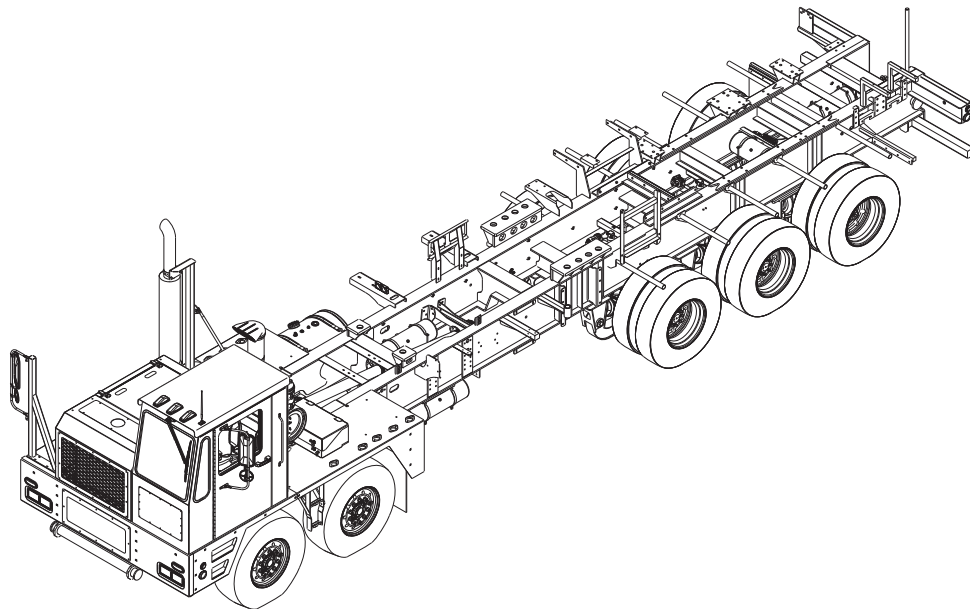


KC3100 Series

Illustrated Parts Manual

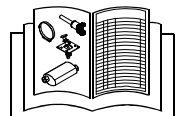
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Original
January 20, 2011

Part Number
990001-044

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IMPORTANT SAFETY INFORMATION FOR PERSONS PERFORMING MAINTENANCE

This Illustrated Parts Manual provides information that pertains to replacement parts for the carrier manufactured by Kimble. In performing maintenance on the vehicle, review and thoroughly understand the recommended and required maintenance procedures in component manuals, including but not limited to, parts books, owners manuals, operator's manuals, maintenance manuals and/or service manuals.

These publications should be carefully checked for original equipment manufacturers recommended and required maintenance procedures and instructions as well as all applicable **DANGER**, **WARNING** and **CAUTION** notices.

In addition to manufacturer supplied manuals or publications, be sure to also review and thoroughly understand all procedures, including but not limited to, safety procedures, required by the United States Occupational Safety and Health Administration (O.S.H.A) and those of any other governmental regulatory body that may pertain to the work intended on being performed.

Finally review and understand any applicable maintenance procedures and safety practices recommended by Truck Manufacturers Association® (www.truckmfgs.org), before beginning maintenance work.

ORDERING GENUINE KIMBLE PARTS FOR YOUR CHASSIS

Original Kimble parts are designed to meet exacting requirements for each particular application. Imitation parts are not the same as Kimble original parts and in some cases, in addition to not lasting as long, they can cause safety hazards. Kimble parts are engineered with safety and longevity, imitations may expose associates to injury or worse.

When ordering parts for your Kimble vehicle having your model and serial number will be helpful. If ordering a large component there may be a model and serial number on that component as well. This will ensure the identification of correct parts.

EFFECTIVITY PAGE

January 20, 2011 - Original Issue of Manual

EFFECTIVITY PAGE

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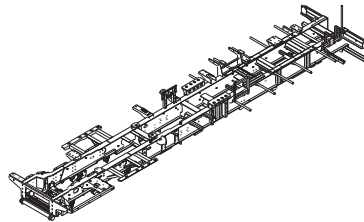
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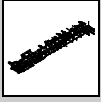
SERVICE KITS

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SECTION 1

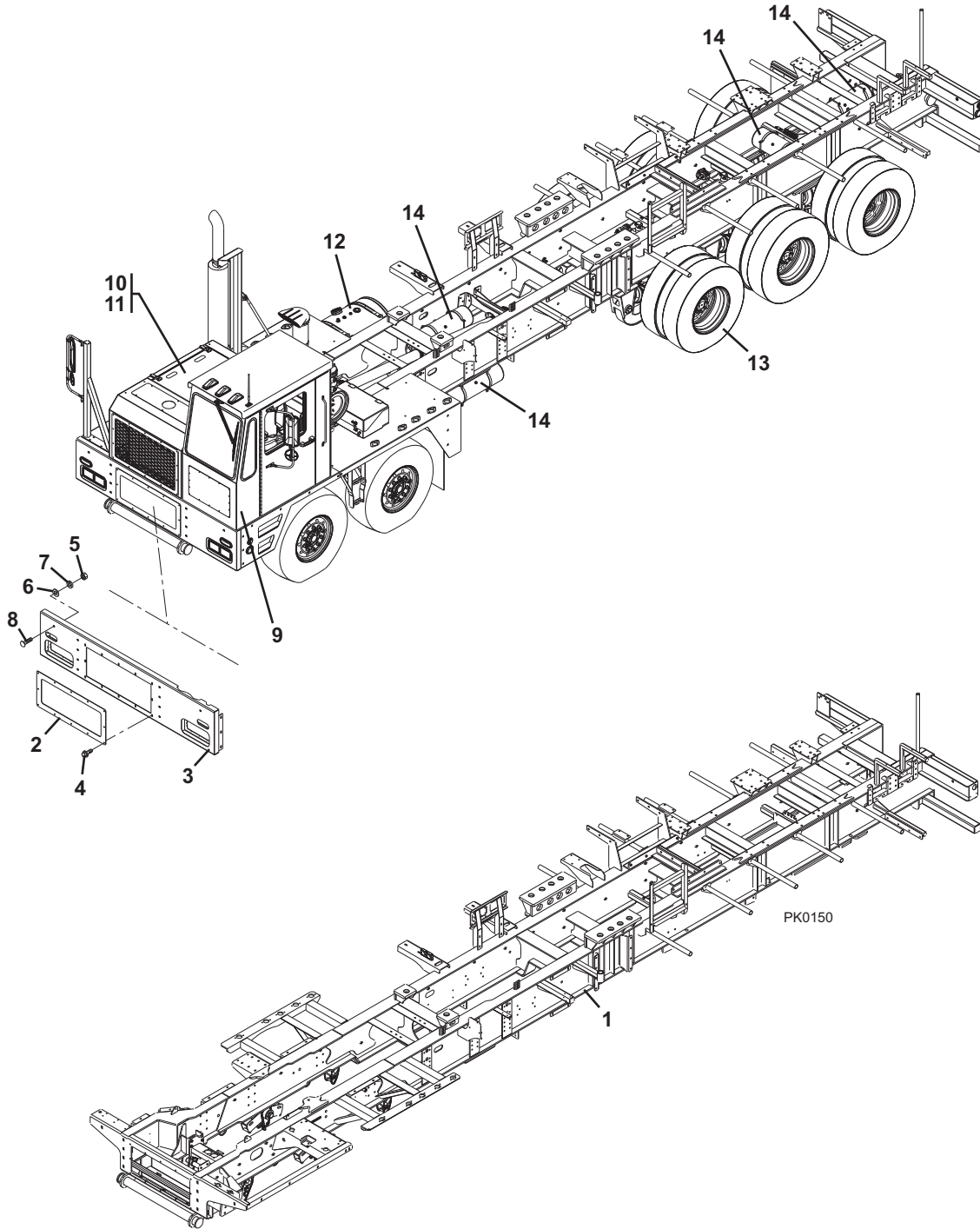
FRAME & ATTACHING PARTS





FRAME & ATTACHING PARTS

Figure 1-1 Frame Assembly



FRAME & ATTACHING PARTS

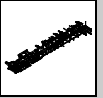
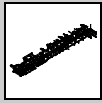


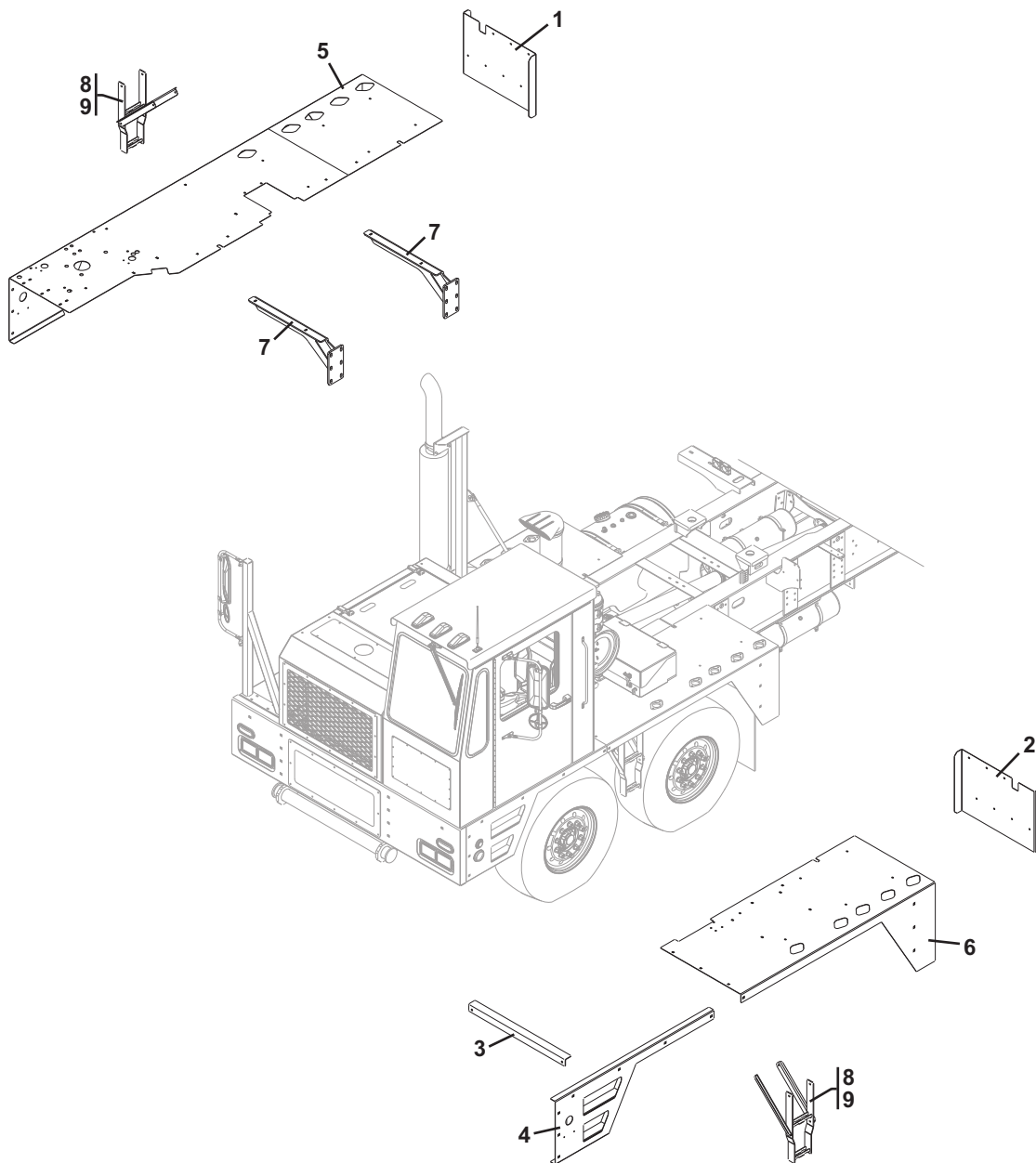
Figure 1-1 Frame Assembly

Item	Part Number	Qty.	Description	Rev.
1	500001-095		FRAME WELDMENT	
2	500033-318	1	GRILLE	
3	500012-027	1	BUMPER	
4	200180-306	12	FLANGE HD CAPSCREW, 3/8-16X1-1/2	
5	200106-020	10	HEX NUTM 5/8-11	
6	200105-008	10	WASHER, 5/8	
7	200054-003	10	LOCKWASHER, 5/8	
8	200042-008	10	CARRIAGE BOLT, 5/8-11X1-3/4	
9		Ref	OPERATOR CAB INSTALLATION, (see Figure 4-1 for details)	
10		Ref	ENGINE INSTALLATION, (see Figure 2-1 for details)	
11		Ref	ENGINE ENCLOSURE ASSY, (see Figure 1-4 for details)	
13		Ref	DRIVETRAIN INSTALLATION, (see Figure 3-1 for details)	
14		Ref	AIR TANK ASSY, (see Figure 7-1 for details)	



FRAME & ATTACHING PARTS

Figure 1-2 Front Fender Assembly



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FRAME & ATTACHING PARTS

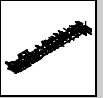
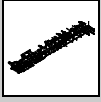


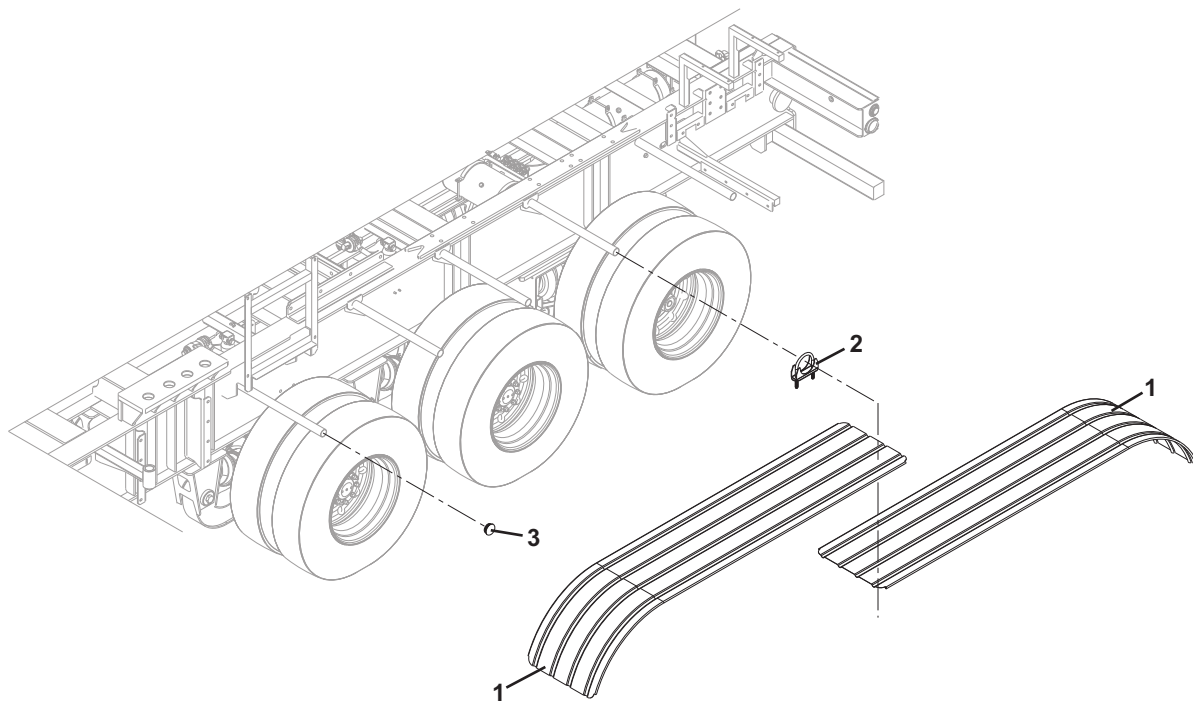
Figure 1-2 Front Fender Assembly

Item	Part Number	Qty.	Description	Rev.
1	700120-111	1	FENDER PLATE, RH	
2	700120-109	1	FENDER PLATE, LH	
3	700066-183	4	STIFFENER PLATE	
4	500045-124	1	FENDER WELDMENT, LH FRONT STEP	
5	500045-111	1	FENDER WELDMENT, RH FRONT	
6	500045-110	1	FENDER WELDMENT, LH REAR	
7	500045-027	2	FENDER WELDMENT, RH	
8	500022-021	2	FENDER STEP	
9	700066-015	4	STEP BRACE ANGLE	



FRAME & ATTACHING PARTS

Figure 1-3 Rear Fender Assembly



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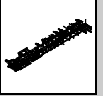
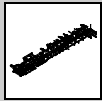


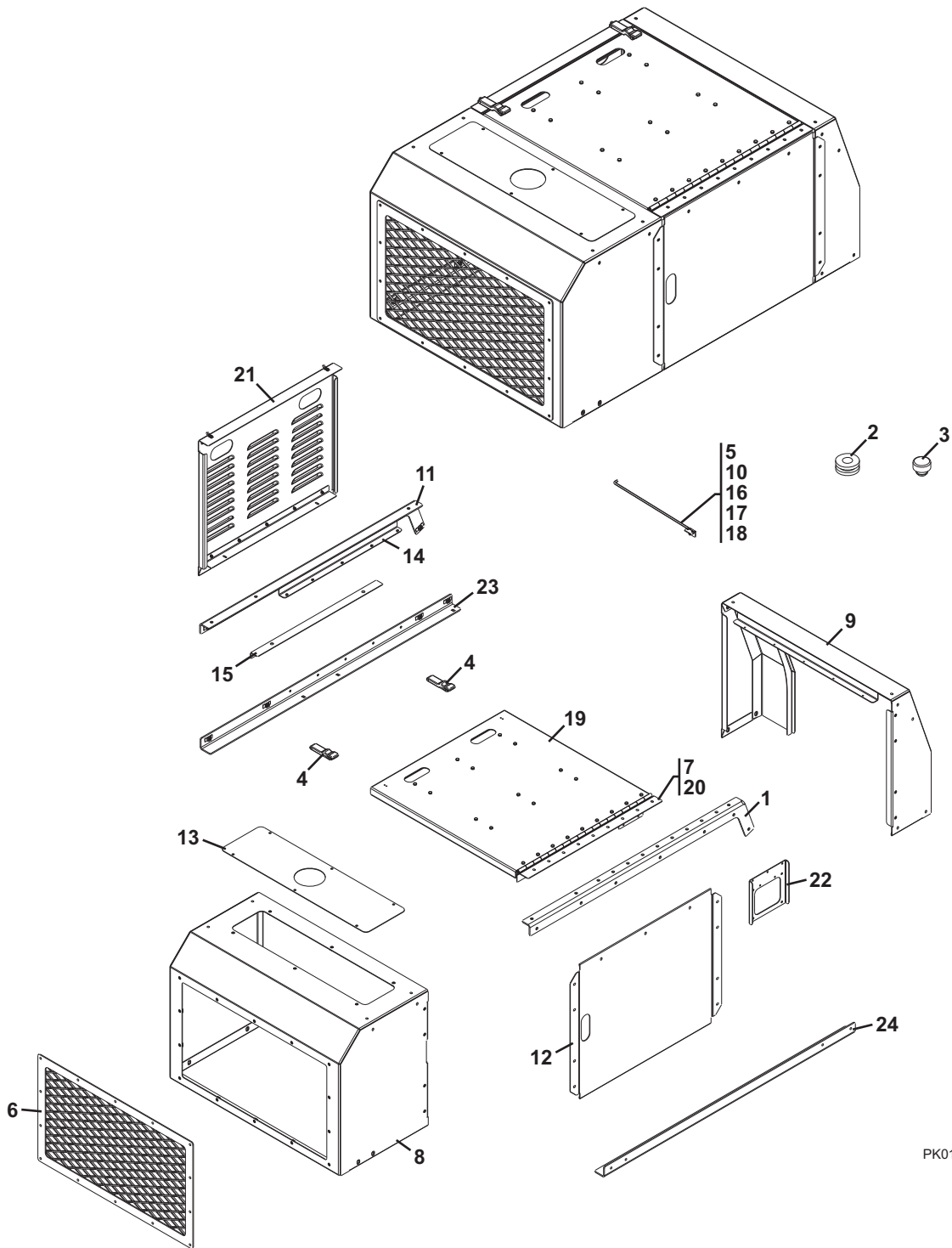
Figure 1-3 Rear Fender Assembly

Item	Part Number	Qty.	Description	Rev.
1	300193-001	4	ALUMINUM FENDER, SINGLE RADIUS	
2	300144-205	10	U-BOLT, 2-1/4 TO 3-1/4	
3	200093-005	10	PLASTIC END CAP	



FRAME & ATTACHING PARTS

Figure 1-4 Engine Enclosure Assembly



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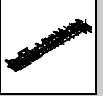
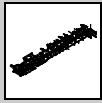


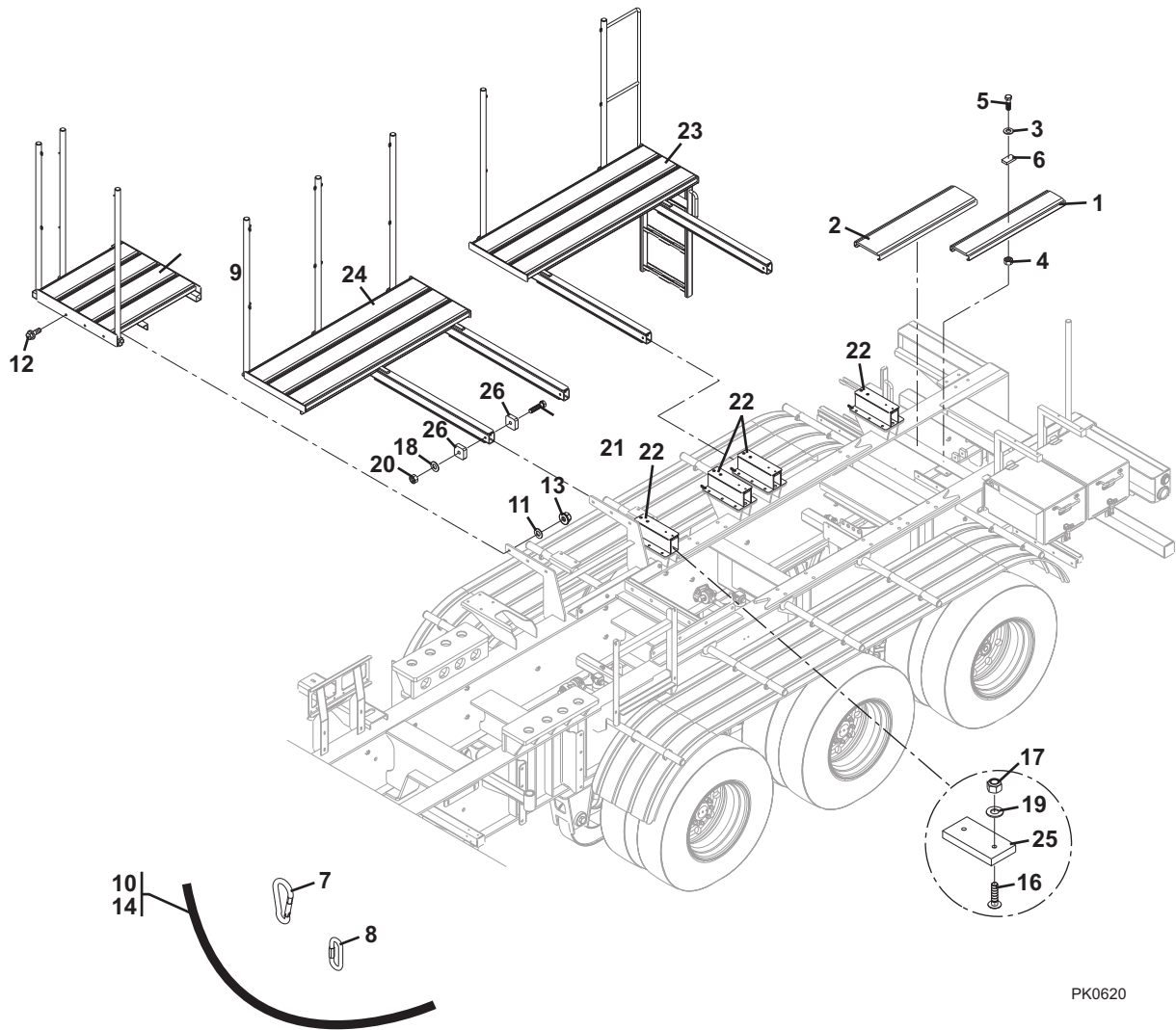
Figure 1-4 Engine Enclosure Assembly

Item	Part Number	Qty.	Description	Rev.
1	500055-116	1	ENGINE ENCLOSURE WELDMENT ANGLE	
2	200047-024	2	GROMMET, 3/8	
3	200080-015	15	RUBBER BUMPER	
4	200119-004	2	DRAW LATCH	
5	200128-002	1	CLIP 3/8	
6	500055-098	1	GRILL	
7	500055-101	1	HINGE	
8	500055-110	1	FRONT WELDMENT	
9	500055-111	1	REAR WELDMENT	
10	200006-105	1	BALL JOINT LINKAGE, 5/16X9/16	
11	500055-115	1	ENGINE ENCLOSURE WELDMENT ANGLE	
12	700134-230	1	ENGINE ENCLOSURE, FORMED PANEL	
13	700134-175	1	COVER PLATE	
14	700134-180	1	PIN MOUNTING PLATE	
15	700134-181	1	GROMMET MOUNTING PLATE	
16	700134-183	2	MOUNTING PIN	
17	700134-184	1	STAYROD BRACKET	
18	700134-186	1	STAYROD	
19	700134-222	1	TOP HOOD PLATE	
20	700134-223	1	FORMED BRACKET	
21	700134-224	1	RIGHT DOOR PLATE	
22	700134-229	1	WASHER FLUID BRACKET	
23	500055-113	1	ENGINE ENCLOSURE WELDMENT BRACKET	
24	700134-232	1	ENGINE ENCLOSURE ANGLE	



FRAME & ATTACHING PARTS

Figure 1-5 Sliding Platform Assembly - Triplex



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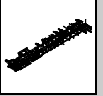
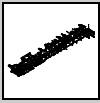


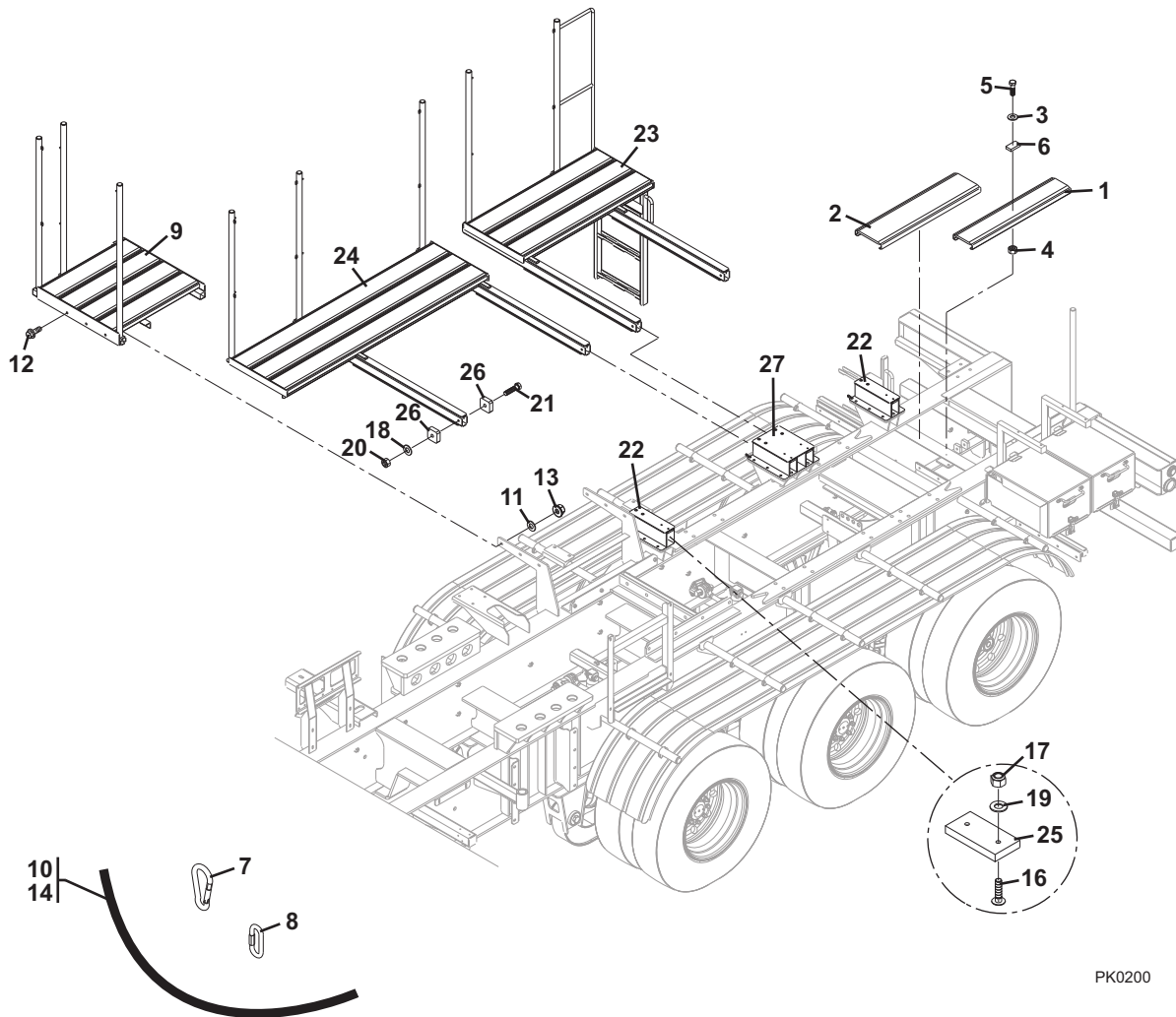
Figure 1-5 Sliding Platform Assembly - Triplex

Item	Part Number	Qty.	Description	Rev.
1	700066-116	1	GRIP STRUT, REAR WALKWAY	
2	700066-115	2	GRIP STRUT, REAR WALKWAY	
3	200105-012	18	FLAT WASHER, 5/16	
4	200049-002	18	HEX LOCKNUT, NYLOK, 5/16-18	
5	200042-018	18	CARRIAGE BOLT, 5/16-18X2-1/2	
6	200042-017	18	GRIP STRUT, HOLD DOWN	
7	C99-10312-00	2	CHAIN HOOK, 5/16	
8	C99-00646-00	2	CHAIN QUICK CONNECT, 1/4	
9	500090-015	1	MOUNTED PLATFORM	
10	3594T91		CHAIN	
11	200105-006	6	FLAT WASHER, 1/2	
12	200039-157	6	HEX HD CAP SCREW, 1/2-20X3-1/2	
13	200001-110	6	HEX FLANGE NUT, STOVER, 1/2-20	
14	100040-051		NYLON HOSE	
16	200048-001	16	FLAT HD MACHINE SCREW, 1/4-20X1	
17	200049-001	16	HEX LOCK NUT, NYLOK, 1/4-20	
18	200105-006	4	FLAT WASHER, 1/2	
19	200108-001	16	FLAT WASHER, 1/4	
20	200117-008	4	HEX LOCKNUT, 1/2-13	
21	200181-518	4	HEX HD CAP SCREW, 1/2-13X4-1/2	
22	500090-018	4	PLATFORM MOUNTING WELDMENT	
23	500090-022	1	SLIDING PLATFORM, LADDER	
24	500090-023	1	SLIDING PLATFORM	
25	700066-078	8	PLATFORM SLIDE	
26	700066-079	8	PLATFORM SLIDE STOP	



FRAME & ATTACHING PARTS

Figure 1-6 Sliding Platform Assembly - Quintuplex



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FRAME & ATTACHING PARTS

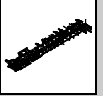


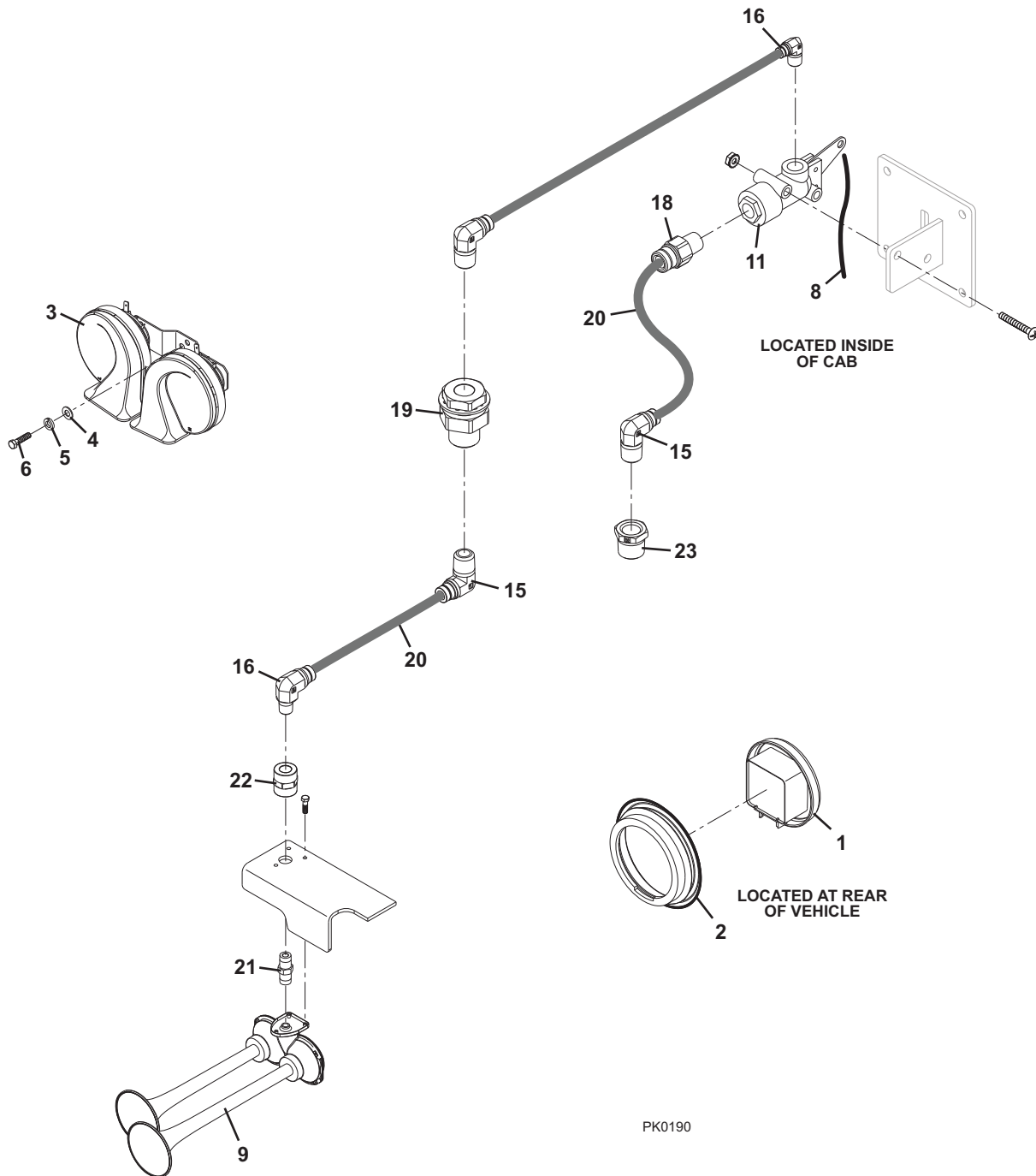
Figure 1-6 Sliding Platform Assembly - Quintuplex

Item	Part Number	Qty.	Description	Rev.
1	700066-116	1	GRIP STRUT, REAR WALKWAY	
2	700066-115	2	GRIP STRUT, REAR WALKWAY	
3	200105-012	18	FLAT WASHER, 5/16	
4	200049-002	18	HEX LOCKNUT, NYLOK, 5/16-18	
5	200042-018	18	CARRIAGE BOLT, 5/16-18X2-1/2	
6	200042-017	18	GRIP STRUT, HOLD DOWN	
7	C99-10312-00	2	CHAIN HOOK, 5/16	
8	C99-00646-00	2	CHAIN QUICK CONNECT, 1/4	
9	500090-015	1	MOUNTED PLATFORM	
10	3594T91		CHAIN	
11	200105-006	6	FLAT WASHER, 1/2	
12	200039-157	6	HEX HD CAP SCREW, 1/2-20X3-1/2	
13	200001-110	6	HEX FLANGE NUT, STOVER, 1/2-20	
14	1 00040-051		NYLON HOSE	
16	200048-001	16	FLAT HD MACHINE SCREW, 1/4-20X1	
17	200049-001	16	HEX LOCK NUT, NYLOK, 1/4-20	
18	200105-006	4	FLAT WASHER, 1/2	
19	200108-001	16	FLAT WASHER, 1/4	
20	200117-008	4	HEX LOCKNUT, 1/2-13	
21	200181-518	4	HEX HD CAP SCREW, 1/2-13X4-1/2	
22	500090-018	2	PLATFORM MOUNTING WELDMENT	
23	500090-022	1	SLIDING PLATFORM, LADDER	
24	500090-023	1	SLIDING PLATFORM	
25	700066-078	8	PLATFORM SLIDE	
26	700066-079	8	PLATFORM SLIDE STOP	
27	500090-019	1	PLATFORM MOUNTING WELDMENT	



FRAME & ATTACHING PARTS

Figure 1-7 Horn and BackUp Alarm Assembly



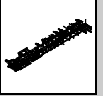


Figure 1-7 Horn and BackUp Alarm Assembly

Item	Part Number	Qty.	Description	Rev.
1	300069-004	1	BACK-UP ALARM	
2	300028-904	1	LAMP GROMMET	
3	300070-004	1	ELECTRIC HORN	
4	200108-001	2	FLAT WASHER, 1/4, 18-8	
5	200054-001	2	LOCKWASHER, 1/4	
6	200039-101	2	HEX HD CAPSCREW, 1/4-20X3/4	
8	300192-001	1	LANYARD	
9	300070-003	1	AIR HORN	
11	200061-014	1	AIR HORN VALVE	
13	200039-106	3	HEX HD CAPSCREW, 1/4-20X1-1/2	
15	200018-001	2	ELBOW, 90 DEGREES, 1/4 NPT X -4 AB	
16	200017-001	1	ELBOW, 90 DEGREES, 1/8 NPT X -4 JIC	
17	200012-103	1	STRAIGHT CONNECTOR, 1/4 NPT X -6 AB	
18	200012-101	2	STRAIGHT CONNECTOR, 1/8 NPT X -4 AB	
19	200010-001	1	ANCHOR COUPLING, 1/4 NPT	
20	100001-004	20 ft	NYLON AIR TUBE, 1/4 SILVER	
21	200025-004	1	STRAIGHT ADAPTER, 1/8 NPT	
22	200013-001	1	STRAIGHT ADAPTER, 1/8 NPT X 1/8 NPT	
23	200025-202	1	BUSHING ADAPTER, 3/8 NPT X 1/4 NPT	

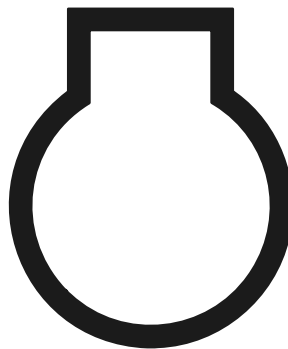


FRAME & ATTACHING PARTS

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SECTION 2

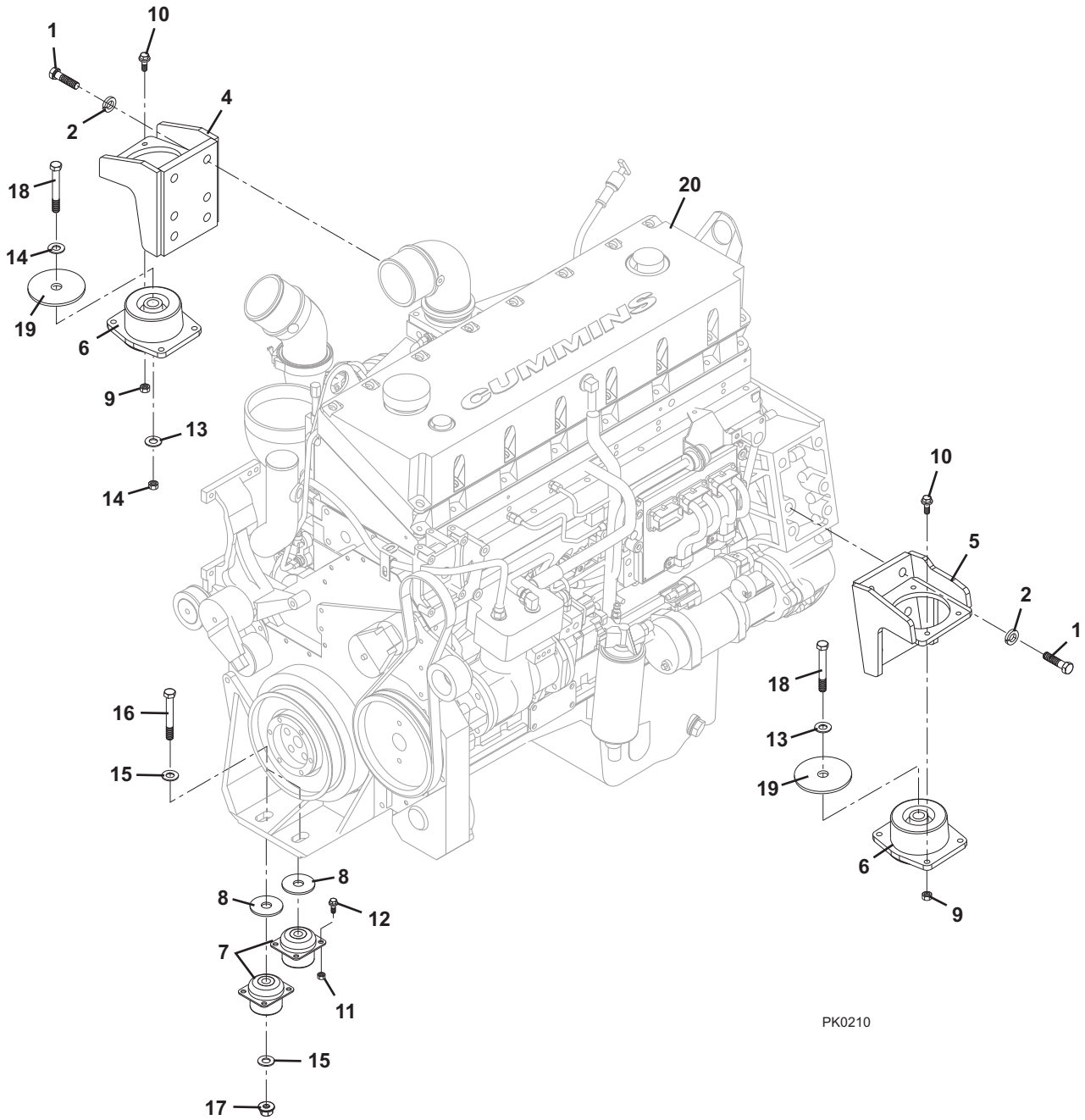
ENGINE & ATTACHING PARTS





ENGINE & ATTACHING PARTS

Figure 2-1 Engine Installation



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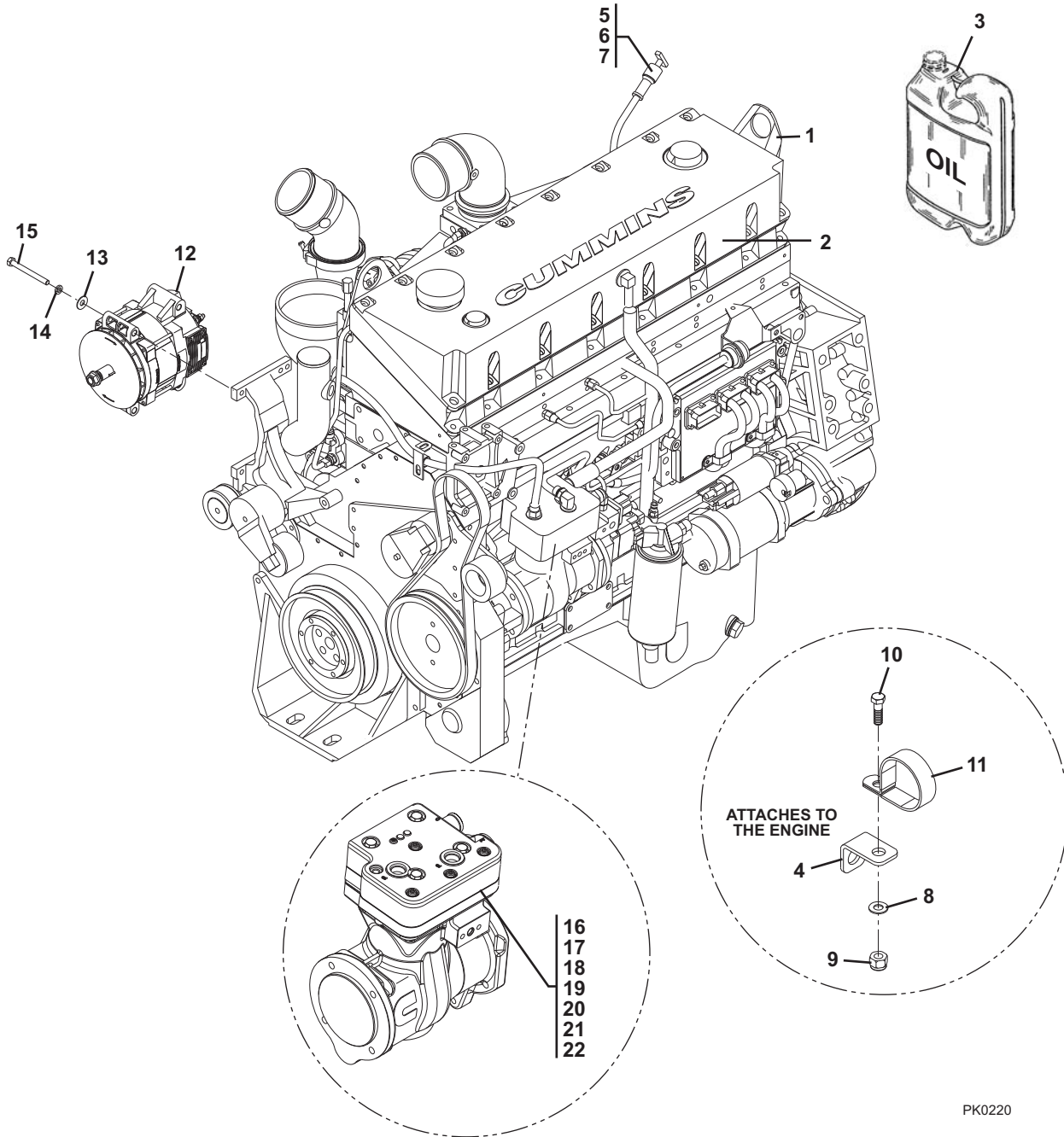
Figure 2-1 Engine Installation

