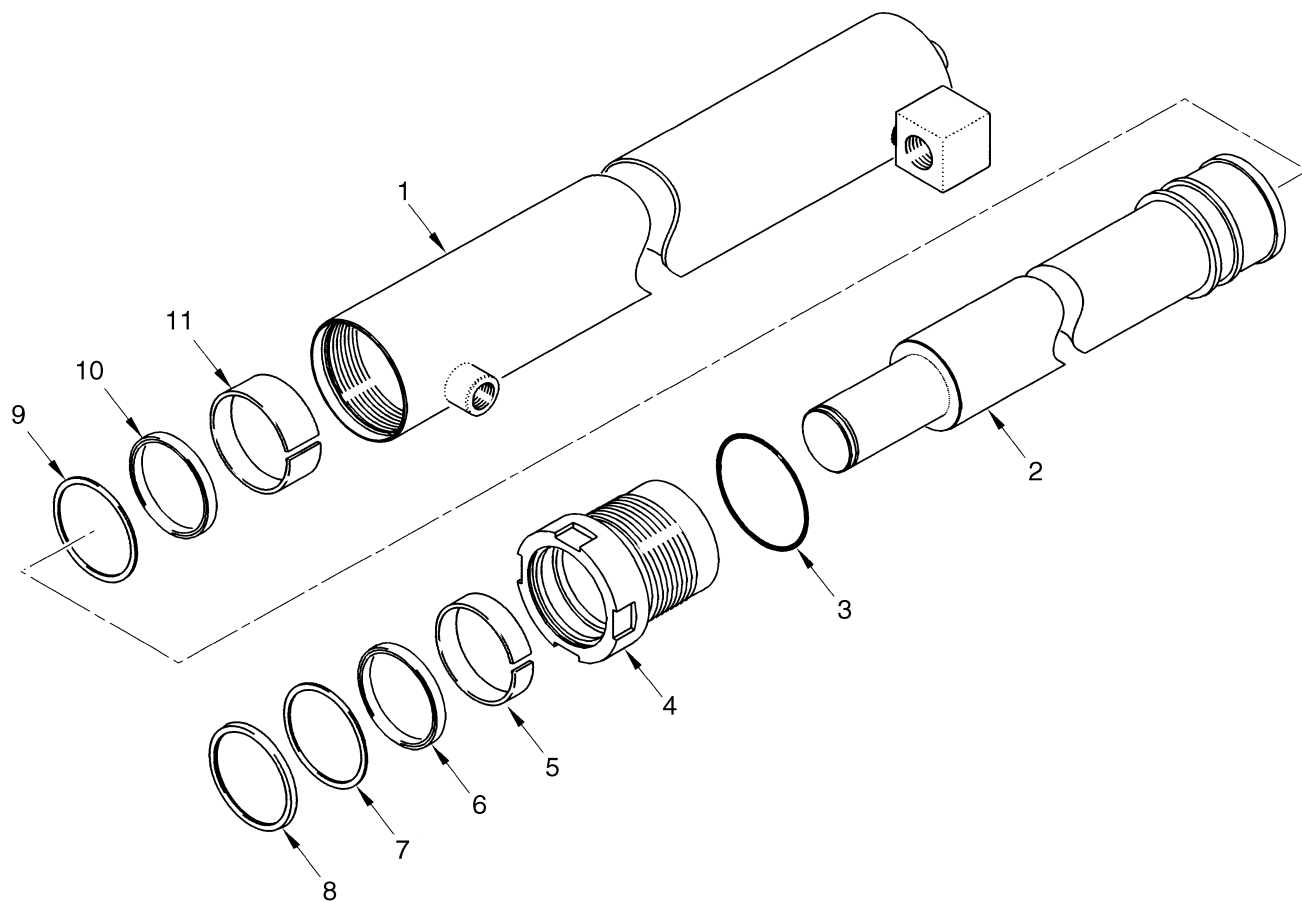
ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS		
		3000 mm (118.1 in.)	3600 mm (141.7 in.)	4200 mm (165.4 in.)
	Mast Group Number	B749 3000	B749 3600	B749 4200
	Cylinder Group Number	8527601	8527607	8527613
	Lift Cylinder	2074622	2074629	2074637
1	Shell	2075005	2075011	2075067
2	Rod	2075442	2075127	2075133

ITEM	PART NO.	DESCRIPTION	QTY
	a	Lift Cylinder.....	2
1	a	Shell	1
2	a	Rod.....	1
3	57664	O-Ring	1
4	2033243	Gland.....	1
5	215425	Wear Ring	1
6	270077	Rod Seal.....	1
7	638249	Back-Up Ring	2
8	1383066	Rod Wiper	1
9	1381061	Seal	1
10	297532	Wear Ring	1
	2035784	Seal Kit (Includes Items 3, 5-10)	1

FOOTNOTES:

a Refer to Table

MAIN CYLINDER (H100-120FT) (Figure 10-5) TWO STAGE LIMITED FREE-LIFT



BP170221

**MAIN CYLINDER (H100-120FT)
TWO STAGE LIMITED FREE-LIFT****H100-120FT**

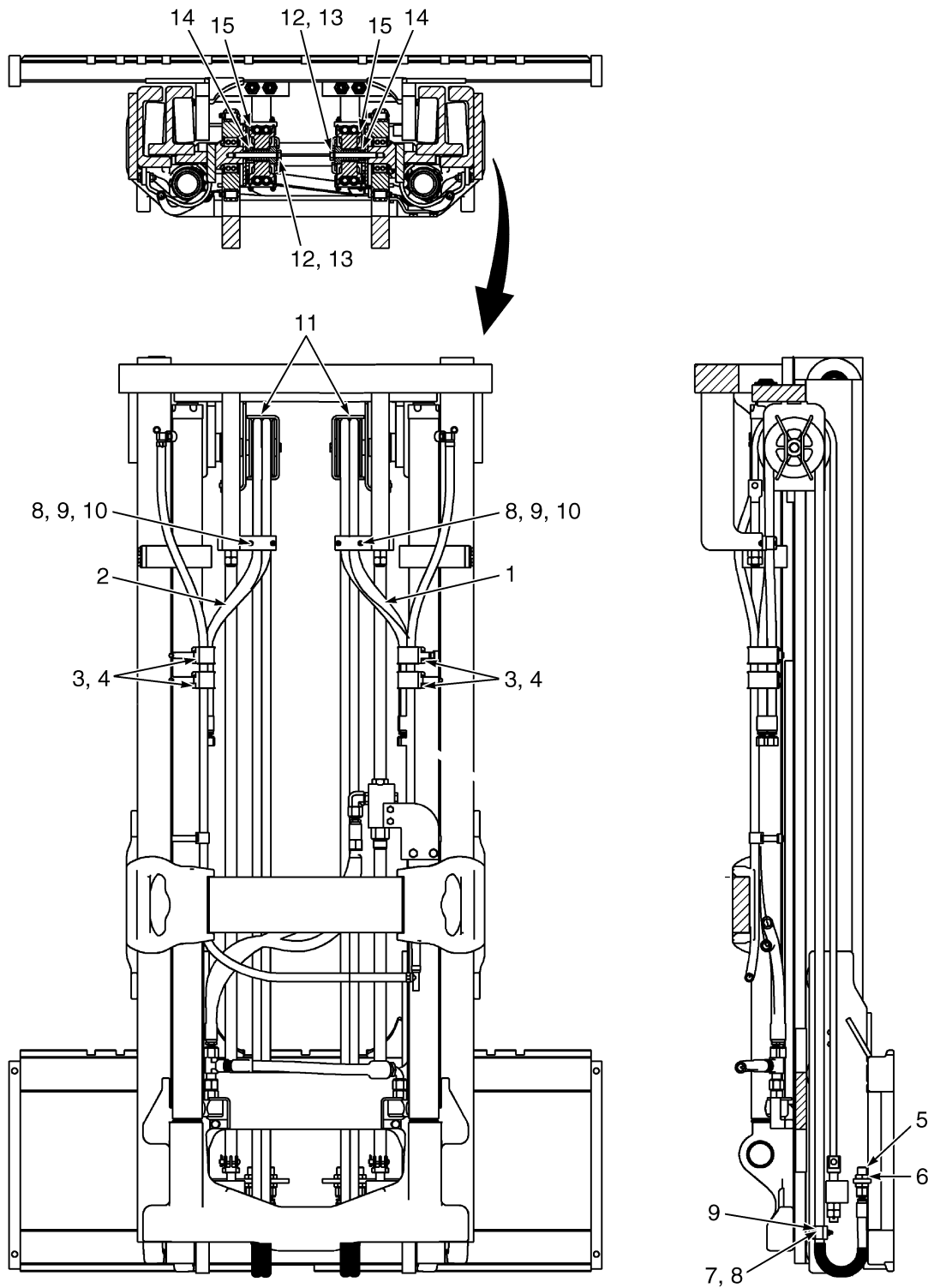
ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS		
		2740 mm (107.9 in.)	3340 mm (131.5 in.)	3940 mm (155.1 in.)
	Mast	B750	B750	B750
	Group Number	2740	3340	3940
	Cylinder	8527701	8527707	8527713
	Group Number			
	Lift Cylinder	2074895	2074901	2074954
1	Shell	2075089	2075095	2075101
2	Rod	2075151	2075157	2075163

ITEM	PART NO.	DESCRIPTION	QTY
	a	Lift Cylinder.....	2
1	a	Shell	1
2	a	Rod.....	1
3	15879	O-Ring	1
4	2033281	Gland.....	1
5	297532	Wear Ring	1
6	327807	Rod Seal.....	1
7	327808	Back-Up Ring	1
8	1383067	Rod Wiper	1
9	351532	Back-Up Ring	1
10	1381062	Seal	1
11	351531	Wear Ring	1
	2035785	Seal Kit (Includes Items 3, 5-11)	1

FOOTNOTES:

a Refer to Table

HEADER HOSE (Figure 10-6) TWO STAGE LIMITED FREE-LIFT



BP170252

HEADER HOSE TWO STAGE LIMITED FREE-LIFT

FOUR FUNCTION H100-120FT

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS		
		2740 mm (107.9 in.)	3340 mm (131.5 in.)	3940 mm (155.1 in.)
	Mast Group Number	B750 2740	B750 3340	B750 3940
	Mast Assembly	2071818	2071824	2071830
1	Hose	2083261	2083267	2083273
2	Hose	2083261	2083267	2083273

FOUR FUNCTION H80-90FT

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS		
		3000 mm (118.1 in.)	3600 mm (141.7 in.)	4200 mm (165.4 in.)
	Mast Group Number	B749 3000	B749 3600	B749 4200
	Mast Assembly	2071745	2071750	2071756
1	Hose	2083261	2083267	2083273
2	Hose	2083261	2083267	2083273

THREE FUNCTION H100-120FT

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS		
		2740 mm (107.9 in.)	3340 mm (131.5 in.)	3940 mm (155.1 in.)
	Mast Group Number	B750 2740	B750 3340	B750 3940
	Mast Assembly	2071818	2071824	2071830
1	Hose	2083261	2083267	2083273

THREE FUNCTION H80-90FT

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS		
		3000 mm (118.1 in.)	3600 mm (141.7 in.)	4200 mm (165.4 in.)
	Mast Group Number	B749 3000	B749 3600	B749 4200
	Mast Assembly	2071745	2071750	2071756
1	Hose	2083261	2083267	2083273

HEADER HOSE TWO STAGE LIMITED FREE-LIFT

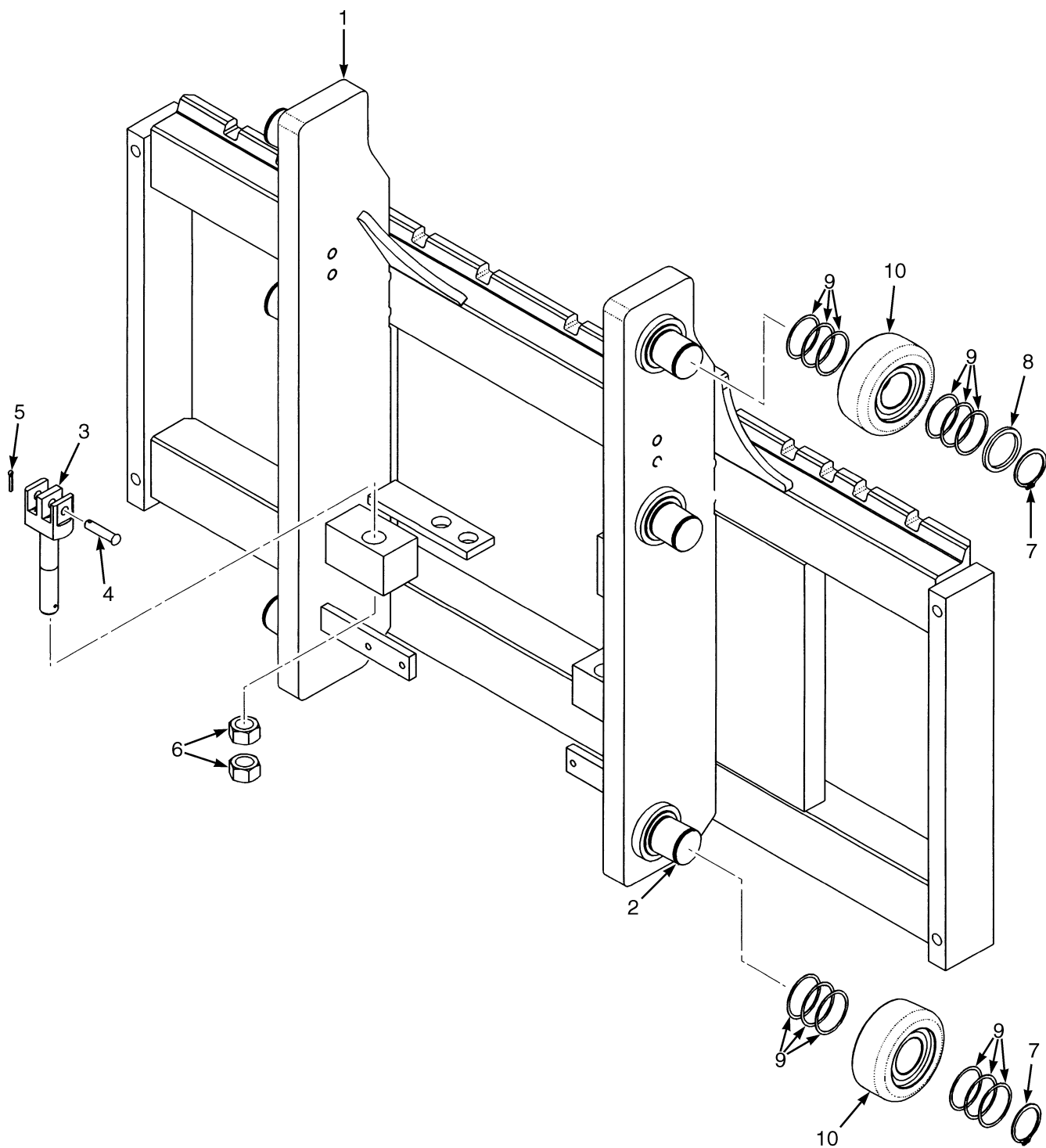
KEY:**A:** Three function**B:** Four Function

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	a	Mast Assembly	1	1
1	a	Hose	2	2
2	a	Hose	..	2
3	1465489	Clamp	2	4
4	1360507	Clamp	2	4
5	1529016	Cap	2	4
6	816591	Fitting.....	2	4
7	1581578	Capscrew	2	4
8	1581565	Nut.....	2	4
9	2035791	Clamp	2	4
10	1581577	Washer	2	4
11	1477570	Stubshaft	1	2
12	1581594	Capscrew	1	2
13	1581564	Lockwasher	1	1
14	1477578	Spacer	1	2
15	1495279	Sheave	1	2
15	332057	Bushing	1	2

FOOTNOTES:**a** Refer to Table

[illegible]

CARRIAGE (Figure 10-7) TWO STAGE LIMITED FREE-LIFT



BP170253

**CARRIAGE
TWO STAGE LIMITED FREE-LIFT****KEY:****A: H80-90FT****B: H100-120FT**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	2035667	Carriage Assembly (48 in.)	1	..
	2035669	Carriage Assembly (60 in.)	1	..
	2035671	Carriage Assembly (54 in.)	..	1
	2035672	Carriage Assembly (60 in.)	..	1
1	1388092	Frame (48 in.)	1	..
1	1388094	Frame (60 in.)	1	..
1	1387447	Frame (54 in.)	..	1
1	1387448	Frame (60 in.)	..	1
2	1500744	Stubshaft.....	6	6
3	1387285	Chain Anchor.....	2	..
3	1387286	Chain Anchor.....	..	2
4	327591	Pin (Anchor)	2	..
4	339932	Pin (Anchor)	..	2
5	15222	Cotter Pin	2	2
6	221717	Nut.....	4	4
7	1465072	Snap Ring.....	6	6
8	1399224	Spacer	2	2
9	126765	Shim (0.020 in.)	AR	AR
10	1511883	Load Roller (101.67 mm).....	6	6

[illegible]

11

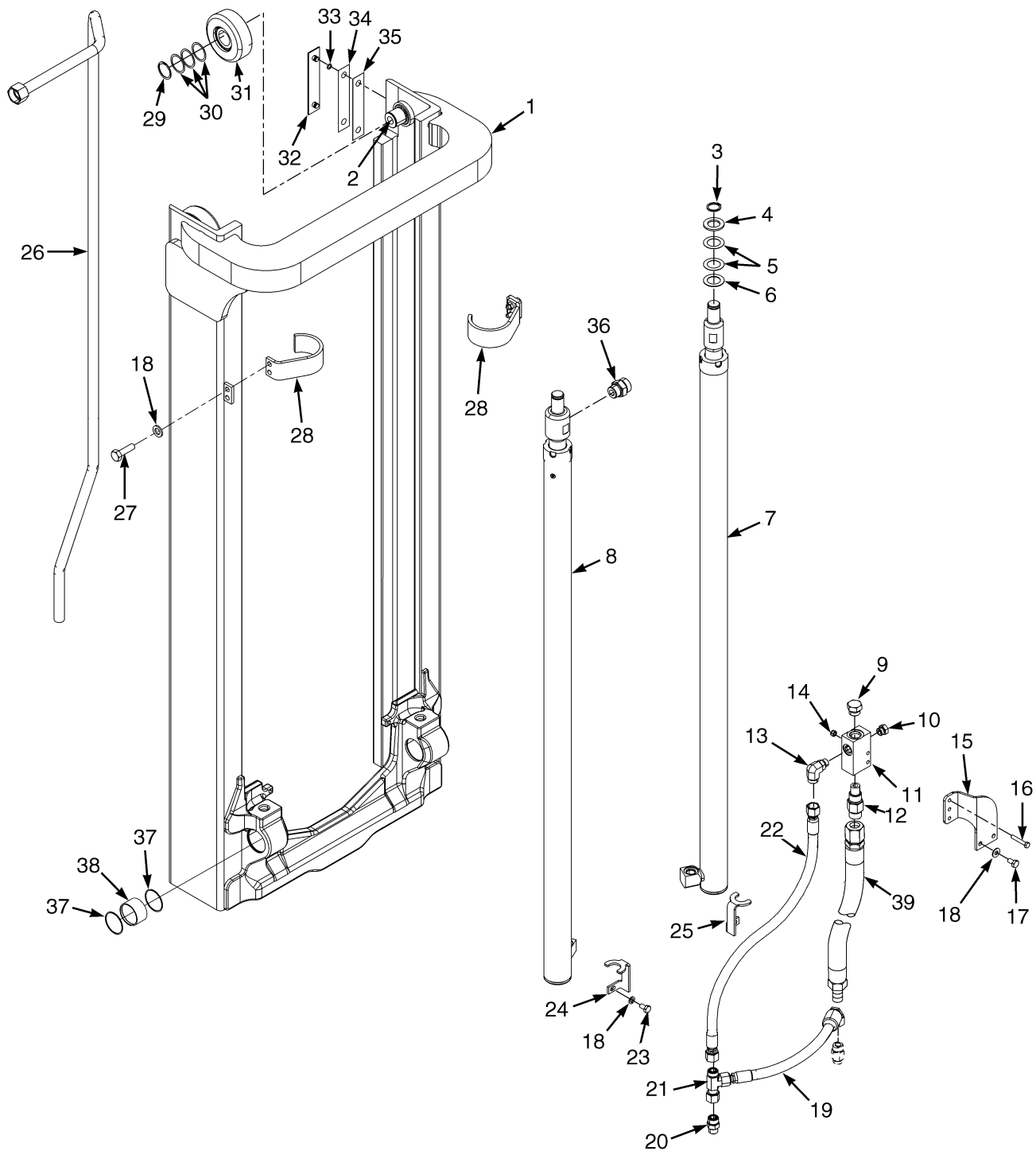
MAST-TWO STAGE FULL FREE-LIFT

SECTION 11

MAST-TWO STAGE FULL FREE-LIFT

DESCRIPTION	PAGE
CARRIAGE	
TWO STAGE FULL FREE-LIFT	11-22
FREE LIFT CYLINDER	
TWO STAGE FULL FREE-LIFT	11-14
HEADER HOSE	
TWO STAGE FULL FREE-LIFT	11-18
INNER MAST AND FREE LIFT	
TWO STAGE FULL FREE-LIFT	11-6
MAIN LIFT CYLINDER	
TWO STAGE FULL FREE-LIFT	11-10
OUTER MAST AND MAIN LIFT	
TWO STAGE FULL FREE-LIFT	11-2

OUTER MAST AND MAIN LIFT (Figure 11-1) TWO STAGE FULL FREE-LIFT



BP1700254

**OUTER MAST AND MAIN LIFT
TWO STAGE FULL FREE-LIFT****H100-120FT**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS	
		2765 mm (108.9 in.)	3365 mm (132.5 in.)
	Mast Group Number	B754 2765	B754 3365
	Mast Assembly	2071969	2071975
1	Outer Mast	1573779	1573785
26	Tube	2072127	2072133

H80-90FT

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS	
		3025 mm (119.1 in.)	3625 mm (142.7 in.)
	Mast Group Number	B753 3025	B753 3625
	Mast Assembly	2071931	2071937
1	Outer Mast	1573779	1573785
26	Tube	2072127	2072133

KEY:**A: H80-90FT****B: H100-120FT**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	b	Mast Assembly	1	1
1	b	Outer Mast.....	1	1
2	1500744	Stubshaft.....	2	2
3	304523	Snap Ring	2	2
4	332061	Washer	2	2
5	1325120	Shim	AR	AR
6	142247	Shim	AR	AR
7		Main Cylinder (RH) (☞ Figure 11-3)	1	1
8		Main Cylinder (LH) (☞ Figure 11-3)	1	1
9	14603	Fitting.....	1	1
9	16486	O-Ring.....	1	1
10	14595	Fitting.....	1	1
11	1388019	Housing (Control Valve)	1	1
11	16484	O-Ring.....	1	1
12	1550197	Control Valve (Lowering)	1	..
12	16982	O-Ring.....	1	..
12	1550198	Control Valve (Lowering)	..	1
12	16982	O-Ring.....	..	1
13	1487068	Fitting.....	1	1
13	252729	O-Ring.....	1	1
13	16484	O-Ring.....	1	1

OUTER MAST AND MAIN LIFT TWO STAGE FULL FREE-LIFT

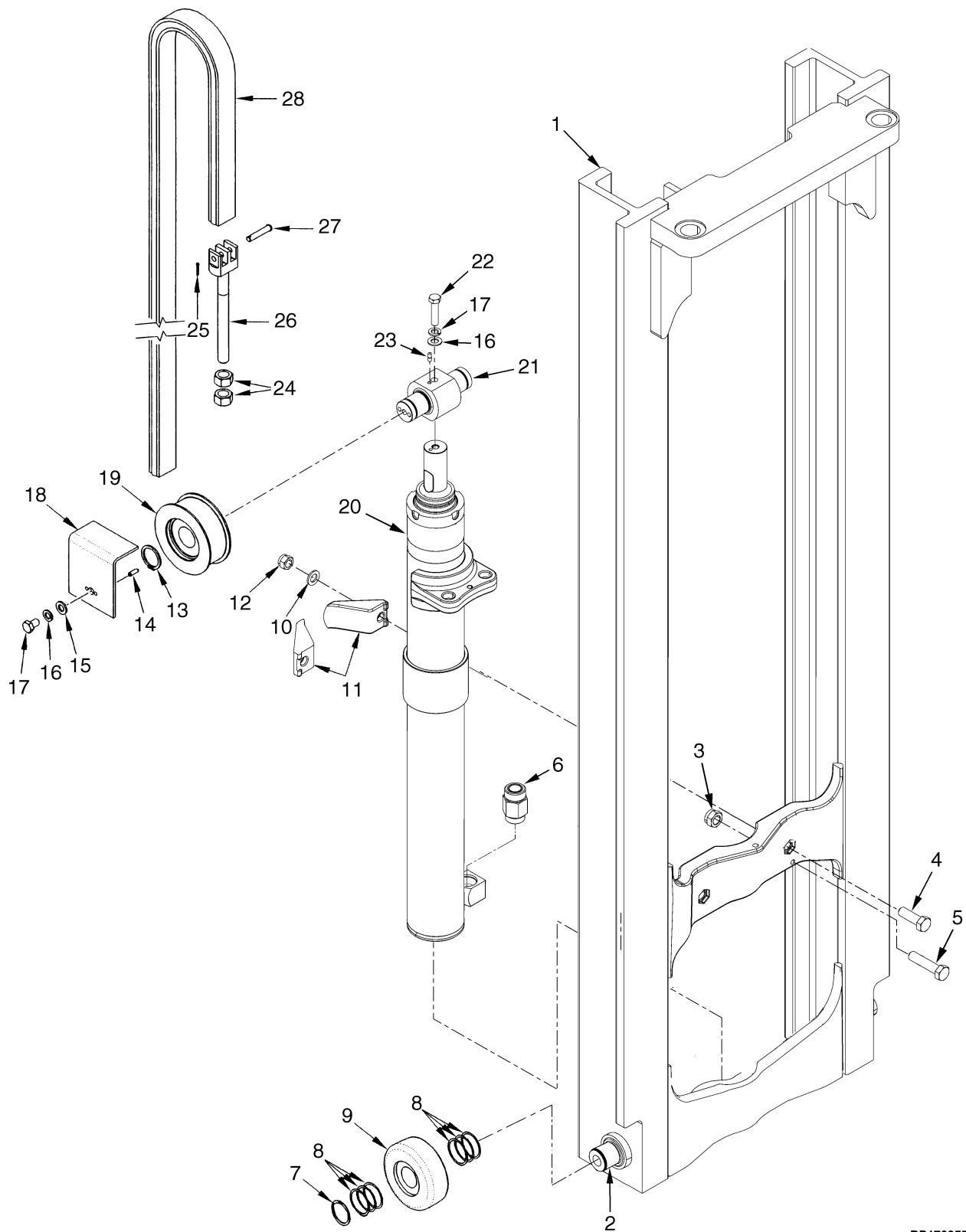
ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
14	1581566	Nut.....	4	4
15	1477559	Bracket	2	2
16	1581583	Capscrew	2	2
17	1581585	Capscrew	2	2
18	1581558	Washer	6	6
19	2074181	Hose	1	1
20	1486749	Fitting.....	1	1
20	16485	O-Ring.....	1	1
20	252729	O-Ring.....	1	1
21	1487096	Fitting.....	1	1
21	252729	O-Ring.....	2	2
22	2075535	Hose	1	1
23	1581586	Capscrew	2	2
24	1474399	Bracket	2	2
25	1550387	Bracket	2	2
26	b	Tube.....	1	1
27	1581588	Capscrew	4	4
28	a 1550385	Bracket (LH)	1	1
28	1550387	Bracket (RH).....	1	1
29	1465072	Snap Ring.....	2	2
30	126765	Shim (0.020 in.)	12	12
31	1399204	Load Roller (124.31 mm).....	2	2
32	104264	Bearing Strip	2	2
33	104506	O-Ring.....	4	4
34	161272	Shim (0.007 in.)	AR	AR
35	161273	Shim (0.020 in.)	AR	AR
36	1304349	Fitting.....	1	1
37	1465518	Snap Ring.....	4	4
38	1485449	Bushing	2	2
39	2076763	Hose	1	1

FOOTNOTES:

- a** Optional
b Refer to Table

[illegible]

INNER MAST AND FREE LIFT (Figure 11-2) TWO STAGE FULL FREE-LIFT



BP170255

**INNER MAST AND FREE LIFT
TWO STAGE FULL FREE-LIFT****H100 - 120FT**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS	
		2765 mm (108.9 in.)	3365 mm (132.5 in.)
	Mast Group Number	B754 2765	B754 3365
	Mast Assembly	2071969	2071975
1	Inner Mast	1573809	1573815
28	Chain	386885	337189

H80 - 90FT

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS	
		3025 mm (119.1 in.)	3625 mm (142.7 in.)
	Mast Group Number	B753 3025	B753 3625
	Mast Assembly	2071931	2071937
1	Inner Mast	1573809	1573815
28	Chain	337189	339897

ITEM	PART NO.	DESCRIPTION	QTY
	a	Mast Assembly	1
1	a	Inner Mast	1
2	1500744	Stubshaft.....	4
3	1581566	Nut.....	3
4	1639154	Capscrew	2
5	1581582	Capscrew	1
6	1550193	Velocity Fuse (H80-90FT)	1
6	1550194	Velocity Fuse (H100-120FT)	1
7	1465072	Snap Ring.....	4
8	126765	Shim (0.020 in.)	24
9	1399204	Load Roller (124.31 mm).....	4
10	297649	Base Ring.....	2
11	2088450	Bracket (H80-90FT).....	2
11	2088451	Bracket (H100-120FT).....	2
12	161003	Nut.....	2
13	304527	Snap Ring.....	2
14	302472	Pin	2
15	1581559	Washer	2
16	1581564	Lockwasher	2
17	1581589	Capscrew	2
18	1387519	Guard	2
19	1387743	Chain Sheave Assembly	2
19	1387740	Sheave	1
19	40667	Snap Ring	2
19	126764	Double Row Ball Bearing	1
20		Free-Lift Cylinder (See Figure 11-4)	1

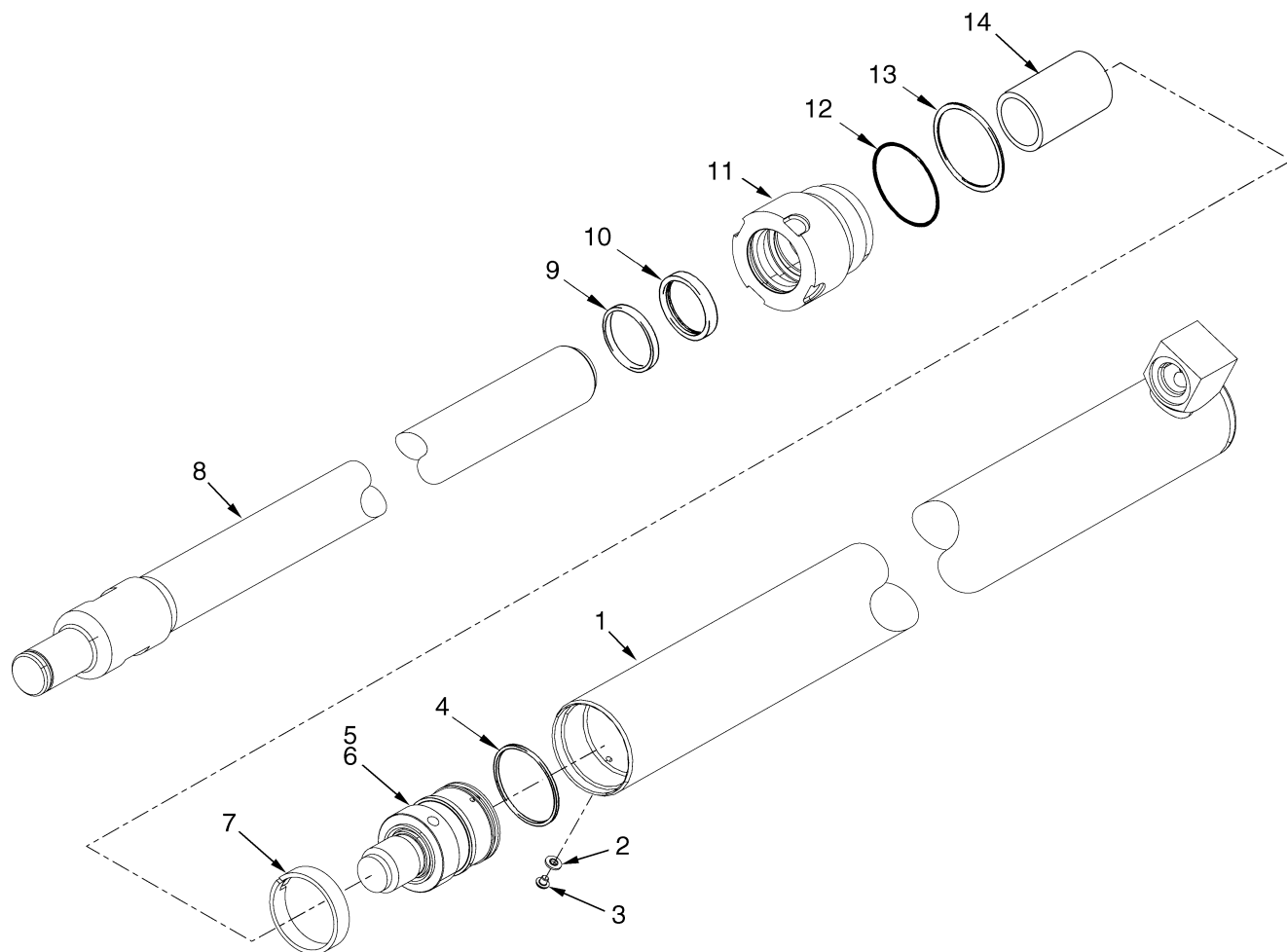
**INNER MAST AND FREE LIFT
TWO STAGE FULL FREE-LIFT**

ITEM	PART NO.	DESCRIPTION	QTY
21	1573177	Crosshead	1
22	1597456	Capscrew	1
23	310549	Pin	1
24	1581896	Nut.....	4
25	15222	Cotter Pin	2
26	1331991	Chain Anchor.....	2
27	339932	Pin	2
28	a	Chain	2

FOOTNOTES:**a** Refer to Table

[illegible]

MAIN LIFT CYLINDER (Figure 11-3) TWO STAGE FULL FREE-LIFT



BP170217

**MAIN LIFT CYLINDER
TWO STAGE FULL FREE-LIFT****LEFT HAND**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS			
		2765 mm (108.9 in.)	3025 mm (119.1 in.)	3365 mm (132.5 in.)	3625 mm (142.7 in.)
	Mast Group Number	B754 2765	B753 3025	B754 3365	B753 3625
	Cylinder Group Number	8503351	8503251	8503357	8503257
	Lift Cylinder	2074126	2073992	2074138	2073998
1	Shell	2074022	2074022	2074042	2074042
8	Rod	1400851	1400551	1400857	1400557

RIGHT HAND

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS			
		2765 mm (108.9 in.)	3025 mm (119.1 in.)	3365 mm (132.5 in.)	3625 mm (142.7 in.)
	Mast Group Number	B754 2765	B753 3025	B754 3365	B753 3625
	Cylinder Group Number	8503301	8503201	8503307	8503207
	Lift Cylinder	2074087	2073953	2074093	2073968
1	Shell	2074022	2074022	2074042	2074042
8	Rod	1400801	1400501	1400807	1400507

ITEM	PART NO.	DESCRIPTION	QTY
	c	Lift Cylinder	1
1	c	Shell	1
2	190887	Seal	1
3	295649	Screw	1
4	b 1379063	Piston Ring (RH)	1
5	1381056	Piston (RH)	1
5	1381055	Piston (LH)	1
6	264134	Sealant	1
7	2038675	Wear Ring	1
8	c	Rod	1
9	a 1310370	Wiper Ring	1
9	1310371	Wiper Ring	1
10	a 1381084	Rod Seal	1
10	1381086	Rod Seal	1
11	a 2033295	Gland	1
11	2033296	Gland	1
12	198518	O-Ring	1
13	166659	Back-Up Ring	1
14	b 357626	Spacer	1

**MAIN LIFT CYLINDER
TWO STAGE FULL FREE-LIFT**

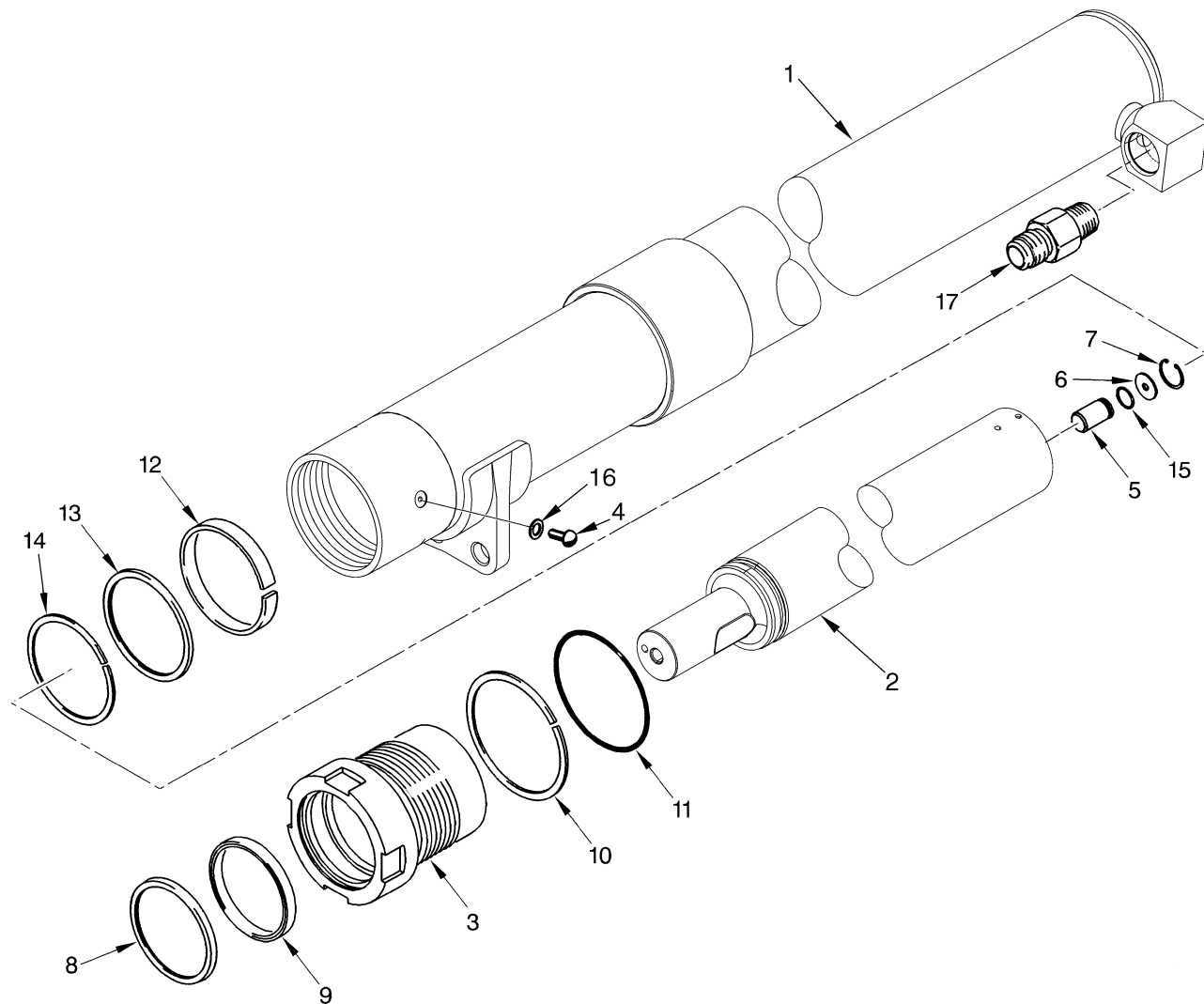
ITEM	PART NO.	DESCRIPTION	QTY
	a 2038676	Seal Kit (Includes Items 2, 7, 9-10, 12-13)	1
	b 2038679	Seal Kit (Includes Items 2, 7, 9-10, 12-13)	1

FOOTNOTES:

- a** B753
- b** B754
- c** Refer to Table

[illegible]

FREE LIFT CYLINDER (Figure 11-4) TWO STAGE FULL FREE-LIFT



BP170214

**FREE LIFT CYLINDER
TWO STAGE FULL FREE-LIFT****H100-120FT**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS	
		2765 mm (108.9 in.)	3365 mm (132.5 in.)
	Mast Group Number	B754 2765	B754 3365
	Cylinder Group Number	8527801	8527807
	Free-Lift Cylinder	2073553	2073570
1	Shell	2073626	2073634
2	Rod	2073681	2073687

H80-90FT

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS	
		3025 mm (119.1 in.)	3625 mm (142.7 in.)
	Mast Group Number	B753 3025	B753 3625
	Cylinder Group Number	8501701	8501707
	Free-Lift Cylinder	2073395	2073401
1	Shell	2073257	2073263
2	Rod	2073223	2073229

KEY:**A: H80-90FT****B: H100-120FT**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	a	Free-Lift Cylinder	1	1
1	a	Shell	1	1
2	a	Rod	1	1
3	2036282	Gland	1	..
3	1541640	Gland	..	1
4	1361302	Screw	1	1
5	257913	Check Valve	1	1
6	297531	Washer	1	1
7	187388	Snap Ring	1	1
8	1383070	Rod Wiper	1	1
9	637161	Rod Seal	1	1
10	164632	Back-Up Ring	1	..
10	615145	Back-Up Ring	..	1
11	46629	O-Ring	1	..
11	15885	O-Ring	..	1
12	636950	Wear Ring	1	..
12	1380982	Wear Ring	..	1

