



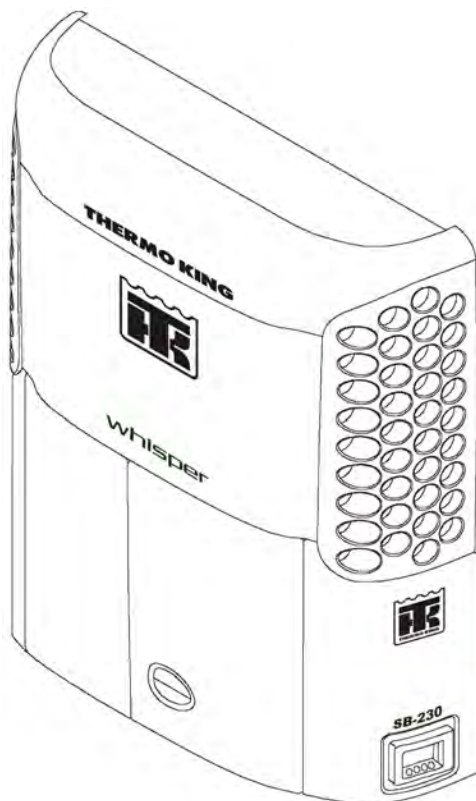
Parts Manual

SB-230 & SB-230 RR 30 & 50

TK 54899-2-PM (Rev. 3.4)

SB-230 & SB-230 RR 30 & 50

TK 54899-3.4



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General Information

Tables of Contents

This Parts Manual contains a numerical table of contents listing each assembly name, its associated Grid number and page number. The numerical table of contents is arranged numerically by Grid number. There are references in a parts list referring to other Grid numbers; the numerical table of contents is arranged to facilitate finding the referenced illustrations.

Assemblies and Subassemblies

When parts are indented in the description list, they are preceded with an asterisk (*). This indicates that the part(s) is available separately or included in an assembly.

GRID NO. 67D6

SWITCH PANEL ASSEMBLY

REF	PART#	DESCRIPTION	QTY
	45-1239	PANEL - assy, switch	1
1	99-1960	*PANEL	1
	99-6280	**NAMEPLATE - panel	1
2	33-743	*GASKET	1

For example: The Switch Panel Nameplate (99-6280) is available separately, available as part of the Switch Panel (99-1960) and with the Panel Assembly (45-1239).

ABBREVIATIONS: *The following abbreviations appear in Parts Manuals.*

A ACalternating current A/Ras required accum.....accumulator adjadjusting alaluminum altalternator A or amp.....ampere assy.....assembly	E expexpansion extexternal F F.....Fahrenheit fill.....fillister fifuel injection flflare fpt.....female pipe thread ftfeet ftgfitting G galgallon H hexhexagon hhhexagon head hdhead hphorsepower hsghousing I idinside diameter ininch (2.54 cm) incl.....includes injinjection intinternal int thinternal tooth K kWkiloWatt L LLiter (Litre) liqliquid lglong M MMeter mmmillimeter mpt.....male pipe thread modmodulating N negnegative Nonumber NSnot supplied NSS.....not sold separately osoversized odoutside diameter	P pcbprinted circuit board pkgpackage phphase pospositive psipounds per square inch R radradiator rcvrreceiver refreference regregulator reqrequired rpmrevolutions per minute S sec.....second sldsolder soc hd.....socket head solsolenoid splspecial sqsquare ssstainless steel stdstandard stlsteel suct.....suction sw.....switch T term.....terminal temptemperature thkthick TSATransport Solutions Americas U usundersize V vibvibrasorber V.....Volt W W.....watt w/with w/o.....without
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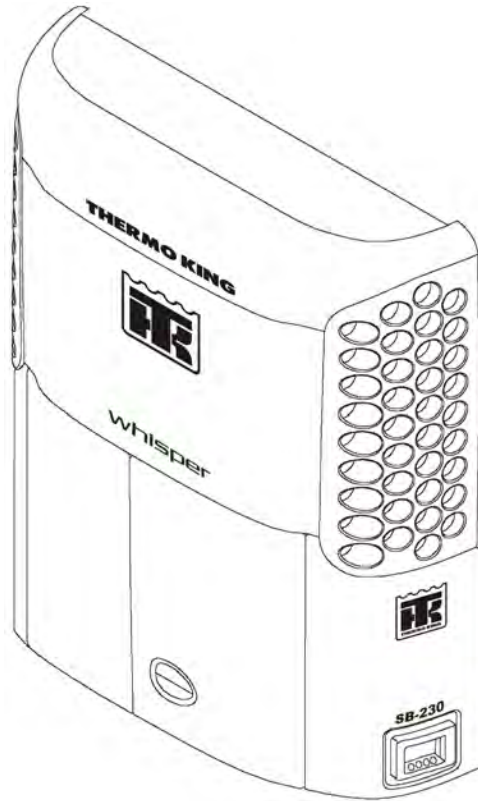
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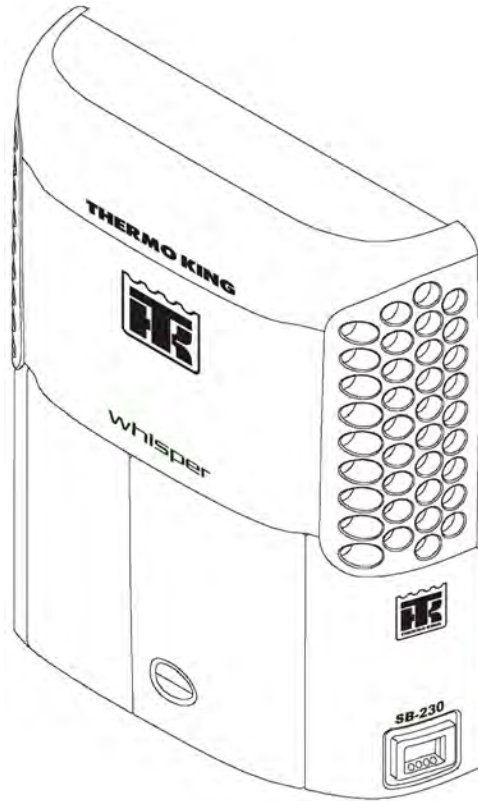


SB-230 & SB-230 RR 30 & 50 REFERENCE SHEET



16U5

B/M	DESCRIPTION	DATE
901704	System - SB-230 30	5/11
901705	System - SB-230 50	11/13
069095	SB-230 30	12/11
069096	SB-230 50	11/13
002016	Special Paint	5/11
002020	Chrome Grille	5/11
002065	Vinyl Dip Coil	5/11
002070	Fresh Air Exchanger	5/11
002079	Japan Motor	5/11
002128	ETV SB-230 30	5/11
002157	460V Motor	5/11
002222	Fuel Tank - 454 Liter	5/11
002240	Fuel Tank - 50 Gallon AL 22 Dia	5/11
002241	Fuel Tank - 50 Gallon AL 22 Dia	5/11
002242	Fuel Tank - 50 Gallon AL 22 Dia	5/11
002243	Fuel Tank - 110 Gallon AL 22 Dia	5/11
002244	Fuel Tank - 50 Gallon AL 22 Dia	5/11
002245	Fuel Tank - 50 Gallon AL 22 Dia, Artic Option	5/11
002247	Fuel Tank - 120 Gallon AL 22 Dia	5/11
002248	Fuel Tank - 120 Gallon AL 22 Dia	5/11
002249	Fuel Tank - 75 Gallon AL 22 Dia	5/11
002259	Fuel Tank - 120 Gallon AL 22 Dia, Artic Option	5/11
002725	ETV SB-230 50	5/11
048699	200V Motor	5/11
048678	Frost Plug Heater	5/11
069041	Special Paint	5/11
069062	460/3/60 24 hp Motor	5/11
069071	460/3/60 24 hp Motor, Remote Receptacle	5/11
069065	Electric Fuel Heater	5/11
069067	Remote Receptacle 230V	5/11
069068	Remote Receptacle 460V	5/11
069069	Oil Drain Quick Connect	5/11
069074	Air Cleaner Restriction Indicator	5/11

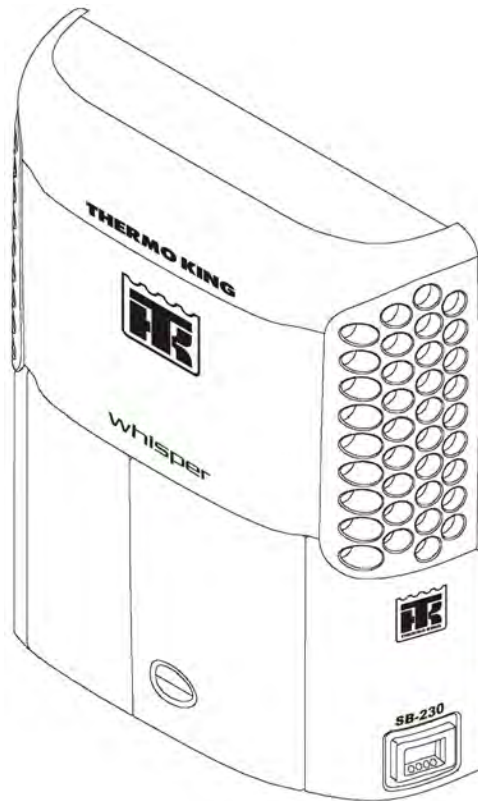


SB-230 & SB-230 RR 30 & 50 REFERENCE SHEET



16U5

B/M	DESCRIPTION	DATE
069077	Fuel Filter & Heater RBC/TOFC	5/11
069079	Smooth Post Battery Cables	5/11
069086	Heavy Duty Battery Holddown	5/11
069081	Muffler Rail Road	5/11
069082	Rail Road Package	5/11
069089	Fuel Tank - 50 Gallon AL 22 Dia, Polished	5/11
069091	iBox SR-3 3rd Party	5/11
069092	Alternator 120A	5/11
069099	Fuel Tank - 50 Gallon AL 22 Dia	5/11
069100	Fuel Tank - 50 Gallon AL 22 Dia	5/11
069101	Fuel Tank - 50 Gallon AL 22 Dia	5/11
069109	Fuel Tank - 110 Gallon AL 22 Dia	5/11
069110	Fuel Tank - 30 Gallon AL 18 Dia	5/11
069111	Fuel Tank - 50 Gallon AL 18 Dia	5/11
069112	Fuel Tank - 120 Gallon AL 22 Dia	5/11
069113	Fuel Tank - 120 Gallon AL 22 Dia, two fills	5/11
069114	Fuel Tank - 75 Gallon AL 22 Dia	5/11
069115	Fuel Tank - 120 Gallon AL 22 Dia	5/11
069116	Flushmount Controller	5/11
069122	Alternator 65A SB-230 30	5/11
069123	Alternator 65A SB-230 50	5/11
069142	Controller Chinese	5/11
069143	REB Option	5/11
069144	REB TrackKing Cellular	5/11
069150	Fresh Air Exchange	5/11
700248	ERC-1	5/11
700250	Door Switch	5/11
701288	Status Display Lights	5/11
701968	TrackKing 2-Way SR-3	5/11
701336	Status Display Lights Flush Mount	5/11
702034	iBox SR-3 3rd Party	5/11
702131	Fuel Display	5/11
702330	TrackKing GPRS SR-2/3 (TSA)	5/11



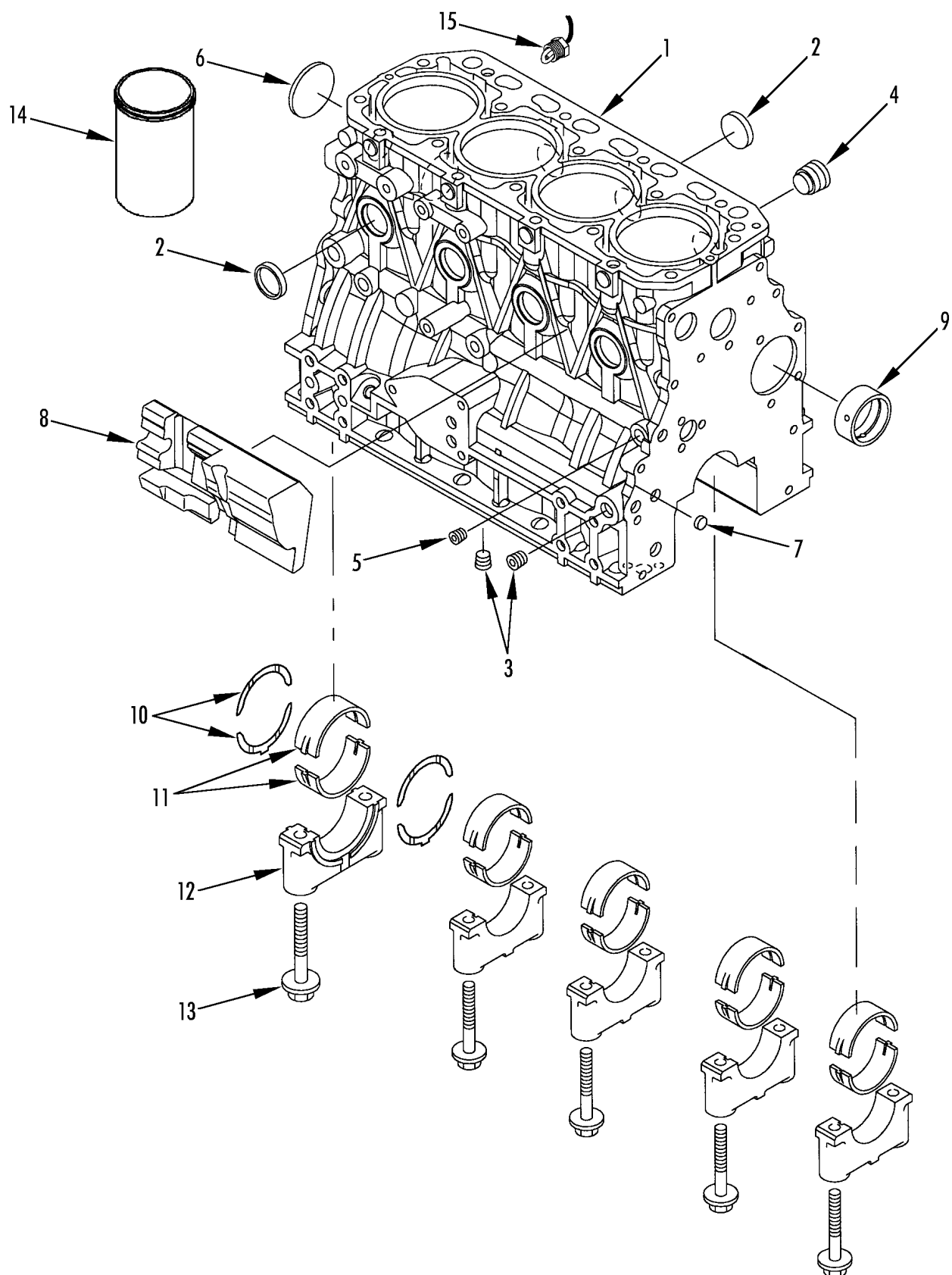
Revised
11/15/13

SB-230 & SB-230 RR 30 & 50 REFERENCE SHEET



16U5

B/M	DESCRIPTION	DATE
702390	Triple Display Combo	5/11
702414	USFLS Harness	5/11
705782	KIT Fuel Tank Bands	5/11
720491	HMI Sensor - 10 ft	5/11
720492	HMI Sensor - 20 ft	5/11
720493	HMI Sensor - 40 ft	5/11
720494	HMI Sensor - 60 ft	5/11
720495	HMI Sensor - 80 ft	5/11
811053	Installation Kit	5/11