Item	Part Number	Qty.	Description	Rev.
1	200039-204	12	HEX HD CAPSCREW, M16-2X40MM, GR10.9	
2	200054-003	12	LOCKWASHER, 5/8	
4	500011-032	1	REAR ENGINE WELDMENT, RH	
5	500011-031	1	REAR ENGINE WELDMENT, LH	
6	200080-127	2	RUBBER ISOLATOR, FLANGED MOUNTING, 1500 LB	
7	200080-126	2	RUBBER ISOLATOR, FLANGED MOUNTING, 540 LB	
8	700042-127	2	WASHER, 15/16X5X1/4	
9	200106-019	8	NUT, 3/8-16, GR8, (rear mount)	
10	200180-306	8	FLANGE HD CAPSCREW, 3/8-16X1-1/2, GR8, (rear mount)	
11	200106-004	8	NUT, 1/2-20, GR8, (front mount)	
12	200180-556	8	FLANGE HD CAPSCREW, 1/2-20X1-1/2, GR8, (front mount)	
13	200086-003	4	WASHER, 7/8	
14	200040-101	2	HEX NUT, 1/7-14, GR8	
15	200105-009	4	WASHER, 3/4, GR8	
16	200039-108	2	HEX HD CAPSCREW, 3/4-16X4, GR8	
17	200001-114	2	FLANGE NUT, 3/4-16, GR8	
18	200181-872	2	HEX HD CAPSCREW, 7/8-14X5-1/2, GR8	
19	200055-118	2	FLAT WASHER, 3/4X3	
20		Ref	ENGINE ASSY, (see Figure 2-2 for details)	



ENGINE & ATTACHING PARTS

Figure 2-2 Engine Assembly



PK0220



Figure 2-2 Engine Assembly

Item	Part Number	Qty.	Description	Rev.
1	700042-104	1	LIFTING PLATE	
2	300005-017	1	ENGINE, QSM 400HP, 2007 EPA/CARB	
3	100091-001	9 gl	ENGINE OIL, 15 W/40	
4	700503-012	1	ABS CABLE CLAMP MOUNTING ANGLE	
5	300072-013	1	OIL GAUGE TUBE	
6	300072-012	1	DIPSTICK	
7	300072-011	1	DIPSTICK RETAINER	
8	200105-005	1	WASHER, 1/4	
9	200049-001	1	LOCKNUT, NYLOK, 1/4-20, GR2	
10	200039-001	1	HEX HD CAPSCREW, 1/4-20X3/4, GR5	
11	200008-009	1	LOOP CLAMP, 1/2 DIA	
12	300112-005	1	ALTERNATOR, 160 AMP	
13	200105-010	4	WASHER, 3/8, GR8	
14	200054-005	4	LOCKWASHER, 3/8	
15	200039-221	4	HEX HD CAPSCREW, M10-1.5X100MM, GR10.9	
16	300074-011	1	REFRIGERANT, R134a	
17	200039-211	4	HEX HD CAPSCREW, M8-1.25X100MM, GR8.8	
18	200105-012	4	WASHER, 5/16, GR8	
19	200106-003	4	HEX NUT, 3/8-16, GRC	
20	200039-010	4	HEX HD CAPSCREW, 3/8-16X1, GR5	
21	200151-011	1	FITTING, 1-14 FEMAL, #8	
22	200151-012	1	FITTING, 1-14 FEMALE, #10	



ENGINE & ATTACHING PARTS

Figure 2-3 Fan Drive Assembly

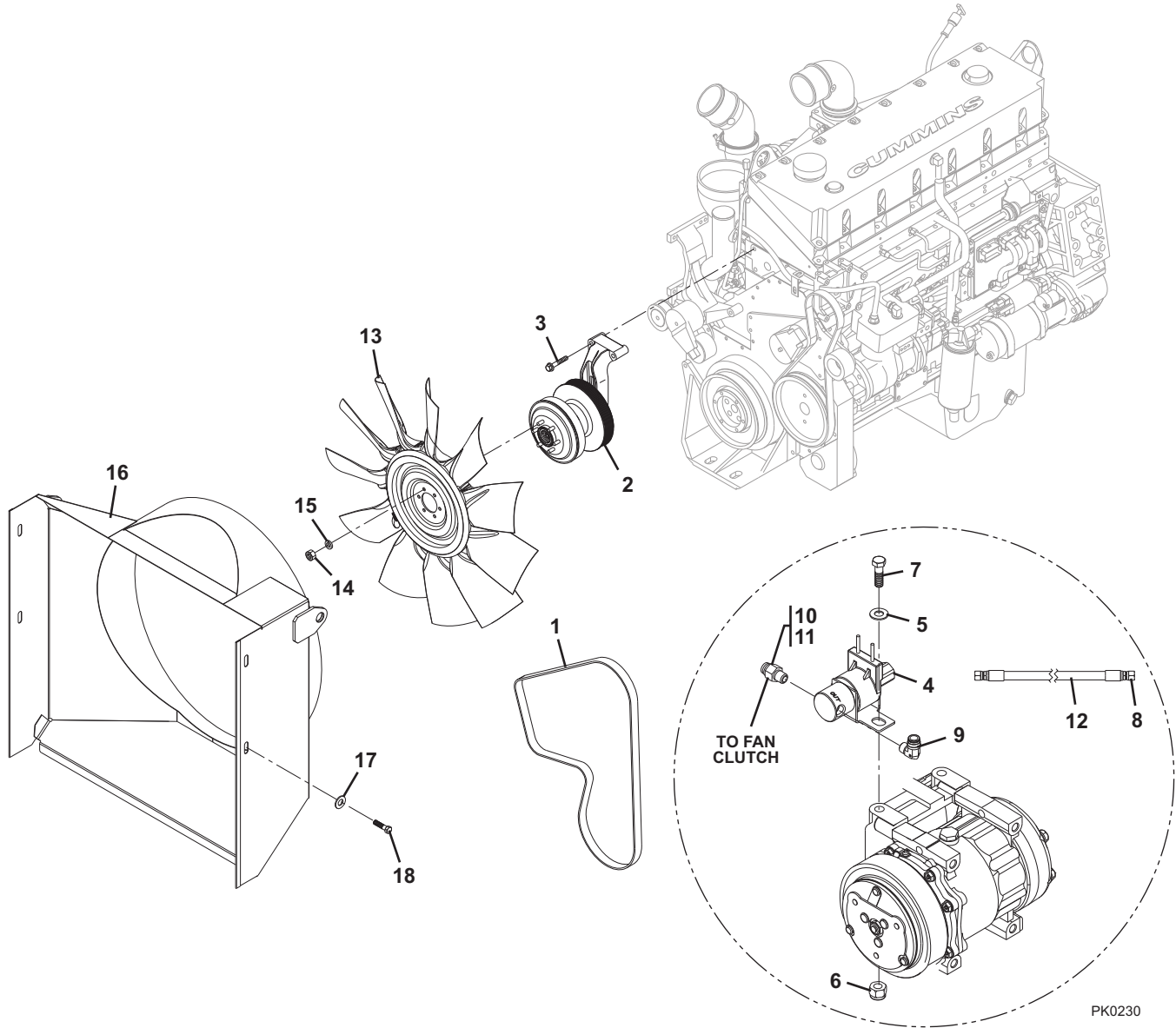




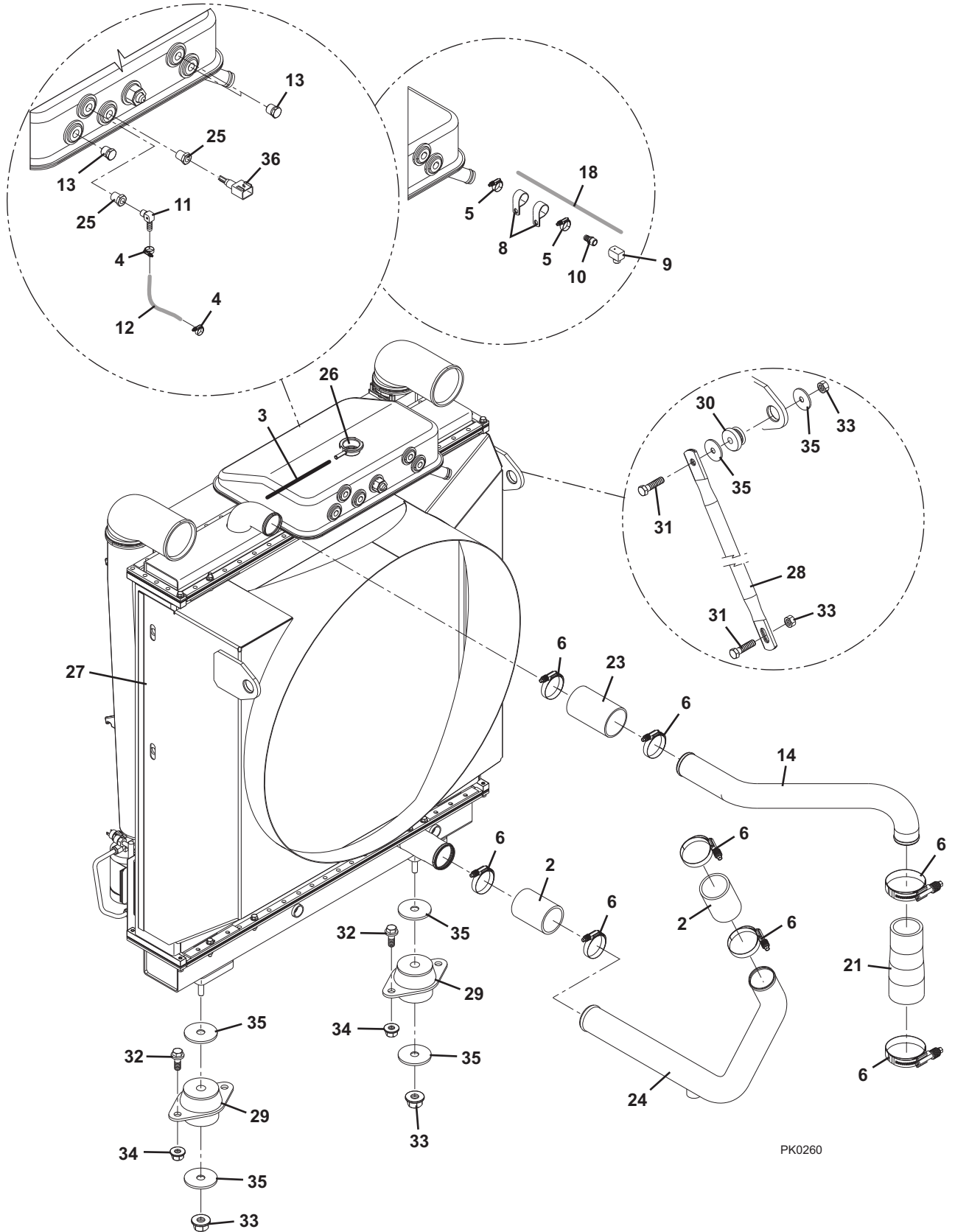
Figure 2-3 Fan Drive Assembly

Item	Part Number	Qty.	Description	Rev.
1	300128-018	1	ENGINE BELT, 69.5	
2	300054-116	1	FAN CLUTCH	
3	200182-514	3	FLANGE HD CAPSCREW, M12-1.75X70MM, GR10.9	
4	300054-109	1	SOLENOID VALVE	
5	200105-012	1	WASHER, 5/16, GR8	
6	200049-002	1	LOCKNUT, NYLOK, 5/16-18, GR2	
7	200039-004	1	HEX HD CAPSCREW, 5/16-18X1, GR5	
8	200030-406	2	HOSE END	
9	200017-001	2	ELBOW, 90 DEGREES, 1/8 NPT X -4 JIC	
10	200012-003	1	STRAIGHT CONNECTOR, 1/4 NPT X -4 JIC	
11	200012-001	1	STRAIGHT CONNECTOR, 1/8 NPT X -4 JIC	
12	100002-001	11 ft	PUSH-LOK HOSE ASSY, 1/4	
13	300054-021	1	SUCTION FAN, 34 DIA	
14	200106-002	6	HEX NUT, 3/8-24, GR8	
15	200054-005	6	LOCKWASHER, 3/8	
16	500033-323	1	FAN SHROUD WELDMENT	
17	200105-006	4	WASHER, 1/2, GR8	
18	200039-053	4	HEX HD CAPSCREW, 1/2-13X1-1/4, GR8	



ENGINE & ATTACHING PARTS

Figure 2-4 Radiator Assembly



PK0260



Figure 2-4 Radiator Assembly

Item	Part Number	Qty.	Description	Rev.
2	700065-070	2	COOLANT HOSE, 2-1/2 DIA X 4	
3	100066-004	3 ft	RUBBER HEATER HOSE, 3/8	
4	200004-001	2	HOSE CLAMP, 9/16 THRU 1-1/16	
5	200004-006	2	HOSE CLAMP, 1-3/8 THRU 1-9/16	
6	200004-009	8	HOSE CLAMP, 2-1/4 THRU 3-1/8	
8	200008-019	2	SUPPORT HOSE CLAMP, 1-1/8	
9	200012-312	1	STREET ELBOW, 90 DEGREES, 3/4 NPT	
10	200022-003	1	STRAIGHT CONNECTOR, 3/4 NPT X 3/4 HOSE BARB	
11	200022-004	1	ELBOW, 90 DEGREES, 1/4 NPT X -6 HOSE BARB	
12	100002-001	3 ft	PUSH-LOK HOSE ASSY, 1/4	
13	200027-102	3	HEX HD PIPE PLUG, 1/2 NPT	
14	700065-095	1	COOLANT TUBE, (engine outlet)	
18	200094-302	5 ft	HEATER HOSE, 3/4	
21	300166-107	1	COOLANT HOSE, REDUCER, 2-1/2X2-1/4	
23	300166-127	4.2 ft	COOLANT HOSE, 3-1/4 X 36	
24	700065-140	1	COOLANT TUBE, (engine inlet)	
25	200025-206	2	BUSHING ADAPTER, 1/2 NPT X 1/4 FEMALE NPT	
26	100095-001	6 gl	ANTIFREEZE	
27	600006-006	1	RADIATOR	
28	700094-018	2	STAY ROD RADIATOR, 19-1/4"	
29	200080-128	2	RUBBER ISOLATOR, FLANGED MOUNTING, TWO BOLT, 330 LB	
30	200080-102	2	RUBBER ISOLATOR	
31	200039-028	4	HEX HD CAPSCREW, 1/2-13X1-1/2, GR8	
32	200180-304	4	HEX FLANGE HD CAPSCREW, 3/8-16 X 1 LG, GR8	
33	200001-109	6	FLANGE NUT, STOVER, 1/2-13, GRG	
34	200001-105	4	FLANGE NUT, 3/8-16, GRG	
35	C39-50175-02	8	WASHER, TYPE B, 1/2	
36	300058-026	1	COOLANT LEVEL SENSOR	



ENGINE & ATTACHING PARTS

Figure 2-5 Charge Air Cooler Assembly

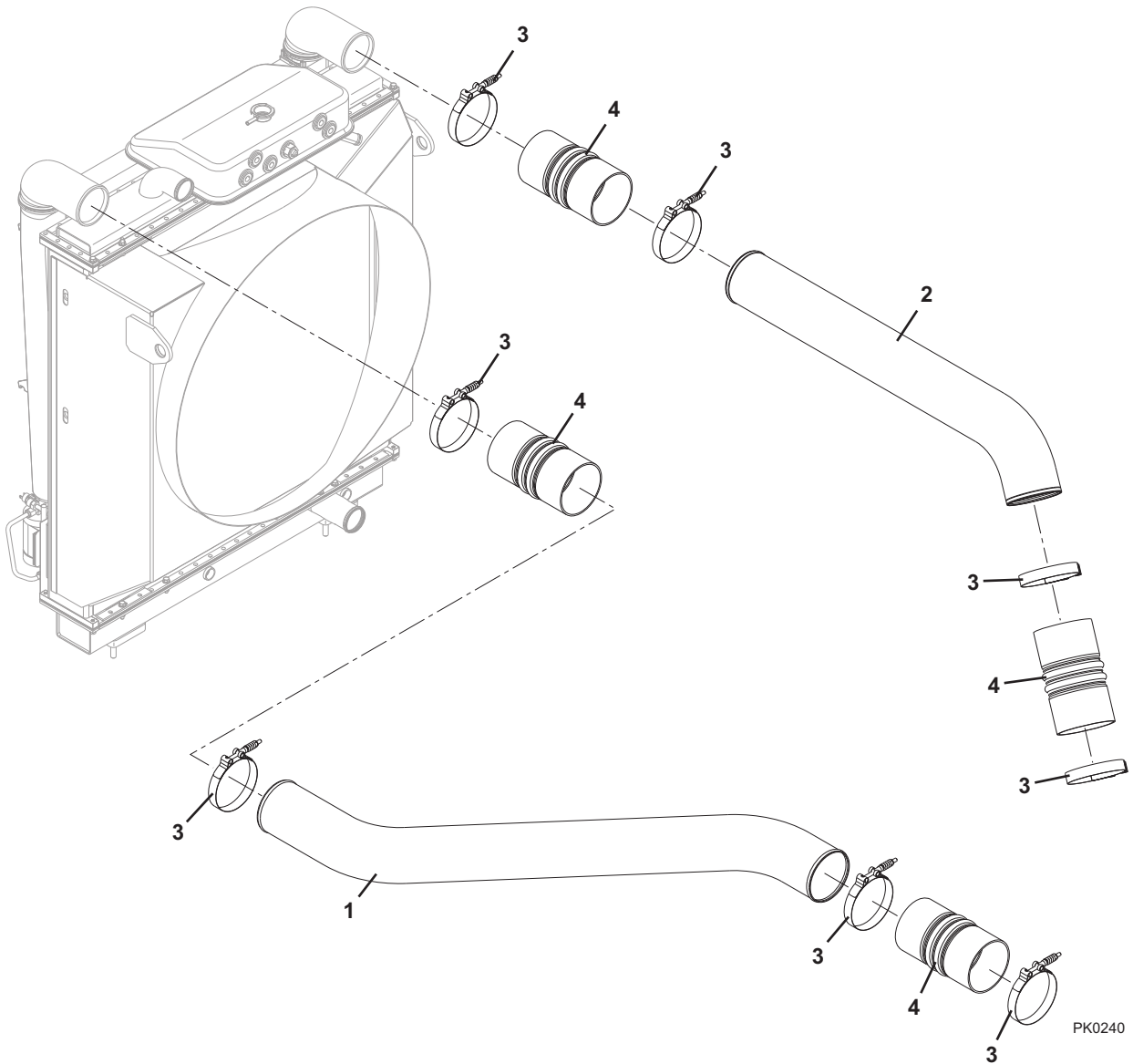




Figure 2-5 Charge Air Cooler Assembly

Item	Part Number	Qty.	Description	Rev.
1	700065-138	1	CHARGE AIR TUBE, (engine inlet)	
2	700065-139	1	CHARGE AIR TUBE, (engine outlet)	
3	200004-101	8	HOSE CLAMP	
4	200043-001	4	AIR INTAKE HUMP	



ENGINE & ATTACHING PARTS

Figure 2-6 Air Cleaner Assembly

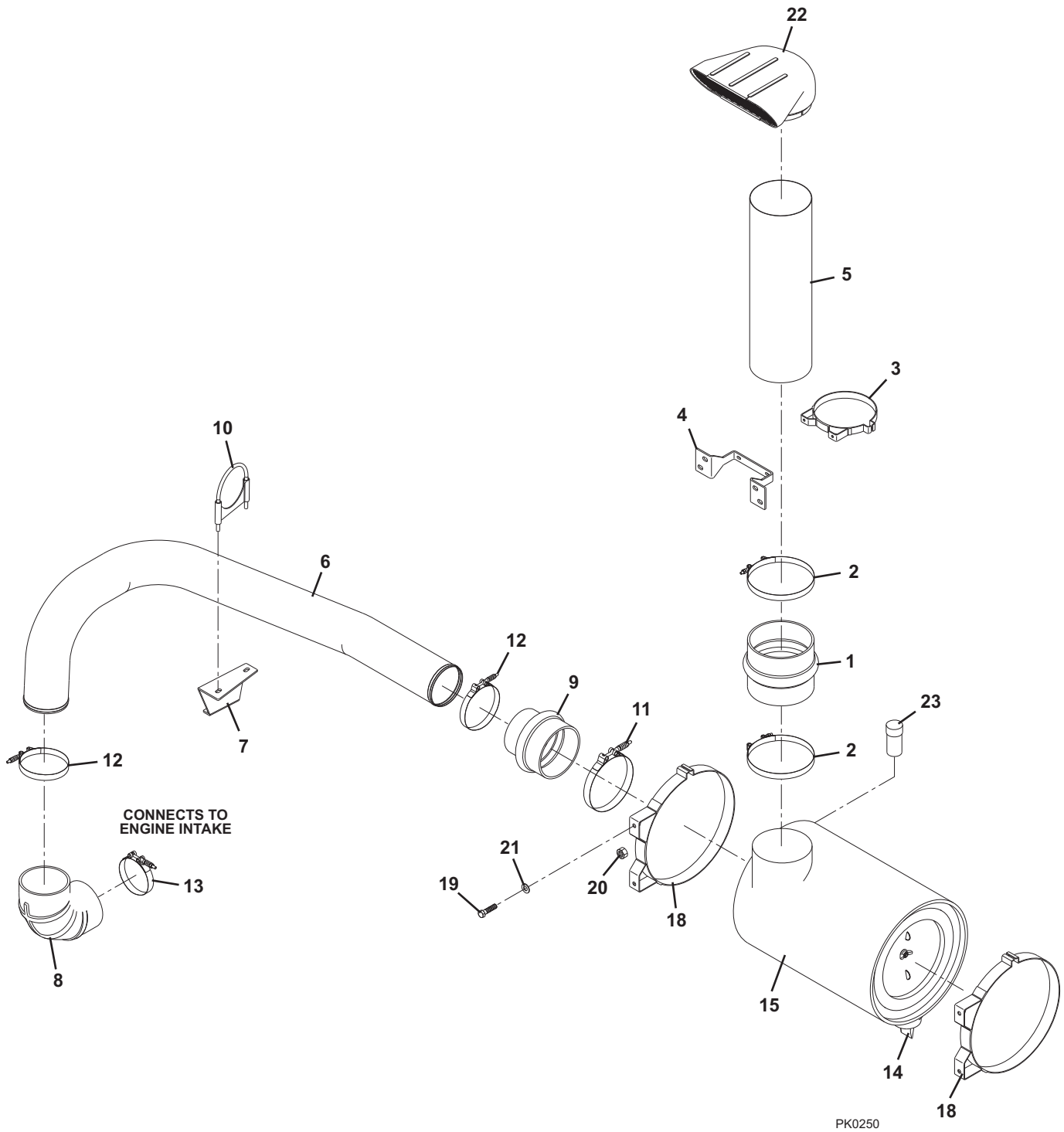




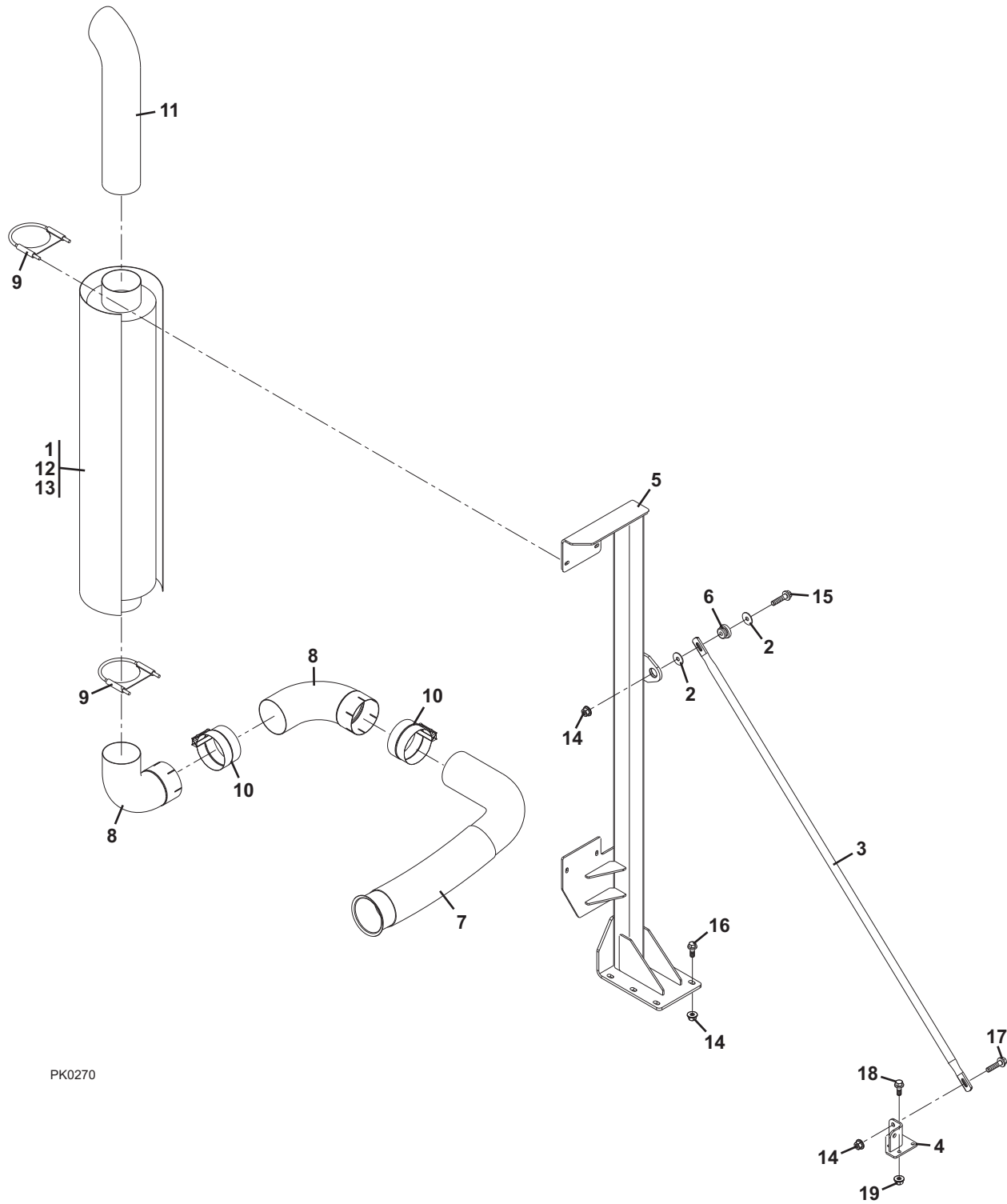
Figure 2-6 Air Cleaner Assembly

Item	Part Number	Qty.	Description	Rev.
1	200043-004	1	AIR INTAKE HUMP	
2	200004-204	2	T-BAR CLAMP, 7 DIA	
3	300101-109	1	MOUNTING BAND	
4	700207-021	1	TUBE MOUNTING BRACKET	
5	700065-090	1	TUBE, 7 DIA	
6	700065-091	1	AIR CLEANER TO ENGINE TUBE	
7	700043-006	1	FORMED BRACKET PLATE	
8	200043-010	1	ELBOW, 90 DEGREES, 5 DIA	
9	200043-020	1	AIR INTAKE REDUCER HUMP	
10	200004-241	1	GUILLOTINE CLAMP, 5"	
11	200004-203	1	T-BAR CLAMP, 6 DIA	
12	200004-201	2	T-BAR CLAMP, 5 DIA	
13	200004-101	1	HOSE CLAMP, 4 DIA	
14	300101-201	1	VACUATOR VALVE	
15	300101-012	1	AIR CLEANER, TWO-STAGE	
18	300101-103	2	AIR CLEANER MOUNTING BAND	
19	200181-405	4	HEX HD CAPSCREW, 7/16-14X1-1/4, GR8	
20	200117-001	8	LOCKNUT, 7/16-14, GRC	
21	200055-111	16	WASHER, 7/16	
22	300100-001	1	RAM AIR INLET HOOD	
23	300043-003	1	AIR RESTRICTION GAUGE	



ENGINE & ATTACHING PARTS

Figure 2-7 Exhaust Assembly



PK0270



Figure 2-7 Exhaust Assembly

Item	Part Number	Qty.	Description	Rev.
1	300104-017	1	MUFFLER, 9X51	
2	C39-50175-02	2	FLAT WASHER, 1/2	
3	700094-022	1	STAY ROD, 66-3/4	
4	500051-011	1	BRACKET	
5	500036-031	1	EXHAUST STAND	
6	200080-102	1	RUBBER ISOLATOR, 1-3/4X17/32	
7	500036-322	1	EXHAUST TUBE	
8	200095-003	2	ELBOW, 90 DEG, 5 DIA	
9	200004-241	2	GUILLOTINE CLAMP, 5 DIA	
10	200004-231	2	EXHAUST CLAMP, 5 DIA	
11	200095-713	1	STACK PIPE, CROME, 5X24	
12	200095-817	1	EXHAUSE SHIELD CLAMP KIT, 9X3/4	
13	200095-816	1	EXHAUSE SHIELD, 48 LG	
14	200001-110	8	NUT, HEX FLG, STOVER, 1/2-20, GR G, ZINC PL	
15	200180-560	1	HEX FLG HD CAP SCR, 1/2-20 X 2-1/2 LG, GR 8, ZINC	
16	200180-557	6	HEX FLG HD CAP SCR, 1/2-20 X 1-3/4 LG, GR 8, ZINC	
17	200180-556	6	HEX FLG HD CAP SCR, 1/2-20 X 1-1/2 LG, GR 8, ZINC	
18	200180-304	4	HEX FLG HD CAP SCR, 3/8-16 X 1 LG, GR 8, ZINC PL	
19	200001-105	4	NUT, HEX FLG, STOVER, 3/8-16, GR G, ZINC PL	



ENGINE & ATTACHING PARTS

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SECTION 3 DRIVE TRAIN

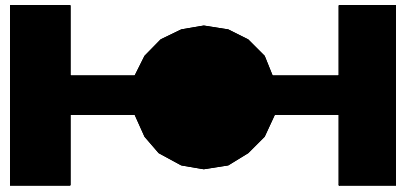
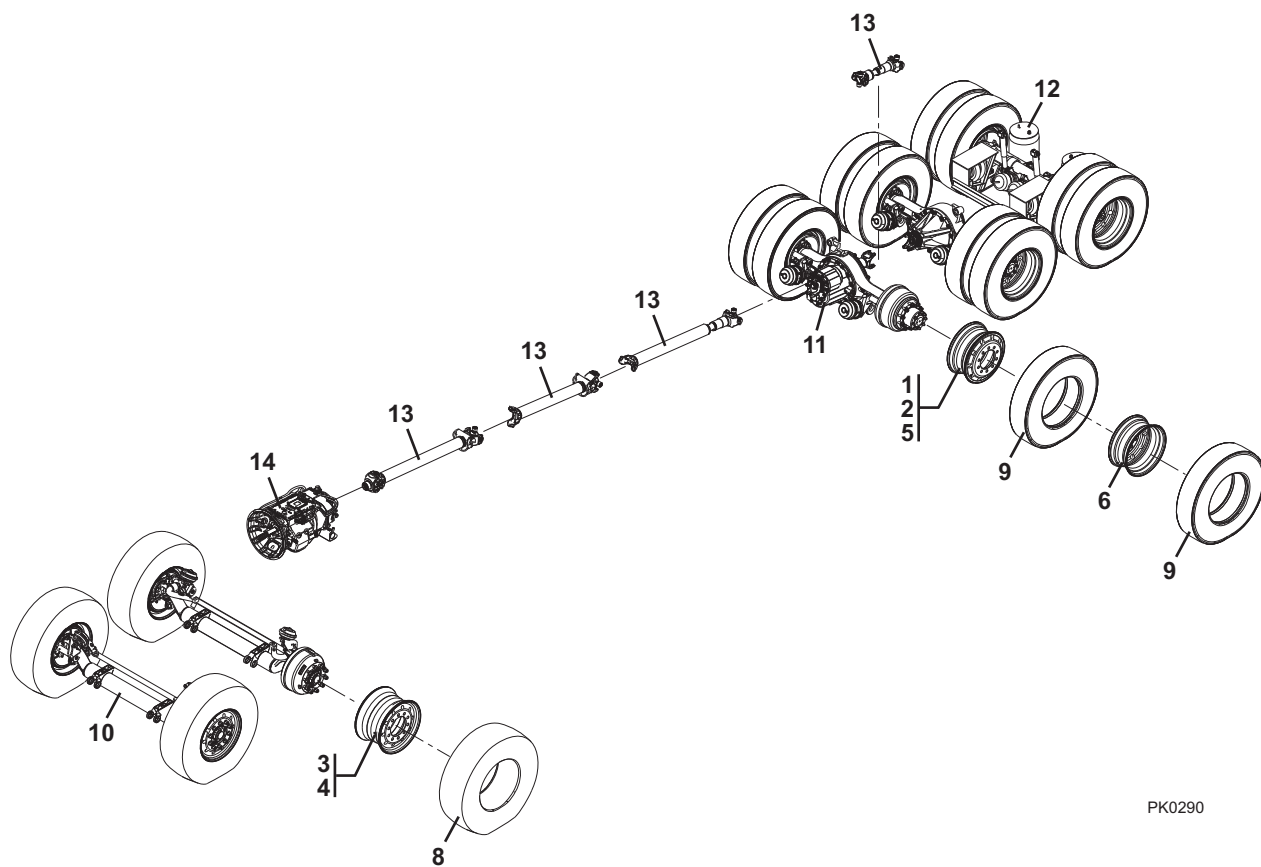




Figure 3-1 Drivetrain Installation



PK0290

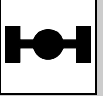
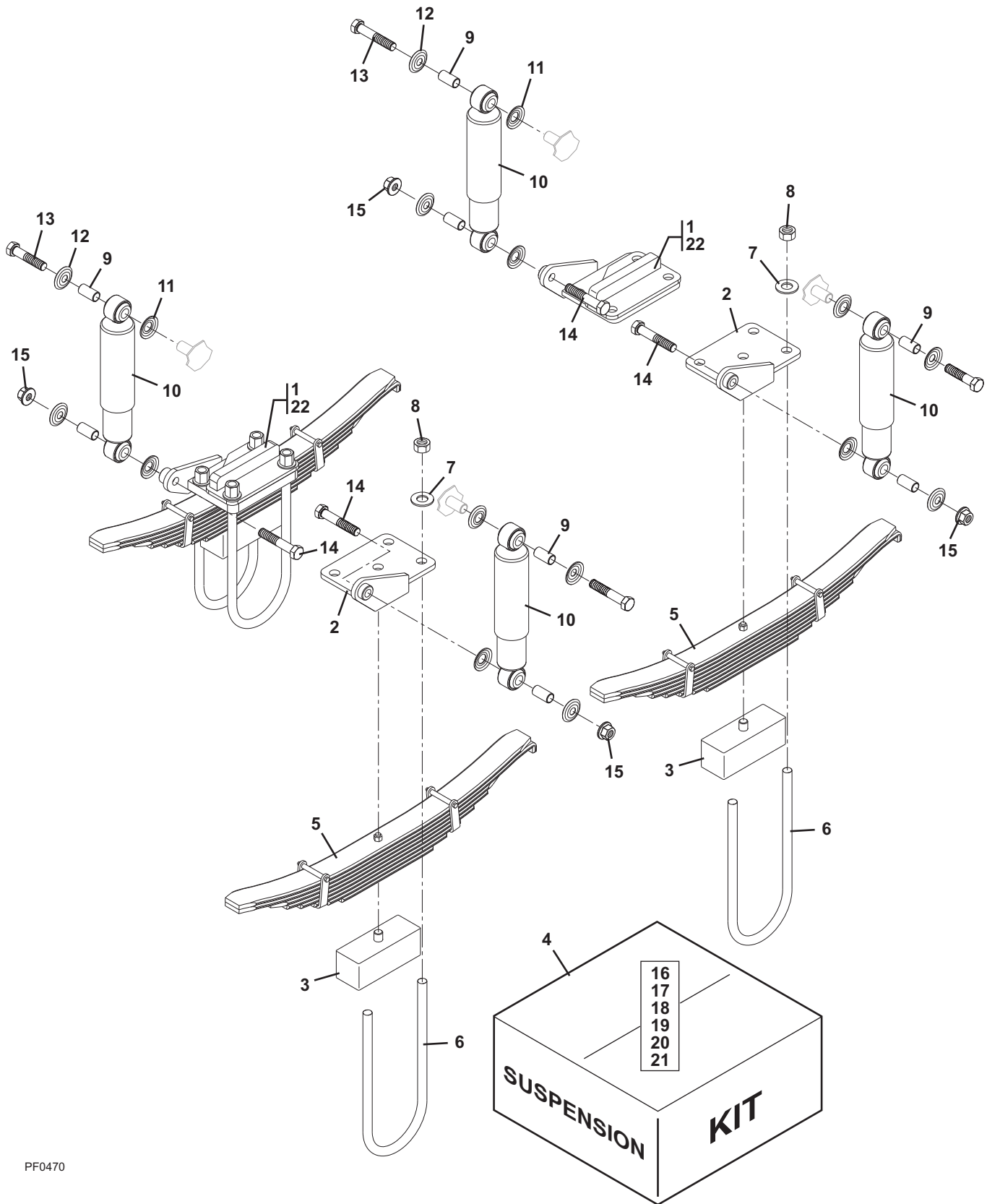


Figure 3-1 Drivetrain Installation

Item	Part Number	Qty.	Description	Rev.
1	200061-918	6	VALVE EXTENSION, 5-1/2	
2	200061-919	6	VALVE STEM STABILIZER EXTENSION, 2	
3	300148-008	4	WHEEL INSULATOR, 10 HOLE	
4	300148-136	4	WHEEL, 22.5 X 12.25, 4.75 INSET, HUB PILOT, ALUM, POLISH OUT	
5	300148-138	6	WHEEL, 22.5 X 9.00, 7.00 OFFSET, HUB PILOT, ALUM,POL INSIDE	
6	300148-137	6	WHEEL, 22.5 X 9.00, 7.00 OFFSET, HUB PILOT, ALUM,NON-POLISH	
8	300130-042	4	TIRE, 425/65R22.5, GDYR G296MSA	
9	300130-005	12	TIRE, 12R22.5, 16PLY, GDYR G177	
10		Ref	FRONT AXLE ASSY, (see Figure 3-3 for details)	
11		Ref	REAR AXLE ASSY, (see Figure 3-6 for details)	
12		Ref	AUXILARY AXLE ASSY, (see Figure 3-8 for details)	
13		Ref	DRIVE SHAFT ASSY, (see Figure 3-10 for details)	
14		Ref	TRANSMISSION ASSY, (see Figure 3-9 for details)	



Figure 3-2 Front Axle Suspension Assembly



PF0470

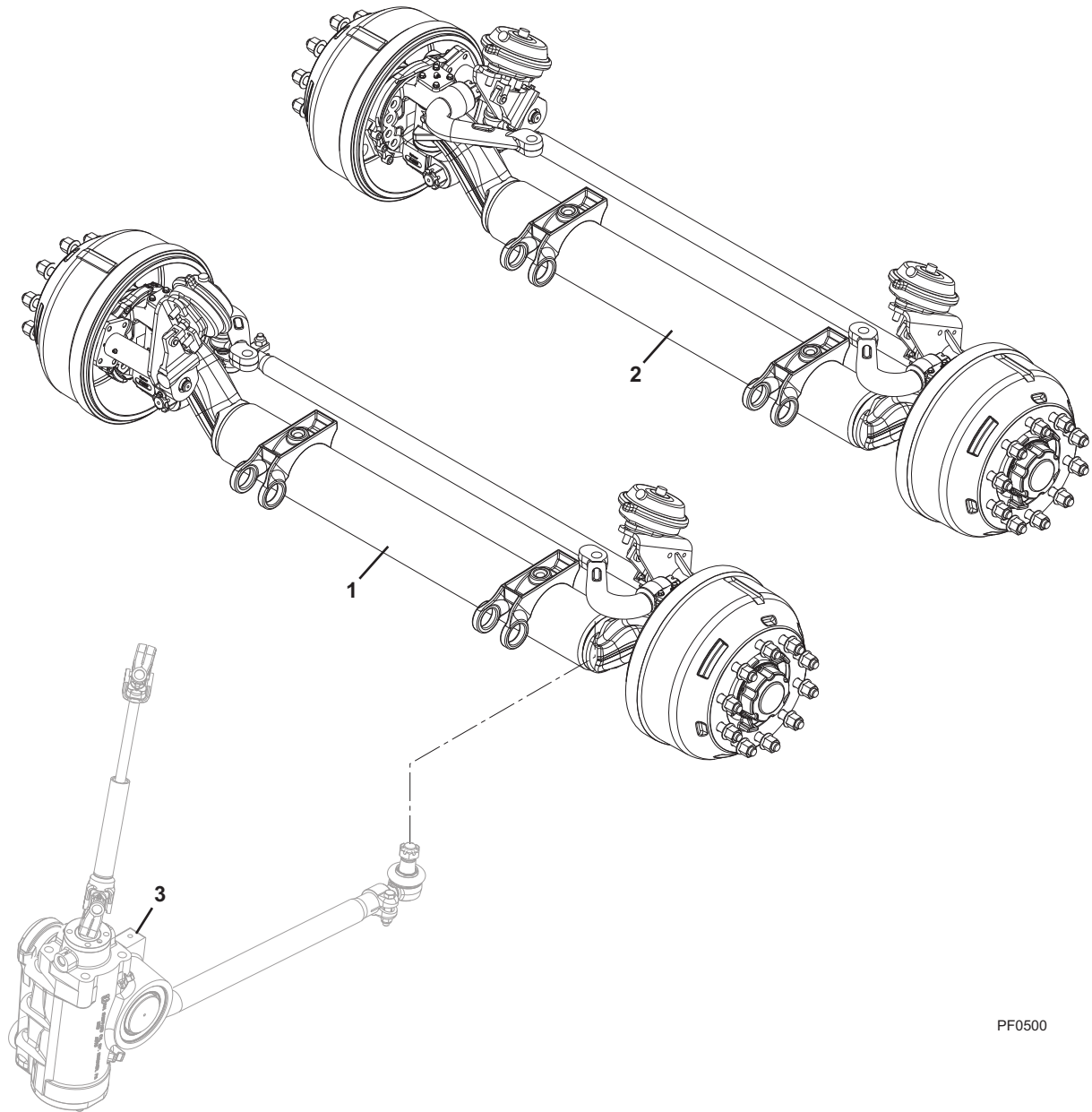


Figure 3-2 Front Axle Suspension Assembly

Item	Part Number	Qty.	Description	Rev.
1	500038-024	2	SPRING CLIP WELDMENT, RH	
2	500038-023	2	SPRING CLIP WELDMENT, LH	
3	500007-009	4	SPRING SPACER WELDMENT	
4	300144-145	2	SUSPENSION TORQUE ARM KIT, (includes items 201 thru 206)	
5	300144-144	4	LEAF SPRING, 11,000 LB	
6	300144-136	8	U-BOLT, 6-3/8X 16-3/4 X 7/8-14, GR8	
7	200086-003	16	WASHER, 7/8	
8	200040-101	16	HEX NUT, 7/8-14, GR8	
9	700017-007	8	SHOCK ABSORBER SLEEVE	
10	300055-001	4	FRONT SHOCK	
11	200090-002	8	SHOCK WASHER, 1	
12	200090-001	8	SHOCK WASHER, 3/4	
13	200039-109	4	HEX HD CAPSCREW, 3/4-16X3-1/2, GR8	
14	200039-019	4	HEX HD CAPSCREW, 3/4-16X5, GR8	
15	200001-001	4	FLANGE NUT, 3/4-16, GRG	
16	900002-514	4	BUSHING & HARDWARE KIT	
		2	FLANGE NUT, 1-14 UNS, GRF	
		4	WASHER, 1X2-3/4, 1/4	
		2	HEX BOLT, 1-14 UNS, 7", G5	
		4	TORQUE ARM BUSHING	
17	900002-515	1	SPRING ROLLER & HARDWARE KIT	
		4	SPRING ROLLER	
		4	HEX NUT, 1/2-20 UNF, GRB	
		4	HELI SPRING WASHER, 1/2X7/8	
		4	HEX BOLT, 1/2-20 UNF, 4.75"	
18	900002-516	1	RIGID TORQUE ARM, 21-9/16"	
19	900002-517	1	ADJUSTABLE TORQUE ARM ASSY, 16-1/4"	
20	900002-518	1	RIGID TORQUE ARM, 16-1/4"	
21	900002-519	1	ADJUSTABLE TORQUE ARM ASSY, 21"	
22	500041-113	2	AXLE STOP	