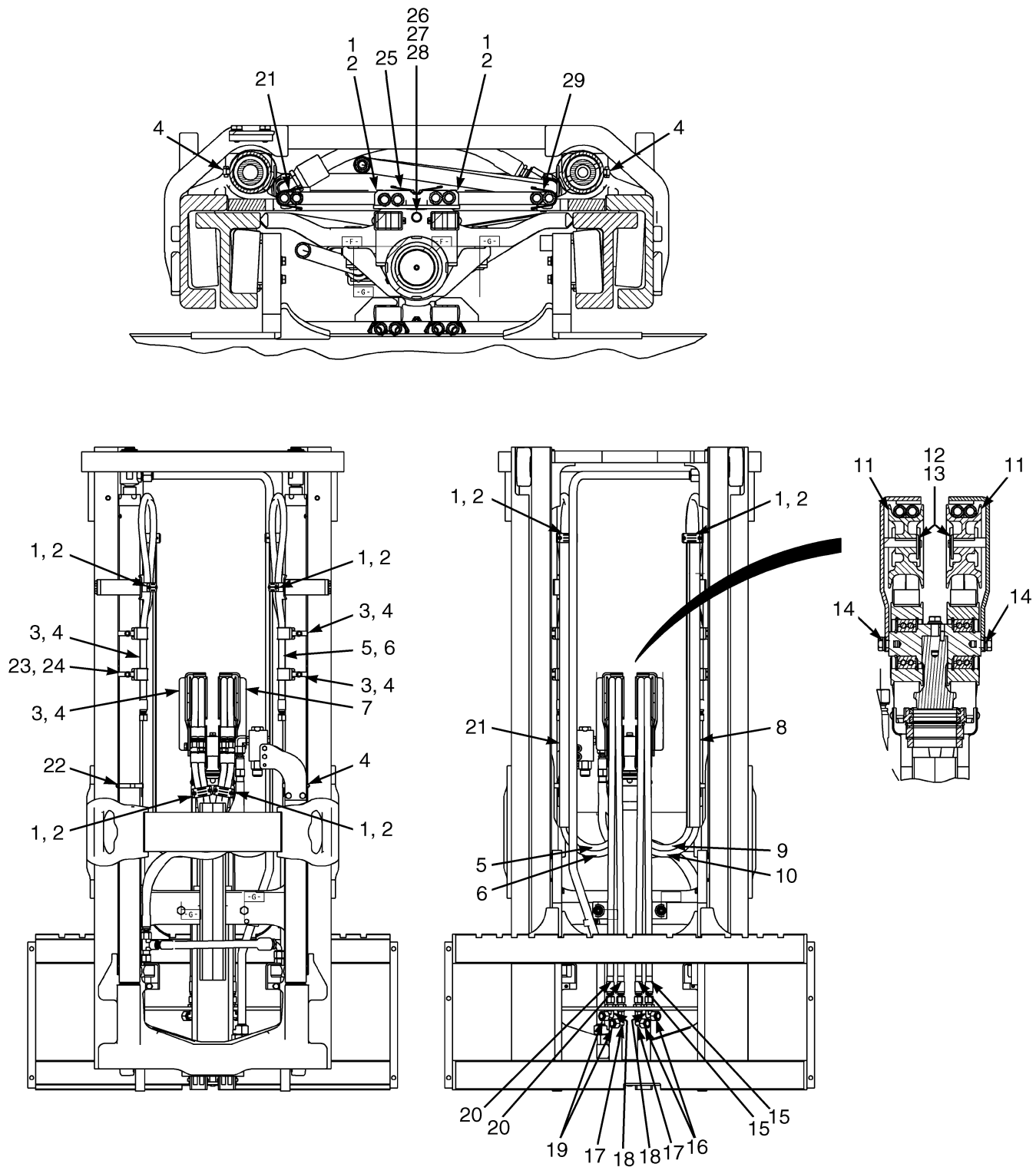
**FREE LIFT CYLINDER
TWO STAGE FULL FREE-LIFT**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
13	637162	Seal	1	..
13	364059	Seal	..	1
14	638293	Back-Up Ring	1	..
14	1381074	Back-Up Ring	..	1
15	39348	O-Ring	1	..
15	190580	O-Ring	..	1
16	190887	Seal	1	1
17	1550193	Velocity Fuse	1	..
17	1550194	Velocity Fuse	..	1
	2036279	Seal Kit (Includes Items 8-16)	1	..
	2065889	Seal Kit (Includes Items 8-12, 14-16)	..	1

FOOTNOTES:**a** Refer to Table

[illegible]

HEADER HOSE (Figure 11-5) TWO STAGE FULL FREE-LIFT



BP170256

HEADER HOSE TWO STAGE FULL FREE-LIFT

H100-120FT (FOUR FUNCTION)

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS	
		2765 mm (108.9 in.)	3365 mm (132.5 in.)
	Mast Group Number	B754 2765	B754 3365
8	Channel	1614331	1614340
9	Hose	2083196	2083205
10	Hose	2089685	2089694
15	Hose	2078688	2078697
23	Hose	2083196	2083205
24	Hose	2089685	2089694
29	Channel	1614331	1614340

H100-120FT (THREE FUNCTION)

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS	
		2765 mm (108.9 in.)	3365 mm (132.5 in.)
	Mast Group Number	B754 2765	B754 3365
5	Hose	2083196	2083205
6	Hose	2089685	2089691
20	Hose	2078688	2078697
21	Channel	1614230	1614239
25	Channel	1614403	1614412

H80-90FT (FOUR FUNCTION)

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS	
		3025 mm (119.1 in.)	3625 mm (142.7 in.)
	Mast Group Number	B753 3025	B753 3625
8	Channel	1614331	1614337
9	Hose	2083195	2083201
10	Hose	2089674	2089690
15	Hose	2078657	2078663
23	Hose	2083195	2083201
24	Hose	2089674	2089690
29	Channel	1614331	1614337

HEADER HOSE TWO STAGE FULL FREE-LIFT

H80-90FT (THREE FUNCTION)

ITEM	DESCRIPTION	LIFT HEIGHT TO BOTTOM OF FORKS	
		3025 mm (119.1 in.)	3625 mm (142.7 in.)
	1 2 3 4 Mast Group Number	B753 3025	B753 3625
5	Hose	2083195	2083201
6	Hose	2089674	2089690
20	Hose	2078657	2078663
21	Channel	1614230	1614236
25	Channel	1614406	1614412

KEY:
A: Three Function
B: Four Function

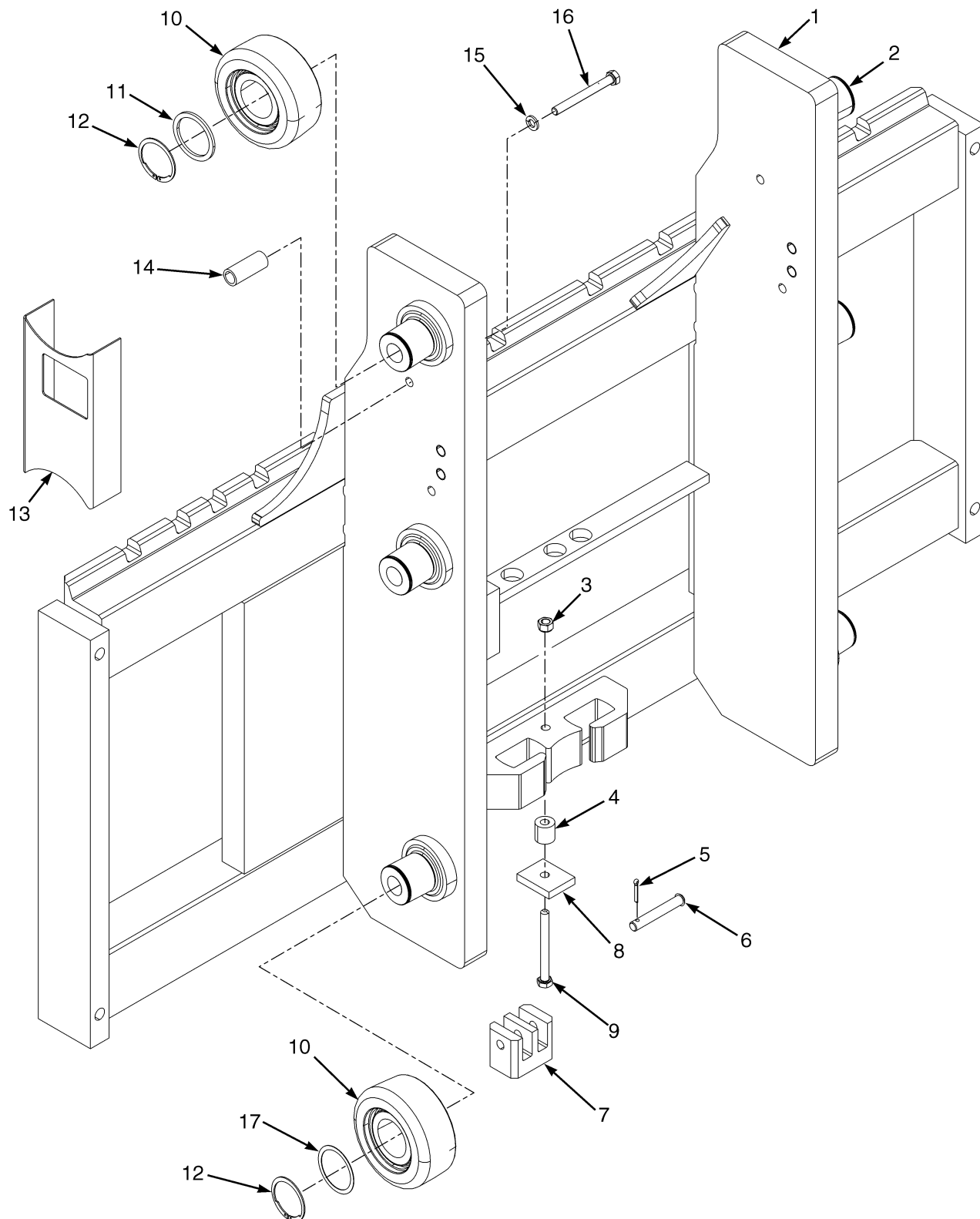
ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	2035791	Clamp	3	6
2	1581741	Capscrew	6	12
3	1465489	Clamp	2	4
4	1569979	Clamp	3	6
5	a	Hose	1	..
6	a	Hose	1	..
7	1541242	Bracket	1	1
8	a	Channel	..	1
9	a	Hose	..	1
10	a	Hose	..	1
11	1495279	Sheave	1	2
11	332057	Bushing	1	2
12	1581560	Washer	1	2
13	58902	Snap Ring	1	2
14	302472	Pin	1	2
15	a	Hose	..	2
16	1529016	Cap	1	2
17	1550425	Fitting	1	1
18	1528580	Fitting	1	1
19	1529016	Cap	2	4
20	a	Hose	2	..
21	a	Channel	1	..
22	1541243	Bracket	..	1
23	a	Hose	..	1
24	a	Hose	..	1
25	a	Channel	1	..
26	1581556	Washer	1	..
27	1581582	Capscrew	1	..

HEADER HOSE
TWO STAGE FULL FREE-LIFT

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
28	1581562	Washer	1	..
29	a	Channel	..	1

FOOTNOTES:**a** Refer to Table

CARRIAGE (Figure 11-6) TWO STAGE FULL FREE-LIFT



BP170257

**CARRIAGE
TWO STAGE FULL FREE-LIFT****KEY:****A: H80-90FT****B: H100-120FT**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	2038558	Carriage Assembly (48 in.)	1	..
	2038561	Carriage Assembly (60 in.)	1	..
	2038564	Carriage Assembly (54 in.)	..	1
	2038566	Carriage Assembly (60 in.)	..	1
1	1394984	Frame (48 in.)	1	..
1	1394986	Frame (60 in.)	1	..
1	1394992	Frame (54 in.)	..	1
1	1394993	Frame (60 in.)	..	1
2	1500744	Stubshaft	6	6
3	313828	Nut	1	1
4	1400125	Spacer	1	1
5	15222	Cotter Pin	2	2
6	1387549	Pin	2	2
7	1387548	Chain Anchor	2	2
8	1400126	Plate	1	1
9	292512	Capscrew	1	1
10	1511883	Load Roller (101.67 mm)	6	6
11	1399224	Spacer	2	2
12	1465072	Snap Ring	6	6
13	319323	Guard (LH)	1	1
13	319322	Guard (RH)	1	1
14	317292	Spacer	4	4
15	15155	Lockwasher	4	4
16	18520	Capscrew	4	4
17	126765	Shim (0.020 in.)	24	24

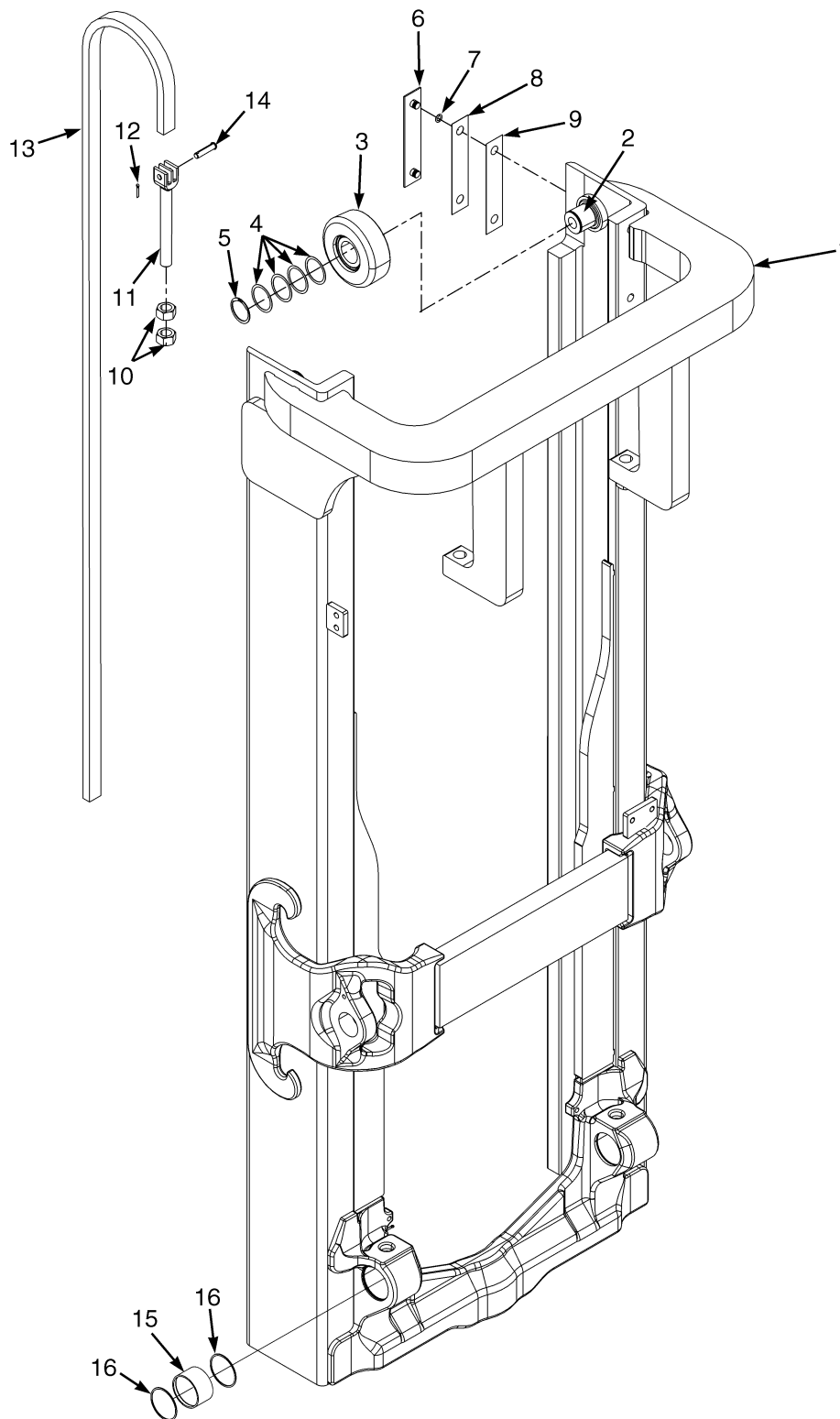
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SECTION 12

MAST-THREE STAGE FULL FREE-LIFT

DESCRIPTION	PAGE
CARRIAGE	
THREE STAGE FULL FREE-LIFT	12-30
FREE LIFT	
THREE STAGE FULL FREE-LIFT	12-18
FREE LIFT CYLINDER	
THREE STAGE FULL FREE-LIFT	12-22
HEADER HOSE	
THREE STAGE FULL FREE-LIFT	12-26
INNER MAST	
THREE STAGE FULL FREE-LIFT	12-8
INTERMEDIATE MAST	
THREE STAGE FULL FREE-LIFT	12-4
MAIN LIFT	
THREE STAGE FULL FREE-LIFT	12-10
MAIN LIFT CYLINDER	
THREE STAGE FULL FREE-LIFT	12-14
OUTER MAST	
THREE STAGE FULL FREE-LIFT	12-2

OUTER MAST (Figure 12-1) THREE STAGE FULL FREE-LIFT



BP170258

**OUTER MAST
THREE STAGE FULL FREE-LIFT****H100-120FT**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS				
		4087 mm (160.9 in.)	4387 mm (172.7 in.)	4640 mm (182.7 in.)	4940 mm (194.5 in.)	5240 mm (206.3 in.)
	Mast Group Number	B752 4087	B752 4387	B752 4640	B752 4940	B752 5240
	Mast Assembly	2071898	2071900	2071901	2071903	2071905
1	Outer Mast	1573520	1573522	1573523	1573525	1573527
13	Chain	280878	338647	152404	339934	356916

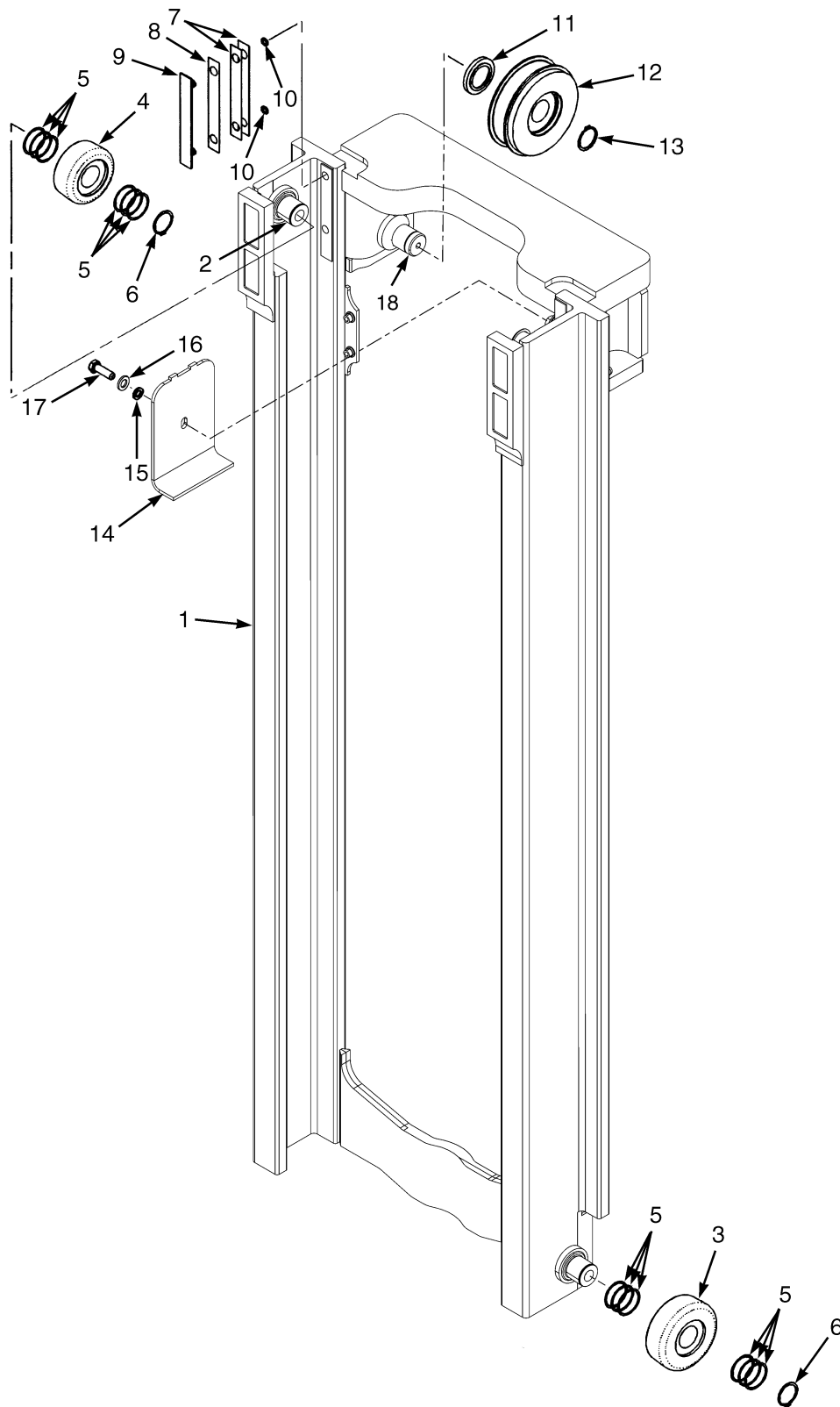
H80-90FT

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS				
		4365 mm (171.9 in.)	4665 mm (183.7 in.)	4900 mm (192.9 in.)	5200 mm (204.7 in.)	5500 mm (216.5 in.)
	Mast Group Number	B751 4365	B751 4665	B751 4900	B751 5200	B751 5500
	Mast Assembly	2071871	2071873	2071874	2071876	2071878
1	Outer Mast	1573520	1573522	1573523	1573525	1573527
13	Chain	191081	182342	194607	191085	191072

ITEM	PART NO.	DESCRIPTION	QTY
	a	Mast Assembly	1
1	a	Outer Mast.....	1
2	1500744	Stubshaft.....	2
3	1399204	Load Roller (124.31 mm).....	2
4	126765	Shim (0.020 in.).....	AR
5	1465072	Snap Ring.....	2
6	104264	Bearing Strip	2
7	104506	O-Ring	4
8	161273	Shim (0.020 in.).....	AR
9	161272	Shim (0.007 in.).....	AR
10	221717	Nut.....	4
11	1331990	Chain Anchor (H80FT-90FT).....	2
11	1331991	Chain Anchor (H100-120FT)	2
12	15222	Cotter Pin	2
13	a	Chain	2
14	339932	Pin	2
15	1485449	Bushing	2
16	1465518	Snap Ring.....	4

FOOTNOTES:**a** Refer to Table

INTERMEDIATE MAST (Figure 12-2) THREE STAGE FULL FREE-LIFT



BP170208

**INTERMEDIATE MAST
THREE STAGE FULL FREE-LIFT****H100-120FT**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS				
		4087 mm (160.9 in.)	4387 mm (172.7 in.)	4640 mm (182.7 in.)	4940 mm (194.5 in.)	5240 mm (206.3 in.)
	Mast Group Number	B752 4087	B752 4387	B752 4640	B752 4940	B752 5240
	Mast Assembly	2071898	2071900	2071901	2071903	2071905
1	Intermediate Mast	1574162	1574164	1574165	1574167	1574169

H80-90FT

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS				
		4365 mm (171.9 in.)	4665 mm (183.7 in.)	4900 mm (192.9 in.)	5200 mm (204.7 in.)	5500 mm (216.5 in.)
	Mast Group Number	B751 4365	B751 4665	B751 4900	B751 5200	B751 5500
	Mast Assembly	2071871	2071873	2071874	2071876	2071878
1	Intermediate Mast	1574162	1574164	1574165	1574167	1574169

ITEM	PART NO.	DESCRIPTION	QTY
	b	Mast Assembly	1
1	b	Intermediate Mast	1
2	1500744	Stubshaft.....	4
3	1399204	Load Roller (124.31 mm).....	2
4	1511883	Load Roller (101.67 mm).....	2
5	126765	Shim (0.020 in.).....	24
6	1465072	Snap Ring.....	4
7	131716	Shim (0.020 in.).....	AR
8	131715	Shim (0.007 in.).....	AR
9	215211	Bearing Strip	2
10	104506	O-Ring	4
11	1389846	Spacer.....	2
12	1389780	Chain Sheave (H80-90FT)	2
12	1389673	Sheave	1
12	40667	Snap Ring	2
12	126764	Double Row Ball Bearing	1
12	1389779	Chain Sheave (H100-120FT)	2
12	1389672	Sheave	1
12	40667	Snap Ring	2
12	126764	Double Row Ball Bearing	1
13	12891	Snap Ring.....	2
14	1389959	Chain Guard Bracket.....	1
15	1581564	Lockwasher	1
16	1581559	Washer	1
17	1581591	Capscrew	1

**INTERMEDIATE MAST
THREE STAGE FULL FREE-LIFT**

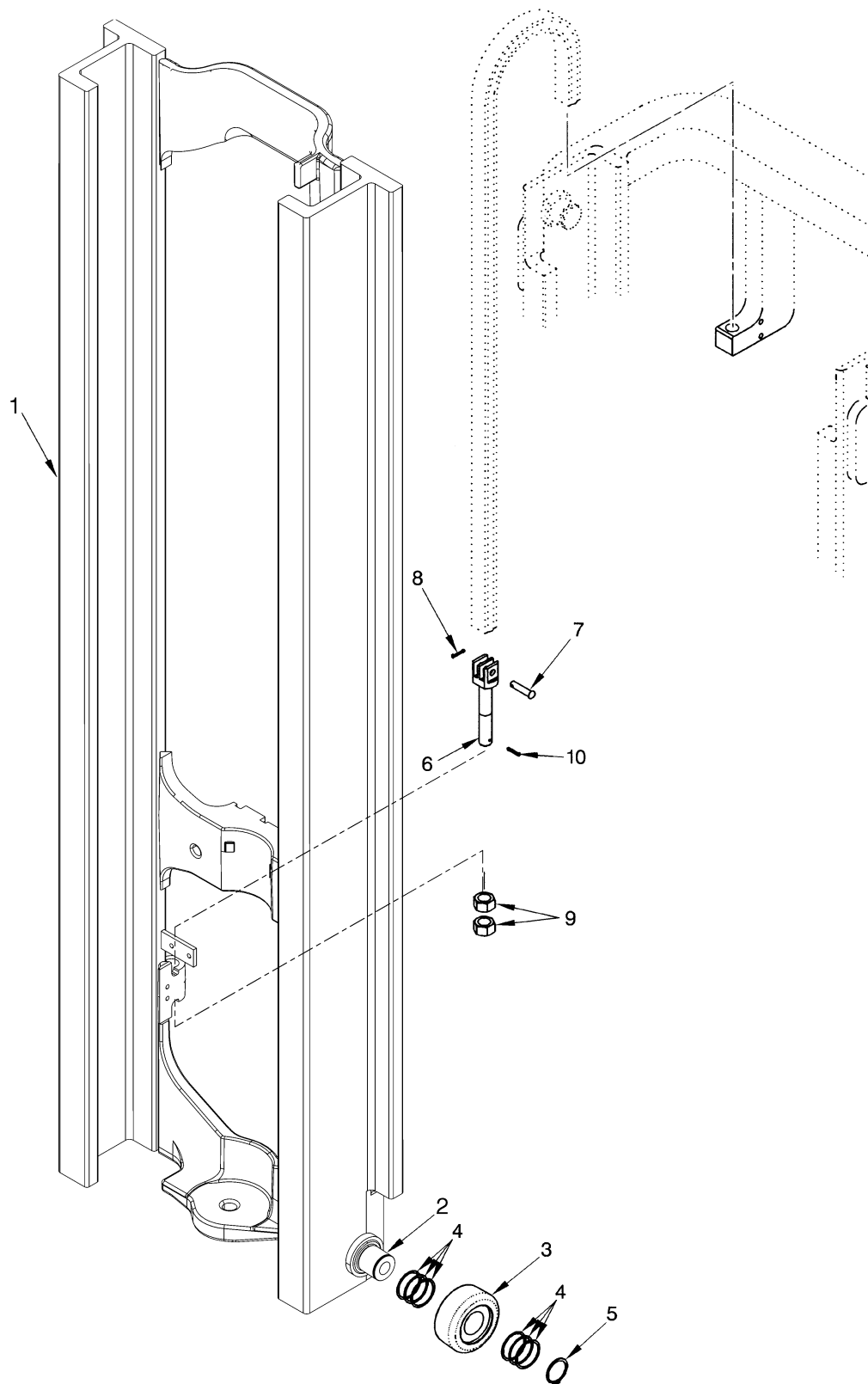
ITEM	PART NO.	DESCRIPTION	QTY
18	1389932	Stubshaft	2
	a 1466633	Insert.....	4

FOOTNOTES:

- a** Not Illustrated
b Refer to Table

[illegible]

INNER MAST (Figure 12-3) THREE STAGE FULL FREE-LIFT



BP170209

**INNER MAST
THREE STAGE FULL FREE-LIFT****H100-120FT**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS				
		4087 mm (160.9 in.)	4387 mm (172.7 in.)	4640 mm (182.7 in.)	4940 mm (194.5 in.)	5240 mm (206.3 in.)
	Mast Group Number	B752 4087	B752 4387	B752 4640	B752 4940	B752 5240
	Mast Assembly	2071898	2071900	2071901	2071903	2071905
1	Inner Mast	1573599	1573601	1573602	1573604	1573606

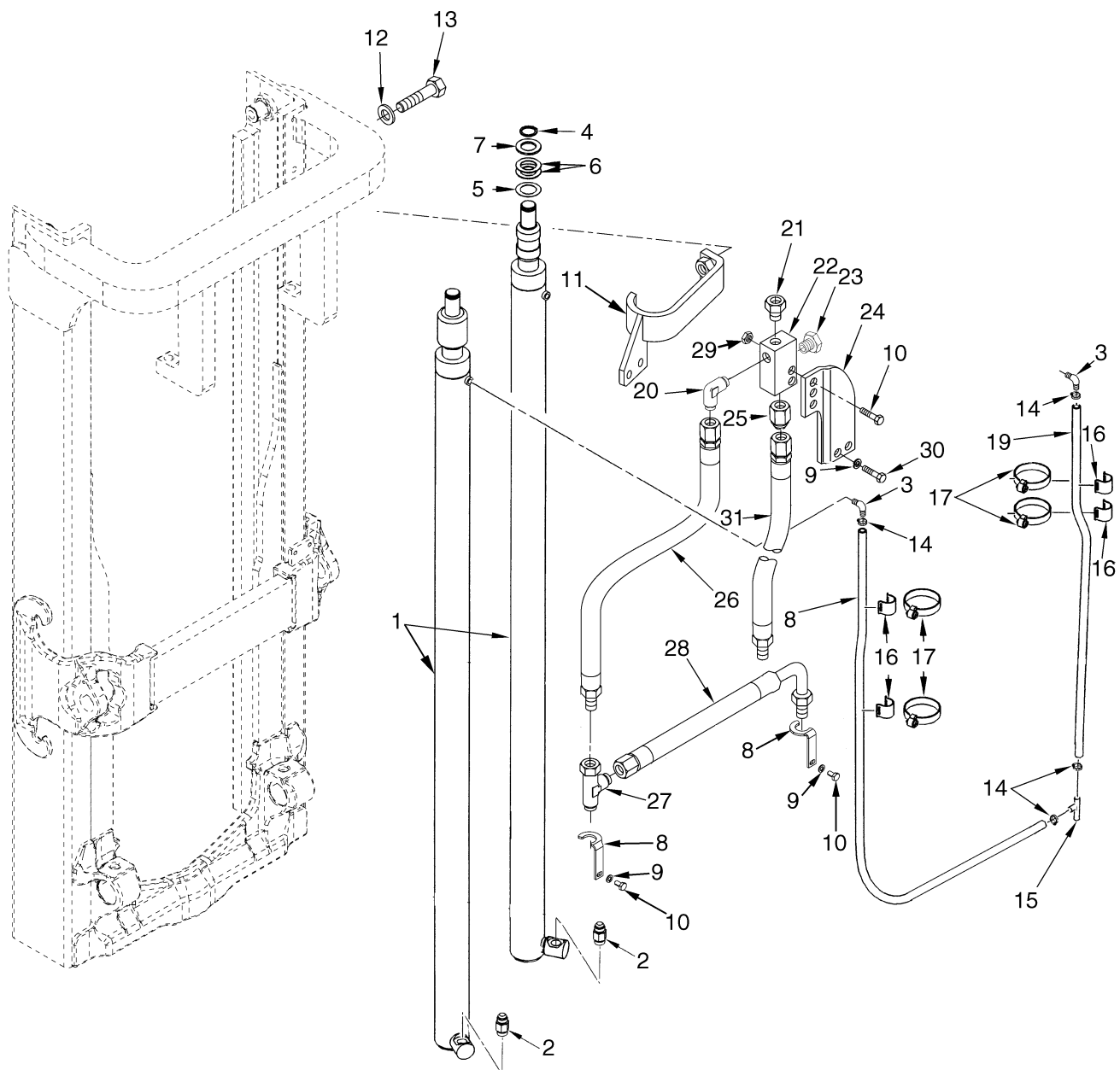
H80-90FT

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS				
		4365 mm (171.9 in.)	4665 mm (183.7 in.)	4900 mm (192.9 in.)	5200 mm (204.7 in.)	5500 mm (216.5 in.)
	Mast Group Number	B751 4365	B751 4665	B751 4900	B751 5200	B751 5500
	Mast Assembly	2071871	2071873	2071874	2071876	2071878
1	Inner Mast	1573599	1573601	1573602	1573604	1573606

ITEM	PART NO.	DESCRIPTION	QTY
	a	Mast Assembly	1
1	a	Inner Mast	1
2	1500744	Stubshaft.....	2
3	1511883	Load Roller (101.67 mm).....	2
4	126765	Shim (0.020 in.).....	AR
5	1465072	Snap Ring.....	2
6	1331991	Chain Anchor.....	2
7	327591	Pin (H80-90FT).....	2
7	339932	Pin (H100-120FT).....	2
8	15222	Cotter Pin	2
9	1581896	Nut.....	4
10	15224	Cotter Pin	2

FOOTNOTES:**a** Refer to Table

MAIN LIFT (Figure 12-4) THREE STAGE FULL FREE-LIFT



BP170259

**MAIN LIFT
THREE STAGE FULL FREE-LIFT****H100-120FT**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS				
		4087 mm (160.9 in.)	4387 mm (172.7 in.)	4640 mm (182.7 in.)	4940 mm (194.5 in.)	5240 mm (206.3 in.)
	Mast Group Number	B752 4087	B752 4387	B752 4640	B752 4940	B752 5240
18	Hose	1399094	1399098	1399102	1399106	1399110
19	Hose	1399076	1399078	1399082	1399086	1399090

H80-90FT

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS				
		4365 mm (171.9 in.)	4665 mm (183.7 in.)	4900 mm (192.9 in.)	5200 mm (204.7 in.)	5500 mm (216.5 in.)
	Mast Group Number	B751 4365	B751 4665	B751 4900	B751 5200	B751 5500
18	Hose	1399096	1399100	1399104	1399108	1399112
19	Hose	1399077	1399080	1399084	1399088	1399092

ITEM	PART NO.	DESCRIPTION	QTY
1	.....	Main Cylinder (☞ Figure 12-5)	2
2	b 1550195	Velocity Fuse (12 x 16)	1
2	b 1550157	Velocity Fuse (10 x 10)	2
2	a 1550196	Velocity Fuse (12 x 16)	1
2	a 1550158	Velocity Fuse (10 x 10)	2
3	110178	Fitting.....	2
3	16483	O-Ring.....	1
4	304523	Snap Ring.....	2
5	1325120	Shim	AR
6	142247	Shim	AR
7	332061	Washer	2
8	1634463	Bracket (LH)	1
8	1634462	Bracket (RH).....	1
9	1581558	Washer	4
10	1581583	Capscrew	2
11	1474496	Bracket (RH).....	1
11	1474497	Bracket (LH)	1
12	1581558	Washer	4
13	1581588	Capscrew	4
14	379405	Clamp	4
15	2046871	Fitting.....	1
16	1465585	Clamp	4
17	1360529	Strap Clamp	4
18	c	Hose	1
19	c	Hose	1
20	1487068	Fitting.....	1
20	16484	O-Ring.....	1
20	252729	O-Ring.....	1

MAIN LIFT THREE STAGE FULL FREE-LIFT

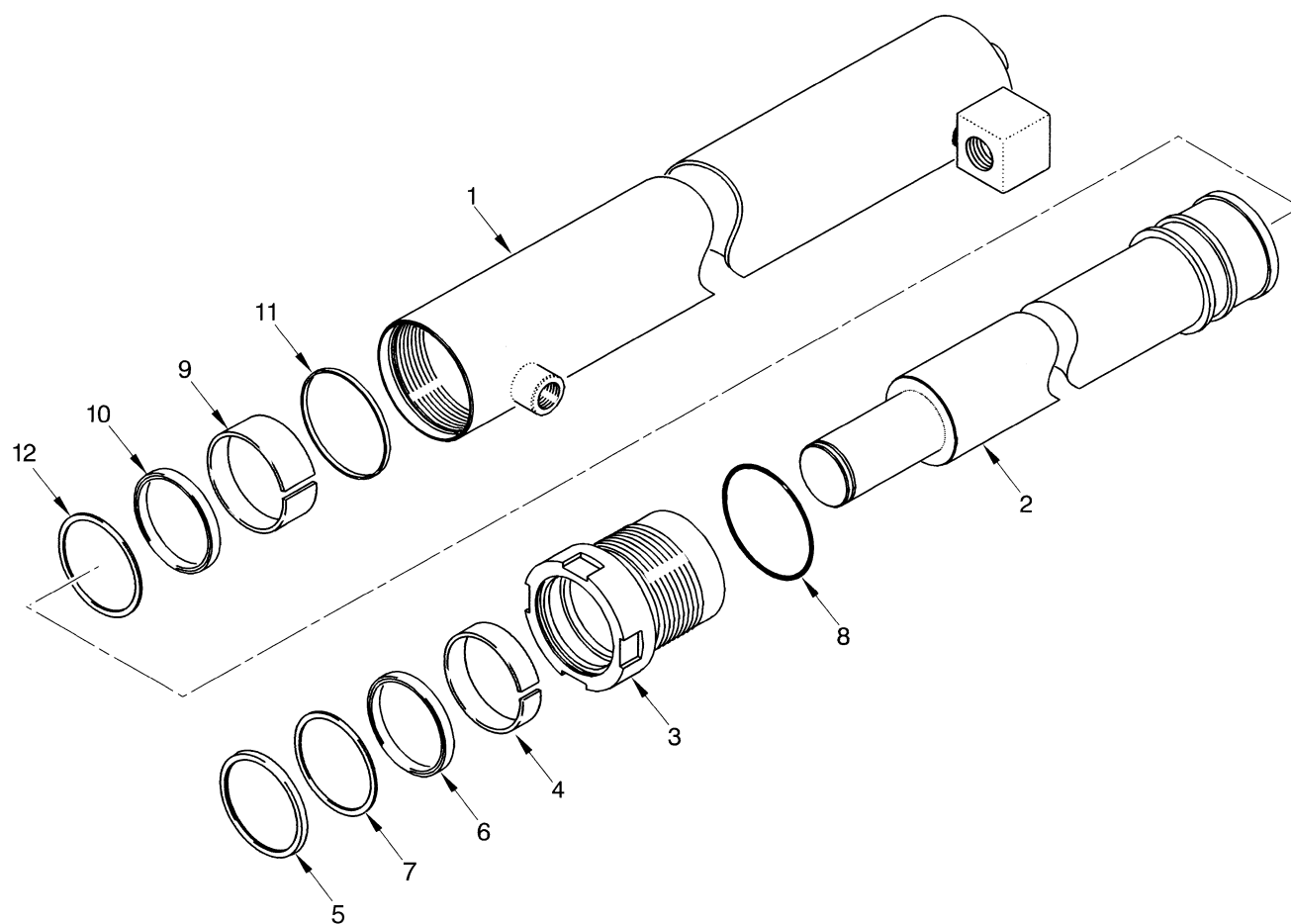
ITEM	PART NO.	DESCRIPTION	QTY
21	1473888	Fitting.....	1
21	280154	O-Ring.....	1
21	16486	O-Ring.....	1
22	1388019	Housing	1
23	14595	Fitting.....	1
23	16484	O-Ring.....	1
24	1474387	Bracket	1
25	1550197	Control Valve (Lowering) (H80-90FT).....	1
25	1550198	Control Valve (Lowering) (H100-120FT).....	1
26	2087555	Hose	1
27	1487096	Fitting.....	1
28	2074181	Hose	1
29	1581566	Nut.....	2
30	1581558	Washer	2
31	2076763	Hose	1

FOOTNOTES:

- a** H100-120FT
- b** H80-90FT
- c** Refer to Table

[illegible]

MAIN LIFT CYLINDER (Figure 12-5) THREE STAGE FULL FREE-LIFT



BP170222

**MAIN LIFT CYLINDER
THREE STAGE FULL FREE-LIFT****H100-120FT**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS				
		4087 mm (160.9 in.)	4387 mm (172.7 in.)	4640 mm (182.7 in.)	4940 mm (194.5 in.)	5240 mm (206.3 in.)
	Mast Group Number	B752 4087	B752 4387	B752 4640	B752 4940	B752 5240
	Cylinder Group Number	8509801	8509803	8509804	8509806	8509808
	Lift Cylinder	2073912	2073914	2073915	2073917	2073919
1	Shell	2073932	2073934	2073935	2073937	2073939
2	Rod	2037841	2037842	2037844	2037845	2037846