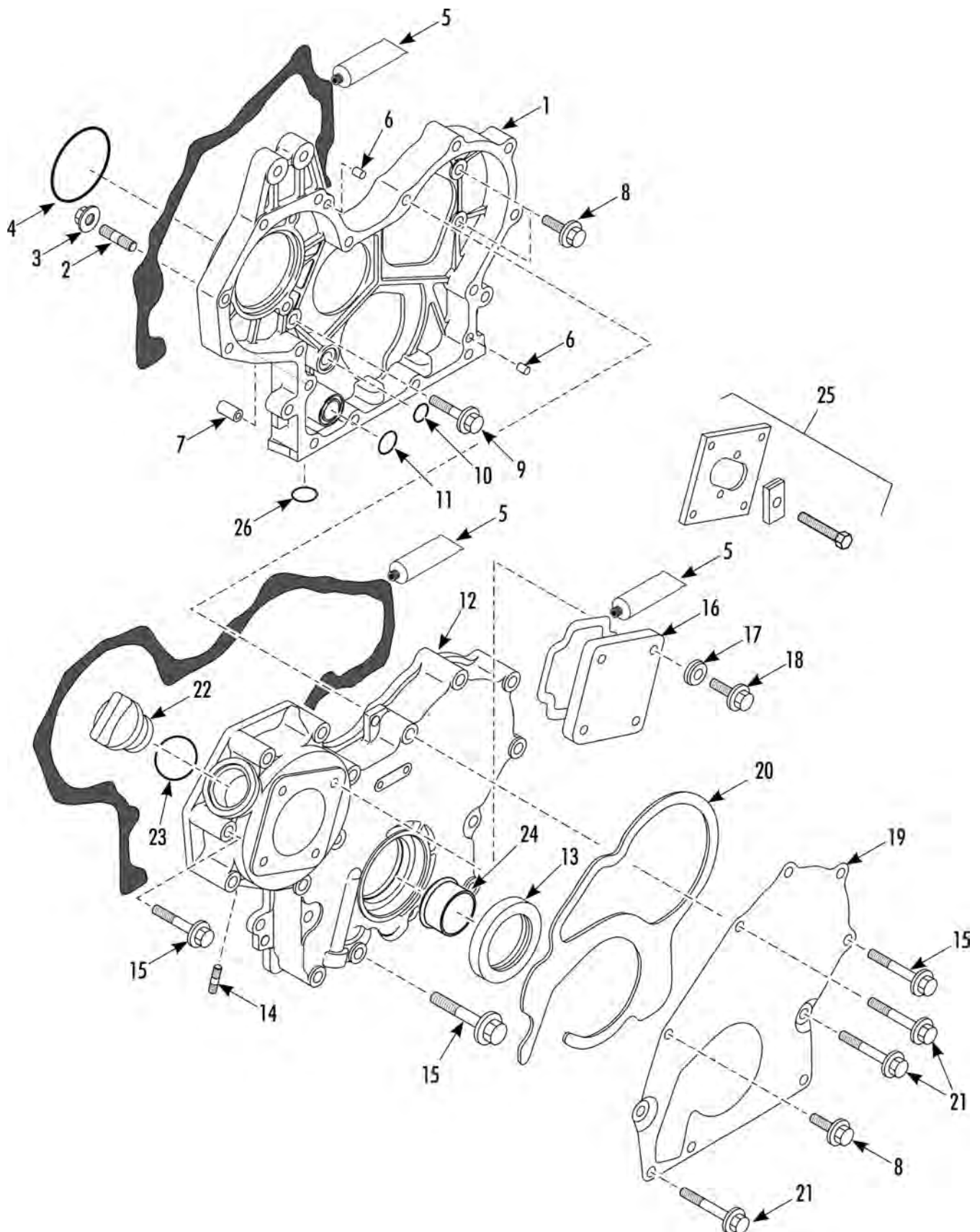
Revised
08/19/14

CYLINDER BLOCK GROUP (TK486V)



204F1

REF	PART NO.	DESCRIPTION	QTY
	810-1398	ENGINE (TK486V, interim TIER 4 compliant, 12V, 2200 rpm, new exchange)	1
1	NSS	*BLOCK - cylinder	1
2	11-5499	*PLUG - frost (30 mm)	8
3	55-6176	*PLUG - pipe (1/4)	3
4	55-6229	*PLUG	1
5	55-4593	PLUG - pipe (1/8)	1
6	51-1188	*PLUG - frost (50 mm)	1
7	11-6555	*PLUG - frost (12 mm)	2
8	13-318	*SPACER	1
9	13-926	*BUSHING - camshaft	1
10	13-927	*BEARING - thrust (std)	2
	13-928	*BEARING - thrust (0.25 mm os)	2
11	13-920	*BEARING - main	5
	13-921	*BEARING - main (0.25 mm os)	5
12	NSS	*CAP - bearing	4
13	55-8852	*BOLT - bearing cap	10
14	11-8919	LINER - service	4
15	41-2317	HEATER - frost plug	1



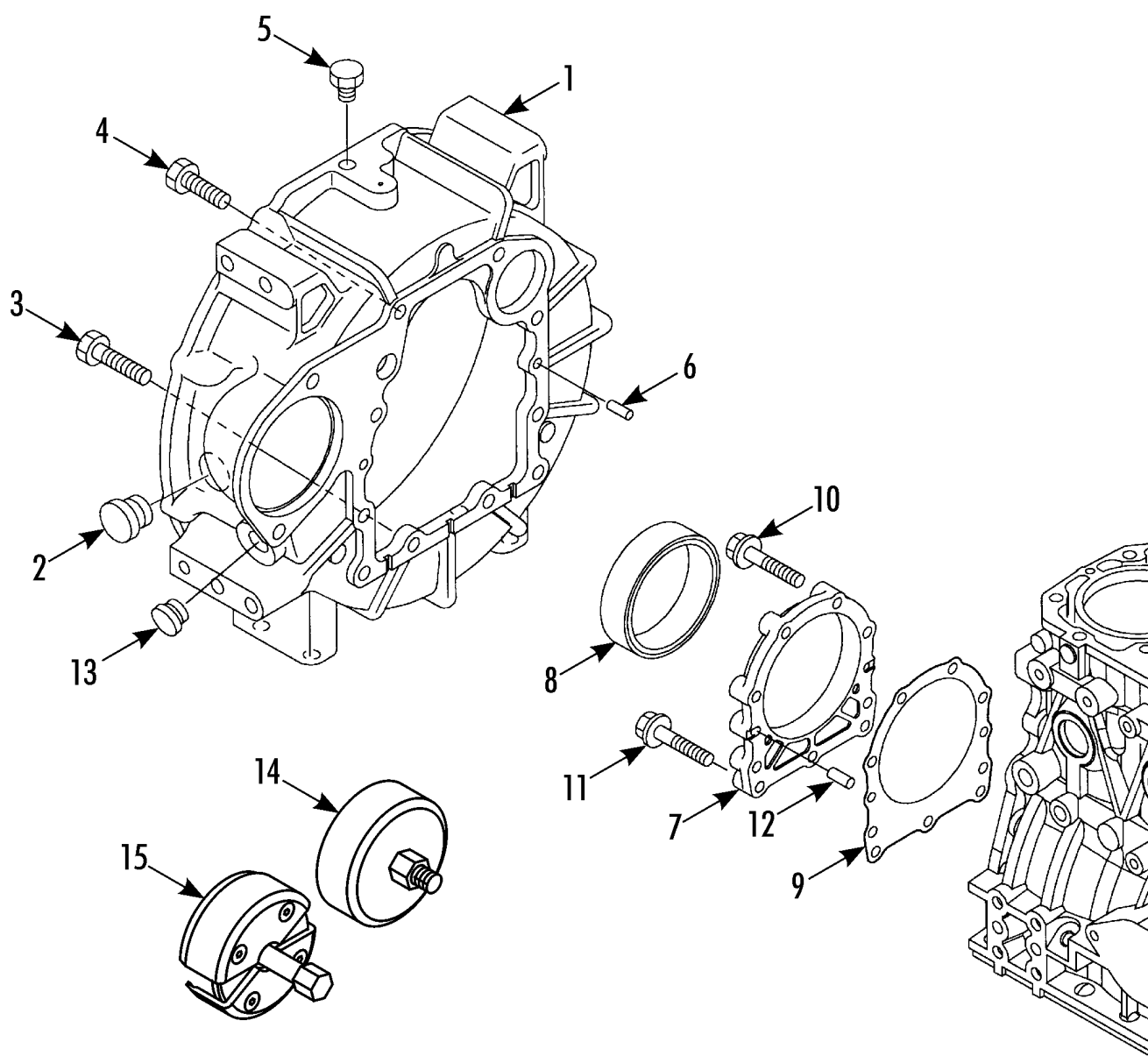
GEAR CASE GROUP (TK486 series)



204F2

Revised
12/03/13

REF	PART NO.	DESCRIPTION	QTY
1	13-319	CASE - gear	1
2	51-1146	STUD - injection pump	3
3	51-594	NUT	3
4	33-1953	O-RING - injection pump	1
5	203-348	GASKET - adhesive	A/R
6	55-5816	PIN - dowel	2
7	55-6234	PIN - dowel	2
8	55-8441	SCREW - case (16 mm)	3
9	55-5809	SCREW - case (45 mm)	1
10	33-3821	O-RING - gear case (16 mm)	1
11	33-4089	O-RING - gear case (20 mm)	1
12	13-322	COVER - gear case	1
13	33-4088	*SEAL - oil	1
14	55-6367	*STUD - fuel pump	3
15	55-6236	SCREW - cover (55 mm)	8
16	11-5082	COVER	1
17	55-4622	WASHER - sealing	4
18	55-8854	SCREW - cover (12 mm)	4
19	13-321	COVER - sound shield	1
20	33-4087	GASKET - cover	1
21	55-6237	SCREW - cover (85 mm)	7
22	11-5091	CAP - oil fill	1
23	33-1954	O-RING - cap	1
24	11-9592	SPEEDI SLEEVE - front seal	1
25	204-1011	TOOL - injection pump gear remover	1
26	33-4089	O-RING	1



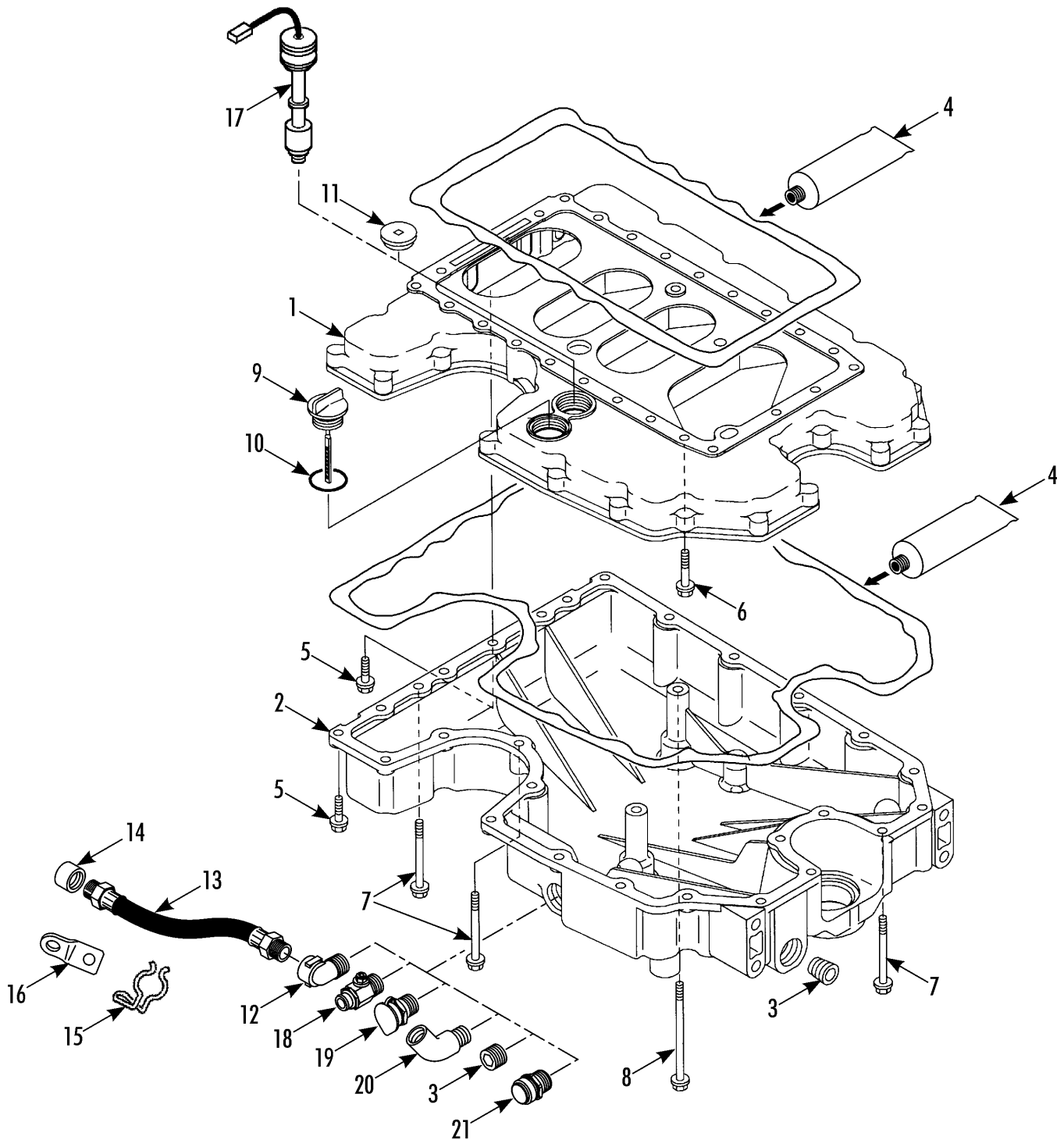
FLYWHEEL HOUSING GROUP (TK486 series)



204F3

Revised
02/24/16

REF	PART NO.	DESCRIPTION	QTY
1	12-823	HOUSING - flywheel	1
2	11-6031	PLUG - access hole	1
3	55-8856	SCREW - housing (30 mm)	4
4	55-6537	SCREW - housing (25 mm)	6
5	55-8855	SCREW - plug (M12 x 16)	1
6	55-5816	PIN - dowel	2
7	11-8924	CASE - oil seal	1
8	33-2974	SEAL - oil (axial)	1
9	33-2969	GASKET - oil seal case	1
10	51-1149	SCREW - case (30 mm)	6
11	55-6191	SCREW - case (35 mm)	3
12	55-5816	PIN - dowel	2
13	51-1162	SCREW - housing	1
14	204-952	TOOL - seal installer	1
15	204-994	TOOL - seal remover	1



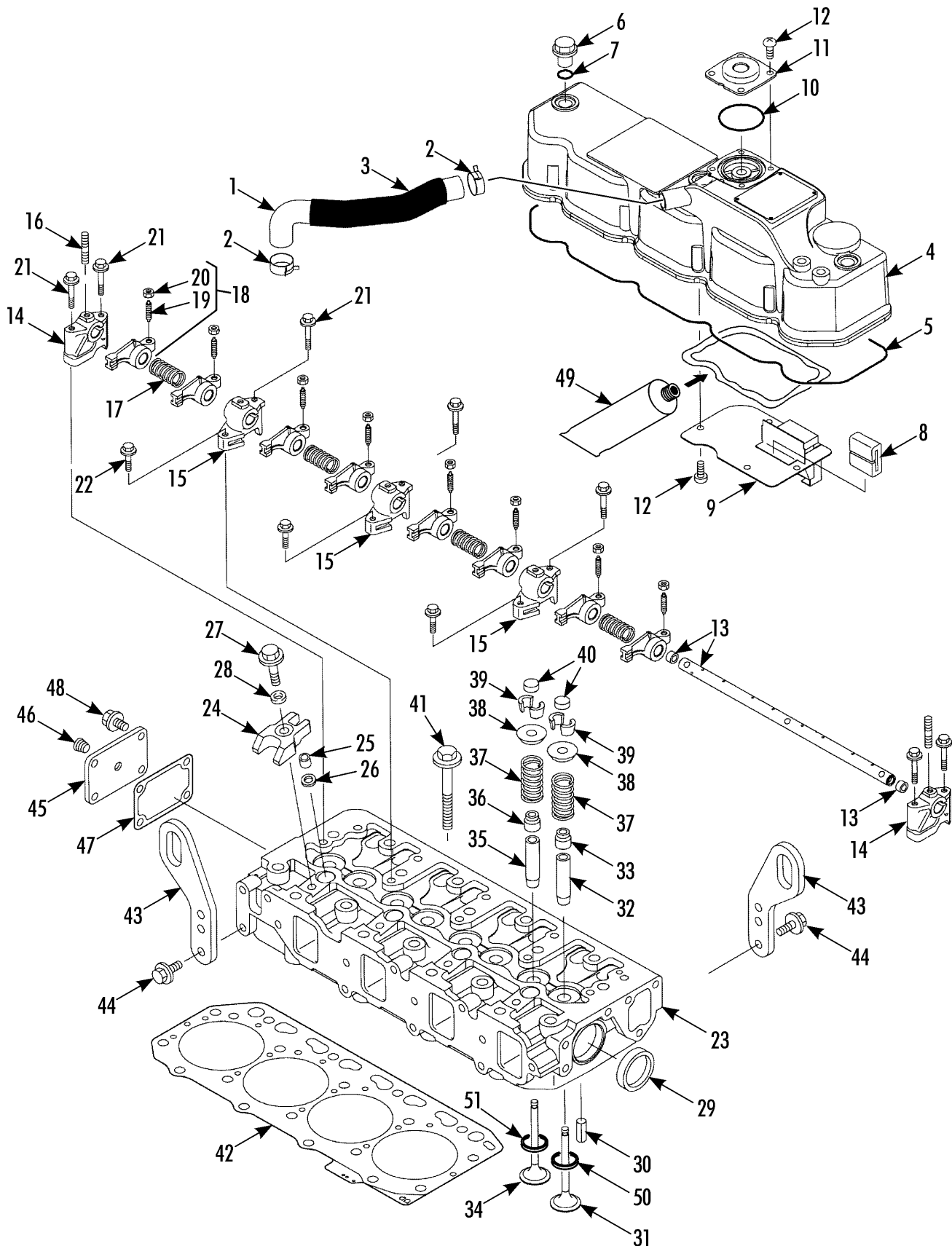
OIL SUMP GROUP (TK486 series)