Figure 3-3 Front Axle Assembly



PF0500

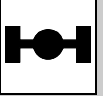
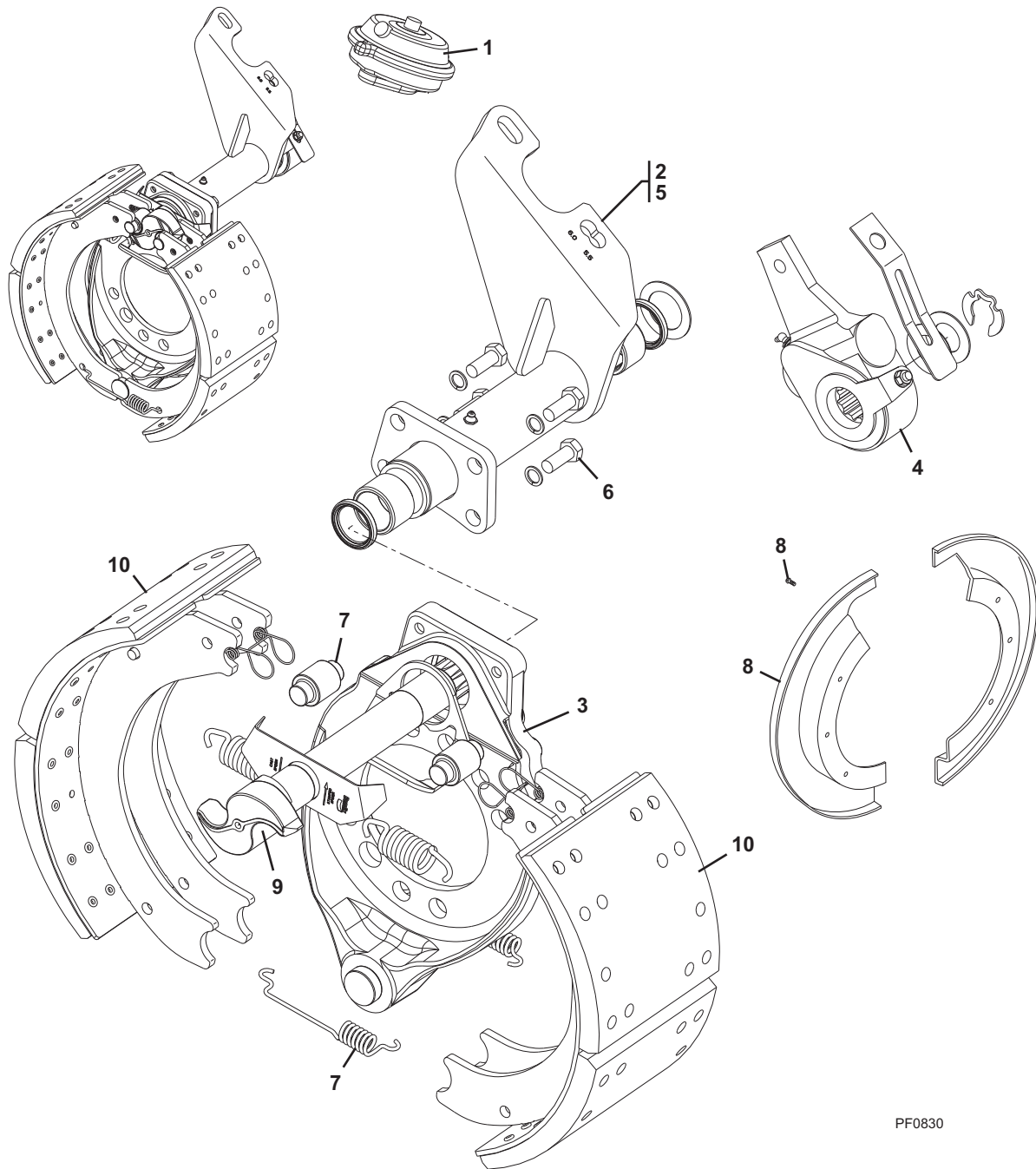


Figure 3-3 Front Axle Assembly

Item	Part Number	Qty.	Description	Rev.
1	300142-018	1	STEER AXLE, 24K, ABS (First Steer Axle)	
2	300142-019	1	STEER AXLE, 24K, NO ABS (Second Steer Axle)	
3		Ref	STEERING COMPONENTS, (see Figure 6-2 for details)	



Figure 3-4 Front Steer Axle - Brake Assembly



PF0830

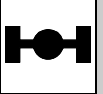
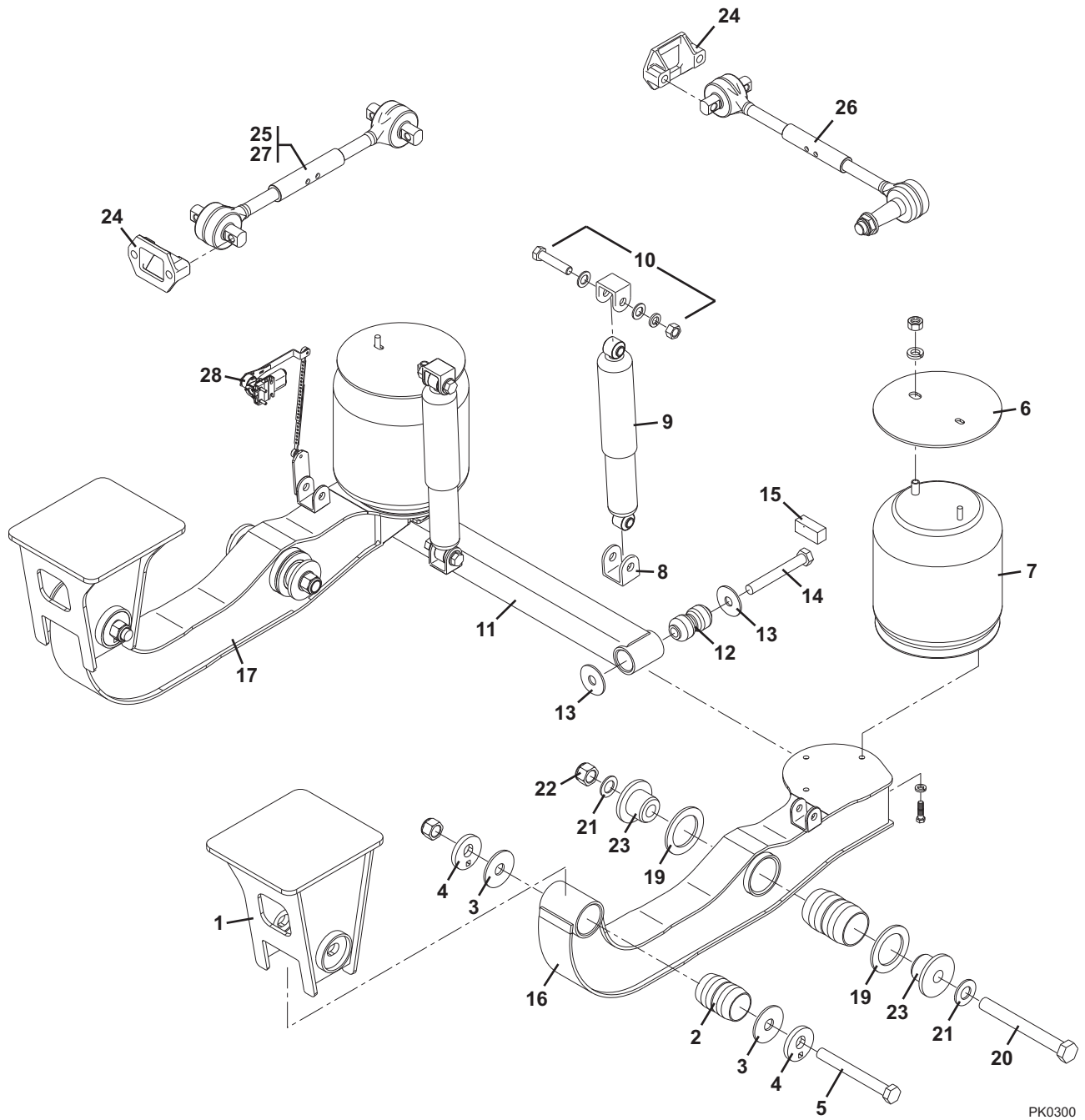


Figure 3-4 Front Steer Axle - Brake Assembly

Item	Part Number	Qty.	Description	Rev.
	900002-630	1	LH FRONT BRAKE ASSY, (First Steer Axle), (includes items 1 thru 10)	
	900002-577	1	RH FRONT BRAKE ASSY, (First Steer Axle), (includes items 1 thru 10)	
1	900002-628	1	AIR CHAMBER, (not shown)	
2	900001-469	1	BRACKET, LH	
	900002-451	1	BRACKET, RH	
3	900001-466	1	SPIDER & PIN ASSY, LH	
	900002-450	1	SPIDER & PIN ASSY, RH	
4	900002-528	1	SLACK ADJUSTER	
5	900002-529	1	ANCHOR BRACKET	
6	900001-475	1	HARDWARE MODULE	
7	900001-473	1	ROLLER/SPRING MODULE	
8	900001-945	1	DUSTSHIELD MODULE	
9	900001-471	1	CAMSHAFT, LH	
	900001-472		CAMSHAFT, RH	
10	900002-629	2	SHOE & LINING ASSY	
	900002-593	1	LH FRONT BRAKE ASSY, (Second Steer Axle), (includes items 1 thru 10)	
	900002-594	1	RH FRONT BRAKE ASSY, (Second Steer Axle), (includes items 1 thru 10)	
1	900002-628	1	AIR CHAMBER, (not shown)	
2	900002-631	1	BRACKET, LH	
	900002-451	1	BRACKET, RH	
3	900002-632	1	SPIDER & PIN ASSY, LH	
	900002-450	1	SPIDER & PIN ASSY, RH	
4	900002-528	1	SLACK ADJUSTER	
5	900002-529	1	ANCHOR BRACKET	
6	900001-475	1	HARDWARE MODULE	
7	900001-473	1	ROLLER/SPRING MODULE	
8	900001-945	1	DUSTSHIELD MODULE	
9	900001-471	1	CAMSHAFT, LH	
	900001-472		CAMSHAFT, RH	
10	900002-629	2	SHOE & LINING ASSY	



Figure 3-5 Rear Axle Suspension Assembly



PK0300

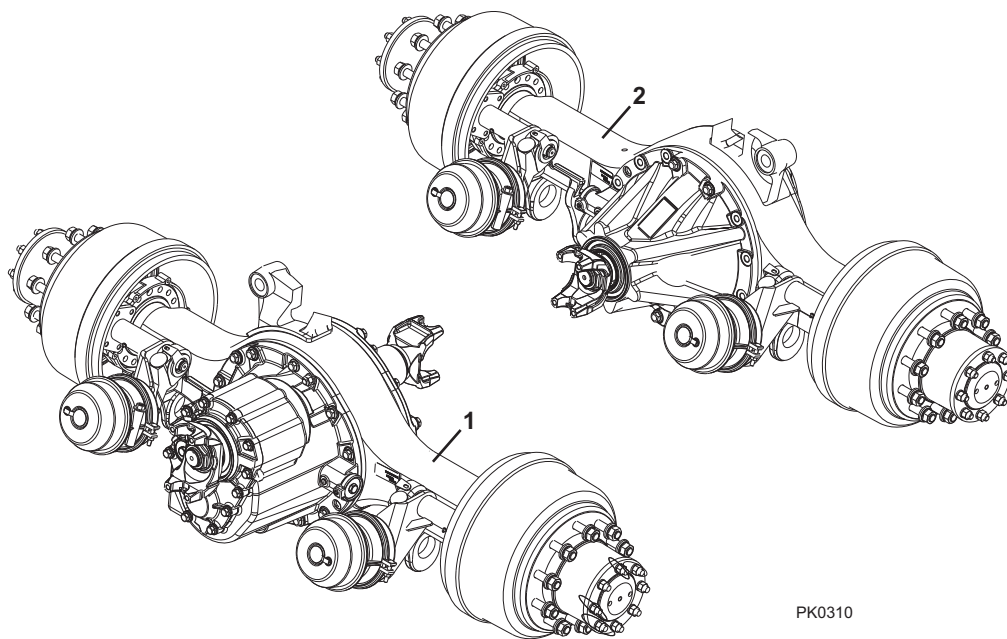


Figure 3-5 Rear Axle Suspension Assembly

Item	Part Number	Qty.	Description	Rev.
	300144-043	2	DRIVE AXLE SUSPENSION KIT, 26K, DA2600	
1	990003-338	2	HANGER ASSY, LH	
2	990003-339	2	PIVOT BUSHING, 3.5X1.25	
3	990003-340	4	FLAT WASHER, 4.25	
4	990003-341	4	PIVOT COLLAR	
5	990003-342	2	CAPSCREW, 1.12X9.75, GR8	
6	990003-343	2	UPPER BAG PLATE ASSY	
7	990003-344	2	AIR SPRING	
8	990003-345	4	SHOCK BRACKET	
9	990003-346	2	SHOCK ABSORBER	
10	900002-777	1	VERTICAL SHOCK HARWARE	
11	990003-347	1	TORQUE ARM RIGID	
12	990003-348	2	HANGER PIVOT BUSHING	
13	990003-349	4	PIVOT WASHER	
14	990003-350	2	CAPSCREW, 1X7.5, GR8	
15	990003-351	2	TORQUE ROD STIFFENER	
16	990003-352	1	ARM ASSY, LH	
17	990003-353	1	ARM ASSY, RH	
19	990003-354	4	FLAT WASHER, 4.5X3.06X.25	
20	990003-355	2	CAPSCREW, 1.12, GR8	
21	990003-356	4	FLAT WASHER, 1.12	
22	990003-357	4	LOCKNUT, 1.12-12, NYLON	
23	900003-158	4	AXLE SEAT COLLAR	
24	900001-323	4	TORQUE ROD FRAME BRACKET, 4-3/8	
25	500057-013	1	TORQUE ROD	
26	500057-015	2	TRANSVERSE ROD	
27	500057-014	1	TORQUE ROD	
28	200061-015	1	HEIGHT CONTROL VALVE KIT	



Figure 3-6 Rear Tandem Axle Assembly



PK0310

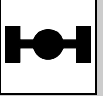
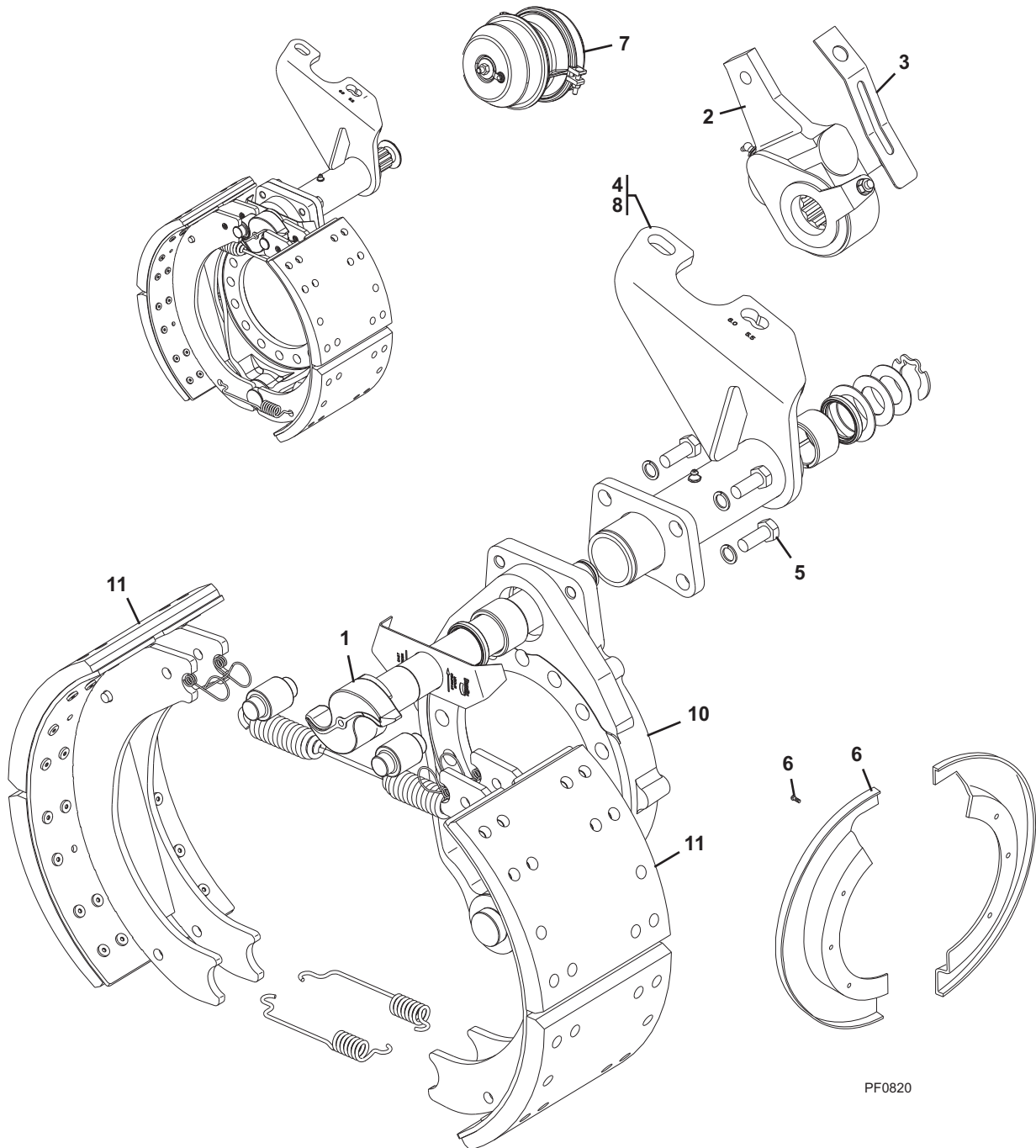


Figure 3-6 Rear Tandem Axle Assembly

Item	Part Number	Qty.	Description	Rev.
1	300146-036	1	DRIVE AXLE, FR, D52-190DP, 26K, 6.14:1 RATIO	
2	300145-036	1	DRIVE AXLE, RR, R52-190D, 26K, 6.14:1 RATIO	
	100093-001		GEAR LUBRICANT, SAE 85/140W	



Figure 3-7 Rear Drive Axle - Brake Assembly



PF0820

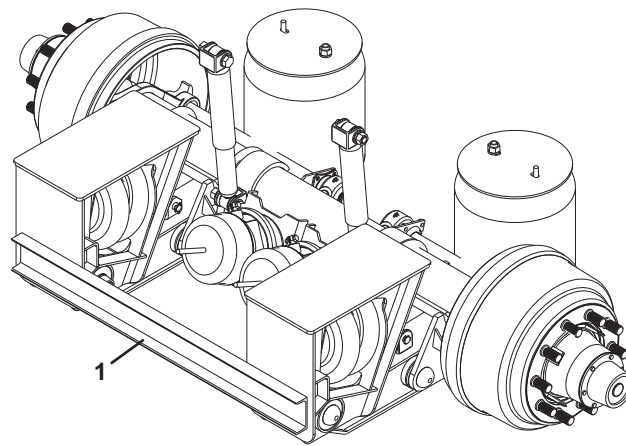


Figure 3-7 Rear Drive Axle - Brake Assembly

Item	Part Number	Qty.	Description	Rev.
	900002-602	1	LH BRAKE ASSY, (Forward-Rear Axle), (includes items 1 thru 11)	
	900002-603	1	RH BRAKE ASSY, (Forward-Rear Axle), (includes items 1 thru 11)	
1	900001-483	1	CAMSHAFT, CW, LH	
	900001-031	1	CAMSHAFT, CCW, RH	
2	900002-528	1	SLACK ADJUSTER	
3	900002-529	1	SLACK ANCHOR BRACKET	
4	900001-825	1	BRACKET ASSY, LH	
	900001-824	1	BRACKET ASSY, RH	
5	900001-475	1	HARDWARE MODULE	
6	900001-945	1	DUSTSHIELD MODULE	
7	900002-530	1	BRAKE CHAMBER, 30/30	
8	900001-806	1	SUPPORT BRACKET	
9	900001-486	1	BRAKE HARDWARE	
10	900001-030	1	SPIDER & PIN ASSY	
11	900002-531	2	SHOE & LINING ASSY	
	900002-553	1	LH BRAKE ASSY, (Rear-Rear Axle), (includes items 1 thru 11)	
	900002-554	1	RH BRAKE ASSY, (Rear-Rear Axle), (includes items 1 thru 11)	
1	900001-031	1	CAMSHAFT, CW, RH	
	900001-483	1	CAMSHAFT, CCW, LH	
2	900002-528	1	SLACK ADJUSTER	
3	900002-529	1	SLACK ANCHOR BRACKET	
4	900001-800	1	BRACKET ASSY, LH	
	900001-826	1	BRACKET ASSY, RH	
5	900001-475	1	HARDWARE MODULE	
6	900001-945	1	DUSTSHIELD MODULE	
7	900002-530	1	BRAKE CHAMBER, 30/30	
8	900001-806	1	SUPPORT BRACKET	
9	900001-486	1	BRAKE HARDWARE	
10	900001-030	1	SPIDER & PIN ASSY	
11	900002-531	2	SHOE & LINING ASSY	



Figure 3-8 Auxiliary Axle Assembly



PK0320

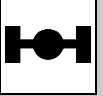
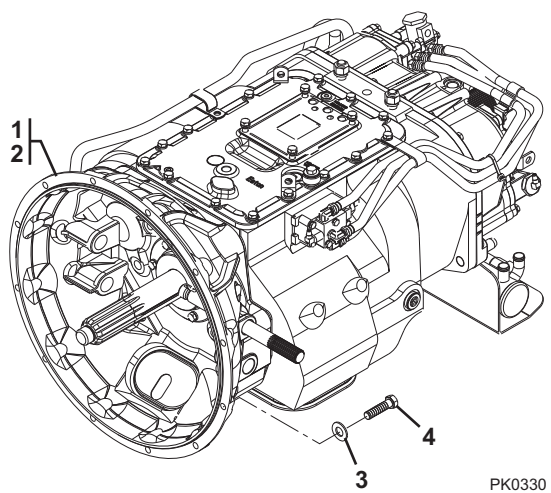


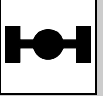
Figure 3-8 Auxiliary Axle Assembly

Item	Part Number	Qty.	Description	Rev.
1	300135-027	1	LIFT AXLE, 25K, STRAIGHTBEAM	



Figure 3-9 Transmission Assembly

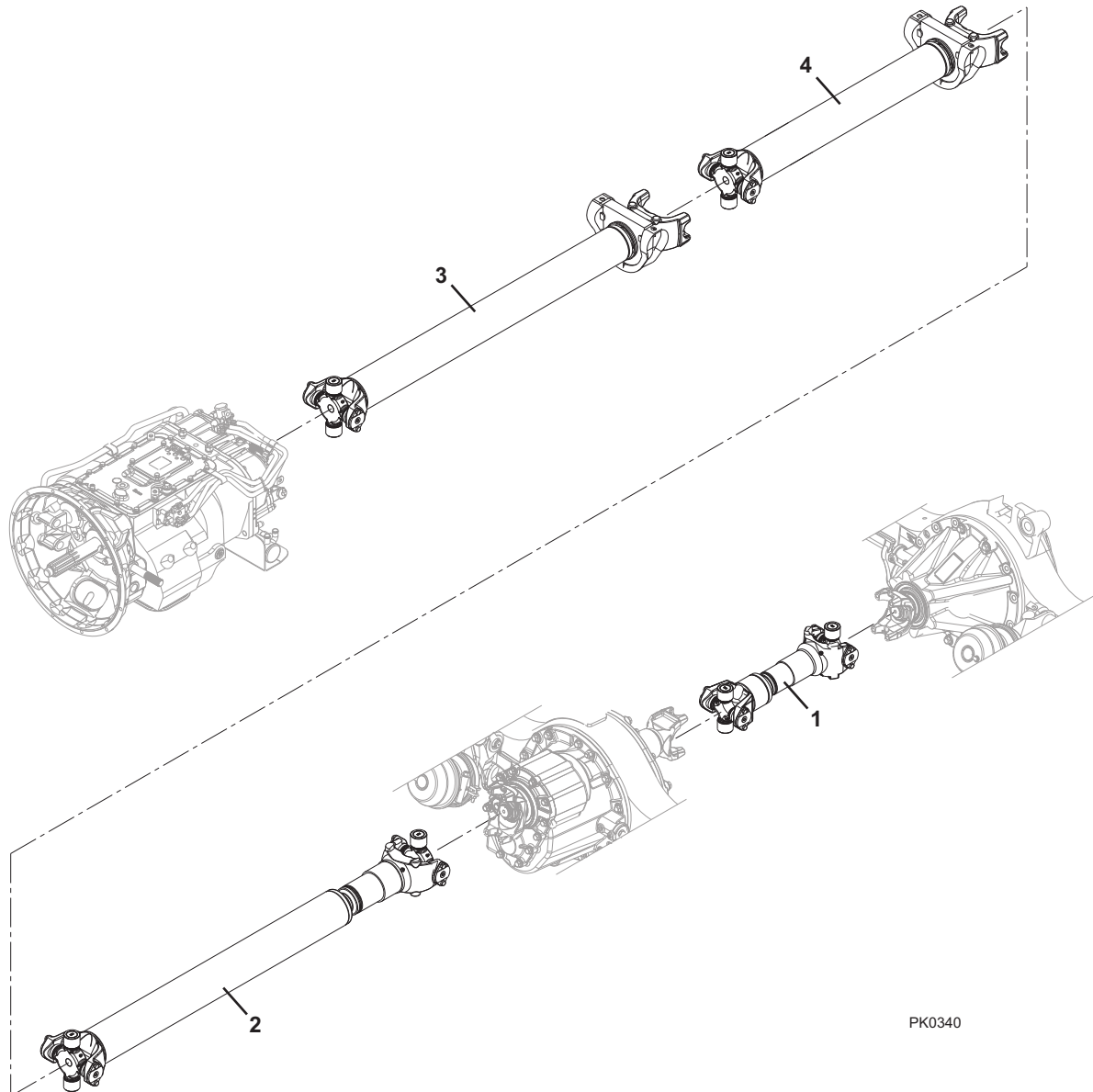


**Figure 3-9 Transmission Assembly**

Item	Part Number	Qty.	Description	Rev.
1	300094-005	1	TRANSMISSION, 18 SPD, 1650 FT-LB TORQUE	
2	100092-001		SHELL SPIRAX GSX 50 WEIGHT GEAR OIL, SYNTHETIC	
3	200055-111	12	WASHER, 7/16, gr8	
4	200039-022	12	HEX HD CAP SCREW, 7/16-14X1-1/2, GR8	



Figure 3-10 Driveshafts Assembly



PK0340

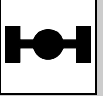
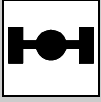


Figure 3-10 Driveshafts Assembly

Item	Part Number	Qty.	Description	Rev.
1	300117-333	1	DRIVESHAFT, 1710 SERIES, HALF ROUND	
2	300118-419	1	DRIVESHAFT, 1810 SERIES, HALF ROUND	
3	300118-212	1	COUPLESHAFT, 1810 SERIES, HALF ROUND, 56 LG	
4	300118-211	1	COUPLESHAFT, 1810, HALF ROUND, 46 LG	
5	300102-616	4	YOKE STRAP KIT, 1710/1810 SERIES	

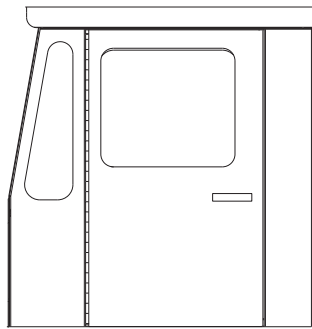


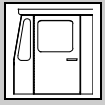
DRIVE TRAIN

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SECTION 4

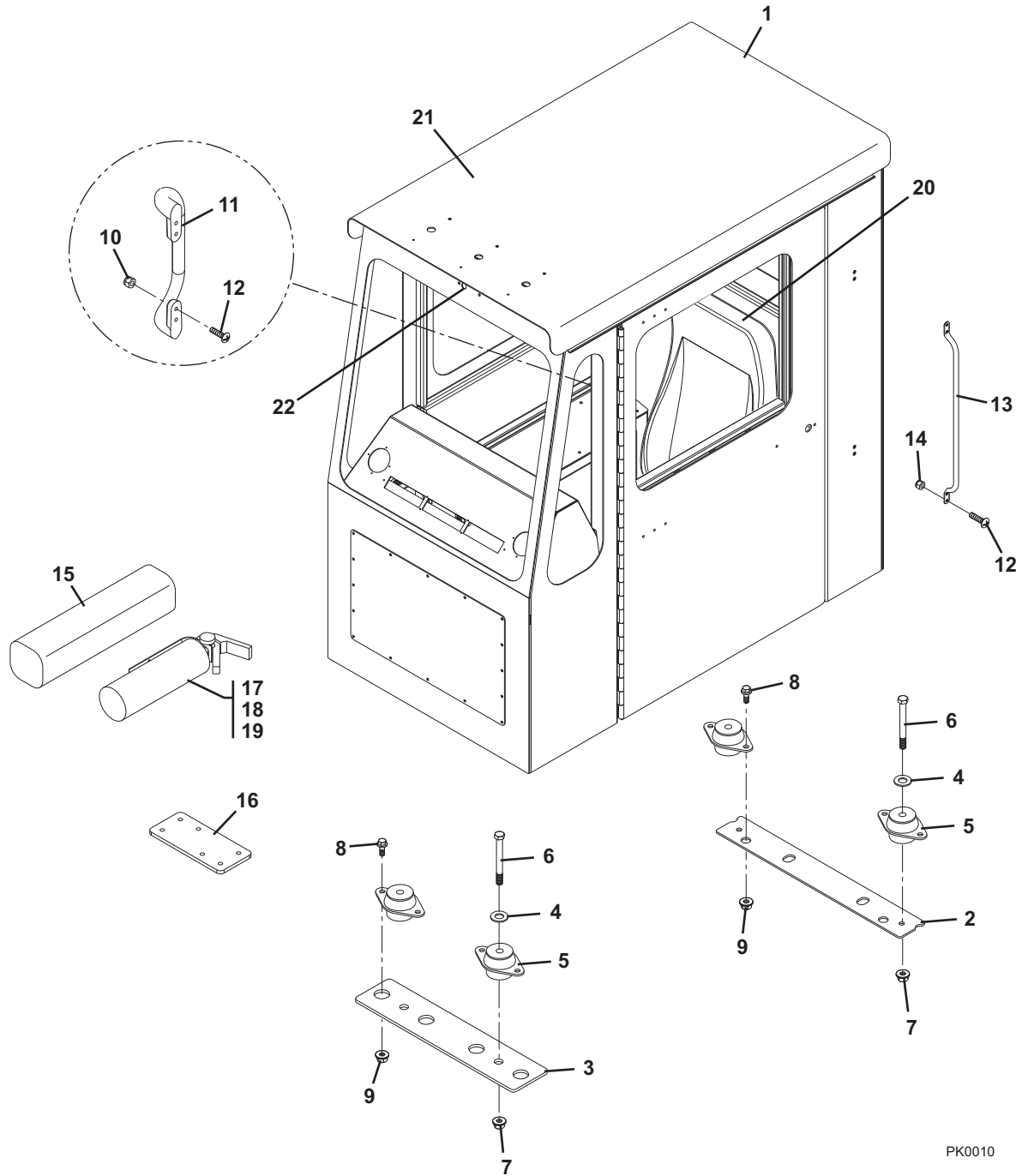
CAB





CAB

Figure 4-1 Operators Cab Installation



PK0010

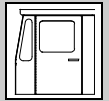


Figure 4-1 Operators Cab Installation

Item	Part Number	Qty.	Description	Rev.
1	803100-009		CAB, 1-DOOR, C3150	
2	700015-023	1	MOUNTING PLATE, REAR	
3	700015-022	1	MOUNTING PLATE, FRONT	
4	200105-006	4	FLAT WASHER, 1/2 DIA	
5	200080-137	4	RUBBER ISOLATOR	
6	200039-157	4	HEX HD CAP SCREW, 1/2-20X3-1/2	
7	200001-110	4	HEX FLANGE NUT, STOVER, 1/2-20	
8	200180-304	8	HEX FLANGE HD CAP SCREW, 3/8-16X1	
9	200001-105	8	HEX FLANGE NUT, STOVER, 3/8-16	
10	200159-001	4	ACORN NUT, 1/4-20	
11	200065-402	1	GRAB HANDLE, 11-5/8	
12	200037-008	8	TRUSS HD MACHINE SCREW, PHILLIPS, 1/4-20X1	
13	200065-305	1	GRAB HANDLE, 24	
14	200049-001	4	HEX LOCK NUT NYLOK, 1/4-20X1	
15	300092-101	1	ROAD SAFETY KIT	
16	700114-096	1	CAB PLATE	
17	300092-001	1	FIRE EXTINGUISHER	
18	200107-001	3	LOCKWASHER, EXTERNAL TOOTH, #10	
19	200038-102	3	PAN HD MACHINE SCREW, 10-32X1	
20		Ref	OPERATOR SEAT ASSY, (see Figure 4-4 for details)	
21		Ref	CAB INTERIOR INSTALLATION, (see Figure 4-5 for details)	
22		Ref	WINDSHIELD WIPER ASSY, (see Figure 4-10 for details)	

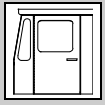
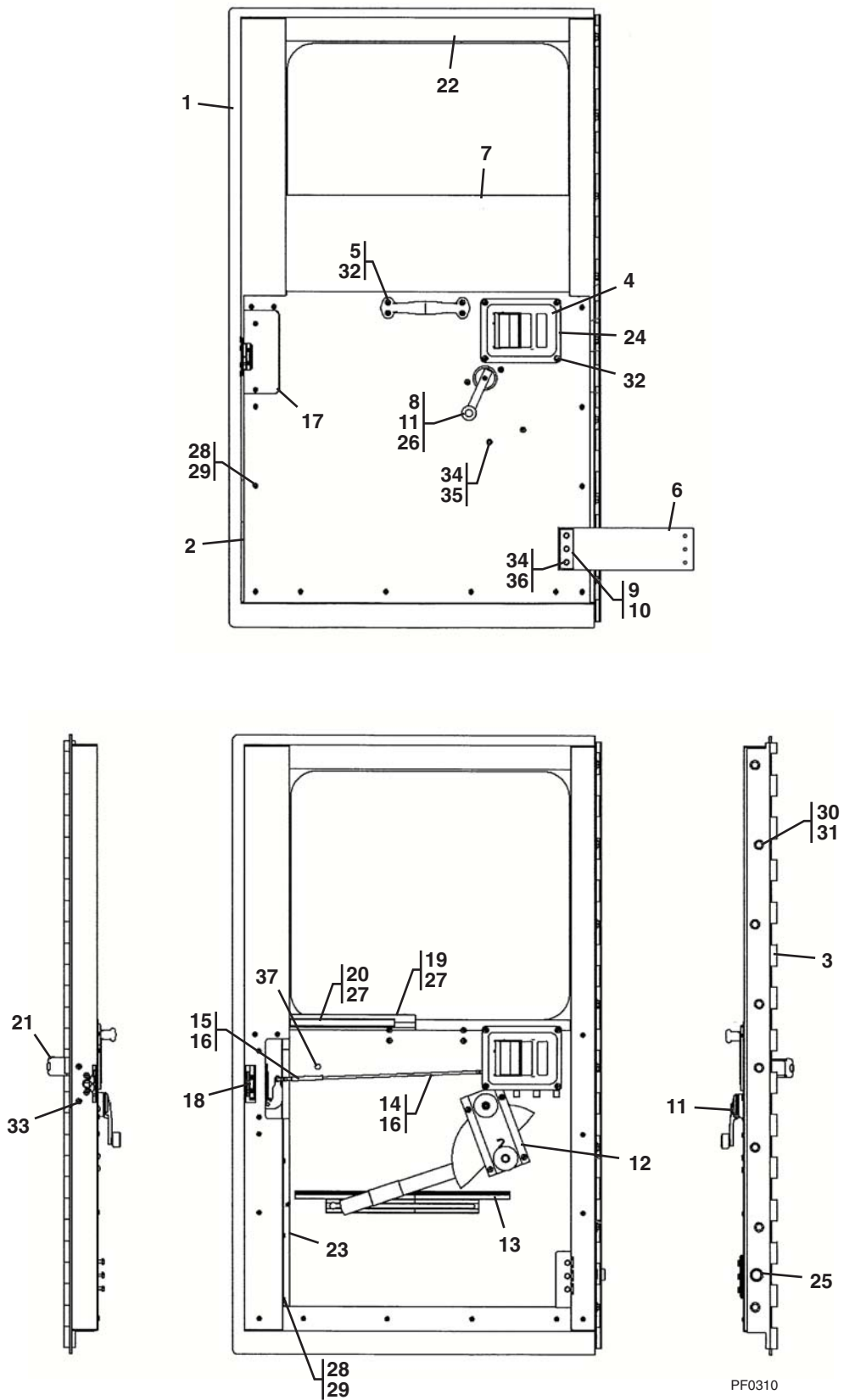


Figure 4-2 Door Assembly



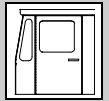
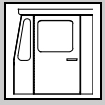


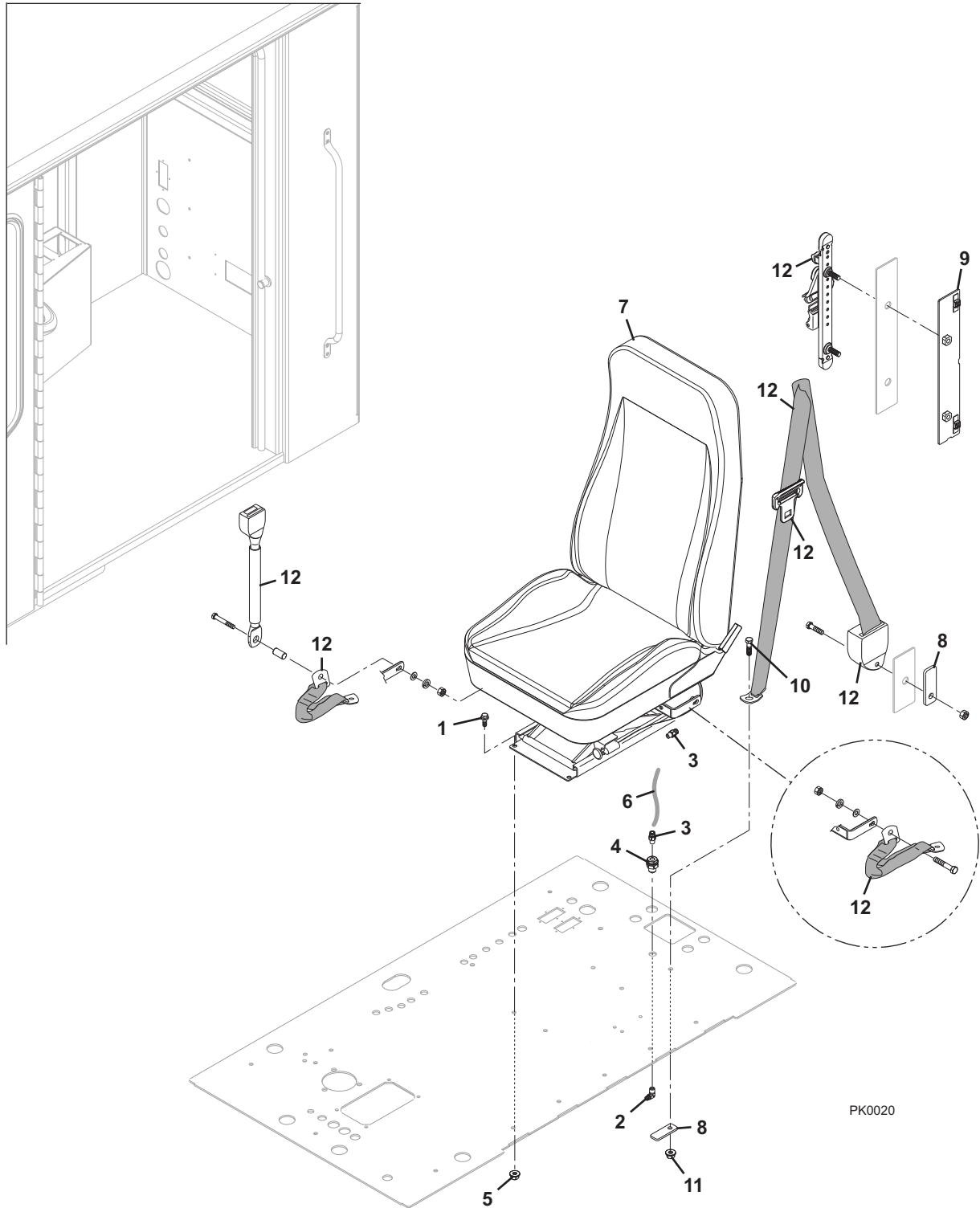
Figure 4-2 Door Assembly

Item	Part Number	Qty.	Description	Rev.
1	900002-456	1	DOOR WELDMENT	
2	900002-457	1	INNER DOOR PANEL	
3	900002-458	1	DOOR HINGE	
4	900001-432	1	INSIDE PADDLE HANDLE	
5	900001-434	1	CHROME DOOR PULL HANDLE	
6	900001-436	1	DOOR STRAP	
7		Ref	DOOR GLASS, (see Figure 4-8 for details)	
8	900001-450	1	WINDOW CRANK HANDLE	
9	900001-408	1	CLAMP BAR	
10	900001-440	1	BACKING STRIP	
11	900001-448	1	FOAM WASHER	
12	900002-460	1	EXTENDED REGULATOR, 3"	
13	900002-461	1	GLASS CHANNEL	
14	900001-430	1	THREADED ROD LINKAGE	
15	900001-451	1	ADJUSTABLE ROD END	
16	900001-429	2	ROD CLIP	
17	900001-439	1	LATCH COVER	
18	900002-462	1	DOOR LATCH	
19	900001-446	.33	RUBBER WIPER STRIP	
20	900001-447	.33	RUBBER WEATHER STRIP	
21	900001-438	1	PUSH BUTTON HANDLE	
22	900001-443	2.33	GLASS CHANNEL RUBBER	
23	900002-463	1	DOOR GLASS RETAINER	
24	900001-433	1	LATCH TRIM PLATE	
25		2	PLASTIC PLUG	
26	900001-449	1	SOCKET SCREW, 1/4-28X1/2	
27		10	POP RIVET	
28		18	PAN HD MACHINE SCREW, 10-24X3/4	
29		18	LOCKWASHER, EXTERNAL TEETH, #10	
30		8	WASHER, 3/8	
31		8	HEX SCREW, 3/8-16X1	
32		8	PAN HD FLAT SCREW, 1/4-20X3/4	
33		4	PAN HD FLAT SCREW, 1/4-20X1	
34		7	LOCKWASHER, EXTERNAL TEETH, 1/4	
35		4	PAN HD SCREW, 1/4-20X3/4	
36		3	HEX SCREW, 1/4-20x1	
37		3	HEX SCREW, M8-1.25X1	



CAB

Figure 4-3 Operator Seat Installation



PK0020

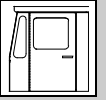


Figure 4-3 Operator Seat Installation

Item	Part Number	Qty.	Description	Rev.
1	200180-304	4	FLANGE HD CAPSCREW, 3/8-16X1, GR8	
2	200018-001	1	ELBOW, 90 DEGREES, 1/4 NPT X -4 AB TUBE	
3	200012-102	2	STRAIGHT CONNECTOR, 1/4 NPT X -4 AB TUBE	
4	200010-001	1	ANCHOR COUPLING, 1/4 NPT	
5	200001-105	6	FLANGE NUT, 3/8-16, GRG	
6	100001-004	3 ft	NYLON TUBE, 1/4 DIA SILVER	
7	1-24470	1	SEAT ASSY	
8	700087-202	5	REINFORCEMENT PLATE	
9	500072-005	1	BACKER WELDMENT	
10	200039-011	6	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
11	200001-105	6	FLANGE NUT, 3/8-16, GRG	
12	300081-002	1	3 POINT SHOULDER SEAT BELT KIT	