H80-90FT

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS				
		4365 mm (171.9 in.)	4665 mm (183.7 in.)	4900 mm (192.9 in.)	5200 mm (204.7 in.)	5500 mm (216.5 in.)
	Mast Group Number	B751 4365	B751 4665	B751 4900	B751 5200	B751 5500
	Cylinder Group Number	8509701	8509703	8509704	8509706	8509708
	Lift Cylinder	2073852	2073854	2073857	2073856	2073859
1	Shell	2073888	2073890	2073891	2073893	2073895
2	Rod	2037856	2037857	2037858	2037859	2037860

KEY:**A: H80-90FT****B: H100-120FT**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	d	Lift Cylinder.....	2	2
1	d	Shell	1	1
2	d	Rod.....	1	1
3	2033243	Gland.....	1	..
3	2033299	Gland.....	..	1
4	215425	Wear Ring	1	..
4	215301	Wear Ring	..	1
5	1383066	Rod Wiper	1	..
5	1383068	Rod Wiper	..	1
6	201829	Rod Seal.....	..	1
6	270077	Rod Seal.....	1	..
7	638249	Back-Up Ring	2	..
7	638250	Back-Up Ring	..	1
8	57664	O-Ring	1	..
8	15879	O-Ring	..	1
9	297532	Wear Ring	1	..
9	351531	Wear Ring	..	1

MAIN LIFT CYLINDER THREE STAGE FULL FREE-LIFT

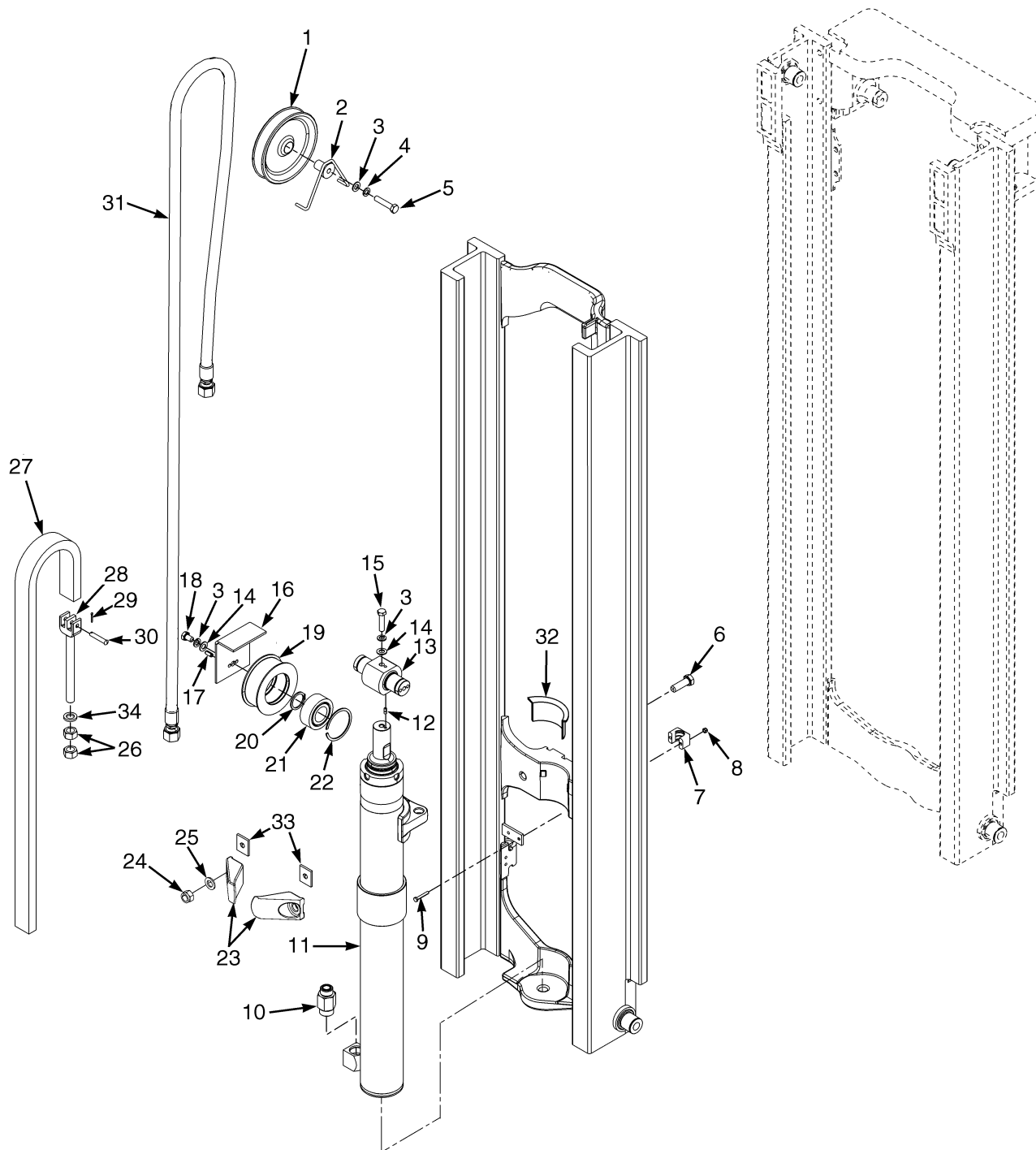
ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
10	1381061	Seal	1	..
10	1381062	Seal	..	1
11	1379063	Piston Ring	1	..
11	2036479	Piston Ring	..	1
12	351532	Back-Up Ring	..	1
	ac 2078399	Spacer	1	..
	bc 2078398	Spacer	..	1
	2036277	Seal Kit (Includes Items 4-10)	1	..
	2036278	Seal Kit (Includes Items 4-10, 12)	..	1

FOOTNOTES:

- a** Lift Heights of 4640mm and Higher
- b** Lift Heights of 4900mm and Higher
- c** Not Illustrated
- d** Refer to Table

[illegible]

FREE LIFT (Figure 12-6) THREE STAGE FULL FREE-LIFT



BP170260

**FREE LIFT
THREE STAGE FULL FREE-LIFT****H100-120FT**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS				
		4087 mm (160.9 in.)	4387 mm (172.7 in.)	4640 mm (182.7 in.)	4940 mm (194.5 in.)	5240 mm (206.3 in.)
	Mast Group Number	B752 4087	B752 4387	B752 4640	B752 4940	B752 5240
27	Chain	386885	297640	337180	337189	320396
31	Hose	2072080	2072082	2072083	2072085	2072087

H80-90FT

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS				
		4365 mm (171.9 in.)	4665 mm (183.7 in.)	4900 mm (192.9 in.)	5200 mm (204.7 in.)	5500 mm (216.5 in.)
	Mast Group Number	B751 4365	B751 4665	B751 4900	B751 5200	B751 5500
27	Chain	337189	320396	337190	339897	348827
31	Hose	2072080	2072082	2072083	2072085	2072087

ITEM	PART NO.	DESCRIPTION	QTY
1	2036778	Sheave	1
2	1387553	Stubshaft	1
3	1581564	Lockwasher	4
4	1581559	Washer	4
5	1581592	Capscrew	1
6	1639154	Capscrew	2
7	1387479	Clamp	1
8	1581565	Nut.....	2
9	1581578	Capscrew	2
10	1550195	Velocity Fuse (H80-90FT)	1
10	1550196	Velocity Fuse (H100-120FT)	1
11	.....	Free-Lift Cylinder (See Figure 12-7)	1
12	310549	Pin	1
13	1573177	Crosshead	1
14	1581564	Lockwasher	4
15	1597456	Capscrew	1
16	1387519	Guard	2
17	302472	Pin	4
18	1581589	Capscrew	2
19	1387743	Chain Sheave Assembly	2
19	1387740	Sheave	1
20	304527	Snap Ring	2
21	126764	Double Row Ball Bearing	1
22	40667	Snap Ring	2
23	a 2088451	Bracket	2
23	b 2088450	Bracket	2
24	161003	Nut.....	2
25	297649	Base Ring.....	2

**FREE LIFT
THREE STAGE FULL FREE-LIFT**

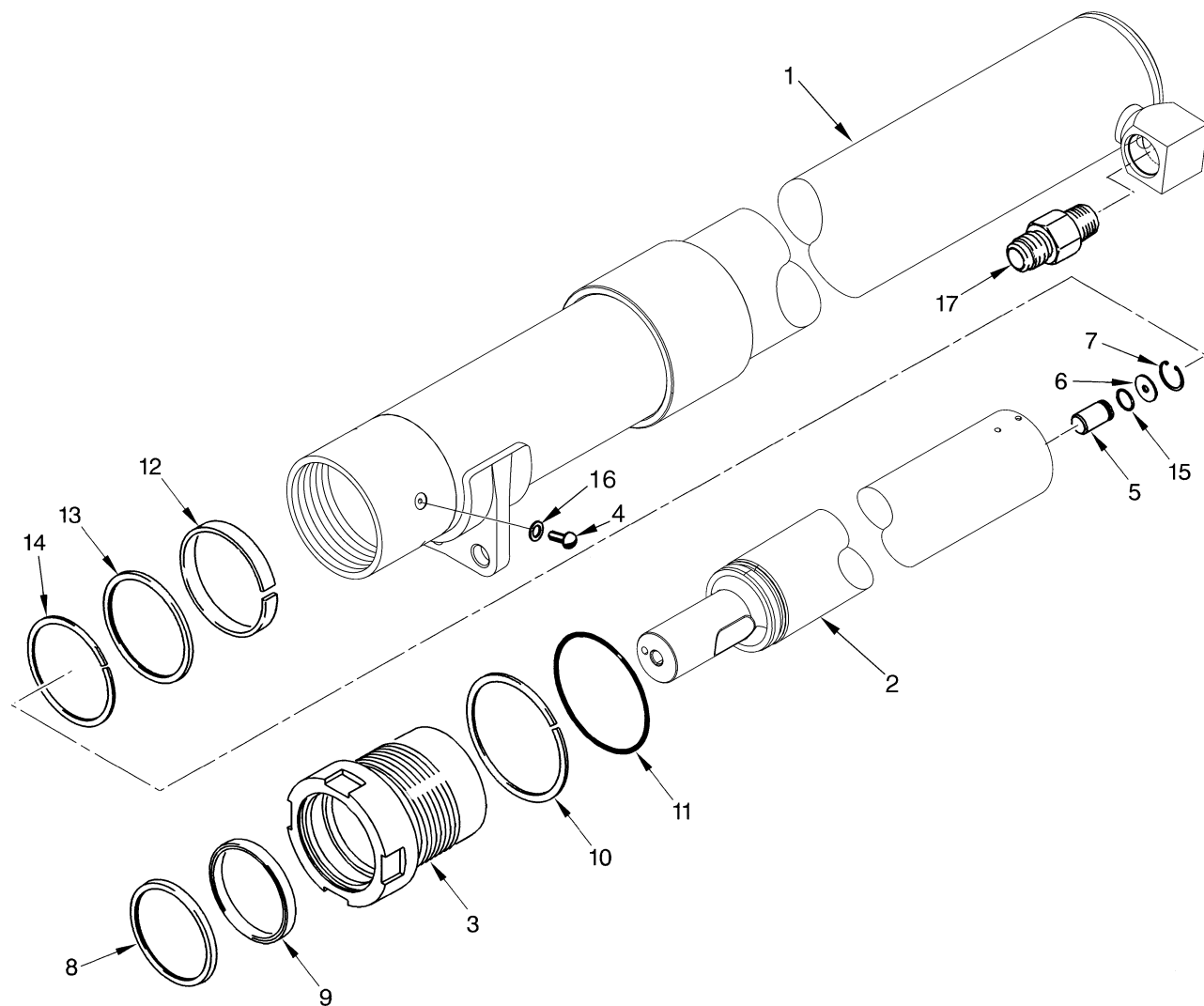
ITEM	PART NO.	DESCRIPTION	QTY
26	1581896	Nut.....	4
27	c	Chain.....	2
28	1387286	Chain Anchor (H100-120FT)	2
28	1331991	Chain Anchor (H80-90FT)	2
29	15222	Cotter Pin	2
30	339932	Pin	2
31	c	Hose.....	1
32	1611061	Collar.....	1
33	1638844	Shim	AR

FOOTNOTES:

- a** H100-120FT
b H80-90FT
c Refer to Table

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

FREE LIFT CYLINDER (Figure 12-7) THREE STAGE FULL FREE-LIFT



BP170214

**FREE LIFT CYLINDER
THREE STAGE FULL FREE-LIFT****H100-120FT**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS				
		4087 mm (160.9 in.)	4387 mm (172.7 in.)	4640 mm (182.7 in.)	4950 mm (194.9 in.)	5240 mm (206.3 in.)
	Mast Group Number	B752 4087	B752 4387	B752 4640	B752 4940	B752 5240
	Cylinder Group Number	8527801	8527803	8527805	8527807	8527809
	Free-Lift Cylinder	2073553	2073557	2073566	2073570	2073575
1	Shell	2073626	2073630	2073632	2073634	2073636
2	Rod	2073681	2073683	2073685	2073687	2073689

H80-90FT

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS				
		4365 mm (171.9 in.)	4665 mm (183.7 in.)	4900 mm (192.9 in.)	5200 mm (204.7 in.)	5500 mm (216.5 in.)
	Mast Group Number	B751 4365	B751 4665	B751 4900	B751 5200	B751 5500
	Cylinder Group Number	8501701	8501703	8501705	8501707	8501709
	Free-Lift Cylinder	2073395	2073397	2073399	2073401	2073403
1	Shell	2073257	2073259	2073261	2073263	2073265
2	Rod	2073223	2073225	2073227	2073229	2073231

KEY:**A: H80-90FT****B: H100-120FT**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	a	Free-Lift Cylinder	1	1
1	a	Shell	1	1
2	a	Rod	1	1
3	2036282	Gland	1	..
3	1541640	Gland	..	1
4	1361302	Screw	1	1
5	257913	Check Valve	1	1
6	297531	Washer	1	1
7	187388	Snap Ring	1	1
8	1383070	Rod Wiper	1	1
9	637161	Rod Seal	1	1
10	164632	Back-Up Ring	1	..
10	615145	Back-Up Ring	..	1
11	15885	O-Ring	..	1
11	46629	O-Ring	1	..
12	636950	Wear Ring	1	..
12	1380982	Wear Ring	..	1

**FREE LIFT CYLINDER
THREE STAGE FULL FREE-LIFT**

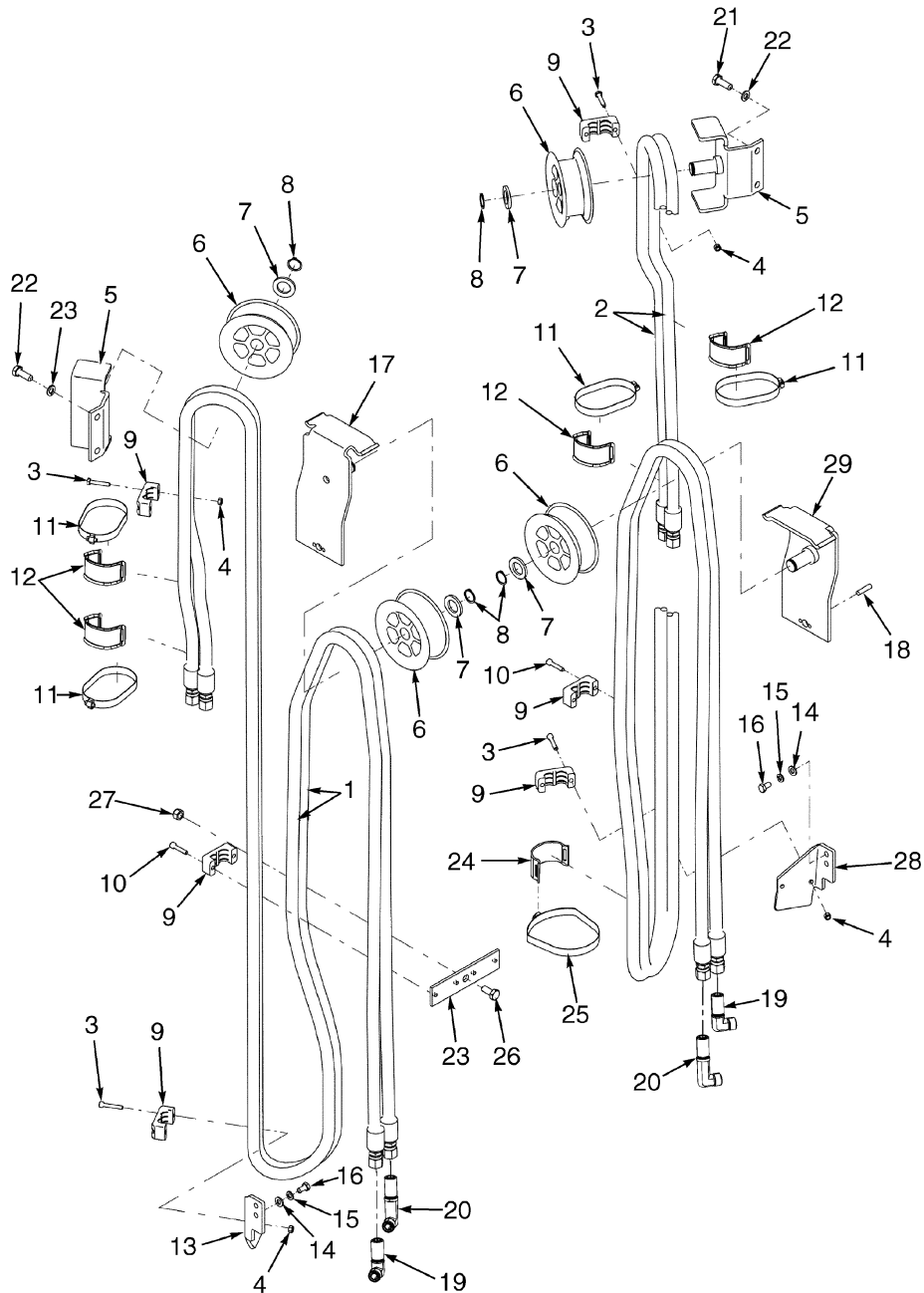
ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
13	637162	Seal	1	..
13	364059	Seal	..	1
14	638293	Back-Up Ring	1	..
14	1381074	Back-Up Ring	..	1
15	190580	O-Ring	..	1
15	39348	O-Ring	1	..
16	190887	Seal	1	1
17	1550195	Velocity Fuse	1	..
17	1550196	Velocity Fuse	..	1
	2036279	Seal Kit (Includes Items 8-16)	1	..
	2065889	Seal Kit (Includes Items 8-12, 14-16)	..	1

FOOTNOTES:

a Refer to Table

[illegible]

HEADER HOSE (Figure 12-8) THREE STAGE FULL FREE-LIFT



BP170262

**HEADER HOSE
THREE STAGE FULL FREE-LIFT****H100-120FT**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS				
		4087 mm (160.9 in.)	4387 mm (172.7 in.)	4640 mm (182.7 in.)	4940 mm (194.5 in.)	5240 mm (206.3 in.)
	Mast Group Number	B752 4087	B752 4387	B752 4640	B752 4940	B752 5240
	Mast Assembly	2071898	2071900	2071901	2071903	2071905
1	Hose	2083459	2083461	2083462	2083464	2083466
2	Hose	2083459	2083461	2083462	2083464	2083466

H80-90FT

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS				
		4365 mm (171.9 in.)	4665 mm (183.7 in.)	4900 mm (192.9 in.)	5200 mm (204.7 in.)	5500 mm (216.5 in.)
	Mast Group Number	B751 4365	B751 4665	B751 4900	B751 5200	B751 5500
	Mast Assembly	2071871	2071873	2071874	2071876	2071878
1	Hose	2083432	2083434	2083435	2083437	2083439
2	Hose	2083432	2083434	2083435	2083437	2083439

KEY:**A: Three Function****B: Four Function**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	a	Mast Assembly	1	1
1	a	Hose	2	2
2	a	Hose	..	2
3	1581577	Washer	4	8
4	1581565	Nut.....	4	8
5	1387523	Bracket	1	2
6	1495279	Sheave	2	4
6	332057	Bushing	2	4
7	1581560	Washer	2	4
8	58902	Snap Ring.....	2	4
9	2035791	Clamp	3	6
10	1581741	Capscrew	2	4
11	1360507	Clamp	2	4
12	1465489	Clamp	2	4
13	1387327	Bracket	1	1
14	1581556	Washer	2	4
15	1581562	Washer	2	4
16	1581579	Capscrew	2	4
17	1541242	Bracket (RH).....	1	1
18	302472	Pin	1	2
19	1528580	Fitting.....	1	2

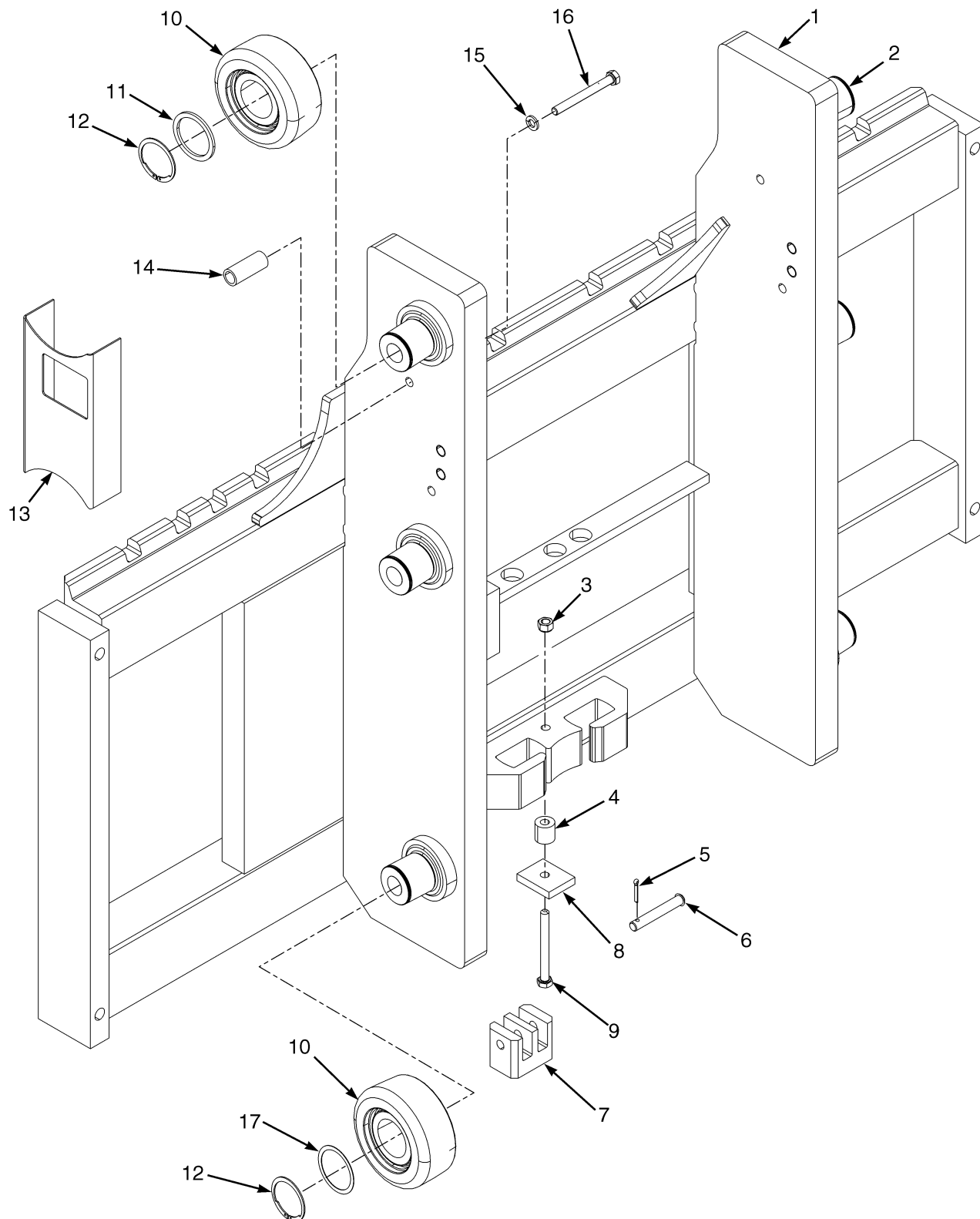
**HEADER HOSE
THREE STAGE FULL FREE-LIFT**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
20	1550425	Fitting.....	1	2
21	1581587	Capscrew	2	4
22	1581563	Washer	2	4
23	1389828	Bracket	1	1
24	1502809	Clamp	2	2
25	1399243	Clamp	1	1
26	1581586	Capscrew	1	1
27	1581567	Nut.....	1	1
28	1389854	Bracket	..	1
29	1541243	Bracket (LH)	..	1

FOOTNOTES:**a** Refer to Table

[illegible]

CARRIAGE (Figure 12-9) THREE STAGE FULL FREE-LIFT



BP170257

**CARRIAGE
THREE STAGE FULL FREE-LIFT****KEY:****A: H80-90FT****B: H100-120FT**

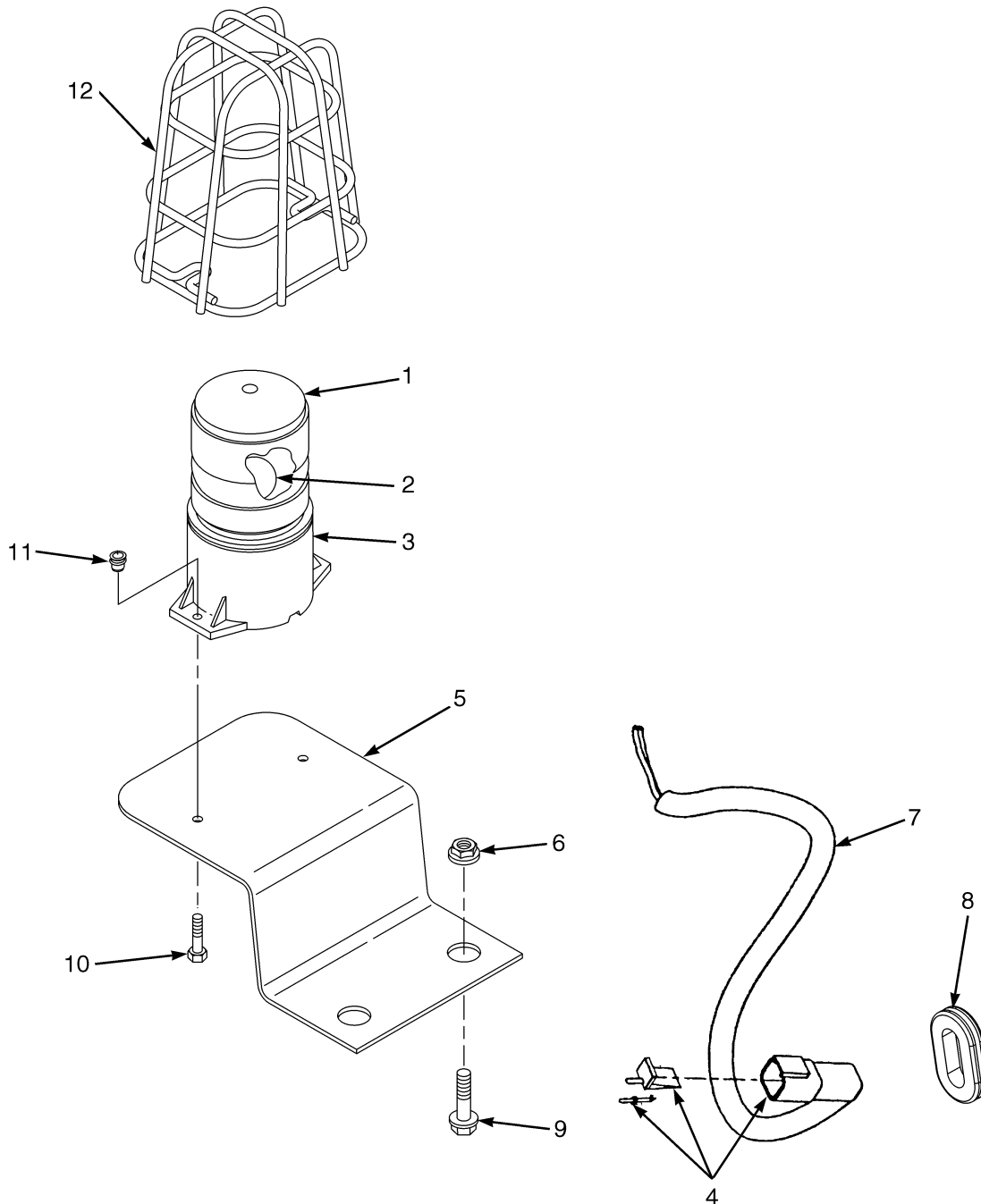
ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	2035792	Carriage Assembly (48 in.)	1	..
	2035794	Carriage Assembly (60 in.)	1	..
	2035796	Carriage Assembly (54 in.)	..	1
	2035797	Carriage Assembly (60 in.)	..	1
1	1387457	Frame (48 in.)	1	..
1	1387459	Frame (60 in.)	1	..
1	1387497	Frame (54 in.)	..	1
1	1387498	Frame (60 in.)	..	1
2	1500744	Stubshaft	6	6
3	313828	Nut	1	1
4	1400125	Spacer	1	1
5	15222	Cotter Pin	2	2
6	1387549	Pin	2	2
7	1387548	Chain Anchor	2	2
8	1400126	Plate	1	1
9	292512	Capscrew	1	1
10	1511883	Load Roller (101.67 mm)	6	6
11	1399224	Spacer	2	2
12	1465072	Snap Ring	6	6
13	319323	Guard (LH)	1	1
13	319322	Guard (RH)	1	1
14	317292	Spacer	4	4
15	15155	Lockwasher	4	4
16	18518	Capscrew	4	4
17	126765	Shim (0.020 in.)	24	24

[illegible]

SECTION 13
OPTIONS

DESCRIPTION	PAGE
ACCUMULATOR	13-10
AUXILIARY TUBE EXTENSIONS	
THREE STAGE FULL FREE-LIFT	13-34
TWO STAGE FULL FREE-LIFT	13-36
TWO STAGE LIMITED FREE-LIFT	13-32
BACK UP ALARM	13-8
FIRE EXTINGUISHER	13-6
INTEGRAL SIDE-SHIFT ASSEMBLY	
H100-120FT (54 AND 60 INCH)	
TWO AND THREE STAGE FULL FREE-LIFT	13-28
TWO STAGE LIMITED FREE-LIFT	13-18
H80-90FT (48 AND 60 INCH)	
TWO AND THREE STAGE FULL FREE-LIFT	13-22
TWO STAGE LIMITED FREE-LIFT	13-14
INTEGRAL SIDE-SHIFT CARRIAGE	
H100-120FT (54 AND 60 INCH)	
TWO AND THREE STAGE FULL FREE-LIFT	13-30
TWO STAGE LIMITED FREE-LIFT	13-20
H80-90FT (48 AND 60 INCH)	
TWO STAGE LIMITED FREE-LIFT	13-16
H80-90FT (48 INCH)	
TWO AND THREE STAGE FULL FREE-LIFT	13-24
H80-90FT (60 IN.)	
TWO AND THREE STAGE FULL FREE-LIFT	13-26
LIFTING EYES	13-12
MIRROR	13-5
STROBE LIGHT	
LED	
PENDING PER ECN 10298201⇒	13-4
⇒PENDING PER ECN 10298201	13-2

STROBE LIGHT (Figure 13-1) (⇒PENDING PER ECN 10298201)



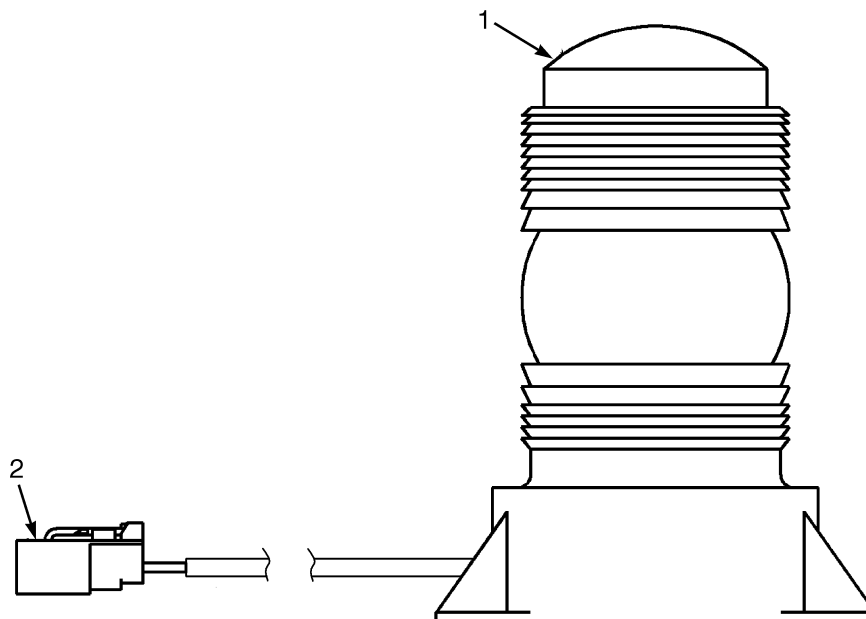
BP000283

STROBE LIGHT

(⇒PENDING PER ECN 10298201)

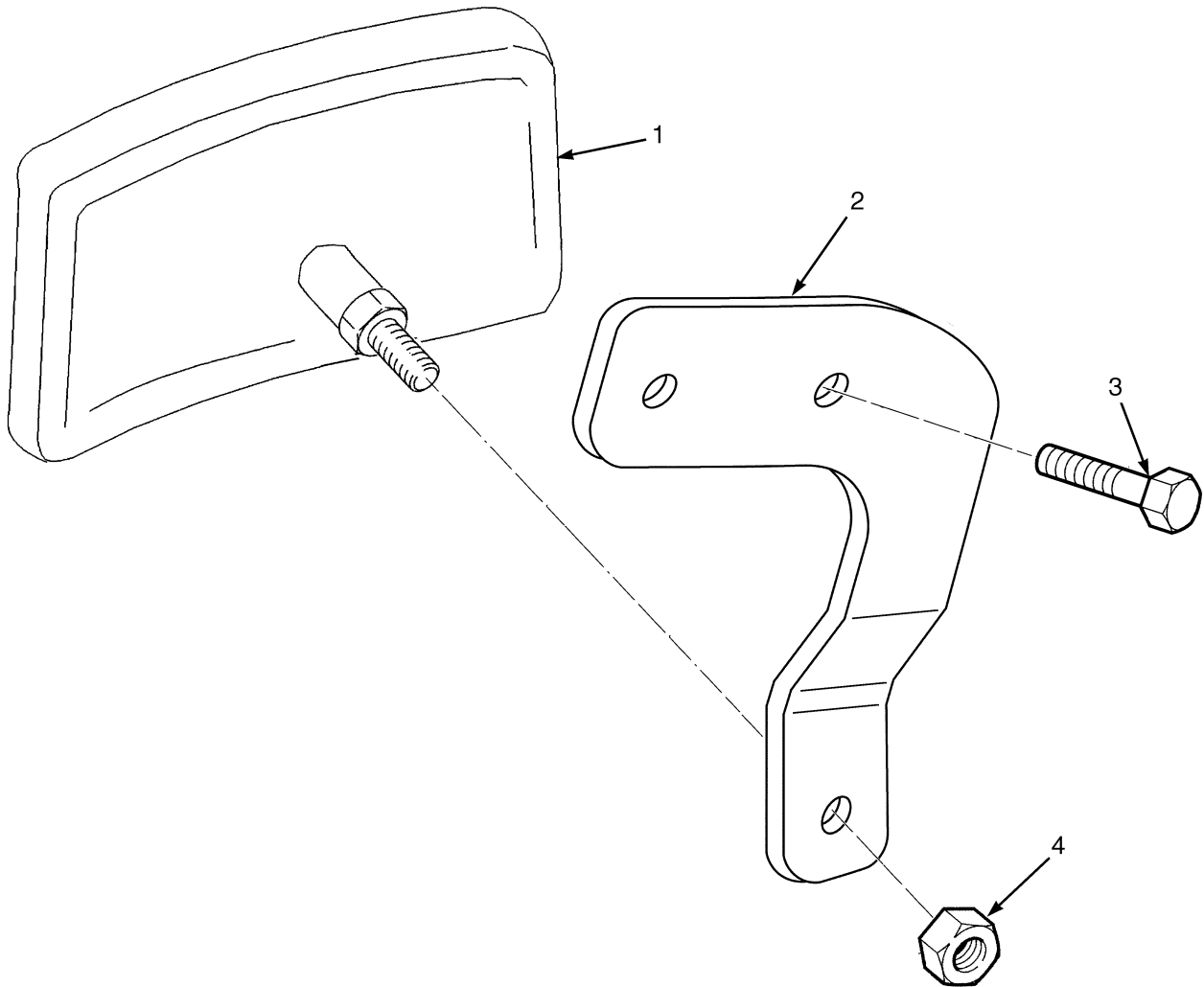
ITEM	PART NO.	DESCRIPTION	QTY
1	1581670	Strobe Light Assembly.....	1
1	1382130	Strobe Light.....	1
2	1309775	Bulb.....	1
3	1526082	Lens (Amber)	1
4	1463138	Pin	2
4	1561755	Secondary Lock.....	1
4	1561559	Connector.....	2
5	1565076	Bracket.....	1
6	1586428	Nut	2
7	2073760	Wire Harness (Lights).....	1
8	1539584	Grommet.....	1
9	1586759	Capscrew.....	2
10	1586495	Capscrew.....	2
11	1531001	Insert.....	2
12	1302024	Guard.....	1

STROBE LIGHT (Figure 13-2)
LED
(PENDING PER ECN 10298201⇒)



BP000363

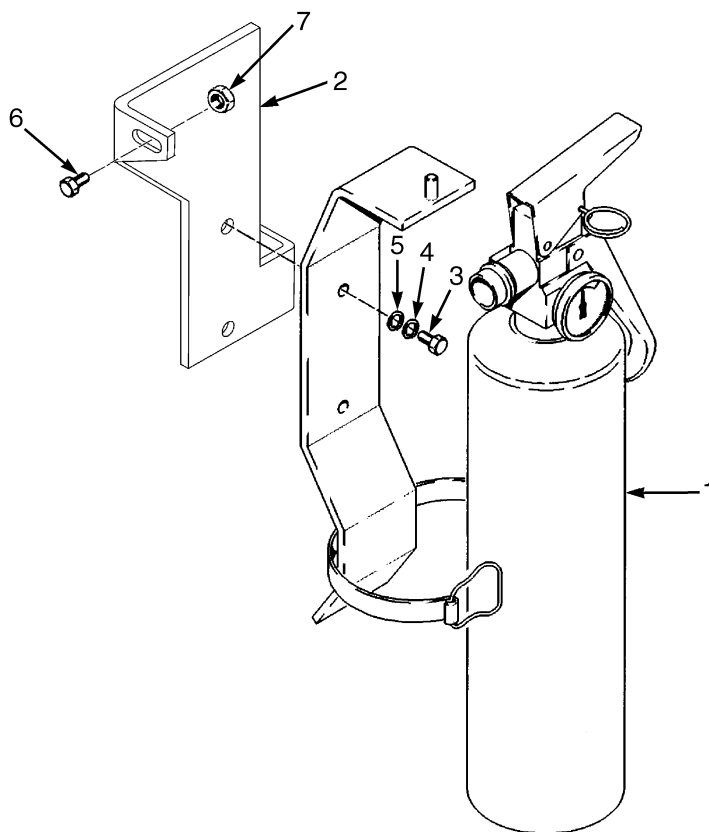
ITEM	PART NO.	DESCRIPTION	QTY
	1654013	Strobe Light Assembly.....	1
1	1652290	Strobe Light (LED).....	1
2	1463138	Pin	1
2	1561559	Connector.....	1
2	1561755	Secondary Lock.....	1

MIRROR (Figure 13-3)

BP000247

ITEM	PART NO.	DESCRIPTION	QTY
1	1301286	Mirror	2
2	1569277	Bracket (RH)	1
2	1569278	Bracket (LH)	1
3	1583611	Capscrew	4
4	1586430	Nut	4

FIRE EXTINGUISHER (Figure 13-4)