204F4

Revised
04/05/13

REF	PART NO.	DESCRIPTION	QTY
1	12-868	SUMP - oil (upper)	1
2	12-869	SUMP - oil (lower)	1
3	55-8437	*PLUG - drain	2
4	203-348	GASKET - adhesive (RTV silicone)	A/R
5	55-6246	SCREW - oil base (25 mm)	15
6	55-5809	SCREW - oil base (45 mm)	19
7	55-6237	SCREW - oil base (85 mm)	12
8	51-1150	SCREW - oil base (120 mm)	1
9	11-8667	DIPSTICK	1
10	33-4090	O-RING - dipstick	1
11	11-8923	CAP (units w/o oil level switch, push-in type)	1
12	55-9167	ELBOW - hose (90 degree)	1
13	11-8984	HOSE - oil drain (10 in long)	1
	11-5911	HOSE - oil drain (17 in long)	1
14	55-5081	CAP - hose	1
15	91-4823	CLIP - hose	1
	55-1587	SCREW - clip	1
	55-2086	FLATWASHER	1
	55-4953	NUT	1
16	91-7191	BRACKET - clip	1
17	41-4470	SWITCH - oil level (threaded type)	1
	33-4160	*O-RING - switch	1
18	11-9338	VALVE - oil drain	1
19	11-9448	FITTING - oil drain (ESOC)	1
20	55-3744	ELBOW - hose (45 degree)	1
21	13-1063	FITTING - oil drain w/cap	1

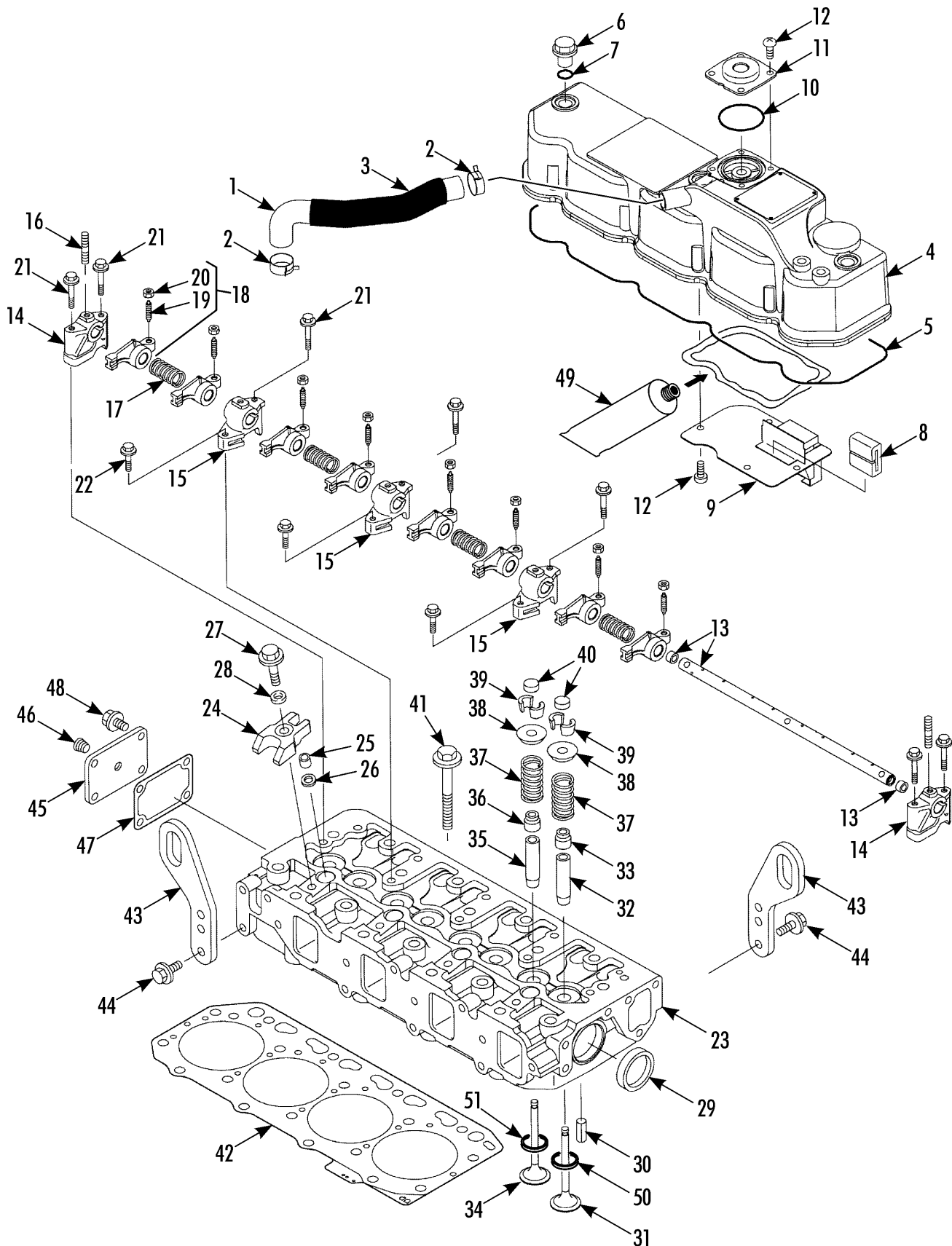


CYLINDER HEAD & VALVE COVER (TK486 series)



204F5

REF	PART NO.	DESCRIPTION	QTY
1	13-344	PIPE - breather	1
2	55-8442	*CLAMP - hose (24)	2
3	91-3542	TUBE - sponge (insulation, cut to 11.0 in lg)	1
4	13-337	COVER - valve	1
5	13-340	*GASKET - valve cover	1
6	11-5103	*KNOB - valve cover	3
7	33-3512	*O-RING - cover	3
8	11-8671	*BAFFLE - breather	1
9	13-338	*PLATE - baffle	1
10	33-2762	*O-RING	1
11	13-339	*COVER - breather	1
12	51-598	*SCREW - cover	8
13	13-332	SHAFT - rocker arm	1
	13-335	*SHAFT - rocker arm	1
14	13-333	*SUPPORT - rocker arm	2
15	13-334	*SUPPORT - rocker arm	3
16	55-6245	*STUD - valve cover	3
17	11-6704	*SPRING	4
18	13-336	*ARM - rocker	8
19	55-8859	**SCREW - valve adjust	8
20	55-8860	**NUT	8
21	55-6193	SCREW - support (50 mm)	7
22	55-6246	SCREW - support (25 mm)	3
23	12-870	HEAD - cylinder	1
24	13-342	*RETAINER - nozzle	4
25	13-341	*PROTECTOR - nozzle	4
26	11-6707	*GASKET - copper (nozzle seat)	4
27	55-6191	*SCREW - nozzle retainer	4
28	51-1151	*WASHER	4
29	11-6567	*PLUG - frost (40 mm)	1
30	55-5803	*PIN - spring	2
31	13-932	*VALVE - intake	4
32	11-8928	*GUIDE - valve (intake)	4



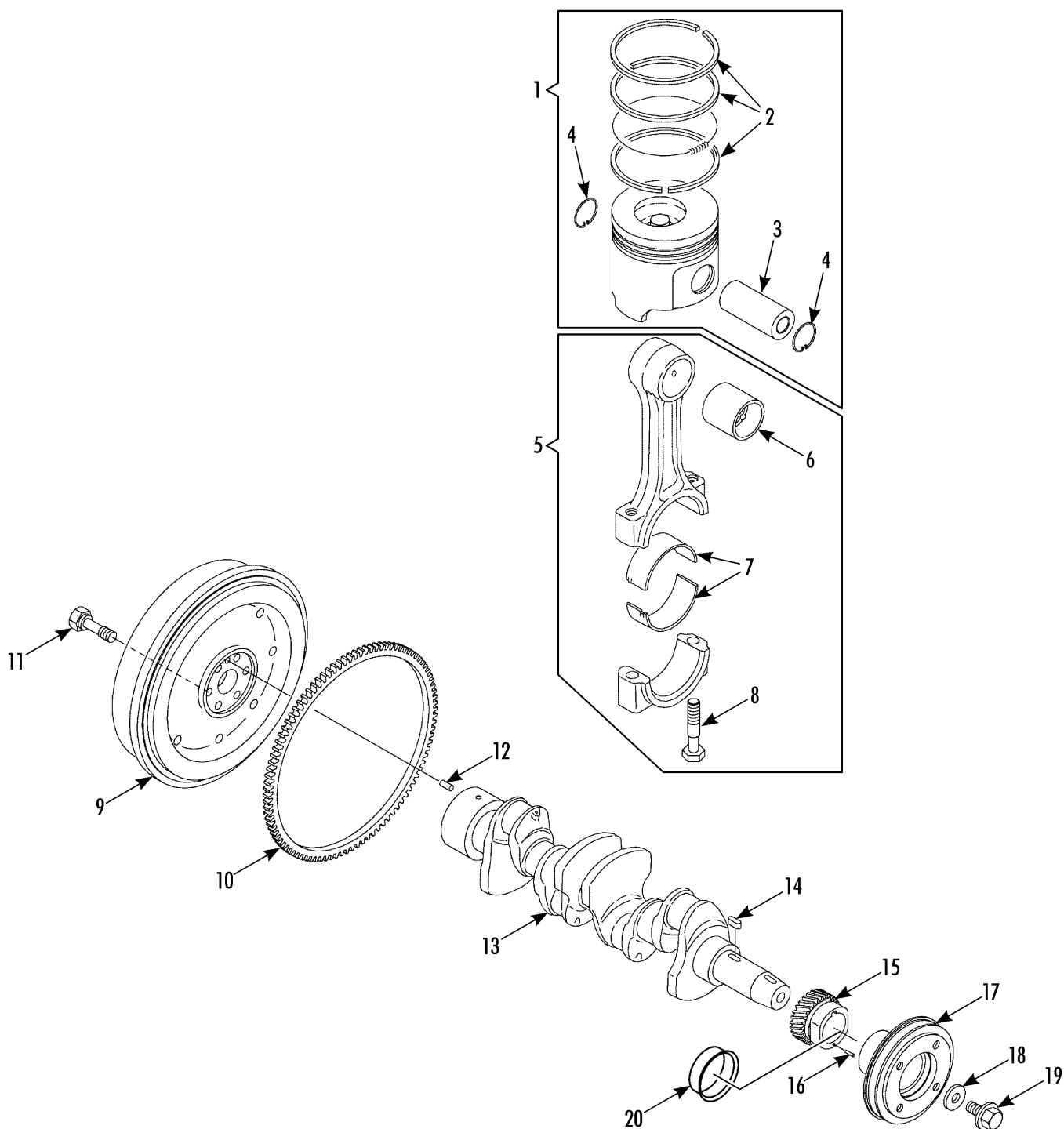
Revised
01/14/15

CYLINDER HEAD & VALVE COVER (TK486 series)



204F5

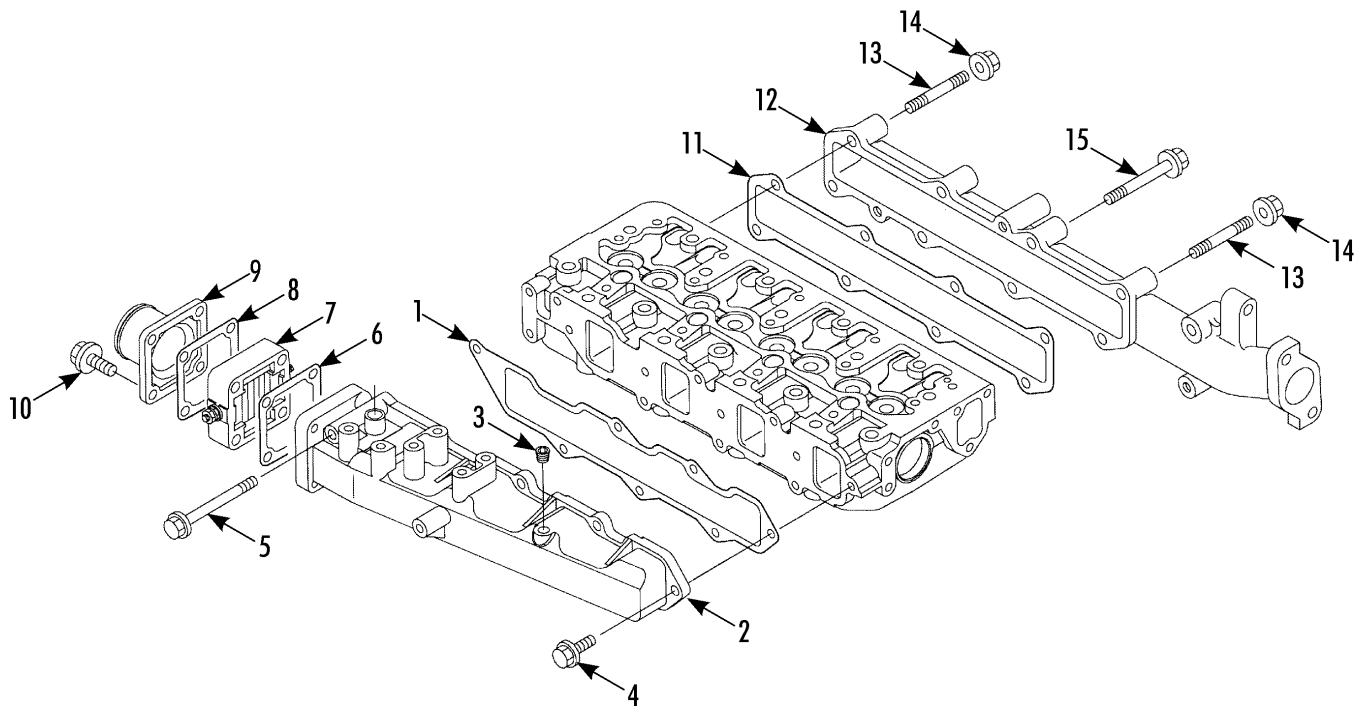
REF	PART NO.	DESCRIPTION	QTY
33	11-8935	*SEAL - valve stem (intake)	4
34	13-659	*VALVE - exhaust	4
35	11-8929	*GUIDE - valve (exhaust)	4
36	11-8934	*SEAL - valve stem (exhaust, marked w/ yellow stripe)	4
37	11-8932	*SPRING - valve	8
38	11-8933	*RETAINER - spring	8
39	55-8858	*KEEPER - valve	8
40	11-8936	*CAP - valve	8
41	55-8853	SCREW - cylinder head	18
42	33-4122	GASKET - cylinder head	1
	33-5056	GASKET - head (see Service Bulletin TT537)	1
43	13-126	LIFTER - engine	2
44	55-5801	SCREW - lifter	4
45	11-8942	FLANGE	1
46	55-5763	*PLUG	1
47	33-2934	GASKET - flange	1
48	55-8441	SCREW - flange	4
49	203-348	GASKET - liquid	A/R
50	13-648	SEAT - valve (intake)	4
51	11-8927	SEAT - valve (exhaust)	4



CRANKSHAFT & PISTON GROUP (TK486 series)**204F6**Revised
11/25/15

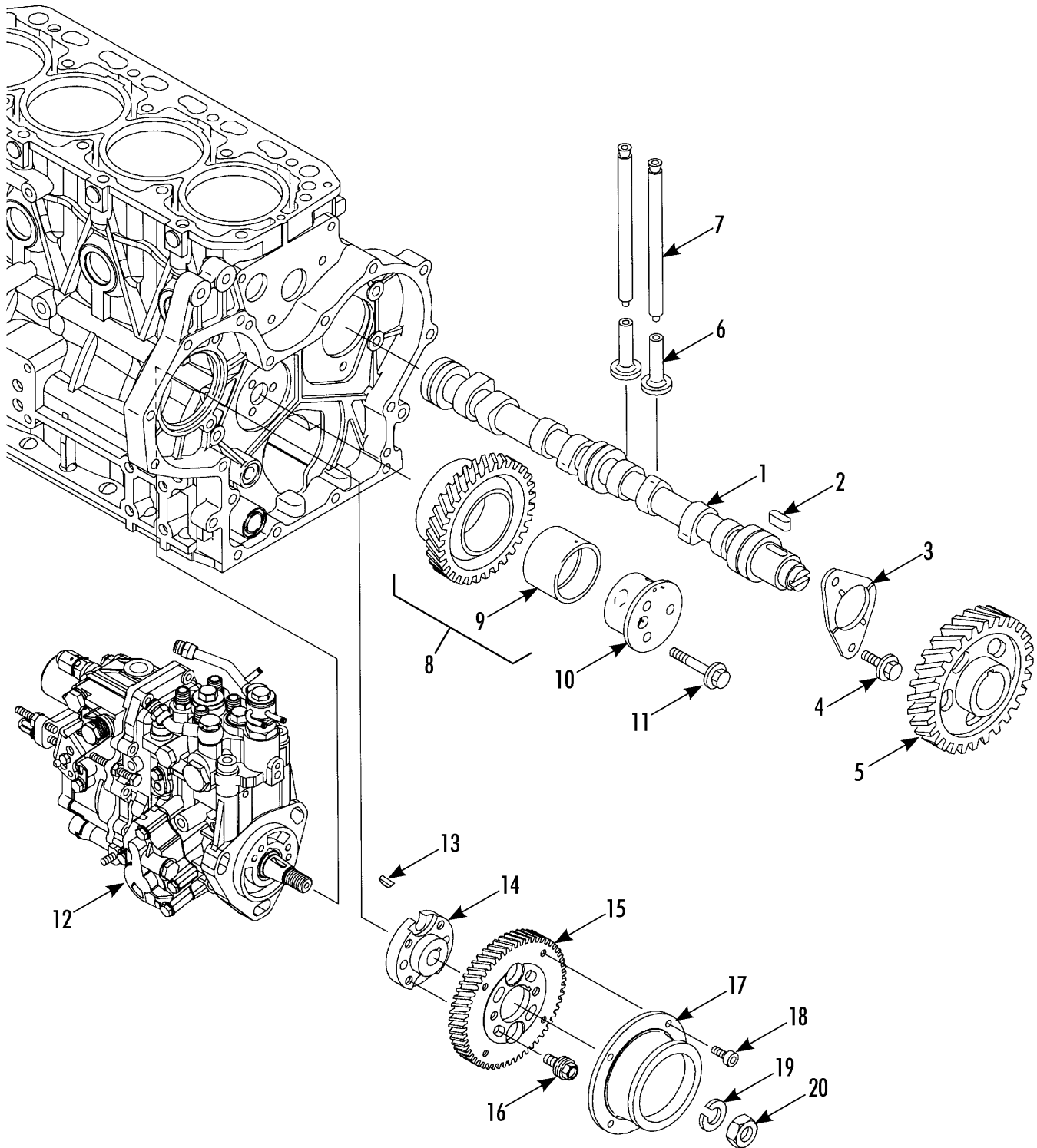
REF	PART NO.	DESCRIPTION	QTY
1	13-1064	PISTON (std, incl 2-4)	4
	13-1065	PISTON (w/ ring, 0.25 mm os)	4
	13-1066	PISTON (w/ ring, 0.50 mm os)	4
2	13-355	*RING SET (std)	2
	13-461	*RING SET (0.25 mm os)	4
	13-455	*RING SET (0.50 mm os)	4
3	11-8950	*PIN - piston	4
4	11-8951	*CIRCLIP	8
5	11-8952	ROD - connecting	4
6	11-8953	*BUSHING - piston pin	4
7	13-924	*BEARING - connecting rod (std)	4
	13-925	*BEARING - connecting rod (0.25 mm os)	4
8	55-8865	*BOLT - connecting rod	8
9	12-750	FLYWHEEL	1
10	11-8947	*GEAR - ring (before 11/08)	1
	13-1138	*GEAR - ring (11/08 & after)	1
11	55-8864	BOLT - flywheel	6
12	55-5816	PIN - dowel	1
13	13-351	CRANKSHAFT	1
14	11-6719	*KEY - gear	1
15	13-352	GEAR - crankshaft	1
16	55-4668	PIN - spring	1
17	13-353	PULLEY - crankshaft	1
18	55-6249	WASHER	1
19	55-6250	BOLT - v-pulley	1
20	11-9592	SPEEDI SLEEVE - front seal	1

NOTE: Engines before serial number EA00749, use gear ring 11-8947. Engines with serial number EA00749 and after, use gear ring 13-1138.