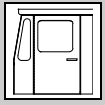
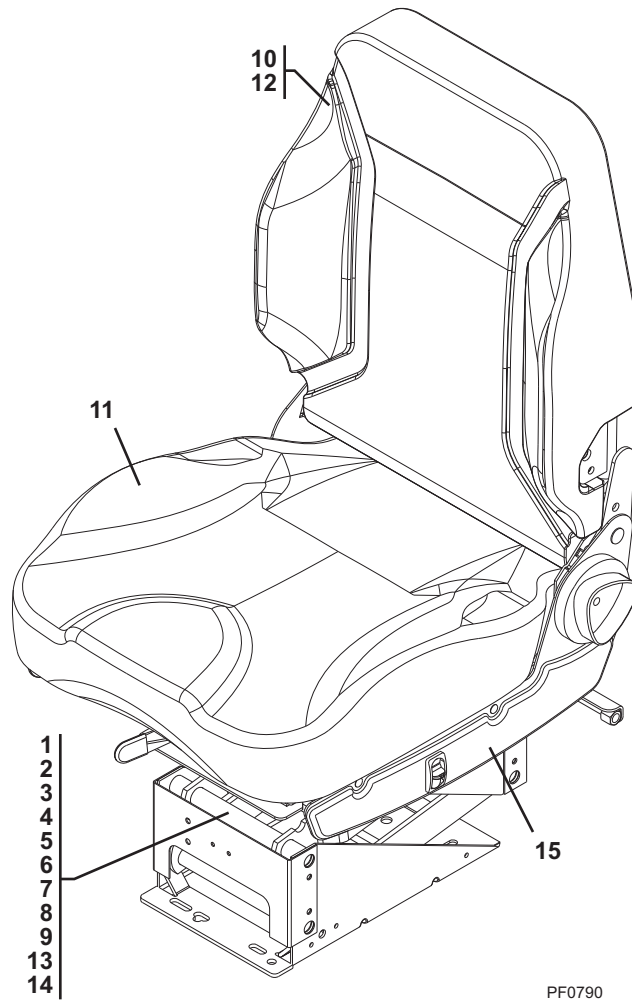


Figure 4-4 Operator Seat Assembly



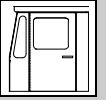
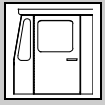


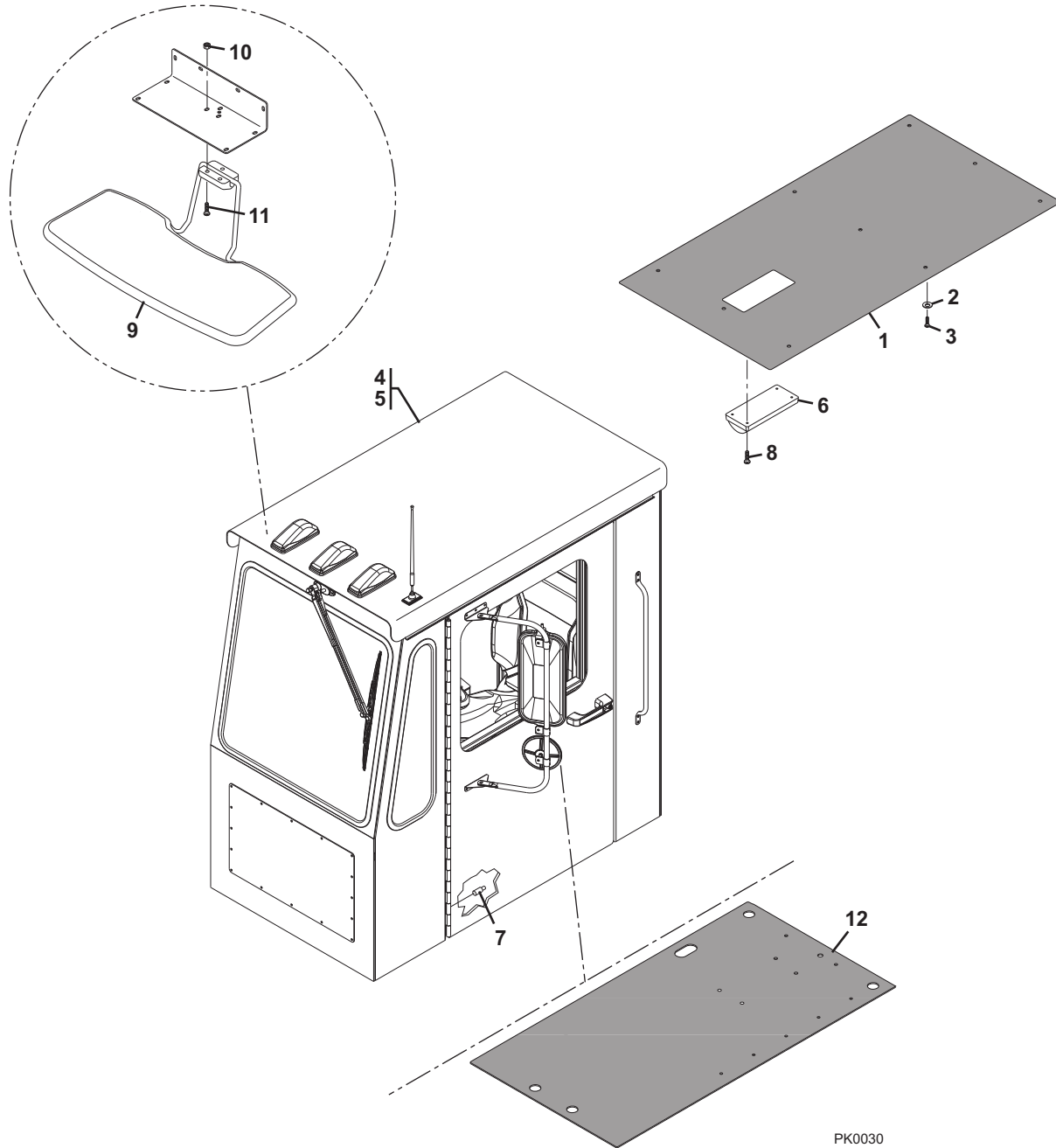
Figure 4-4 Operator Seat Assembly

Item	Part Number	Qty.	Description	Rev.
1	900002-610	1	SUSPENSION, 7" DOUBLE LOCKING TRACKS	
2	900002-611	1	REPLACEMENT BUSHING KIT	
3	900002-612	1	HEAVY DUTY SHOCK, (includes hardware)	
4	900002-613	1	ICP, (includes hardware)	
5	900002-614	1	RECLINER ADJUSTMENT KNOB	
6	900002-615	1	LUMBAR/RECLINE ADJUSTMENT LEVER, (includes roll pin)	
7	900002-616	1	TRACK SET	
8	900002-617	1	AIR SPRING	
9	900002-618	1	ISOLATOR KIT	
10	900002-619	1	BACK ASSY	
11	900002-620	1	CUSHION ASSY	
12	900002-621	1	BACK COVER	
13	900002-622	1	PLASTIC BUSHING	
14	900002-623	1	SHOULDER BOLT	
15	900002-624	1	MOLDED BUMPER	



CAB

Figure 4-5 Cab Interior Installation



PK0030

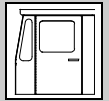
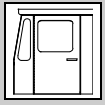


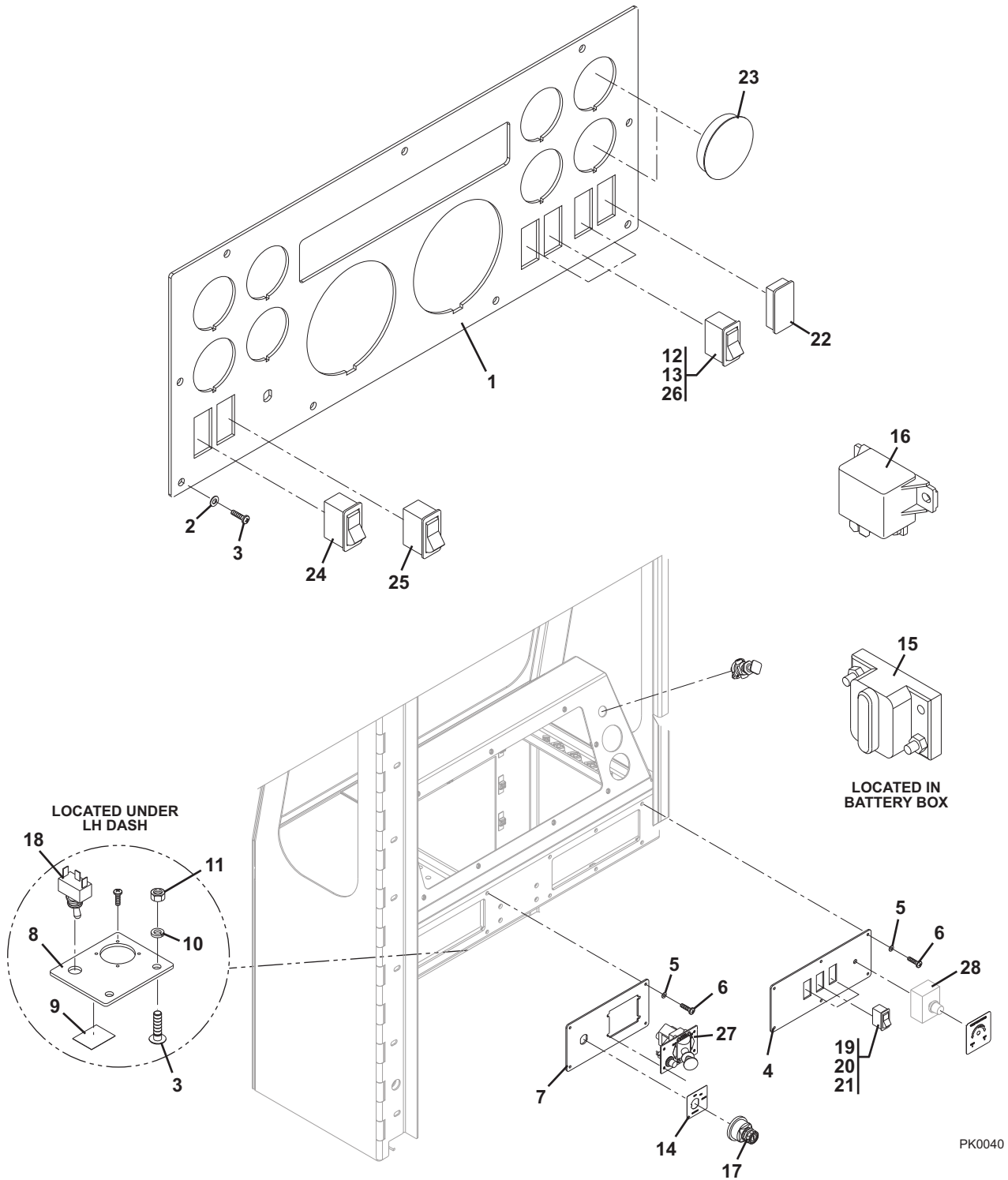
Figure 4-5 Cab Interior Installation

Item	Part Number	Qty.	Description	Rev.
1	300106-011	1	GRAY HEADLINER	
2	200143-003	12	FLANGE WASHER, #10-SS	
3	200036-005	12	OVAL HD MACHINE SCREW, 10-32X1	
4	200075-006	3 ft	DAMPING FOIL TAPE	
5	100043-101	14 sf	FOAM INSULATION	
6	300028-203	1	DOME LIGHT	
7	200041-048	1	DOOR JAM SWITCH	
8	200038-001	4	PAN HD MACHINE SCREW, 8-32X1	
9	200064-004	1	SUNVISOR	
10	200052-001	3	HEX NUT, NYLOK, 10-32	
11	200036-004	3	OVAL HD MACHINE SCREW, 10-32X3/4	
12	100031-011	15 sf	FLOOR MAT	



CAB

Figure 4-6 Dash Panel Assembly



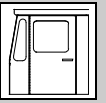
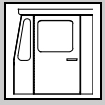


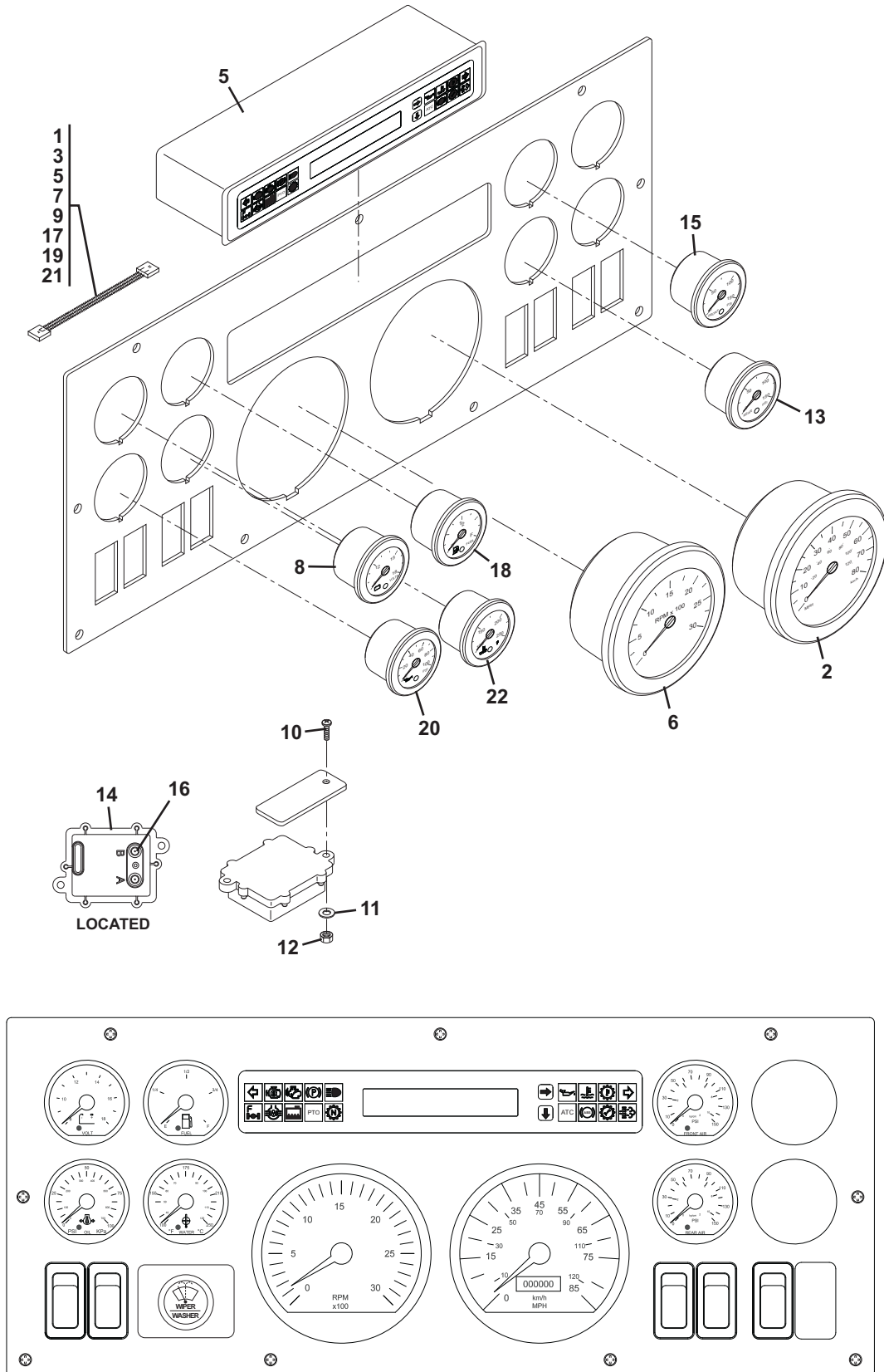
Figure 4-6 Dash Panel Assembly

Item	Part Number	Qty.	Description	Rev.
1	300113-235	1	INSTRUMENT PANEL, MAIN	
2	200133-003	9	FLAT WASHER, 1/4	
3	200037-009	13	TRUSS HD MACHINE SCREW, PHILLIPS, 1/4-20X3/4	
4	300113-233	1	INSTRUMENT PANEL, RH	
5	200133-004	19	FLAT WASHER, #10, NYLON	
6	200037-017	10	TRUSS HD MACHINE SCREW, PHILLIPS, 10-24X3/4	
7	300113-144	1	INSTRUMENT PANEL, LH	
8	700091-508	1	DIAGNOSTIC SWITCH	
9	200084-040	1	DIAGNOSTIC LABEL	
10	200054-001	2	LOCKWASHER, 1/4	
11	200050-001	2	HEX NUT, 1/4-20	
12	200189-005	1	ROCKER SWITCH, ENGINE BRAKE, 3-POSITION	
13	200189-004	1	ROCKER SWITCH, ENGINE BRAKE, ON-OFF	
14	300180-009	1	STARTER DECAL	
15	200100-007	1	CIRCUIT BREAKER, 80A, MANUAL RESET	
16	200096-002	1	RELAY, 75 AMP	
17	200041-080	1	IGNITION SWITCH	
18	200041-056	1	TOGGLE SWITCH	
19	200189-030	1	ROCKER SWITCH, HEAT/AC	
20	200189-031	1	ROCKER SWITCH, BLOWER SPEED	
21	200189-032	1	ROCKER SWITCH, DEF/PANEL/FLOOR	
22	200069-050	1	ROCKER SWITCH, HOLE PLUG	
23	200069-002	2	HOLE PLUG	
24	200189-001	1	ROCKER SWITCH, PARK LIGHTS	
25	200189-007	1	ROCKER SWITCH, BRIGHT/DIM	
26	200189-005	1	ROCKER SWITCH, ENGINE FAN	
27	300121-103	1	PTO SWITCH	
28		Ref	HEATER CONTROL ASSY, (see Figure 4-11 for details)	



CAB

Figure 4-7 Gauge Assembly



PK0050

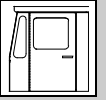
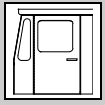


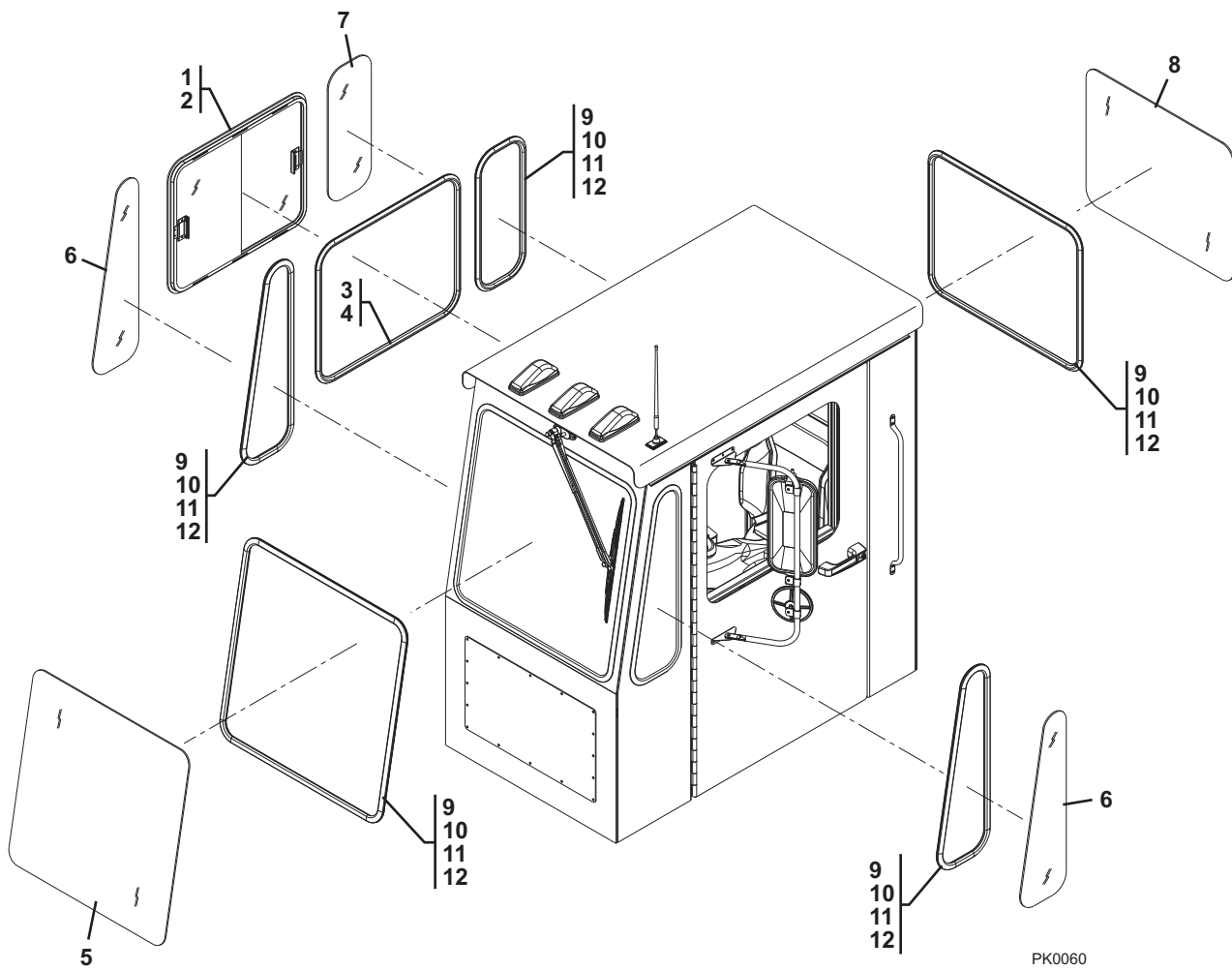
Figure 4-7 Gauge Assembly

Item	Part Number	Qty.	Description	Rev.
1	300026-201	1	HARNESS	
2	300048-102	1	SPEEDOMETER GAUGE	
3	300026-201	1	HARNESS	
4	300042-101	1	DRIVER INFORMATION CENTER	
5	300026-201	1	HARNESS	
6	300049-101	1	TACHOMETER GAUGE	
7	300026-201	1	HARNESS	
8	300051-102	1	VOLTMETER GAUGE	
9	300026-201	2	HARNESS	
10	200039-004	2	HEX HD CAPSCREW, 5/16-18, GR2	
11	200055-002	2	WASHER, 5/16	
12	200049-002	2	HEX LOCKNUT, NYLOK, 5/16-18, GR2	
13	300047-102	1	AIR PRESSURE GAUGE, PRIMARY	
14	300058-100	1	AIR PRESSURE SENSOR	
15	300047-103	1	AIR PRESSURE GAUGE, SECONDARY	
16	200018-010	2	ELBOW 90 DEGREES, 1/8 NPT X -4 AB TUBE	
17	300026-201	1	HARNESS	
18	300045-101	1	FUEL GAUGE	
19	300026-201	1	HARNESS	
20	300044-103	1	ENGINE OIL PRESSURE GAUGE	
21	300026-201	1	HARNESS	
22	300052-102	1	ENGINE COOLANT TEMPERATURE GAUGE	



CAB

Figure 4-8 Cab Glass Installation



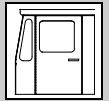


Figure 4-8 Cab Glass Installation

Item	Part Number	Qty.	Description	Rev.
1	300126-003	1	SLIDING DOOR WINDOW, (includes item 2)	
2		2	LATCH	
3	100041-004	8 ft	RUBBER WINDLACE LOCKBEAD	
4	100041-003	8 ft	RUBBER WINDLACE	
5	900002-464	1	WINDSHIELD GLASS	
6	900002-466	2	FRONT SIDE WINDOW GLASS	
7	900002-467	1	REAR SIDE WINDOW GLASS	
8	900002-465	1	REAR WINDOW GLASS	
9	900001-425	50 ft	GLASS MOUNTING LOCK STRIP	
10	900001-418	13 ft	WEATHER SEAL BULB	
11	900001-417	11.5 ft	"D" SEAL	
12	900001-424	50 ft	MOUNTING RUBBER	

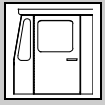
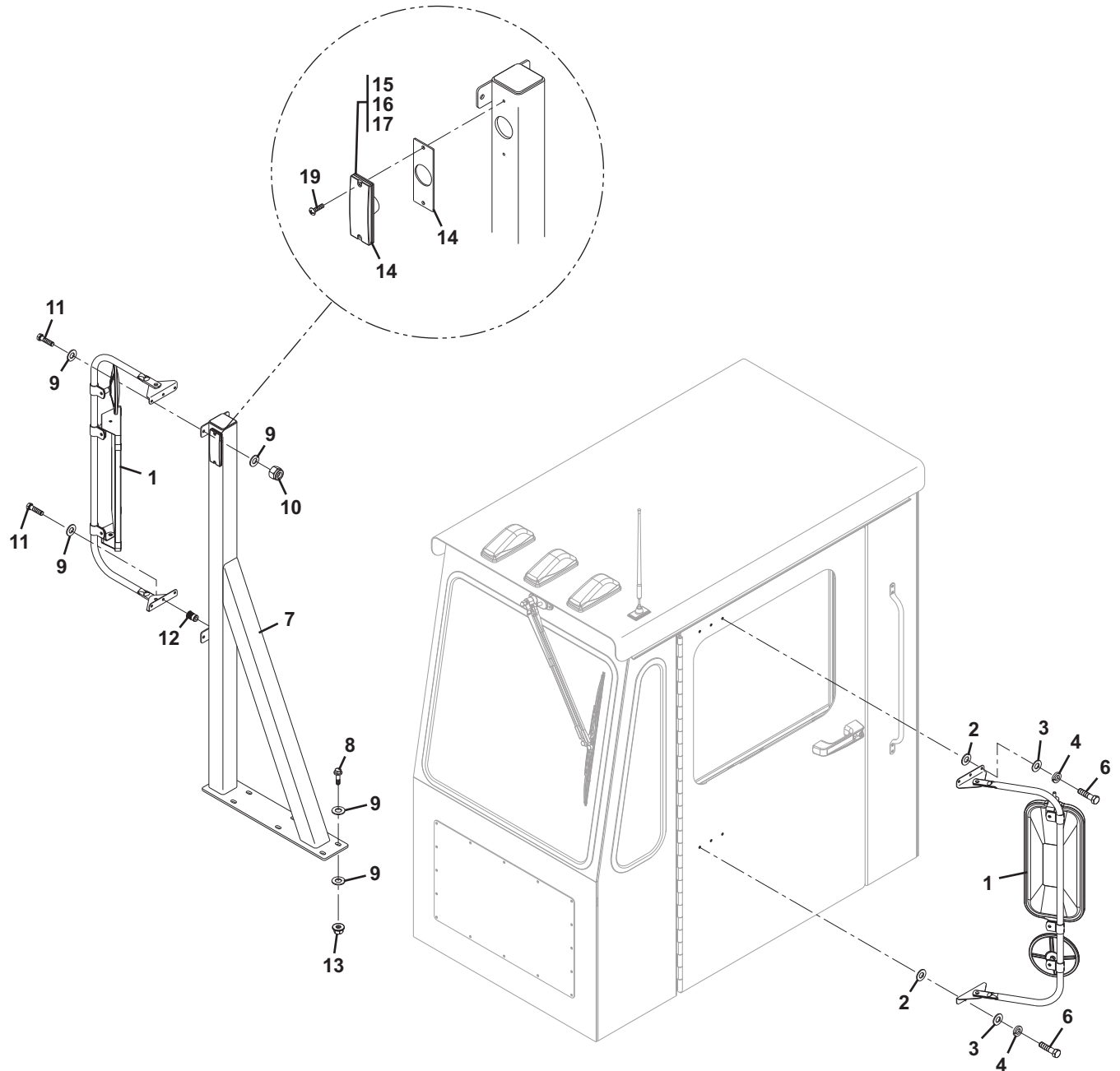


Figure 4-9 Primary Mirror Assembly



PK0070

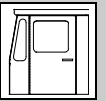
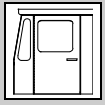


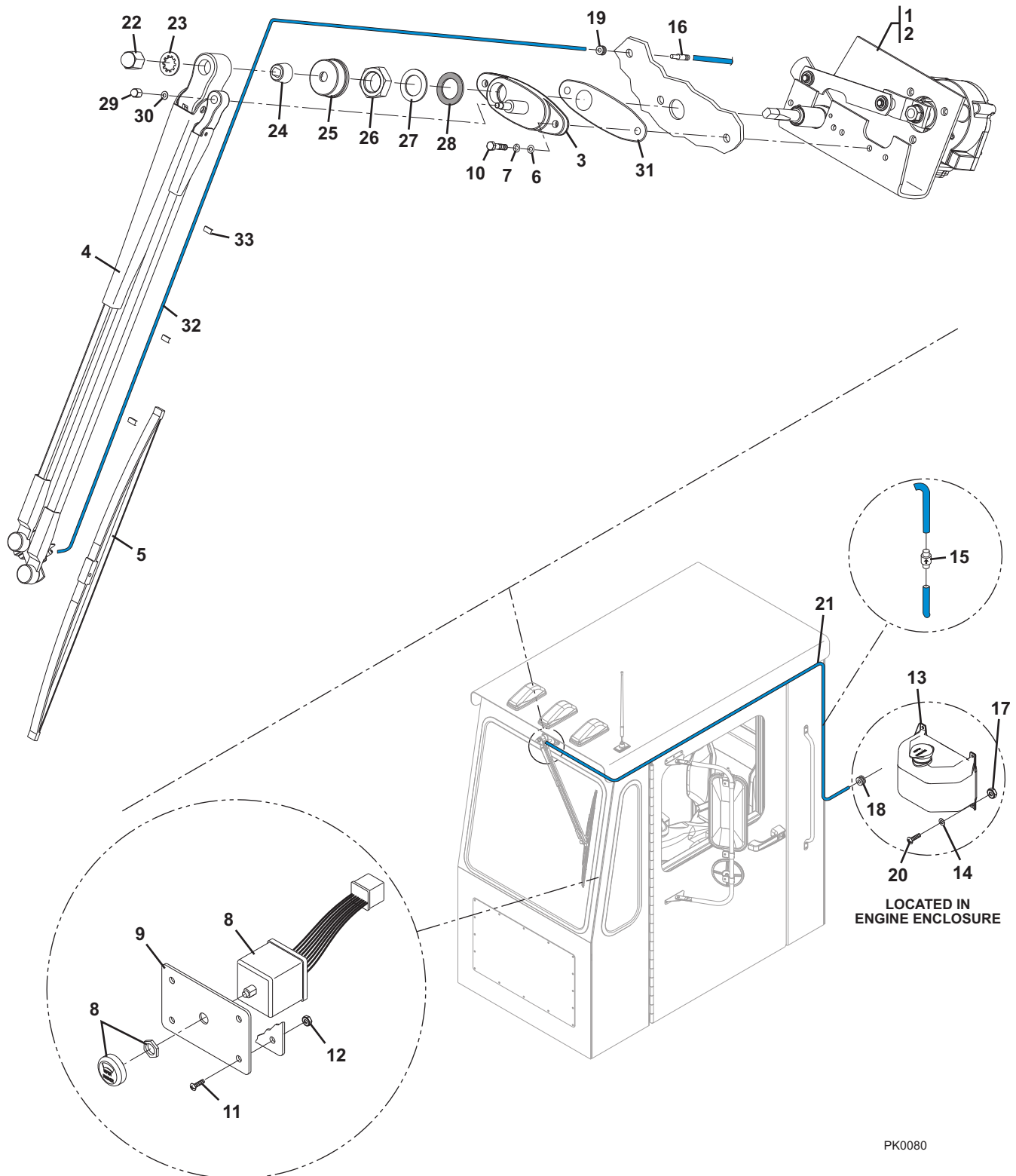
Figure 4-9 Primary Mirror Assembly

Item	Part Number	Qty.	Description	Rev.
1	300087-301	1	CONVEX MIRROR ASSY, (includes both mirrors)	
2	200133-003	6	NYLON FLAT WASHER, 1/4	
3	200108-001	6	WASHER, 1/4, 18-8	
4	200054-001	6	LOCKWASHER, 1/4	
6	200039-101	6	HEX HD CAPSCREW, 1/4-20X3/4	
7	500043-009	1	MIRROR BRACKET WELDMENT	
8	200180-305	6	FLANGE HD CAPSCREW, 3/8-16X1-1/4, GR8	
9	200108-001	12	WASHER, 1/4, 18-8	
10	200049-001	6	LOCKNUT, NYLOK, 1/4-20, GR2	
11	200039-011	6	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	
12	200035-002	2	THREADED INSERT, 1/4-20	
13	200001-105	6	FLANGE NUT, 3/8-16, GRG	
14	300028-013	1	AMBER SIDE MARKER LIGHT, OVAL	
15	200127-202	1	CONNECTOR, 2 CAVITY	
16	200127-124	2	CABLE SEAL, WEATHERPAK, 18 GA	
17	200127-003	2	WEATHERPAK SOCKET, 18/20 GA	
18	200052-101	2	LOCKNUT, EXTERNAL TOOTH, 10-32	
19	200037-006	2	TRUSS HD MACHINE SCREW, 10-32X3/4	



CAB

Figure 4-10 Windshield Wiper Assembly



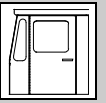
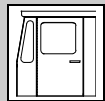


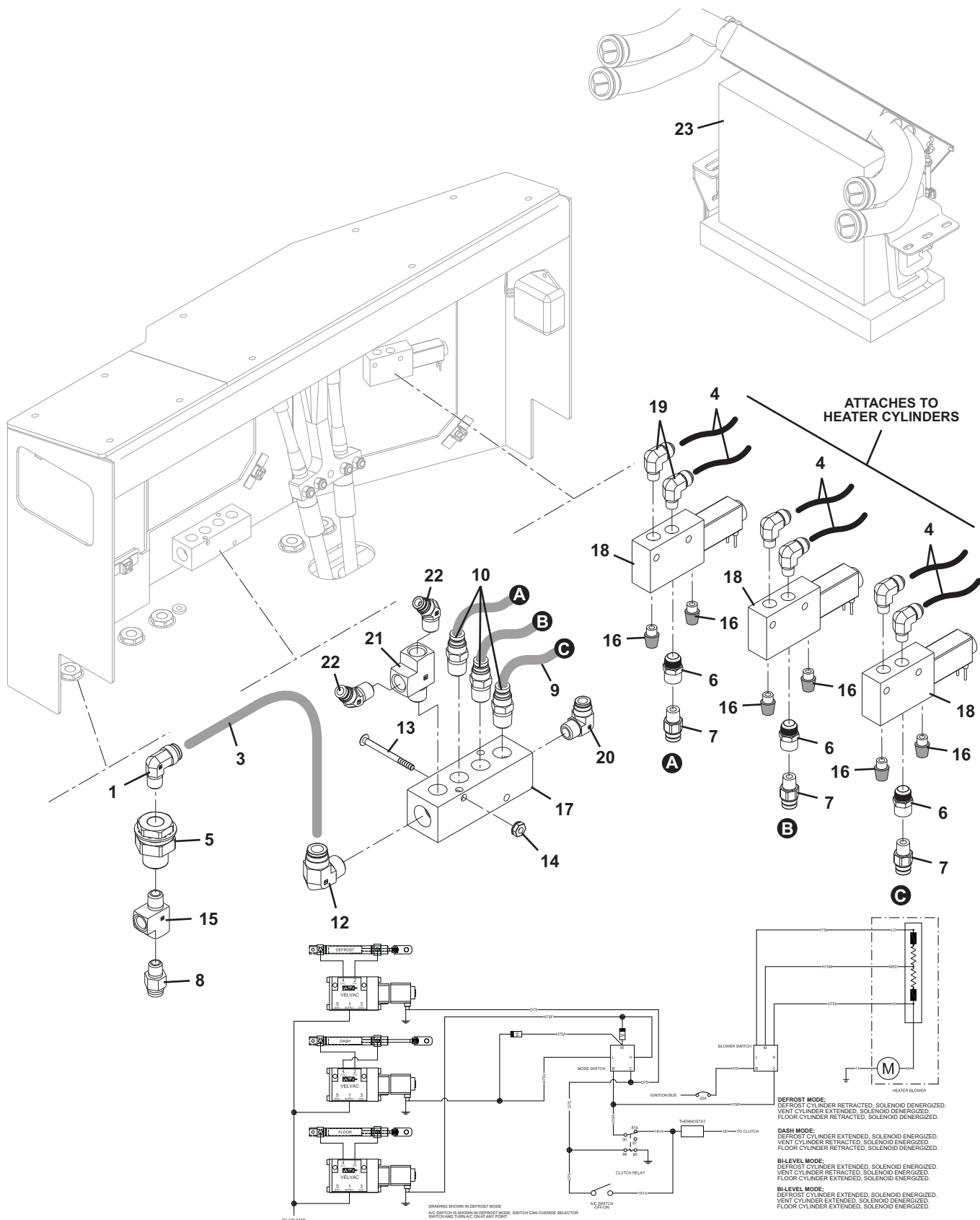
Figure 4-10 Windshield Wiper Assembly

Item	Part Number	Qty.	Description	Rev.
1	680073-002	1	WIPER MOTOR MODIFICATION	
2	300076-001	1	WIPER MOTOR, LH	
3	300080-001	1	WINDSHIELD WIPER ADAPTER KIT	
4	300079-011	1	WET WIPER ARM	
5	300078-006	1	WIPER BLADE, 20	
6	200108-001	2	WASHER, 1/4, 18-8	
7	200054-001	2	LOCKWASHER, 1/4	
8	200041-087	1	WIPER CONTROL ROTARY SWITCH	
9	700108-204	1	WIPER PLATE	
10	200039-101	2	HEX HD CAPSCREW, 1/4-20X3/4	
11	200038-003	4	PAN HD MACH SCREW, 8-32X1/2	
12	200052-102	4	LOCKNUT, EXTERNAL TOOTH, 8-32	
13	300077-001	1	WASHER FLUID RESERVOIR & PUMP ASSY	
14	200108-005	4	WASHER, #10	
15	200061-001	1	CHECK VALVE	
16	200060-001	1	NYLON BARBED CONNECTOR, 1/8	
17	200052-101	4	LOCKNUT, EXTERNAL TOOTH, 10-32	
18	200047-004	1	GROMMET, 3/8	
19	200047-001	3	GROMMET, 3/16	
20	200037-006	4	TRUSS HD MACHINE SCREW, 10-32X3/4	
21	100038-001	10 ft	RUBBER HOSE, 3/16	
22		1	ACORN NUT	
23		1	STAR WASHER	
24		1	CONE	
25		1	RUBBER COVER	
26		1	NUT	
27		1	WASHER	
28		1	GASKET	
29		1	ACORN NUT	
30		1	WASHER	
31		1	GASKET	
32		1	HOSE ASSY	
33		3	HOSE CLIPS	



CAB

Figure 4-11 HVAC Control Assembly



PK0090

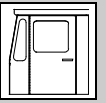
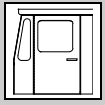


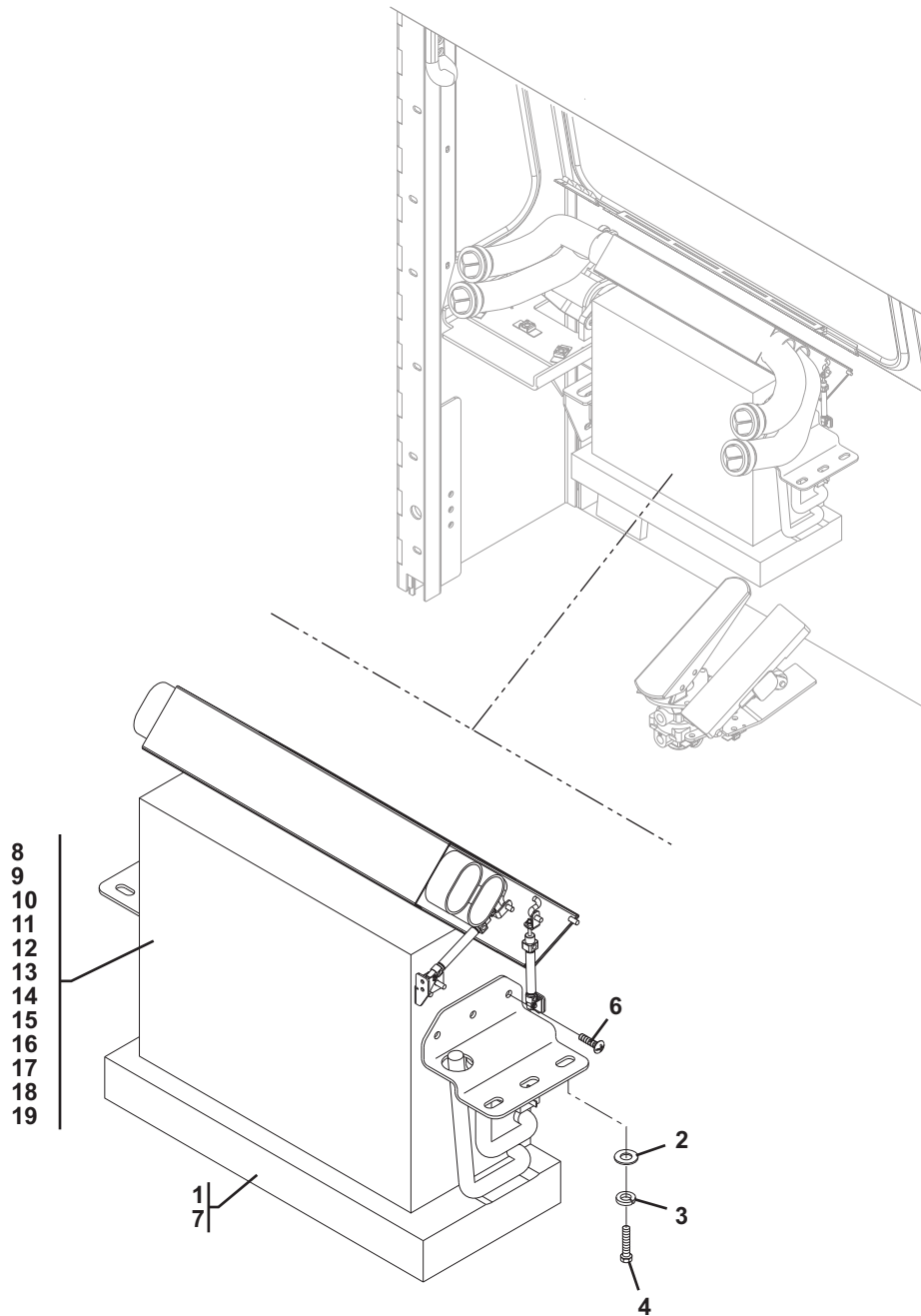
Figure 4-11 HVAC Control Assembly

Item	Part Number	Qty.	Description	Rev.
1	200018-004	1	ELBOW, 90 DEGREES, 1/4 NPT X -6 AB TUBE	
3	100001-010	2 ft	NYLON TUBE, 3/8 DIA, SILVER	
4	100001-023	20 ft	NYLON TUBE, 1/8 OD, BLACK	
5	200010-001	1	ANCHOR COUPLING, 1/4 NPT	
6	200012-023	3	STRAIGHT CONNECTOR, 1/8 NPT X 1/8 FEMALE NPT	
7	200012-101	3	STRAIGHT CONNECTOR, 1/8 NPT X -4 AB TUBE	
8	200012-103	1	STRAIGHT CONNECTOR, 1/4 NPT X -6 AB TUBE	
9	100001-004	3 ft	NYLON TUBE, 1/4 DIA, SILVER	
10	200012-102	3	ELBOW ADAPTER, 90 DEG, 1/4 NPT X -4 AB	
12	200018-005	1	ELBOW, 90 DEGREES, 3/8 NPT X -6 AB TUBE	
13	200038-012	2	PAN HD MACHINE SCREW, 8-32X3	
14	200052-102	2	LOCKNUT, EXTERNAL TOOTH, 8-32	
15	200089-103	1	STREET TEE ADAPTER, 1/4 NPT	
16	300110-002	6	CONE FILTER	
17	300179-001	1	AIR MANIFOLD, 3/8 NPT INLET, 1/4 NPT OUTLET	
18	300179-007	3	SOLENOID	
19	200012-314	6	ELBOW, 90 DEGREES, 1/8 NPT X -2 TUBE	
20	200018-005	1	ELBOW ADAPTER, 90 DEG, 3/8 NPT X -6 AB	
21	200089-103	1	TEE ADAPTER, STREET, 1/4 NPT	
22	200012-208	2	ELBOW ADAPTER, 45 DEG, 1/4 NPT X -4 AB	
23		Ref	HEATER CONTROL VALVE, (see Figure 6-5 for details)	



CAB

Figure 4-12 HVAC Unit Assembly



PK0100

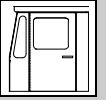
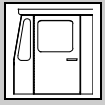


Figure 4-12 HVAC Unit Assembly

Item	Part Number	Qty.	Description	Rev.
1	300116-016	1	HEATER/AC KIT, (includes items 8 thru 20)	
2	200105-010	6	WASHER, 3/8, GR8	
3	200054-005	6	LOCKWASHER, 3/8	
4	200039-010	6	HEX HD CAPSCREW, 3/8-16X1, GR8	
5	200038-002	8	PAN HD MACHINE SCREW, 8-32X3/8	
6	200037-004	6	TRUSS HD MACHINE SCREW, 10-32X3/8	
7	100101-003	1	A/C CHARGING	
8	900002-469	1	CONDENSER KIT	
9	900002-470	1	CONDENSER	
10	900002-471	1	PRESSURE SWITCH	
11	900002-472	1	CONDENSER COIL	
12	900002-473	1	RECEIVER DRIER	
13	900002-474	1	EVAPORATOR W/HEAT KIT, (order heater assy, item 1)	
14	900002-475	1	EVAPORATOR, (order heater assy, item 1)	
15	900002-476	1	CONTROL HEAD	
16	900002-477	1	THERMOSTAT	
17	900002-478	1	EVAPORATOR COIL	
18	900002-479	1	HEAT COIL	
19	900002-480	1	BLOWER ASSY	