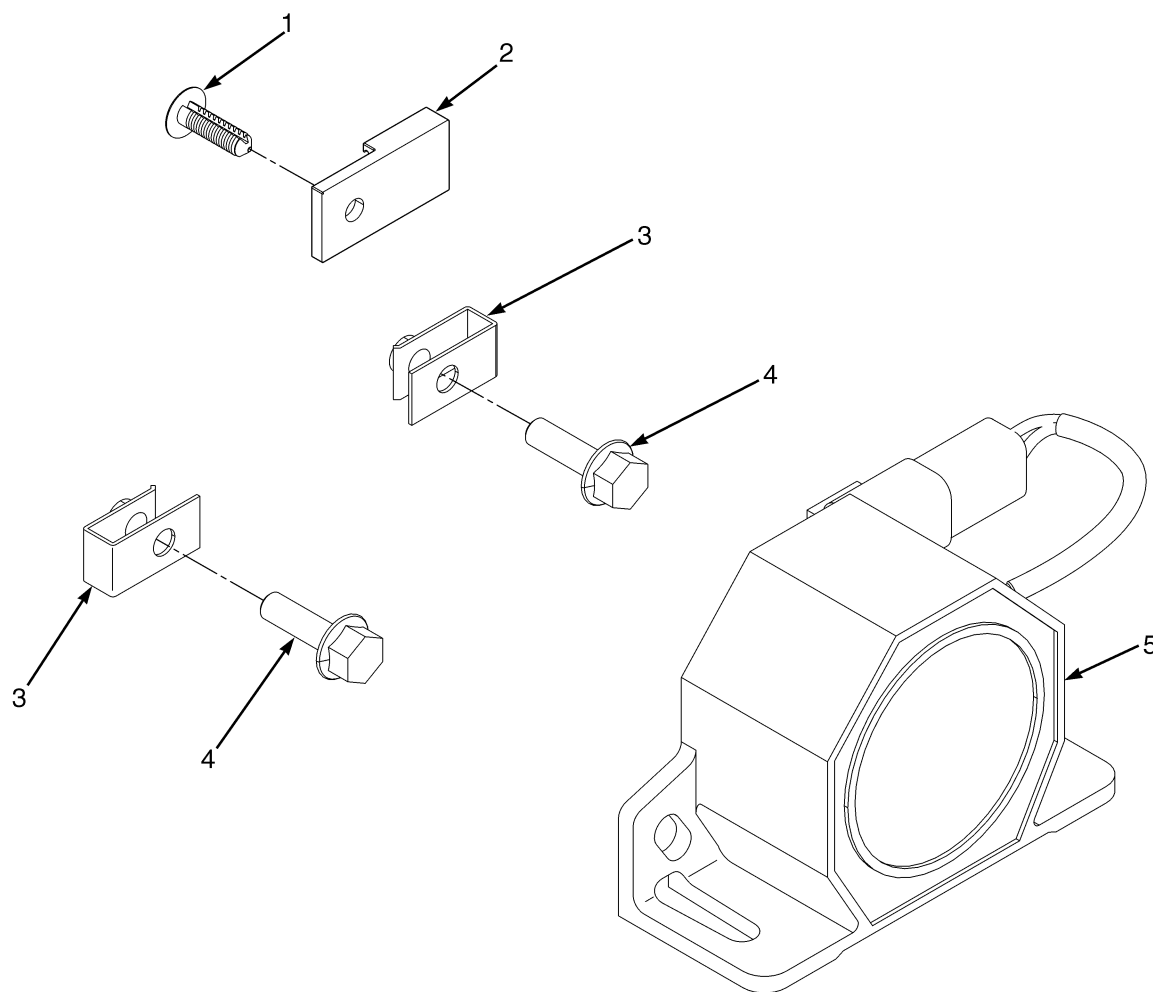


BP000252

ITEM	PART NO.	DESCRIPTION	QTY
1	146540	Fire Extinguisher Assembly	1
2	1582141	Bracket.....	1
3	296507	Screw.....	2
4	292679	Lockwasher.....	2
5	320155	Washer	2
6	1583611	Capscrew.....	1
7	1502543	Nut (Flange).....	1

[illegible]

BACK UP ALARM (Figure 13-5)

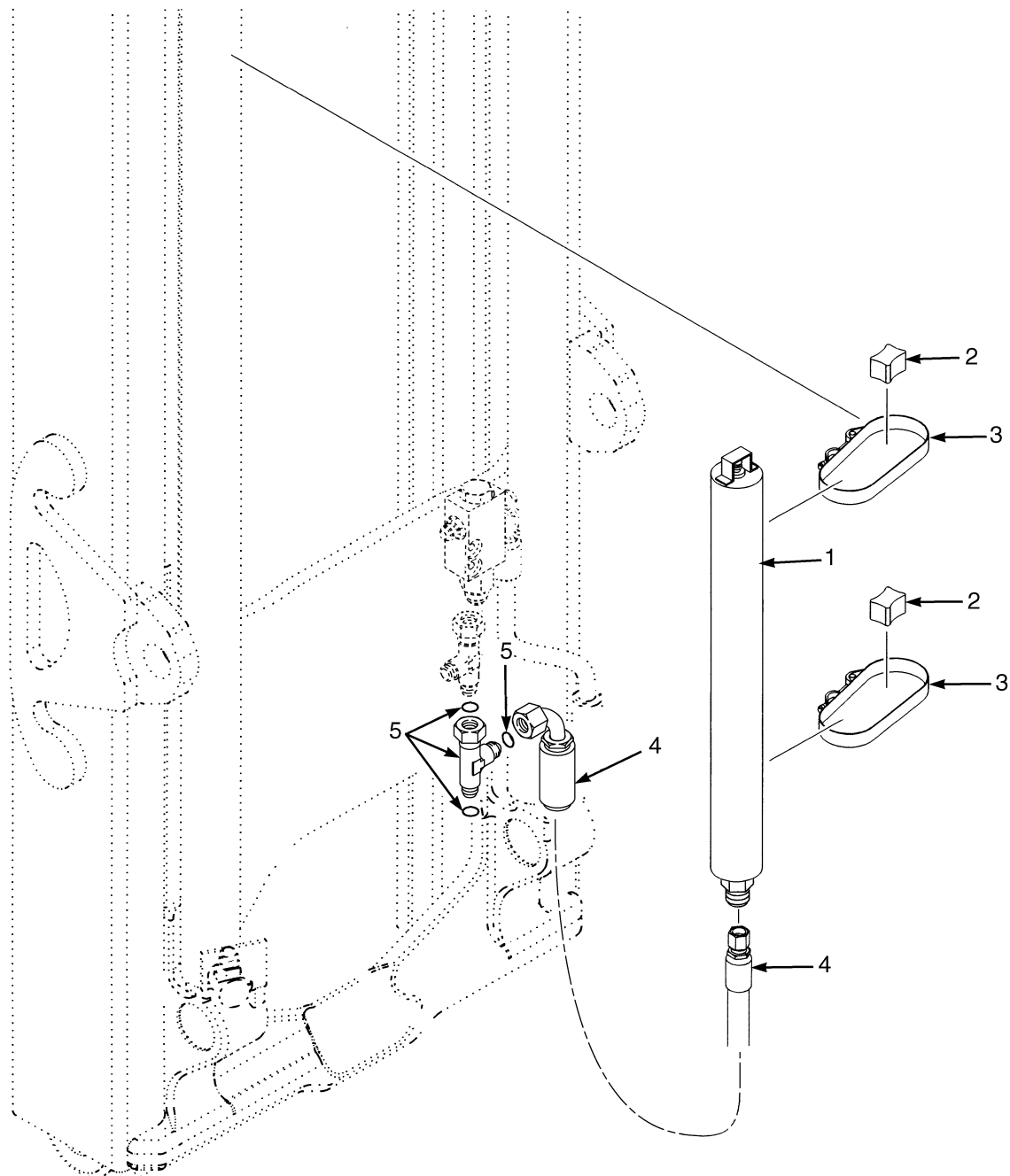


BP000308

BACK UP ALARM

ITEM	PART NO.	DESCRIPTION	QTY
1	1582464	Fastener.....	1
2	1500912	Clip	1
3	1350215	Nut (Foldover).....	2
4	1527877	Capscrew.....	2
5	2064929	Back-Up Alarm (82-102 dbA)	1

ACCUMULATOR (Figure 13-6)

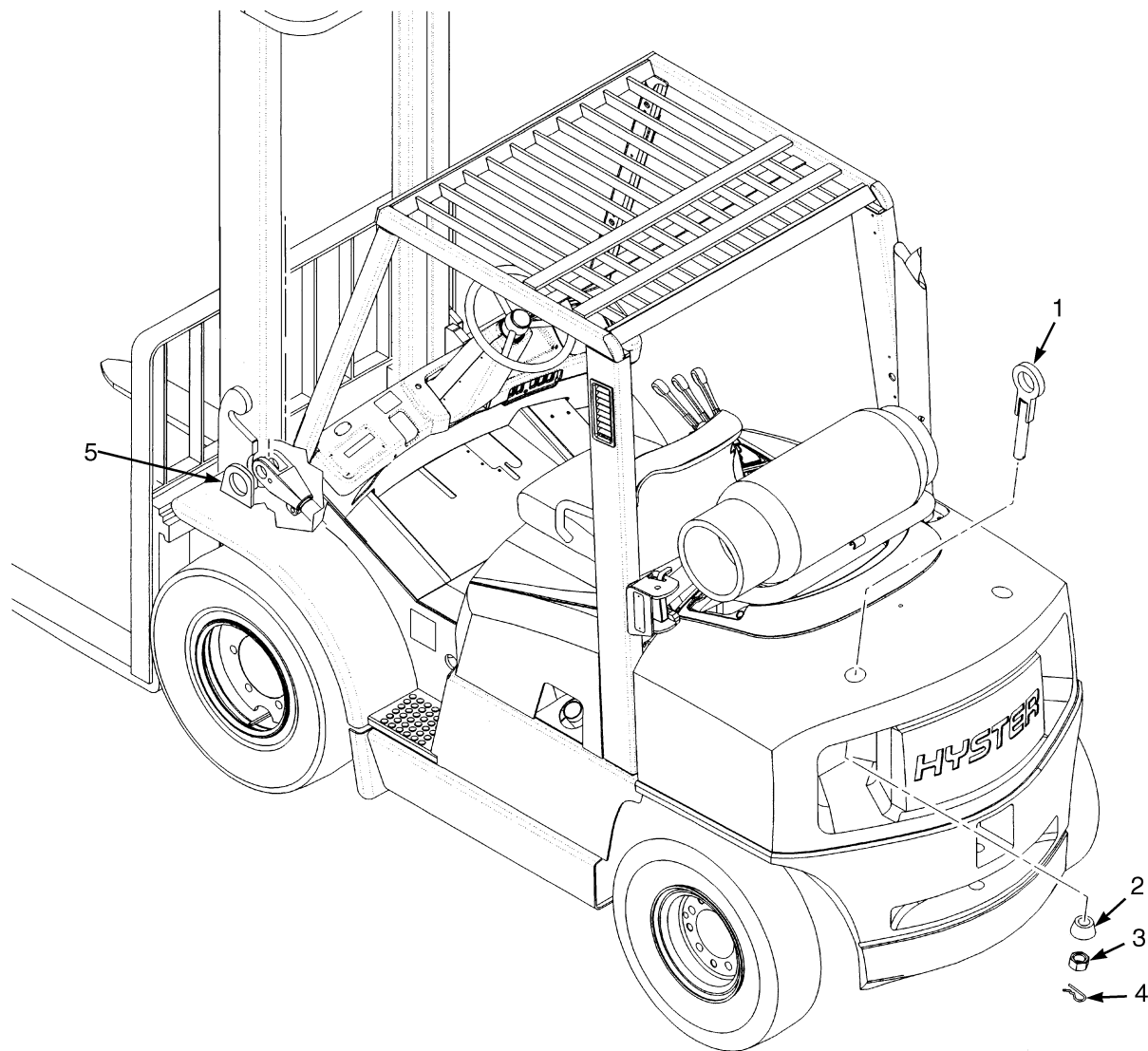


HP000908

ACCUMULATOR

ITEM	PART NO.	DESCRIPTION	QTY
1	1629185	Accumulator.....	1
2	1609864	Spacer	2
3	1611564	Clamp	2
4	2091868	Hose	1
5	1487096	Fitting.....	1
5	252729	O-Ring	3

LIFTING EYES (Figure 13-7)

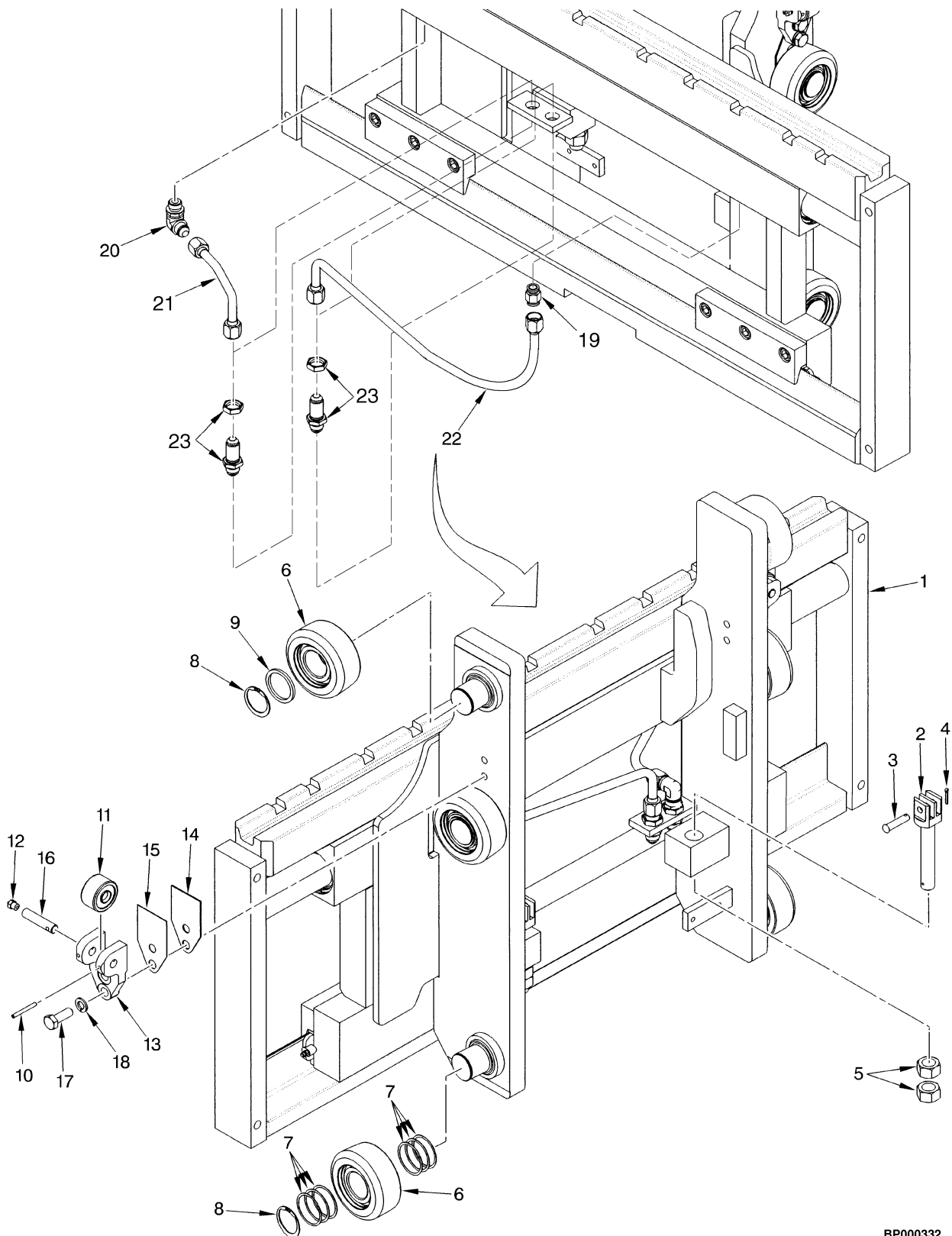


BP000181

LIFTING EYES

ITEM	PART NO.	DESCRIPTION	QTY
1	1651797	Eyebolt.....	2
2	1474318	Anchor	2
3	292661	Nut	1
3	1593341	Nut	3
4	15246	Cotter Pin.....	2
5		Front Lifting Plate.....	2

INTEGRAL SIDE-SHIFT ASSEMBLY (Figure 13-8) H80-90FT (48 AND 60 INCH) TWO STAGE LIMITED FREE-LIFT

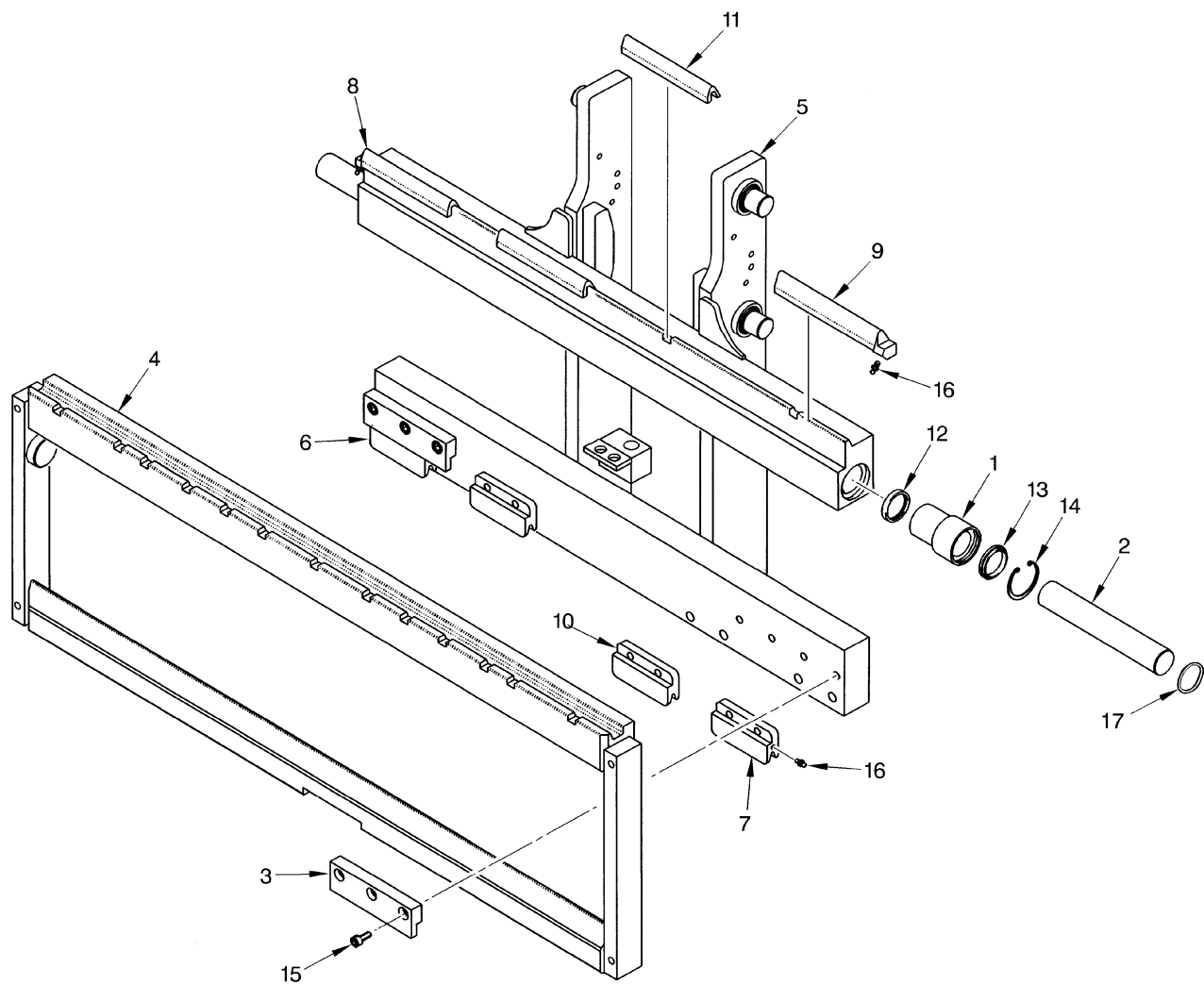


BP000332

INTEGRAL SIDE-SHIFT ASSEMBLY **H80-90FT (48 AND 60 INCH)** **TWO STAGE LIMITED FREE-LIFT**

ITEM	PART NO.	DESCRIPTION	QTY
	2037951	Carriage Assembly (48 in.) (Group No. 8502066).....	1
	2037952	Carriage Assembly (60 in.) (Group No. 8502067).....	1
1	2037943	Carriage (48 in.) (☞ Figure 13-9)	1
1	2037944	Carriage (60 in.) (☞ Figure 13-9)	1
2	1387285	Chain Anchor.....	2
3	327591	Pin	2
4	15222	Cotter Pin	2
5	221717	Nut.....	4
6	1511883	Load Roller (101.67 mm).....	6
7	126765	Shim (0.020 in.)	24
8	1465072	Snap Ring.....	6
9	1399224	Spacer.....	2
10	66333	Pin	2
11	1387993	Roller.....	2
12	16001	Lube Fitting.....	2
13	1465177	Bracket	2
14	192425	Shim (0.062 in.)	AR
15	192424	Shim (0.030 in.)	AR
16	1465028	Pin	2
17	292528	Capscrew	4
18	292683	Lockwasher	4
19	1473887	Fitting.....	1
19	265731	O-Ring.....	1
19	16484	O-Ring.....	1
20	1473897	Fitting.....	1
20	16484	O-Ring.....	1
20	265731	O-Ring.....	1
21	2093347	Hose	1
22	2093348	Hose	1
	16449	Fitting.....	2

INTEGRAL SIDE-SHIFT CARRIAGE (Figure 13-9) H80-90FT (48 AND 60 INCH) TWO STAGE LIMITED FREE-LIFT

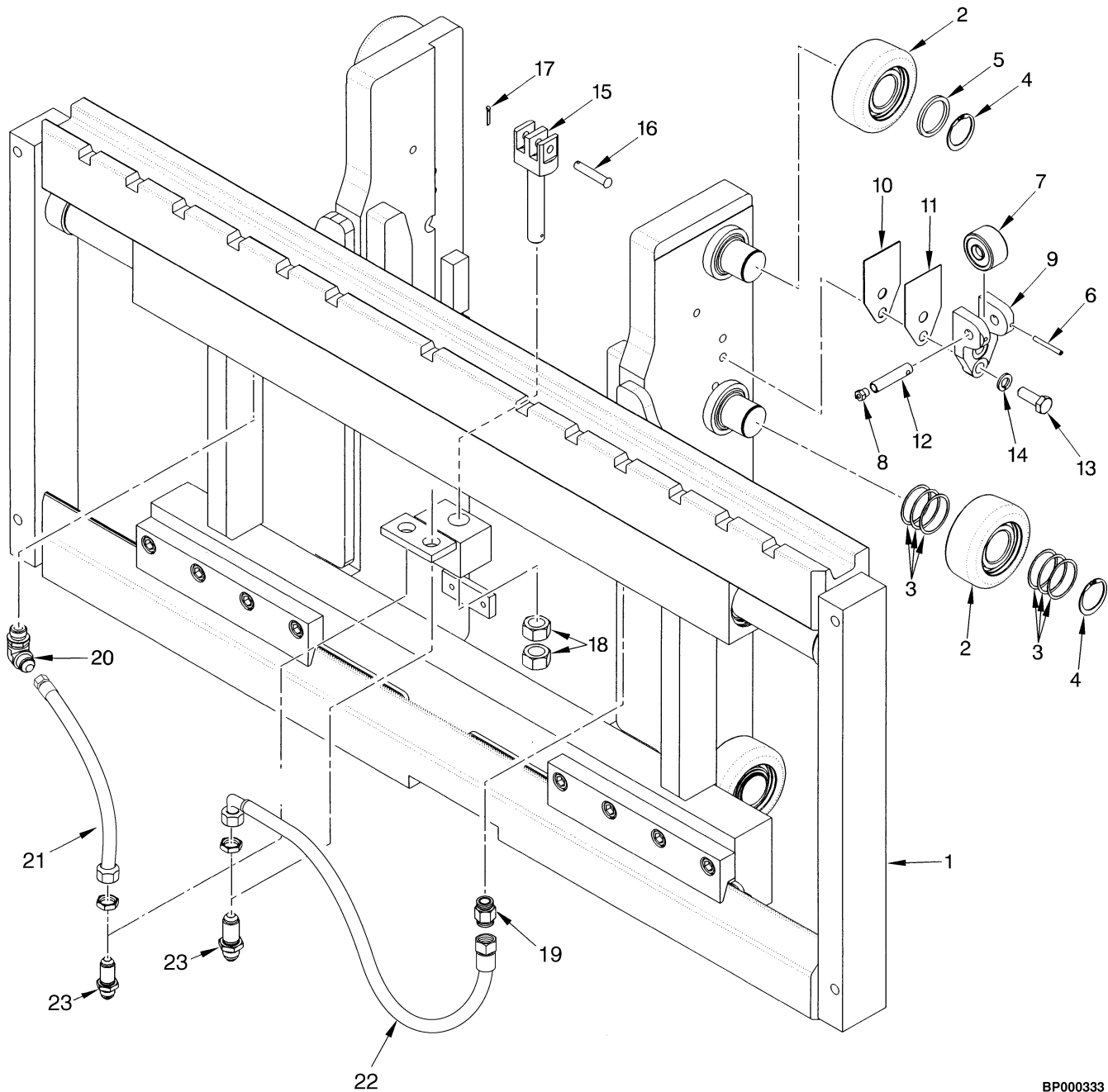


HP000036

INTEGRAL SIDE-SHIFT CARRIAGE **H80-90FT (48 AND 60 INCH)** **TWO STAGE LIMITED FREE-LIFT**

ITEM	PART NO.	DESCRIPTION	QTY
	2037943	Carriage (48 in.).....	1
	2037944	Carriage (60 in.).....	1
1	1467151	Bushing	2
2	1467153	Rod.....	2
3	1467154	Hook.....	2
4	1532640	Apron (48 in.).....	1
4	1532643	Apron (60 in.).....	1
5	1467769	Frame (48 in.).....	1
5	1467771	Frame (60 in.).....	1
6	1467145	Bearing Strip (RH Lower)	1
7	1467146	Bearing Strip (LH Lower).....	1
8	1467147	Bearing Strip (RH Upper)	1
9	1467148	Bearing Strip (LH Upper).....	1
10	1467201	Bearing Strip (Lower Center) (60 in.)	2
11	1467200	Bearing Strip (Upper Center) (60 in.)	2
12	1467202	Seal	2
13	1467203	Wiper Ring.....	2
14	1467632	Snap Ring.....	2
15	1467633	Screw	6
16	16041	Lube Fitting.....	4
17	39366	O-Ring	2
	2083998	Seal Kit (Includes Items 12-13, 17)	1

INTEGRAL SIDE-SHIFT ASSEMBLY (Figure 13-10) H100-120FT (54 AND 60 INCH) TWO STAGE LIMITED FREE-LIFT

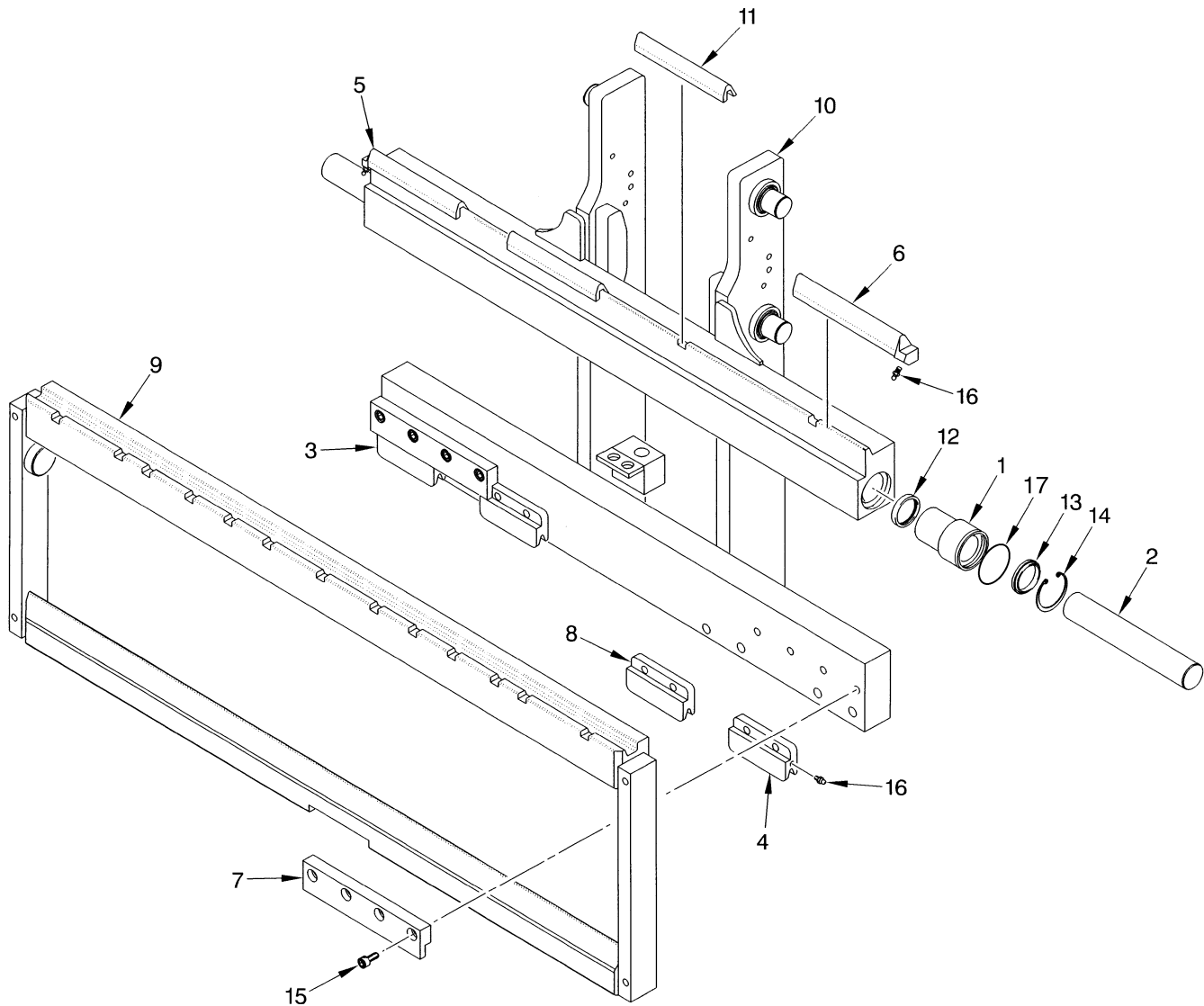


BP000333

INTEGRAL SIDE-SHIFT ASSEMBLY **H100-120FT (54 AND 60 INCH)** **TWO STAGE LIMITED FREE-LIFT**

ITEM	PART NO.	DESCRIPTION	QTY
	2037953	Carriage Assembly (54 in.) (Group No. 8502068).....	1
	2037954	Carriage Assembly (60 in.) (Group No. 8502069).....	1
1	2037945	Carriage (54 in.) (☞ Figure 13-11)	1
1	2037946	Carriage (60 in.) (☞ Figure 13-11)	1
2	1511883	Load Roller (101.67 mm).....	6
3	126765	Shim (0.020 in.)	24
4	1465072	Snap Ring.....	6
5	1399224	Spacer.....	2
6	66333	Pin	2
7	1387993	Roller.....	2
8	16001	Lube Fitting.....	2
9	1465177	Bracket	2
10	192425	Shim (0.062 in.)	AR
11	192424	Shim (0.030 in.)	AR
12	1465028	Pin	2
13	292528	Capscrew	4
14	292683	Lockwasher	4
15	1387286	Chain Anchor.....	2
16	327591	Pin	2
17	15222	Cotter Pin	2
18	221717	Nut.....	4
19	1473887	Fitting.....	1
19	265731	O-Ring.....	1
19	16484	O-Ring.....	1
20	1473897	Fitting.....	1
20	16484	O-Ring.....	1
20	265731	O-Ring.....	1
21	2093346	Hose	1
22	2093345	Hose	1
23	16448	Fitting.....	2

INTEGRAL SIDE-SHIFT CARRIAGE (Figure 13-11) H100-120FT (54 AND 60 INCH) TWO STAGE LIMITED FREE-LIFT

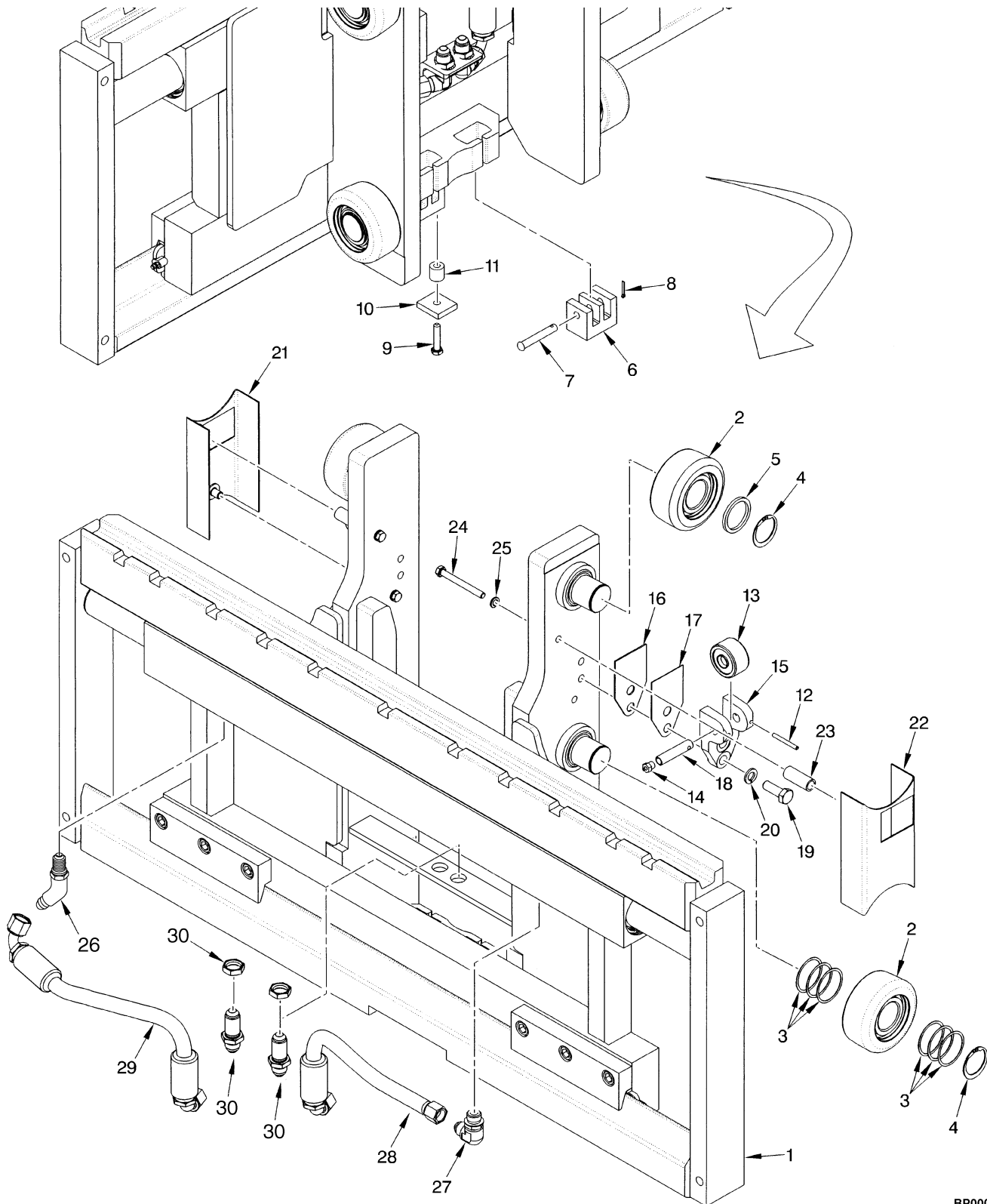


HP000037

INTEGRAL SIDE-SHIFT CARRIAGE **H100-120FT (54 AND 60 INCH)** **TWO STAGE LIMITED FREE-LIFT**

ITEM	PART NO.	DESCRIPTION	QTY
	2037945	Carriage (54 in.).....	1
	2037946	Carriage (60 in.).....	1
1	1467204	Bushing	2
2	1467205	Rod.....	2
3	1467145	Bearing Strip (RH Lower)	1
4	1467146	Bearing Strip (LH Lower).....	1
5	1467147	Bearing Strip (RH Upper)	1
6	1467148	Bearing Strip (LH Upper).....	1
7	1467206	Hook.....	2
8	1467201	Bearing Strip (Lower Center).....	2
9	1532638	Apron (54 in.).....	1
9	1532639	Apron (60 in.).....	1
10	1467774	Frame (54 in.).....	1
10	1467776	Frame (60 in.).....	1
11	1467200	Bearing Strip (Upper Center)	2
12	1467149	Seal	2
13	1467150	Wiper Ring.....	2
14	1467634	Snap Ring.....	2
15	1467633	Screw	8
16	16041	Lube Fitting.....	8
17	39365	O-Ring	2
	2083999	Seal Kit (Class III) (Includes Items 12-13, 17)	1

INTEGRAL SIDE-SHIFT ASSEMBLY (Figure 13-12) H80-90FT (48 AND 60 INCH) TWO AND THREE STAGE FULL FREE-LIFT



BP000334

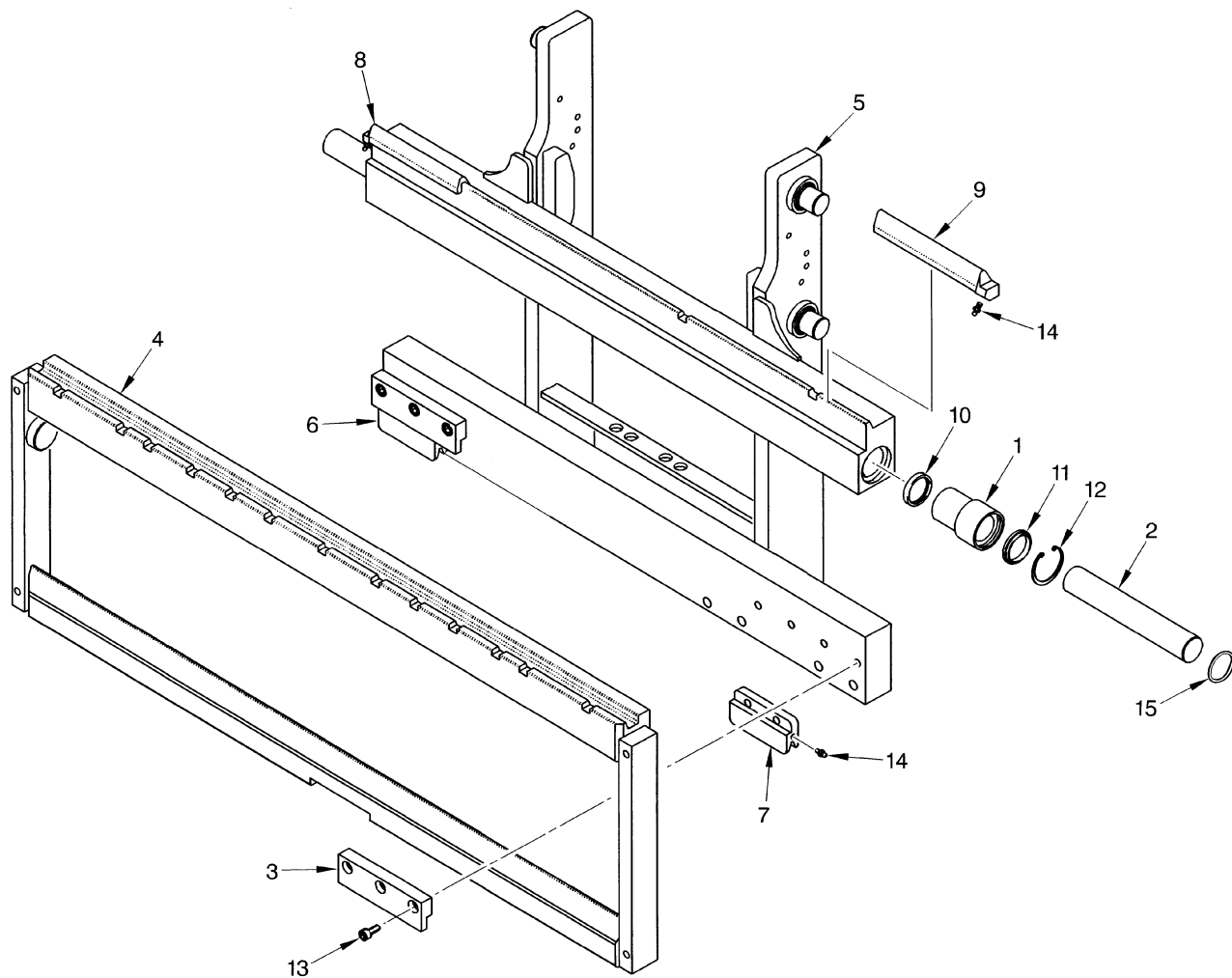
INTEGRAL SIDE-SHIFT ASSEMBLY **H80-90FT (48 AND 60 INCH)** **TWO AND THREE STAGE FULL FREE-LIFT**

ITEM	PART NO.	DESCRIPTION	QTY
	b 2038594	Carriage Assembly (48 in.) (Group No. 8502090).....	1
	b 2038596	Carriage Assembly (60 in.) (Group No. 8502091).....	1
	a 2037955	Carriage Assembly (48 in.) (Group No. 8502070).....	1
	a 2037956	Carriage Assembly (60 in.) (Group No. 8502071).....	1
1	.....	Carriage Frame (☞ Figure 13-13, ☞ Figure 13-14)	1
2	1511883	Load Roller (101.67 mm).....	6
3	126765	Shim (0.020 in.)	24
4	1465072	Snap Ring.....	6
5	1399224	Spacer	2
6	1387548	Chain Anchor.....	2
7	1387549	Pin	2
8	15222	Cotter Pin	2
9	292512	Capscrew	1
10	1400126	Plate	1
11	1400125	Spacer	1
12	66333	Pin	2
13	1387993	Roller.....	2
14	16001	Lube Fitting.....	2
15	1465177	Bracket	2
16	192425	Shim (0.062 in.)	AR
17	192424	Shim (0.030 in.)	AR
18	1465028	Pin	2
19	292528	Capscrew	4
20	292683	Lockwasher	4
21	319322	Guard (RH).....	1
22	319323	Guard (LH)	1
23	317292	Spacer	4
24	18518	Capscrew	4
25	15155	Lockwasher	4
26	1516202	Fitting.....	1
26	265731	O-Ring.....	1
26	16484	O-Ring.....	1
27	1473897	Fitting.....	1
27	16484	O-Ring.....	1
27	265731	O-Ring.....	1
28	2093349	Hose	1
29	2093350	Hose	1
30	16448	Fitting.....	2

FOOTNOTES:

- a** Three Stage Full Free-Lift
b Two Stage Full Free-Lift

INTEGRAL SIDE-SHIFT CARRIAGE (Figure 13-13) H80-90FT (48 INCH) TWO AND THREE STAGE FULL FREE-LIFT



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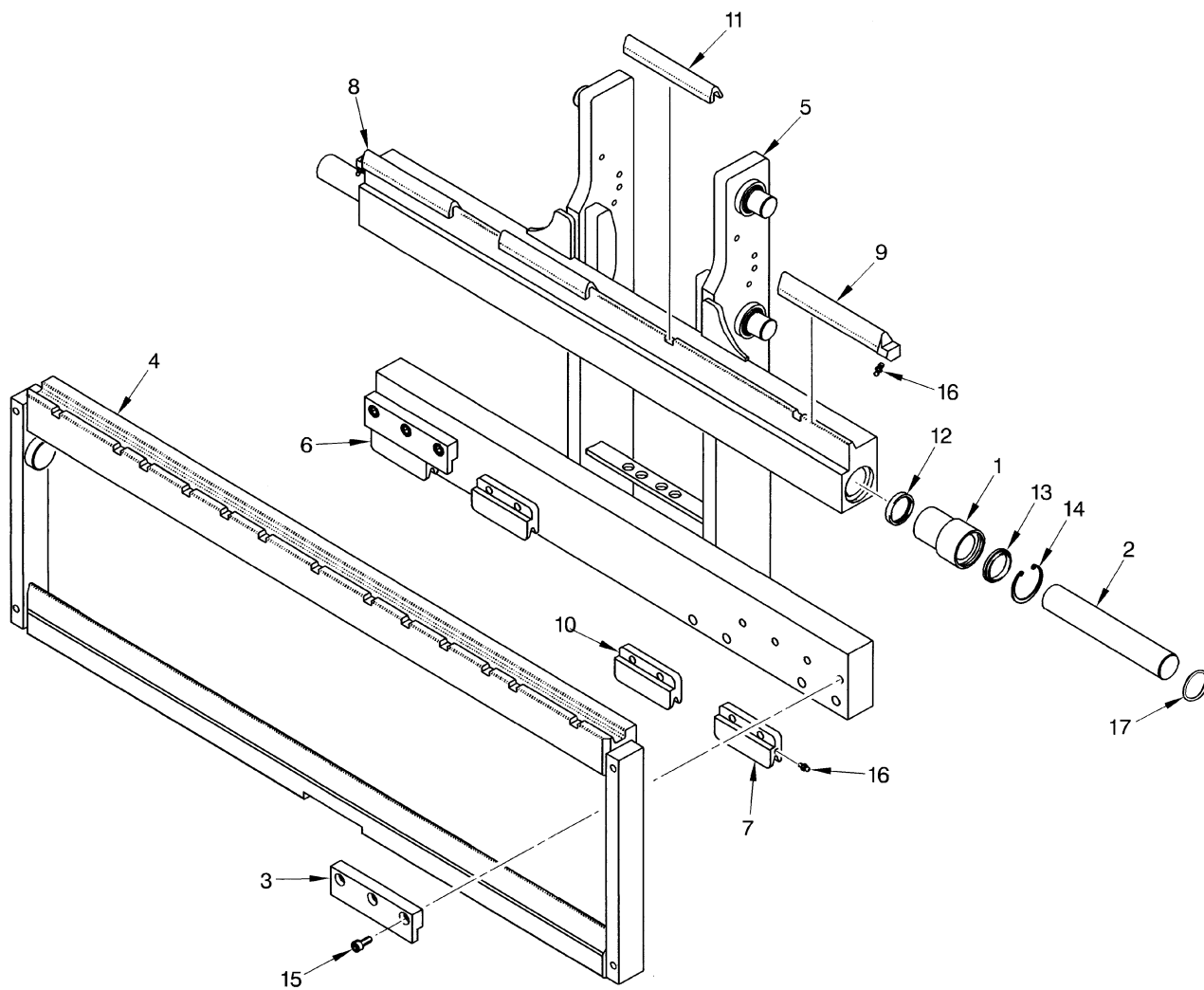
INTEGRAL SIDE-SHIFT CARRIAGE
H80-90FT (48 INCH)
TWO AND THREE STAGE FULL FREE-LIFT

ITEM	PART NO.	DESCRIPTION	QTY
	b 2038595	Carriage (48 in.).....	1
	a 2037947	Carriage (48 in.).....	1
1	1467151	Bushing	2
2	1467153	Rod.....	2
3	1467154	Hook.....	2
4	1532640	Apron.....	1
5	b 1483336	Frame	1
5	a 1467770	Frame	1
6	1467145	Bearing Strip (RH Lower)	1
7	1467146	Bearing Strip (LH Lower).....	1
8	1467147	Bearing Strip (RH Upper)	1
9	1467148	Bearing Strip (LH Upper).....	1
10	1467202	Seal	2
11	1467203	Wiper Ring.....	2
12	1467632	Snap Ring.....	2
13	1467633	Screw	6
14	16041	Lube Fitting.....	4
15	39366	O-Ring	2
	2083998	Seal Kit (Includes Items 10-11, 15)	1

FOOTNOTES:

- a** Three Stage Full Free-Lift
b Two Stage Full Free-Lift

INTEGRAL SIDE-SHIFT CARRIAGE (Figure 13-14) H80-90FT (60 IN.) TWO AND THREE STAGE FULL FREE-LIFT



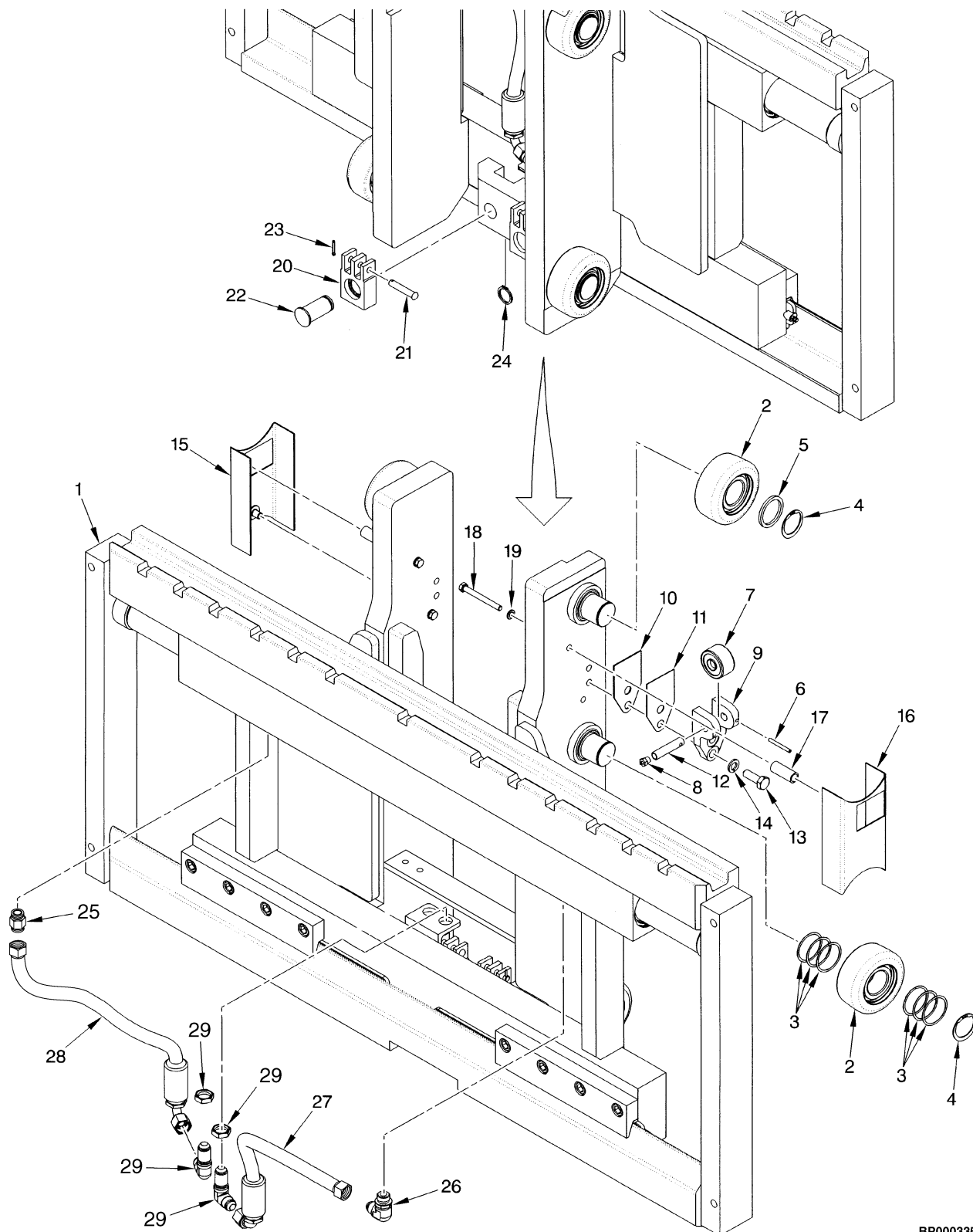
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INTEGRAL SIDE-SHIFT CARRIAGE **H80-90FT (60 IN.)** **TWO AND THREE STAGE FULL FREE-LIFT**

ITEM	PART NO.	DESCRIPTION	QTY
	b 2038599	Carriage (60 in.).....	1
	a 2037948	Carriage (60 in.).....	1
1	1467151	Bushing	2
2	1467153	Rod.....	2
3	1467154	Hook.....	2
4	1532643	Apron.....	1
5	b 1483335	Frame	1
5	a 1467772	Frame	1
6	1467145	Bearing Strip (RH Lower)	1
7	1467146	Bearing Strip (LH Lower).....	1
8	1467147	Bearing Strip (RH Upper)	1
9	1467148	Bearing Strip (LH Upper).....	1
10	1467201	Bearing Strip (Lower Center).....	2
11	1467200	Bearing Strip (Upper Center)	2
12	1467202	Seal	2
13	1467203	Wiper Ring.....	2
14	1467632	Snap Ring.....	2
15	1467633	Screw	6
16	16041	Lube Fitting.....	4
17	39366	O-Ring	2
	2083998	Seal Kit (Includes Items 12-13, 17)	1

FOOTNOTES:**a** Three Stage Full Free-Lift**b** Two Stage Full Free-Lift

INTEGRAL SIDE-SHIFT ASSEMBLY (Figure 13-15) H100-120FT (54 AND 60 INCH) TWO AND THREE STAGE FULL FREE-LIFT



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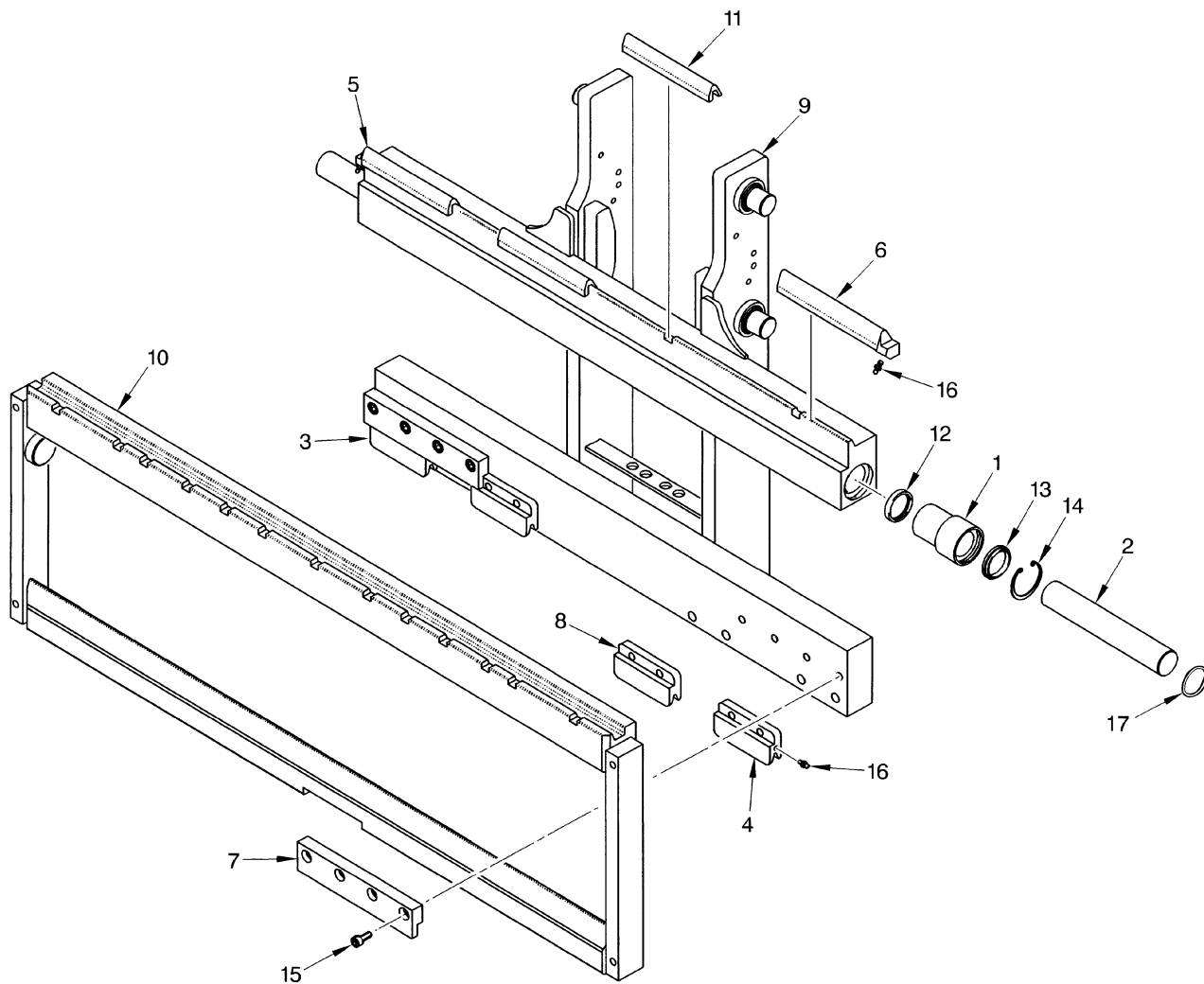
INTEGRAL SIDE-SHIFT ASSEMBLY **H100-120FT (54 AND 60 INCH)** **TWO AND THREE STAGE FULL FREE-LIFT**

ITEM	PART NO.	DESCRIPTION	QTY
	b 2038597	Carriage Assembly (54 in.) (Group No. 8502092).....	1
	b 2038598	Carriage Assembly (60 in.) (Group No. 8502093).....	1
	a 2037957	Carriage Assembly (54 in.) (Group No. 8502072).....	1
	a 2037958	Carriage Assembly (60 in.) (Group No. 8502073).....	1
1	.....	Carriage (☞ Figure 13-16)	1
2	1511883	Load Roller (101.67 mm).....	6
3	126765	Shim (0.020 in.)	24
4	1465072	Snap Ring.....	6
5	1399224	Spacer	2
6	66333	Pin	2
7	1387993	Roller.....	2
8	16001	Lube Fitting.....	2
9	1465177	Bracket	2
10	192425	Shim (0.062 in.)	AR
11	192424	Shim (0.030 in.)	AR
12	1465028	Pin	2
13	292528	Capscrew	4
14	292683	Lockwasher	4
15	319322	Guard (RH).....	1
16	319323	Guard (LH)	1
17	317292	Spacer	4
18	18520	Capscrew	3
18	18518	Capscrew	1
19	15155	Lockwasher	4
20	1480392	Chain Anchor.....	2
21	339932	Pin	2
22	320327	Pin	2
23	15222	Cotter Pin	2
24	131358	Snap Ring.....	2
25	1473887	Fitting.....	1
25	265731	O-Ring.....	1
25	16484	O-Ring.....	1
26	1473897	Fitting.....	1
26	16484	O-Ring.....	1
26	265731	O-Ring.....	1
27	2093351	Hose	1
28	2093352	Hose	1
29	16458	Fitting.....	2

FOOTNOTES:

- a** Three Stage Full Free-Lift
b Two Stage Full Free-Lift

INTEGRAL SIDE-SHIFT CARRIAGE (Figure 13-16) H100-120FT (54 AND 60 INCH) TWO AND THREE STAGE FULL FREE-LIFT



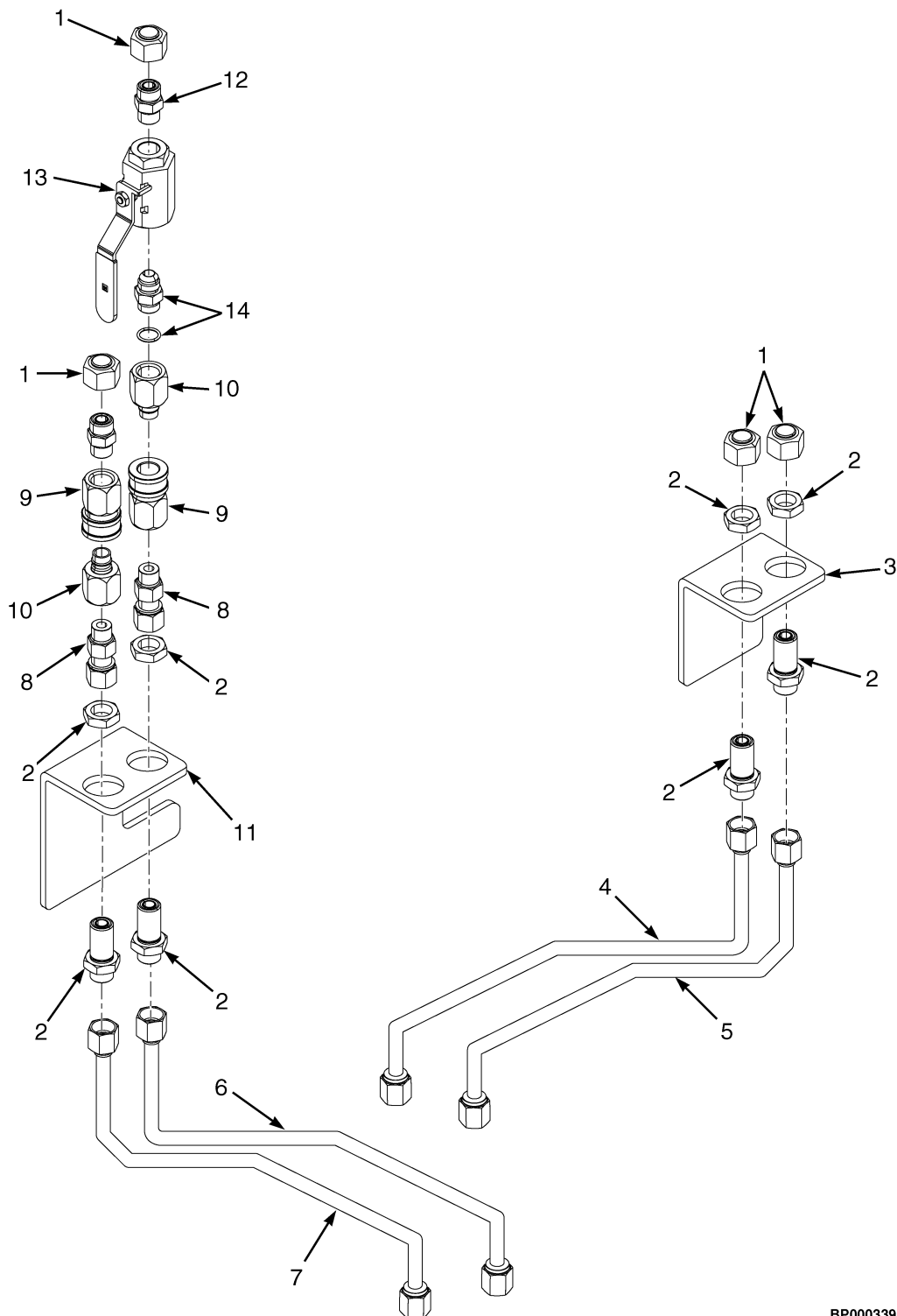
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INTEGRAL SIDE-SHIFT CARRIAGE **H100-120FT (54 AND 60 INCH)** **TWO AND THREE STAGE FULL FREE-LIFT**

ITEM	PART NO.	DESCRIPTION	QTY
	b 2038600	Carriage (54 in.).....	1
	b 2038601	Carriage (60 in.).....	1
	a 2037949	Carriage (54 in.).....	1
	a 2037950	Carriage (60 in.).....	1
1	1467204	Bushing	2
2	1467205	Rod.....	2
3	1467145	Bearing Strip (RH Lower)	1
4	1467146	Bearing Strip (LH Lower).....	1
5	1467147	Bearing Strip (RH Upper)	1
6	1467148	Bearing Strip (LH Upper).....	1
7	1467206	Hook.....	2
8	1467201	Bearing Strip (Lower Center).....	2
9	b 1483331	Frame (60 in.).....	1
9	b 1483333	Frame (54 in.).....	1
9	a 1467773	Frame (54 in.).....	1
9	a 1467775	Frame (60 in.).....	1
10	1532638	Apron (54 in.).....	1
10	1532639	Apron (60 in.).....	1
11	1467200	Bearing Strip (Upper Center)	2
12	1467149	Seal	2
13	1467150	Wiper Ring.....	2
14	1467634	Snap Ring.....	2
15	1467633	Screw	8
16	16041	Lube Fitting.....	8
17	39365	O-Ring	2
	2083999	Seal Kit (Class III) (Includes Items 12-13, 17)	1

FOOTNOTES:**a** Three Stage Full Free-Lift**b** Two Stage Full Free-Lift

AUXILIARY TUBE EXTENSIONS (Figure 13-17) TWO STAGE LIMITED FREE-LIFT



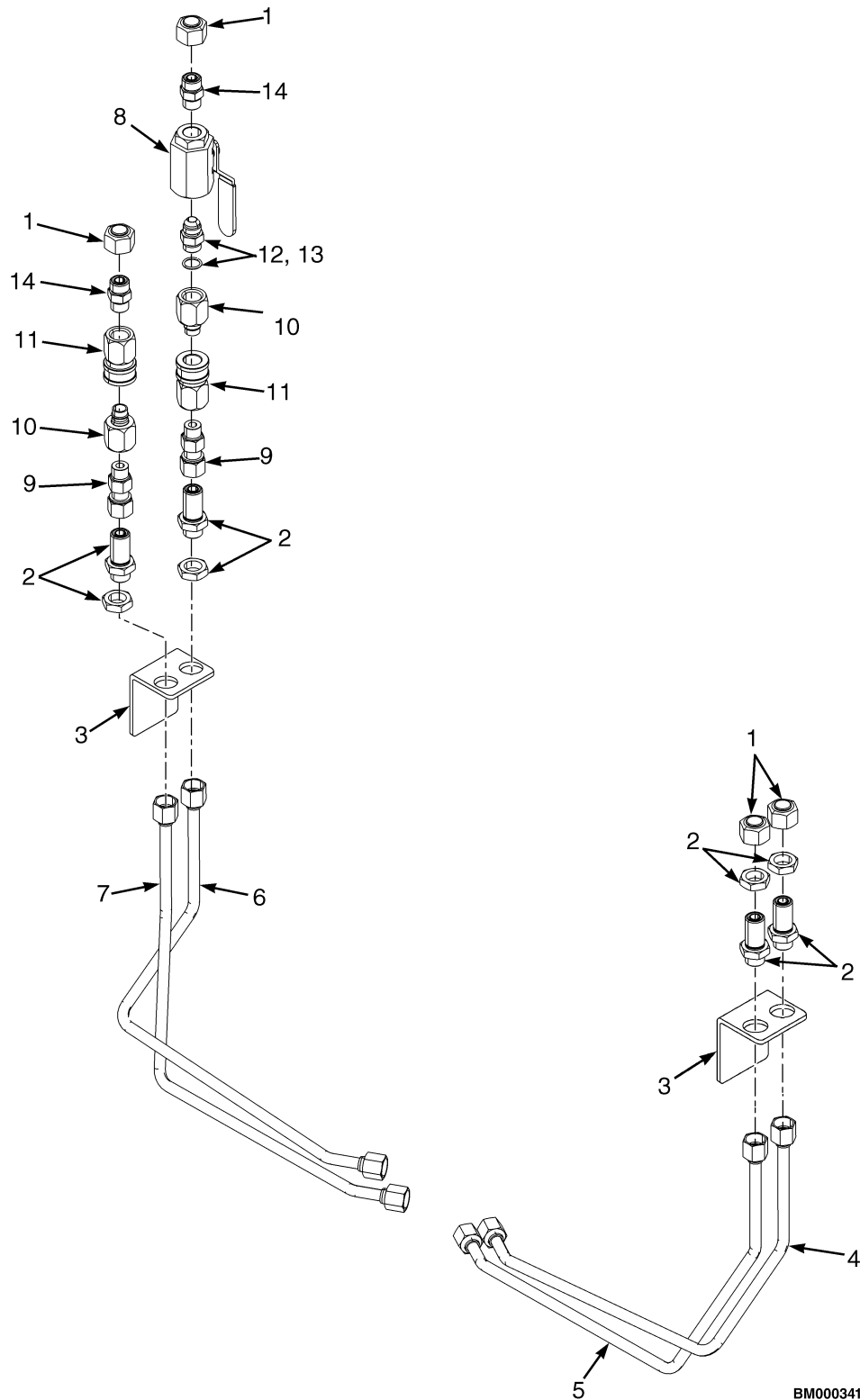
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**AUXILIARY TUBE EXTENSIONS
TWO STAGE LIMITED FREE-LIFT****KEY:****A: B749, Three Function****B: B749, Four Function****C: B750, Three Function****D: B750, Four Function**

ITEM	PART NO.	DESCRIPTION	QTY			
			A	B	C	D
1	1529016	Cap	2	4	2	4
2	816591	Fitting.....	2	4	2	4
2	265731	O-Ring	2	2	2	2
3	1646850	Bracket.....	1	1	1	1
4	2093180	Tube	1	..	..	..
4	2093184	Tube	..	..	1	..
4	a 2093192	Tube	1	..	..	..
5	2093179	Tube	1	..	..	..
5	2093183	Tube	..	..	1	..
5	a 2093191	Tube	1	..	..	..
6	2093182	Tube	..	1	..	..
6	2093186	Tube	..	..	..	1
6	b 2093188	Tube	..	1	..	..
6	b 2093190	Tube	..	..	..	1
6	a 2093194	Tube	..	1	..	..
7	2093181	Tube	..	1	..	..
7	2093185	Tube	..	..	..	1
7	b 2093187	Tube	..	1	..	..
7	b 2093189	Tube	..	..	..	1
7	a 2093193	Tube	..	1	..	..
8	1622610	Fitting.....	2	4	2	4
8	16484	O-Ring	1	1	1	1
9	1377953	Fitting.....	2	4	2	4
10	1377954	Fitting.....	2	2	2	2
11	b 1647864	Bracket (LH).....	1	1	1	1
12	1473887	Fitting.....	2	4	2	4
12	16484	O-Ring	1	1	1	1
13	2087565	Ball Valve	1	1	1	1
14	16541	Fitting.....	1	1	1	1
14	16484	O-Ring	1	1	1	1
	181298	Dust Cap (Not Illustrated)	1	2	1	2
	181266	Dust Plug (Not Illustrated).....	1	2	1	2

FOOTNOTES:**a** Used With Attachment Carriage**b** Used With Integral Side-Shift Carriage

AUXILIARY TUBE EXTENSIONS (Figure 13-18) THREE STAGE FULL FREE-LIFT

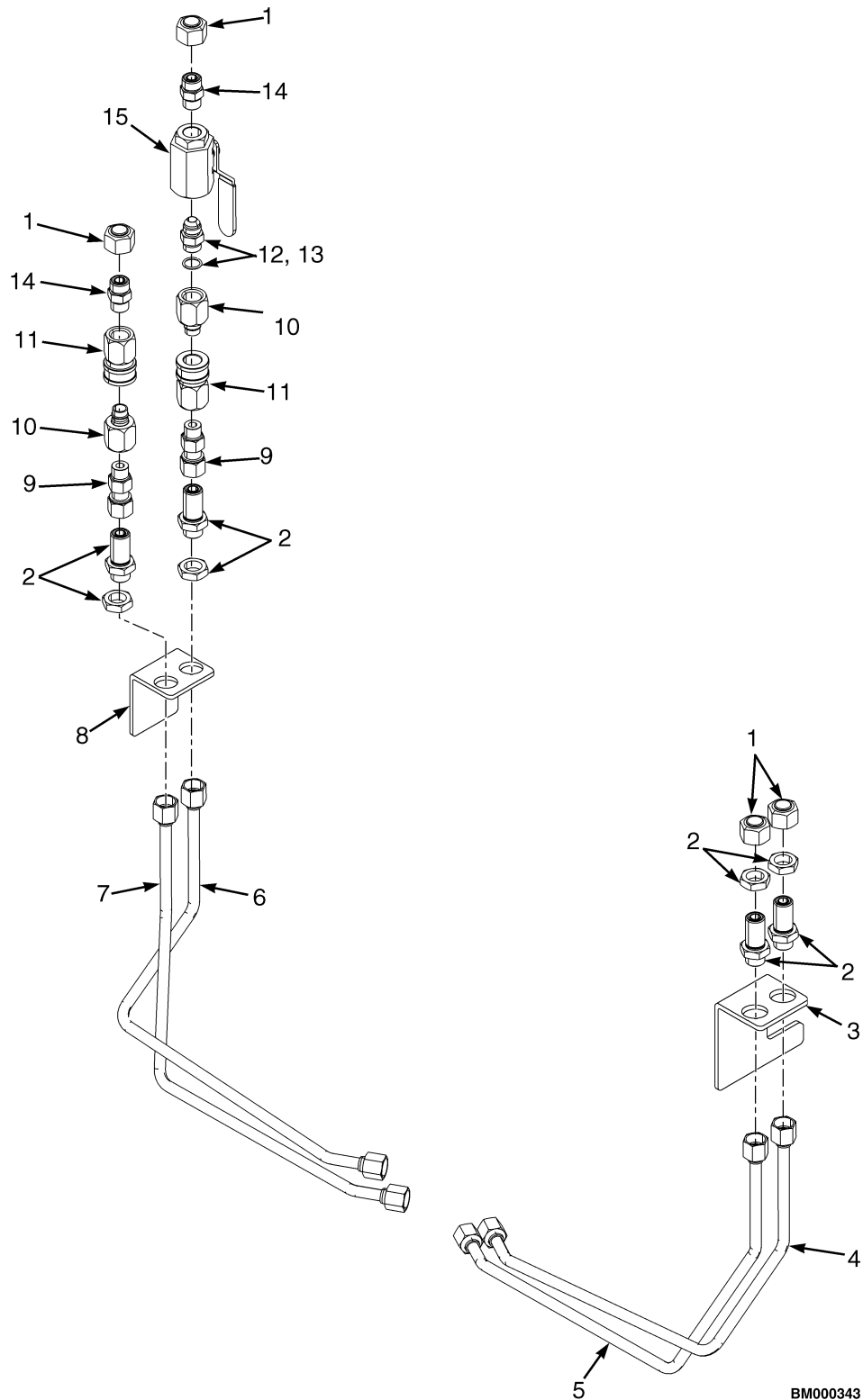


**AUXILIARY TUBE EXTENSIONS
THREE STAGE FULL FREE-LIFT****KEY:****A: B751 Three Function****B: B752 Three Function****C: B751 Four Function****D: B752 Four Function**

ITEM	PART NO.	DESCRIPTION	QTY			
			A	B	C	D
1	1529016	Cap	2	2	2	2
2	816591	Fitting.....	2	2	2	2
3	1646850	Bracket.....	2	2	2	2
4	2093671	Tube	..	..	1	..
4	2093659	Tube	..	..	..	1
4	c 2093677	Tube	..	..	1	..
4	c 2093663	Tube	..	..	..	1
4	b 2093667	Tube	..	..	1	..
5	2093672	Tube	..	..	1	..
5	2093660	Tube	..	..	..	1
5	c 2093678	Tube	..	..	1	..
5	c 2093664	Tube	..	..	..	1
5	b 2093668	Tube	..	..	..	1
6	2093669	Tube	1	..	..	..
6	2093657	Tube	..	1	..	..
6	b 2093665	Tube	1	..	..	..
7	2093670	Tube	1	..	..	..
7	2093658	Tube	..	1	..	..
7	b 2093666	Tube	1	..	..	..
8	2087565	Ball Valve	1	1	1	1
9	1622610	Fitting.....	2	2	2	2
9	16484	O-Ring	1	1	1	1
9	265731	O-Ring	2	2	2	2
10	1377954	Fitting.....	2	2	2	2
11	1377953	Fitting.....	2	2	2	2
12	16541	Fitting.....	1	1	1	1
13	16484	O-Ring	1	1	1	1
14	1473887	Fitting.....	2	2	2	2
14	265731	O-Ring	1	1	1	1
14	16484	O-Ring	1	1	1	1
	a 181266	Dust Plug	1	1	1	1
	a 181298	Dust Cap.....	1	1	1	1

FOOTNOTES:**a** Not Illustrated**b** Used with Attachment Carriage**c** Used with Integral Side-Shift

AUXILIARY TUBE EXTENSIONS (Figure 13-19) TWO STAGE FULL FREE-LIFT



**AUXILIARY TUBE EXTENSIONS
TWO STAGE FULL FREE-LIFT****KEY:****A: B753, Three Function****B: B754, Three Function****C: B753, Four Function****D: B754, Four Function**

ITEM	PART NO.	DESCRIPTION	QTY			
			A	B	C	D
1	1529016	Cap	2	2	2	2
2	816591	Fitting	2	2	2	2
3	c 1647864	Bracket	1	1	1	1
3	b 1646850	Bracket	1	1	1	1
4	2093655	Tube	..	..	1	..
4	2093659	Tube	1	..	..	1
4	c 2093661	Tube	..	..	1	..
4	b 2093667	Tube	..	..	1	..
5	2093656	Tube	..	..	1	..
5	2093660	Tube	..	..	..	1
5	c 2093662	Tube	..	..	1	..
5	c 2093664	Tube	..	..	..	1
5	b 2093668	Tube	..	..	1	..
6	2093654	Tube	1	..	..	..
6	2093658	Tube	..	1	..	..
6	b 2093666	Tube	1	..	..	..
7	2093653	Tube	1	..	..	..
7	2093657	Tube	..	1	..	..
7	b 2093665	Tube	1	..	..	..
8	1646850	Bracket	1	1	1	1
9	1622610	Fitting	2	2	2	2
9	16484	O-Ring	1	1	1	1
9	265731	O-Ring	1	1	1	1
10	1377954	Fitting	2	2	2	2
11	1377953	Fitting	2	2	2	2
12	16541	Fitting	1	1	1	1
13	16484	O-Ring	1	1	1	1
14	1473887	Fitting	2	2	2	2
14	265731	O-Ring	1	1	1	1
14	16484	O-Ring	1	1	1	1
15	2087565	Ball Valve	1	1	1	1
	a 181266	Dust Plug	1	1	1	1
	a 181298	Dust Cap	1	1	1	1

FOOTNOTES:**a** Not Illustrated**b** Used with Attachment Carriage**c** Used with Integral Side-Shift Carriage

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SECTION 14

FIELD CONVERSION KITS

DESCRIPTION	PAGE
ADD ON OPTION KITS.....	14-3
AUXILARY TUBE EXTENSION KIT	14-7
BRAKE AND INCHING PEDAL CONVERSION.....	14-2
E-HYDRAULIC CONTROL CONVERSION KITS.....	14-3
HEADER HOSE CONVERSION KITS THREE STAGE FULL FREE-LIFT	14-5
HEADER HOSE CONVERSION KITS TWO STAGE FULL FREE-LIFT	14-4
HEADER HOSE CONVERSION KITS TWO STAGE LIMITED FREE-LIFT	14-4
HYDRAULIC CONTROL CONVERSIONS.....	14-3
SEAT CONVERSION KITS	14-2
WEATHER PROTECTION KITS.....	14-2
WHEEL CONVERSION.....	14-2

BRAKE AND INCHING PEDAL CONVERSION

DESCRIPTION	PART NUMBER
Kit - Brake Dual Pedals With Dry Brake (80 and 100 BCS)	1619989
Kit - Brake Dual Pedals With Dry Brake (90-120)	1619990
Kit - Brake Dual Pedals With Wet Brake (80-120)	1619991

WHEEL CONVERSION

DESCRIPTION	PART NUMBER
Wide Tread Conversion Kit 80-90 (250 x 15)	1622901
Wide Tread Conversion Kit 100-120 (300 x 15)	1622902
Dual Drive Wheel Conversion Kit 80-90 (7.00x15 Tires)	1623081
Dual Drive Wheel Conversion Kit 100-120 with Dry Brakes (8.25x15)	1623082
Dual Drive Wheel Conversion Kit 100-120 with Wet Brakes (8.25x15)	1623083

SEAT CONVERSION KITS

DESCRIPTION	PART NUMBER
Swivel Seat, Vinyl, without Electronic Controls Kit	1587556
Swivel Seat Cloth without Electronic Controls Kit	1587557
Swivel Seat Kit-Full Suspension Vinyl with E-Hydraulic Control	1622624
Swivel Seat Kit-Full Suspension Cloth with E-Hydraulic Control	1622625

WEATHER PROTECTION KITS

DESCRIPTION	PART NUMBER
Rear Screen, Steel/Glass For High Overhead Guard	1650491
PVC RH and LH Side Doors for High Overhead Guard	1650492
Heater Kit	1659013

ADD ON OPTION KITS

DESCRIPTION	PART NUMBER
Push Button Start with Remote Keyswitch Conversion Kit	a 1624521
Forward/Reverse Lever to Monotrol Pedal	1625467
Monotrol Pedal to Forward/Reverse Lever Kit	1583198
Return To Set Tilt (Three Function Mini-Levers without Clamping)	a 1633043
Return to Set Tilt (Four Function Mini-Levers without Clamping)	a 1633044
Return to Set Tilt (Three Function Mini-Levers with Clamping)	a 1633046
Return to Set Tilt (Four Function Mini-Levers with Clamping)	a 1633047
Impact Monitoring Kit with Immediate Shutdown	a 1629135

ADD ON OPTION KITS

DESCRIPTION	PART NUMBER
Kit-Fire Extinguisher without Cab	1650586
Kit-Fire Extinguisher with Cab	1635618

FOOTNOTES:

- a** Kit requires Software that must be Dealer installed

E-HYDRAULIC CONTROL CONVERSION KITS

DESCRIPTION	PART NUMBER
Three Function Mini-Levers without Clamping to Three Function Mini-Levers with Clamping	a 1585281
Three Function Mini-Levers with Clamping to Three Function Mini-Levers without Clamping	a 1607685
Three Function Mini-Levers without clamping to Four Function without Clamping	a 1633676
Three Function Mini-Levers without clamping to Four Function with Clamping	a 1633677
Four Function Mini Lever with Clamp to Four Function without Clamping	a 1635699
Three Function Mini-Levers without Clamping to Three Function Joystick without Clamping	a 1585525
Three Function Mini Levers without Clamp To Three Function Joystick with Clamping	a 1626738

FOOTNOTES:

- a** Kit requires Software that must be Dealer installed

HYDRAULIC CONTROL CONVERSIONS

DESCRIPTION	PART NUMBER
Manual Three Function Levers without Clamping to Three Function Levers with Clamping	1584061
Manual Three Function Levers without Clamping to Four Function Levers without Clamping	1633945
Manual Three Function Levers without Clamping to Four Function Levers with Clamping	1633943

HEADER HOSE CONVERSION KITS TWO STAGE LIMITED FREE-LIFT

Two To Three Function

DESCRIPTION	OALH						QTY
	2740 mm (107.9 in.)	3000 mm (118.1 in.)	3340 mm (131.5 in.)	3600 mm (141.7 in.)	3940 mm (155.1 in.)	4200 mm (165.4 in.)	
Mast Group Number	B750 2740	B749 3000	B750 3340	B749 3600	B750 3940	B749 4200	
Header Hose Conversion Kit	1635133	1635133	1635135	1635135	1635137	1635137	1

Two To Four Function

DESCRIPTION	OALH						QTY
	2740 mm (107.9 in.)	3000 mm (118.1 in.)	3340 mm (131.5 in.)	3600 mm (141.7 in.)	3940 mm (155.1 in.)	4200 mm (165.4 in.)	
Mast Group Number	B750 2740	B749 3000	B750 3340	B749 3600	B750 3940	B749 4200	
Header Hose Conversion Kit	1635134	1635134	1635136	1635136	1635138	1635138	1

Three To Four Function

DESCRIPTION	OALH						QTY
	2740 mm (107.9 in.)	3000 mm (118.1 in.)	3340 mm (131.5 in.)	3600 mm (141.7 in.)	3940 mm (155.1 in.)	4200 mm (165.4 in.)	
Mast Group Number	B750 2740	B749 3000	B750 3340	B749 3600	B750 3940	B749 4200	
Header Hose Conversion Kit	1635133	1635133	1635135	1635135	1635137	1635137	1

HEADER HOSE CONVERSION KITS TWO STAGE FULL FREE-LIFT

DESCRIPTION	PART NUMBER
Two to Three Function 80-90 (3025mm)	1635118
Three to Four Function 80-90 (3025mm)	1635119
Two to Four Function 80-90 (3025mm)	1635120
Two to Three Function 80-90 (3625 mm)	1635121
Three to Four Function 80-90 (3625mm)	1635122
Two to Four Function 80-90 (3625mm)	1635123
Two to Three Function 100-120 (2765mm)	1635124
Three to Four Function 100-120 (2765mm)	1635125
Two to Four Function 100-120 (2765mm)	1635126