INTAKE & EXHAUST MANIFOLD (TK486 series)**204F7**Revised
04/05/13

REF	PART NO.	DESCRIPTION	QTY
1	33-2936	GASKET - intake manifold	1
2	13-343	MANIFOLD - intake	1
3	55-5763	*PLUG	1
4	55-6188	SCREW - intake manifold (20 mm)	6
5	55-8717	SCREW - intake manifold (80 mm)	1
6	33-2765	GASKET - air heater	1
7	41-2147	HEATER - air	1
8	33-2764	GASKET - inlet	1
9	11-9266	INLET - intake manifold	1
10	55-6191	SCREW - inlet (35 mm)	4
11	33-2937	GASKET - exhaust manifold	1
12	11-8944	MANIFOLD - exhaust	1
13	51-1153	STUD - exhaust manifold	2
14	51-594	NUT	2
15	51-1152	SCREW - exhaust manifold (40 mm)	7



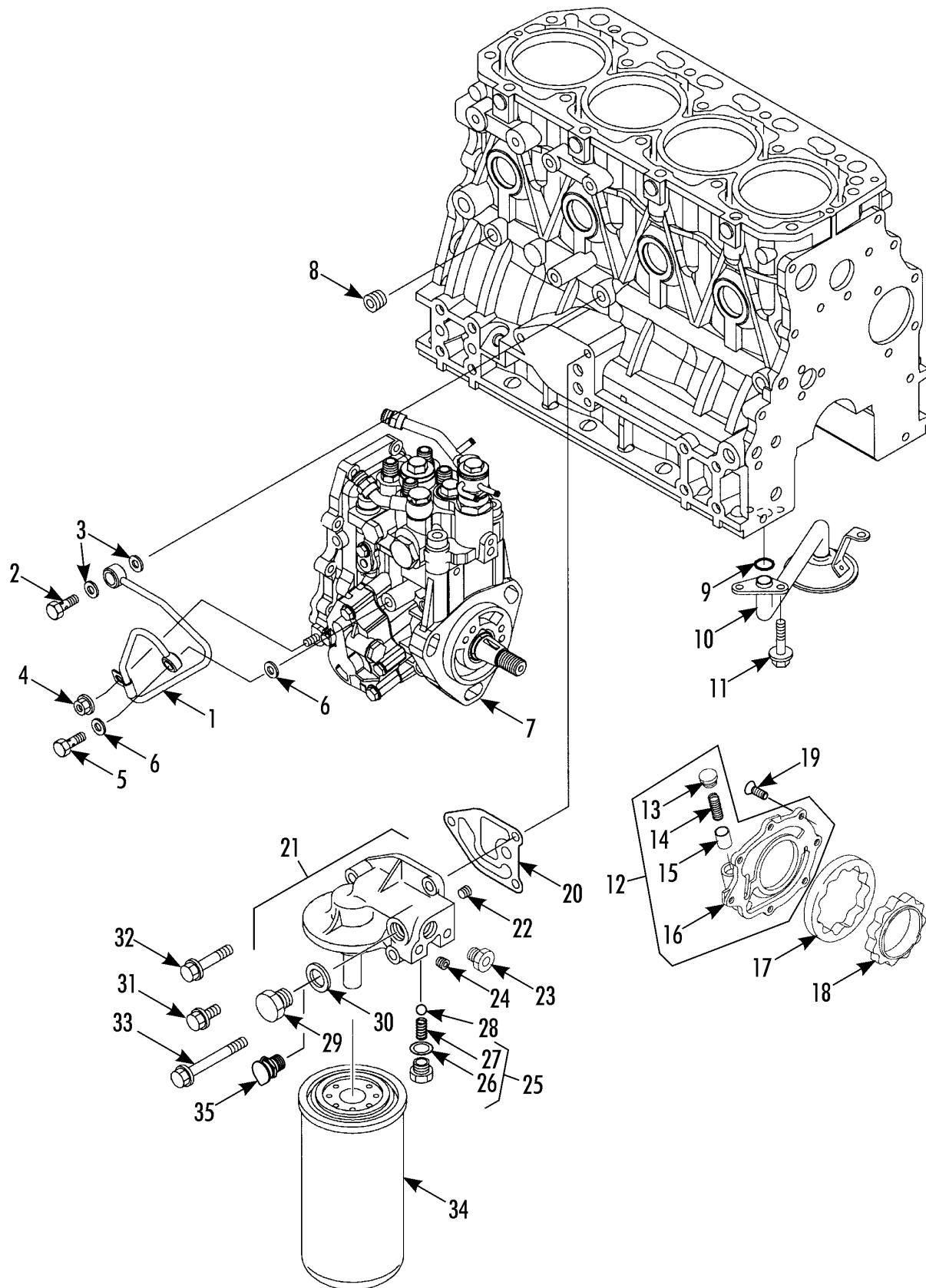
Revised
06/10/15

CAMSHAFT & DRIVE GEAR GROUP (TK486 series)



204F8

REF	PART NO.	DESCRIPTION	QTY
1	11-9261	CAMSHAFT (incl items 2 thru 5)	1
2	11-6719	*KEY - gear	1
3	NSS	*BEARING - thrust	1
4	55-5801	*BOLT - plate	2
5	11-6716	*GEAR - camshaft	1
6	11-6717	TAPPET	8
7	11-8945	ROD - push	8
8	13-930	GEAR (w/ bushing)	1
9	13-2299	*BUSHING - idler gear	1
10	13-345	SHAFT - idler gear	1
11	55-5772	SCREW - gear	2
12	101-362	PUMP - fuel injection (2200 rpm, see 204G1)	1
	101-354	PUMP - fuel injection (2600 rpm, see 205C5)	1
13	51-2009	KEY - gear	1
14	13-350	FLANGE	1
15	13-349	GEAR - injection pump	1
16	55-9222	SCREW - gear	4
17	13-346	CAM - feed pump	1
18	55-9223	SCREW - cam	4
19	51-1154	WASHER	1
20	51-1155	NUT	1



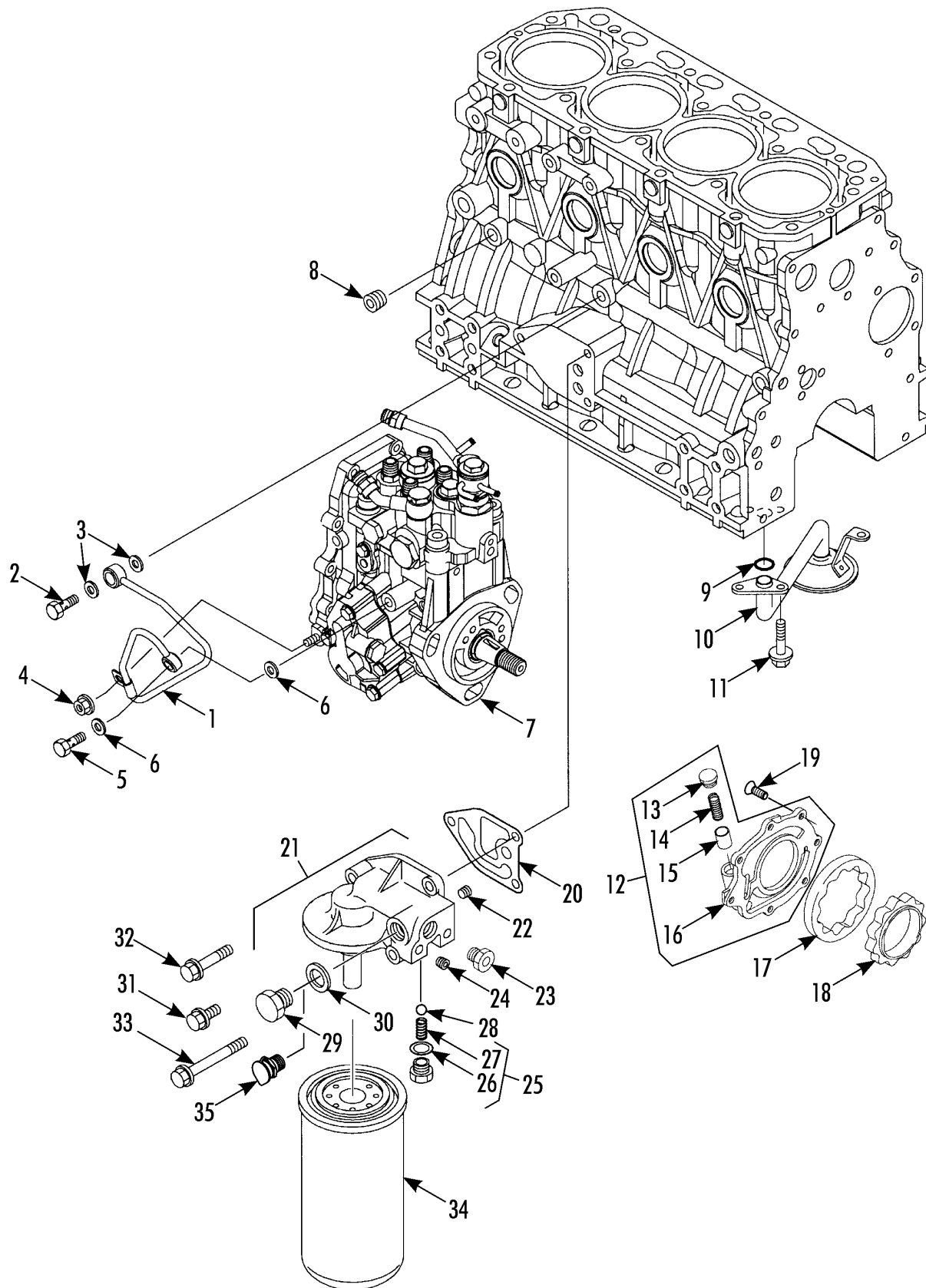
OIL FILTER & PUMP GROUP (TK486 series)



204F9

Revised
11/25/15

REF	PART NO.	DESCRIPTION	QTY
1	13-357	PIPE - oil	1
2	55-4644	BOLT - eye	1
3	33-3833	SEAL - washer (10)	2
4	55-5792	NUT	1
5	51-1158	BOLT - eye	1
6	55-4622	WASHER - sealing (8)	2
7	101-362	PUMP - fuel injection (2200 rpm, see 204G1)	1
	101-354	PUMP - fuel injection (2600 rpm)	1
8	51-1159	PLUG	1
9	33-4089	O-RING - pipe	1
10	13-356	PIPE - oil pickup	1
11	55-8441	SCREW - pipe (16 mm)	2
12	13-323	COVER - oil pump (w/ check valve)	1
13	51-1147	*PLUG	1
14	13-325	*SPRING	1
15	13-324	*VALVE - check	1
16	13-326	*COVER - oil pump	1
17	13-328	ROTOR - outer	1
18	13-327	ROTOR - inner	1
19	51-592	SCREW - oil pump	7
20	33-2931	GASKET - oil filter bracket	1
21	11-9354	BRACKET - filter (incl 22 - 30)	1
22	11-8964	*ORIFICE	1
23	51-593	*PLUG (3/8)	1
24	55-5763	*PLUG (1/8)	2
25	11-8995	*VALVE - check	1
26	51-1157	**WASHER - sealing (14)	1
27	11-8965	**SPRING	1
28	55-8868	*BALL	1
29	51-1156	*PLUG	1
30	51-1157	*WASHER - sealing (14)	1
31	55-6188	SCREW - bracket (20 mm)	1
32	55-5809	SCREW - bracket (45 mm)	1



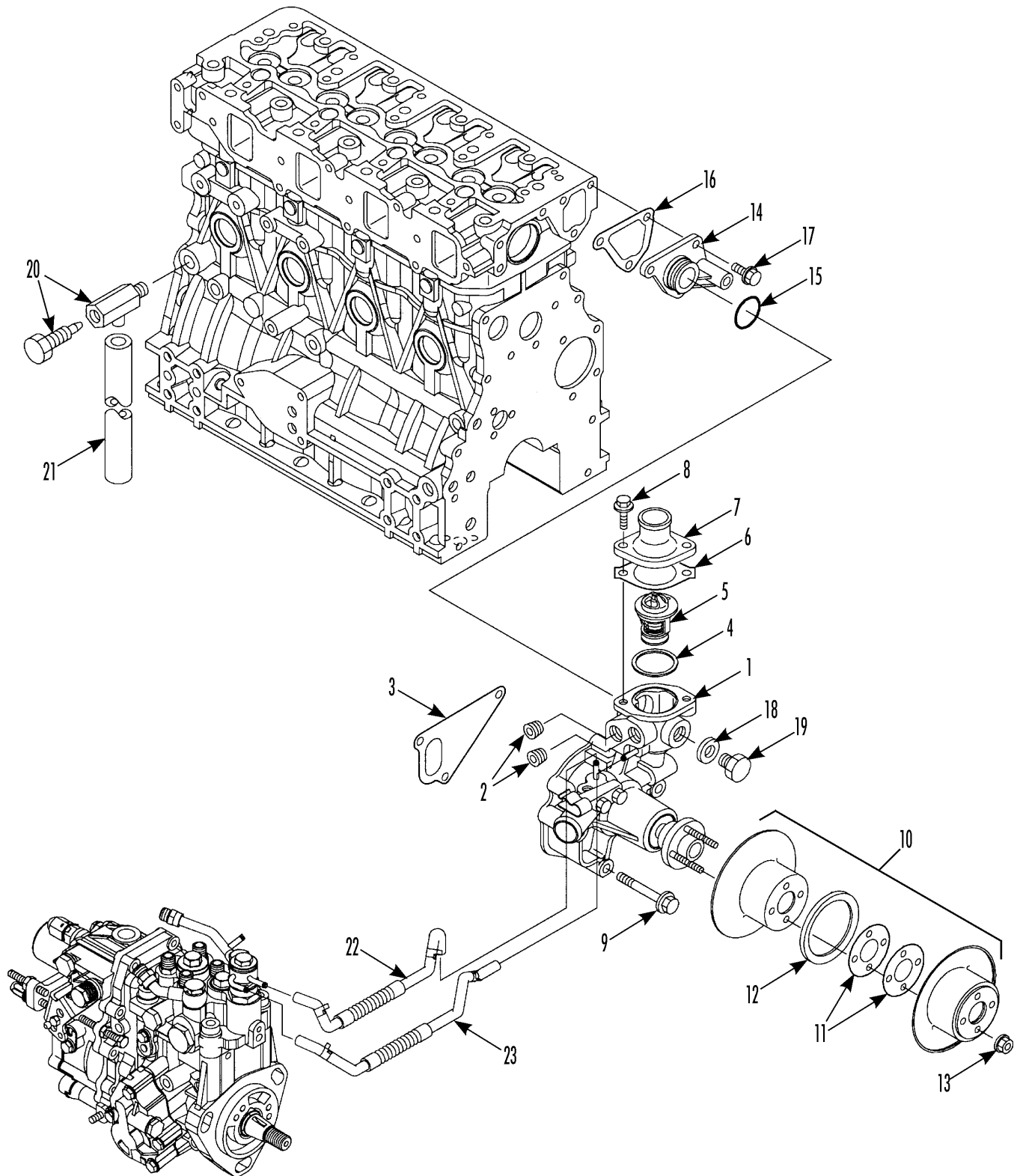
OIL FILTER & PUMP GROUP (TK486 series)