CAB

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SECTION 5 CONTROLS

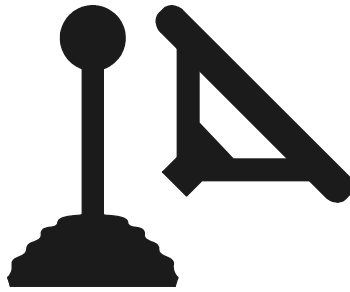
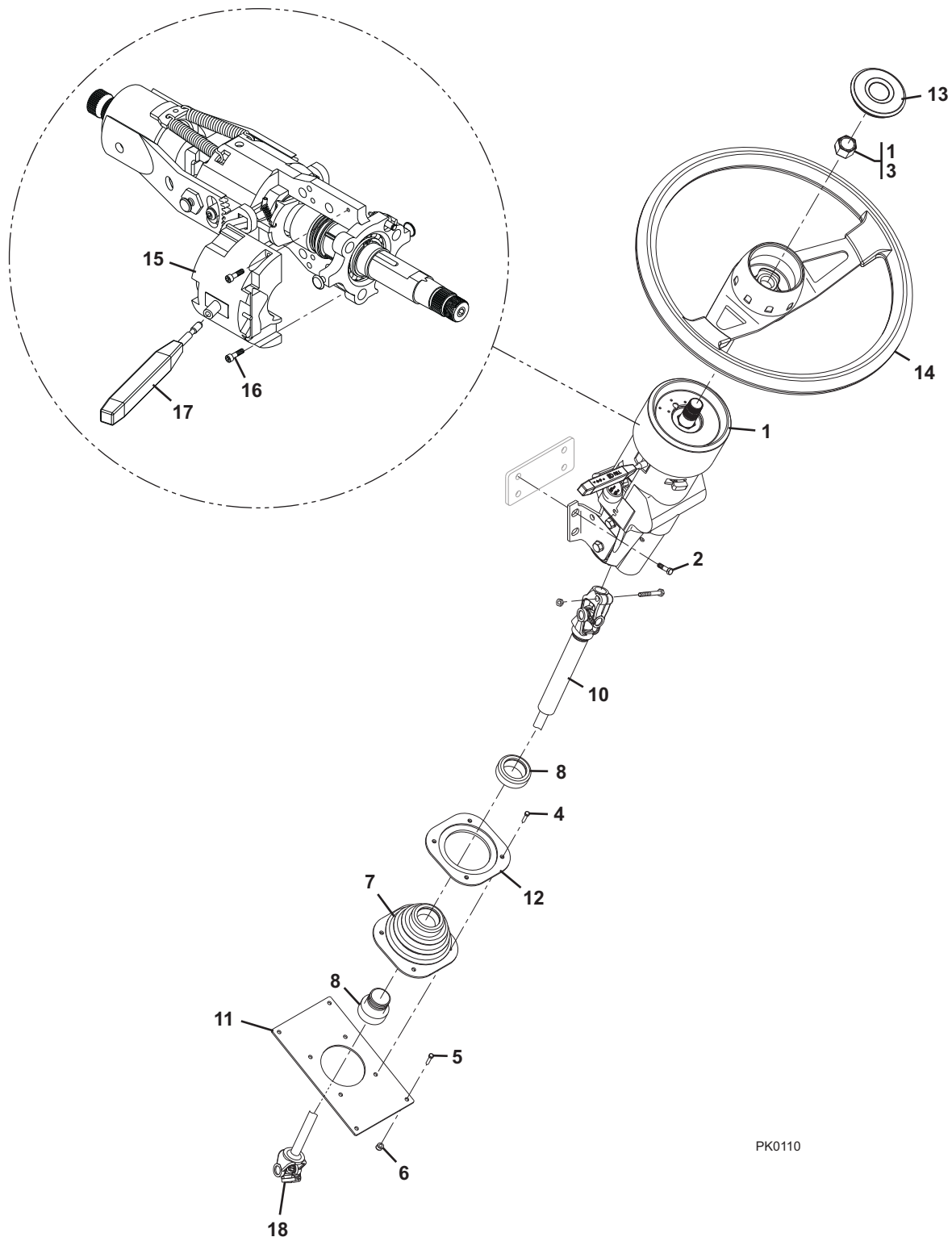




Figure 5-1 Steering Column Assembly



PK0110



Figure 5-1 Steering Column Assembly

Item	Part Number	Qty.	Description	Rev.
1	300071-001	1	TILT/TELESCOPE STEERING COLUMN, (includes locknut)	
2	200180-305	4	FLANGE HD CAPSCREW, 3/8-16X1-1/4, GR8	
3		AR	LOCTITE THREAD LOCKER, #242	
4	200037-006	4	TRUSS HD MACHINE SCREW, 10-32X3/4	
5	200037-009	4	TRUSS HD MACHINE SCREW, 1/4-20X3/4	
6	200049-001	4	LOCKNUT, NYLOK, 1/4-20, GR2	
7	200058-001	1	STEERING COLUMN BELLOWS	
8	200058-002	1	ABS ADAPTER	
9	200108-004	12	WASHER, 1/4, 18-8	
10	300021-012	1	STEERING SHAFT ASSY	
11	700015-018	1	STEERING BOOT PLATE	
12	700062-001	1	BOOT REATINER	
13	300039	1	HORN BUTTON	
14	300029-018	1	STEERING WHEEL	
15	900001-541	1	TURN SIGNAL SWITCH KIT	
16		2	CAPSCREW	
17		1	LEVER	
18		Ref	STEERING SHAFT ASSY, (see Figure 6-2 for details)	



CONTROLS

Figure 5-2 Accelerator Pedal Assembly

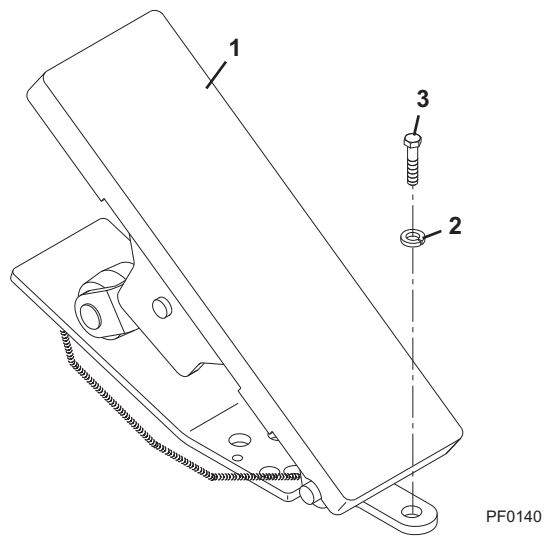


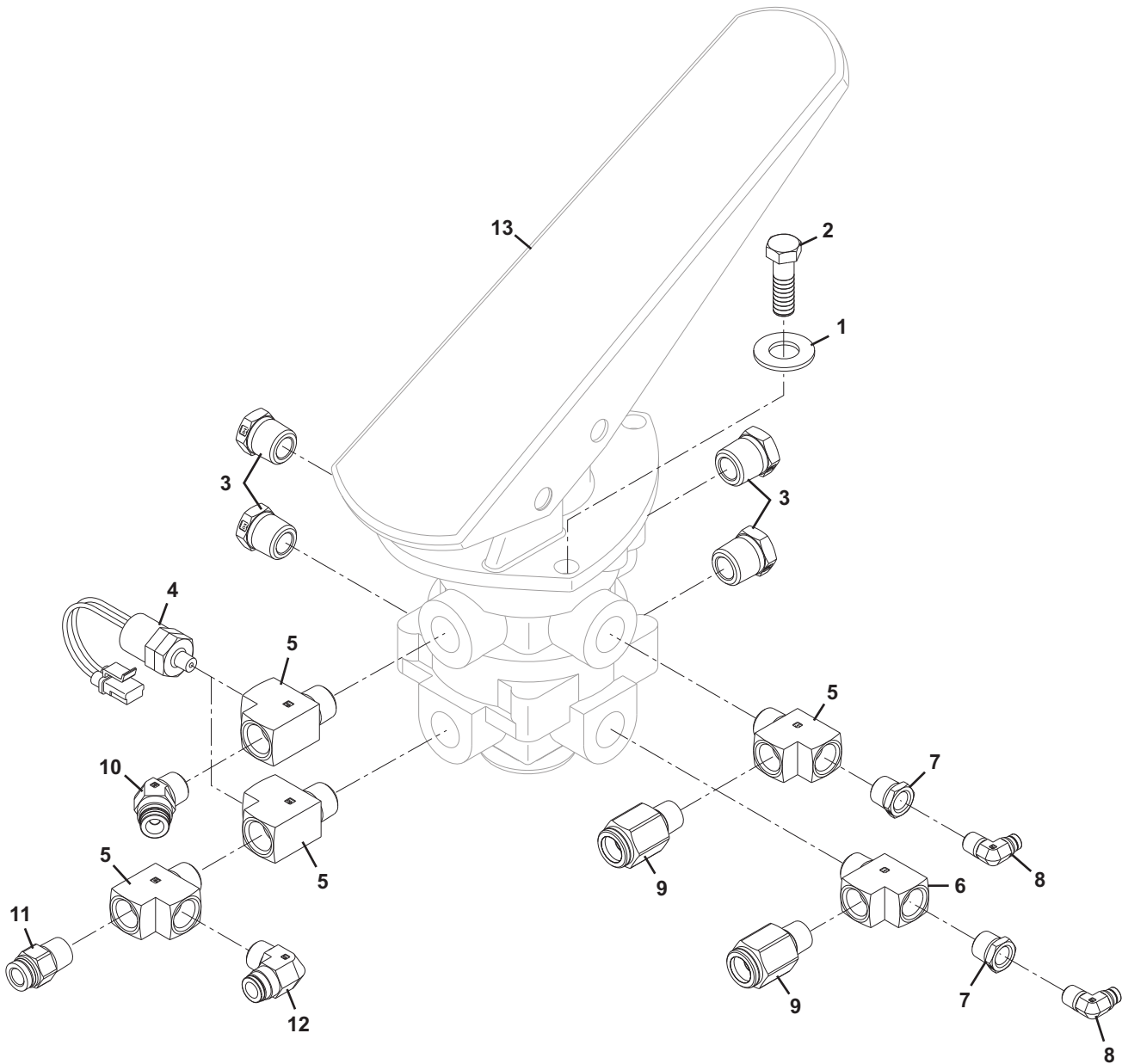


Figure 5-2 Accelerator Pedal Assembly

Item	Part Number	Qty.	Description	Rev.
1	300030-002	1	ACCELERATOR PEDAL	
2	200054-001	4	LOCKWASHER, 1/4	
3	200039-103	4	HEX HD CAP SCREW, 1/4-20X1-1/4	



Figure 5-3 Treadle Valve Piping Installation



PK0120



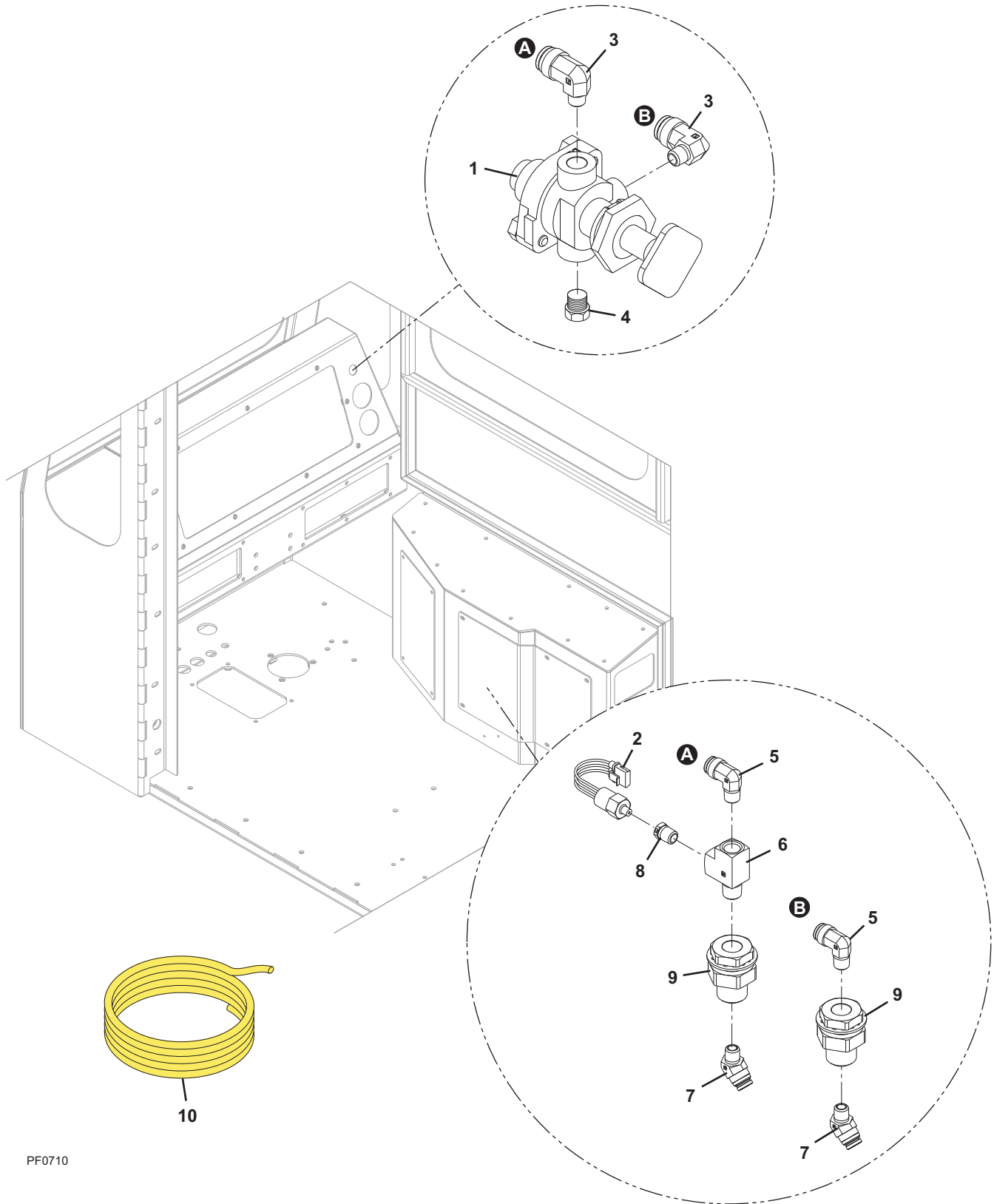
Figure 5-3 Treadle Valve Piping Installation

Item	Part Number	Qty.	Description	Rev.
1	200108-001	3	FLAT WASHER, 1/4, 18-8	
2	200039-103	3	HEX HD CAPSCREW, 1/4-20X1-1/4	
3	200027-101	4	HEX HD PLUG, 3/8 NPT	
4	200041-084	2	AIR PRESSURE SWITCH, 4 PSI, W/CONN	
5	200089-101	5	STREET TEE ADAPTER, 3/8 NPT	
7	200025-202	2	BUSHING ADAPTER, 3/8 NPT X 1/4 FEMALE NPT	
8	200018-001	2	ELBOW, 90 DEGREES, 1/4 NPT X -4 AB TUBE	
9	200012-106	2	STRAIGHT CONNECTOR, 3/8 NPT X -10 TUBE	
10	200012-204	1	ELBOW, 45 DEGREES, 3/8 NPT X -6 AB TUBE	
11	200012-110	1	STRAIGHT CONNECTOR, 3/8 NPT X -6 AB TUBE	
12	200018-005	1	ELBOW, 90 DEGREES, 3/8 NPT X -6 AB TUBE	
13		Ref	TREADLE VALVE, (see Figure 7-5 for details)	
			APPLY LOCTITE THREAD SEALANT, #567 TO ALL FITTINGS	



CONTROLS

Figure 5-4 Parking Brake Assembly



PF0710



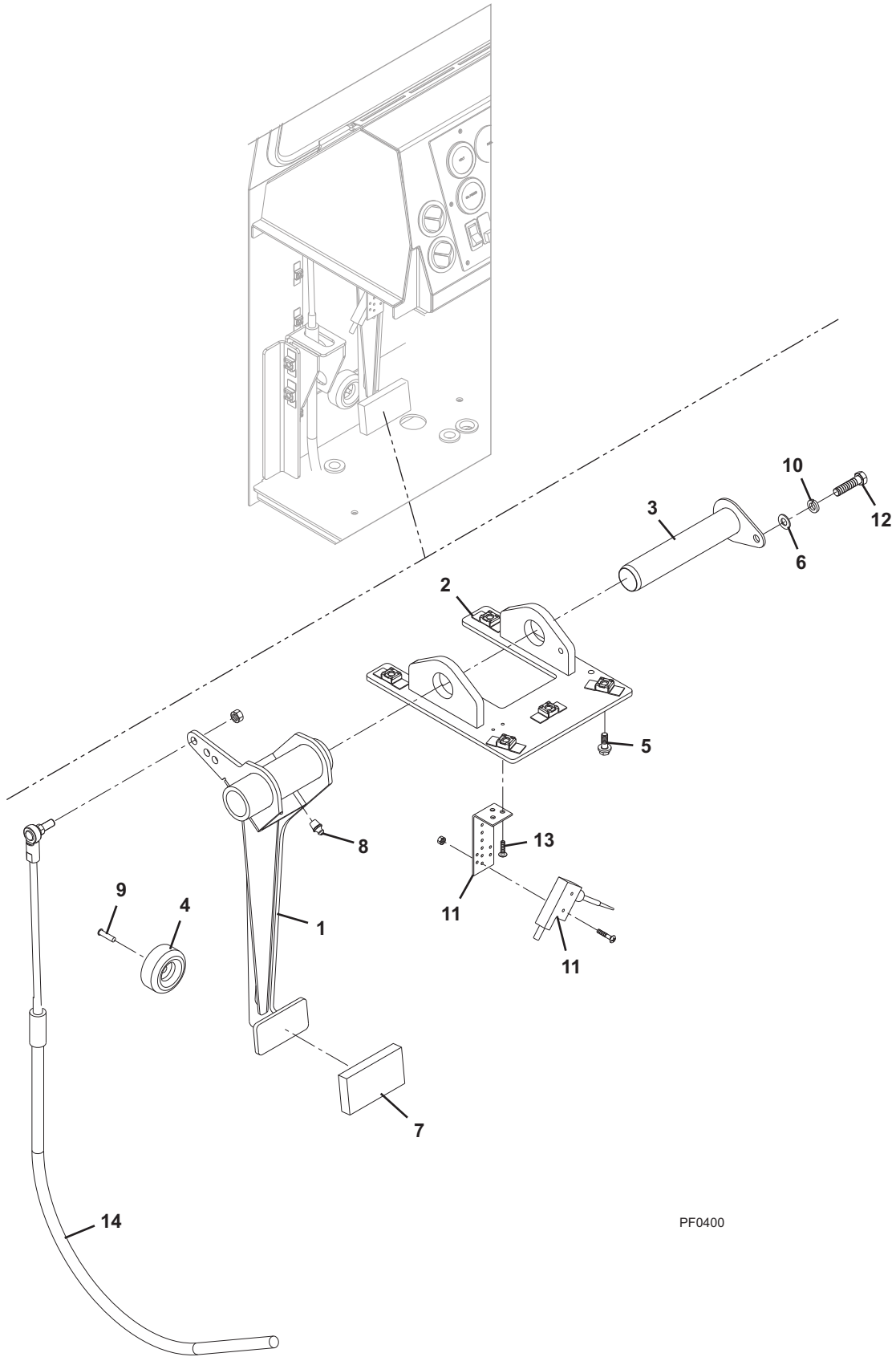
Figure 5-4 Parking Brake Assembly

Item	Part Number	Qty.	Description	Rev.
1	200061-501	1	SPRING BRAKE CONTROL VALVE	
2	200041-082	1	PRESSURE SWITCH	
3	200018-003	2	ELBOW, 90 DEGREES, 1/8 NPT X -6 AB TUBE	
4	200028-101	1	HEX HD PIPE PLUG, 1/8 NPT	
5	200018-004	2	ELBOW, 90 DEGREES, 1/4 NPT X -6 AB TUBE	
6	200089-103	1	STREET TEE APAPTER, 1/4 NPT	
7	200012-207	2	ELBOW, 45 DEGREES, 1/4 NPT X -6 AB TUBE	
8	200025-208	1	BUSHING ADAPTER, 1/4 NPT X 1/8 FEMALE NPT	
9	200010-001	2	ANCHOR COUPLING, 1/4 NPT	
10	100001-008	20 ft	NYLON TUBE, 3/8 DIA, YELLOW	



CONTROLS

Figure 5-5 Clutch Pedal Assembly



PF0400



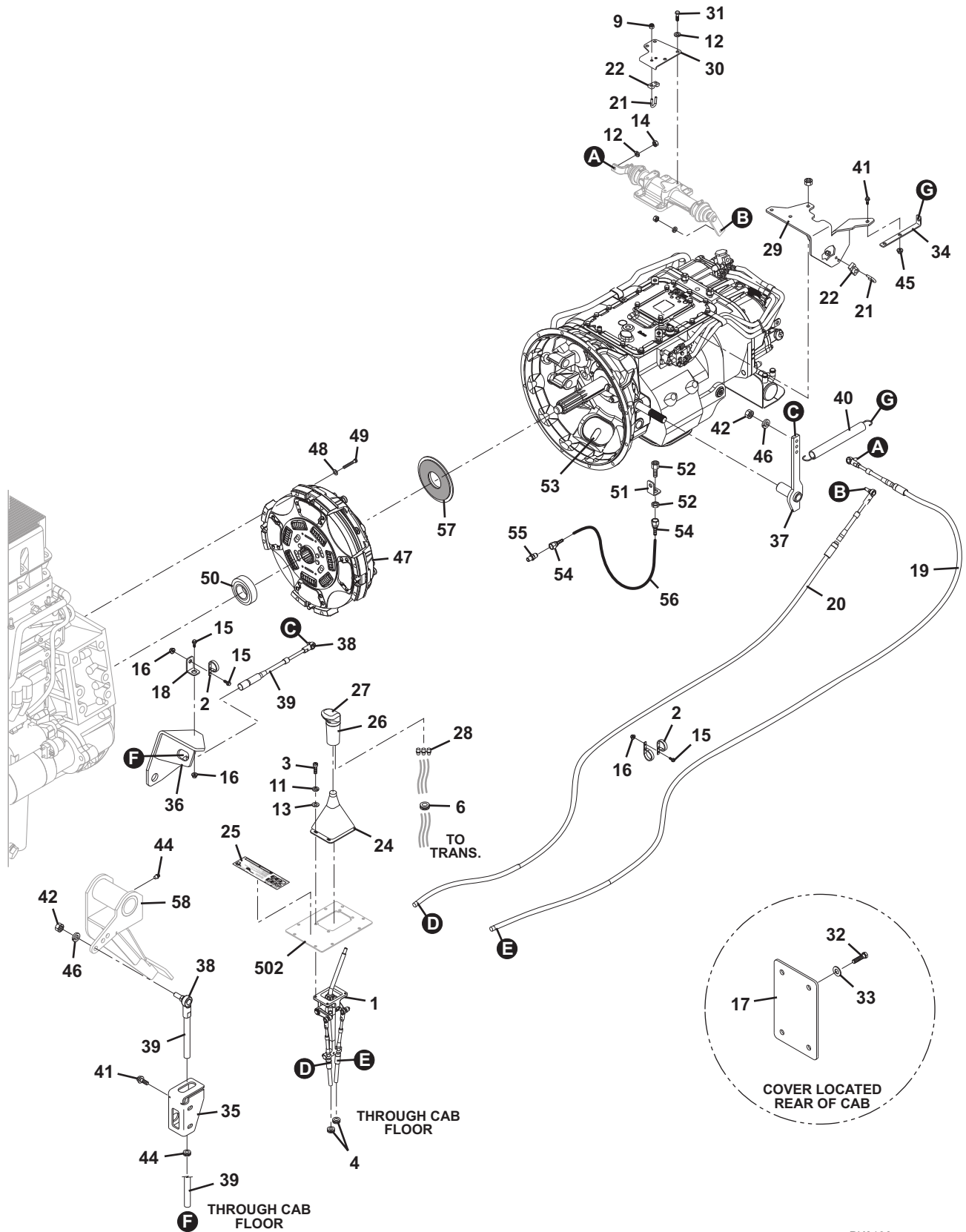
Figure 5-5 Clutch Pedal Assembly

Item	Part Number	Qty.	Description	Rev.
1	500009-033	1	CLUTCH PEDAL WELDMENT	
2	500009-032	1	CLUTCH SHAFT WELDMENT	
3	500009-031	1	PIVOT BRACKET WELDMENT	
4	300012-102	1	RUBBER BUMPER	
5	200180-305	8	FLANGE HD CAPSCREW, 3/8-16X1-1/4, GR8	
6	200105-010	1	WASHER, 3/8, GR8	
7	200078-101	1	CLUTCH PEDAL PAD	
8	200074-001	1	STRAIGHT GREASE FITTING, 1/8 NPT	
9	200073-005	1	STUD, 1/4-20X1	
10	200054-005	1	LOCKWASHER, 3/8	
11	200041-014	1	CLUTCH SWITCH, (includes hardware)	
12	200039-010	1	HEX HD CAPSCREW, 3/8-16X1, GR5	
13	200037-007	2	TRUSS HD MACHINE SCREW, 10-32X1	
14		Ref	CABLE ASSY, (see Figure 5-6 for details)	



CONTROLS

Figure 5-6 Transmission Shifter Cable



PK0130



Figure 5-6 Transmission Shifter Cable

Item	Part Number	Qty.	Description	Rev.
1	300014-009	1	MASTER SHIFT UNIT	
2	200008-013	3	HOSE CLAMP, 3/4	
3	200038-010	4	PAN HD MACHINE SCREW, M8-1.25X30MM	
4	200047-016	2	GROMMET	
6	200047-019	1	GROMMET	
9	200049-008	4	HEX NUT, NYLOK, 5/16-24, GR5	
11	200054-004	4	LOCKWASHER, 5/16	
12	200054-005	6	LOCKWASHER, 3/8	
13	200105-012	4	WASHER, 5/16, GR8	
14	200106-002	2	NUT, 3/8-24, GR8	
15	200180-305	3	FLANGE HD CAPSCREW, 3/8-16X1-1/4, GR8	
16	200001-105	3	FLANGE NUT, 3/8-16, GRG	
17	300013-020	1	SHIFT CABLE COVER	
18	700503-012	1	ABS CABLE CLAMP MOUNTING ANGLE	
19	300015-008	1	SHIFTER CABLE, 160"	
20	300015-009	1	SHIFTER CABLE, 140"	
21	300015-102	2	U-BOLT	
22	300015-103	2	SADDLE SPACER	
24	300016-001	1	SHIFTER BOOT	
25	300094-101	1	SHIFT LABEL, 18 SPEED	
26	300094-102	1	SHIFTER VALVE ASSY	
27	300094-103	1	SHIFTER MEDALLION	
28	300094-105	3	AIR SHIFTER FITTING	
29	500032-006	1	SHIFTER CABLE BRACKET WELDMENT	
30	700034-004	1	SHIFTER CABLE BRACKET	
31	200181-304	4	HEX HD CAPSCREW, 3/8-16X1, GR8	
32	200039-101	4	HEX HD CAPSCREW, 1/4-20X3/4	
33	200108-001	4	WASHER, 1/4, 18-8	
34	700128-003	1	STAND OFF L BRACKET	
35	700111-063	1	CABLE CLUTCH PLATE	
36	500009-036	1	CLUTCH CABLE BRACKET WELDMENT	
37	500009-034	1	CLUTCH LEVER WELDMENT	
38	300015-101	2	BALL JOINT	
39	300015-018	1	PUSH/PULL CABLE, 140"	
40	300012-104	1	CLUTCH RETURN SPRING	
41	200180-305	3	FLANGE HD CAPSCREW, 3/8-16X1-1/4, GR8	
42	200106-002	2	NUT, 3/8-24, GR8	
43	200074-003	1	GREASE FITTING, 90 DEGREES, 1/8 NPT	
44	200047-016	1	GROMMET	
45	200001-105	1	FLANGE NUT, 3/8-16, GRG	
46	200054-005	2	LOCKWASHER, 3/8	
47	300012-006	1	SELF ADJUSTING CLUTCH	
48	200055-111	8	FLAT WASHER, 7/16, GR8	
49	200039-115	8	HEX HD CAPSCREW, 7/16-14X2-1/4, GR8	
50	200006-001	1	CLUTCH BEARING	
51	700503-012	1	ABS CABLE CLAMP MOUNTING	
52	200062-002	1	BULKHEAD ADAPTER, 1/8 X -4	
53	200047-009	1	GROMMET	
54	200030-401	1	HOSE END	



CONTROLS

Figure 5-6 Transmission Shifter Cable (Continued)

Item	Part Number	Qty.	Description	Rev.
55	200012-001	1	STRAIGHT CONNECTOR, 1/8 X -4	
56	100002-001	24 ft	LOW PRESSURE HOSE	
57	200078-201	1	CLUTCH BRAKE	
58		Ref	CLUTCH PEDAL, (see Figure 5-5 for details)	



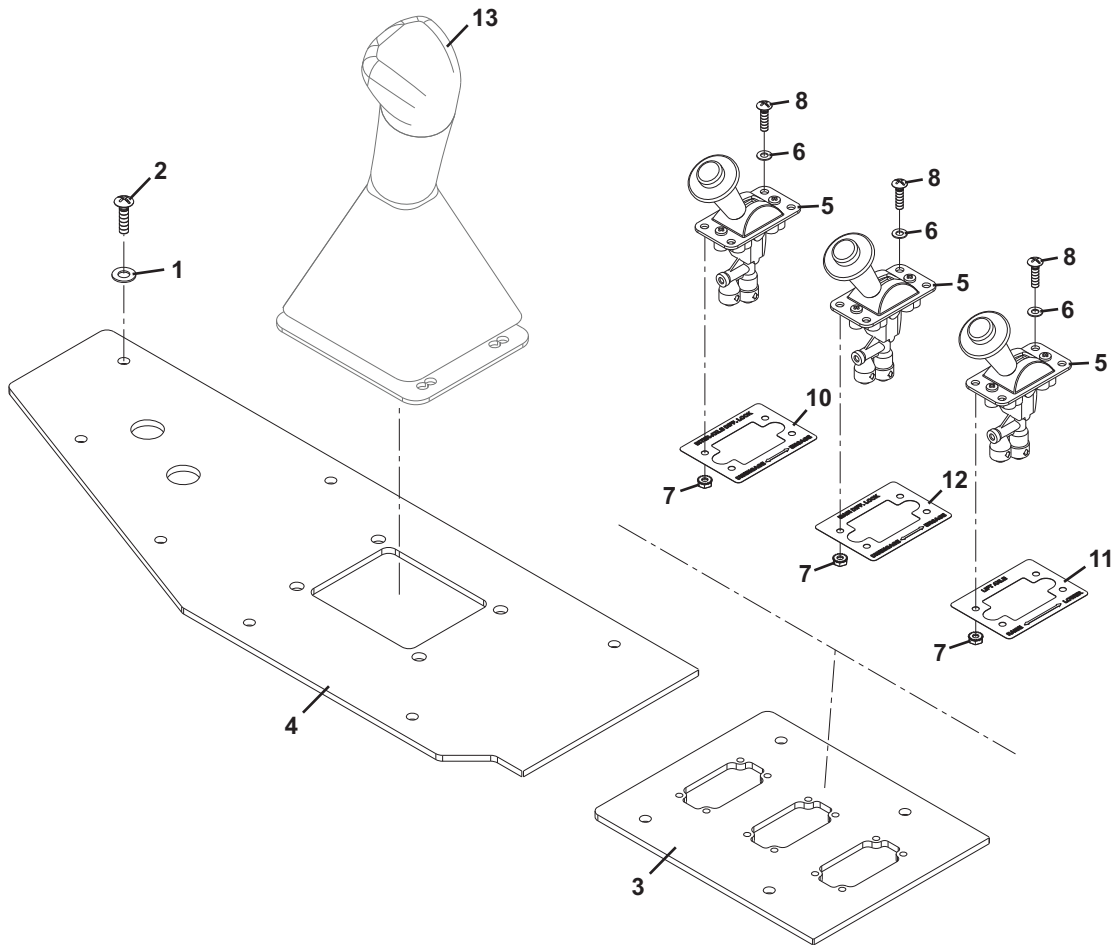
Figure 5-6 Transmission Shifter Cable (Continued)

Item	Part Number	Qty.	Description	Rev.



CONTROLS

Figure 5-7 Side Panel Assembly



PK0480



Figure 5-7 Side Panel Assembly

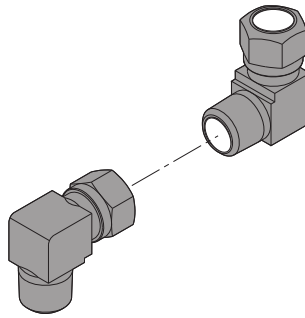
Item	Part Number	Qty.	Description	Rev.
1	200133-003	11	WASHER, NYLON, 1/4	
2	200037-009	11	TRUSS HD MACHINE SCREW, 1/4-20X3/4	
3	300113-221	1	INTER-AXLE CONTROL PLATE	
4	300013-019	1	SHIFTER CONSOLE PLATE	
5	200061-005	3	VALVE, CONTROL, DIRECTIONAL, PNEUMATIC, 2-POS, 3-WAY	
6	200133-001	12	WSHR, FLAT, #8, NYLON	
7	200052-102	12	NUT, HEX, LOCKING, KEPS, EXTERNAL TOOTH, 8-32, ZINC PL	
8	200037-011	12	TRUSS HD MACH SCR, PHILLIPS, 8-32 X 3/8 LG, STNL STL	
10	300180-007	1	DECAL, INTER-AXLE	
11	300180-095	1	DECAL, LIFT AXLE	
12	300180-005	1	DECAL, MAIN DIFF.	
13		Ref	TRANSMISSION SHIFTER, (see Figure 5-6 for details)	

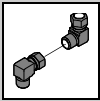


CONTROLS

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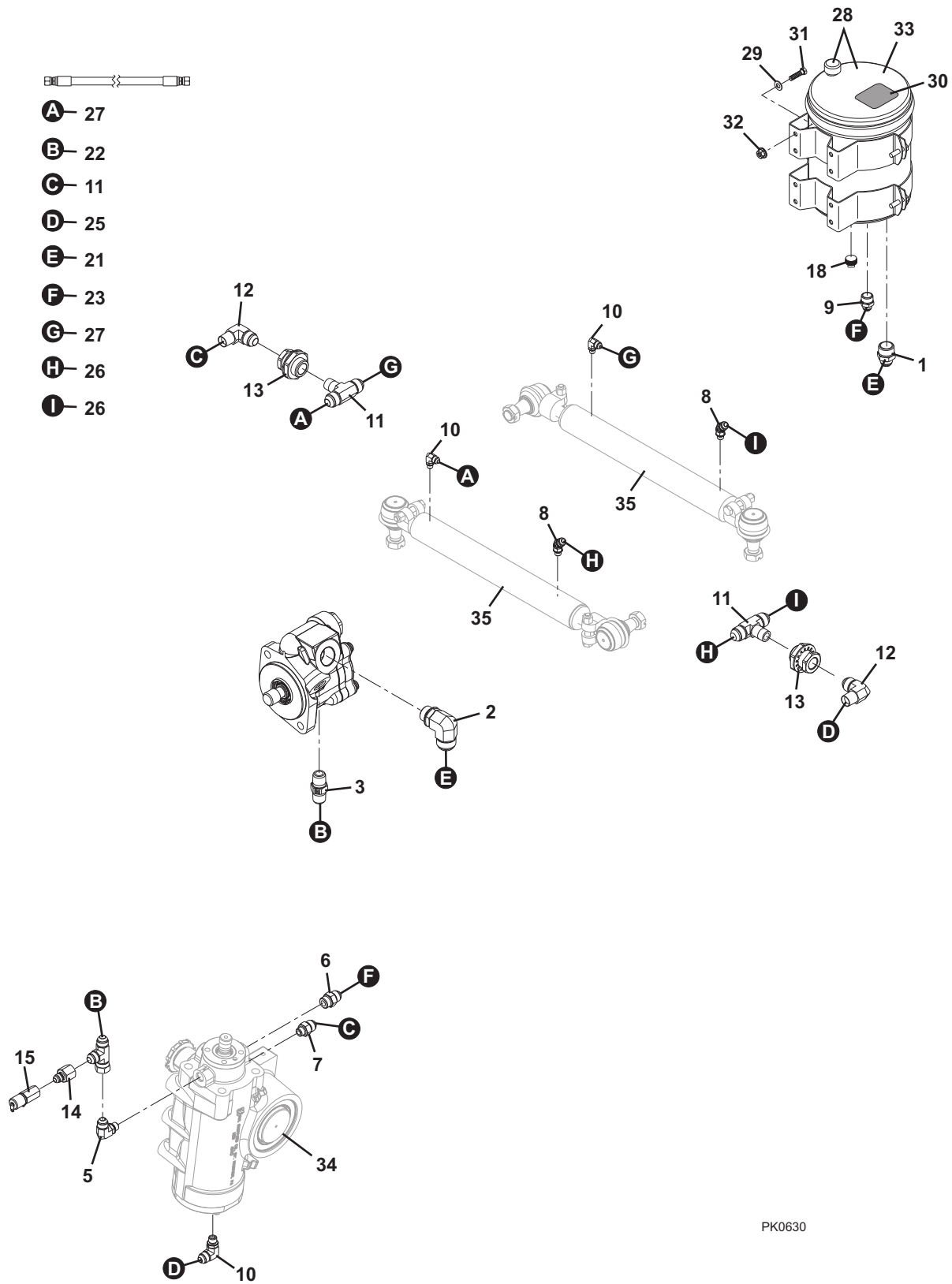
SECTION 6 CIRCUITS





CIRCUITS

Figure 6-1 Power Steering Installation



PK0630

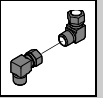
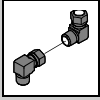


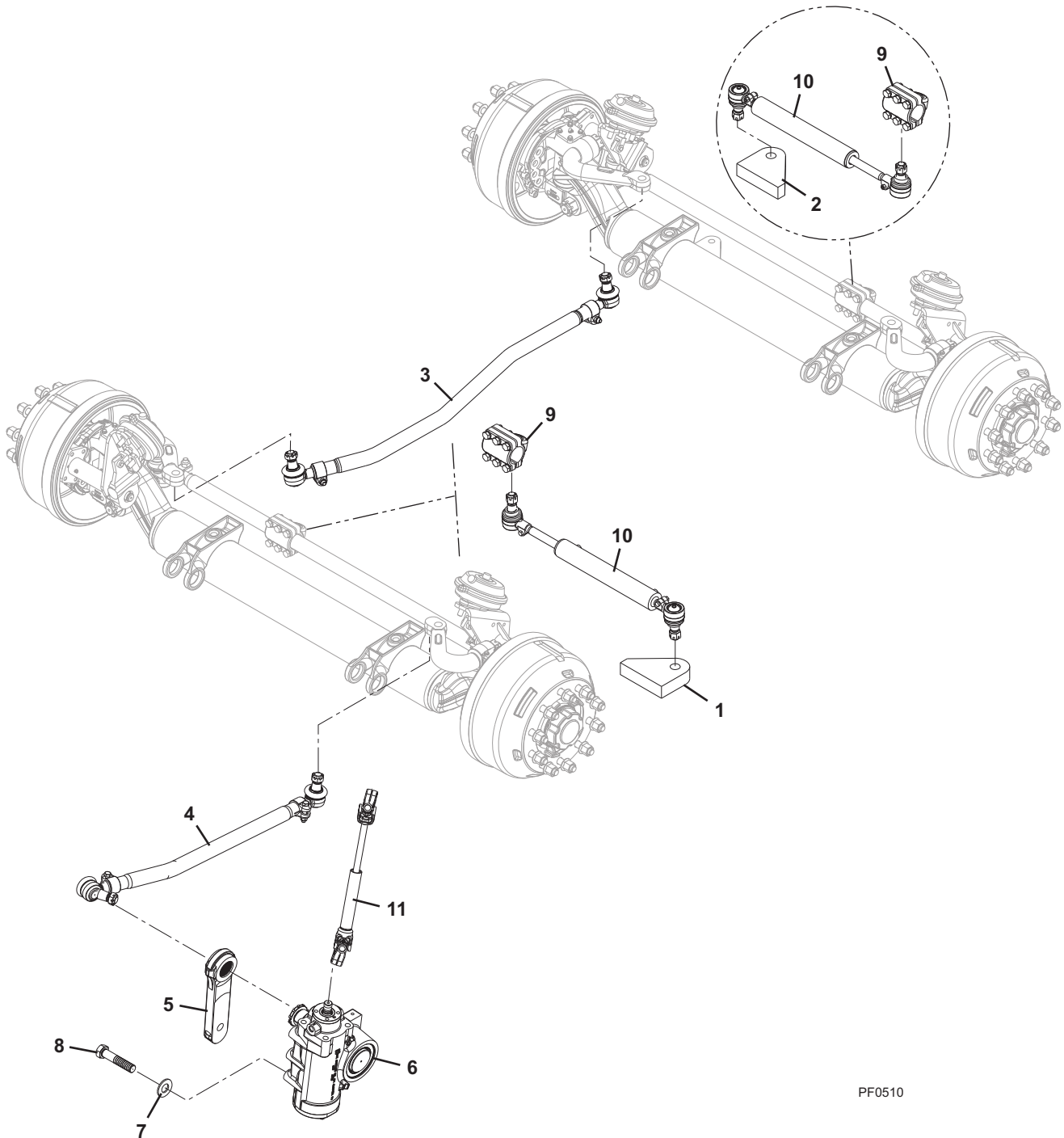
Figure 6-1 Power Steering Installation

Item	Part Number	Qty.	Description	Rev.
1	200113-006	1	ADAPTER, STR, 1-1/4 NPT X -16 JIC	
2	200113-603	1	ADAPTER, ELBOW, 90 DEG, -12 SAE O-RING X -16 JIC	
3	200113-409	1	ADAPTER, STR, -8 SAE O-RING X -8 JIC	
4	200030-601	1	ADAPTER, TEE, RUN, -8 JIC X -8 FEMALE JIC SWIVEL	
5	200019-001	1	ADAPTER, ELBOW, 90 DEG, -8 SAE O-RING X -8 JIC	
6	200113-415	1	ADAPTER, STR, -8 SAE O-RING X -10 JIC	
7	200113-401	1	ADAPTER, STR, -6 SAE O-RING X -8 JIC	
8	200113-209	2	ADAPTER, ELBOW, 45 DEG, -6 SAE O-RING X -8 JIC	
9	200113-412	1	ADAPTER, STR, 1/2 NPT X -10 JIC	
10	200019-005	3	ADAPTER, ELBOW, 90 DEG, -6 SAE O-RING X -8 JIC	
11	200031-301	2	ADAPTER, TEE, BRANCH, 3/8 NPT X -8 JIC	
12	200017-007	2	ADAPTER, ELBOW, 90 DEG, 3/8 NPT X -8 JIC	
13	200010-004	2	ANCHOR COUPLING, 3/8 NPT	
14	200011-027	1	ADAPTER, -8 FEMALE JIC TO -6 MALE JIC	
15	300115-028	1	TEST PORT, STANDPIPE, 9/16-18	
16	200030-403	2	HOSE END, STR, -10 JIC FEMALE SWIVEL X -10 PUSH LOCK	
17	100002-004		HOSE, LOW PRESSURE, PUSH-LOK, 5/8 ID	
18	200027-102	1	PLUG, PIPE, HEX HD, 1/2 NPT, BRASS	
21	210000-106	1	HOSE ASSY, -8 SAE, 106 IN	
22	205001-083	1	HOSE ASSY, -8 SAE, 83 IN	
24	205000-088	1	HOSE ASSY, -8 SAE, 88 IN	
25	205000-097	1	HOSE ASSY, -8 SAE, 97 IN	
26	205000-050	2	HOSE ASSY, -8 SAE, 50 IN	
27	205000-060	2	HOSE ASSY, -16 SAE, 60 IN	
28	300062-004	1	RESERVOIR, STRG, 9 QT	
29	200105-002	8	WSHR, FLAT, SAE, 3/8 DIA, GR 5, ZINC PL	
30	200084-020	1	LABEL-POWER STRG. FLUID	
31	200039-011	8	HEX HD CAP SCR, 3/8-16 X 1-1/4 LG, GR 5, ZINC PL	
32	200001-105	8	NUT, HEX FLG, STOVER, 3/8-16, GR G, ZINC PL	
33	100091-001	3 gl	OIL, 15W40, GENERAL USE	
34		Ref	STEERING GEAR, (see Figure 6-2 for details)	
35		Ref	STEERING CYLINDERS, (see Figure 6-2 for details)	



CIRCUITS

Figure 6-2 Steering Component Assembly



PF0510

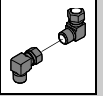
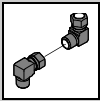