HEADER HOSE CONVERSION KITS THREE STAGE FULL FREE-LIFT

DESCRIPTION	PART NUMBER
Two to Three Function 80-90 (4365mm)	1635522
Three to Four Function 80-90 (4365mm)	1635523
Two to Four Function 80-90 (4365mm)	1635524
Two to Three Function 80-90 (4665mm)	1635525
Three to Four Function 80-90 (4665mm)	1635526
Two to Four Function 80-90 (4665mm)	1635527
Two to Three Function 80-90 (4900mm)	1635528
Three to Four Function 80-90 (4900mm)	1635529
Two to Four Function 80-90 (4900mm)	1635530
Two to Three Function 80-90 (5200mm)	1635531
Three to Four Function 80-90 (5200mm)	1635532
Two to Four Function 80-90 (5200mm)	1635533
Two to Three Function 80-90 (5500mm)	1635534
Three to Four Function 80-90 (5500mm)	1635535
Two to Four Function 80-90 (5500mm)	1635536
Two to Three Function 100-120 (4087mm)	1635540
Three to Four Function 100-120 (4087mm)	1635541
Two to Four Function 100-120 (4087mm)	1635542
Two to Three Function 100-120 (4387mm)	1635543
Three to Four Function 100-120 (4387mm)	1635544
Two to Four Function 100-120 (4387mm)	1635545
Two to Three Function 100-120 (4640mm)	1635546
Three to Four Function 100-120 (4640mm)	1635547
Two to Four Function 100-120 (4640mm)	1635548
Two to Three Function 100-120 (4940mm)	1635549
Three to Four Function 100-120 (4940mm)	1635550
Two to Four Function 100-120 (4940mm)	1635551
Two to Three Function 100-120 (5240mm)	1635552
Three to Four Function 100-120 (5240mm)	1635553
Two to Four Function 100-120 (5240mm)	1635554

AUXILARY TUBE EXTENSION KIT

DESCRIPTION	PART NUMBER
Kit-Quick Disconnect Fittings	1650605
Auxiliary Extension Tube Three Function Class III Standard Carriage Two Stage LFL	1653366
Auxiliary Extension Tube Four Function Class III Standard Carriage Two Stage LFL	1653367
Auxiliary Extension Tube Three Function Class IV Standard Carriage Two Stage LFL	1653368
Auxiliary Extension Tube Four Function Class IV Standard Carriage Two Stage LFL	1653369
Auxiliary Extension Tube Three Function Class III Integral Side-Shift Carriage Two Stage LFL	1653370
Auxiliary Extension Tube Four Function Class III Integral Side-Shift Carriage Two Stage LFL	1653371
Auxiliary Extension Tube Three Function Class IV Integral Side-Shift Carriage Two Stage LFL	1653372
Auxiliary Extension Tube Four Function Class IV Integral Side-Shift Carriage Two Stage LFL	1653373
Auxiliary Extension Tube Three Function Class III Attachment Carriage Two Stage LFL	1653374
Auxiliary Extension Tube Four Function Class III Attachment Carriage Two Stage LFL	1653375
Auxiliary Extension Tube Three Function Class III Standard Carriage Two Stage FFL	1653620
Auxiliary Extension Tube Four Function Class III Standard Carriage Two Stage FFL	1653621
Auxiliary Extension Tube Three Function Class IV Standard Carriage Two Stage FFL	1653622
Auxiliary Extension Tube Four Function Class IV Standard Carriage Two Stage FFL	1653623
Auxiliary Extension Tube Three Function Class III Integral Side-Shift Carriage Two Stage FFL	1653624
Auxiliary Extension Tube Four Function Class III Integral Side-Shift Carriage Two Stage FFL	1653625
Auxiliary Extension Tube Three Function Class IV Integral Side-Shift Carriage Two Stage FFL	1653626
Auxiliary Extension Tube Four function Class IV Integral Side-Shift Carriage Two Stage FFL	1653627
Auxiliary Extension Tube Three Function Class III Attachment Carriage Two Stage FFL	1653628
Auxiliary Extension Tube Four Function Class III Attachment Carriage Two Stage FFL	1653629
Auxiliary Extension Tube Three Function Class III Standard Carriage Three Stage FFL	1652135
Auxiliary Extension Tube Four Function Class III Standard Carriage Three Stage FFL	1652136
Auxiliary Extension Tube Three Function Class IV Standard Carriage Three Stage FFL	1652137
Auxiliary Extension Tube Four Function Class IV Standard Carriage Three Stage FFL	1652138

AUXILARY TUBE EXTENSION KIT

DESCRIPTION	PART NUMBER
Auxiliary Extension Tube Three Function Class III Integral Side-Shift Carriage Three Stage FFL	1652139
Auxiliary Extension Tube Four Function Class III Integral Side-Shift Carriage Three Stage FFL	1651306
Auxiliary Extension Tube Three Function Class IV Integral Side-Shift Carriage Three Stage FFL	1652141
Auxiliary Extension Tube Four Function Class IV Integral Side-Shift Carriage Three Stage FFL	1652142
Auxiliary Extension Tube Three Function Class III Attachment Carriage Three Stage FFL	1652143
Auxiliary Extension Tube Four Function Class III Attachment Carriage Three Stage FFL	1652144

[illegible]

**SECTION 15
NUMERICAL INDEX**

PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
126	4-11	2		13-15	4		8-15	37		5-23	38
	4-23	32		13-19	17		8-15	41		5-24	44
206	8-7	19		13-23	8	16483	7-9	1		5-33	6
	8-15	19		13-29	23		8-3	30		5-33	18
12855	3-29	19	15224	12-9	10		8-3	35		5-33	40
12856	3-11	10	15229	7-11	38		8-7	30		5-45	6
12891	10-5	7	15241	6-5	12		8-7	35		5-45	40
	12-5	13	15246	13-13	4		8-27	9		5-45	42
12921	2-41	8	15347	3-15	7		9-45	8		5-57	9
12929	8-7	20	15879	10-13	3		10-7	6		11-4	20
	8-15	20		12-15	8		12-11	3	16486	5-13	41
13957	7-11	18	15885	11-15	11	16484	5-14	48		5-23	39
	7-11	25		12-23	11		5-23	40		5-33	41
14358	3-13	11	15916	4-11	5		5-24	48		5-34	43
14372	3-13	10		4-23	22		5-33	8		5-45	41
14385	2-18	33	15931	3-39	11		5-45	8		8-3	33
	2-22	33	16001	9-41	7		7-9	7		8-7	33
	2-26	33		13-15	12		7-9	8		9-3	18
	2-29	33		13-19	8		8-3	32		9-3	25
14387	2-37	1		13-23	14		8-7	32		10-7	7
14595	10-7	10		13-29	8		8-27	3		11-3	9
	11-3	10	16015	9-41	10		9-3	4		12-12	21
	12-12	23	16041	13-17	16		9-45	4	16487	5-14	47
14603	5-13	40		13-21	16		9-45	5		5-14	55
	10-7	7		13-25	14		9-45	20		5-24	47
	11-3	9		13-27	16		10-7	10		5-34	47
14604	6-5	13		13-31	16		10-7	13		5-46	47
15002	4-11	6	16078	4-25	3		11-3	11		6-5	13
	4-23	23	16079	4-15	6		11-3	13		8-3	23
15135	5-13	11		4-25	7		12-11	20		8-4	45
	5-23	11		4-25	10		12-12	23		8-8	51
	5-33	12	16121	3-29	15		13-15	19		8-8	56
	5-45	12	16134	3-13	25		13-15	20		8-11	36
15155	11-23	15		3-29	14		13-19	19		8-15	42
	12-31	15	16150	4-19	39		13-19	20		8-27	30
	13-23	25	16151	3-13	9		13-23	26	16541	13-33	14
	13-29	19	16156	1-45	6		13-23	27		13-35	12
15156	4-11	7	16190	3-29	12		13-29	25		13-37	12
	4-23	20	16448	13-19	23		13-29	26	16634	2-33	13
15158	5-13	10		13-23	30		13-33	8	16682	5-13	32
	5-23	10	16449	13-15	23		13-33	12		5-23	32
	5-33	13	16458	13-29	29		13-33	14		5-37	10
	5-45	13	16481	5-45	18		13-35	9		5-49	10
15180	2-41	6		5-57	3		13-35	13	16694	3-29	11
15222	10-8	34		8-4	38		13-35	14	16706	9-19	6
	10-19	5		8-4	44		13-37	9		9-21	3
	11-8	25		8-4	49		13-37	13	16708	3-39	14
	11-23	5		8-8	38		13-37	14	16863	3-13	29
	12-3	12		8-8	50	16485	5-13	5	16865	3-39	16
	12-9	8		8-8	55		5-13	38	16982	11-3	12
	12-20	29		8-11	16		5-14	44		11-3	12
	12-31	5		8-11	35		5-23	5	16983	5-17	12

NUMERICAL INDEX (Continued)

PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
	5-27	12		5-55	2		9-31	3		5-53	16
	5-37	17	43209	5-13	20		9-35	4		5-55	17
	5-49	17		5-17	16		9-37	4	126764	11-7	19
17353	3-11	11		5-23	20	77443	9-19	5		12-5	12
17407	4-11	8		5-27	16		9-21	8		12-5	12
	4-23	21		5-33	15		9-31	4		12-19	21
17758	8-27	25		5-37	18		9-35	5	126765	10-3	5
18094	9-9	6		5-45	15		9-37	5		10-5	5
	9-13	6		5-49	18	78456	9-3	5		10-19	9
18497	4-23	13	43883	3-11	9	78561	10-8	18		11-4	30
18508	4-29	6	44306	5-33	34	79981	7-15	7		11-7	8
18515	4-23	14		5-45	34	86229	5-13	19		11-23	17
18518	12-31	16	44307	5-17	18		5-23	19		12-3	4
	13-23	24		5-27	18		5-33	11		12-5	5
	13-29	18		5-37	21		5-45	11		12-9	4
18520	11-23	16		5-49	21	89220	3-29	26		12-31	17
	13-29	18	44309	5-13	25	97999	3-13	26		13-15	7
18595	5-13	9		5-23	25	101809	3-21	13		13-19	3
	5-23	9		5-33	32		3-23	26		13-23	3
	5-33	14		5-45	32	104264	10-3	8		13-29	3
	5-45	14	44310	5-13	35		11-4	32	128408	4-25	4
21420	6-5	15		5-23	35		12-3	6	130845	1-45	1
30019	7-11	35		5-37	3	104506	10-3	9		1-47	1
30147	7-11	32		5-49	3		11-4	33		2-49	16
30289	7-11	36	44317	6-11	4		12-3	7		3-13	18
30370	2-5	2	44542	7-11	42		12-5	10		3-13	19
	2-9	4	46629	9-43	7	110178	10-7	6	131358	13-29	24
	2-13	4		11-15	11		10-7	16	131715	12-5	8
34507	3-21	17		12-23	11		12-11	3	131716	12-5	7
	3-23	2	49189	6-3	11	114312	8-4	53	132861	9-5	5
39348	11-16	15		6-13	9		8-8	59	132972	4-69	13
	12-24	15	53162	3-39	17		8-12	41	133696	2-33	46
39365	13-21	17	57664	10-11	3		8-16	47		2-55	28
	13-31	17		12-15	8	115696	3-3	4	134810	4-72	1
39366	13-17	17	58902	11-20	13		3-5	3		4-72	9
	13-25	15		12-27	8	117989	8-4	47		4-75	2
	13-27	17	58903	7-11	20		8-8	53		4-75	7
39678	7-11	8	58943	6-11	5		8-11	23	135657	7-11	9
39713	7-15	5	66333	13-15	10		8-15	28	135658	7-11	15
40667	11-7	19		13-19	6	119236	2-17	7	136681	5-57	17
	12-5	12		13-23	12		2-21	7	136985	5-17	8
	12-5	12		13-29	6		2-25	8		5-27	8
	12-19	22	69029	7-11	40		2-29	8		5-37	8
43207	5-19	22	69392	4-19	38		3-11	20		5-49	8
	5-21	22	77186	8-4	45	124603	5-19	16	141331	3-9	5
	5-29	2		8-8	56		5-21	17	142247	10-7	4
	5-31	2		8-27	30		5-29	17		11-3	6
	5-39	2	77441	9-21	6		5-31	17		12-11	6
	5-41	21		9-35	2		5-39	16	145481	5-17	2
	5-43	2		9-37	2		5-41	16		5-27	2
	5-51	2	77442	9-19	3		5-43	17		5-37	4
	5-53	20		9-21	7		5-51	16		5-49	4

NUMERICAL INDEX (Continued)

PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
146540	13-6	1		8-15	18		4-91	4		5-33	40
148614	4-69	7	170658	1-59	3		4-95	11	220428	3-39	2
	4-71	14		1-61	1	190580	11-16	15	221544	2-33	15
148615	4-69	9	174413	2-37	14		12-24	15	221717	10-19	6
	4-71	15	175861	9-9	8	190887	11-11	2		12-3	10
148789	4-15	2		9-13	8		11-16	16		13-15	5
	4-25	2	175944	4-72	6		12-24	16		13-19	18
148792	4-11	3		4-72	8	191072	10-8	36	221771	1-75	3
	4-15	15		4-75	1		12-3	13	222473	1-45	3
	4-25	14		4-75	4	191076	10-8	36	222491	8-4	49
148795	4-15	15	176454	4-19	22	191081	12-3	13		8-8	55
148798	4-25	12		4-23	31	191085	12-3	13		8-11	16
148800	4-19	25	178794	3-11	17	191941	1-51	4		8-15	37
	4-19	32	181045	4-72	1		1-53	8	222501	8-3	35
152404	12-3	13		4-72	9		1-55	8		8-7	35
153070	4-15	5		4-75	2		1-57	6		8-27	8
	4-15	8		4-75	7	192424	13-15	15	222509	8-4	44
	6-6	37	181046	4-72	4		13-19	11		8-8	50
153715	7-11	2		4-72	7		13-23	17		8-11	35
153716	7-11	4		4-75	3		13-29	11		8-15	41
153717	7-11	3		4-75	6	192425	13-15	14	226430	6-3	1
154065	1-59	20	181089	4-69	18		13-19	10		6-13	13
154066	1-59	20	181266	13-33	15		13-23	16	230315	7-11	41
154067	1-59	20		13-35	15		13-29	10	230421	7-11	1
159971	2-47	28		13-37	16	192429	9-41	9	230882	9-9	3
159977	2-47	14	181298	13-33	15	193554	9-43	1		9-13	3
161003	11-7	12		13-35	15	194607	12-3	13	233683	5-14	47
	12-19	24		13-37	16	197067	9-9	4		5-14	55
161272	10-3	7	181899	3-29	28		9-13	4		5-24	47
	11-4	34	182118	3-21	16	198518	11-11	12		5-34	47
	12-3	9		3-23	32	198675	2-37	13		5-46	47
161273	10-3	6	182342	10-8	36	199524	10-7	10		8-3	23
	11-4	35		12-3	13	199917	9-43	9		8-8	51
	12-3	8	184451	3-21	19	201829	12-15	6		8-11	36
164289	8-3	34		3-23	4	203230	8-23	14		8-15	42
	8-7	34	185860	7-11	11	203689	4-19	32	233693	5-13	5
	8-27	7	187388	11-15	7	204128	9-29	2		5-23	5
164488	2-37	18		12-23	7	204223	4-11	3		5-33	6
164632	11-15	10	188210	5-17	12		4-15	14		5-45	6
	12-23	10		5-27	12		4-19	32		5-57	9
164639	7-11	31		5-37	17		4-25	13	234038	6-5	19
166659	11-11	13		5-49	17		4-95	5	235691	5-14	48
166857	3-11	1	188515	9-19	7	213099	5-13	24		5-24	48
	8-4	43		9-21	4		5-23	24		5-33	8
	8-7	18	188517	9-19	11		5-33	37		5-45	8
	8-11	22		9-21	11		5-45	37	239503	8-3	26
	8-15	18	190380	4-6	5	215211	12-5	9		8-7	28
168718	2-37	23	190383	4-72	6	215301	12-15	4		8-11	25
	3-29	23		4-72	8	215425	10-11	5		8-15	27
	8-4	43		4-75	1		12-15	4	240072	2-43	6
	8-7	18		4-75	4	216590	5-13	37	241079	9-41	5
	8-11	22		4-89	4		5-23	37	244540	8-8	44

NUMERICAL INDEX (Continued)

PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
	8-15	35		8-27	9		5-3	4	292691	1-19	6
246108	2-34	53		8-27	15	292559	2-41	7	293628	7-11	17
	2-37	8		9-45	8	292627	1-19	7	293633	2-57	1
252729	5-14	44		9-45	19	292656	1-75	5	293646	6-6	47
	5-24	44		9-45	20	292661	13-13	3	293648	7-11	49
	5-33	18	266519	9-35	3	292667	4-37	6	293686	7-11	28
	5-46	42	266728	7-11	7	292668	4-9	21	293692	6-5	17
	11-3	13	266733	7-11	6		4-12	41	293696	6-6	60
	11-4	20	268573	2-53	3	292678	4-37	5	293697	5-2	8
	11-4	21	270015	7-15	6	292679	13-6	4		5-3	8
	12-11	20	270077	10-11	6	292680	4-19	34	293699	2-31	3
	13-11	5		12-15	6		5-13	17	293721	2-56	1
254007	4-6	6	270330	9-43	6		5-17	14	293742	5-46	53
257913	11-15	5	280154	9-3	18		5-23	17		5-57	5
	12-23	5		9-3	25		5-27	14	295649	11-11	3
262798	4-6	6		12-12	21		5-33	23	296016	9-3	9
263794	2-53	11	280878	12-3	13		5-37	14	296022	5-17	22
263795	2-53	10	287851	4-45	2		5-45	23		5-27	22
263827	2-50	44		6-5	29		5-49	14		5-37	25
263828	2-49	13	292500	5-13	18		6-5	4		5-49	25
263842	2-47	10		5-17	13		8-19	9	296029	1-5	12
264134	11-11	6		5-23	18		8-21	9	296149	1-53	12
264148	4-9	6		5-27	13	292681	4-11	40		1-55	12
	4-11	17		5-33	22		4-45	3		1-57	12
264159	9-3	20		5-37	15		5-17	21	296152	3-13	8
265731	7-9	1		5-45	22		5-27	21	296378	3-33	18
	7-9	7		5-49	15		5-37	24		3-37	12
	7-9	8	292508	6-5	27		5-49	24		8-23	5
	8-3	33	292509	5-13	2		5-57	16	296380	4-9	19
	8-7	33		5-23	2		6-5	26		4-11	37
	9-45	4		5-33	1	292682	2-33	12		4-19	20
	9-45	5		5-45	1		2-43	14		4-23	10
	9-45	14	292512	11-23	9		5-13	28	296418	2-17	10
	9-45	18		12-31	9		5-23	28		2-21	10
	13-15	19		13-23	9		5-33	27		2-33	19
	13-15	20	292515	2-43	2		5-45	27	296420	2-57	2
	13-19	19	292516	5-13	29	292683	1-75	4		5-4	2
	13-19	20		5-23	29		2-5	8		5-5	2
	13-23	26		5-33	30		5-2	5		7-11	16
	13-23	27		5-45	30		5-3	5	296423	1-75	3
	13-29	25	292517	2-43	15		5-17	26	296426	6-5	18
	13-29	26	292526	5-17	27		5-27	26		6-6	55
	13-33	2		5-27	27		5-37	30	296434	6-3	2
	13-35	9		5-37	29		5-49	30		6-13	14
	13-35	14		5-49	29		6-5	20	296507	13-6	3
	13-37	9		6-5	22		13-15	18	297531	11-15	6
	13-37	14	292528	6-5	21		13-19	14		12-23	6
265787	8-3	30		13-15	17		13-23	20	297532	10-11	10
	8-3	32		13-19	13		13-29	14		10-13	5
	8-7	30		13-23	19	292685	5-2	7		12-15	9
	8-7	32		13-29	13		5-3	7	297640	12-20	27
	8-27	3	292531	5-2	4		7-11	29	297649	11-7	10

NUMERICAL INDEX (Continued)

PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
	12-19	25	313828	11-23	3		6-30	4		2-25	27
300937	7-11	47		12-31	3	325182	1-10	51	345453	2-17	26
302023	2-17	17	316448	1-59	25	325549	3-29	3		2-21	22
	2-21	17	317292	11-23	14	325699	3-39	13		2-25	22
	2-25	17		12-31	14	327591	10-8	35		2-29	19
	2-29	15		13-23	23		10-19	4	345454	2-17	27
302381	1-5	14		13-29	17		12-9	7		2-21	23
302385	6-5	6	319322	11-23	13		13-15	3		2-25	23
	6-6	39		12-31	13		13-19	16		2-29	20
	6-6	53		13-23	21	327807	10-13	6	345455	2-17	25
	6-6	59		13-29	15	327808	10-13	7		2-21	22
302398	4-46	7	319323	11-23	13	329069	1-5	25		2-25	21
	8-3	1		12-31	13		3-37	6		2-29	19
	8-7	1		13-23	22	332057	10-16	15	348149	10-8	36
	8-11	1		13-29	16		11-20	11	348827	12-20	27
	8-15	1	320154	2-17	18		12-27	6	351531	10-13	11
302400	2-33	40		2-21	18	332061	10-7	3		12-15	9
	3-35	4		2-25	18		11-3	4	351532	10-13	9
302428	9-9	9		2-29	16		12-11	7		12-16	12
	9-13	9		4-37	4	334155	9-43	5	352199	7-15	8
302437	3-37	8	320155	13-6	5	334560	5-13	30	352205	7-12	50
302443	3-37	8	320156	1-23	20		5-23	30	352243	9-43	15
302468	3-23	6		3-33	12		5-33	31	352244	9-43	15
302472	11-7	14		3-35	22		5-45	31	352247	9-43	13
	11-20	14	320157	2-33	39	336550	2-17	28	352287	9-43	12
	12-19	17		5-13	3		2-21	24	353000	3-11	6
	12-27	18		5-23	3		2-25	24		3-29	9
302491	1-19	4		5-33	2		2-29	21	353199	3-3	2
303100	5-13	42		5-45	2	337180	12-20	27	353206	1-9	10
	5-23	42	320158	1-9	9	337189	11-8	28	356916	12-3	13
	5-34	44		2-5	23		12-20	27	356917	10-8	36
	5-46	44		2-9	13	337190	12-20	27	357626	11-11	14
303150	2-31	8		2-13	12	338647	10-8	36	360387	2-41	9
	2-43	1		9-5	6		12-3	13		5-4	4
	5-14	45	320161	5-17	25	339735	2-17	29		5-5	4
	5-24	45		5-27	25		2-21	25	362036	3-39	10
	5-34	48		5-37	31		2-25	25	364059	11-16	13
	5-46	48		5-49	31		2-29	22		12-24	13
304523	10-7	2		7-11	48	339897	11-8	28	364868	1-5	4
	11-3	3		9-9	13		12-20	27	366000	3-13	20
	12-11	4		9-13	14	339932	10-8	35	366473	3-13	6
304527	11-7	13	320289	9-19	10		10-19	4	367420	1-70	1
	12-19	20		9-21	10		11-8	27	367421	1-70	1
306113	9-9	12	320327	13-29	22		12-3	14	367422	1-70	1
	9-13	12	320396	12-20	27		12-9	7	367423	1-70	1
307284	6-11	3	322637	6-26	3		12-20	30	369804	2-17	15
309109	9-9	16		6-27	3		13-29	21		2-21	15
	9-11	11		6-28	3	339934	12-3	13		2-25	11
	9-13	17		6-30	3	340204	2-17	20		2-29	11
	9-15	12	322638	6-26	4		2-25	26		9-3	26
310549	11-8	23		6-27	4	341462	9-19	13	369815	2-17	30
	12-19	12		6-28	4	344432	2-17	24		2-21	20

NUMERICAL INDEX (Continued)

PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
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	2-29	13	1302955	2-17	31	1324480	1-61	12		4-61	29
374923	3-9	1		2-21	21	1325120	10-7	5		4-95	7
375571	2-43	10		2-25	20		11-3	5		4-96	25
375575	2-47	24		2-29	14		12-11	5		4-99	4
375587	2-49	26	1304349	11-4	36	1325271	1-59	8		4-99	9
375601	2-47	20	1304971	1-5	29	1327164	4-53	7	1330356	4-55	30
375602	2-47	25	1305165	2-33	14		4-55	32		4-61	29
376026	6-3	9	1307994	4-29	4		4-55	33		4-75	5
	6-13	11	1309775	13-3	2		4-55	37		4-95	7
379405	10-8	17	1309839	2-47	12		4-59	6		4-99	4
	12-11	14	1309993	2-34	58		4-61	30		4-99	9
379407	2-55	7		2-37	19		4-61	31	1330409	1-41	2
	3-3	6		4-9	3		4-61	37	1330414	1-21	9
385670	2-34	59		4-11	15		4-65	2		1-41	3
386015	9-19	14	1310370	11-11	9		4-65	5		4-6	4
386885	11-8	28	1310371	11-11	9		4-67	2	1330416	3-39	4
	12-20	27	1313196	9-43	10	1327647	2-33	37		4-49	6
388302	2-47	9	1316487	2-33	43	1327957	4-69	3		4-49	17
	2-47	19	1316488	2-34	49		4-71	2		4-54	26
388306	2-53	7	1320000	2-49	27		4-96	26		4-55	30
388313	2-47	27	1323576	4-67	5	1329148	4-65	4		4-60	25
389688	1-61	2		4-67	6	1329150	4-53	7	1330419	4-96	24
392620	2-37	4		4-72	3		4-55	37	1330424	4-96	24
615145	11-15	10		4-77	4		4-59	6	1330433	4-49	18
	12-23	10		4-77	7	1329151	4-53	7	1330437	1-21	10
636950	11-15	12		4-77	8		4-53	8		1-41	4
	12-23	12		4-79	4		4-55	37		4-6	4
637161	11-15	9		4-79	7		4-55	38		4-49	7
	12-23	9		4-95	1		4-59	6		4-54	26
637162	11-15	13		4-95	8		4-59	7		4-60	25
	12-23	13		4-95	16		4-61	36		4-82	23
638248	9-43	3	1323578	4-65	1		4-65	4		4-86	17
638249	10-11	7		4-67	1	1329152	4-53	8		4-95	19
	12-15	7		4-95	3		4-55	38	1330438	4-49	10
638250	12-15	7	1323579	4-55	32		4-59	7		4-51	2
638293	11-16	14		4-55	33		4-61	36		4-53	5
	12-24	14		4-55	39		4-65	4		4-53	10
806425	4-95	4		4-55	40	1329271	2-17	8		4-53	17
806426	4-15	4		4-61	30		2-21	8		4-54	25
	4-15	13		4-61	31	1329286	6-3	7		4-54	27
	4-25	6		4-61	37		6-13	5		4-56	41
816591	10-16	6		4-61	38	1330281	4-53	8		4-59	5
	13-33	2		4-65	5		4-55	32		4-59	9
	13-35	2		4-67	3		4-55	33		4-60	24
	13-37	2	1323586	4-69	14		4-55	38		4-60	26
866401	4-95	18		4-71	12		4-55	40		4-62	40
930591	4-99	4		4-72	3		4-59	7		4-77	5
	4-99	9		4-95	8		4-61	30		4-79	5
1301286	13-5	1	1324309	4-81	13		4-61	31		4-81	3
1302024	4-41	14		4-85	8		4-61	36		4-81	6
	4-43	14	1324310	4-81	13		4-61	38		4-81	11

NUMERICAL INDEX (Continued)

PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
	4-81	12	1335497	4-16	8		5-24	52	1377104	2-49	41
	4-81	15	1335499	2-47	16		5-33	26	1377107	2-49	23
	4-82	18	1337197	4-35	7		5-45	26	1377110	2-45	3
	4-82	19	1338222	2-43	9	1360178	2-49	33	1377750	2-33	16
	4-82	24	1338223	2-53	2	1360179	2-47	4	1377792	2-55	15
	4-85	7	1339963	2-49	20	1360182	2-47	5	1377793	2-55	16
	4-85	10	1340470	3-39	12	1360507	10-16	4	1377794	2-55	17
	4-85	13	1344124	3-33	13		12-27	11	1377953	13-33	9
	4-85	14	1345684	7-11	21	1360508	9-45	1		13-35	11
	4-86	18	1345939	1-59	10	1360529	10-8	19		13-37	11
	4-89	1	1346752	9-9	23		12-11	17	1377954	13-33	10
	4-89	8		9-11	14	1361302	11-15	4		13-35	10
	4-89	9		9-13	24		12-23	4		13-37	10
	4-91	1		9-15	15	1362049	1-53	14	1379063	11-11	4
	4-91	10	1347043	2-5	33	1362058	1-53	13		12-16	11
	4-91	11		2-9	3	1363886	4-54	25	1380092	7-15	3
	4-95	18		2-13	2		4-60	24	1380849	5-34	52
	4-96	24	1347045	1-5	11		4-96	24		5-46	55
	4-99	1		1-9	16		4-99	3	1380878	9-43	2
1330439	4-53	18		2-5	34		4-99	8	1380982	11-15	12
	4-54	20		2-9	2		4-99	10		12-23	12
	4-55	34		2-13	3	1371149	3-11	14	1381055	11-11	5
	4-59	16	1350215	13-9	3	1371159	3-11	13	1381056	11-11	5
	4-59	18	1351178	2-5	35		3-29	18	1381061	10-11	9
	4-60	19		2-9	3	1371237	2-51			12-15	10
	4-61	32		2-13	2	1374108	2-49	15	1381062	10-13	10
	4-61	33	1351681	4-96	24	1374288	2-55	6		12-16	10
	4-89	1	1351682	4-81	7	1374289	2-55	11	1381074	11-16	14
1330450	2-47	6	1351689	8-4	41	1374290	2-55	3		12-24	14
1330453	2-53	5		8-8	41	1374293	2-55	14	1381084	11-11	10
1330917	1-59	28		8-11	33	1374297	2-49	2	1381085	9-43	4
1330919	1-59	27		8-15	32	1374298	2-49	8	1381086	11-11	10
1330920	1-59	21	1352140	2-17	5	1374299	2-49	7	1382111	1-53	1
1331341	2-47	26		2-21	5	1374301	2-49	6	1382112	1-53	4
1331990	10-8	33		2-25	5	1374313	2-47	15	1382113	1-53	1
	12-3	11		2-29	5		2-49	25	1382114	1-53	4
1331991	10-8	33	1352603	4-82	23	1374314	2-49	22	1382130	13-3	1
	11-8	26		4-86	17	1374315	2-49	19	1383031	9-43	10
	12-3	11		4-95	19	1374317	2-49	18	1383066	10-11	8
	12-9	6	1354165	1-59	12	1374319	2-53	1		12-15	5
	12-20	28	1354171	1-59	4	1374320	2-53	4	1383067	10-13	8
1333001	1-71	1	1354497	4-19	37	1374323	2-51		1383068	12-15	5
1333002	1-71	1		4-95	13	1374326	2-49	21	1383070	11-15	8
1333003	1-71	1	1354923	1-75	2	1374549	1-61	10		12-23	8
1333004	1-71	1	1356947	1-47	5	1375391	8-4	42	1383257	2-33	44
1333541	2-53	6	1357268	4-25	11		8-8	42		2-49	11
1334293	7-11	26	1358179	7-16	1		8-11	34	1383263	2-49	17
1334423	2-55	5	1358180	6-29	1		8-15	33	1383331	4-5	20
	4-16	4	1358182	6-29	1		8-23	16	1383777	7-11	39
1334999	4-95	22	1358184	6-29	1	1375487	6-5	6	1383904	2-55	10
1335129	1-59	24	1358185	6-29	1	1375676	1-59	9	1385102	1-61	3
1335137	1-61	8	1359458	5-14	52	1377103	2-49	39	1386176	2-49	28

NUMERICAL INDEX (Continued)

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	2-53			13-29	7	1395396	10-5	1	1399913	1-70	1
1386177	2-53	8	1388019	10-7	9	1397716	4-9	9	1399914	1-70	1
1386179	2-49	38		11-3	11		4-11	18	1399915	1-70	1
1386183	2-49	32		12-12	22	1398062	3-33	6	1399916	1-70	1
1386184	2-49	31	1388092	10-19	1	1398099	3-21	28	1399917	1-70	1
1386187	2-55	30	1388094	10-19	1		3-23	20	1399919	1-71	1
1386189	2-55	21	1388829	7-11	10	1399076	12-11	19	1399920	1-71	1
1386190	2-55	22	1388832	7-11	37	1399077	12-11	19	1399921	1-71	1
1386194	2-45	4	1388846	7-11	12	1399078	12-11	19	1399922	1-71	1
1386195	2-45	5	1388847	7-11	13	1399080	12-11	19	1400125	11-23	4
1386197	2-45	7	1388848	7-11	14	1399081	10-8	18		12-31	4
1386198	2-45	8	1389050	2-55	19	1399082	12-11	19		13-23	11
1387285	10-19	3	1389051	2-45	2	1399084	12-11	19	1400126	11-23	8
	13-15	2		2-55	20	1399086	12-11	19		12-31	8
1387286	10-19	3	1389092	2-49	40	1399088	10-8	18		13-23	10
	12-20	28	1389100	2-49	12		12-11	19	1400501	11-11	8
	13-19	15	1389102	2-55	2	1399090	12-11	19	1400507	11-11	8
1387327	12-27	13	1389672	12-5	12	1399092	12-11	19	1400551	11-11	8
1387330	1-75	2	1389673	12-5	12	1399093	10-8	18	1400557	11-11	8
1387341	1-75	1	1389779	12-5	12	1399094	12-11	18	1400801	11-11	8
1387342	1-75	1	1389780	12-5	12	1399095	10-8	28	1400807	11-11	8
1387343	1-75	1	1389828	12-28	23	1399096	12-11	18	1400851	11-11	8
1387345	1-75	1	1389846	10-5	6	1399098	12-11	18	1400857	11-11	8
1387346	1-75	1		12-5	11	1399100	10-8	18	1402189	2-5	12
1387349	1-75	1	1389854	12-28	28		10-8	28		2-9	15
1387447	10-19	1	1389932	10-5	13		12-11	18	1402414	3-23	41
1387448	10-19	1		12-5	18	1399102	12-11	18	1402629	4-9	14
1387457	12-31	1	1389959	10-5	8	1399104	12-11	18		4-11	24
1387459	12-31	1		12-5	14	1399105	10-8	18	1402809	4-71	4
1387479	12-19	7	1390759	2-47	2	1399106	12-11	18	1402813	4-77	10
1387497	12-31	1	1390760	2-47	2	1399107	10-8	28		4-79	9
1387498	12-31	1	1390761	2-47	3	1399108	12-11	18		4-82	19
1387519	11-7	18	1390765	2-47	3	1399110	12-11	18		4-85	14
	12-19	16	1390770	2-47	7	1399112	10-8	28	1402814	4-89	3
1387523	12-27	5	1393127	2-45	6		12-11	18		4-89	5
1387548	11-23	7	1393348	7-11	33	1399119	10-8	28		4-89	6
	12-31	7	1393479	1-35	7	1399124	10-8	28		4-89	7
	13-23	6	1393486	1-29	5	1399204	10-3	3		4-91	3
1387549	11-23	6	1393488	1-29	3		10-5	3		4-91	5
	12-31	6	1393527	1-43	4		11-4	31		4-91	6
	13-23	7	1393528	1-43	3		11-7	9		4-91	7
1387553	12-19	2	1393541	1-29	4		12-3	3		4-91	8
1387740	11-7	19	1393879	1-9	34		12-5	3		4-91	9
	12-19	19	1394001	4-29	3	1399224	10-19	8	1402815	4-53	2
1387743	11-7	19	1394552	7-11	15		11-23	11		4-59	1
	12-19	19	1394554	7-11	15		12-31	11		4-89	2
1387744	10-5	12	1394984	11-23	1		13-15	9		4-91	2
1387745	10-5	12	1394986	11-23	1		13-19	5		4-95	17
1387904	1-75	1	1394992	11-23	1		13-23	5	1402816	4-9	10
1387993	13-15	11	1394993	11-23	1		13-29	5		4-11	28
	13-19	7	1395384	10-5	1	1399243	12-28	25		4-72	5
	13-23	13	1395390	10-5	1	1399802	3-35	2		4-77	2

NUMERICAL INDEX (Continued)

PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
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	4-85	6		2-43	4		13-29	12	1467148	13-17	9
1402868	4-77	4		8-23	10	1465072	10-3	4		13-21	6
	4-79	4	1460738	2-47	11		10-5	4		13-25	9
1402883	4-5	12	1460757	2-49	30		10-19	7		13-27	9
1402888	4-53	8	1460758	2-49	30		11-4	29		13-31	6
	4-55	32	1461744	4-65	5		11-7	7	1467149	13-21	12
	4-55	38		4-67	3		11-23	12		13-31	12
	4-59	7	1462618	6-29	1		12-3	5	1467150	13-21	13
	4-61	30		6-29	1		12-5	6		13-31	13
	4-61	36	1463138	4-77	1		12-9	5	1467151	13-17	1
	4-65	1		4-77	11		12-31	12		13-25	1
	4-65	4		4-79	1		13-15	8		13-27	1
	4-67	1		4-79	10		13-19	4	1467153	13-17	2
	4-95	3		4-95	20		13-23	4		13-25	2
1402912	4-65	5		13-3	4		13-29	4		13-27	2
	4-67	3		13-4	2	1465177	13-15	13	1467154	13-17	3
1402926	4-65	6	1463139	4-53	3		13-19	9		13-25	3
	4-67	7		4-53	15		13-23	15		13-27	3
1402927	4-65	6		4-53	16		13-29	9	1467200	13-17	11
	4-67	7		4-53	17	1465468	4-65	2		13-21	11
1402929	4-65	6		4-54	22		4-67	2		13-27	11
	4-67	7		4-54	23	1465469	4-65	1		13-31	11
1450503	7-3	2		4-54	24		4-67	1	1467201	13-17	10
1450555	2-47	22		4-54	28		4-95	3		13-21	8
1450941	2-53	9		4-54	29	1465489	10-16	3		13-27	10
1451319	2-47	17		4-59	2		11-20	3		13-31	8
1451321	2-49	24		4-59	14		12-27	12	1467202	13-17	12
1453247	2-17	12		4-59	15	1465518	10-3	11		13-25	10
	2-21	12		4-60	20		11-4	37		13-27	12
	2-33	17		4-60	21		12-3	16	1467203	13-17	13
1454827	4-69	16		4-60	22	1465545	1-72	1		13-25	11
	4-71	13		4-60	23	1465546	1-72	1		13-27	13
1454829	4-69	16		4-60	27	1465547	1-72	1	1467204	13-21	1
	4-71	13		4-60	28	1465548	1-72	1		13-31	1
1454862	4-69	16		4-81	1	1465585	10-8	20	1467205	13-21	2
	4-71	13		4-81	17		12-11	16		13-31	2
1454955	2-49	9		4-82	22	1466633	12-6	19	1467206	13-21	7
1454957	2-49	10		4-85	1	1467145	13-17	6		13-31	7
1456112	2-43	8		4-85	12		13-21	3	1467632	13-17	14
1458264	1-71	1		4-85	16		13-25	6		13-25	12
1459173	1-51	5		4-99	7		13-27	6		13-27	14
	1-53	7	1463140	4-92	3		13-31	3	1467633	13-17	15
1460322	2-49	14	1463193	4-37	10	1467146	13-17	7		13-21	15
1460330	2-47	21	1463194	4-81	6		13-21	4		13-25	13
1460331	2-47	23		4-81	11		13-25	7		13-27	15
1460384	2-45	9		4-81	12		13-27	7		13-31	15
1460386	2-47	8		4-85	7		13-31	4	1467634	13-21	14
1460477	1-5	2	1464864	1-75	1	1467147	13-17	8		13-31	14
	1-5	37	1464865	1-75	1		13-21	5	1467769	13-17	5
	2-5	14	1465028	13-15	16		13-25	8	1467770	13-25	5

NUMERICAL INDEX (Continued)

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1467771	13-17	5	1473897	8-27	11		3-35	1		4-85	1
1467772	13-27	5		9-45	5		4-5	7		4-85	12
1467773	13-31	9		13-15	20		4-11	9		4-85	16
1467774	13-21	10		13-19	20		4-19	30		4-86	17
1467775	13-31	9		13-23	27		4-23	5		4-99	1
1467776	13-21	10		13-29	26		5-7	4	1484397	4-81	6
1468316	1-33	7	1473898	9-3	25		5-9	4		4-81	11
1469405	2-5	15	1474318	13-13	2		5-11	1		4-81	12
1469606	4-72	2	1474387	12-12	24		7-9	2		4-85	7
1470152	1-55	1	1474399	10-7	14		9-45	7	1484557	4-99	7
	1-57	1		11-4	24	1480392	13-29	20	1484558	4-99	7
1470153	1-55	1	1474496	12-11	11	1482663	4-75	5	1484709	4-43	10
	1-57	1	1474497	12-11	11		4-95	7		4-99	2
1470155	1-55	17	1474893	4-15	11	1482666	4-75	5	1485449	10-3	10
1470156	1-55	2	1476064	4-55	30	1482667	4-69	4		11-4	38
	1-57	3		4-55	35		4-71	5		12-3	15
1470157	1-55	2		4-60	29	1482668	4-75	5	1486555	5-24	44
	1-57	3		4-69	11		4-95	7		5-45	42
1470161	1-55	6		4-71	9		4-99	4	1486737	8-27	18
	1-57	7	1476067	4-69	21		4-99	9	1486740	8-27	17
1470163	1-55	5		4-71	6	1482701	2-45	4	1486749	5-11	8
	1-57	5		4-96	25	1483023	1-53	5		11-4	20
1471555	2-45	2	1476071	4-69	17	1483331	13-31	9	1486772	9-45	14
1471556	2-49	3		4-71	8	1483333	13-31	9	1487058	8-3	38
1471557	2-45	1	1476077	4-67	5	1483335	13-27	5		8-7	38
	2-55	24		4-95	1	1483336	13-25	5	1487061	8-3	32
1471558	2-49	29	1476108	4-55	30	1483828	1-55	13		8-7	32
1471559	2-55	18		4-61	29		1-57	14		8-27	3
1471560	2-55	25		4-96	25	1484377	4-51	2		9-45	20
1471591	7-16	1		4-99	4		4-53	15	1487063	9-45	8
1471595	6-29	1		4-99	9		4-53	17	1487066	8-3	33
1471598	6-29	1	1476109	4-54	29		4-54	22		8-7	33
1471829	7-16	1		4-60	29		4-54	23	1487067	5-13	44
1471830	6-29	1		4-96	25		4-54	24		5-33	18
1471831	6-29	1	1477166	1-70	4		4-54	27	1487068	5-7	1
1471836	6-29	1		1-72	4		4-54	28		5-9	1
1471838	6-29	1	1477237	1-70	7		4-54	29		10-7	13
1471922	6-29	1		1-72	7		4-59	14		11-3	13
	6-29	1	1477559	10-7	11		4-60	20		12-11	20
	6-29	1		11-4	15		4-60	21	1487096	10-8	26
	6-29	1	1477570	10-16	11		4-60	22		11-4	21
	7-16	1	1477578	10-16	14		4-60	23		12-12	27
1473887	7-9	7	1480187	4-54	20		4-60	26		13-11	5
	9-45	4		4-60	19		4-60	27	1488464	9-45	19
	13-15	19	1480237	1-9	27		4-60	28	1489643	2-45	10
	13-19	19		1-47	3		4-77	1	1489655	3-39	5
	13-29	25		2-5	21		4-77	11		4-49	5
	13-33	12		2-9	19		4-79	1		4-49	16
	13-35	14		2-17	21		4-81	1		4-54	26
	13-37	14		2-25	14		4-81	17		4-60	25
1473888	9-3	18		3-11	18		4-82	22	1489656	4-49	8
	12-11	21		3-29	29		4-82	23		4-53	10