204F9

Revised
11/25/15

REF	PART NO.	DESCRIPTION	QTY
33	55-8869	SCREW - bracket (75 mm)	1
34	11-9182	FILTER - oil (EMI 3000)	1
35	11-9447	FITTING - oil inlet (ESOC)	1



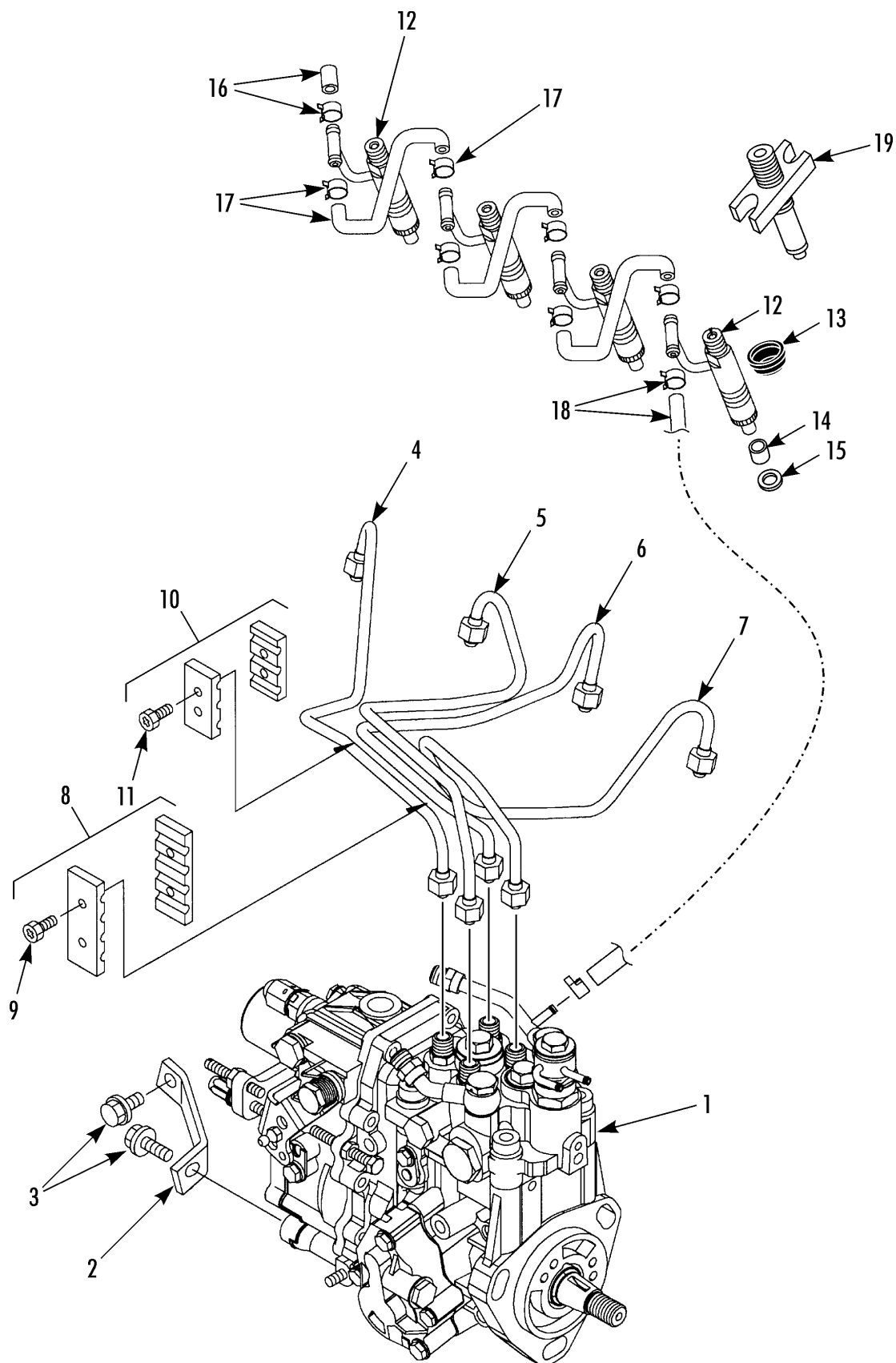
WATER PUMP ASSEMBLY (TK486 series)



204F0

Revised
05/13/15

REF	PART NO.	DESCRIPTION	QTY
1	13-509	PUMP - water (ELC compatible)	1
	813-509	PUMP - water (ELC compatible, reman)	1
2	51-607	*PLUG	2
3	33-3096	**GASKET - water pump	1
	30-295	GASKET SET (inc items 3, 4, 6, 16)	1
4	33-2768	GASKET	1
5	13-385	THERMOSTAT (160 F, 71 C)	1
6	33-2767	GASKET	1
7	11-8675	COVER - thermostat	1
8	55-6188	SCREW - thermostat	2
9	55-6248	SCREW - pump	3
10	13-358	PULLEY - water pump	1
11	77-1427	*SHIM (1 mm)	A/R
	77-2752	*SHIM (0.5 mm)	A/R
12	77-1428	*SPACER	1
13	55-5792	NUT	4
14	13-815	JOINT - pump	1
15	33-3098	*O-RING - joint	1
16	33-3097	GASKET - joint	1
17	55-8441	SCREW - joint	3
18	33-1745	WASHER - sealing	1
19	11-9256	PLUG	1
20	55-5780	COCK - drain	1
21	13-360	HOSE - drain	1
22	13-363	HOSE - inj pump to water pump	1
23	13-514	HOSE - inj pump to water pump	1
	51-588	CLAMP - hose	4



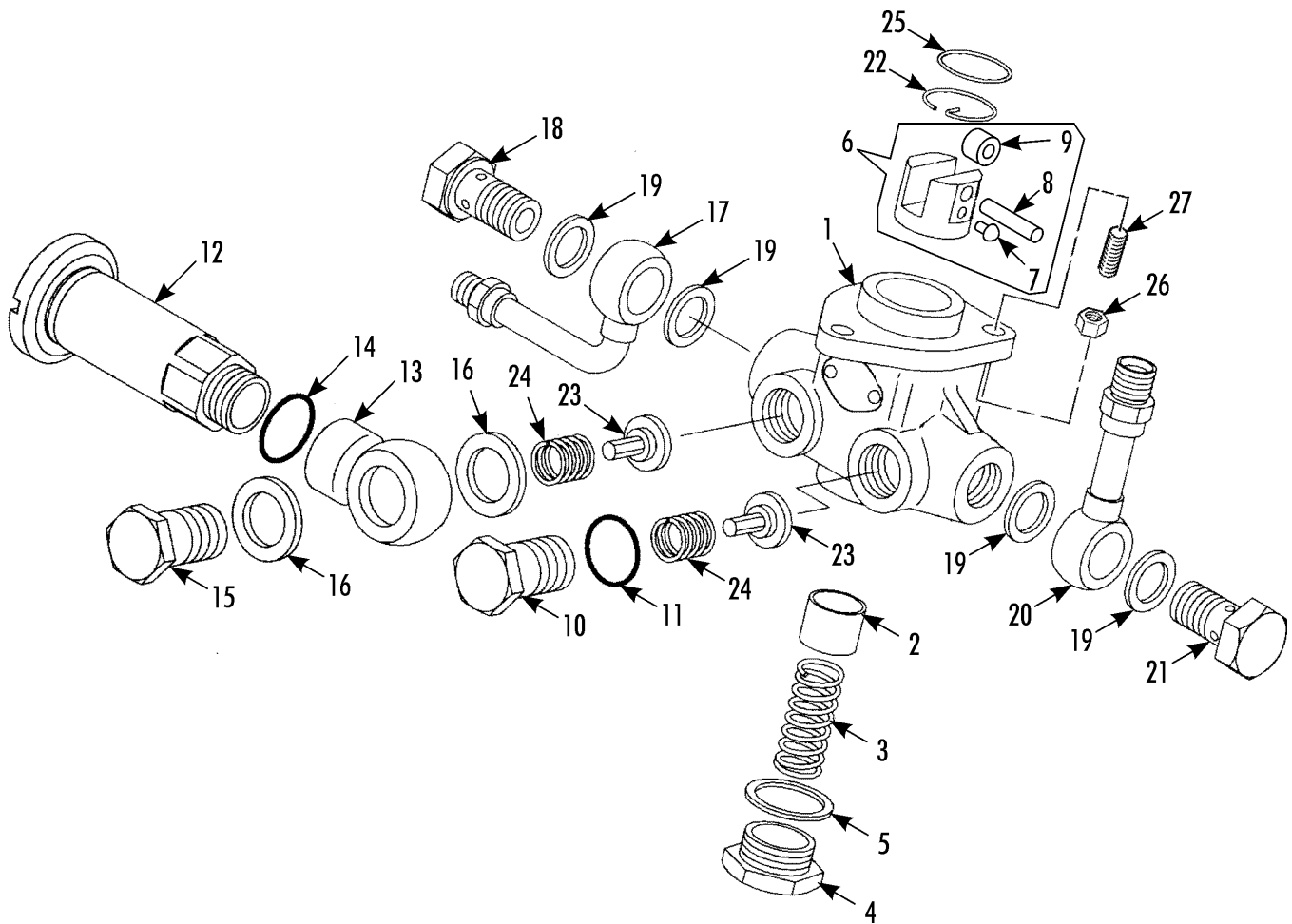
FUEL INJECTION GROUP (TK486 series)



204G1

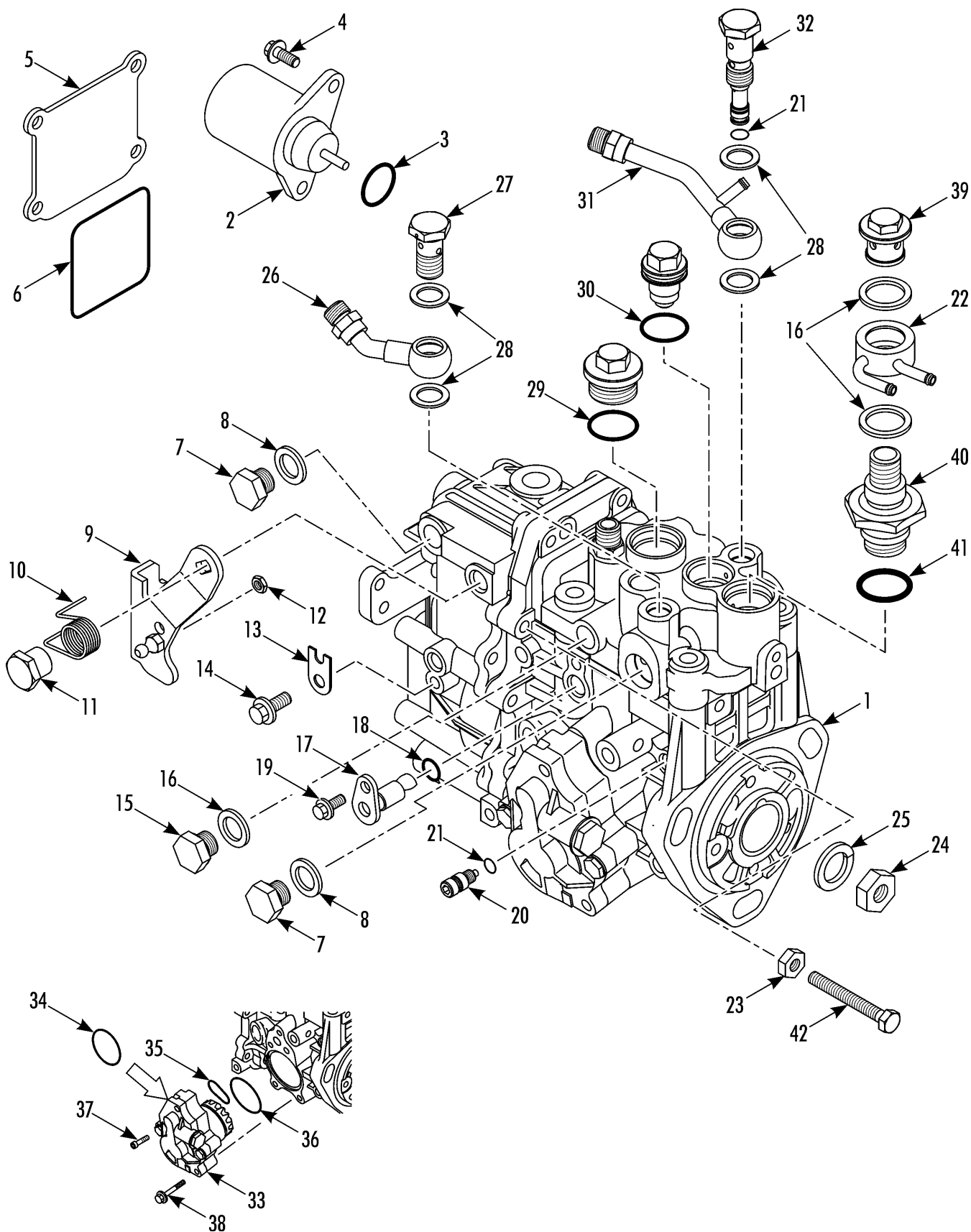
Revised
11/25/15

REF	PART NO.	DESCRIPTION	QTY
1	101-362	PUMP - fuel injection (2200 rpm, see 204G2)	1
	101-354	PUMP - fuel injection (2600 rpm, see 205C5)	1
2	13-365	BRACKET - pump	1
3	55-6188	SCREW - support	2
4	13-371	PIPE - fuel injection	1
5	13-391	PIPE - fuel injection	1
6	13-392	PIPE - fuel injection	1
7	13-393	PIPE - fuel injection	1
8	13-368	RETAINER - tube (4 tubes)	1
9	55-8626	SCREW - retainer	1
10	11-6109	RETAINER - tube (3 tubes)	1
11	55-8626	SCREW - retainer	1
12	13-388	NOZZLE - injection (2200 rpm engine)	4
	13-389	NOZZLE - injection (2600 rpm engine)	4
13	33-4174	*GASKET - nozzle	1
14	11-6707	GASKET - copper (nozzle seat)	1
15	13-341	PROTECTOR - nozzle	1
16	10-373	KIT - fuel return	1
17	13-310	HOSE & CLAMPS (nozzle to nozzle)	3
18	13-451	HOSE & CLAMPS (nozzle to pump)	1
19	204-1848	ADAPTER - compression tester	1
	11-9446	*VALVE (Schrader)	1
	55-1819	*SEAL - copper	1
	55-4607	*FLATWASHER	2
	204-542	TESTER - compression	1



FUEL PUMP ASSEMBLY (TK486 series)**142F8**Revised
11/25/15

REF	PART NO.	DESCRIPTION	QTY
	11-7433	PUMP - fuel, complete	1
1	NSS	*HOUSING - pump	1
2	11-8970	*PISTON	1
3	11-8971	*SPRING - piston	1
4	55-8871	*RETAINER	1
5	33-2940	*GASKET	1
6	11-8998	*TAPPET	1
7	11-5890	**GUIDE	2
8	11-5889	**PIN	1
9	11-2770	**ROLLER	1
10	11-8974	*RETAINER - valve	1
11	33-2941	*O-RING	1
12	11-8680	*PUMP	1
13	11-8975	*JOINT - banjo	1
14	33-2771	*O-RING	1
15	11-8976	*BOLT - eye	1
16	11-8977	*GASKET	2
17	11-7499	*JOINT - banjo (elbow, before engine S/N L68462)	1
	13-128	*JOINT - banjo (elbow, engine S/N L68462 & after)	1
18	11-8681	*BOLT - eye (with screen)	1
	11-2854	**SCREEN (brass, #30)	1
19	33-1749	*GASKET	4
20	13-127	*JOINT - banjo (straight, engine S/N L68462 & after)	1
	11-7707	*JOINT - banjo (straight, before engine S/N L68462)	1
21	11-8682	*BOLT - eye	1
22	55-8872	*PIN - snap	1
23	11-8972	*VALVE	2
24	11-8973	*SPRING	2
25	33-2942	O-RING	1
26	55-4750	NUT	3
27	55-6367	STUD - fuel pump	3



FUEL INJECTION PUMP GROUP (TK486 series, 2200 RPM)