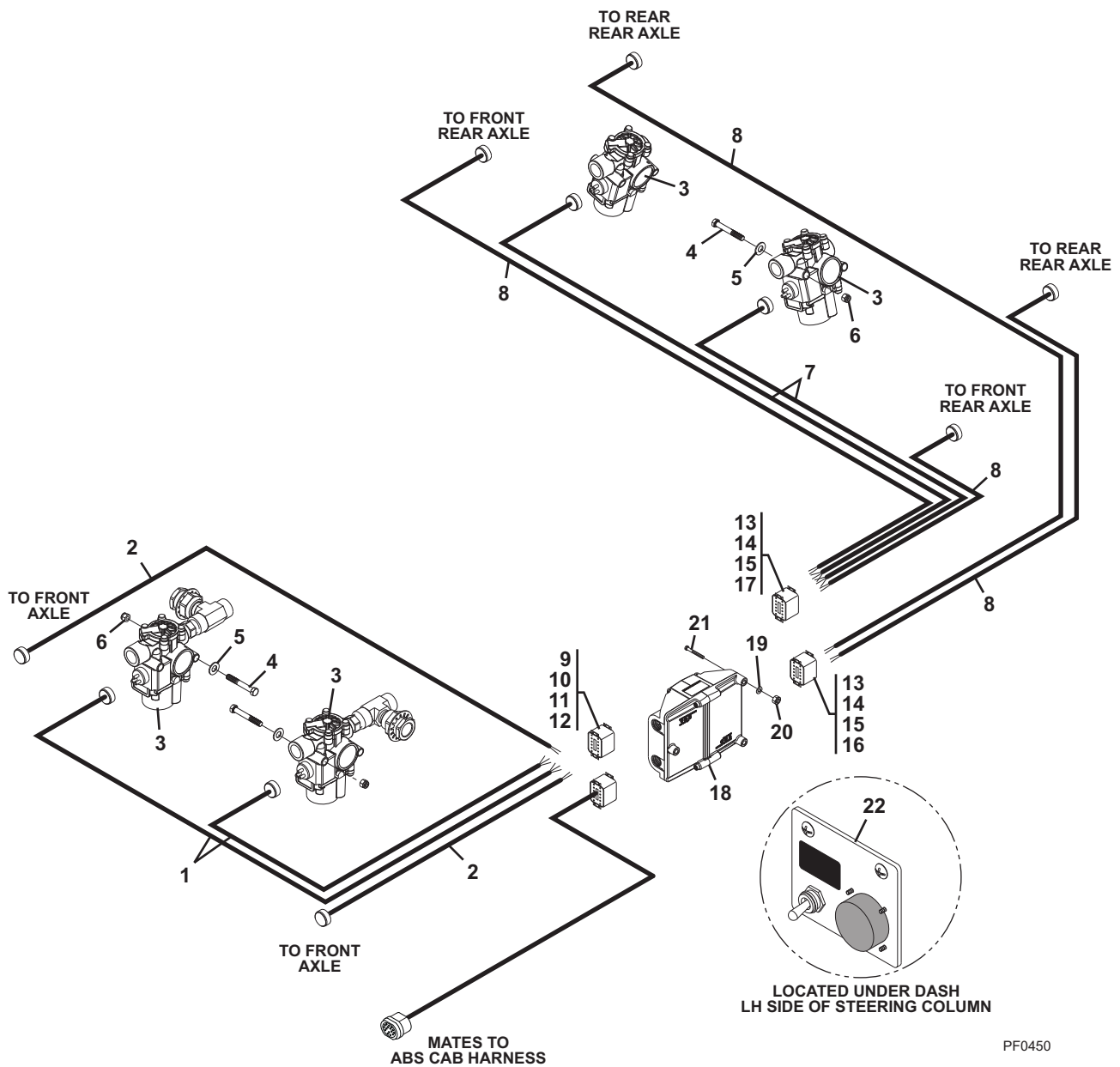
Figure 6-2 Steering Component Assembly

Item	Part Number	Qty.	Description	Rev.
1	700031-013	1	BALL RETAINER PLATE	
2	700031-012	1	BALL RETAINER PLATE	
3	300038-037	1	STEERING DRAGLINK, OFFSET, 54-1/2	
4	300038-008	1	STEERING DRAGLINK	
5	300019-009	1	STEERING PITMAN ARM	
6	300018-005	1	MASTER STEERING GEAR	
	900002-520	1	MASTER GEAR INPUT SHAFT SEAL KIT	
	900002-521	1	MASTER GEAR SECTOR SHAFT SEAL KIT	
	900002-522	1	MASTER GEAR SECTOR SHAFT SEAL KIT, (with snap ring & L-seal)	
	900002-523	1	MASTER GEAR END CAP SEAL KIT	
	900002-524		AUTOPLUNGER REPAIR KIT, (with silicone o-ring)	
7	200086-002	5	WASHER, 3/4	
8	200039-229	5	HEX HD CAPSCREW, M20-1.5X45MMM, GR10.9	
9	300017-001	2	BALL SOCKET CLAMP, 2 DIA	
10	300017-013	2	STEERING CYLINDER	
11	300021-012	1	STEERING SHAFT, 1 X 36 X 21-1/2	



CIRCUITS

Figure 6-3 Antilock Brake Installation



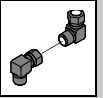
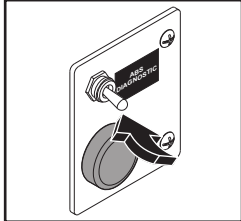
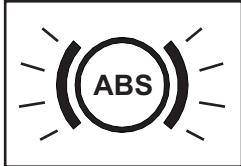
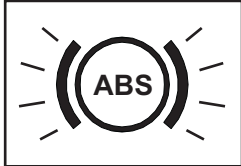


Figure 6-3 Antilock Brake Installation (Continued)

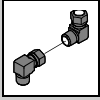
Blink Code Identification Guide

1st Digit	2nd Digit	TROUBLESHOOTING AND REPAIR	INSTRUCTIONS
1	1	System O.K.	<p>1. Turn ignition switch the the "ON" position. Hold switch under dash for 1 second. ABS Light is ON.</p>  <p>Pause 1.5 Seconds</p>
2	1-6*	Check ABS modulator valve, valve cable and connectors. Verify 4.0-9.0 ohms resistance, (ABS modulator valve)	
3	1-6*	Adjust wheel sensor to touch tooth wheel. Check sensor gap. Check for loose wheel bearings or excessive hub runout. Verify minimum 0.2 volts AC output @ 30 RPM.	
4	1-6*	Check sensor, sensor cable and connectors. Verify 900-2000 ohms resistance.	
5	1-6*	Check for tire size mismatch or tooth wheel difference. Check sensor, sensor cable and connector for intermittent contact.	
6	1-6*	Check for damaged tooth wheel.	
7	1	Check for correct data link connection: J1922 and J1939 (D version) or J1939 (E version). Verify correct sensor adjustment.	<p>2. Count flashes for 1st Digit (1-8).</p>  <p>Pause 1.5 Seconds</p>
7	2	Check ATC valve, valve cables and connector. Verify 7.0-14.0 ohms resistance.	
7	3	Check retarder (third brake) connections.	
7	4	Check ABS indicator lamp connections. Verify blink code switch was activated longer than 16 seconds.	
7	5	Verify correct ATC set-up. Reconfigure if required.	
7	6	Verify accuracy of blink code and clear from ECU memory. EVersion: Check RSC valve. Verify 7.0-14.0 ohms resistance.	
8	1	Check vehicle voltage and supply to ECU (9.5-14.0 volts).	<p>3. Count flashes for 2nd Digit (1-6).</p>  <p>Pause 4 Seconds Repeat Code</p>
8	2	Check vehicle voltage (9.5-14.0 volts). Verify accuracy of blink code and clear from ECU memory.	
8	3	Verify accuracy of blink code and clear from ECU.	
8	4	Verify all ECU connectors are in place. Verify accuracy of blink code and clear from ECU memory. If code does not clear, it may be necessary to reconfigure or replace the ECU.	
8	5	D Version: Full function, cab-mounted only. Check all ABS valve ground connections for diagonals 1 and 2 (open, shorted to ground or shorted to battery). E Version: Check all ABS ECU and ATC valve grounds.	
8	6	E Version: Verify accuracy of blink code and clear from ECU memory. Contact Customer Service Center at 1-200-535-5560.	

*** 1-6 Key**

PF0580

1 Right front steer axle (curb side)	4 Left forward/rear tandem drive axle (driver's)
2 Left front steer axle (driver side)	5 Right rear/rear tandem drive axle (curb)
3 Right forward/rear tandem drive axle (curb)	6 Left rear/rear tandem drive axle (driver's)



CIRCUITS

Figure 6-3 Antilock Brake Installation (Continued)

Item	Part Number	Qty.	Description	Rev.
1	300122-104	2	ABS CABLE, 3 WIRE, 39.4 FT	
2	300122-006	2	ABS CABLE, 2-WIRE, 39.4 FT	
3	300020-004	4	ABS MODULATOR VALVE, 12 VDC	
4	200181-315	4	HEX HD CAPSCREW, 3/8-16X3-3/4, GR8	
5	200105-010	8	WASHER, 3/8, GR8	
6	200049-005	4	LOCKNUT, NYLOK, 3/8-16	
7	300122-104	2	ABS CABLE, 3 WIRE, 39.4 FT	
8	300122-006	4	ABS CABLE, 2 WIRE, 39.4 FT	
9	200069-101	2	SEAL PLUG	
10	200114-207	10	SOCKET TERMINAL, 16-18 GA	
11	200114-801	1	SECONDARY LOCK, 12 PIN, WEDGELOCK	
12	200114-004	1	BLACK CONNECTOR, 12 SOCKET, 14-18 GA	
13	200114-801	2	SECONDARY LOCK, 12 PIN, WEDGELOCK	
14	200069-101	10	CAVITY PLUG	
15	200114-207	14	SOCKET TERMINAL, 16-18 GA, GOLD	
16	200114-006	1	CONNECTOR, 12 SOCKET, 14-18 GA, BROWN	
17	200114-005	1	CONNECTOR, 12 SOCKET, 14-18 GA, GREEN	
18	300020-007	1	ABS ECU	
19	200108-001	3	WASHER, 1/4, 18-8	
20	200049-001	3	LOCKNUT, NYLOK, 1/4-20, GR2	
21	200039-106	3	HEX HD CAPSCREW, 1/4-20X1-1/2	
22		Ref	ABS TOGGLE SWITCH BRACKET, (see Figure 4-6 for details)	

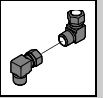
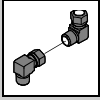


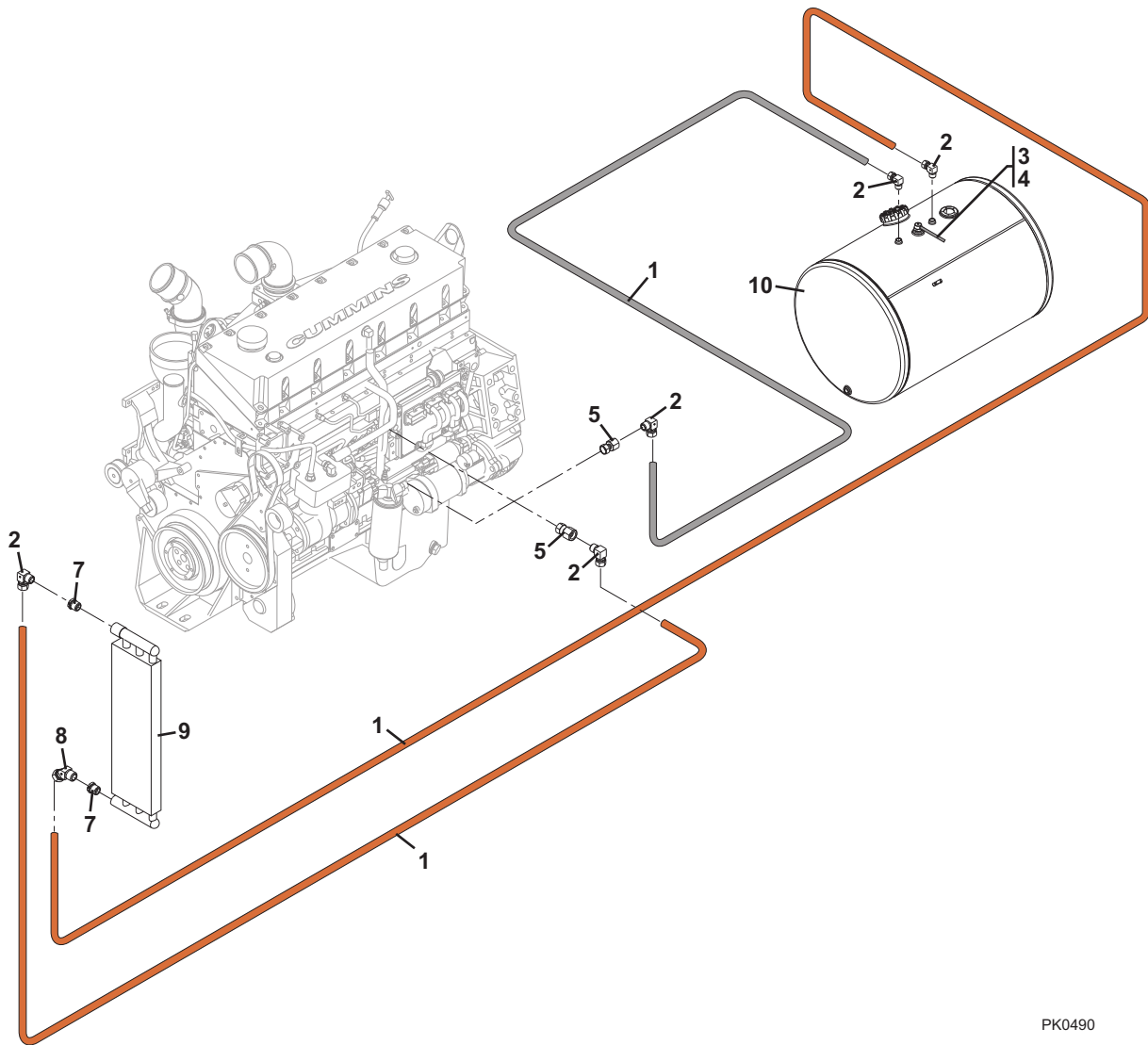
Figure 6-3 Antilock Brake Installation (Continued)

Item	Part Number	Qty.	Description	Rev.



CIRCUITS

Figure 6-4 Fuel System Installation



PK0490

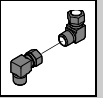
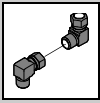


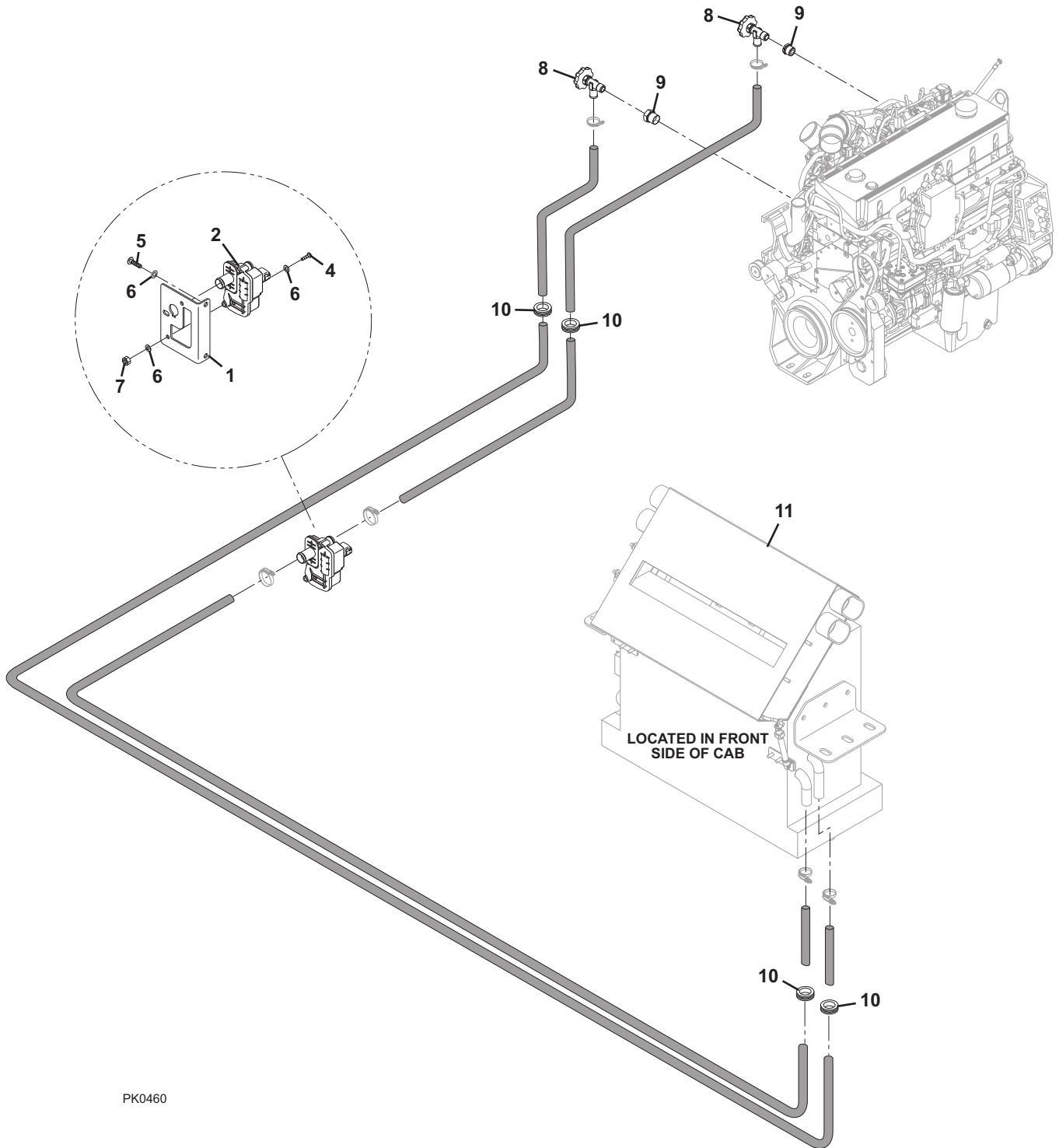
Figure 6-4 Fuel System Installation

Item	Part Number	Qty.	Description	Rev.
1	100001-101		TUBE, NYLON, DIESEL FUEL, HI TEMPERATURE, 5/8	
2	200012-310	5	ADAPTER, ELBOW, 90 DEG, 1/2 NPT X -10 NTA, BRASS	
3	300064-202	1	VALVE, SAFETY VENT, FUEL	
4	100038-003	1	HOSE, RUBBER, VACUUM, 5/16 DIA.	
5	200012-016	2	ADAPTER, STR, 1/2 FEMALE NPT X -10 FEMALE JIC SWIVEL	
7	200011-005	2	ADAPTER, BUSHING, 3/4 NPT X 1/2 FEMALE NPT	
8	200012-210	1	ADAPTER, ELBOW, 45 DEG, 1/2 NPT X -10 NTA, BRASS	
9	300064	1	FUEL COOLER	
10	300057-111	1	FUEL TANK, 75 GAL	



CIRCUITS

Figure 6-5 Heater Plumbing Installation



PK0460

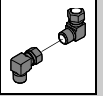
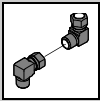


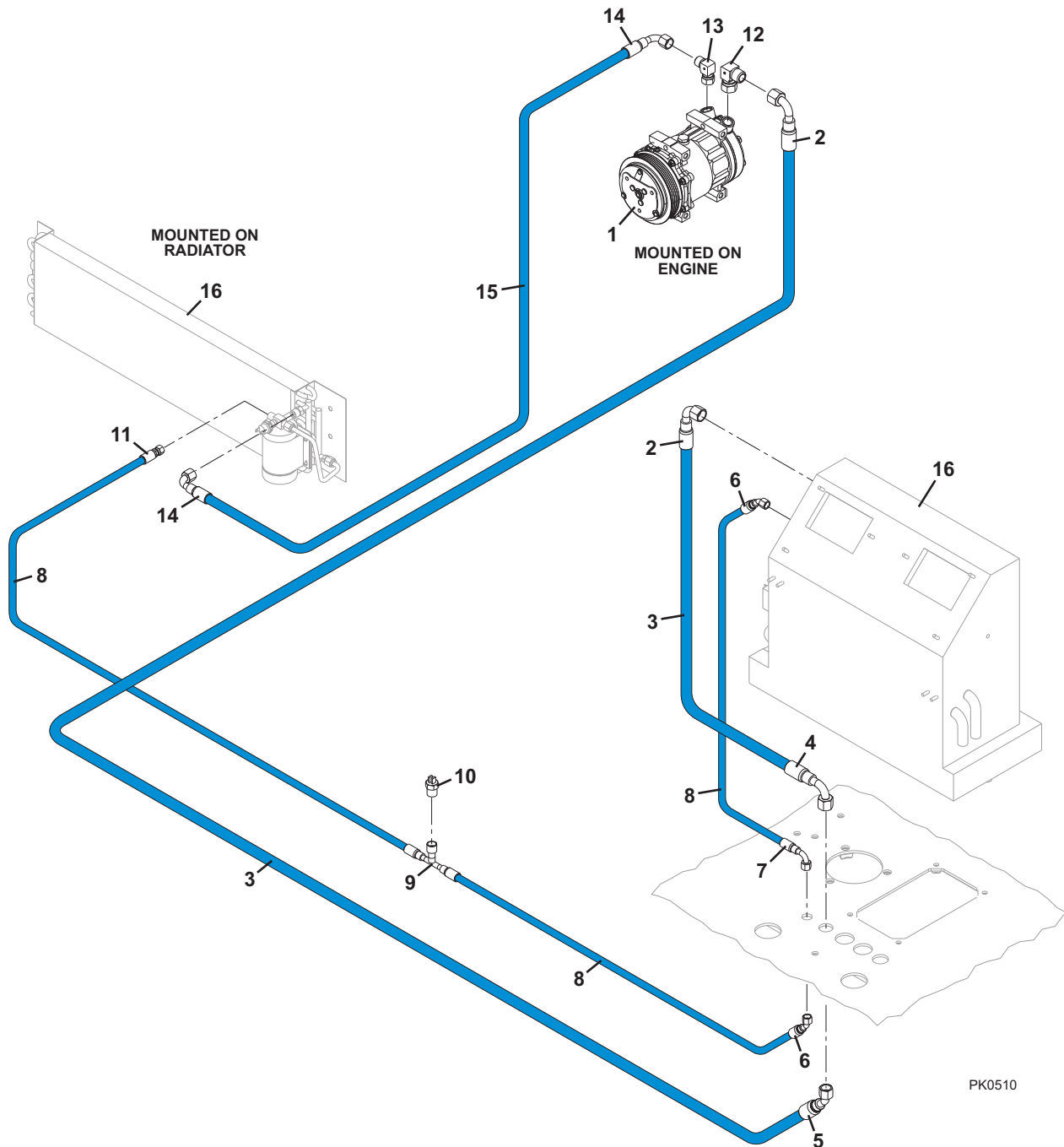
Figure 6-5 Heater Plumbing Installation

Item	Part Number	Qty.	Description	Rev.
1	700088-210	1	HEATER CONTROL	
2	300116-501	1	ELECTRIC HEATER VALVE KIT	
4	200039-103	2	HEX HD CAP SCREW, 1/4-20X1-1/4	
5	200037-008	2	TRUSS HD MACHINE SCREW, 1/4-20X1	
6	200108-001	6	FLAT WASHER, 1/4	
7	200049-001	2	HEX LOCKNUT, 1/4-20, GR2	
8	200061-003	2	VALVE, NEEDLE, 90 DEG, 3/8 NPT X 5/8 HOSE BEAD, BRASS	
9	200011-002	2	ADAPTER BUSHING, 1/2 NPT X 3/8 FEMALE NPT	
10	200047-002	4	GROMMET, 1 ID	
11		Ref	HEATER ASSY, (see Figure 4-12 for details)	



CIRCUITS

Figure 6-6 A/C Plumbing Installation



PK0510

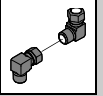
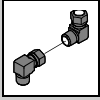


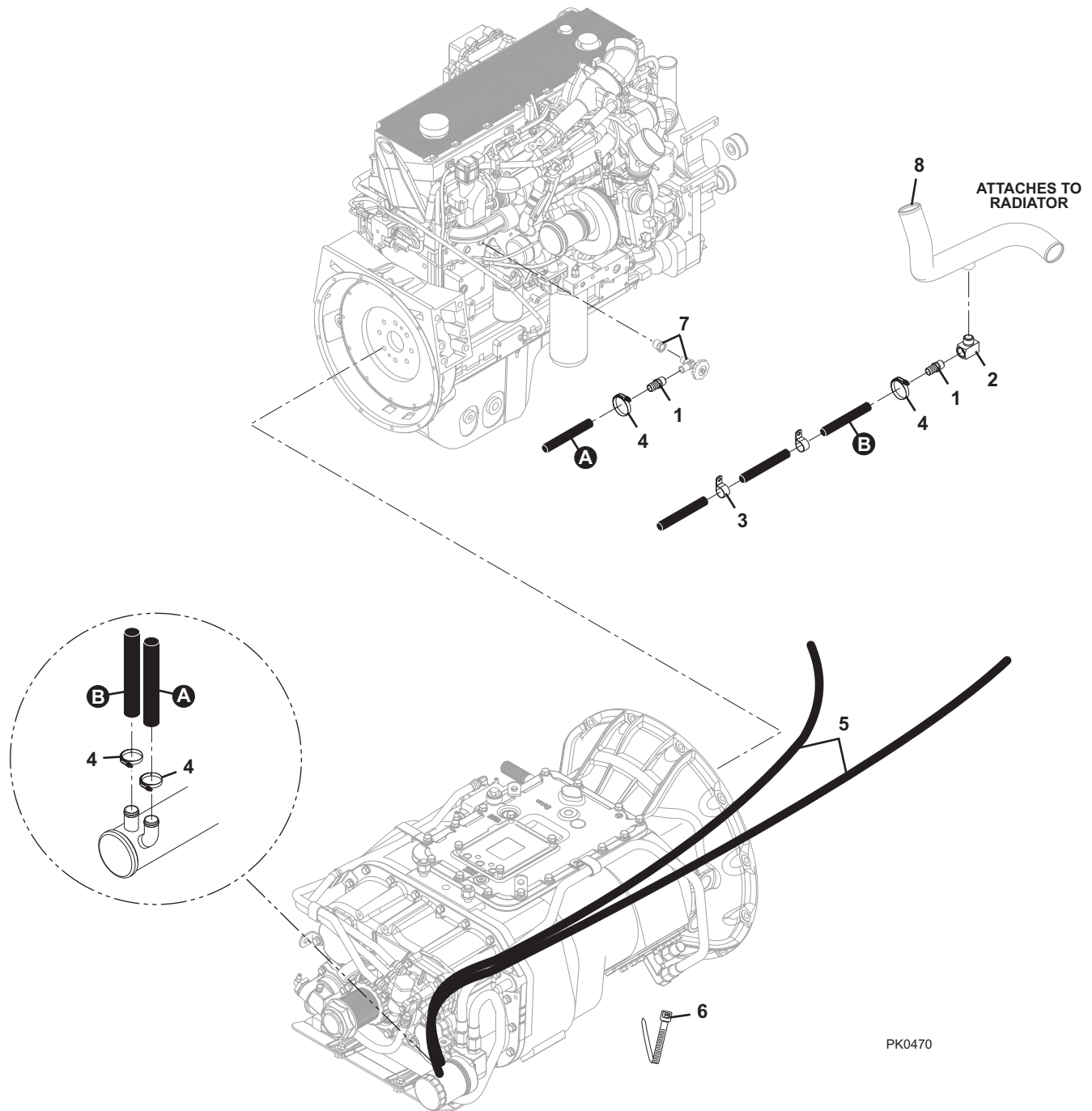
Figure 6-6 A/C Plumbing Installation

Item	Part Number	Qty.	Description	Rev.
1	300074-011	1	COMPRESSOR, REFRIGERANT, R134a, 155 CC	
2	200151-015	2	FITTING-#10FEMALE 90 DEG	
3	100082-003		HOSE-AC #10	
4	200151-001	1	FITTING-AC-90 BULKHEAD # 10	
5	200151-206	1	HOSE END, 45 DEG, -10 FEMALE O-RING SWIVEL X -10 HOSE	
6	200151-204	2	FITTING-A/C #6-FEMALE-45 DEG	
7	200151-002	1	FITTING-AC 90 BULKHEAD #6	
8	100082-001		HOSE-AC #6	
9	200151-116	1	FITTING, STRAIGHT, W/CH PORT, #6-6 HOSE	
10	200041-091	1	SWITCH, PRESSURE, A/C	
11	200151-102	1	FTG-AC-STR-FEM-#6	
12	200151-012	1	FTG-SERVICE 1"-14 FEM/#10 ML	
13	200151-011	1	FTG-SERVICE 1"-14 FEM/#8 ML	
14	200151-006	2	FTG.-90 DEG #8 FEMALE	
15	100082-002		HOSE-AC #8	
16		Ref	HEATER ASSY, (see Figure 4-12 for details)	



CIRCUITS

Figure 6-7 Transmission Oil cooler Installation



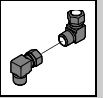
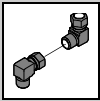


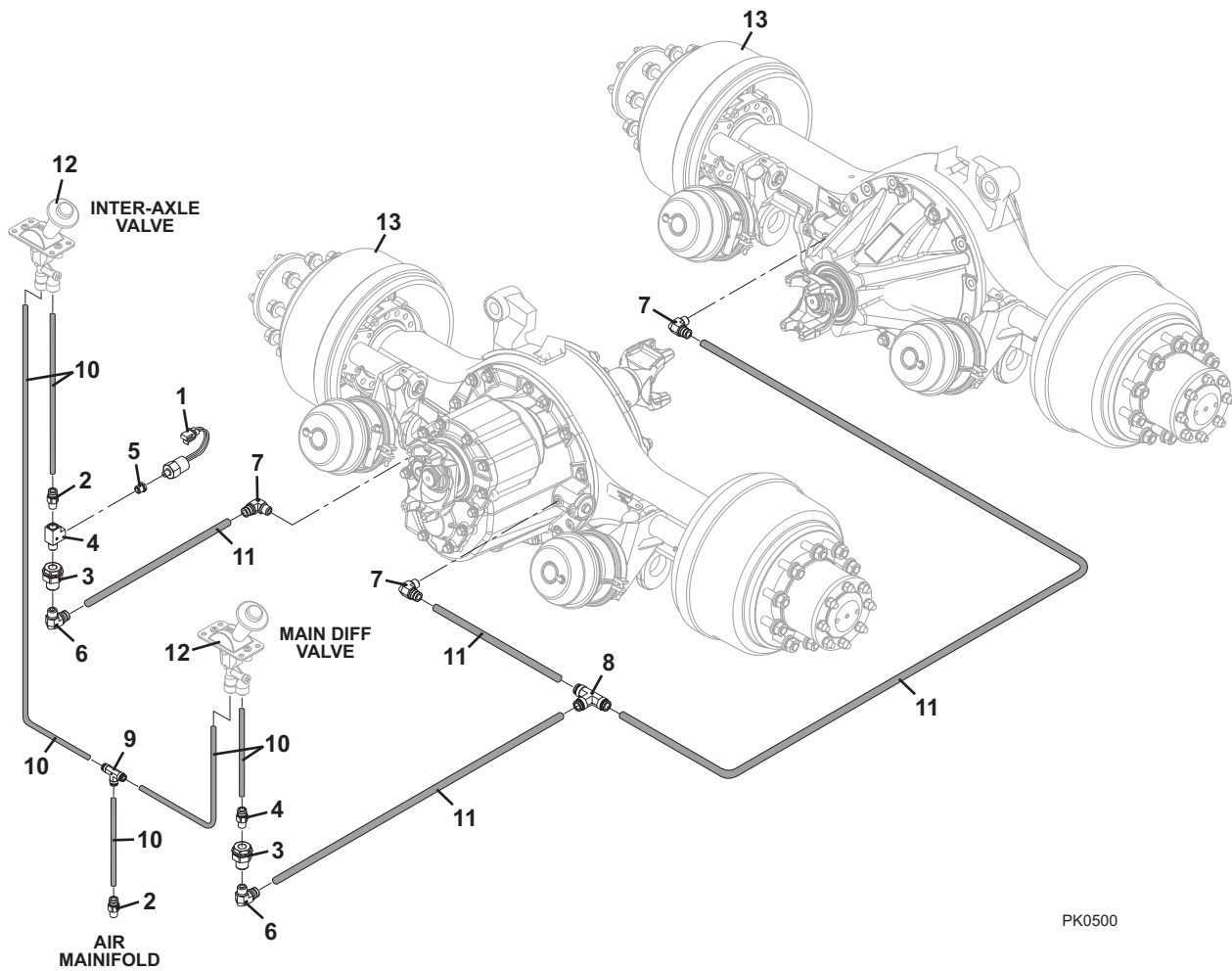
Figure 6-7 Transmission Oil cooler Installation

Item	Part Number	Qty.	Description	Rev.
1	200022-003	2	STRAIGHT CONNECTOR, 3/4 NPT X 3/4 HOSE BARB	
2	200012-312	1	STREET ELBOW, 90 DEGREES, 3/4 NPT	
3	200008-019	3	CLAMP, 1-1/8	
4	200004-001	4	HOSE CLAMP, CONSTANT TENSION, 9/16 - 1-1/16	
5	100002-005	15 ft	LOW PRESSURE HOSE, PUSH-LOK, 3/4 ID	
6		AR	TY-RAP	
7		Ref	HVAC FITTING ASSY, (see Figure 6-5 for details)	
8		Ref	RADIATOR HOSE ASSY, (see Figure 2-4 for details)	



CIRCUITS

Figure 6-8 Rear Axle Plumbing Installation



PK0500

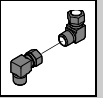
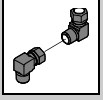


Figure 6-8 Rear Axle Plumbing Installation

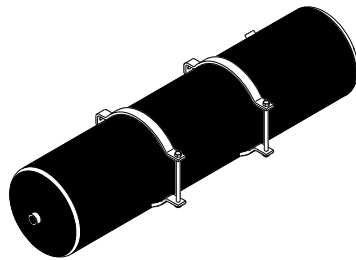
Item	Part Number	Qty.	Description	Rev.
1	200041-084	1	SWITCH, PRESSURE, AIR, SC, 4 PSI, W/CONN	
2	200012-102	3	ADAPTER, STR, 1/4 NPT X -4 AB TUBE, BRASS	
3	200010-001	1	ANCHOR COUPLING, 1/4 NPT, BRASS	
4	200089-103	1	APAPTER, TEE, STREET, 1/4 NPT, BRASS	
5	200025-208	1	ADAPTER, BUSHING, 1/4 NPT X 1/8 FEMALE NPT, BRASS	
6	200018-004	2	ADAPTER, ELBOW, 90 DEG, 1/4 NPT X -6 AB TUBE, BRASS	
7	200018-005	3	ADAPTER, ELBOW, 90 DEG, 3/8 NPT X -6 AB TUBE, BRASS	
8	200032-102	1	ADAPTER, TEE, -6 AB TUBE, BRASS	
9	200032-106	1	ADAPTER, TEE, -4 AB TUBE, BRASS	
10	100001-004		TUBE, NYLON, AIR BRAKE, 1/4 DIA, SILVER	
11	100001-010		TUBE, NYLON, AIR BRAKE, 3/8 DIA, SILVER	
12		Ref	AXLE CONTROL VALVES, (see Figure 5-7 for details)	
13		Ref	REAR AXLE ASSY, (see Figure 3-6 for details)	



CIRCUITS

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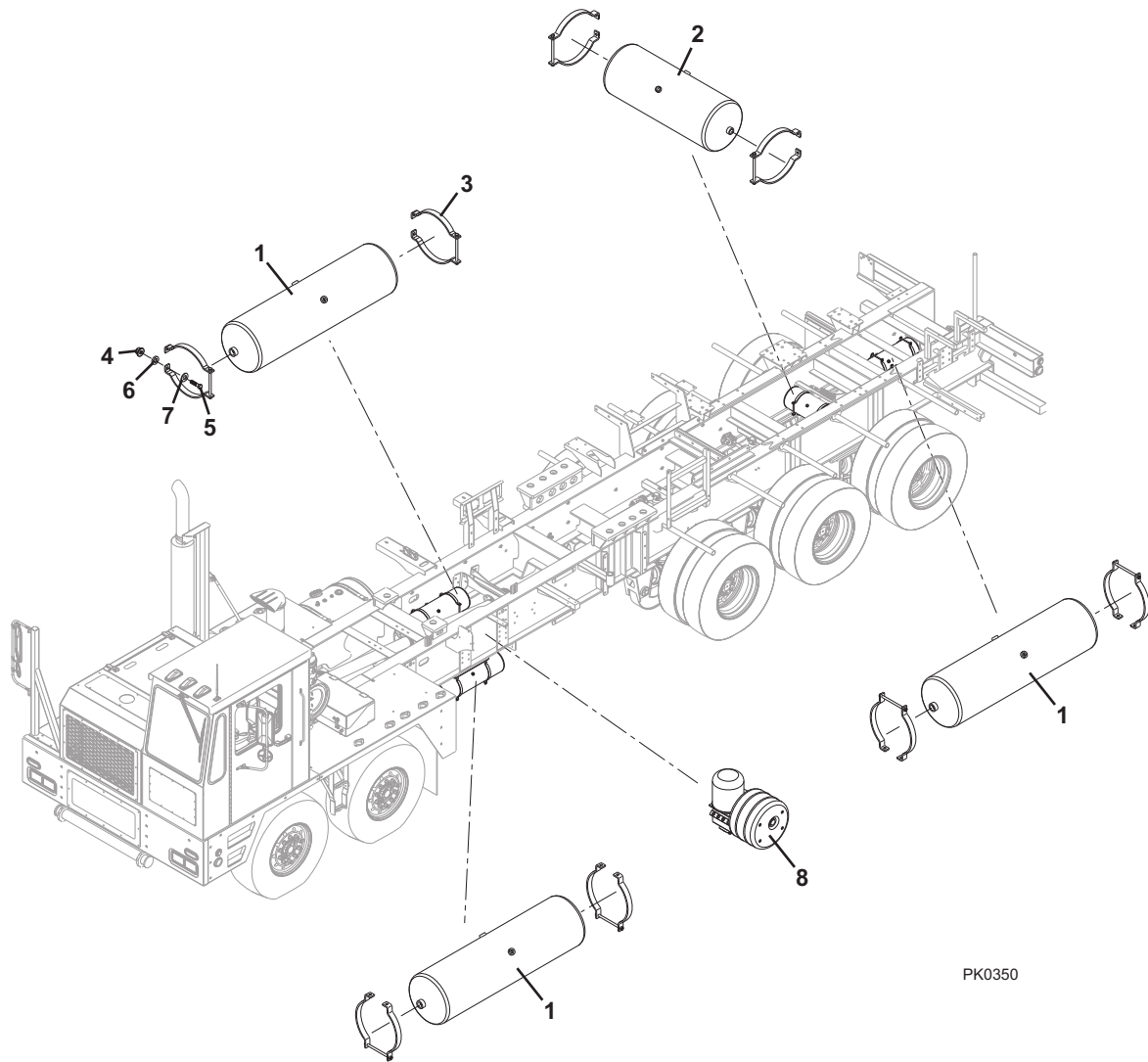
SECTION 7 AIR SYSTEM





AIR SYSTEM

Figure 7-1 Air System Components



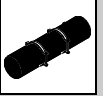


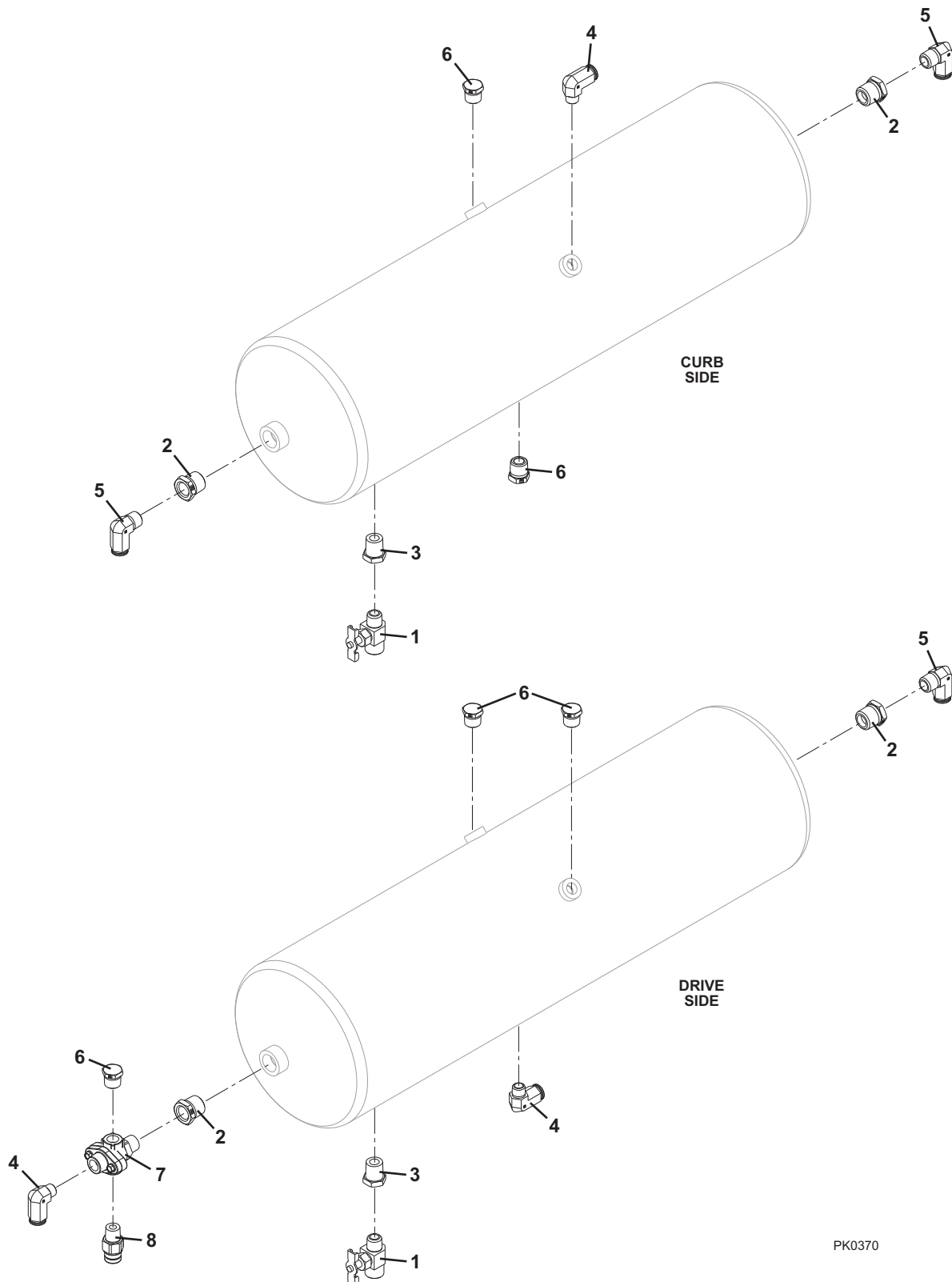
Figure 7-1 Air System Components

Item	Part Number	Qty.	Description	Rev.
1	300059-004	5	AIR TANK, 9-1/2X36 LG	
2	300059-001	1	AIR TANK, 9-1/2X27 LG	
3	300091-001	12	AIR TANK STRAP, 9-1/2	
4	200001-105	24	HEX FLANGE NUT, STOVER, 3/8-16	
5	200180-305	24	HEX HD CAP SCREW, 3/8-16X1-1/4	
6	200054-005	24	LOCKWASHER, 3/8	
7	200105-010	24	FLAT WASHER, 3/8 DIA	
8	300068-007	1	AIR DRYER, INTEGRATED MANIFOLD, 12VDC	



AIR SYSTEM

Figure 7-2 Primary Tank Assembly



PK0370

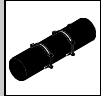
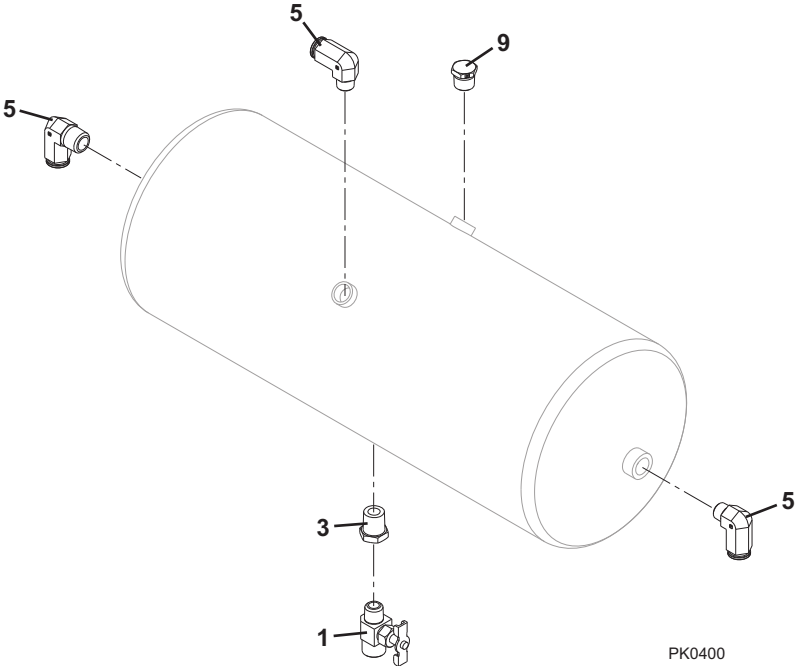


Figure 7-2 Primary Tank Assembly (Continued)





AIR SYSTEM

Figure 7-2 Primary Tank Assembly (Continued)

Item	Part Number	Qty.	Description	Rev.
1	200061-002	3	VALVE, NEEDLE, 1/4 NPT	
2	200025-209	4	ADAPTER, BUSHING, 3/4 NPT X 1/2 FEMALE NPT, BRASS	
3	200025-206	3	ADAPTER, BUSHING, 1/2 NPT X 1/4 FEMALE NPT, BRASS	
4	200012-309	3	ADAPTER, ELBOW, 90 DEG, 3/8 NPT X -10 AB TUBE, BRASS	
5	200018-009	6	ADAPTER, ELBOW, 90 DEG, 1/2 NPT X -10 AB TUBE, BRASS	
6	200027-101	5	PLUG, PIPE, HEX HD, BRASS, 3/8 NPT	
7	200061-107	1	VALVE, DOUBLE CHECK, 1/2 NPT	
8	200012-110	1	ADAPTER, STR, 3/8 NPT X -6 AB TUBE, BRASS	
9	200027-102	1	PLUG, PIPE, HEX HD, 1/2 NPT, BRASS	



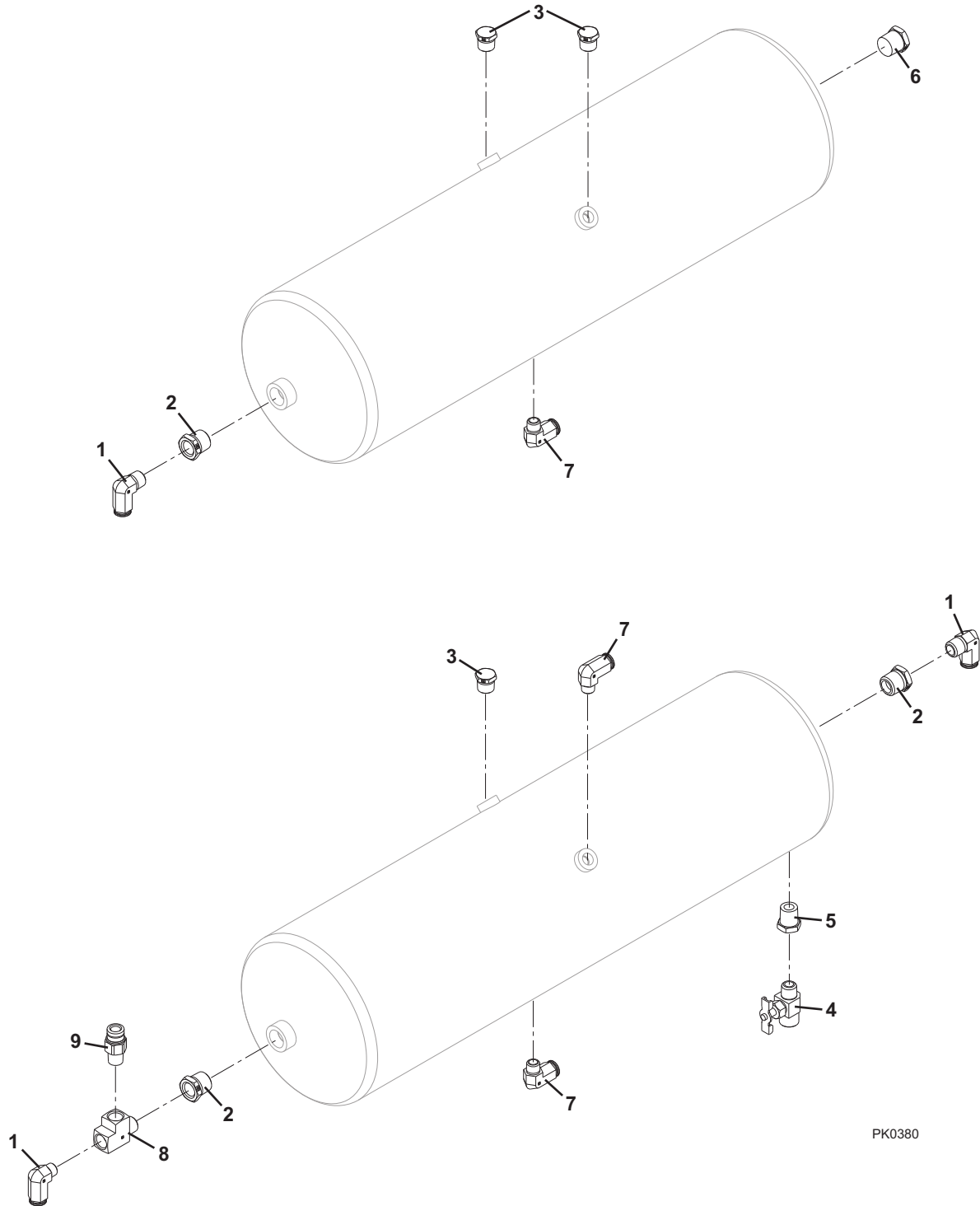
Figure 7-2 Primary Tank Assembly (Continued)

Item	Part Number	Qty.	Description	Rev.