NUMERICAL INDEX (Continued)

PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
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	4-81	3		4-91	6		8-23	3		2-91	
	4-81	15	1493448	4-95	12		13-9	2		4-28	
	4-82	24	1493465	1-21	8	1500913	4-51	2	1501938	4-19	17
	4-85	10		4-6	4		4-54	25	1501948	4-23	12
	4-86	18	1494750	5-13	33		4-54	27	1501994	2-39	1
1489657	4-49	9		5-23	33		4-60	24		2-39	1
	4-53	10		5-37	20		4-60	26	1501997	3-3	16
	4-59	9		5-49	20		4-62	40	1502007	9-3	6
	4-81	3	1494888	1-21	18		4-89	1	1502009	8-27	26
	4-81	15		1-23	8		4-91	1	1502053	4-49	19
	4-82	24	1495279	10-16	15		4-99	1		8-27	4
	4-85	10		11-20	11	1500925	4-82	23		9-45	15
	4-86	18		12-27	6		4-85	17	1502055	4-49	13
1490242	4-53	5	1498476	4-95	22		4-95	19	1502059	3-13	32
	4-56	41	1498483	4-65	5	1501259	1-59	2	1502061	3-5	7
	4-59	5		4-67	3	1501276	5-2	6		3-13	31
	4-77	5	1500744	10-3	2		5-3	6		3-35	8
	4-79	5		10-5	2	1501277	6-3	8		4-9	16
	4-82	19		10-19	2		6-13	12		4-11	20
	4-85	14		11-3	2	1501278	6-3	8		4-19	4
	4-89	8		11-7	2		6-13	12		4-23	9
	4-89	9		11-23	2	1501883	3-33	8	1502066	4-43	12
	4-91	10		12-3	2	1501888	3-6	1		5-7	7
	4-91	11		12-5	2	1501896	4-19	27		5-9	7
	4-99	3		12-9	2	1501899	3-33	11		9-45	13
	4-99	8		12-31	2	1501917	4-19	5	1502079	3-3	8
	4-99	10	1500784	1-70	5	1501919	4-95	7		3-5	10
1490243	4-53	5		1-72	5	1501926	2-56	8	1502543	3-33	3
	4-56	41	1500786	1-71	4	1501927	2-56	3		4-5	2
	4-59	5		1-72	5	1501928	4-19	1		4-9	22
	4-77	5	1500884	2-47	18	1501929	4-19	7		4-11	39
	4-79	5	1500899	4-53	14	1501931	2-56			4-19	35
	4-89	8		4-59	13		2-57			9-3	11
	4-89	9		4-81	16		2-59			13-6	7
	4-91	10		4-85	11		2-60		1502809	9-45	2
	4-91	11	1500900	4-69	20		2-62			12-28	24
	4-99	3	1500901	1-53	9		2-63		1504075	2-31	4
	4-99	8		1-55	9		2-65		1506738	3-6	4
	4-99	10		4-71	3		2-66		1507571	4-65	6
1491220	1-43	2	1500912	1-55	10		2-67			4-67	7
1491466	1-43	5		1-57	10		2-69		1509888	4-53	6
1491494	1-39	5		3-33	7		2-71			4-62	41
1491818	4-96	22		3-39	15		2-73			4-65	7
1493306	9-43	15		4-5	14		2-75			4-67	8
1493428	4-54	27		4-6	2		2-76	1		4-69	12
	4-60	26		4-19	13		2-77			4-71	10
	4-62	40		4-33	5		2-79			4-77	3
1493435	4-89	6		4-49	2		2-81			4-79	3
	4-89	7		8-3	6		2-83			4-85	3
	4-91	8		8-7	6		2-85			4-95	2
	4-91	9		8-11	6		2-87		1509890	4-53	1

NUMERICAL INDEX (Continued)

PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
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	4-77	9		3-25	26		3-27	2	1514602	4-54	19
	4-79	8	1511977	2-62	4		3-31	2		4-55	34
	4-81	5	1511981	2-79	5	1513725	2-85	22		4-59	16
	4-96	23	1511988	2-75	9	1513734	2-66	1		4-59	17
	4-99	6	1512004	3-25	6	1513743	3-25	15		4-61	32
1510113	1-5	27		3-25	10	1513749	2-67	5		4-99	5
	1-17	3		3-27	3		2-79	11	1514603	4-54	19
	2-5	20		3-31	17	1513772	2-71	23		4-55	34
	2-9	18	1512005	3-25	13	1513776	2-71	8		4-59	16
	2-17	4		4-27	8	1513788	2-65	4		4-59	17
	2-21	4	1512014	2-60	1		2-71	9		4-61	32
	2-25	4	1512015	2-60	6	1513791	2-83	23		4-99	5
	2-29	4	1512024	2-60	7	1513792	2-89	1	1514915	2-34	47
	2-34	54	1512025	2-60	3	1513806	2-85	4		2-55	26
	3-3	11	1512026	2-60	4		2-85	11	1514962	2-49	43
	3-5	16	1512027	2-60	2	1513836	2-59	1	1514963	2-49	35
	3-33	2	1512029	2-60	8	1514138	5-57	14	1514964	2-49	36
	6-13	2	1512046	2-79	6	1514267	2-47	19	1514965	2-49	34
	8-3	14	1512048	2-79	14	1514339	2-65	20	1514968	2-47	13
	8-7	7	1512106	2-79	13		2-83	10	1515654	5-17	11
1510115	2-5	3	1512107	2-79	12	1514346	2-67	2		5-27	11
	2-9	8	1512111	2-62	3		2-87	6		5-37	13
	2-13	7		2-69	4	1514429	2-33	1		5-49	13
	4-33	8		2-71	14		2-37	2	1515897	2-65	17
1510116	2-39	8		4-27	5		2-39	4	1515898	2-65	18
1510117	2-5	32	1512112	2-71	19		3-35	21	1516199	8-3	30
	2-9	2	1512118	2-71	16		4-9	12		8-7	30
	2-13	3	1512130	2-71	24		4-11	27		8-27	9
1510126	1-23	10	1512146	2-91	5		4-19	33	1516202	7-9	8
	6-5	3	1512292	2-83	11		4-37	12		13-23	26
	8-3	12	1512295	2-81	9		4-39	6	1516203	7-9	1
	8-7	14	1512304	2-65	15		8-3	10	1516205	5-7	9
	8-11	12	1512305	2-89	11		8-7	12		5-9	10
	8-15	14	1512322	2-89	4		8-11	10	1516331	6-5	34
1510649	2-34	48	1512328	2-60	10		8-15	12	1516332	6-5	34
	2-55	27	1512403	7-3	1	1514483	2-79	14	1516333	6-5	34
1511883	10-19	10	1512417	2-77	2	1514498	3-31	13	1516334	6-5	34
	11-23	10	1512418	2-83	29		3-31	22	1516335	6-5	34
	12-5	4	1512423	2-69	2	1514501	3-31	14	1516536	6-5	30
	12-9	3		3-25	28		3-31	21	1516826	5-17	6
	12-31	10	1512448	2-71	20	1514504	3-31	15		5-27	6
	13-15	6	1512456	2-69	6		3-31	23		5-37	9
	13-19	2	1512460	3-25	27	1514597	4-43	10		5-49	9
	13-23	2	1512503	2-65	10		4-53	18	1516851	5-13	22
	13-29	2		2-83	31		4-55	35		5-23	22
1511952	2-83	34		2-89	12		4-59	18		5-33	35
	2-89	8		4-27	7		4-61	33		5-45	35
1511953	2-62	5	1512584	2-83	36		4-95	18	1516981	3-25	2
	2-77	3	1512585	2-65	3		4-99	2	1517010	2-65	6
	3-27	4	1512586	2-83	16	1514598	4-43	10		3-25	23
1511970	2-71	5	1513712	2-71	6		4-95	18	1517011	2-62	7

NUMERICAL INDEX (Continued)

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1517068	2-71	21		4-55	39	1523739	1-70	8		4-59	10
1517069	2-71	22		4-55	40		1-72	8		4-81	14
1517119	2-65	5		4-61	30	1523741	1-71	5		4-85	9
	2-83	8		4-61	31		1-72	6	1525584	4-81	4
1517190	2-83	12		4-61	37	1523742	1-71	6		4-85	2
1517195	2-83	22		4-61	38		1-72	8		4-95	21
1517198	3-31	14	1521309	4-6	4	1524267	3-37	1	1525677	5-17	6
	3-31	21		4-96	27	1524355	5-37	11		5-27	6
1517210	2-83	25	1521682	2-65	14		5-39			5-37	9
1517256	2-81	7	1521683	2-65	11	1524356	5-33	19		5-49	9
1517257	2-81	6	1521685	2-65	8		5-43		1525686	5-13	23
1517262	2-83	21		2-65	13	1524371	5-33	20		5-23	23
1517361	4-11	1	1521691	2-65	19		5-41			5-33	36
	4-23	3	1521694	2-71	10	1524372	5-13	14		5-45	36
	9-9	15	1521695	2-83	8		5-19		1525696	5-17	20
	9-11	12		2-83	20	1524373	5-13	13		5-27	20
	9-13	16	1521809	6-6	41		5-21			5-37	22
	9-15	13	1521895	2-83	27	1524551	2-71	15		5-49	22
1517394	9-9	17	1521901	2-83	19	1525354	7-11	45	1526082	13-3	3
	9-11	10	1521913	2-83	17	1525442	3-23	27	1527264	4-5	13
	9-13	15	1521914	2-83	18	1525451	3-21	27	1527273	4-65	6
	9-15	11	1521915	2-83	17		3-23	33		4-67	7
1517395	9-9	21	1521916	2-83	17	1525459	3-21	12	1527275	4-69	19
	9-11	9	1521919	2-83	15		3-23	29		4-71	4
	9-13	22	1521937	2-85	10	1525478	3-23	39	1527305	4-65	6
	9-15	10	1521938	2-79	7	1525563	4-54	25		4-67	7
1517405	3-21	31		2-89	6		4-60	24	1527395	1-21	17
	3-23	11	1521939	2-85	3	1525564	4-89	1	1527813	8-4	38
1517437	3-23	1	1521943	2-85	16		4-89	1		8-7	38
1517656	1-9	21	1521944	2-85	9		4-91	1		8-27	20
1519025	4-69	10	1521971	2-89	10	1525565	4-51	2	1527876	1-5	22
	4-71	16	1521973	2-89	2	1525566	4-99	1		2-34	57
1519611	4-67	6	1521989	4-53	15	1525567	4-53	15		2-39	11
1520513	4-69	19		4-55	32		4-54	24		3-15	5
1520543	4-69	16		4-55	33		4-54	29		4-9	11
	4-71	13		4-55	39		4-59	14		4-11	26
1520660	5-57	10		4-56	40		4-60	23		4-19	11
1520752	6-6	38		4-61	30		4-60	28		4-23	25
1520753	6-6	38		4-61	31		4-81	17		8-4	48
1520754	6-6	38		4-61	37		4-85	12		8-8	54
1520755	6-6	38		4-61	38	1525568	4-54	23		8-11	38
1521005	3-37	2	1522424	8-27	20		4-60	22		8-16	44
1521183	4-55	33	1522425	8-27	15		4-81	1	1527877	2-33	2
	4-61	31	1522426	9-45	18		4-85	1		2-39	5
1521184	4-55	32	1523732	1-70	3	1525569	4-60	21		3-33	20
	4-61	30		1-71	3		4-60	27		3-35	15
1521185	4-55	40		1-72	3	1525570	4-54	22		13-9	4
	4-61	38	1523734	1-70	2		4-60	20	1527878	1-5	38
1521186	4-55	39		1-71	2		4-82	22	1527879	1-47	6
	4-61	37		1-72	2		4-85	16		2-17	23
1521188	4-55	32	1523737	1-70	6	1525573	4-81	2		2-25	15

NUMERICAL INDEX (Continued)

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	3-3	13	1528133	4-30	4		4-19	3		6-13	8
	3-5	13	1528314	3-11	27	1529366	2-33	35		8-3	15
	3-11	3		3-29	4		3-11	25		8-8	43
	3-35	12	1528315	4-30	2		3-13	2		8-11	15
	3-37	4	1528327	9-11	4		3-29	6		8-15	34
	4-5	4	1528328	9-9	14		4-5	18	1530311	3-37	5
	4-9	2		9-15	4		4-9	18	1530588	6-5	32
	4-11	13	1528329	9-13	13		4-11	36	1530722	5-46	52
	4-19	8	1528339	9-9	5		4-19	19		5-57	4
	4-23	19		9-13	5		4-23	11	1530960	4-37	10
	4-35	9	1528482	2-33	28		4-33	4		4-77	11
	4-49	14	1528580	11-20	18		4-33	11		4-79	10
	5-7	3		12-27	19		8-3	9		4-92	3
	5-9	3	1528608	3-11	28		8-7	11		4-95	20
	5-11	2		3-29	7		8-11	9	1530961	4-37	10
	5-34	53	1528630	4-30	5		8-15	11		4-77	11
	5-46	56	1528631	4-30	6		8-23	7		4-79	10
	7-9	6	1528778	1-5	7	1529428	1-10	55		4-92	3
	8-3	11	1528888	1-21	12	1529787	2-17	1		4-95	20
	8-7	13		1-23	18		2-21	1	1530971	3-37	3
	8-11	11	1528889	1-5	32		2-25	1	1531001	1-9	15
	8-15	13	1528893	3-11	16		2-29	1		1-10	61
	9-3	17		3-29	20	1529874	5-13	8		4-43	17
	9-9	2	1528899	3-21	15		5-23	8		13-3	11
	9-11	2		3-23	31		5-33	10	1531162	4-89	3
	9-13	2	1528903	3-21	21		5-45	10		4-89	5
	9-15	2		3-23	37	1529890	5-27	17		4-91	3
	9-45	22	1528930	2-5	5		5-37	19		4-91	7
1527880	3-29	27		2-9	10		5-49	19	1531312	3-39	6
	3-33	9		2-13	9	1529897	5-33		1531404	2-17	33
	3-35	6	1528938	2-5	4		5-37			2-21	33
	4-19	18		2-9	9	1530010	8-23	17		2-25	33
	4-19	24		2-13	8	1530019	1-9	19		2-29	24
	4-23	2	1529016	10-16	5	1530037	4-54	22	1531486	4-99	4
	5-7	10		11-20	16		4-54	23		4-99	9
	5-9	11		11-20	19		4-54	24	1531490	4-55	36
	8-4	40		13-33	1		4-60	20		4-61	35
	8-8	40		13-35	1		4-60	21	1531501	4-53	17
	8-11	32		13-37	1		4-60	22	1531502	4-69	2
	8-15	31	1529046	4-53	15		4-60	23		4-71	1
	8-23	15		4-54	28	1530135	1-9	50	1531557	1-21	13
1527881	3-11	5		4-59	14	1530221	1-5	36	1531558	1-9	1
	3-13	4		4-60	27	1530243	1-5	31		1-21	3
	3-29	8		4-60	28		1-9	40		3-6	5
1527883	3-29	22		4-81	1		1-17	4		3-35	16
	4-19	12		4-81	17		2-17	2		4-11	32
	6-13	6		4-82	22		2-21	2		4-23	27
	8-23	12		4-85	1		2-25	2		4-41	8
1527885	2-33	26		4-85	12		2-29	2		4-41	17
1527888	1-23	11		4-85	16		3-3	12	1531563	7-3	3
1527983	9-3	13	1529257	4-9	17		3-5	15	1531567	8-3	2

NUMERICAL INDEX (Continued)

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	8-11	2	1534677	3-21	6	1538488	3-37	1	1542144	6-5	25
	8-15	2		3-23	21	1539198	2-33		1542146	6-3	5
1531973	4-53	16	1534679	3-21	30		2-37		1542147	6-3	4
	4-54	28		3-23	25		2-39		1542157	6-6	43
	4-59	15	1534828	4-55	31		2-45		1542160	6-5	14
1531974	4-53	16		4-61	34		2-47		1542161	6-5	16
	4-59	15		4-81	9		2-49		1542169	6-5	28
1531975	4-33	3		4-85	5		2-53		1542436	3-13	12
1532255	4-29	5	1534871	8-3	27		2-55			5-7	8
1532571	4-81	4		8-8	48	1539273	2-34	50		5-9	8
	4-85	2		8-11	26	1539274	2-33	45	1542439	3-13	13
	4-95	21		8-15	39	1539584	4-43	20		4-49	12
	4-96	26	1535166	4-49	1		13-3	8	1542440	3-35	9
1532585	2-5	11	1535257	2-17	19	1540643	1-9	5		4-11	30
	2-9	11		2-21	19		3-15	2		4-23	17
	2-13	11		2-25	19		3-17	1	1542546	9-9	10
1532638	13-21	9		2-29	17	1540805	4-5	1		9-13	10
	13-31	10	1536304	4-11	3	1540852	7-11	44	1542772	3-33	1
1532639	13-21	9		4-15	14	1540854	7-11	5	1542773	3-33	14
	13-31	10		4-25	15	1540856	7-11	43	1543060	7-16	1
1532640	13-17	4	1536813	1-21	14	1540944	4-69	1	1543094	5-19	14
	13-25	4		1-23	13		4-71	20		5-21	14
1532643	13-17	4	1537422	4-29	7	1541231	4-19	10	1543096	5-19	14
	13-27	4	1537449	5-19	14		5-13	15		5-21	14
1532664	4-81	18		5-21	14		5-23	15	1543097	5-19	14
	4-85	13		5-29	14		5-33	24		5-21	14
1532759	4-41	19		5-31	14		5-45	24	1543098	5-19	14
1532775	4-41	20		5-39	14	1541232	5-13	16		5-21	14
	4-95	14		5-41	14		5-23	16	1543102	5-19	24
1532779	4-69	22		5-43	14		5-33	21		5-21	24
	4-71	18		5-51	14		5-45	21		5-39	25
1532904	4-37	10		5-53	14	1541242	11-20	7		5-41	25
1534017	2-33	33		5-55	14		12-27	17		5-43	25
1534282	4-53	12	1537450	5-19	15	1541243	11-20	22	1543254	7-11	46
	4-59	11		5-21	16		12-28	29	1543316	2-87	10
	4-82	21		5-29	16	1541556	5-17	5	1543317	2-87	7
	4-85	15		5-31	16		5-27	5	1543318	2-87	9
1534329	4-95	9		5-39	15		5-37	5	1543337	3-27	12
1534417	1-5	28		5-41	15		5-49	5	1543356	3-25	20
	2-34	51		5-43	16	1541640	11-15	3	1543359	3-25	5
	2-37	11		5-51	15		12-23	3		3-25	17
	2-37	27		5-53	15	1541921	5-4	3	1543445	2-91	11
	3-33	10		5-55	16		5-5	3	1543553	4-69	16
	4-5	11	1537455	5-41	2	1541991	4-53	3		4-71	13
1534660	1-61	9	1537459	5-31	19		4-59	2	1543691	4-19	2
1534671	3-21	23		5-51	20	1541992	4-53	3	1543698	4-11	29
1534672	3-21	22	1537551	1-53	11		4-59	2		4-23	24
	3-23	36		1-55	11	1542102	6-5	24		8-3	16
1534674	3-21	32		1-57	11	1542103	6-5	24		8-8	47
	3-23	17		4-41	9	1542104	6-5	35		8-27	5
1534675	3-21	29		4-43	9	1542105	6-5	35	1543842	1-45	4

NUMERICAL INDEX (Continued)

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	8-3	17	1547343	6-26	1	1550385	11-4	28	1553269	2-43	12
	8-8	46		6-27	1	1550386	10-8	24	1553270	5-13	43
1543933	2-37	26	1547346	6-28	1	1550387	11-4	25		5-23	43
1544153	1-15	4	1547348	6-26	1		11-4	28		5-34	45
1544157	7-9	3		6-27	1	1550425	11-20	17		5-46	45
	9-45	21	1547349	6-26	1		12-27	20	1553403	5-14	53
1544212	2-33	9		6-27	1	1550495	4-37	10		5-24	53
1544216	5-17	4	1547351	6-28	1	1550561	5-57	12		5-34	51
	5-27	4	1547352	6-28	1	1550566	5-17	1		5-46	51
	5-37	6	1547447	5-13	7	1550567	5-17	15	1553475	5-14	46
	5-49	6		5-23	7		5-27	15		5-24	46
1544217	5-17	3		5-33	9		5-37	16		5-34	46
	5-27	3		5-45	9		5-49	16		5-46	46
	5-37	2	1547483	4-69	6	1550571	5-17	9	1553541	3-11	19
	5-49	2		4-71	7		5-27	9	1553781	2-71	1
1544218	5-13	34	1547849	8-3	4		5-33	16	1553897	3-33	19
	5-23	34		8-7	4		5-45	16		4-46	8
	5-37	7		8-11	4	1550572	5-17	10		8-3	3
	5-49	7		8-15	4		5-27	10		8-7	3
1544255	4-30	7		8-23	2		5-33	17		8-11	3
1544413	1-9	26	1548517	4-51	3		5-45	17		8-15	3
1544415	1-9	29		4-77	6	1550573	5-13	27		8-23	6
1544566	7-3	5		4-79	6		5-23	27	1553952	2-85	1
	7-5			4-81	8		5-37	12	1553956	2-85	6
1544729	4-19	37		4-85	4		5-49	12		2-85	13
1544730	4-19	37	1548519	4-51	3	1550576	5-13	12	1553964	2-45	1
1544731	4-95	10		4-77	6		5-23	12		2-55	24
1544733	4-95	10		4-79	6	1550581	5-33	29	1553965	2-81	8
1544759	5-57	13		4-81	8		5-45	29	1554085	5-5	1
1545202	4-54	21		4-85	4	1550582	5-33	28	1554086	5-5	1
	4-61	39	1549449	9-3	15		5-45	28	1554087	5-4	1
1545455	6-3	3	1550157	10-8	25	1550586	5-17	17	1554359	4-53	17
	6-5			12-11	2	1550646	4-37	7		4-54	19
1545456	6-3	3	1550158	10-8	25	1550647	4-37	3		4-54	21
	6-5			12-11	2	1551663	2-25	7		4-55	34
1545457	6-3	3	1550193	11-7	6		2-29	7		4-55	39
	6-5			11-16	17	1551665	3-11	12		4-59	16
1545460	6-5	24	1550194	11-7	6	1551839	7-3	3		4-59	17
1545462	6-5	35		11-16	17	1552107	4-37	9		4-61	32
1545484	6-6	46	1550195	12-11	2	1552141	2-37	3		4-61	39
1545546	5-45	18		12-19	10		2-55	3		4-99	5
	5-57	3		12-24	17	1552525	5-19	6	1554814	2-33	36
1546285	2-37	25	1550196	12-11	2		5-21	6	1554815	4-29	2
1546673	4-77	7		12-19	10	1552716	2-63	2	1554902	4-33	12
	4-79	7		12-24	17		2-83	33		4-35	10
	4-95	16	1550197	10-7	15	1552840	2-37	17	1555731	4-39	1
1546689	1-57	16		11-3	12	1552849	5-33			4-39	3
1546697	4-54	21		12-12	25		5-37		1556475	8-3	25
	4-61	39	1550198	10-7	15	1552853	5-17	19		8-7	10
1547341	6-28	1		11-3	12		5-27	19		8-11	24
1547342	6-26	1		12-12	25	1553261	2-91	9		8-15	10

NUMERICAL INDEX (Continued)

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1556795	6-5	10		4-75	3	1563225	1-53	2		4-85	13
1556799	6-11	7		4-75	6	1563227	1-53	6	1566117	4-82	20
1556800	6-11	1	1561146	4-65	3	1563351	1-51	1		4-85	13
1557546	4-9	4	1561559	13-3	4	1563369	1-5	21	1566146	4-15	12
	4-11	21		13-4	2		1-5	21		4-25	13
1557547	3-15	1	1561755	13-3	4	1564035	2-33	8		4-69	8
	3-17	3		13-4	2	1564036	2-37	22		4-71	14
1557551	3-15	4	1561759	4-11	35	1564044	4-15	3	1566169	5-17	7
	3-17	2		4-23	18		4-25	5		5-27	7
1557560	3-15	9		4-49	11	1564263	1-5	24		5-37	26
1557565	3-15	15	1561871	4-9	8	1564392	3-11	26		5-49	26
1557566	3-15	3		4-11	22		3-29	5	1566329	5-2	2
1557651	7-15	4		4-23	7	1564515	9-3	23		5-3	2
1557662	7-15	1	1562088	4-11	34	1564526	3-39	9	1566453	1-55	4
1557709	5-13			4-23	30		8-3	7		1-57	2
	5-17			4-46	5		8-7	8	1566457	5-34	55
1557711	5-13		1562310	5-57	15		8-11	7	1566458	4-16	1
	5-17		1562353	1-59	26		8-15	8	1566459	4-16	2
1557737	2-31	5	1562489	7-5	8		8-23	4	1566505	2-17	11
1558156	4-77	8	1562492	7-5	11	1564670	2-51			2-21	11
1558219	1-21	16	1562493	7-5	13		2-55	9		2-33	20
1558226	4-69	23	1562496	7-5	16	1564747	9-9	11	1566528	2-5	24
	4-71	19	1562501	7-5	21		9-11	5		2-9	22
1558228	4-95	15	1562505	7-5	25		9-13	11	1566654	2-37	9
1558515	5-17	24	1562509	7-5	1		9-15	5		4-19	15
	5-27	24	1562648	1-47	4	1564752	3-37	10	1566726	1-21	7
	5-37	28		5-7	6	1564992	2-79	17	1566792	9-41	13
	5-49	28		5-9	6	1565007	2-73	8	1566853	1-21	11
1558771	4-41	10		5-11	4	1565076	4-41	13		2-31	11
1558807	2-47	11	1562649	4-89	3		4-43	13		2-56	7
1559567	2-55	13		4-89	5		13-3	5	1566890	9-3	21
1559695	2-55	4		4-89	6	1565125	4-41	3	1566951	1-59	7
	4-16			4-89	7		4-43	3	1567328	1-10	55
1559922	4-16	3		4-91	3	1565127	5-7	2	1567329	1-9	45
1559923	4-16	5		4-91	5		5-9	2	1567693	9-3	1
1559924	4-16	6		4-91	6	1565135	5-13	21		9-5	
1559925	4-16	7		4-91	7		5-23	21	1567821	1-5	13
1559928	4-5	9		4-91	8		5-33	25	1568039	7-11	24
1560091	4-19	25		4-91	9		5-45	25	1568075	8-3	22
1560193	2-34	55	1563207	1-55	4	1565195	2-31	10		8-11	21
1560200	2-33	30		1-57	2	1565201	3-6	2	1568076	8-7	24
1560255	2-34	52	1563208	1-55	4	1565324	6-9	10		8-15	23
1560447	4-43	7		1-57	15	1565325	6-9	4	1568077	8-8	45
1560448	4-43	8	1563210	1-55	15	1565327	6-9	2		8-15	36
1560671	1-21	2	1563211	1-55	16	1565382	4-11	31	1568079	7-11	23
1560681	9-19	15		1-57	13		4-23	26	1568253	8-8	49
	9-21	13	1563215	1-51	1	1565407	4-19	26	1568256	8-7	25
1560692	4-53	13		1-53	15	1565453	2-31	7		8-15	24
	4-59	12	1563216	1-51	2	1565832	2-43	5	1568271	7-11	19
1561015	1-5	16	1563217	1-51	2	1565962	1-9	30	1568272	7-11	22
1561117	4-72	4	1563222	1-51	1	1565964	1-10	52	1568749	3-13	17

NUMERICAL INDEX (Continued)

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1568853	3-21	20	1573598	1-10	59		4-23	1	1578911	9-29	6
	3-23	5	1573599	12-9	1	1578704	9-25	5	1578912	9-31	13
1568998	3-11	8	1573601	12-9	1		9-27	6		9-35	11
1569277	13-5	2	1573602	12-9	1		9-39	1		9-37	11
1569278	13-5	2	1573604	12-9	1	1578707	9-17	3	1578922	8-15	40
1569463	6-3	8	1573606	12-9	1		9-22	4	1578926	2-5	1
	6-13	12	1573675	8-4	39		9-39	2		2-9	6
	6-17	17		8-8	39	1578710	9-33	3	1578940	9-19	1
1569465	1-45	5		8-24		1578711	9-31	13	1578943	9-19	4
1569527	8-11	31	1573711	2-17	22		9-35	11	1579136	2-39	9
	8-15	30		2-25	13		9-37	10	1579660	3-3	3
	8-24		1573779	11-3	1	1578712	9-22	3	1579677	3-11	24
1569540	2-33	31	1573785	11-3	1		9-29	2		3-29	1
1569602	9-29	9	1573809	11-7	1	1578713	9-19	2	1579832	3-13	5
1569616	8-27	2	1573815	11-7	1		9-21	6	1579847	4-37	13
1569768	5-34	54	1573903	1-19	1		9-31	2	1579908	7-7	38
	5-46	54	1573904	1-19	1		9-35	2	1580027	2-5	18
1569912	6-6	38	1573905	1-19	1		9-37	2	1580028	2-5	16
1569913	6-6	38	1573906	1-19	1	1578714	9-29	12	1580029	2-5	29
1569914	6-6	38	1573911	1-19	1	1578715	9-25	9		2-9	23
1569915	6-6	38	1574162	12-5	1		9-39	4	1580092	2-5	28
1569979	11-20	4	1574164	12-5	1	1578718	9-35	3		2-9	27
1569995	4-92	2	1574165	12-5	1	1578746	9-17	7	1580097	9-17	2
1570264	9-3	4	1574167	12-5	1		9-22	1		9-19	24
1570298	8-3	29	1574169	12-5	1	1578747	9-17	2	1580099	9-31	11
	8-11	29	1574286	2-17	32		9-19	18	1580131	9-17	3
1570300	8-7	26		2-21	27	1578815	9-17	4		9-22	10
	8-15	25		2-25	28		9-19			9-39	3
1570303	9-41	8		2-29	23	1578873	2-5	7	1580132	9-29	14
1570360	5-13	4	1574301	1-23	6	1578875	9-29	7	1580133	9-19	8
	5-23	4	1578453	9-11	1	1578876	9-29	11	1580136	2-5	27
	5-33	4	1578454	9-9	1	1578878	9-31	12		2-9	26
	5-45	4		9-15	1		9-35	10	1580146	9-17	9
1570441	3-11	7	1578517	2-51			9-37	9	1580147	9-21	5
1570597	2-39	6	1578518	2-51		1578882	9-31	7	1580148	9-17	10
1570664	2-33	3	1578519	2-51			9-35	8	1580151	9-27	10
1571610	1-19	5	1578520	2-51			9-37	7		9-39	4
1571662	3-29	17	1578521	2-51		1578883	9-31	8	1580155	9-22	2
1571673	5-29	22	1578522	2-51			9-35	9	1580156	9-22	2
	5-31	22	1578545	9-41	13		9-37	8	1580759	9-31	10
1573127	10-3	1	1578570	1-13	1	1578886	9-35	3	1580760	9-31	9
1573133	10-3	1	1578571	1-13	1	1578887	9-31	14	1581024	2-17	31
1573139	10-3	1	1578572	1-13	1	1578888	9-29	8		2-21	21
1573177	11-7	21	1578573	1-13	1	1578889	9-31	6		2-25	20
	12-19	13	1578574	1-13	2		9-35	6		2-29	14
1573520	12-3	1	1578575	1-13	2		9-37	6	1581055	1-65	1
1573522	12-3	1	1578576	1-13	2	1578904	9-29	5	1581068	2-5	25
1573523	12-3	1	1578577	1-13	2	1578905	9-31	5		2-9	5
1573525	12-3	1	1578617	2-33	23	1578906	9-35	7	1581072	2-5	25
1573527	12-3	1	1578619	2-33	25	1578907	9-37	3		2-9	5

NUMERICAL INDEX (Continued)

PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
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1581098	5-19	8		5-55	18		12-27	4		9-41	2
	5-21	8	1581108	5-19	7	1581566	10-7	8	1581858	7-7	37
	5-29	8		5-21	7		11-3	14	1581859	9-19	17
	5-31	8		5-29	7		11-7	3		9-21	12
	5-39	8		5-31	7		12-12	29	1581861	9-19	12
	5-41	8		5-39	7	1581567	12-28	27	1581862	9-29	3
	5-43	8		5-41	7	1581577	10-16	10	1581887	3-23	7
	5-51	8		5-43	7		12-27	3	1581888	3-23	8
	5-53	8		5-51	7	1581578	10-16	7	1581896	10-8	30
	5-55	8		5-53	7		12-19	9		11-8	24
1581099	5-19	9		5-55	7	1581579	3-21	26		12-9	9
	5-21	9	1581114	5-21	3		3-23	34		12-19	26
	5-29	9	1581115	5-21	21		12-27	16	1581898	3-21	11
	5-31	9	1581116	5-19	2	1581582	11-7	5		3-23	22
	5-39	9		5-21	2		11-20	27	1581899	3-21	33
	5-41	9	1581117	5-19	18	1581583	3-21	10		3-23	18
	5-43	9		5-21	19		3-23	24	1581973	6-3	10
	5-51	9	1581187	1-19	3		10-7	12	1582063	2-13	17
	5-53	9	1581193	8-8	49		10-8	37	1582068	2-13	5
	5-55	9	1581302	3-13	7		11-4	16	1582072	1-9	25
1581100	5-19	10	1581400	3-13	34		12-11	10	1582141	13-6	2
	5-21	10	1581438	3-3	7	1581585	10-8	23	1582161	9-3	7
	5-29	10		3-5	9		11-4	17	1582218	4-72	6
	5-31	10	1581556	11-20	26	1581586	10-8	22		4-72	8
	5-39	10		12-27	14		11-4	23		4-75	1
	5-41	10	1581557	3-23	43		12-28	26		4-75	4
	5-43	10	1581558	10-8	31	1581587	12-28	21	1582222	2-5	9
	5-51	10		11-4	18	1581588	10-8	32		2-9	14
	5-53	10		12-11	9		11-4	27		2-9	21
	5-55	10		12-11	12		12-11	13		2-13	13
1581104	5-19	3		12-12	30	1581589	11-7	17	1582300	3-37	14
1581105	5-39	18	1581559	3-21	14		12-19	18	1582301	3-37	13
	5-41	18		3-23	30	1581590	10-5	11	1582333	2-5	22
	5-43	19		10-5	9	1581591	12-5	17		2-9	20
	5-53	18		11-7	15	1581592	12-19	5	1582337	4-6	1
1581106	5-19	21		12-5	16	1581594	10-16	12	1582370	1-5	10
	5-21	20		12-19	4	1581670	4-41	6	1582464	4-5	15
	5-29	20	1581560	11-20	12		4-43	6		4-6	3
	5-39	21		12-27	7		13-3	1		4-19	14
	5-41	22	1581561	6-13	10	1581733	3-21	2		4-33	6
	5-43	20	1581562	11-20	28		3-23	12		4-49	3
	5-53	21		12-27	15	1581739	3-21	7		13-9	1
	5-55	19	1581563	12-28	22		3-23	9	1582465	4-33	7
1581107	5-19	17	1581564	9-41	3	1581740	3-21	8	1582474	3-21	24
	5-21	18		10-5	10		3-23	19	1582511	8-27	13
	5-29	18		10-16	13	1581741	11-20	2	1582584	8-27	10
	5-31	18		11-7	16		12-27	10	1582605	4-43	11
	5-39	17		12-5	15	1581761	3-19	7	1583551	3-29	10
	5-41	17		12-19	3	1581762	3-19	1	1583581	1-9	48
	5-43	18		12-19	14	1581763	3-19	2	1583582	1-9	38
	5-51	17	1581565	10-16	8	1581764	3-19	3	1583583	1-9	46

NUMERICAL INDEX (Continued)

PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
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1583602	2-34	55	1585592	1-5	15	1587536	2-17	3	1593426	1-55	
1583609	1-59	6	1585747	3-19	6		2-21	3	1593433	1-51	
1583611	1-9	20	1585748	3-19	5		2-25	3	1593434	1-51	
	1-17	2	1585750	5-33	33		2-29	3	1593435	1-53	
	1-21	15		5-45	33	1587778	4-53	9	1593436	1-53	
	1-23	14	1585751	3-19	4		4-59	3	1593437	1-57	
	8-11	14	1585835	3-21	9	1587872	1-9	6	1593438	1-57	
	8-15	7		3-23	23	1588247	1-9	8	1593913	2-39	7
	9-9	7	1586013	2-43	7	1588584	2-13	6	1593914	2-39	10
	9-11	3		3-13	24	1588766	1-9	44	1593942	1-5	49
	9-13	7	1586020	9-33	7	1588828	4-28	2	1593943	1-5	50
	9-15	3	1586022	3-23	42	1589223	1-9	6	1593951	1-6	51
	13-5	3	1586109	7-3	4	1589377	1-61	4	1594314	6-3	6
	13-6	6	1586279	9-29	15	1589397	1-61	5		6-13	4
1583743	2-57	4		9-33	14	1589437	1-61	7	1594804	1-59	17
1583769	2-33	22	1586280	9-29	10	1589787	1-23	17	1594805	1-59	17
	2-41		1586427	7-15	10	1590033	8-3	37	1594806	1-59	17
1584083	3-21	25	1586428	4-41	16		8-7	37	1594950	8-3	20
	3-23	38		4-43	16		8-11	30		8-7	16
1584086	3-13	23		13-3	6		8-15	29		8-11	19
	3-21		1586430	1-5	20	1590154	4-15	10		8-15	16
1584087	3-13	23		4-46	2	1590173	4-15	9	1595234	4-46	4
	3-23			13-5	4	1590201	2-37	7	1595425	5-19	25
1584091	3-23	10	1586432	1-13	4	1590332	1-9	12		5-21	25
1584129	1-9	22	1586439	1-59	18	1590370	1-5	33		5-29	23
1584130	1-9	22	1586440	1-59	19	1590397	2-31	1		5-31	23
1584135	1-9	43	1586495	1-9	3	1590399	2-31	1		5-39	26
1584142	1-5	23		1-21	4	1590488	1-5	34		5-41	26
1584143	4-5	5		4-41	7	1590839	5-57	8		5-43	26
1584171	3-29	13		4-41	18	1590865	5-57	7		5-51	26
1584631	1-55	5		4-43	18	1590866	5-57	6		5-53	26
1584654	1-5	35		13-3	10	1591185	4-39	1		5-55	26
1584817	2-91	11	1586627	1-9	31		4-39	3	1595426	5-19	23
1584818	2-91	11		8-3	5	1591651	1-55	7		5-21	23
1584819	2-91	11		8-7	5	1591652	1-51	6		5-39	24
1584820	2-91	11		8-11	5		1-53	10		5-41	24
1584914	2-83	26		8-15	5		1-55	7		5-43	25
1584923	2-83	18		9-3	2		1-57	8	1595427	5-19	20
1584932	2-85			9-9	22	1591666	2-31	9		5-21	21
1584933	2-85	21		9-11	13	1591677	2-33		1595428	5-39	20
1584992	2-87	9		9-13	23		2-37			5-51	19
1584995	2-87	9		9-15	14		2-39		1595731	4-46	3
1585000	2-87	9		9-45	12		2-45		1595782	1-10	53
1585002	2-87	9	1586629	1-17	5		2-47		1595808	6-5	2
1585183	2-49	37	1586759	4-41	15		2-49		1596173	8-8	39
1585284	2-65	16		4-43	15		2-53		1596179	8-24	10
1585575	8-3	18		13-3	9		2-55		1596180	8-24	11
	8-7	22	1586762	1-9	39	1592287	3-13	14	1596624	1-49	12
	8-11	18	1587535	2-17	3	1593331	4-5	16	1596625	1-49	19
	8-15	21		2-21	3	1593334	3-35	11	1596646	3-25	14
1585581	1-5	26		2-25	3	1593341	13-13	3	1597052	1-49	20

NUMERICAL INDEX (Continued)

PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
1597058	1-49	11	1603959	1-9	11		5-46	49	1616422	3-33	5
1597381	9-41	1	1605068	2-56	6	1613433	1-13	5		4-19	36
1597410	1-9	36	1605069	2-56	2	1613434	1-13	6	1616425	3-33	4
1597412	1-9	42	1605470	1-5	8	1613470	5-57	11	1616482	1-49	7
1597451	4-46	6	1605479	9-45	10	1613608	6-6	49	1616483	1-49	24
1597456	11-8	22	1605990	8-23	11	1613609	6-6	49	1616484	1-49	8
	12-19	15	1606008	1-5	30	1613695	5-13	1	1616485	1-49	1
1597705	2-55	1	1606531	6-9	9		5-23	1	1616590	1-49	18
1597807	2-67	6	1606544	4-51	4		5-33	3	1616591	1-49	17
	2-89	5	1606659	1-5	19		5-45	3	1616592	1-49	16
1597837	1-9	33	1606735	4-51	6		5-57		1616593	1-49	13
1597838	1-9	49	1606750	7-3	7	1613743	1-23	16	1616594	1-49	14
1597842	2-31	2	1606891	7-3	5	1613749	3-21	3	1616595	1-49	15
1597854	2-56	4		7-5			3-23	13	1616596	1-49	17
1598221	4-39	5	1607743	4-69	15	1613755	3-21	5	1616597	1-49	15
1598222	4-39	2		4-71	11		3-23	14	1616598	1-49	14
1598223	4-39	5	1607839	4-69	5	1613763	3-21	4	1616599	1-49	16
1598283	4-37	2		4-71	17		3-23	15	1616931	1-5	1
1598504	1-51	3	1608403	6-6	58	1614230	11-20	21	1616935	1-5	1
	1-53	3	1608412	3-37	7	1614236	11-20	21	1616937	1-5	1
	1-55	3		3-39		1614239	11-20	21	1616939	1-5	1
	1-57	4	1608822	6-5	2	1614331	11-20	8	1616941	1-5	1
1599206	1-21	1	1608879	1-5	5		11-21	29	1616942	1-5	1
1599212	1-21	1	1608881	1-9	28	1614337	11-20	8	1617019	1-23	1
1599316	9-41	11	1608883	1-9	37		11-21	29		1-25	1
1599337	4-65	3	1609374	3-35	5	1614340	11-20	8		1-27	
1599415	1-21	19	1609864	13-11	2		11-21	29		1-29	
	1-23	3	1610749	6-6	57	1614403	11-20	25		1-31	
1600190	4-33	2	1610750	6-6	57	1614406	11-20	25		1-33	
1601894	3-27	6	1610854	1-5	18	1614412	11-20	25		1-43	
1601964	6-11	10	1611061	12-20	32	1614849	7-11	30	1617081	1-49	9
1601965	6-11	9	1611542	4-5	19	1614850	7-11	34	1617082	1-49	23
1601966	6-11	6	1611564	13-11	3	1614852	4-19	16	1617083	9-3	10
1601967	6-11	2	1611835	5-13	1	1615173	9-5	1	1617193	1-49	25
1601968	6-6	40		5-23	1	1615240	9-41	6	1617194	1-9	13
	6-11			5-33	3	1615376	4-19	6	1617585	9-3	12
1603021	4-51	3		5-45	3	1615652	6-6	54	1618178	2-65	2
	4-77	6		5-57		1615740	8-23	1	1618978	4-5	13
	4-79	6	1611981	3-21	1	1615741	8-23		1618985	3-35	17
	4-81	8		3-23	16	1615817	2-41	1	1618986	3-35	14
	4-85	4	1612214	9-3	28	1615818	2-41	4	1618987	3-35	7
1603236	4-51	3	1612223	4-45	4	1615862	8-23	1	1618988	3-35	13
	4-77	6	1612399	4-45	6	1615863	8-23		1619997	9-13	1
	4-79	6	1612916	5-14	51	1615920	2-41	2	1620023	8-24	12
	4-81	8		5-24	51	1615956	3-23	35	1620024	8-24	12
	4-85	4		5-34	50	1616222	4-45	5	1620142	3-9	3
1603285	1-9	7		5-46	50	1616314	4-19	21	1620144	3-9	4
1603681	1-19	2	1612917	5-14	50	1616379	1-5	17	1620145	3-9	2
1603893	1-9	14		5-24	50	1616384	4-92	1	1622610	13-33	8
1603894	1-49	21	1612918	5-14	49	1616386	4-92	1		13-35	9
1603895	1-49	10		5-24	49	1616388	4-92	1		13-37	9
1603943	3-29	21		5-34	49	1616390	4-92	1	1623040	1-5	3

NUMERICAL INDEX (Continued)

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	2-79	16	1623637	6-17	33	1624401	5-13	36		2-29	10
1623280	4-77	1	1623638	6-17	30		5-23	36	1624992	9-7	8
	4-79	1	1623639	6-17	29		5-33	38	1625026	3-35	10
1623281	4-77	1	1623640	6-17	28		5-45	38	1625255	4-46	1
	4-79	1	1623641	6-17	27	1624405	5-13	37	1626353	6-13	3
1623544	6-15	1	1623643	6-17	23		5-23	37	1626519	2-33	7
	6-17	22	1623645	6-17	18		5-33	39	1626727	4-53	4
1623545	6-15	2	1623646	6-17	18		5-45	39		4-59	4
	6-17	21	1623652	6-17	12	1624407	5-13	40	1626732	3-33	16
1623546	6-22	33	1623654	6-17	3		5-34	42	1626734	1-9	35
1623547	6-22	32		6-17	26	1624414	5-23	41	1626735	1-9	41
1623548	6-22	31	1623655	6-17	26		5-46	57	1626774	3-33	15
1623549	6-22	30	1623657	6-17	9	1624415	5-13	31	1627114	8-19	10
1623550	6-22	29	1623658	6-17	4		5-23	31	1627115	8-19	10
1623551	6-22	28	1623666	6-17	6		5-46	58	1627116	8-21	10
1623552	6-22	27	1623669	6-25	23	1624501	5-13	26	1627117	8-21	10
1623553	6-21	26	1623670	6-25	22		5-23	26	1627118	8-19	4
1623554	6-21	26	1623671	6-15	4	1624504	5-27	1	1627119	8-21	4
1623555	6-21	26		6-25	21		5-37	1	1627122	8-19	11
1623556	6-21	26	1623672	6-25	18		5-49	1	1627123	8-21	11
1623557	6-21	26	1623673	6-25	16	1624505	5-13	6	1627126	8-19	6
1623558	6-21	26	1623674	6-25	14	1624507	5-33	7	1627127	8-19	6
1623559	6-21	26	1623675	6-25	15	1624654	9-5	2	1627130	8-21	6
1623560	6-21	26	1623676	6-25	13	1624657	9-5	3	1627131	8-21	6
1623561	6-21	26	1623677	6-25	12	1624663	9-5	8	1627140	8-19	12
1623562	6-21	26	1623687	6-25	2	1624853	9-7	3	1627151	8-19	18
1623563	6-21	26	1623688	6-25	3	1624856	9-7	9		8-21	18
1623564	6-21	26	1623690	6-25	5	1624861	9-7	6	1627152	8-19	18
1623565	6-21	26	1623691	6-25	6	1624862	9-7	4		8-21	18
1623566	6-22	26	1623694	6-25	24	1624863	9-7	5	1627167	8-19	3
1623568	6-21	24	1623695	6-25	20	1624864	9-7	1		8-21	3
1623572	6-21	21	1623696	6-25	19	1624865	9-7	2	1627168	8-19	2
1623573	6-21	20	1623817	6-21	8	1624866	9-7	10		8-21	2
1623574	6-21	19	1623819	2-25	6	1624867	9-7	11	1627171	6-13	7
1623575	6-21	8		2-29	6	1624868	9-7	12	1627183	2-47	2
1623578	6-21	9	1623821	2-25	6	1624869	9-7	8	1627196	2-49	1
1623579	6-21	17		2-29	6	1624870	9-7	8	1627199	2-49	42
1623580	6-21	10	1623836	5-17	19	1624919	2-17	14	1627200	1-61	6
1623581	6-21	11		5-27	19		2-21	14	1627227	2-43	3
1623582	6-21	18		5-37	23	1624920	2-17	14	1627345	2-43	11
1623583	6-21	16		5-49	23		2-21	14	1627350	2-55	12
1623584	6-21	14	1623860	2-37	20	1624921	2-17	14	1627351	2-55	12
1623585	6-21	15	1623895	2-33	42		2-21	14	1627354	2-55	23
1623586	6-21	13	1623904	8-3	8	1624922	2-17	14	1627364	9-5	4
1623587	6-21	12		8-7	9		2-21	14	1627787	6-21	24
1623590	6-21	4		8-11	8	1624923	2-25	10	1627788	6-21	22
1623591	6-21	5		8-15	9		2-25	10	1627789	6-21	22
1623592	6-21	6	1623917	2-33	41	1624924	2-25	10	1627790	6-21	22
1623593	6-21	1	1624014	3-35	18		2-29	10	1627791	6-21	23
1623634	6-17	34	1624204	2-43	13	1624925	2-25	10	1627792	6-21	25

NUMERICAL INDEX (Continued)

PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
1627793	6-21	2	1629196	9-25	2	1635046	3-29	25	1635464	2-83	13
1627794	6-21	3		9-27	2	1635047	3-29	24	1635652	1-23	15
1627799	6-17	35		9-29	1	1635216	8-19	12	1636046	9-7	1
1627800	6-17	27	1629197	9-25	3	1635218	8-21	12	1636047	2-37	5
1627801	6-17	24		9-27	3	1635220	3-27	7	1636048	2-37	6
1627802	6-17	20		9-31	1	1635225	2-73	9	1636647	1-23	19
1627803	6-17	16	1629198	9-25	4	1635227	2-75	12	1636803	2-33	29
1627804	6-17	15		9-27	4	1635228	2-79	4	1636853	1-23	12
1627805	6-17	14		9-35	1	1635233	2-73	6	1636862	4-29	1
1627806	6-17	13	1629200	9-25	6	1635234	2-73	5	1637180	1-17	1
1627812	6-17	10		9-27	7	1635242	2-89	3	1637236	1-49	22
1627813	6-17	11		9-33	8	1635251	2-81	3	1637397	8-27	28
1627814	6-17	25	1629201	9-25	7	1635254	2-85	17	1637398	8-23	9
1627815	6-17	36		9-27	8	1635255	2-79	8	1637399	8-23	13
1627816	6-18	36		9-33	1	1635257	2-81	10	1637748	1-23	4
1627817	6-17	5	1629204	4-25	9	1635258	2-60	9	1637774	2-65	9
1627818	6-17	8	1629209	9-29	13	1635259	2-75	15	1637775	2-87	2
1627819	6-17	2	1629210	9-29	4	1635260	2-62	6	1637776	2-87	2
1627820	6-17	19	1629211	9-29	16	1635264	3-31	4	1637777	2-87	8
1627822	6-25	11	1629316	5-7	5	1635270	2-62	2	1637788	2-87	1
1627823	6-25	1		5-9	5	1635273	2-87	5	1637791	2-75	2
1627824	6-25	4		5-11	3	1635274	2-87	4	1637792	2-75	1
1627825	6-25	9	1632137	4-75	5	1635281	2-75	11	1637795	2-75	13
1627826	6-25	8	1632293	1-5	18	1635282	2-91	2	1637796	2-75	8
1627836	6-25	17		1-5	18	1635286	2-75	4	1637798	2-75	7
1627837	6-25	7	1632294	4-9	5	1635293	2-91	1	1637799	2-75	3
1627838	6-25	10		4-11	16	1635295	2-91	10	1637800	2-76	1
1627925	6-21	8	1632297	3-15	6	1635298	2-75	10	1637801	2-76	2
1627927	6-21	8	1632298	3-15	6	1635307	2-65	12	1637802	2-76	3
1627976	4-19	28	1632300	3-15	8	1635308	2-65	7	1637803	2-63	1
1628117	2-33	6	1632301	3-15	10	1635318	2-89	7		2-83	32
1628118	2-33	5	1632302	3-15	11	1635320	2-81	2	1637805	4-27	1
1628689	1-59	17	1632303	3-15	12	1635341	2-59	3	1637810	4-27	3
1628691	1-59	17	1632304	3-15	13	1635346	2-83	18	1637811	4-27	9
1628746	9-19	16	1632305	3-15	14	1635350	2-69	3	1637812	4-27	10
	9-21	14	1632307	3-15	17	1635356	2-83	5	1637813	4-27	4
1628747	9-17	5	1632741	5-23	39	1635357	2-83	30	1637814	4-27	2
	9-21	1		5-33	41	1635360	2-83	3	1637815	4-27	6
1628748	9-17	6		5-45	41	1635361	2-83	3	1637818	3-25	22
	9-21	2	1632984	2-75	14	1635363	2-59	2	1637819	3-25	21
1629158	9-33	13	1633019	8-19		1635367	2-77	1	1637820	3-25	25
1629159	9-33	6	1633020	8-19		1635368	2-83	6	1637821	3-25	11
1629160	9-33	4	1633126	8-21		1635369	2-67	4	1637822	2-79	10
1629161	9-33	11	1633127	8-21		1635375	2-73	2	1637828	3-27	1
1629162	9-33	10	1633297	6-11	8	1635379	2-83	7	1637830	3-27	11
1629163	9-33	2	1633303	1-23	9	1635382	2-75	5	1637831	3-27	5
	9-33	9	1633304	1-23	5	1635383	2-75	6	1637832	3-27	9
1629164	9-33	12	1633693	9-27	5		2-85	26	1637833	3-27	10
1629165	9-33	5		9-37	1	1635388	2-85	2	1637835	3-25	1
1629166	9-35	3	1634047	4-43	10	1635400	2-91	3	1637836	3-25	3
1629185	13-11	1	1634462	12-11	8	1635412	2-81	1	1637837	3-25	7
1629192	3-5	2	1634463	12-11	8	1635458	2-71	11		3-25	18

NUMERICAL INDEX (Continued)

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1637838	2-79	1	1638701	2-62	8		2-9	25	1646439	8-3	21
1637839	2-79	3	1638706	4-5	3	1641492	2-55	8		8-7	17
1637841	2-69	1	1638844	12-20	33	1641555	8-3	28		8-11	20
1637842	2-69	5	1638961	6-3	11	1641556	8-11	28		8-15	17
1637843	2-81	4		6-13	9	1641557	8-3	28	1646441	9-41	12
1637849	2-83	28	1639068	5-45	7	1641649	2-29	10	1646557	8-3	21
1637850	2-71	18	1639069	5-23	6	1641748	3-25	4		8-7	17
1637851	2-71	17	1639154	11-7	4		3-25	16		8-11	20
1637852	2-71	13		12-19	6	1641754	8-21	1		8-15	17
1637854	2-71	12	1639274	2-62	13	1641755	8-21	1	1646673	2-33	
1637857	2-71	4	1639275	2-62	10	1641758	8-19	1		2-37	
1637858	2-71	7	1639679	2-5	13	1641759	8-19	1		2-39	1
1637860	2-69	7	1639681	2-5	19	1641957	6-6	56		2-45	
1637861	2-73	3	1639683	2-9	16		8-21			2-47	
1637862	2-73	7	1639685	2-5	19	1641958	6-6	56		2-49	
1637863	2-73	1	1639687	2-9	16		8-21			2-53	
1637864	2-73	4	1639801	8-7	27	1641959	6-6	56		2-55	
1637868	2-91	7		8-15	26		8-19		1646674	2-33	
1637870	2-91	6	1639862	5-41	3	1641960	6-6	56		2-37	
1637871	3-31	3		5-43	3		8-19			2-39	1
1637874	2-67	1		5-53	3	1642028	3-31	1		2-45	
1637875	2-67	3		5-55	3	1642030	3-31	24		2-47	
1637877	2-83	37	1639863	5-43	21	1642031	3-31	8		2-49	
1637917	7-16	3		5-55	20	1642032	3-31	16		2-53	
1637918	7-16	4	1639864	5-41	20	1642033	3-31	9		2-55	
1637926	2-83	14		5-53	19	1642036	3-31	12	1646850	13-33	3
1637927	2-83	24	1639865	5-39	3	1643342	2-21	26		13-35	3
1637929	3-31	20		5-51	3		2-29	18		13-37	3
1637930	3-31	19	1640196	2-83	38	1643378	8-21	10		13-37	8
1637931	3-31	11	1640531	4-9	15	1643379	8-21	10	1646875	5-3	1
1637932	3-31	10		4-11	23	1643380	8-19	12		5-45	
1637934	3-31	6	1640573	5-23	40	1643383	8-21	1		5-49	
1637944	2-85	20		8-27	1	1643384	8-21	1	1646876	5-3	1
1637945	2-85	18	1640589	7-3	5	1643387	8-19	10		5-45	
1637946	2-85	18	1640590	7-3	5	1643388	8-19	10		5-49	
1637947	4-28	1	1640776	1-17	6	1643393	8-19	1	1646877	5-3	1
1637950	2-83	4	1640818	4-9	7	1643394	8-19	1		5-23	
1637951	2-89	13		4-11	19	1643399	8-21	12		5-27	
1637952	2-89	9	1640963	3-27	8	1643932	3-5	8	1646878	5-3	1
1637953	2-89	9	1640964	3-27	14	1644455	6-25	4		5-23	
1637954	2-89	14	1640965	3-27	13	1644456	6-25	10		5-27	
1637955	2-81	5	1641352	6-15	3	1644726	2-79	15	1646884	5-49	11
1638156	2-13	16	1641353	6-15	5	1644743	2-13	5		5-51	
1638157	2-13	16	1641354	6-15	6	1645381	8-3	21	1646885	5-45	20
1638418	2-91	4	1641355	6-15	7		8-7	17		5-53	
1638419	2-91	10	1641356	6-15	8		8-11	20	1646886	5-45	19
1638420	2-91	10	1641362	6-21	7		8-15	17		5-55	
1638421	2-91	10	1641368	4-5	3	1646397	8-3	21	1646887	5-23	14
1638422	2-91	10	1641371	2-33	7		8-7	17		5-29	
1638423	2-71	3	1641404	2-5	30		8-11	20	1646888	5-23	13
1638500	3-29	16		2-9	24		8-15	17		5-31	
1638699	2-71	2	1641405	2-5	26	1646410	4-11	12	1646920	6-25	20

NUMERICAL INDEX (Continued)

PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
1646922	1-27	4	1647481	1-37	5	1649471	2-5	6	1654578	4-65	8
1647414	1-25	2	1647482	1-37	2		2-9	12		4-67	4
	1-35	1	1647483	1-37	6		2-13	10	1654579	4-65	8
1647415	1-25	3	1647484	1-39	1	1649534	6-17	9		4-67	4
	1-37	1	1647485	1-39	6	1650184	3-3	9	1654754	3-37	2
	1-39		1647486	1-39	15		3-5	11	1654891	1-57	8
1647416	1-25	4	1647487	1-39	16	1650668	2-5	31	1655360	3-17	4
	1-43	1	1647488	1-39	9		2-9	1	1656407	6-3	3
1647422	1-27	6	1647489	1-39	11		2-13	1		6-5	
1647423	1-29	7	1647490	1-39	8	1650669	2-5	31	1657558	2-34	55
1647424	1-27	5	1647491	1-39	7		2-9	1	1663559	2-83	2
1647425	1-31	5	1647492	1-39	3		2-13	1	2014670	2-41	3
1647426	1-31	6	1647493	1-39	17	1650698	4-19	25	2021353	8-3	13
1647427	1-31	4	1647494	1-39	13		4-19	37		8-7	15
1647428	1-31	7	1647495	1-39	4	1650819	5-57	4		8-11	13
1647429	1-29	6	1647496	1-39	2	1651753	5-53	2		8-15	15
1647430	1-29	8	1647497	1-39	14	1651760	5-29	3	2021389	5-13	39
1647431	1-31	3	1647522	1-33	5	1651761	5-29	19	2021395	1-9	17
	1-41		1647523	1-33	3		5-31	20	2021679	3-11	24
1647432	1-31	2	1647524	1-33	1	1651762	5-31	3	2021683	3-11	22
1647433	1-27	7	1647525	1-35	12	1651797	13-13	1		3-29	2
1647434	1-27	13	1647526	1-35	11	1651852	5-51	25	2021685	3-11	23
1647435	1-27	12	1647527	1-37	8		5-53	25		3-29	3
1647436	1-27	8	1647529	1-41	1		5-55	25	2022352	6-5	33
1647437	1-27	3	1647611	1-55	14	1652034	2-34	47	2026861	6-5	31
1647438	1-27	2	1647612	1-31	1		2-55	26	2027655	1-10	56
1647439	1-29	2	1647613	1-29	1	1652037	4-23	6	2027949	3-35	19
1647440	1-31	8	1647615	2-13	19	1652269	5-51	24	2028341	6-13	9
	4-41	12	1647616	2-13	14		5-53	24	2028862	6-5	36
1647441	1-33	6	1647617	2-13	18		5-55	25	2029383	6-9	5
1647442	1-33	2	1647656	6-17	24	1652272	5-29	21	2029436	6-5	8
1647443	1-27	9	1647864	13-33	11		5-31	21	2033243	10-11	4
1647444	1-27	14		13-37	3	1652290	13-4	1		12-15	3
1647445	1-27	15	1648116	4-11	12	1652926	6-5	7	2033281	10-13	4
1647446	1-27	11	1648259	4-51	7	1653560	3-3	14	2033295	11-11	11
1647447	1-27	10	1648387	4-5	6	1653561	3-5	14	2033296	11-11	11
1647448	1-27	1	1648577	2-59	4	1653884	2-49	13	2033299	12-15	3
1647451	1-35	3	1648578	2-59	5	1653886	2-55	12	2034459	1-59	1
	1-37	3	1648579	2-59	11	1653887	2-45	2	2035316	9-43	8
1647452	1-35	2	1648580	2-59	12	1653888	2-45	1	2035317	9-43	8
	1-37	4	1648581	2-59	13		2-55	24	2035318	9-43	8
1647453	1-35	4	1648582	2-59	14	1654009	7-16	1	2035667	10-19	
1647454	1-35	9	1648583	2-59	8	1654013	4-41	6	2035669	10-19	
1647455	1-35	5	1648584	2-59	7		4-43	6	2035671	10-19	
1647456	1-35	10	1648585	2-59	17		13-4		2035672	10-19	
	1-39	12	1648586	2-59	16	1654057	2-79	1	2035784	10-11	11
	1-43	6	1648587	2-59	9	1654058	2-79	3	2035785	10-13	12
1647457	1-35	8	1648588	2-59	18	1654059	4-28	1	2035791	10-16	9
	1-39	10	1648589	2-59	10	1654061	2-81	11		11-20	1
1647458	1-35	6	1648590	2-59	15	1654411	3-37	1		12-27	9
1647459	1-43	1	1648991	4-5	6	1654480	2-49	37	2035792	12-31	
1647480	1-37	7	1649095	2-13	6	1654481	2-49	37	2035794	12-31	

NUMERICAL INDEX (Continued)

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2036277	12-16	14	2038676	11-11	15	2063847	6-13	1	2068342	4-33	9
2036278	12-16	14	2038679	11-12	16		6-15		2068343	4-33	9
2036279	11-16	18	2039492	6-6	51		6-17		2068344	4-33	9
	12-24	18	2039493	6-6	50		6-21		2069431	4-35	12
2036282	11-15	3	2039494	6-6	52		6-25		2069454	1-21	6
	12-23	3	2039504	6-6	45	2063991	9-9	24	2069464	1-49	6
2036479	12-16	11	2044372	9-43	11		9-11	15	2069951	2-31	6
2036547	9-43	14	2044712	4-30	1		9-13	25	2070100	3-13	7
2036778	12-19	1	2046866	4-19	29		9-15	16	2070147	5-2	3
2037841	12-15	2	2046871	10-8	21	2064554	8-3	19		5-3	3
2037842	12-15	2		12-11	15		8-7	23	2070223	1-21	5
2037844	12-15	2	2047829	7-15	9		8-11	27	2070263	5-14	54
2037845	12-15	2	2056762	3-13	1		8-15	22		5-24	54
2037846	12-15	2		3-19		2064790	4-39	1		5-33	5
2037856	12-15	2	2056822	1-9	18	2064807	4-39	3		5-45	5
2037857	12-15	2	2056823	1-9	2	2064836	4-41	4		5-57	2
2037858	12-15	2	2056824	4-41	1		4-43	4	2070269	4-33	1
2037859	12-15	2		4-43	1	2064837	4-41	4		4-81	
2037860	12-15	2	2056826	4-41	2		4-43	4	2070296	1-63	1
2037943	13-15	1		4-43	2	2064838	4-41	4	2070297	1-63	2
	13-17		2057948	4-35	8		4-43	4	2070298	1-63	3
2037944	13-15	1	2058000	3-11	15	2064929	13-9	5	2070299	1-63	3
	13-17			3-29	30	2065666	1-10	57	2070300	1-63	3
2037945	13-19	1	2058110	4-6	4	2065667	1-10	54	2070301	1-63	3
	13-21		2058111	4-6	6	2065668	1-10	58	2070302	1-63	3
2037946	13-19	1	2058426	3-13	28	2065745	4-5	17	2070303	1-63	3
	13-21		2058909	4-33	10	2065797	1-49	3	2070304	1-63	3
2037947	13-25			4-91		2065798	1-49	4	2070305	1-63	3
2037948	13-27		2059895	3-13	16	2065799	1-49	5	2070306	1-63	3
2037949	13-31		2060032	4-35	6	2065826	1-49	5	2070307	1-63	3
2037950	13-31		2060033	4-35	11	2065827	1-49	4	2070531	3-3	1
2037951	13-15		2060198	4-33	10	2065853	2-17	6		3-5	1
2037952	13-15			4-89			2-21	6		3-9	
2037953	13-19		2062535	9-43	8	2065889	11-16	18	2070655	1-63	3
2037954	13-19		2062587	2-37	21		12-24	18	2070726	1-10	62
2037955	13-23		2062718	4-37	8	2066137	2-37	24	2070782	3-13	22
2037956	13-23		2063017	2-33	38		3-11	21	2070975	1-10	60
2037957	13-29		2063122	7-7			3-17	5	2070996	1-23	2
2037958	13-29			9-17	8	2066322	2-25	6	2071001	1-45	2
2038558	11-23			9-25	8		2-29	6		1-47	2
2038561	11-23			9-27	9	2066482	4-35	4	2071094	7-15	2
2038564	11-23		2063842	3-37	11	2066483	4-35	12	2071181	3-37	9
2038566	11-23		2063845	6-13	1	2066484	4-35	5	2071261	1-10	63
2038594	13-23			6-15		2066485	4-35	3		3-6	3
2038595	13-25			6-17		2067475	1-9	4	2071327	2-5	17
2038596	13-23			6-21		2067476	3-3	15	2071329	2-37	12
2038597	13-29			6-25			3-5	17	2071330	2-37	12
2038598	13-29		2063846	6-13	1	2067574	6-5	11	2071501	4-11	3
2038599	13-27			6-15			6-9	1	2071517	3-13	30
2038600	13-31			6-17		2067592	2-34	56	2071560	2-37	12

NUMERICAL INDEX (Continued)

PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
2071562	2-37	12		12-27			2-29	9	2073681	11-15	2
2071579	2-33	34	2071903	12-3		2072829	2-25	9		12-23	2
2071647	1-14	1		12-5			2-29	9	2073683	12-23	2
2071745	10-3			12-9		2072894	3-13	21	2073685	12-23	2
	10-5			12-27		2073114	1-65	3	2073687	11-15	2
	10-16		2071905	12-3		2073115	1-65	2		12-23	2
2071750	10-3			12-5		2073116	1-65	6	2073689	12-23	2
	10-5			12-9		2073117	1-65	7	2073760	13-3	7
	10-16			12-27		2073118	1-65	4	2073768	8-27	22
2071756	10-3		2071931	11-3		2073119	1-65	8	2073852	12-15	
	10-5			11-7		2073121	1-65	9	2073854	12-15	
	10-16		2071937	11-3		2073122	1-65	10	2073856	12-15	
2071818	10-3			11-7		2073123	1-65	11	2073857	12-15	
	10-5		2071969	11-3		2073192	8-7	21	2073859	12-15	
	10-16			11-7		2073197	1-59	30	2073888	12-15	1
2071824	10-3		2071975	11-3		2073223	11-15	2	2073890	12-15	1
	10-5			11-7			12-23	2	2073891	12-15	1
	10-16		2072080	12-20	31	2073225	12-23	2	2073893	12-15	1
2071830	10-3		2072082	12-20	31	2073227	12-23	2	2073895	12-15	1
	10-5		2072083	12-20	31	2073229	11-15	2	2073912	12-15	
	10-16		2072085	12-20	31		12-23	2	2073914	12-15	
2071871	12-3		2072087	12-20	31	2073231	12-23	2	2073915	12-15	
	12-5		2072127	11-4	26	2073257	11-15	1	2073917	12-15	
	12-9		2072133	11-4	26		12-23	1	2073919	12-15	
	12-27		2072157	4-9	20	2073259	12-23	1	2073932	12-15	1
2071873	12-3			4-15	7	2073261	12-23	1	2073934	12-15	1
	12-5		2072202	2-5	10	2073263	11-15	1	2073935	12-15	1
	12-9			2-9	7		12-23	1	2073937	12-15	1
	12-27		2072298	3-13	27	2073265	12-23	1	2073939	12-15	1
2071874	12-3		2072631	3-13	15	2073395	11-15		2073953	11-11	
	12-5		2072782	3-39	3		12-23		2073968	11-11	
	12-9		2072818	2-25	9	2073397	12-23		2073992	11-11	
	12-27			2-29	9	2073399	12-23		2073998	11-11	
2071876	12-3		2072819	2-17	16	2073401	11-15		2074022	11-11	1
	12-5			2-21	16		12-23		2074031	7-9	4
	12-9			2-25	12	2073403	12-23		2074032	7-9	4
	12-27			2-29	12	2073470	5-37	23	2074042	11-11	1
2071878	12-3		2072821	2-17	16		5-49	23	2074087	11-11	
	12-5			2-21	16	2073553	11-15		2074093	11-11	
	12-9			2-25	12		12-23		2074126	11-11	
	12-27			2-29	12	2073557	12-23		2074138	11-11	
2071898	12-3		2072823	2-17	13	2073566	12-23		2074167	8-3	36
	12-5			2-21	13	2073570	11-15			8-7	36
	12-9		2072824	2-17	13		12-23		2074181	10-8	27
	12-27			2-21	13	2073575	12-23			11-4	19
2071900	12-3		2072825	2-17	13	2073626	11-15	1		12-12	28
	12-5			2-21	13		12-23	1	2074209	1-61	11
	12-9		2072826	2-17	13	2073630	12-23	1	2074231	3-11	4
	12-27			2-21	13	2073632	12-23	1	2074243	3-11	2
2071901	12-3		2072827	2-25	9	2073634	11-15	1	2074255	1-59	5
	12-5			2-29	9		12-23	1	2074256	1-59	5
	12-9		2072828	2-25	9	2073636	12-23	1	2074320	4-6	4

NUMERICAL INDEX (Continued)

PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
2074436	1-14	2		5-27	19		9-11	16	2083432	12-27	1
2074437	1-14	2	2076527	5-37	23		9-17			12-27	2
2074438	1-14	2		5-49	23	2079627	9-27		2083434	12-27	1
2074439	1-14	2	2076637	3-3	10	2079628	9-25			12-27	2
2074440	1-14	3	2076695	4-35	2	2079731	9-3	16	2083435	12-27	1
2074441	1-14	3	2076696	4-35	2	2079735	9-3	22		12-27	2
2074442	1-14	3	2076763	10-8	38	2079736	9-3	14	2083437	12-27	1
2074443	1-14	3		11-4	39	2079843	4-49	15		12-27	2
2074622	10-11			12-12	31	2079844	5-9	9	2083439	12-27	1
2074629	10-11		2077209	1-9	47	2079845	5-11	5		12-27	2
2074637	10-11		2077238	3-3	5	2080376	3-33	17	2083459	12-27	1
2074702	3-39	1	2077444	5-7	11	2080791	2-37	15		12-27	2
2074741	1-59	16		5-9	12	2081136	2-37	16	2083461	12-27	1
2074895	10-13		2077588	9-3	19	2081137	9-41	4		12-27	2
2074901	10-13			9-7			9-43		2083462	12-27	1
2074954	10-13		2077604	8-3	21	2081138	9-41	4		12-27	2
2075005	10-11	1		8-7	17		9-43		2083464	12-27	1
2075011	10-11	1		8-11	20	2081315	2-37	28		12-27	2
2075067	10-11	1		8-15	17	2081594	6-13	1	2083466	12-27	1
2075089	10-13	1	2078039	9-25	1		6-15			12-27	2
2075095	10-13	1	2078041	9-27	1		6-17		2083531	6-26	2
2075101	10-13	1	2078045	9-17	1		6-21			6-29	2
2075127	10-11	2	2078047	9-17	1		6-25		2083532	6-27	2
2075133	10-11	2	2078335	3-33	21	2081840	3-29	1		6-30	2
2075151	10-13	2	2078353	2-5	10	2081865	9-3	8	2083533	6-28	2
2075157	10-13	2		2-9	7	2082190	9-43	15		6-30	2
2075163	10-13	2	2078398	12-16	13	2082654	9-3	19	2083534	6-26	2
2075418	1-59	15	2078399	12-16	13		9-7			6-30	2
2075442	10-11	2	2078657	11-20	15	2082657	2-39	3	2083535	6-27	2
2075449	4-19	32		11-20	20	2083129	4-11	33		6-30	2
2075535	11-4	22	2078663	11-20	15		4-23	28	2083536	6-28	2
2075558	5-17	23		11-20	20	2083195	11-20	9		6-30	2
	5-27	23	2078688	11-20	15		11-20	23	2083543	7-16	2
	5-37	27		11-20	20		11-20	5	2083634	2-41	5
	5-49	27	2078697	11-20	15	2083196	11-20	9	2083701	9-9	20
2075615	1-59	13		11-20	20		11-20	23		9-11	6
2075656	1-59	22	2078983	5-7	13		11-20	5		9-13	21
2075755	9-3	27		5-9	15	2083201	11-20	9		9-15	9
2075858	9-45	9	2078984	5-11	6		11-20	23	2083702	9-9	19
2075859	9-45	17	2079115	4-9	13		11-20	5		9-11	7
2075911	4-39	1		4-11	25	2083205	11-20	9		9-13	20
2075912	4-39	3		4-67			11-20	23		9-15	8
2075913	4-39	1	2079116	4-9	13		11-20	5	2083703	9-11	8
2075914	4-39	3		4-11	25	2083261	10-16	1		9-13	19
2075916	4-39	1		4-65			10-16	2		9-15	7
2075917	4-39	3	2079281	4-49	4	2083267	10-16	1	2083704	9-15	6
2076134	1-49	2	2079326	4-51	1		10-16	2	2083705	9-13	18
2076169	1-59	14	2079369	7-3	6	2083273	10-16	1	2083706	9-9	18
2076204	1-10	62	2079624	9-13	26		10-16	2	2083765	9-45	11
2076289	1-13	3		9-15	17	2083335	9-3	3	2083998	13-17	18
2076429	2-39	2		9-17		2083424	6-5	9		13-25	16
2076519	5-17	19	2079625	9-9	25	2083429	6-6	44		13-27	18

NUMERICAL INDEX (Continued)

PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
2083999	13-21	18	2085886	1-69	3	2089037	4-72			6-17	
	13-31	18	2085887	1-69	8	2089112	1-59	11		6-21	
2084020	2-17	16	2085888	1-69	5	2089136	6-5	1		6-25	
	2-21	16	2085889	1-69	4	2089137	6-6	61	2090854	6-13	1
	2-25	12	2085890	1-69	10	2089138	6-5	1		6-15	
	2-29	12	2085891	1-69	6	2089139	6-6	61		6-17	
2084021	2-17	16	2085892	1-69	9	2089142	3-5	6		6-21	
	2-21	16	2085893	1-69	7	2089201	1-9	23		6-25	
	2-25	12	2085942	4-45	1	2089202	1-9	24	2090894	8-27	23
	2-29	12		4-79		2089674	11-20	10	2090895	8-27	16
2084703	4-37	10	2085943	4-45	1		11-20	24	2091015	8-3	31
	4-92			4-77			11-20	6		8-7	31
2084829	4-33	1	2086000	8-27	12	2089685	11-20	10		8-27	6
	4-85		2086001	8-27	14		11-20	24	2091149	8-27	19
2084867	9-45	23	2086157	9-45	24		11-20	6	2091513	8-27	24
2084981	1-55		2086293	9-45	3	2089690	11-20	10	2091515	8-27	21
2084982	1-55		2086556	1-67	1		11-20	24	2091868	13-11	4
2085129	5-29	6	2086557	1-67	2		11-20	6	2092170	4-19	23
	5-31	6	2086558	1-67	3	2089691	11-20	6		4-25	8
	5-39	6	2086559	1-67	7	2089694	11-20	10	2092171	4-23	4
	5-41	6	2086560	1-67	5		11-20	24	2092343	2-13	15
	5-43	6	2086561	1-67	6	2089774	4-23	16	2092344	2-13	15
	5-51	6	2086562	9-3	19		4-75		2092371	4-19	9
	5-53	6		9-7		2089776	9-7	1		4-95	
	5-55	6	2087117	2-11	6	2089808	4-23	15	2092505	8-23	8
2085167	4-37	1	2087309	9-45	25	2090051	2-33	27	2092506	8-23	8
2085168	4-37	1	2087555	10-8	29	2090085	4-43	19	2092544	4-5	8
2085171	4-37			12-12	26		4-99			4-59	
2085172	4-37		2087565	13-33	13	2090110	4-35	1	2092613	8-4	46
2085175	4-37	1		13-35	8	2090113	5-7	12		8-8	52
2085176	4-37	1		13-37	15		5-9	14		8-11	37
2085179	4-37		2087701	2-37	10	2090184	8-27	27		8-15	43
2085180	4-37			4-71		2090185	8-27	29	2092694	2-56	5
2085188	1-57		2087702	2-37	10	2090303	2-33	24	2092888	8-3	24
2085190	1-57			4-69	1	2090355	4-20	40		8-7	29
2085193	1-53		2088450	11-7	11	2090425	5-9	13		8-11	17
2085194	1-53			12-19	23	2090613	4-5	10		8-15	38
2085232	7-11	27	2088451	11-7	11		4-30		2093179	13-33	5
	7-15			12-19	23	2090695	1-23	7	2093180	13-33	4
2085566	9-41	4	2088765	3-5	12	2090738	4-53		2093181	13-33	7
	9-43		2088766	3-5	5	2090851	6-13	1	2093182	13-33	6
2085641	2-17	9	2088767	3-5	4		6-15		2093183	13-33	5
	2-21	9	2088830	2-33	32		6-17		2093184	13-33	4
	2-57	3	2088832	2-33	4		6-21		2093185	13-33	7
2085875	1-65	12	2088880	4-23	29		6-25		2093186	13-33	6
2085877	1-65	5		4-25	8	2090852	6-13	1	2093187	13-33	7
2085878	1-67	4	2088913	9-45	6		6-15		2093188	13-33	6
2085879	1-67	8	2088914	9-45	16		6-17		2093189	13-33	7
2085880	1-67	9	2088916	9-3	24		6-21		2093190	13-33	6
2085881	1-67	10	2088997	2-34	60		6-25		2093191	13-33	5
2085882	1-69	1	2089027	7-9	5	2090853	6-13	1	2093192	13-33	4
2085885	1-69	2	2089028	7-9	5		6-15		2093193	13-33	7

NUMERICAL INDEX (Continued)

PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
2093194	13-33	6		13-37	7	2093801	4-37		2095794	2-11	4
2093224	8-4	52	2093658	13-35	7	2093803	4-37		2095795	2-11	3
	8-8	58		13-37	6	2093804	4-37		2095796	2-11	4
	8-11	40	2093659	13-35	4	2093805	4-37		2095797	2-11	3
	8-16	46		13-37	4	2093806	4-37	1	2095798	2-11	3
2093345	13-19	22	2093660	13-35	5	2093807	4-37	1	2095895	4-43	10
2093346	13-19	21		13-37	5	2093808	4-37	1	2096031	5-7	13
2093347	13-15	21	2093661	13-37	4	2093809	4-37	1		5-9	15
2093348	13-15	22	2093662	13-37	5	2094096	2-37	12	2096032	5-11	6
2093349	13-23	28	2093663	13-35	4	2094097	2-37	12	2096036	5-7	12
2093350	13-23	29	2093664	13-35	5	2094236	4-19	25		5-9	14
2093351	13-29	27		13-37	5	2094237	4-19	37	2096039	5-11	7
2093352	13-29	28	2093665	13-35	6	2094582	4-11	10	2096079	8-4	39
2093469	4-9	1		13-37	7	2094938	9-41	4		8-8	39
	4-11	38	2093666	13-35	7		9-43		2098082	4-41	5
	4-15	1		13-37	6	2095233	2-17	9		4-43	5
2093470	4-11	14	2093667	13-35	4		2-21	9	2098083	4-41	4
	4-15	7		13-37	4		2-33	18		4-43	4
2093509	4-5	8	2093668	13-35	5	2095785	2-15	4	2098084	4-41	4
2093567	4-19	31		13-37	5	2095786	2-15	3		4-43	4
	4-23	8	2093669	13-35	6	2095787	2-15	2	2098085	4-41	4
	4-25	1	2093670	13-35	7	2095788	2-15	1		4-43	4
2093653	13-37	7	2093671	13-35	4	2095789	2-15	1	2098586	2-5	17
2093654	13-37	6	2093672	13-35	5	2095790	2-11	1	2308541	3-35	20
2093655	13-37	4	2093677	13-35	4	2095791	2-11	5			
2093656	13-37	5	2093678	13-35	5	2095792	2-11	2			
2093657	13-35	6	2093759	5-11	7	2095793	2-11	3			