Revised
03/17/16



204G2

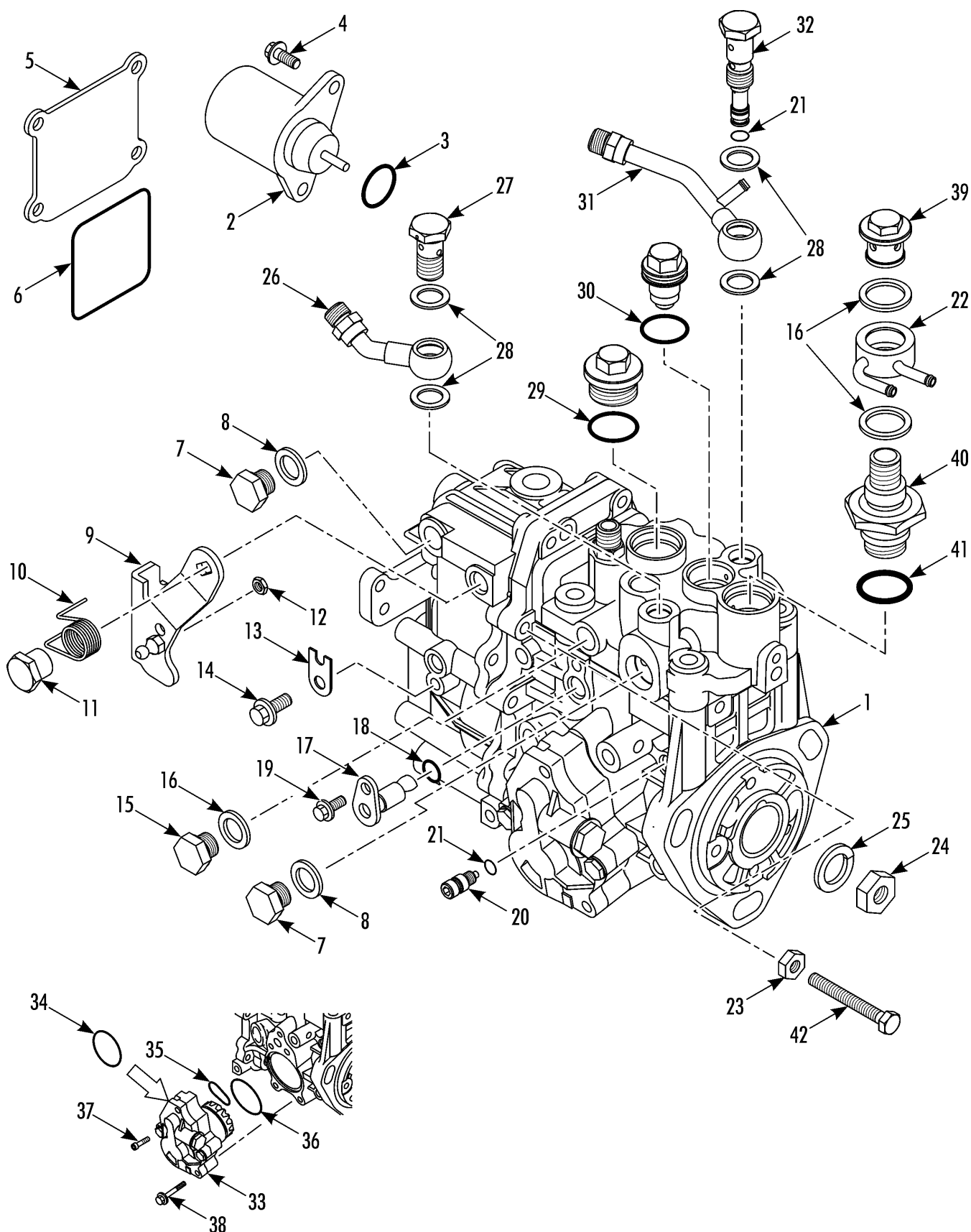
REF	PART NO.	DESCRIPTION	QTY
1	101-362	PUMP - fuel injection (2200 rpm)	1
2	42-100	*SOLENOID - stop	1
	42-1700	SOLENOID - stop (SLX & SLXe units only after 10/14, see note)	1
3	33-2230	*O-RING - solenoid	1
4	55-8448	*SCREW - solenoid	2
5	13-440	*COVER - governor	1
6	33-5271	*GASKET - cover	1
7	55-6230	*PLUG (12 mm)	2
8	33-4169	*WASHER - sealing (12 mm)	2
9	12-925	*LEVER - control	1
10	13-442	*SPRING - lever	1
11	51-1205	*NUT - lever	1
12	51-1206	*NUT - ball joint	1
13	11-6125	*RETAINER - shaft	1
14	55-5822	*SCREW - retainer	1
15	51-1207	*PLUG	1
16	33-4170	*WASHER - sealing (18 mm)	3
17	13-444	*LIFTER	1
18	55-4676	*O-RING - lifter	1
19	55-5822	*SCREW - lifter	1
20	13-445	*STOPPER	1
21	33-4171	*O-RING - stopper & eye bolt	2
22	13-450	*JOINT - banjo (water)	1
23	55-5846	*NUT	1
24	51-1155	*NUT	1
25	51-1154	*LOCKWASHER	1
26	13-446	*JOINT - banjo (fuel in)	1
27	13-447	*BOLT - eye	1
28	55-8620	*WASHER - sealing (12 mm)	4
29	33-4172	*O-RING - plug	1
30	33-4173	*O-RING - plug	1
31	13-448	*JOINT - banjo (fuel out)	1
32	13-449	*BOLT - eye	1

NOTE: Refer to SB 1008 for new solenoid stop.



FUEL INJECTION PUMP GROUP (TK486 series, 2200 RPM)

Revised
03/17/16



**FUEL INJECTION PUMP GROUP (TK486 series,
2200 RPM)**

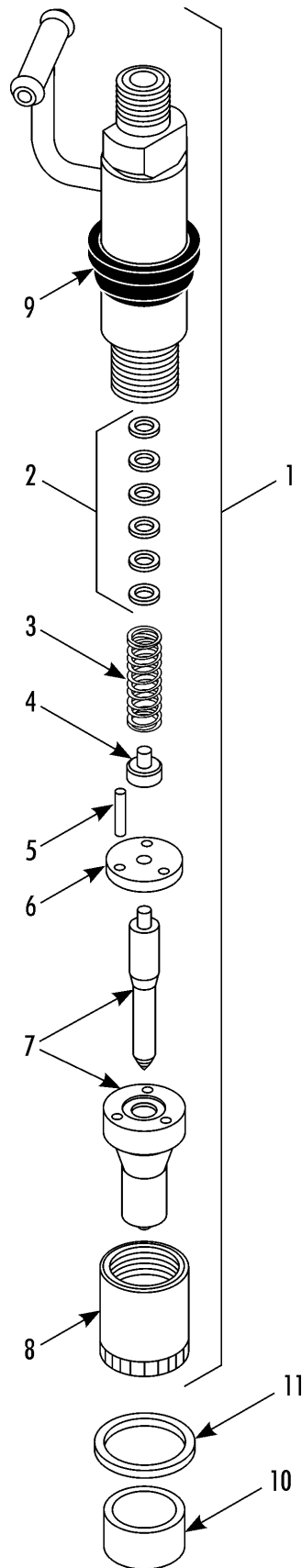
Revised
03/17/16



204G2

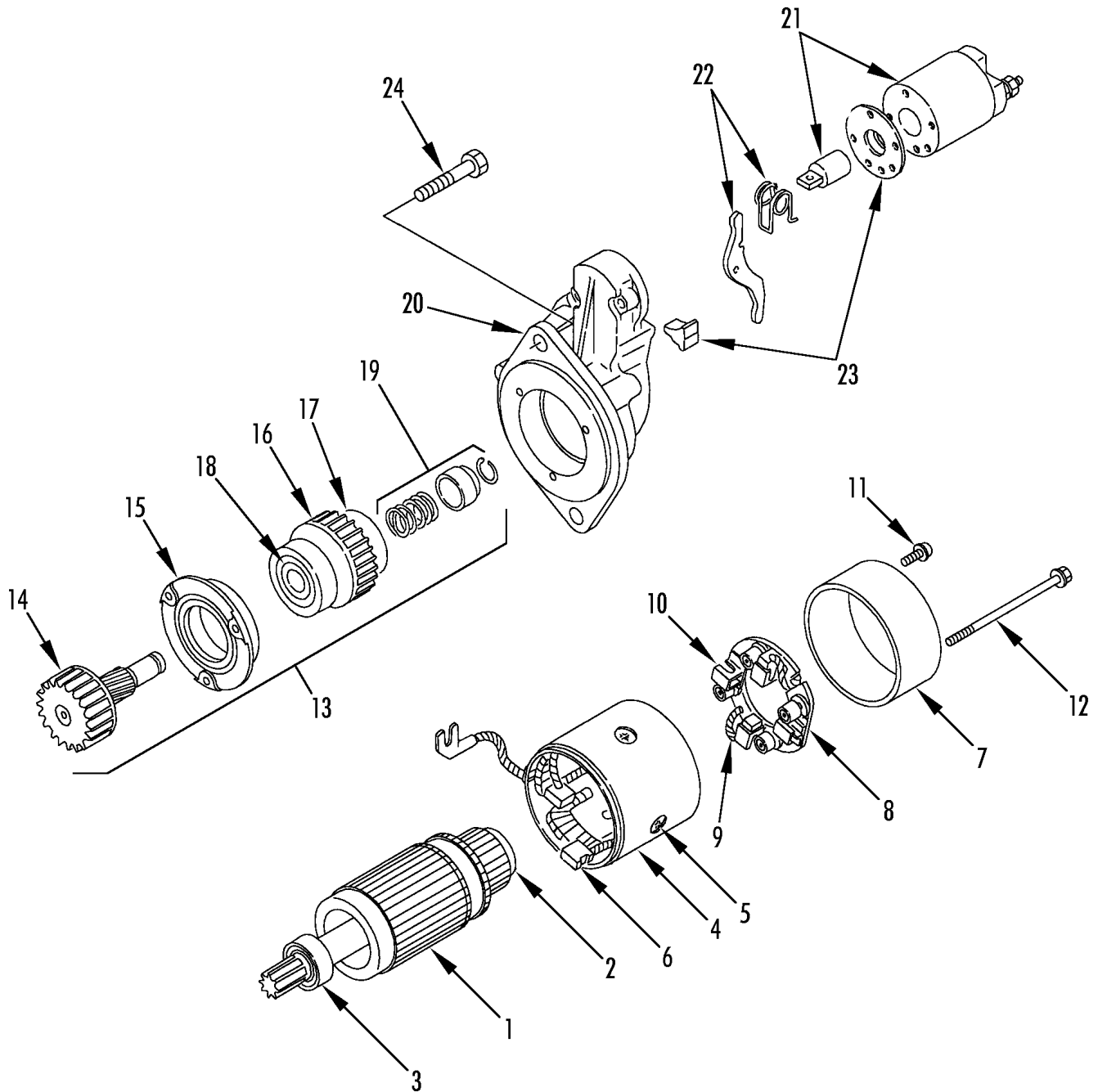
REF	PART NO.	DESCRIPTION	QTY
33	13-511	*PUMP - feed	1
34	33-4193	**O-RING - inner	1
35	33-4990	*O-RING - pump	1
36	33-4190	*O-RING - pump	1
37	55-6187	*SCREW - pump (socket head)	2
38	51-1269	*SCREW - pump (hex head)	4
39	13-498	*CAP - joint, banjo	1
40	13-513	*THERMOSTAT	1
41	33-4196	*O-RING	1
42	51-612	*SCREW - idler limit	1
	55-7802	SCREW - idler limit (genset units)	1

NOTE: Refer to SB 1008 for new solenoid stop.



FUEL INJECTION NOZZLE (TK486 series)**204G5**Revised
11/25/15

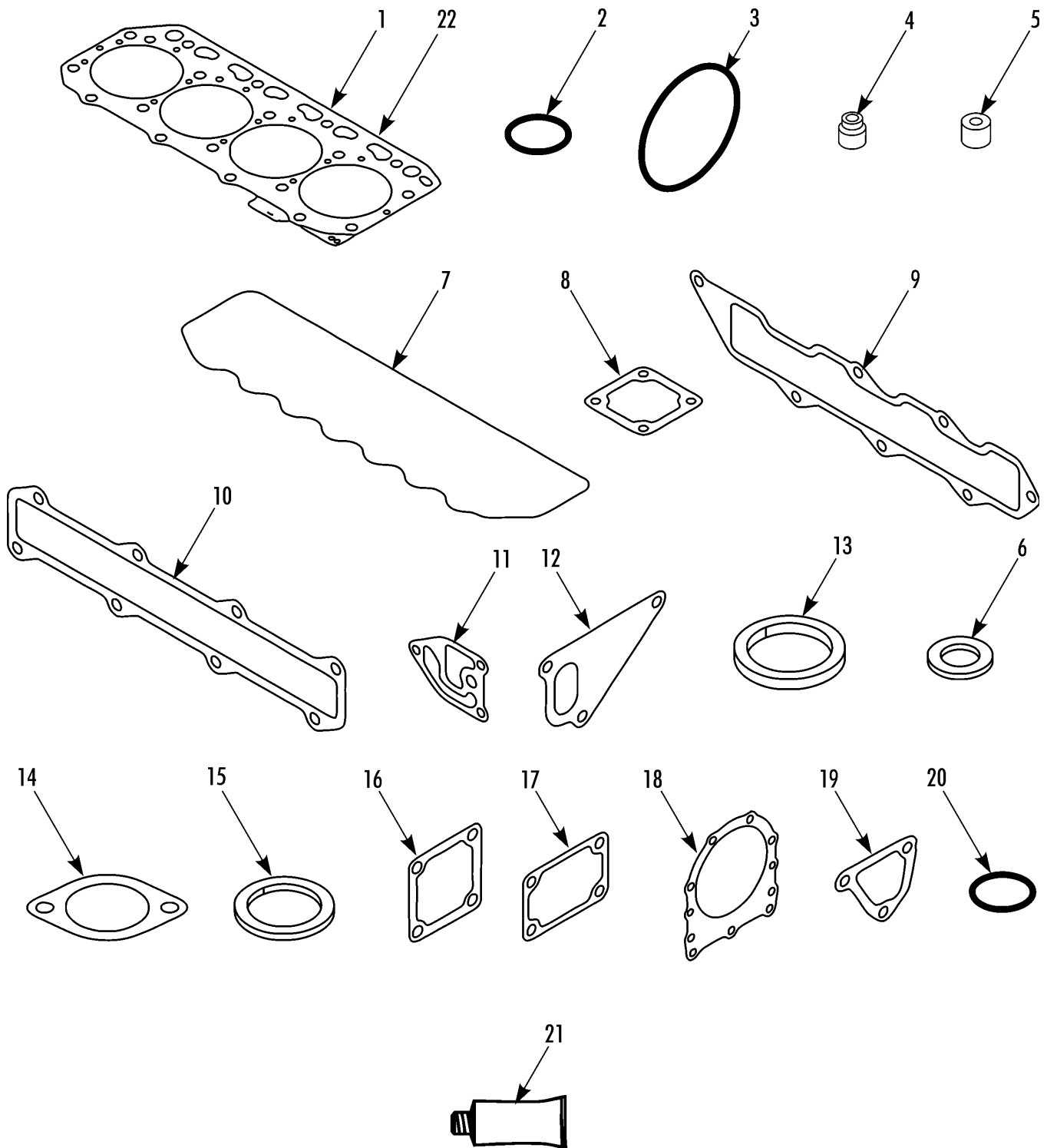
REF	PART NO.	DESCRIPTION	QTY
	13-388	VALVE - fuel injection	4
1	11-6787	*HOLDER - nozzle	1
2	11-6108	**SHIM SET	1
3	11-6788	**SPRING - nozzle	1
4	11-6106	**RETAINER - nozzle spring	1
5	11-6790	**PIN	1
6	11-6789	**PLATE - stop	1
7	13-370	**NOZZLE	1
8	11-6786	**NUT - nozzle case	1
9	33-4174	**GASKET - nozzle	1
10	13-341	PROTECTOR - nozzle	4
11	11-6707	GASKET - copper (nozzle seat)	4