AIR SYSTEM

Figure 7-3 Secondary Air Tank Assembly



PK0380

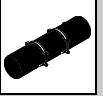


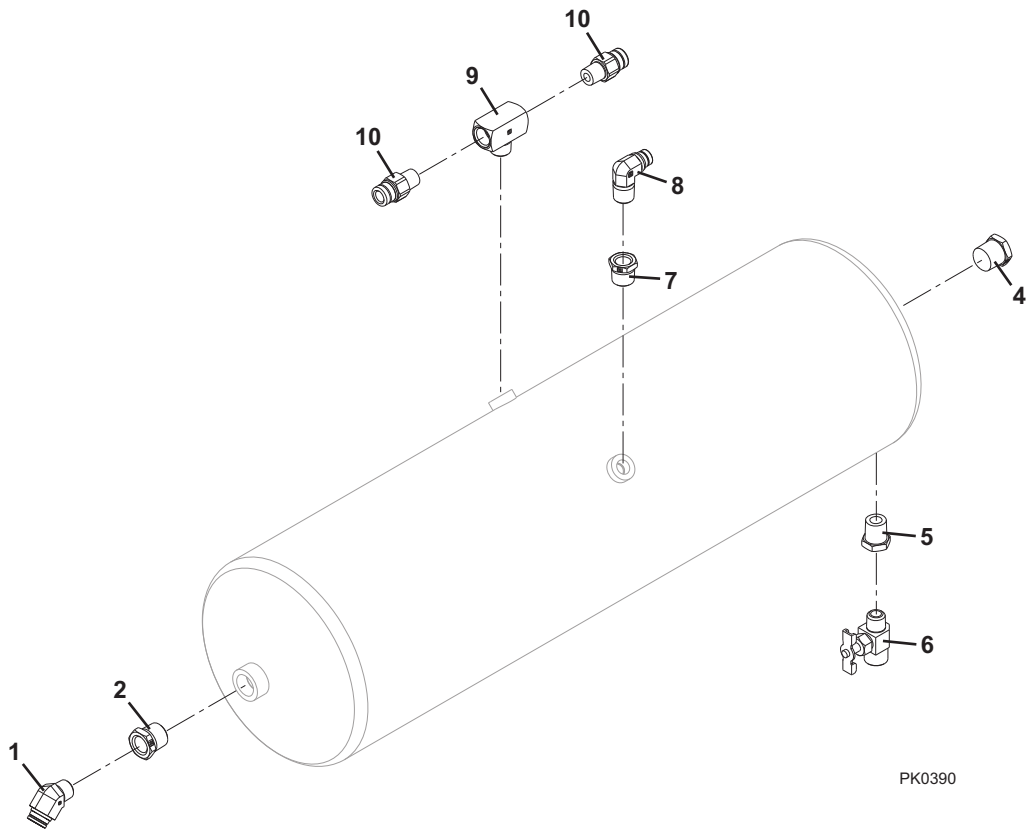
Figure 7-3 Secondary Air Tank Assembly

Item	Part Number	Qty.	Description	Rev.
1	200018-009	3	ADAPTER, ELBOW, 90 DEG, 1/2 NPT X -10 AB TUBE, BRASS	
2	200025-206	3	ADAPTER, BUSHING, 1/2 NPT X 1/4 FEMALE NPT, BRASS	
3	200027-101	1	PLUG, PIPE, HEX HD, BRASS, 3/8 NPT	
4	200062-002	2	ADAPTER, STR, BULKHEAD, 1/8 FEMALE NPT X -4 JIC	
5	200025-206	2	ADAPTER, BUSHING, 1/2 NPT X 1/4 FEMALE NPT, BRASS	
6	200027-103	1	PLUG, PIPE, HEX HD, BRASS, 3/4 NPT	
7	200012-309	2	ADAPTER, ELBOW, 90 DEG, 3/8 NPT X -10 AB TUBE, BRASS	
8	200089-102	1	ADAPTER, TEE, STREET, 1/2 NPT, BRASS	
9	200012-107	1	ADAPTER, STR, 1/2 NPT X -10 AB TUBE, BRASS	



AIR SYSTEM

Figure 7-4 Auxilliary Air Tank



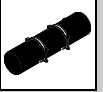


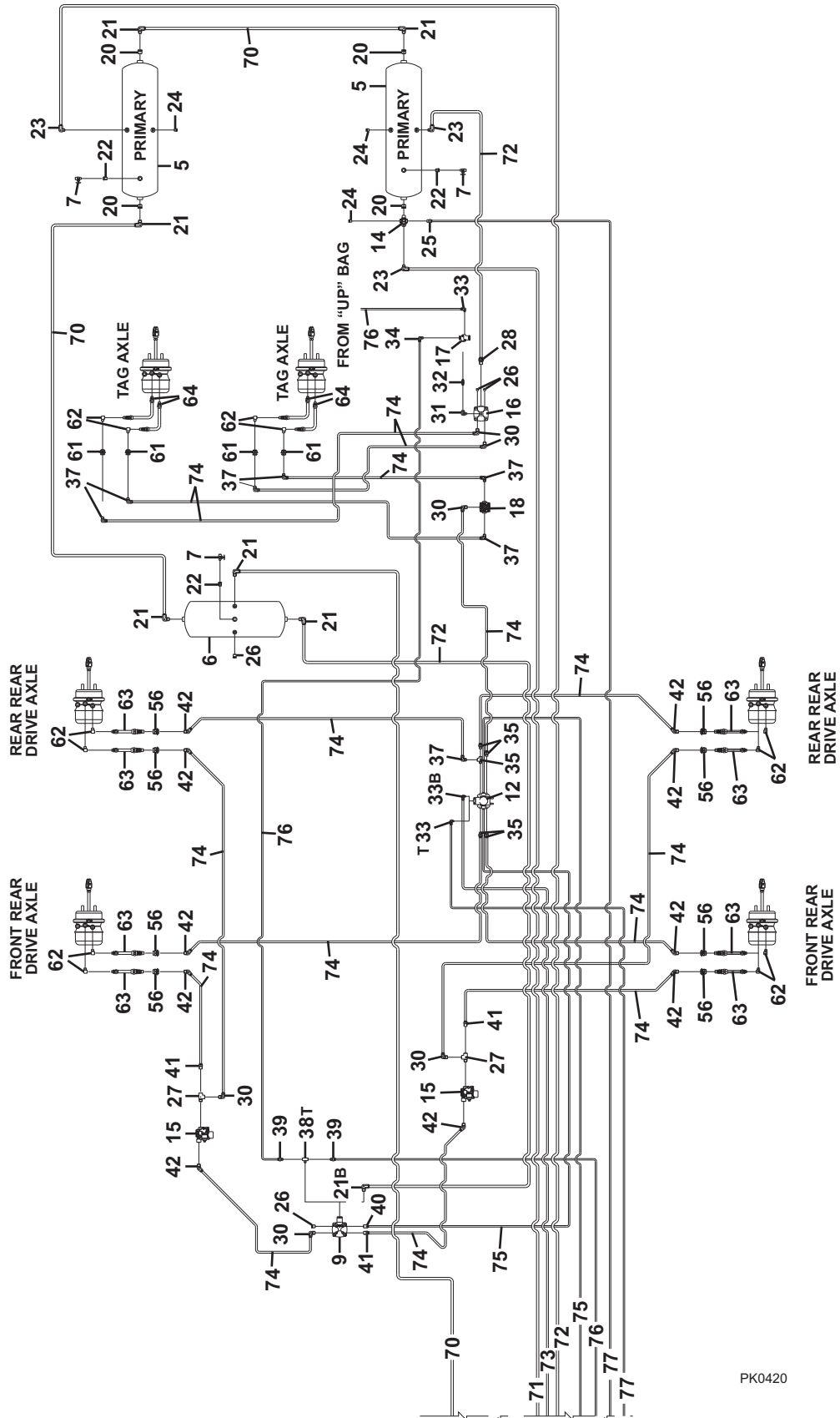
Figure 7-4 Auxilliary Air Tank

Item	Part Number	Qty.	Description	Rev.
1	200012-206	1	ADAPTER, ELBOW, 45 DEG, 1/2 NPT X -10 AB TUBE, BRASS	
2	200025-209	1	ADAPTER, BUSHING, 3/4 NPT X 1/2 FEMALE NPT, BRASS	
4	200027-103	1	PLUG, PIPE, HEX HD, BRASS, 3/4 NPT	
5	200061-026	1	VALVE, AIRMAN PILOT, LIFT AXLE	
6	200025-209	1	ADAPTER, BUSHING, 3/4 NPT X 1/2 FEMALE NPT, BRASS	
7	200025-202	1	ADAPTER, BUSHING, 3/8 NPT X 1/4 FEMALE NPT, BRASS	
8	200018-001	1	ADAPTER, ELBOW, 90 DEG, 1/4 NPT X -4 AB TUBE, BRASS	
9	200025-206	1	ADAPTER, BUSHING, 1/2 NPT X 1/4 FEMALE NPT, BRASS	
10	200012-110	2	ADAPTER, STR, 3/8 NPT X -6 AB TUBE, BRASS	



AIR SYSTEM

Figure 7-5 Air Brake Schematic



PK0420

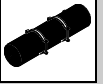
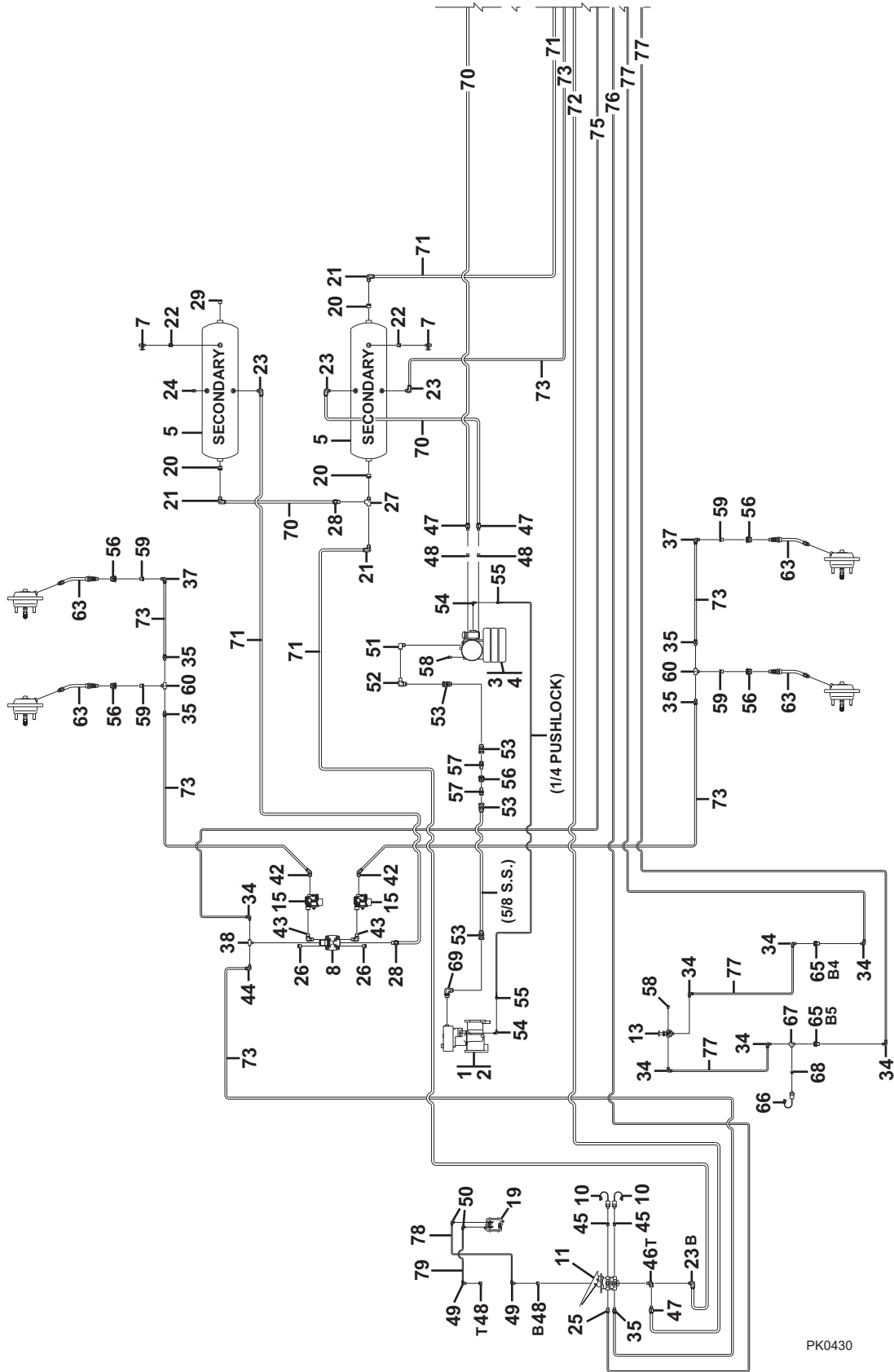


Figure 7-5 Air Brake Schematic (Continued)





AIR SYSTEM

Figure 7-5 Air Brake Schematic (Continued)

Item	Part Number	Qty.	Description	Rev.
1		Ref	COMPRESSOR (ON ENGINE)	
2		Ref	SAFETY VALVE (ON COMPRESSOR)	
3		Ref	AIR DRYER, (see Figure 7-1 for details)	
4		Ref	GOVERNOR (ON AIR DRYER)	
5		Ref	AIR TANK, 9-1/2X36, (see Figure 7-1 for details)	
6		Ref	AIR TANK, 9-1/2X27, (see Figure 7-1 for details)	
7	200061-002	5	VALVE, NEEDLE, 1/4 NPT	
8	200061-706	1	VALVE, RELAY, R-14, 4 PSI CRACK	
9	200061-709	1	VALVE, RELAY, R-14, 5.5 PSI CRACK	
10	200041-084	2	SWITCH, PRESSURE, AIR, SC, 4 PSI, W/CONN	
11	300032	1	TREADLE VALVE	
12	200061-708	1	VALVE, SPRING BRAKE/RELAY, SR-7, PTC	
13	200061-501	1	VALVE, CONTROL, SPRING BRAKE, PP-1	
14	200061-107	1	VALVE, DOUBLE CHECK, 1/2 NPT	
15	300020-004	4	VALVE, MODULATOR, ABS, 12 VDC	
16	200061-710	1	VALVE, RELAY, R-12, 5.5 PSI CRACK	
17	200061-301	1	VALVE, INVERSION, TR-3	
18	200061-603	1	VALVE, QUICK RELEASE, QR-1, 5-8 PSI CRACK	
19	300058-100	1	SENSOR, AIR PRESSURE TRANSDUCER, DUAL, MULTIPLEX	
20	200025-209	7	ADAPTER, BUSHING, 3/4 NPT X 1/2 FEMALE NPT, BRASS	
21	200018-009	10	ADAPTER, ELBOW, 90 DEG, 1/2 NPT X -10 AB TUBE, BRASS	
22	200025-206	5	ADAPTER, BUSHING, 1/2 NPT X 1/4 FEMALE NPT, BRASS	
23	200012-309	7	ADAPTER, ELBOW, 90 DEG, 3/8 NPT X -10 AB TUBE, BRASS	
24	200027-101	4	PLUG, PIPE, HEX HD, BRASS, 3/8 NPT	
25	200012-110	2	ADAPTER, STR, 3/8 NPT X -6 AB TUBE, BRASS	
26	200027-102	6	PLUG, PIPE, HEX HD, 1/2 NPT, BRASS	
27	200089-102	3	ADAPTER, TEE, STREET, 1/2 NPT, BRASS	
28	200012-107	3	ADAPTER, STR, 1/2 NPT X -10 AB TUBE, BRASS	
29	200027-103	1	PLUG, PIPE, HEX HD, BRASS, 3/4 NPT	
30	200018-008	6	ADAPTER, ELBOW, 90 DEG, 1/2 NPT X -8 AB TUBE, BRASS	
31	200021-002	1	ADAPTER, ELBOW, 90 DEG, STREET, 1/4 NPT	
32	200025-003	1	ADAPTER, STR, NIPPLE, 1/4 NPT	
33	200018-003	3	ADAPTER, ELBOW, 90 DEG, 1/8 NPT X -6 AB TUBE, BRASS	
34	200018-004	8	ADAPTER, ELBOW, 90 DEG, 1/4 NPT X -6 AB TUBE, BRASS	
35	200012-105	9	ADAPTER, STR, 3/8 NPT X -8 AB TUBE, BRASS	
36	200089-101	1	ADAPTER, TEE, STREET, 3/8 NPT, BRASS	
37	200018-007	9	ADAPTER, ELBOW, 90 DEG, 3/8 NPT X -8 AB TUBE, BRASS	
38	200089-202	2	ADAPTER, TEE, BRANCH, 1/4 NPT, BRASS	
39	200012-103	2	ADAPTER, STR, 1/4 NPT X -6 AB TUBE, BRASS	
40	200012-113	1	ADAPTER, STR, 1/2 NPT X -6 AB TUBE, BRASS	
41	200012-109	3	ADAPTER, STR, 1/2 NPT X -8 AB TUBE, BRASS	
42	200012-201	11	ADAPTER, ELBOW, 45 DEG, 1/2 NPT X -8 AB TUBE, BRASS	
43	200017-013	2	ADAPTER, ELBOW, 90 DEG, 1/2 NPT X 1/2 NPT, STEEL	
44	200018-006	1	ADAPTER, ELBOW, 90 DEG, 1/4 NPT X -8 AB TUBE, BRASS	
45	200025-205	3	ADAPTER, BUSHING, 3/8 NPT X 1/8 FEMALE NPT, BRASS	
46	200021-102	1	ADAPTER, ELBOW, 90 DEG, STREET, 3/8 NPT, BRASS	
47	200012-106	3	ADAPTER, STR, 3/8 NPT X -10 TUBE, BRASS	
48	200025-202	4	ADAPTER, BUSHING, 3/8 NPT X 1/4 FEMALE NPT, BRASS	
49	200018-001	2	ADAPTER, ELBOW, 90 DEG, 1/4 NPT X -4 AB TUBE, BRASS	



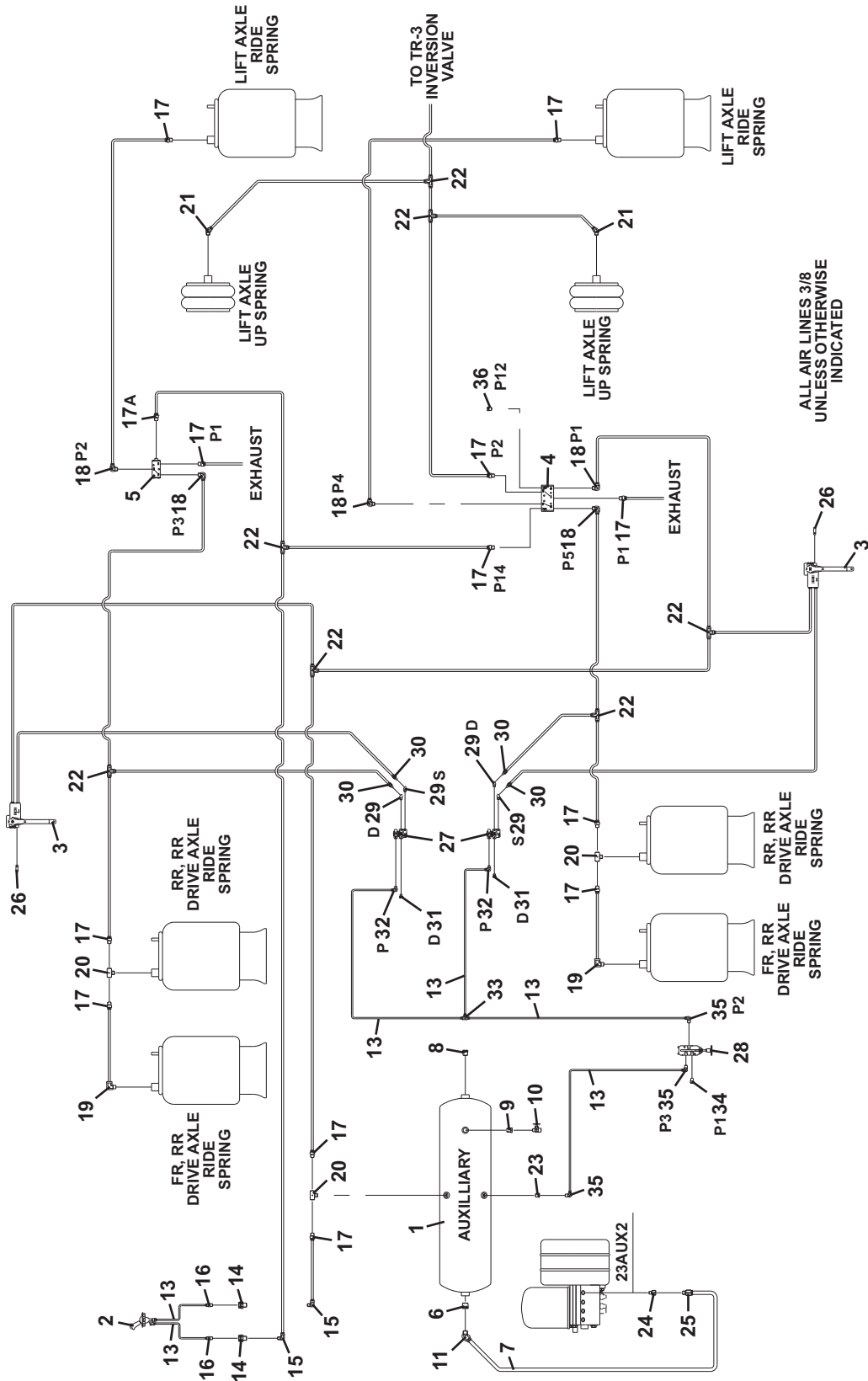
Figure 7-5 Air Brake Schematic (Continued)

Item	Part Number	Qty.	Description	Rev.
50	200018-010	2	ADAPTER, ELBOW, 90 DEG, 1/8 NPT X -4 AB TUBE, BRASS	
51	200012-301	1	ADAPTER, ELBOW, 90 DEG, 1/2 NPT, BRASS	
52	200017-004	1	ADAPTER, ELBOW, 90 DEG, 1/2 NPT X -12 JIC	
53	200030-301	4	HOSE END, STR, -12 FEMALE JIC SWIVEL X -10 HOSE	
54	200017-001	2	ADAPTER, ELBOW, 90 DEG, 1/8 NPT X -4 JIC	
55	200030-406	2	HOSE END, STR, -4 JIC FEMALE SWIVEL X -4 PUSHLOK BRASS	
56	200010-003	13	ANCHOR COUPLING, 1/2 NPT, BRASS	
57	200113-004	2	ADAPTER, STR, 1/2 NPT X -12 JIC	
58	200027-100	2	PLUG, PIPE, HEX HD, 1/4 NPT, BRASS	
59	200025-203	4	ADAPTER, BUSHING, 1/2 NPT X 3/8 FEMALE NPT, BRASS	
60	200089-201	2	ADAPTER, TEE, BRANCH, 3/8 NPT, BRASS	
61	200010-002	4	ANCHOR COUPLING, 3/8 NPT, BRASS	
62	200012-304	12	ADAPTER, ELBOW, 90 DEG, STREET, 3/8 NPT, BRASS	
63	200104-058	12	ASSY, HOSE, FMVSS 106 AIR BRAKE, 1/2 DIA X 36 LG	
64	200104-004	4	ASSY, HOSE, FMVSS 106 AIR BRAKE, 3/8 DIA X 36 LG	
65	200010-001	2	ANCHOR COUPLING, 1/4 NPT, BRASS	
66	200041-092	1	SWITCH, PRESSURE, DUAL CIRCUIT W/CONN, 5PSI	
67	200089-103	1	ADAPTER, TEE, STREET, 1/4 NPT, BRASS	
68	200025-208	1	ADAPTER, BUSHING, 1/4 NPT X 1/8 FEMALE NPT, BRASS	
69	200019-003	1	ADAPTER, ELBOW, 90 DEG, -12 SAE O-RING X -12 JIC	
70	100001-022		TUBE, NYLON, AIR BRAKE, 5/8 DIA, BLACK	
71	100001-019		TUBE, NYLON, AIR BRAKE, 5/8 DIA, RED	
72	100001-018		TUBE, NYLON, AIR BRAKE, 5/8 DIA, GREEN	
73	100001-014		TUBE, NYLON, AIR BRAKE, 1/2 DIA, RED	
74	100001-013		TUBE, NYLON, AIR BRAKE, 1/2 DIA, GREEN	
75	100001-007		TUBE, NYLON, AIR BRAKE, 3/8 DIA, RED	
76	100001-006		TUBE, NYLON, AIR BRAKE, 3/8 DIA, GREEN	
77	100001-008		TUBE, NYLON, AIR BRAKE, 3/8 DIA, YELLOW	
78	100001-003		TUBE, NYLON, AIR BRAKE, 1/4 DIA, RED	
79	100001-002		TUBE, NYLON, AIR BRAKE, 1/4 DIA, GREEN	
80	100037-001		HOSE, TEFLON, STNL STL BRAID COVER, 5/8 DIA	
81	100002-001		HOSE, LOW PRESSURE, PUSH-LOK, 1/4 ID	



AIR SYSTEM

Figure 7-6 Air Suspension Schematic



PK0440



Figure 7-6 Air Suspension Schematic

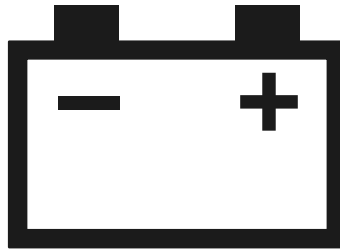
Item	Part Number	Qty.	Description	Rev.
1		Ref	AIR TANK, 9-1/2X36, (see Figure 7-1 for details)	
2	200061-005	1	VALVE, CONTROL, DIRECTIONAL, PNEUMATIC, 2-POS, 3-WAY	
3	200061-015	2	KIT, VALVE, HEIGHT CONTROL, SUSPENSION	
4	200061-025	1	VALVE, PILOT, LIFT AXLE	
5	200061-026	1	VALVE, AIRMAN PILOT, LIFT AXLE	
6	200025-209	1	ADAPTER, BUSHING, 3/4 NPT X 1/2 FEMALE NPT, BRASS	
7	100001-022		TUBE, NYLON, AIR BRAKE, 5/8 DIA, BLACK	
8	200027-103	1	PLUG, PIPE, HEX HD, BRASS, 3/4 NPT	
9	200025-206	1	ADAPTER, BUSHING, 1/2 NPT X 1/4 FEMALE NPT, BRASS	
10	200061-002	1	VALVE, NEEDLE, 1/4 NPT	
11	200012-206	1	ADAPTER, ELBOW, 45 DEG, 1/2 NPT X -10 AB TUBE, BRASS	
12	100001-010		TUBE, NYLON, AIR BRAKE, 3/8 DIA, SILVER	
13	100001-004		TUBE, NYLON, AIR BRAKE, 1/4 DIA, SILVER	
14	200010-001	2	ANCHOR COUPLING, 1/4 NPT, BRASS	
15	200018-004	2	ADAPTER, ELBOW, 90 DEG, 1/4 NPT X -6 AB TUBE, BRASS	
16	200012-102	2	ADAPTER, STR, 1/4 NPT X -4 AB TUBE, BRASS	
17	200012-110	13	ADAPTER, STR, 3/8 NPT X -6 AB TUBE, BRASS	
18	200018-005	5	ADAPTER, ELBOW, 90 DEG, 3/8 NPT X -6 AB TUBE, BRASS	
19	200021-102	2	ADAPTER, ELBOW, 90 DEG, STREET, 3/8 NPT, BRASS	
20	200089-201	3	ADAPTER, TEE, BRANCH, 3/8 NPT, BRASS	
21	200012-204	2	ADAPTER, ELBOW, 45 DEG, 3/8 NPT X -6 AB TUBE, BRASS	
22	200032-102	7	ADAPTER, TEE, -6 AB TUBE, BRASS	
23	200025-202	1	ADAPTER, BUSHING, 3/8 NPT X 1/4 FEMALE NPT, BRASS	
24	200029-102	1	ADAPTER, REDUCER, 1/4 NPT X 3/8 FEMALE NPT, BRASS	
25	200012-106	1	ADAPTER, STR, 3/8 NPT X -10 TUBE, BRASS	
26	200028-603	2	PLUG, TUBE, AIR BRAKE, 3/8 DIA	
27	200061-016	2	VALVE, AIR, RAPID DUMP	
28	200061-506	1	VALVE, PUSH/PULL, 3 PORT, 1/4 NPT	
29	200020-101	4	ADAPTER, ELBOW, 45 DEG, STREET, 1/8 NPT, BRASS	
30	200012-108	4	ADAPTER, STR, 1/8 NPT X -6 AB TUBE, BRASS	
31	200027-003	2	PLUG, PIPE, 1/8 NPT, STL	
32	200018-010	2	ADAPTER, ELBOW, 90 DEG, 1/8 NPT X -4 AB TUBE, BRASS	
33	200032-106	1	ADAPTER, TEE, -4 AB TUBE, BRASS	
34	300110-003	1	EXHAUST PROTECTOR, 1/4 NPT	
35	200018-001	3	ADAPTER, ELBOW, 90 DEG, 1/4 NPT X -4 AB TUBE, BRASS	
36	200027-101	1	PLUG, PIPE, HEX HD, BRASS, 3/8 NPT	

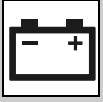


AIR SYSTEM

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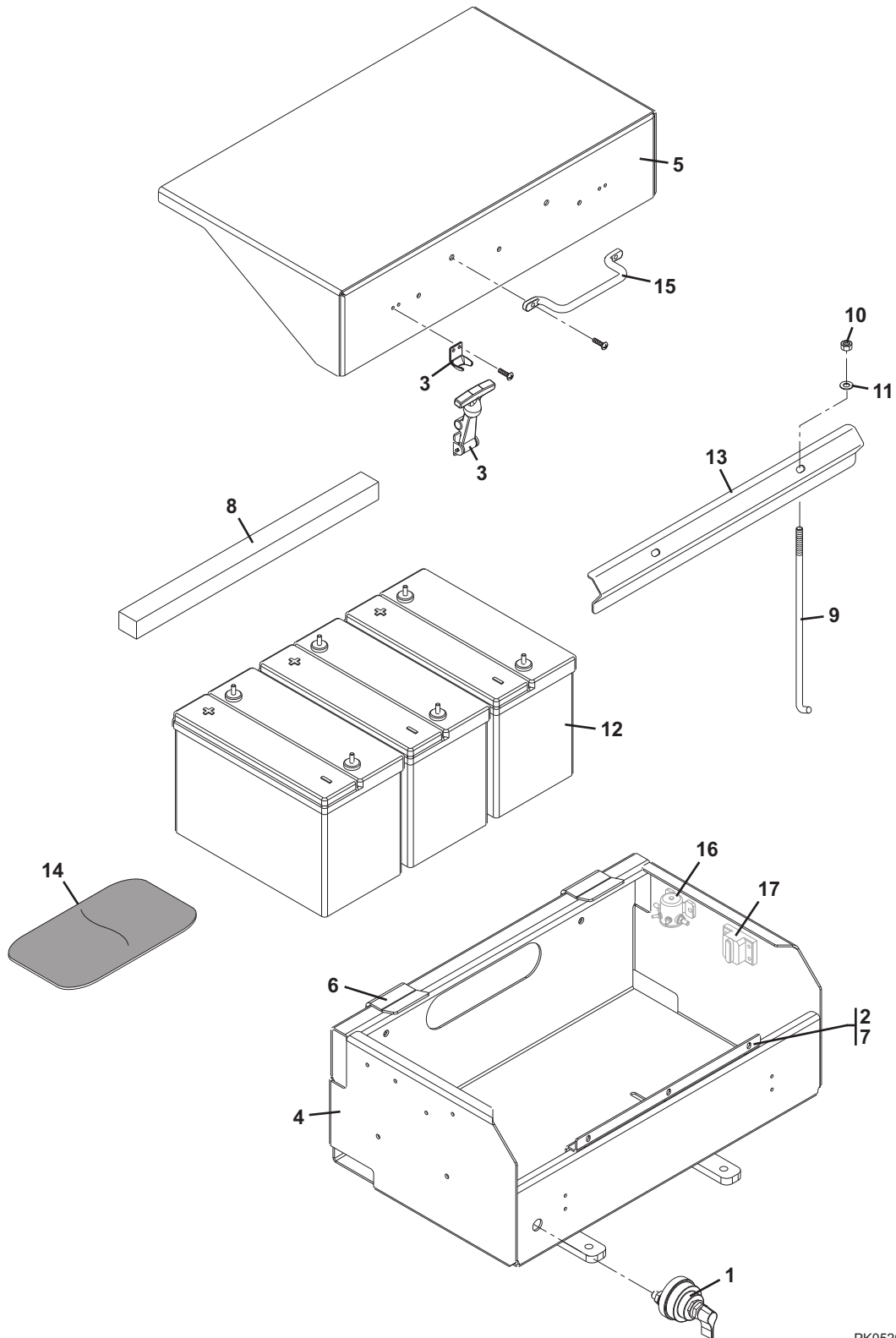
SECTION 8 ELECTRICAL





ELECTRICAL

Figure 8-1 Battery Box Assembly



PK0520

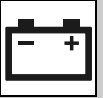
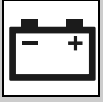


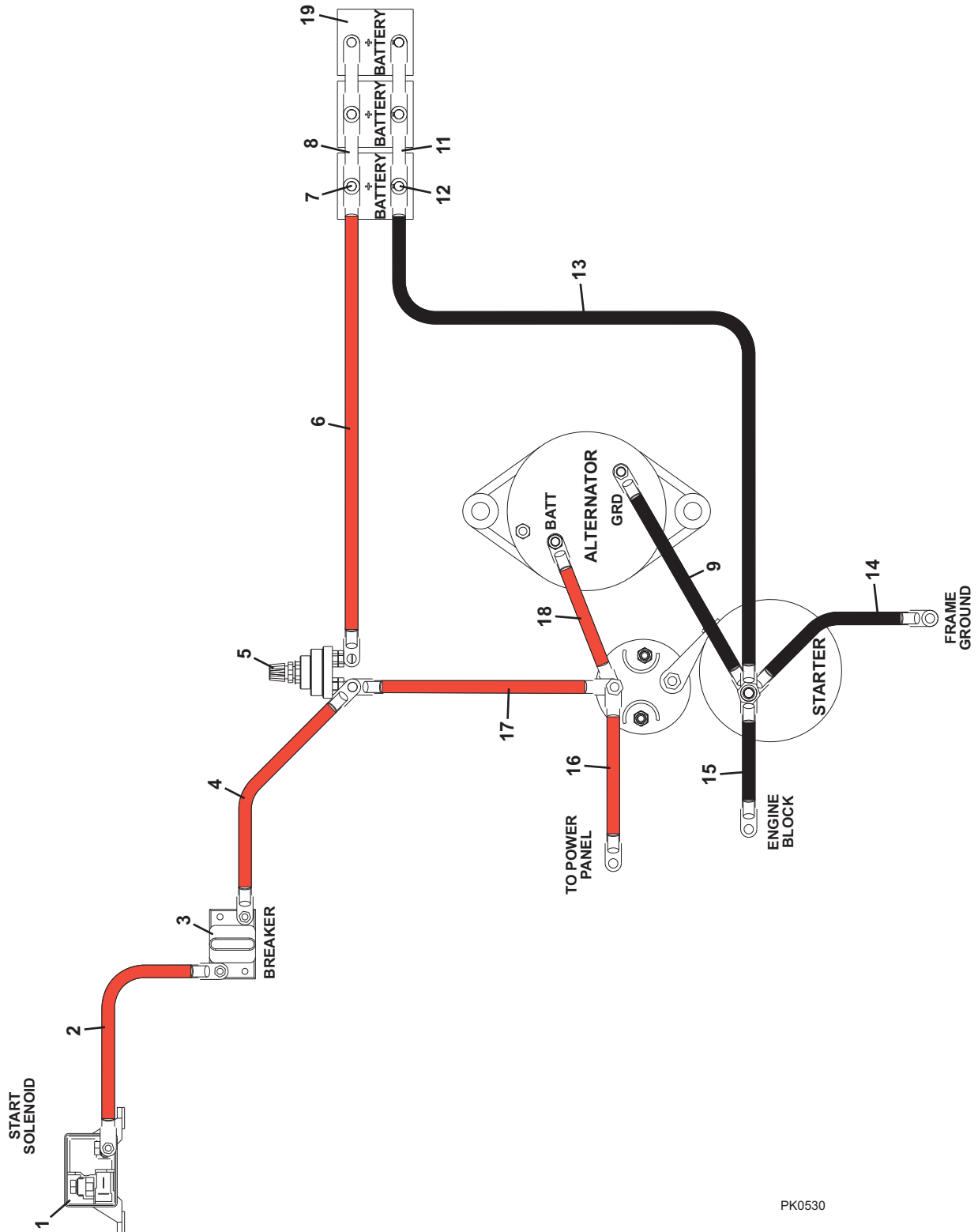
Figure 8-1 Battery Box Assembly

Item	Part Number	Qty.	Description	Rev.
1	200041-067	1	SWITCH, DISCONNECT, MASTER	
2	200080-015	3	BUMPER, RUBBER	
3	200119-003	2	LATCH, HOOD, RUBBER	
4	500046-033	1	WELDMENT, BATTERY TRAY	
5	500046-034	1	WELDMENT, LID, BATTERY BOX	
6	700110-283	2	PLATE, CLIP, BATTERY TRAY	
7	700110-290	1	PLATE, CLAMP	
8	100083-006	1	PLASTIC BAR, 1-3/4" X 1-1/2" WIDE X 2' LG, POLYPROPYLENE	
9	200042-005	2	J-BOLT, 5/16-18 X 11 LG, GR 8, ZINC PL	
10	200049-002	2	NUT, HEX, LOCKING, NYLOK, 5/16-18, GR 2, ZINC PL	
11	200105-012	2	WSHR, FLAT, SAE, 5/16 DIA, GR 8, ZINC PL.	
12	300023	3	BATTERY, GP 31, 775 CCA	
13	700110-105	1	HOLD DOWN, BATTERY	
14	700119-008	1	PAD, ISOLATION, BATTERY, 3-BATTERIES	
15	200065-304		GRAB HANDLE STEEL 6"	
16		Ref	SOLENOID, (see Figure 8-2 for details)	
17		Ref	BREAKER, (see Figure 8-2 for details)	



ELECTRICAL

Figure 8-2 Battery Cable Assembly



PK0530

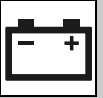


Figure 8-2 Battery Cable Assembly

Item	Part Number	Qty.	Description	Rev.
1	200100-006	1	BREAKER, CIRCUIT, 50A, MANUAL RESET	
2	300191-185	1	ASSY, CABLE, 8 GA, 8 LG, RD	
3	200096-002	1	RELAY, SPST, 75 AMP	
4	300191-165	1	ASSY, CABLE, 8 GA, 7" LG, RED	
5	200041-067	1	ASSY, CABLE, 8 GA, 7" LG, RED	
6	300191-088	1	ASSY, CABLE, 3/0, 18 LG, RD	
7	300123-002	3	NUT, BATTERY STUD, RED	
8	300023-200	1	BUSS BAR, BATTERY, 3 POSITION, RED	
9	300191-189	1	ASSY, CABLE, 2 GA, 72 LG, BK	
11	300023-201	1	BUSS BAR, BATTERY, 3 POSITION, BLACK	
12	300123-003	3	NUT, BATTERY STUD, BLACK	
13	300191-186	1	ASSY, CABLE, 3/0, 82 LG, BKE	
14	300191-187	1	ASSY, CABLE, 3/0, 16 LG, BK	
15	300191-023	1	ASSY, CABLE, 3/0, 12 LG, BK	
16	300191-188	1	ASSY, CABLE, 1/0, 178 LG, RD	
17	300191-079	1	ASSY, CABLE, 3/0, 100 LG, RD	
18	300191-190	1	ASSY, CABLE, 2 GA, 72 LG, RD	
19		Ref	BATTERY, (see Figure 8-1 for details)	

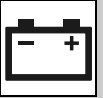
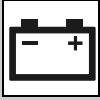