STARTER ASSEMBLY 12 VOLT (TK486 series)**204G3**Revised
12/06/05

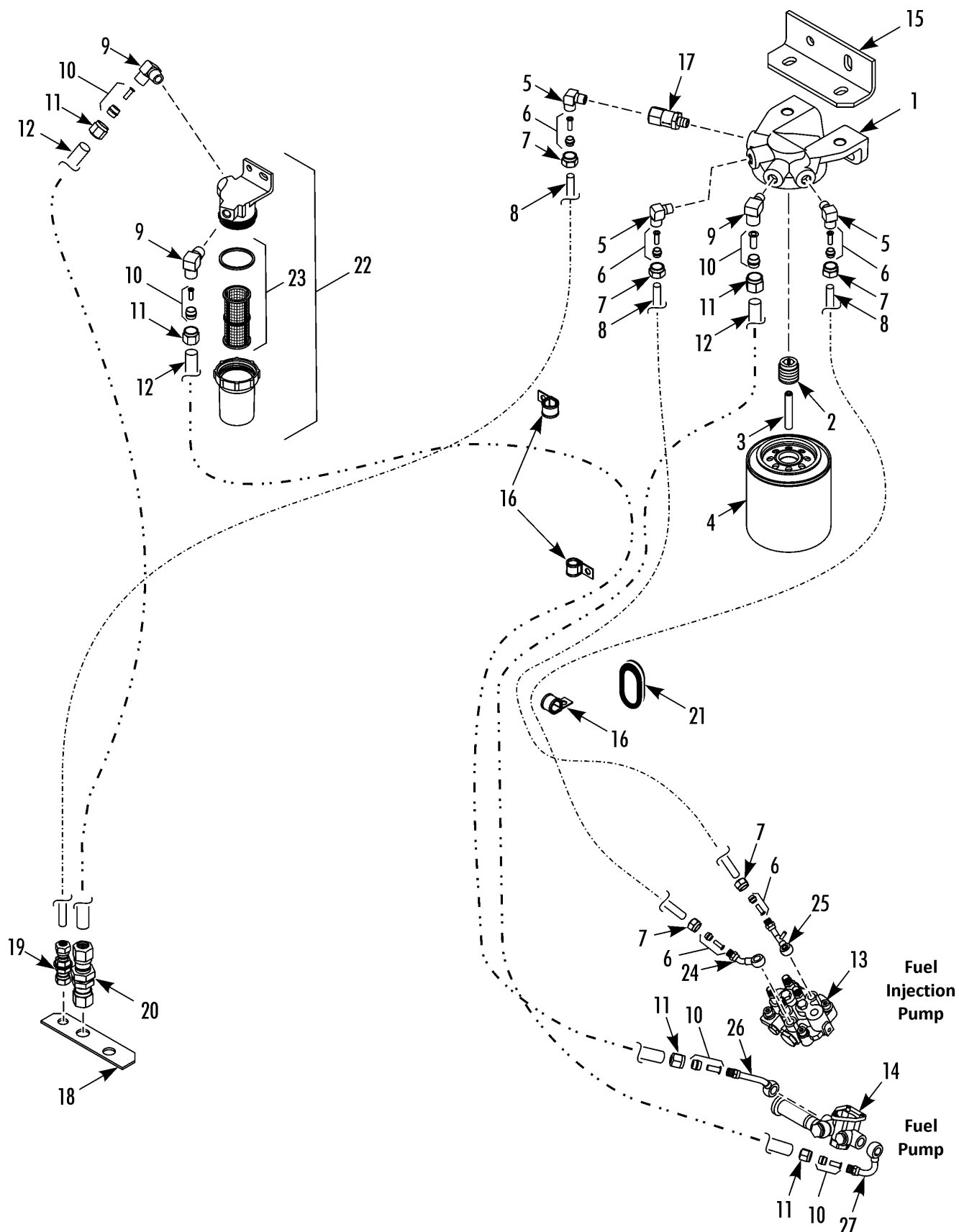
REF	PART NO.	DESCRIPTION	QTY
	45-2177	STARTER (12V)	1
1	41-6508	*ARMATURE (12V)	1
2	77-2468	*BEARING	1
3	77-2469	*BEARING	1
4	41-6509	*YOKE - assembly	1
5	55-8894	**SCREW - field coil	4
6	41-6510	**BRUSH - positive (not for 24V)	2
7	41-6513	*COVER - rear	1
8	41-6511	*HOLDER - brush (not for 24V)	1
9	41-6512	**SPRING - brush	4
10	41-6510	**BRUSH (not for 24V)	2
11	55-8897	*SCREW - cover	2
12	51-1161	*BOLT - thru, cover	2
13	41-6518	*PINION - assembly	1
14	41-6519	**SHAFT - pinion	1
15	77-2833	**RETAINER	1
16	41-6520	**CLUTCH - assembly	1
17	41-6521	***BEARING - ball	1
18	77-2834	***BEARING - ball	1
19	41-2156	**STOPPER - pinion	1
20	41-6514	*CASE - cover	1
21	41-6515	*SOLENOID (12V)	1
22	41-6516	*LEVER	1
23	41-6517	*COVER - dust	1
24	55-8898	SCREW - starter	2

NOTE: See grid 212B9 for 24 volt starter.



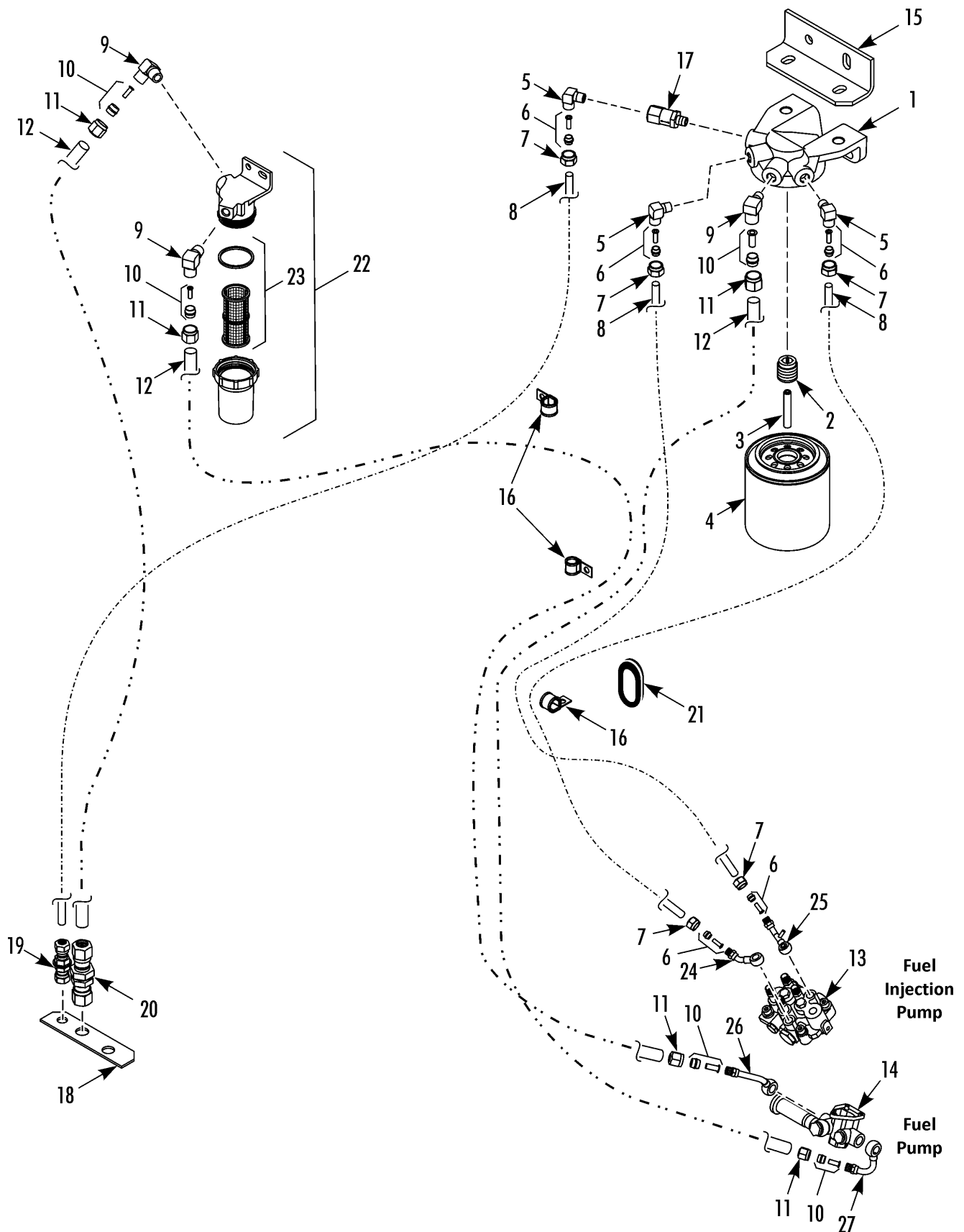


REF	PART NO.	DESCRIPTION	QTY
	30-336	KIT - gasket set	1
1	33-4122	*GASKET - cylinder head (all 2200 rpm engine & 2600 rpm engines built before 3/08)	1
2	33-3098	*GASKET	1
3	33-1953	*O-RING - fuel injection pump	1
4	11-8935	*SEAL - valve stem (exhaust)	4
	11-8934	*SEAL - valve stem (intake)	4
5	13-341	*PROTECTOR - nozzle	4
6	11-6707	*GASKET - copper (nozzle seat)	4
7	13-340	*GASKET - valve cover	1
8	33-2764	*GASKET	1
9	33-2936	*GASKET - intake manifold	1
10	33-2937	*GASKET - exhaust manifold	1
11	33-2931	*GASKET	1
12	33-3096	*GASKET - water pump	1
13	33-1745	*WASHER - sealing (16)	1
	33-3833	*WASHER - sealing (10)	2
	55-4622	*WASHER - sealing (8)	12
14	33-2767	*GASKET	1
15	33-2768	*GASKET	1
16	33-2765	*GASKET - air heater	1
17	33-2934	*GASKET - flange	1
18	33-2969	*GASKET - oil seal case	1
19	33-3097	*GASKET - thermostat case	1
20	33-3512	*O-RING (12.0)	3
	33-3821	*O-RING (16.0)	2
	33-4089	*O-RING (20.0)	1
	33-4090	*O-RING (31.5)	1
	33-1954	*O-RING (32.0)	3
	33-2762	*O-RING (50.0)	1
21	203-348	*GASKET - adhesive (RTV silicone)	A/R
22	33-4517	GASKET - cylinder head (2600 rpm engines built after 3/08)	1



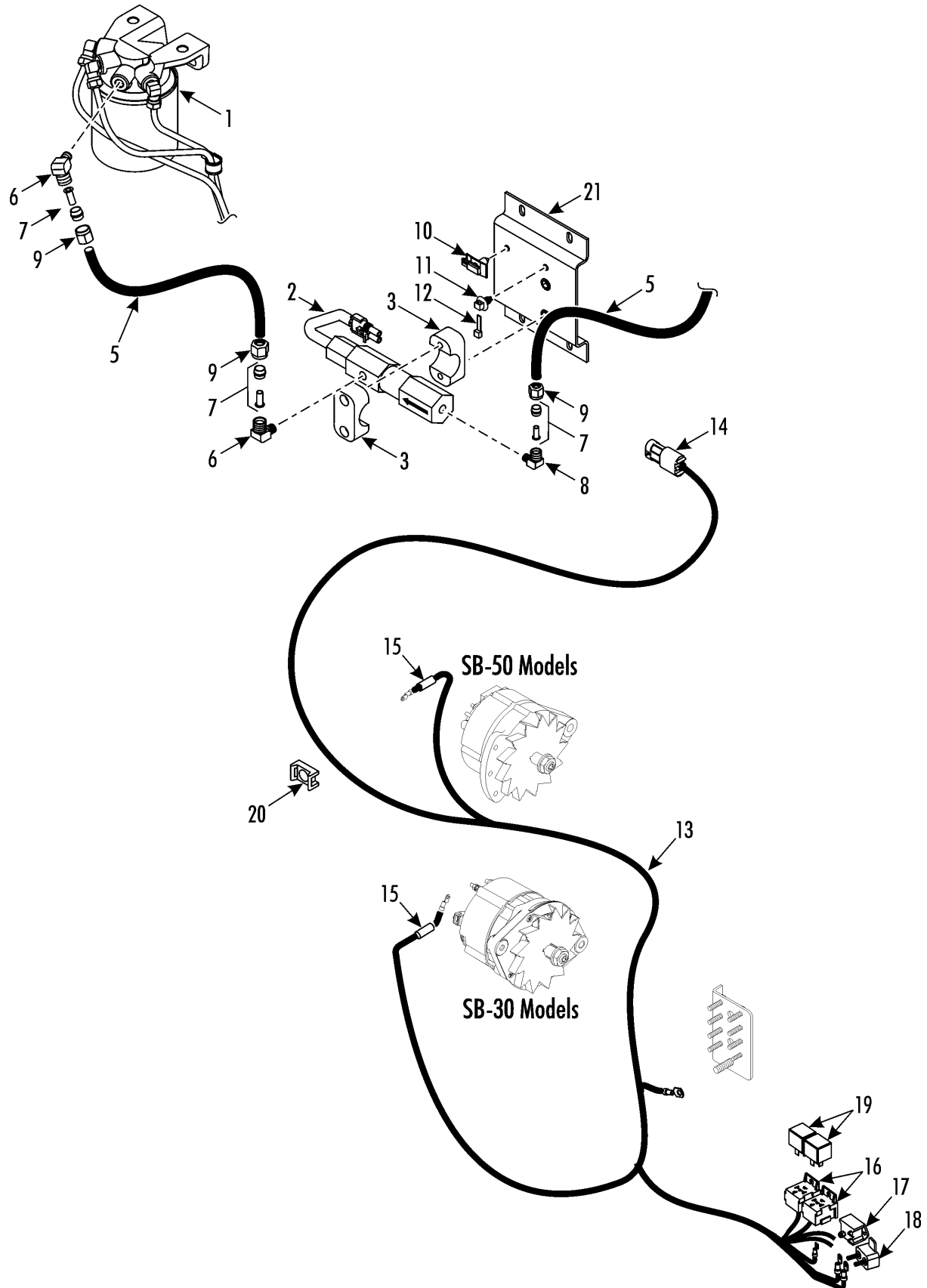
FUEL FILTER & HOSES (w/ fuel strainer)**247F6**Revised
07/13/15

REF	PART NO.	DESCRIPTION	QTY
1	11-9015	HEAD - fuel filter	1
	55-5078	NUT	2
	55-402	FLATWASHER	2
2	11-9017	SPUD - fuel filter	1
3	11-9016	SHAFT - water bleed	1
4	11-9954	FILTER - fuel (5 micron, EMI 3000)	1
5	11-5320	ELBOW - hose (1/4)	3
6	10-243	KIT - sleeve & eyelet (1/4)	5
7	11-4841	NUT - hose (1/4)	5
8	11-4367	HOSE (1/4 od x 35 ft lg)	A/R
9	11-4380	ELBOW - hose fitting (3/8)	1
10	10-242	KIT - sleeve & eyelet (3/8)	4
11	11-4941	NUT - hose (3/8)	4
12	11-4372	HOSE (3/8 od x 35 ft lg)	A/R
13	101-362	PUMP - fuel injection (see 204G2, TK486V, 2200 rpm)	1
	101-354	PUMP - fuel injection (see 205C5, TK486VH, 2600 rpm)	1
14	11-7433	PUMP - fuel (see 142F8)	1
15	91-8732	BRACKET - fuel filter	1
	55-129	SCREW - bracket	2
	55-402	FLATWASHER	4
	55-5078	NUT	2
16	55-4203	CLAMP - hose (5/8) near flywheel housing	1
	55-3644	CLAMP - hose (1.0) near throttle solenoid	1
	55-3065	CLAMP - hose (0.5) vertical channel behind engine	1
	55-5424	SCREW - clamp (M8)	1
	55-7727	LOCKWASHER	1
	55-7069	FLATWASHER	1
	55-145	SCREW - clamp (1/4-20)	3
	55-411	FLATWASHER	3
	55-366	LOCKWASHER	2
	55-4118	NUT	1
17	10-342	KIT - check valve (fuel line)	1
	11-9245	*VALVE - check	1



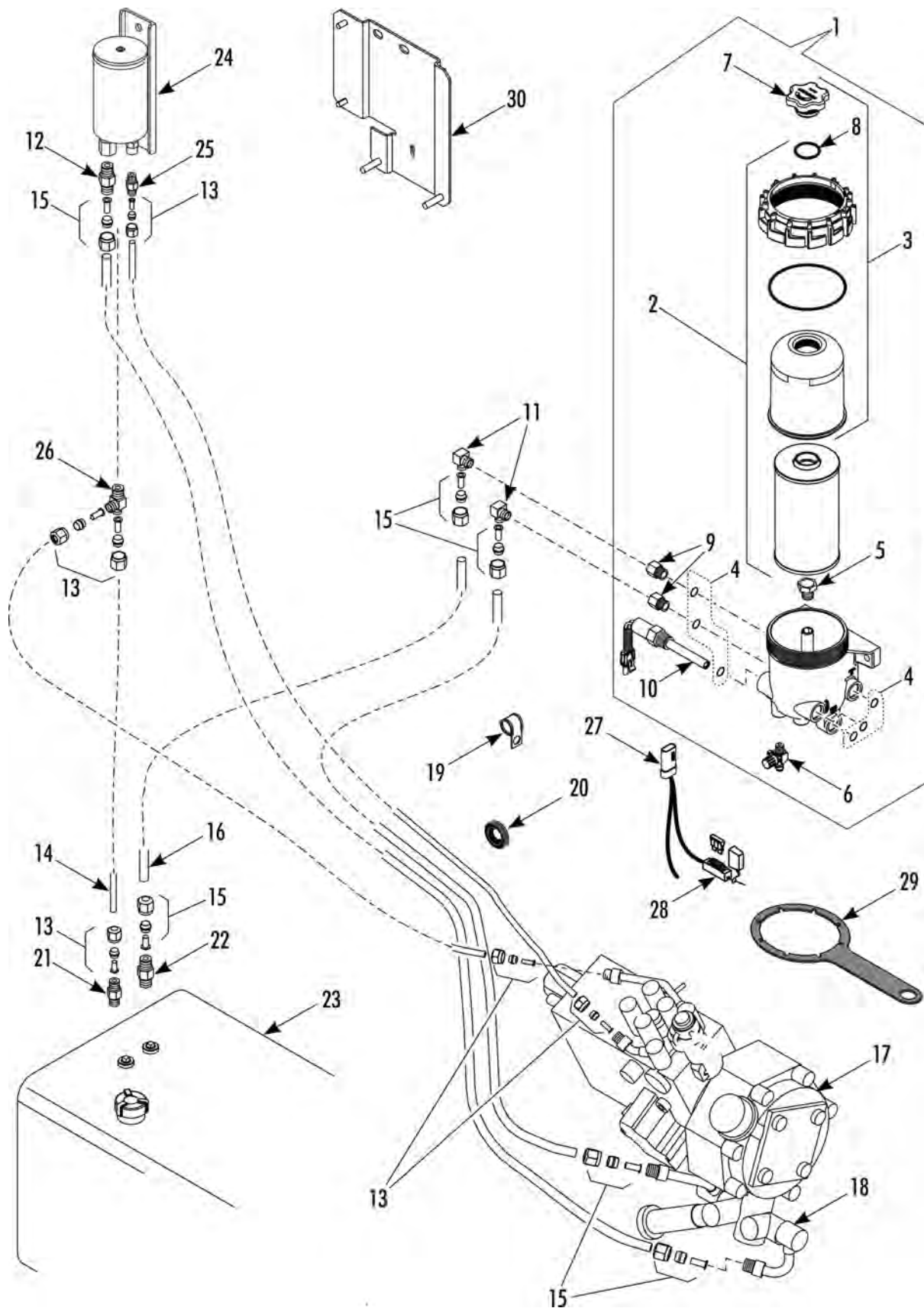
FUEL FILTER & HOSES (w/ fuel strainer)**247F6**Revised
07/13/15