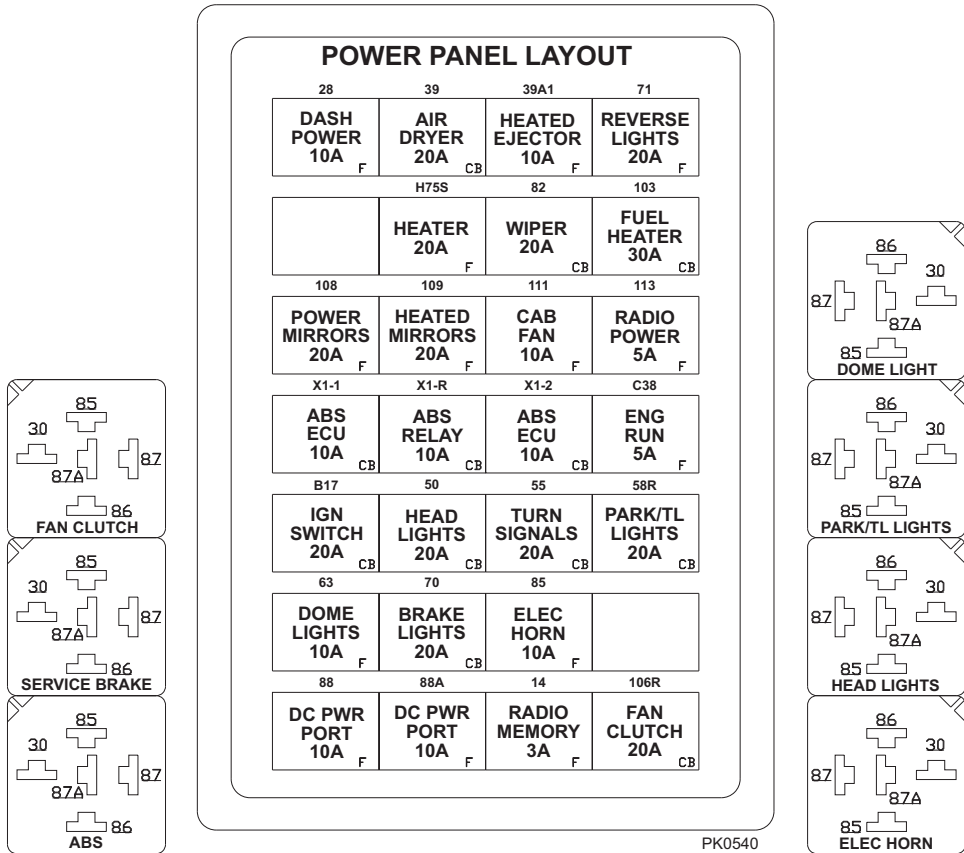
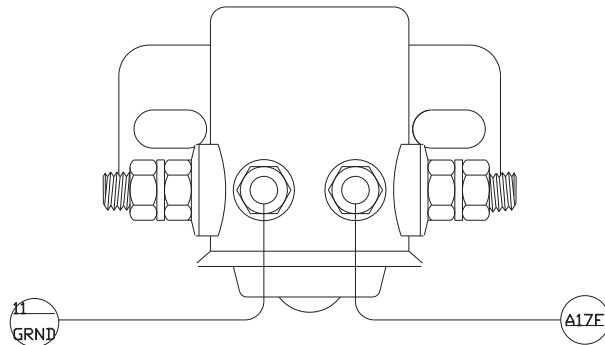
Figure 8-3 Chassis Lighting

Item	Part Number	Qty.	Description	Rev.
			STOP/TAIL/TURN/BACK-UP LAMP ASSY	
1	200180-304	4		
2	300028-032	4	LAMP, STOP/TAIL/TURN, 4 DIA, RED, GROMMET, MNT, 9-32V	
3	300028-033	4	LAMP, GROMMET, 4"	
4	300028-113	3	LAMP, MARKER, 2-1.2", RED, GRMT MNT	
5	300028-903	1	LAMP, REVERSE, 4 DIA, GROMMET MNT	
6	300028-904	1	GROMMET, LAMP, 4 DIA	
7	300028-917	3	LAMP, GROMMET, 2-1/2"	
8	500022-029	1	WELD, LIGHT MNT	
			TURN SIGNAL FLASHER ASSY	
101	200129-003	1	FLASHER, HEAVY DUTY, SOLID STATE, LED	
102	200127-203	1	CONNECTOR, 3-CAVITY, BLACK, FEMALE	
103	200127-103	3	SEAL, CABLE, MP280, 12GA, BLUE	
104	200127-003	3	SOCKET, FEMALE, 18/20 GA, WEATHERPAK	
105	200052-101	2	NUT, HEX, LOCKING, KEPS, EXTERNAL TOOTH, 10-32, ZINC PL	
106	200036-004	2	OVAL HD MACH SCR, PHILLIPS, 10-32 X 3/4 LG, STNL STL	
			FRONT TURN SIGNAL LAMP ASSY	
201	300028-027		LAMP, TURN/PARK, OVAL, AMBER, GRMT MNT	
			CAB MARKER LAMP ASSY	
301	300028-931	3	LAMP, CLEARANCE, CAB, AMBER	
302	200057-103	6	TERMINAL INSUL-COUP 22/18W M	
303	200049-001	6	NUT, HEX, LOCKING, NYLOK, 1/4-20, GR 2, ZINC PL	
304	200037-008	6	TRUSS HD MACH SCR, PHILLIPS, 1/4-20 X 1 LG, STNL STL	
			SIDE MARKER LAMP ASSY	
401	300028-917	4	LAMP, GROMMET, 2-1/2"	
402	300028-113	2	LAMP, MARKER, 2-1.2", RED, GRMT MNT	
403	300028-112	2	LAMP, MARKER, 2-1/2", AMBER, GRMT MNT	
404	300028-016	2	REFLECTOR, RED, 3 DIA	
405	300028-015	2	REFLECTOR, AMBER, 3 DIA	
406	200052-101	8	NUT, HEX, LOCKING, KEPS, EXTERNAL TOOTH, 10-32, ZINC PL	
407	200037-006	8	TRUSS HD MACH SCR, PHILLIPS, 10-32 X 3/4 LG, STNL STL	
			HEADLIGHT LAMP ASSY	
501	300027-006	1	ASSY, HEADLAMP, CHROME, RH	
502	300027-005	1	ASSY, HEADLAMP, CHROME, LH	
503	200107-001	20	WSHR, LOCKING, EXTERNAL TOOTH, #10, STNL STL	
504	200038-501	12	PAN HD MACH SCR, PHILLIPS, 8-32 X 1 LG, SELF TAP, STNL STL	
505	200037-004	20	TRUSS HD MACH SCR, PHILLIPS, 10-32 X 3/8 LG, STNL STL	



ELECTRICAL

Figure 8-4 Power Panel Assembly



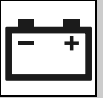
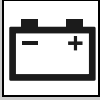


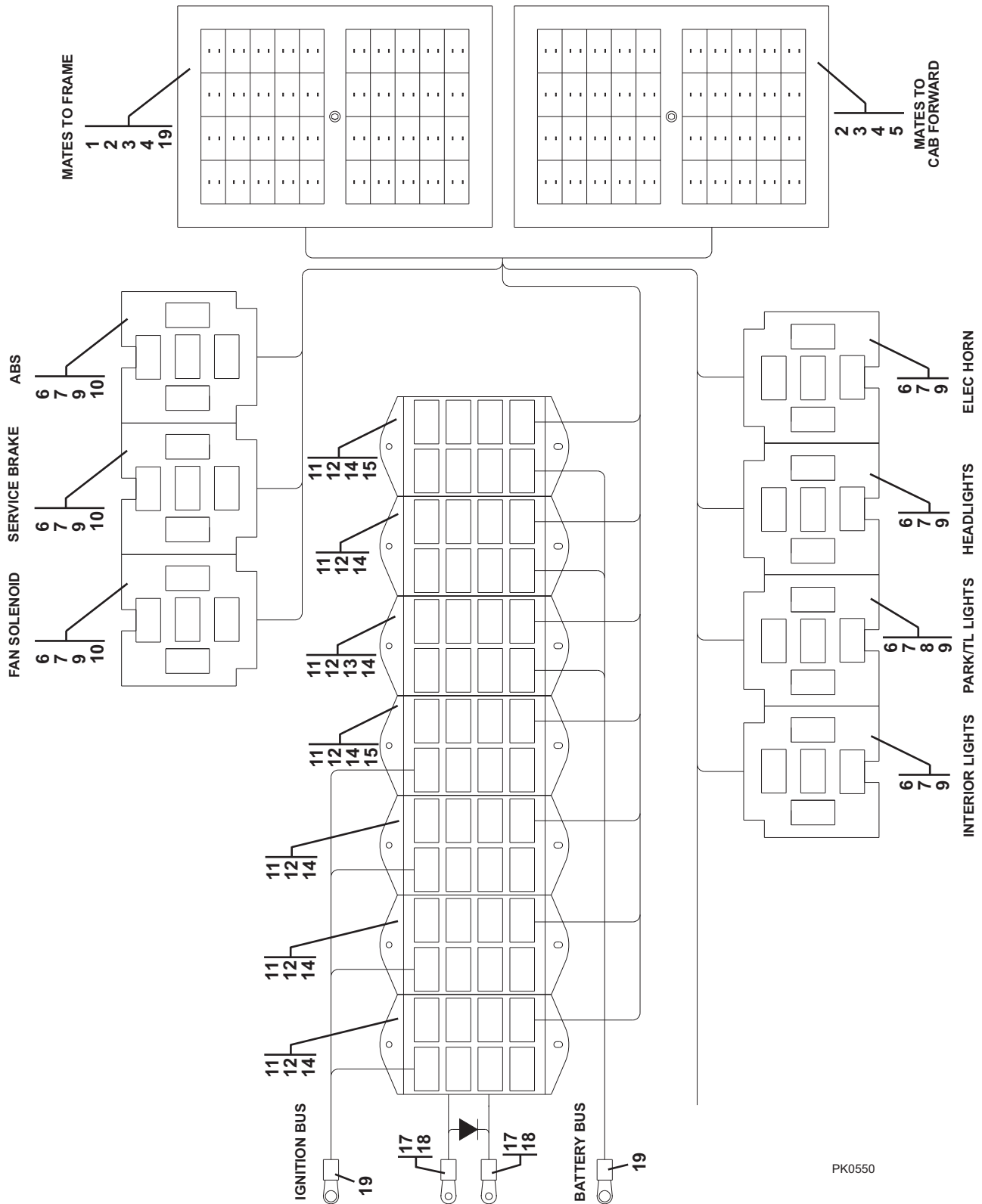
Figure 8-4 Power Panel Assembly

Item	Part Number	Qty.	Description	Rev.
1	200102-012	8	FUSE, 10 AMP, ATC	
2	200096-007	7	RELAY, 30/40A, 12VDC	
3	200096-008	1	RELAY, 100 OHM, 40 AMP	
4	200102-011	2	FUSE, 5 AMP, ATC	
5	200102-014	4	FUSE, 20 AMP, ATC	
6	200103-109	1	SOLENOID, 12 VDC, 70 SERIES	
7	200141-502	4	CIRCUIT BREAKER, ATO, TYPE I 10A	
8	200141-506	1	CIRCUIT BREAKER, ATO, TYPE I, 30A	
9	200102-010	1	FUSE, 3 AMP, ATC	



ELECTRICAL

Figure 8-5 Power Panel Wiring



PK0550

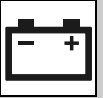
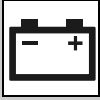


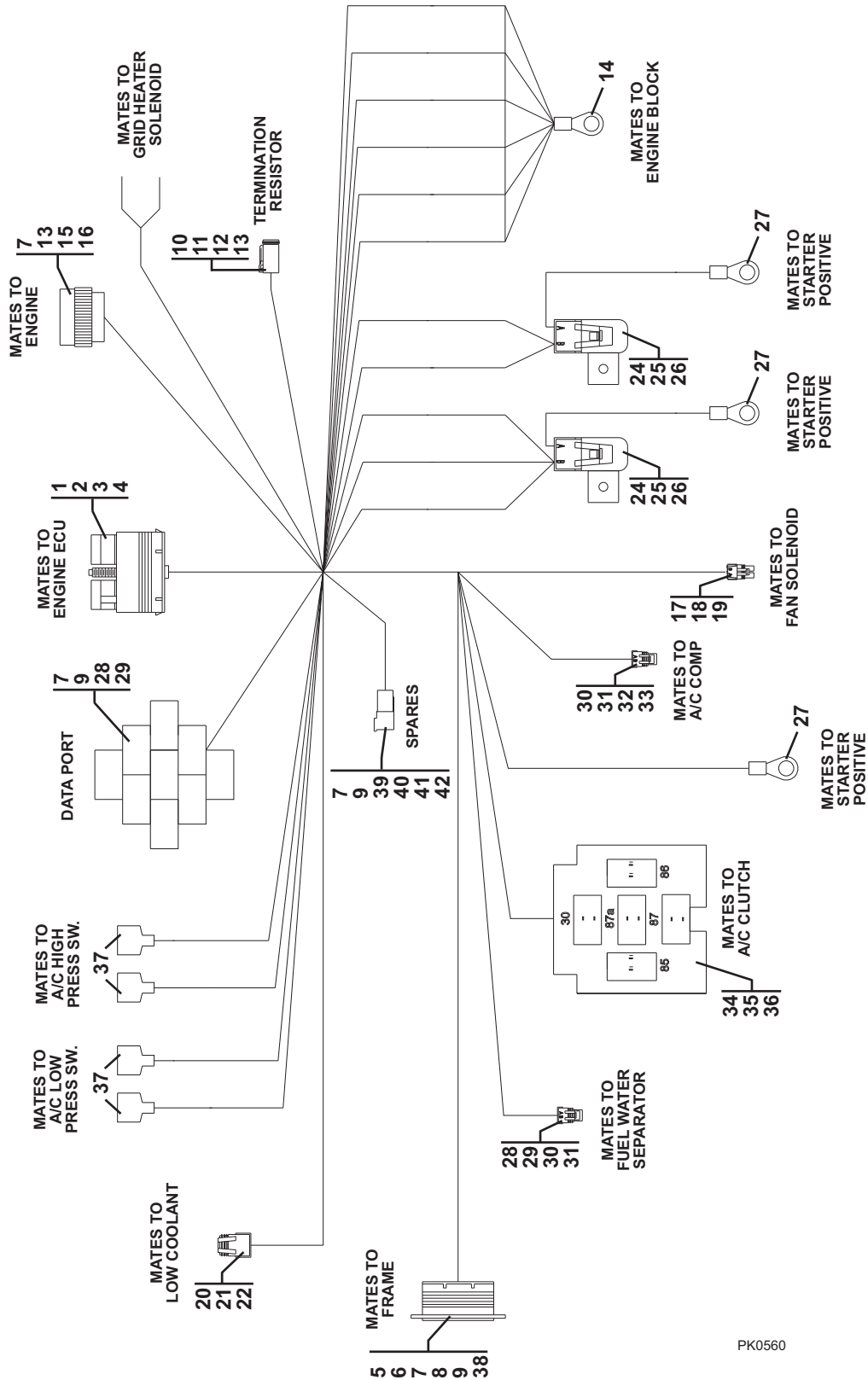
Figure 8-5 Power Panel Wiring

Item	Part Number	Qty.	Description	Rev.
	300127-036	1	HARNESS, POWER, QSM	
1	200114-107	1	CONNECTOR-RECEPTACLE,FLANGED, 40PIN	
2	200114-703	40	TERMINAL, PIN, 14-16 GA	
3	200114-705	7	TERMINAL, PIN,16-18GA, GOLD	
4	200069-101	30	PLUG, SEAL	
5	200114-101	1	CONNECTOR, RECEPTACLE, 40 POS, 16-18 GA	
6	200127-010	8	RELAY SOCKETS	
7	200127-011	8	RELAY LOCKS-W/SOCKETS	
8	200127-012	2	TERMINAL, RELAY, 12-10 GA	
9	200127-015	25	TERMINAL, RELAY, 16-14GA	
10	200127-016	6	TERMINAL, RELAY, 20-18GA	
11	200127-005	7	FUSE, HOLDER, 4 WAY	
12	200127-006	7	TERMINAL, BUSBAR, 4WAY, 12-10	
13	200127-007	1	TERMINAL, 10-12 GA	
14	200127-008	4	TERMINAL, FUSE, 16-14 GA	
15	200127-009	4	TERMINAL, 18/-20 GA	
16	200063-003	2	DIODE 3.5 AMPCG100V	
17	200057-410	2	TERMINAL, RING, NO 10, YELLOW	
18	200057-602	2	TERMINAL RING PLAIN 4WX3/8"S	
19	200114-709	3	TERMINAL,PIN, 14-16GA, GOLD	



ELECTRICAL

Figure 8-6 Engine Wiring



PK0560

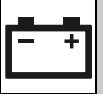
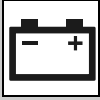


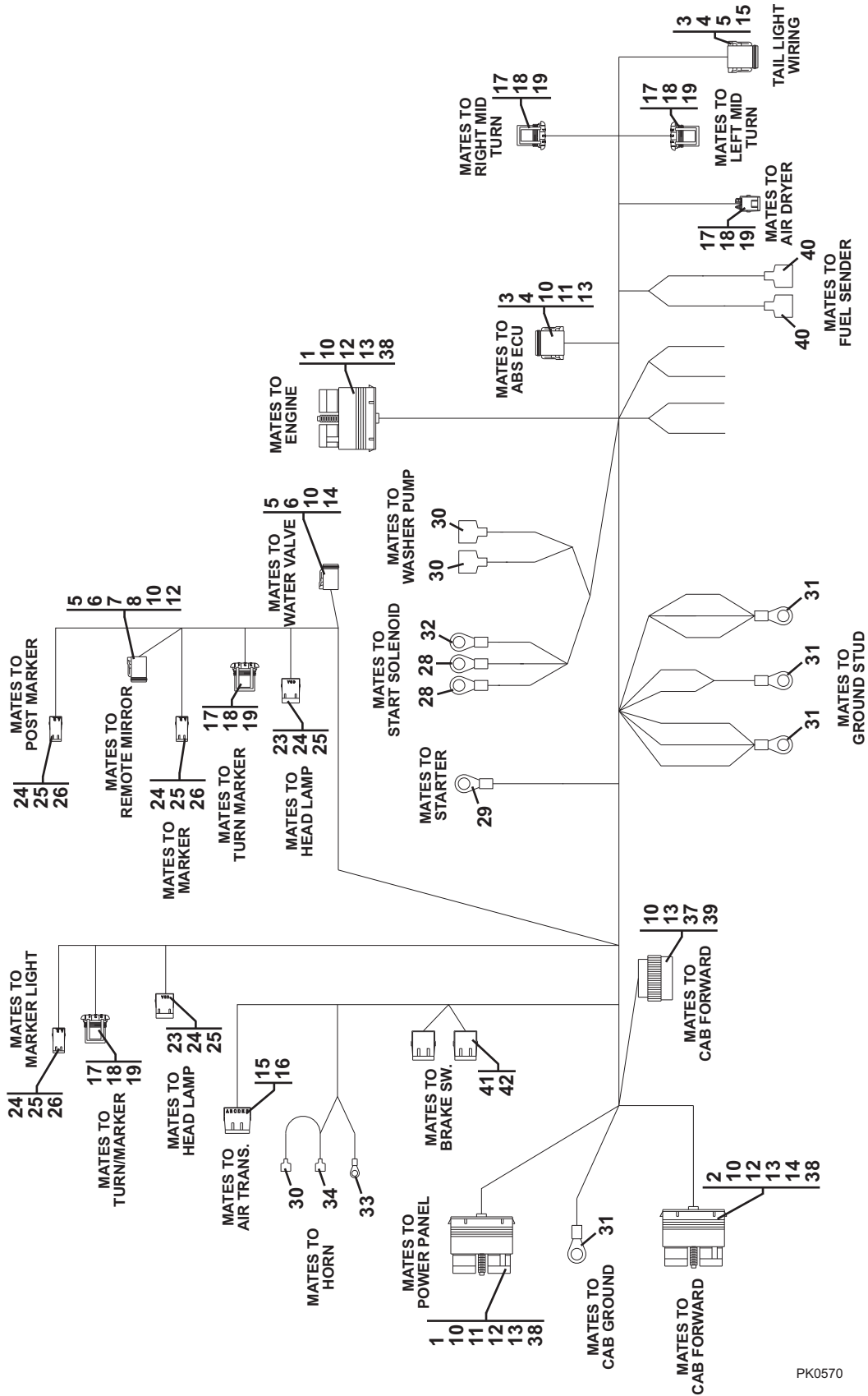
Figure 8-6 Engine Wiring

Item	Part Number	Qty.	Description	Rev.
	300053-342	1	HARNESS, ENGINE, QSM	
1	200114-009	1	CONNECTOR, 50 SOCKET	
2	200114-908	1	BACKSHELL, 90	
3	200114-212	27	TERMINAL, SOCKET, 18-20 GA, GOLD	
4	200114-124	23	PLUG, CAVITY	
5	200114-107	1	CONNECTOR, RECEPTACLE, FLANGED, 40PIN	
6	200127-109	1	SEAL, BOOT, RUBBER, 40 POS.	
7	200069-101	13	PLUG, SEAL	
8	200114-702	2	TERMINAL, PIN, 16-18GA	
9	200114-705	26	TERMINAL, PIN, 16-18GA, GOLD	
10	200114-011	1	CONNECTOR, PLUG, 3POS	
11	200114-807	1	LOCK, SECONDARY, 3SOCKET, WEDGELOCK	
12	200114-112	1	CONNECTOR-RECEPTACLE, 3POS	
13	200114-207	3	TERMINAL, SOCKET, 16-18GA, GOLD	
14	200057-408	1	TERMINAL, RING, INSUL, 10/12 GA X 3/8	
15	200114-134	1	CONNECTOR, PLUG, 31 POS	
16	200127-123	1	SEAL, BOOT, RUBBER, 90 DEG, BK	
17	200127-202	1	CONNECTOR, 2-CAVITY, MALE	
18	200127-003	2	SOCKET, FEMALE, 18/20 GA, WEATHERPAK	
19	200127-124	2	SEAL, CABLE, WEATHER-PACK, TAN, 18GA	
20	200127-258	1	CONNECTOR, 3-CAVITY, MALE	
21	200127-959	1	CLIP, ABS CABLE	
22	200127-703	3	TERMINAL, MP, SEALED, FEMALE, SERIES 150	
23	200127-901	2	CONNECTOR, FUSE	
24	200127-902	2	FUSE, HOLDER	
25	200127-903	4	FUSE, CONNECTOR	
26	200102-012	2	FUSE, 10 AMP, ATC	
27	200057-424	2	TERMINAL, 14 GA	
28	200114-129	1	CONNECTOR, RECEPT, 9 POS, FLANGE (DATALINK)	
29	200114-163	1	CAP, PROTECTIVE	
30	200127-255	2	CONNECTOR, FEMALE, MP280	
31	200127-804	4	TERMINAL, FEMALE, MP, 280-18GA	
32	200127-103	4	SEAL, CABLE, 12 GA	
33	200127-950	2	LOCK, SECONDARY	
34	200096-011	1	RELAY, 20/40A, 12V, SEALED	
35	200096-012	1	RELAY, BASE, SEALED	
36	200127-801	4	TERMINAL, FEMALE, PULL TO SEAT	
37	200057-102	2	TERMINAL INSUL COUP 16/14W F	
38	200114-703	1	TERMINAL, PIN, 14-16 GA	
39	200114-154	1	CONNECTOR, RECEPTACLE, 4 PIN	
40	200114-809	1	LOCK, SECONDARY, 4 PIN, WEDGELOCK	
41	200114-155	1	CONNECTOR, PLUG, 4 SOCKET	
42	200114-810	1	LOCK, SECONDARY, 4 SOCKET, WEDGELOCK	



ELECTRICAL

Figure 8-7 Chassis Wiring



PK0570

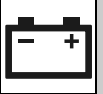
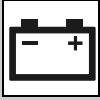


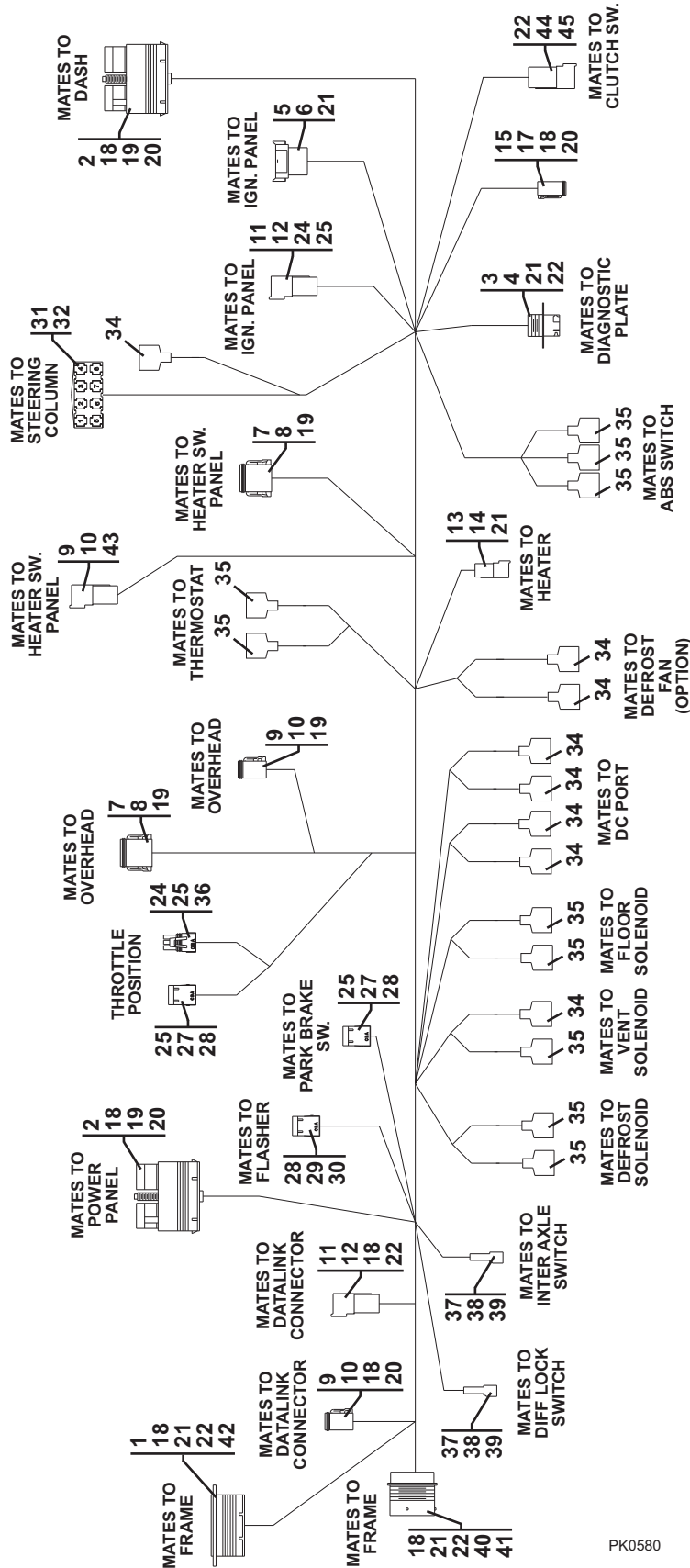
Figure 8-7 Chassis Wiring

Item	Part Number	Qty.	Description	Rev.
	300053-146	1	HARNESS, MAIN, FRAME	
1	200114-137	2	CONNECTOR, PLUG	
2	200114-136	1	CONNECTOR, PLUG	
3	200114-018	1	CONNECTOR, PLUG, 12 SOCKET, GRAY	
4	200114-808	1	LOCK, SECONDARY, 12-SOCKET, WEDGELOCK	
5	200114-007	1	CONNECTOR, PLUG, 6-SOCKET, 14-18 GA	
6	200114-803	1	LOCK, SECONDARY, 6-SOCKET, WEDGELOCK	
7	200114-105	1	CONNECTOR, RECEPTALE, 6-PIN, 14-16 GA	
8	200114-802	1	LOCK, SECONDARY, 6-PIN, WEDGELOCK	
9	200137-010	1	AMP, CONN, 9CAV, MALE	
10	200069-101	33	PLUG, SEAL	
11	200114-208	6	TERMINAL, SOCKET, 14-16GA, GOLD	
12	200114-203	37	TERMINAL, SOCKET, 14-16 GA	
13	200114-207	69	TERMINAL, SOCKET, 16-18GA, GOLD	
14	200114-204	5	TERMINAL, SOCKET, 16-18GA, NICKLE	
15	200127-260	1	CONNECTOR, 6 POSITION	
16	200127-757	4	TERMINAL, FEMALE, MP, SERIES 150	
17	200137-007	12	AMP, SEAL, WEATHER	
18	200137-008	4	AMP, CONN, 3CAV, MALE	
19	200137-009	12	AMP, TERM, FEMALE	
20	300028-912	4	LAMP, PIGTAIL, 3 PRONG	
21	200127-754	2	TERMINAL, 14 GA	
22	200127-253	1	CONNECTOR, 2 POSITION	
23	200127-503	3	CONNECTOR, 3 CAVITY, FEMALE	
24	200127-102	23	SEAL, CAVITY, 14 GA	
25	200127-302	23	PIN MALE, 14-16 GA	
26	200127-502	7	CONNECTOR, 2 CAVITY, FEMALE	
27	200057-402	2	TERMINAL, RING, INSUL, BLUE	
28	200057-403	4	TERMINAL, RING, 14/16 GA, BLUE	
29	200057-410	3	TERMINAL, RING, NO 10, YELLOW	
30	200057-102	3	TERMINAL, INSUL, COUP, 16/14 W F	
31	200057-408	4	TERMINAL, RING, INSUL, 10/12 GA X 3/8	
32	200057-412	1	TERMINAL, RING, 10 GA, YEL, 5/16"	
33	200057-404	1	TERMINAL, RING, 14 GA, 1/4	
34	200057-301	1	TERMINAL, QUICK DISC, 12/10 W M	
35	200127-025	1	CONNECTOR, 6 POSITION	
36	200127-026	5	TERMINAL, 18 GA	
37	200114-134	1	CONNECTOR, PLUG, 31 POS	
38	200127-110	3	SEAL, BOOT, RUBBER, 40 POS, 90DEG	
39	200127-123	1	SEAL, BOOT, RUBBER, 90 DEG, BK	
40	200057-104	2	TERMINAL, INSUL, COUP, 22/18W F	
41	200127-255	2	CONNECTOR, FEMALE, MP280	
42	200127-804	4	TERMINAL, FEMALE, MP, 280-18GA	



ELECTRICAL

Figure 8-8 Cab Wiring



PK0580

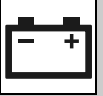
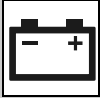


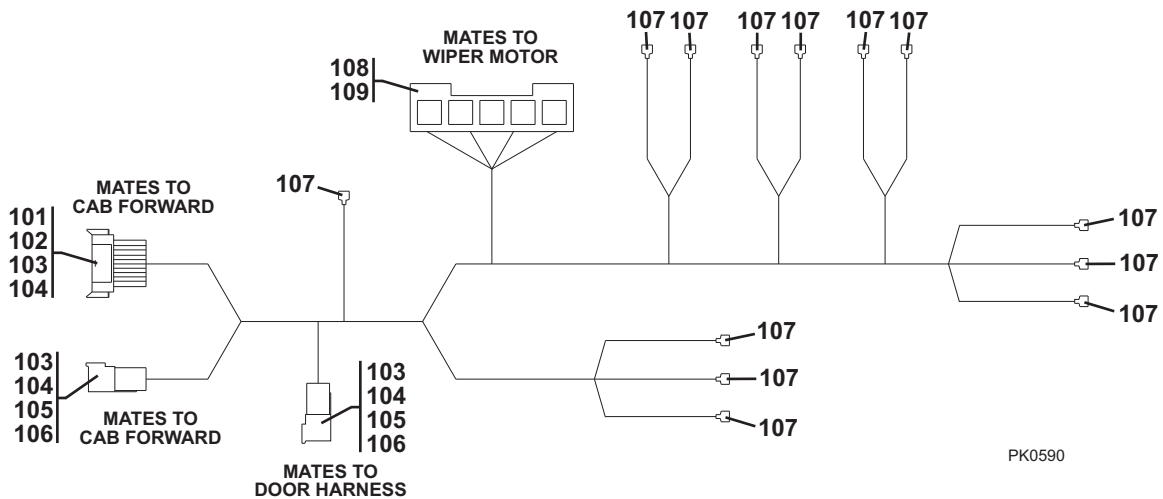
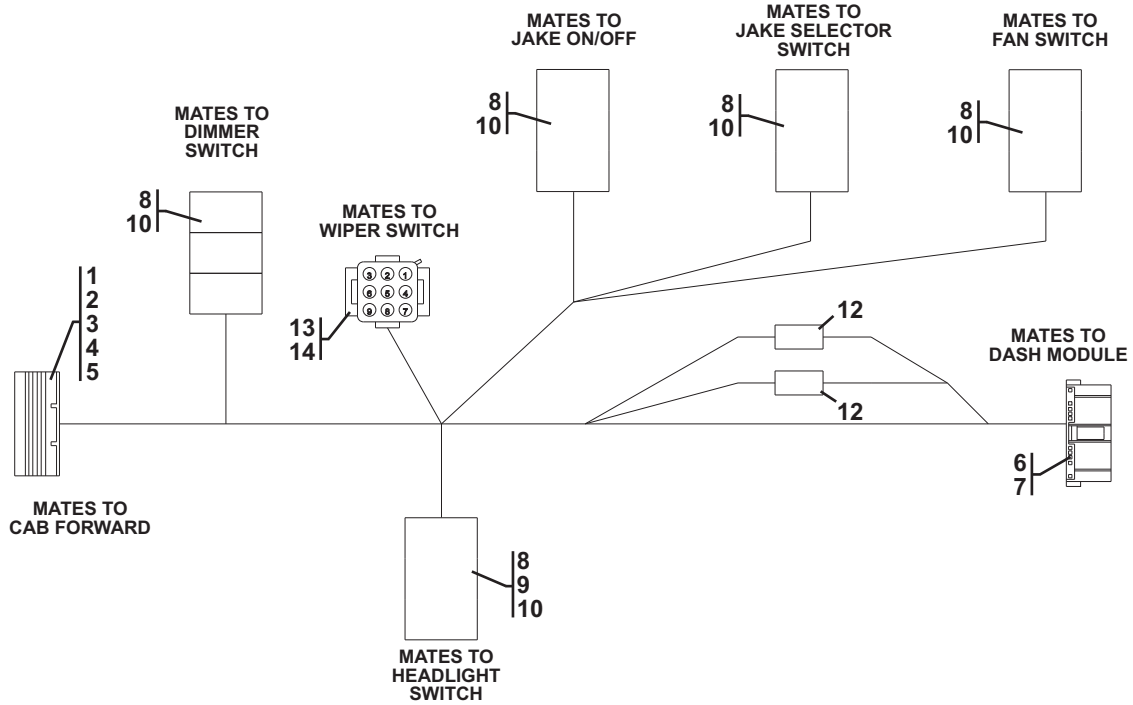
Figure 8-8 Cab Wiring

Item	Part Number	Qty.	Description	Rev.
	300025-147	1	HARNESS, CAB FORWARD	
1	200114-135	1	CONNECTOR, 40 POSITION	
2	200114-137	1	CONNECTOR, 40 POSITION	
3	200114-129	1	CONNECTOR, 9 POSITION	
4	200114-163	1	CAP, PROTECTIVE	
5	200114-019	1	CONNECTOR, 12 POSITION	
6	200114-801	1	WEDGELOCK	
7	200114-018	2	CONNECTOR, 12 POSITION	
8	200114-808	2	WEDGELOCK	
9	200114-007	2	CONNECTOR, 6 POSITION	
10	200114-803	2	WEDGELOCK	
11	200114-105	2	CONNECTOR, 6 POSITION	
12	200114-802	2	WEDGELOCK	
13	200114-154	4	CONNECTOR, 4 POSITION	
14	200114-809	1	WEDGELOCK	
15	200114-011	2	CONNECTOR, 3 POSITION	
16	200114-807	1	WEDGELOCK	
17	200114-112	1	CONNECTOR, 3 POSITION	
18	200069-101	26	PLUG, CAVITY	
19	200114-203	82	TERMINAL, 14 GA	
20	200114-207	22	TERMINAL, 18 GA	
21	200114-703	39	TERMINAL, 14 GA	
22	200114-705	33	TERMINAL, 18 GA	
23	200114-813	1	WEDGELOCK	
24	200114-158	1	CONNECTOR, 2 POSITION	
25	200127-003	2	TERMINAL, 18 GA, SOCKET	
26	200127-124	2	SEAL, CAVITY, 18 GA	
27	200127-303	2	TERMINAL, 18 GA, PIN	
28	200127-503	1	CONNECTOR, 3 POSITION	
29	200127-302	3	TERMINAL, 14 GA, PIN	
30	200127-102	3	SEAL, CAVITY, 14 GA	
31	200127-601	1	CONNECTOR, 8 POSITION	
32	200127-701	8	TERMINAL, 14 GA	
33	200057-402	4	TERMINAL, 14 GA	
34	200057-102	10	TERMINAL, 14 GA, F	
35	200057-104	3	TERMINAL, 18 GA, F	
36	200127-203	1	CONNECTOR, 3 POSITION, M	
37	200127-257	2	CONNECTOR, 2 POSITION	
38	200127-404	4	SEAL, CABLE	
39	200127-803	4	TERMINAL, 18 GA	
40	200114-113	1	CONNECTOR, 31 POSITION	
41	200127-123	1	SEAL, BOOT	
42	200127-110	1	SEAL, BOOT	
43	200114-204	1	TERMINAL, 18 GA	



ELECTRICAL

Figure 8-9 Dash Wiring



PK0590

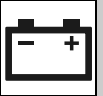
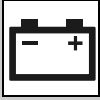


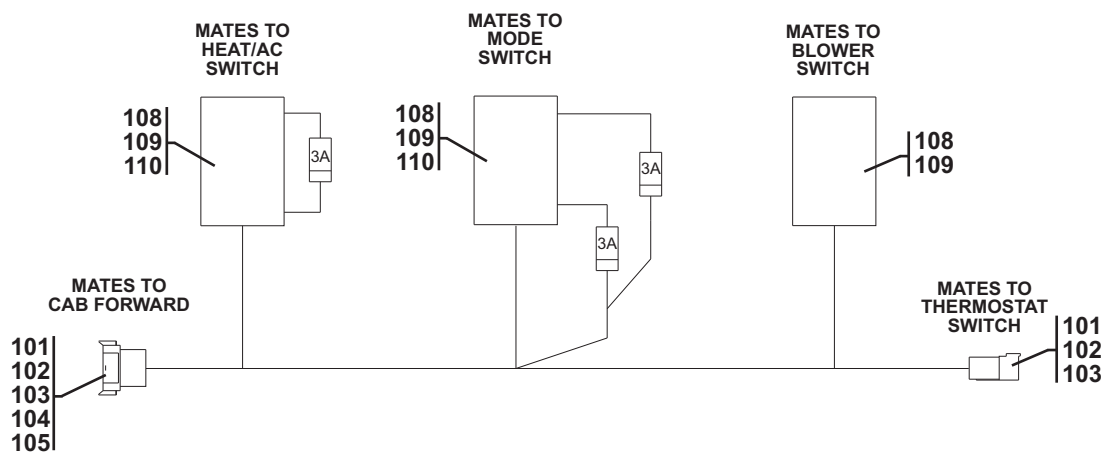
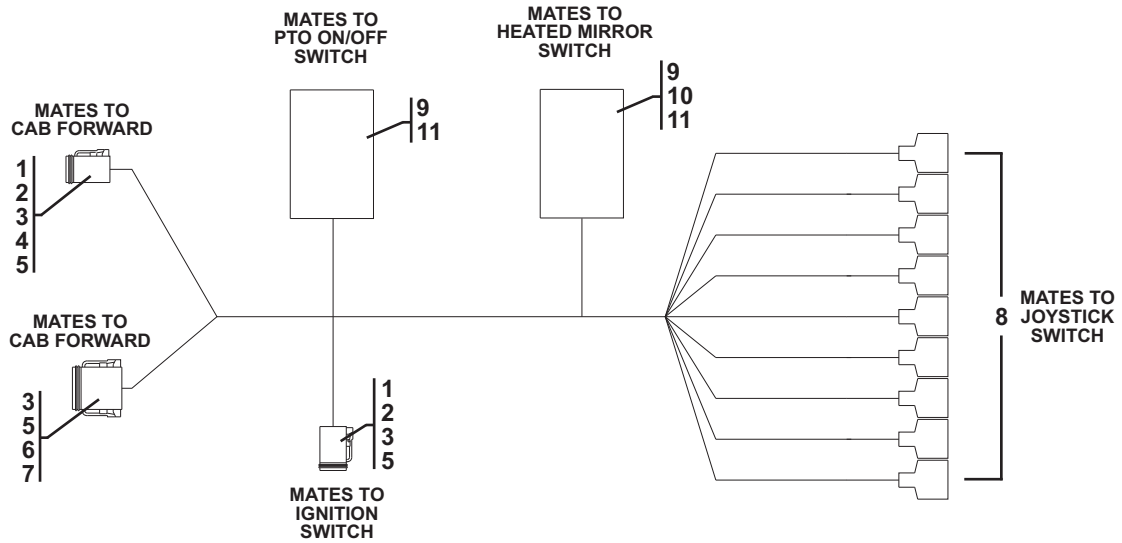
Figure 8-8 Cab Wiring

Item	Part Number	Qty.	Description	Rev.
	300026-048	1	HARNESS, MAIN DASH	
1	200114-101	1	CONNECTOR, 40 POSITION	
2	200114-703	17	TERMINAL, 14 GA	
3	200114-705	11	TERMINAL, 18 GA	
4	200114-702	6	TERMINAL, 18 GA	
5	200069-101	4	PLUG, CAVITY	
6	200186-001	1	CONNECTOR, 30 POSITION	
7	200186-002	19	TERMINAL, 20 GA	
8	200127-027	7	CONNECTOR, 12 POSITION	
9	200127-015	7	TERMINAL, 14GA	
10	200127-016	37	TERMINAL, 18 GA	
11	200127-028	1	CONNECTOR, 3 POSITION	
12	200063-003	2	DIODE, 3 AMP	
13	200137-011	1	CONNECTOR, 9 POSITION	
14	200137-012	6	TERMINAL, 14 GA	
	300025-215	1	HARNESS, CAB OVERHEAD	
1	200114-119	1	CONNECTOR, 12 POSITION	
2	200114-801	1	WEDGELOCK	
3	200113-703	19	TERMINAL, 14 GA	
4	200069-101	5	PLUG, CAVITY	
5	200114-703	2	CONNECTOR, 6 POSITION	
6	200114-802	2	WEDGELOCK	
7	200057-102	13	TERMINAL, 14 GA	
8	200137-006	1	CONNECTOR, 5 POSITION	
9	200137-103	4	TERMINAL, 14 GA	



ELECTRICAL

Figure 8-10 Ignition & Heater Wiring



PK0600

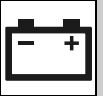
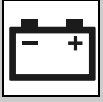


Figure 8-10 Ignition & Heater Wiring

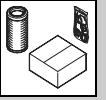
Item	Part Number	Qty.	Description	Rev.
	300026-050		HARNESS, IGNITION PANEL	
1	200114-007	2	CONNECTOR, 6 POSITION	
2	200114-803	2	WEDGELOCK	
3	200114-208	6	TERMINAL, 14 GA	
4	200114-207	2	TERMINAL, 18 GA	
5	200069-101	6	PLUG, CAVITY	
6	200114-018	1	CONNECTOR, 12 POSITION	
7	200114-808	1	WEDGELOCK	
8	200057-102	9	TERMINAL, 14 GA	
9	200127-027	2	CONNECTOR, 12 POSITION	
10	200127-015	2	TERMINAL, 14 GA	
11	200127-016	8	TERMINAL, 18 GA	
	300026-049	1	HARNESS, HEATER SWITCH PANEL	
101	200114-019	1	CONNECTOR, 12 POSITION	
102	200114-801	1	WEDGELOCK	
103	200114-703	4	TERMINAL, 14 GA	
104	200114-702	8	TERMINAL, 18 GA	
105	200069-101	2	PLUG, CAVITY	
106	200114-813	1	WEDGELOCK	
107	200114-158	1	CONNECTOR, 2 POSITION	
108	200127-027	7	CONNECTOR, 12 POSITION	
109	200127-016	19	TERMINAL, 18 GA	
110	200063-003	3	DIODE, 3 AMP	



ELECTRICAL

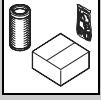
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RECOMMENDED SPARE PARTS



The following list will service a vehicle (built to current production per date on the front cover) with repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, contact Kimble Manufacturing Parts Department.

Part Number	Description	Qty./Vehicle



RECOMMENDED SPARE PARTS

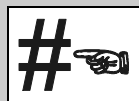
The following list will service a vehicle (built to current production per date on the front cover) with repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, contact your Kimble Manufacturing Parts Department.

Part Number	Description	Qty./Vehicle

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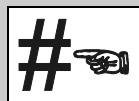
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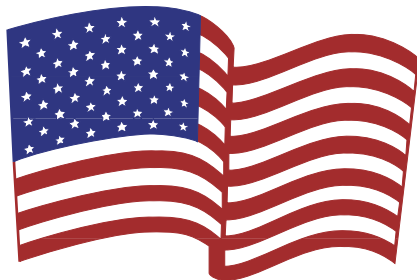
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