REF	PART NO.	DESCRIPTION	QTY
18	92-2747	BRACKET - fuel line	1
	55-538	SCREW - bracket	1
	55-411	FLATWASHER	1
	55-366	LOCKWASHER	1
19	11-6861	FITTING - hose (1/4)	1
20	11-6862	FITTING - hose (3/8)	1
21	33-316	GROMMET - fuel lines	1
22	10-436	KIT - fuel strainer	1
23	10-458	*KIT - strainer & o-ring	1
	55-3048	SCREW - fuel strainer	2
	55-375	LOCKWASHER	2
	55-402	FLATWASHER	2
24	13-446	JOINT - banjo (fuel in, fuel pump)	1
25	13-448	JOINT - banjo (fuel out, fuel pump)	1
26	13-128	JOINT - banjo (fuel in, fuel pump)	1
27	13-127	JOINT - banjo (fuel out, fuel pump)	1





REF	PART NO.	DESCRIPTION	QTY
1	NSS	FILTER - assembly (see 247F6)	1
2	41-8319	HEATER - fuel (electric)	1
	203-385	SEALER - thread	A/R
3	91-2473	CLAMP	2
	55-349	SCREW - clamp	2
	55-366	LOCKWASHER	2
	55-411	FLATWASHER	2
4	55-4515	FITTING - hose	1
5	11-4372	HOSE (3/8 od x 35ft)	A/R
6	11-4380	ELBOW - 3/8 hose	1
7	10-242	KIT - sleeve & eyelet (3/8)	3
8	11-5320	ELBOW - hose	1
9	11-4941	NUT - 3/8 hose	3
10	55-9704	CLIP - self locking	1
11	51-1768	MOUNT - bandwrap	1
12	55-2330	BANDWRAP	6
13	41-9221	HARNESS - fuel heater	1
	44-2792	*TERMINAL - ring (yellow)	3
	44-2793	*TERMINAL - ring (yellow)	1
	44-5087	*TERMINAL - fork (yellow #10, 10-12 ga)	1
	41-438	*TERMINAL - fork (blue #6, 14-16 ga)	1
14	44-5835	*CONNECTOR - shroud (2-pin)	1
15	41-1276	*HOLDER - fuse	3
	41-506	*FUSE (3A)	2
16	44-5537	*SOCKET - relay	2
	44-9315	*DIODE	2
17	44-8680	*FILTER - power	1
18	44-6145	*BREAKER - circuit (20A)	1
19	42-1148	RELAY - mini	2
20	99-3427	MOUNT - bandwrap	4
	55-3628	RIVET (5/32)	1
	55-1714	RIVET (1/8)	3
21	92-8827	BRACKET - fuel heater	1



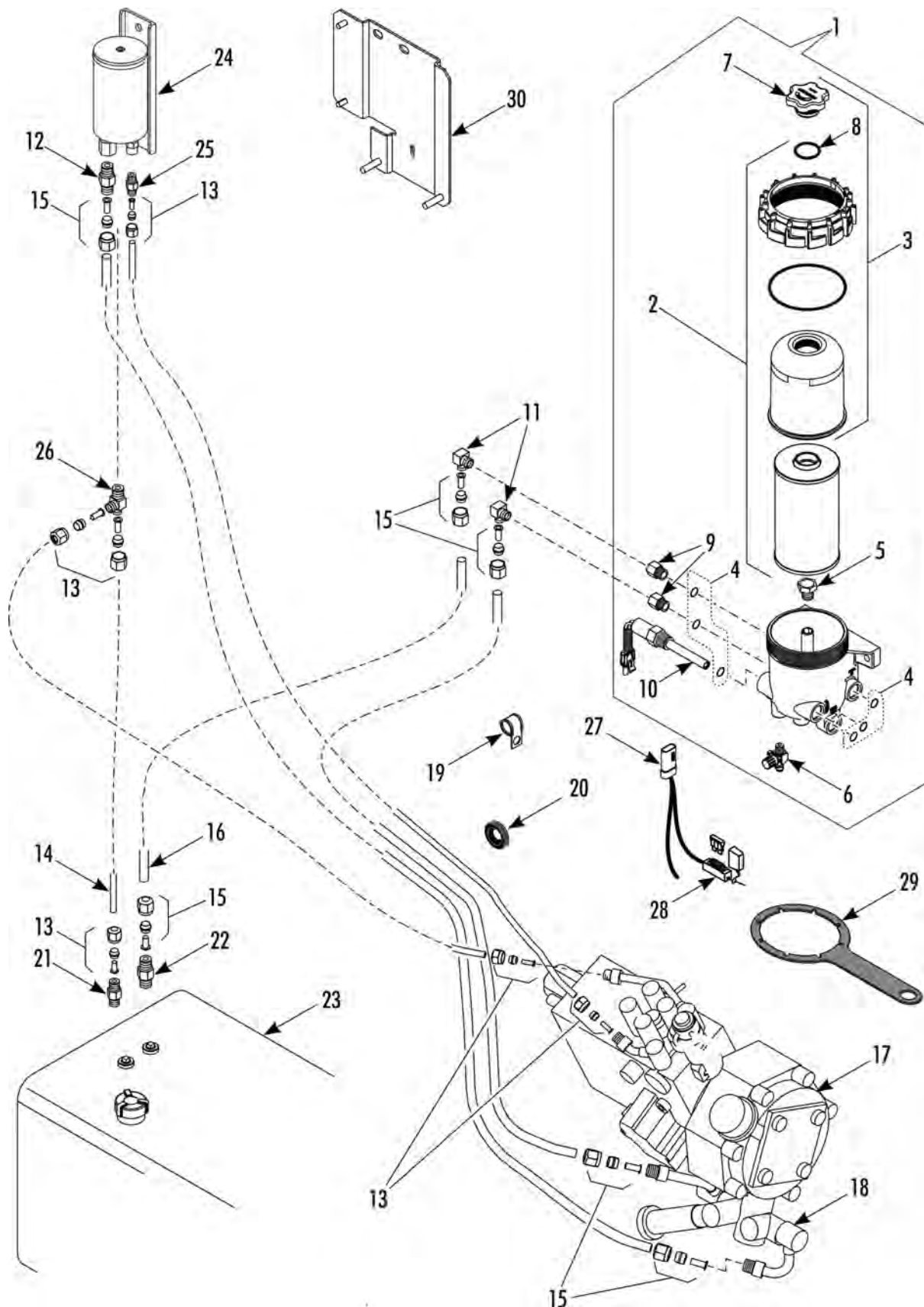
FUEL FILTER, HEATER & HOSES (RR)



246C7

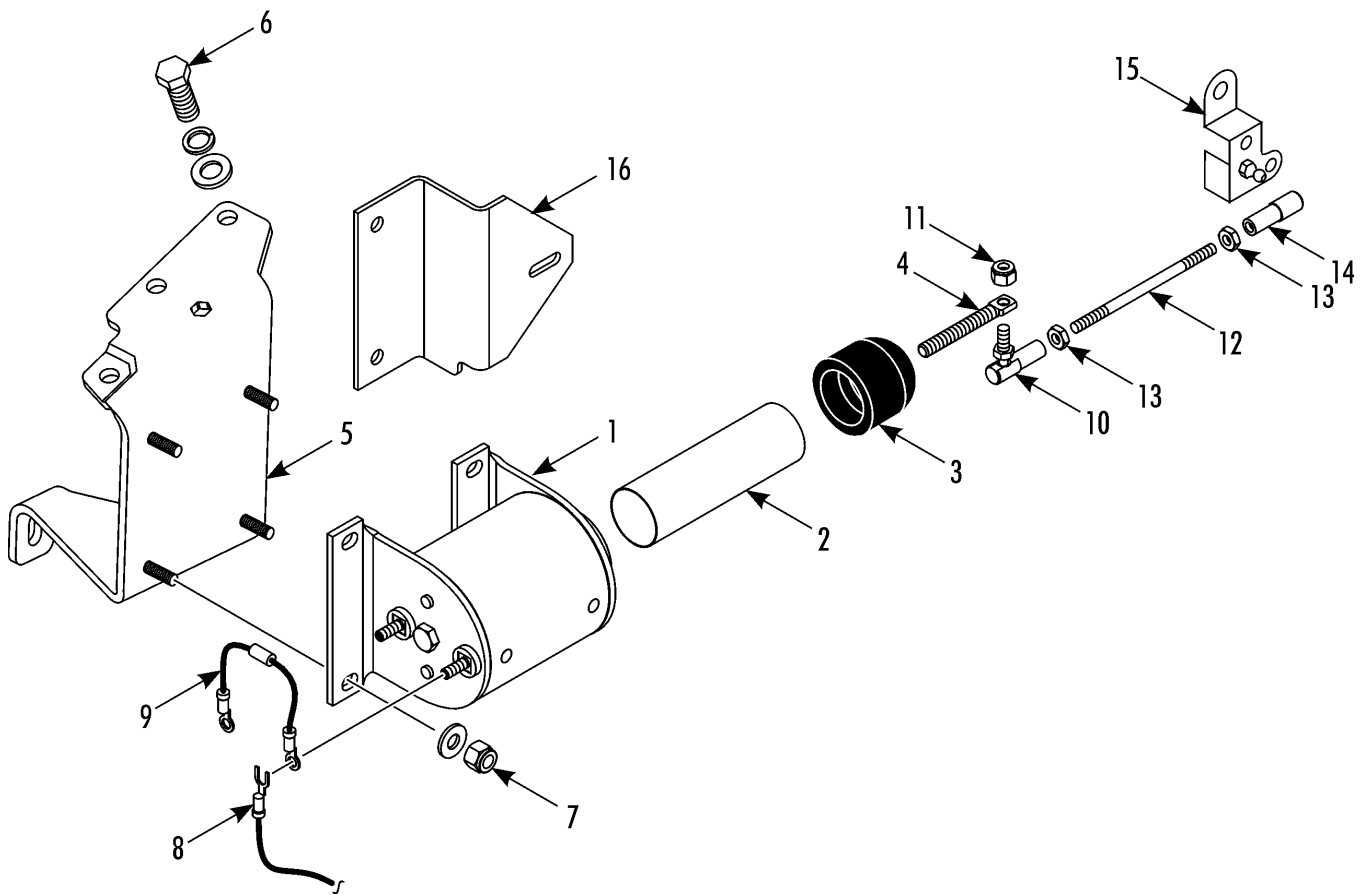
Revised
01/16/15

REF	PART NO.	DESCRIPTION	QTY
1	12-945	FUEL FILTER/HEATER	1
2	11-9953	*FILTER - fuel (inc vent, collar & o-rings)	1
3	10-489	*COVER ASSEMBLY (includes collar, vent and o-rings)	1
4	30-325	*KIT - o-rings (7 pcs, includes item 8)	1
5	13-2082	*VALVE - check	1
6	13-1100	*VALVE - drain	1
7	13-1101	*CAP - vent	1
8	33-4690	*O-RING - cap	1
9	NSS	*ADAPTER (3/8 nptf to 7/8-14 male)	2
10	41-9519	*HEATER - fuel	1
	55-5078	NUT	2
	55-402	FLATWASHER	2
11	13-1107	FITTING - hose (3/8)	2
12	11-5437	CONNECTOR - hose (3/8)	1
13	10-243	KIT - sleeve & eyelet (1/4)	6
	11-4841	NUT - hose (1/4)	6
14	11-4367	HOSE (1/4 od x 35 ft lg)	A/R
15	10-242	KIT - sleeve & eyelet (3/8)	6
	11-4941	NUT - hose (3/8)	6
16	11-4372	HOSE (3/8 od x 35 ft lg)	A/R
17	101-362	PUMP - fuel injection (see 204G2, TK486V, 2200 rpm)	1
18	11-7433	PUMP - fuel (see 142F8)	1
19	55-4203	CLAMP - hose (5/8)	1
20	33-316	GROMMET - fuel hoses	1
21	11-6837	CONNECTOR (1/4)	1
22	55-4515	CONNECTOR (3/8)	1
23	12-944	TANK - fuel 156 gal (see 247C6)	1
	12-956	TANK - fuel 156 gal (see 247C6)	1
	12-1001	TANK - fuel 120 gal (see 247C6)	1
	12-955	TANK - fuel 120 gal (see 247C6)	1
24	13-1084	SEPERATOR - air/fuel	1
25	11-4370	CONNECTOR - hose (1/4)	1
26	11-5665	TEE - hose (1/4)	1



FUEL FILTER, HEATER & HOSES (RR)**246C7**Revised
01/16/15

REF	PART NO.	DESCRIPTION	QTY
27	41-9570	HARNESS - fuel heater	1
28	41-1276	*HOLDER - fuse	1
	41-506	*FUSE - 3A	1
29	204-1941	TOOL - fuel filter wrench (metal)	1
	204-1938	TOOL - fuel filter wrench (plastic)	1
30	92-8545	BRACKET - fuel filter	1
	55-129	SCREW - bracket	2
	55-402	FLATWASHER	4
	55-5078	NUT	2



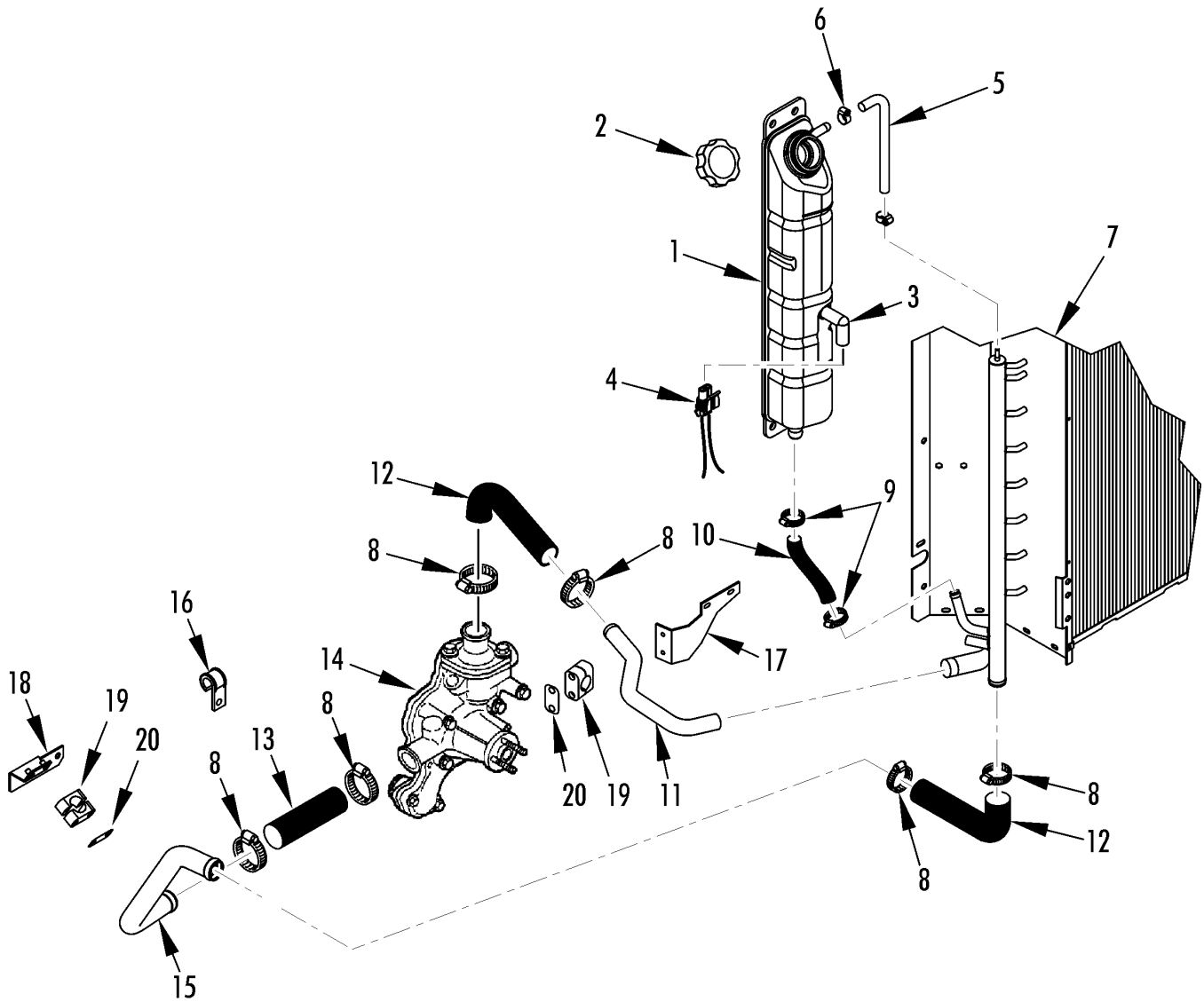
THROTTLE SOLENOID GROUP (TK486 series)



201E6

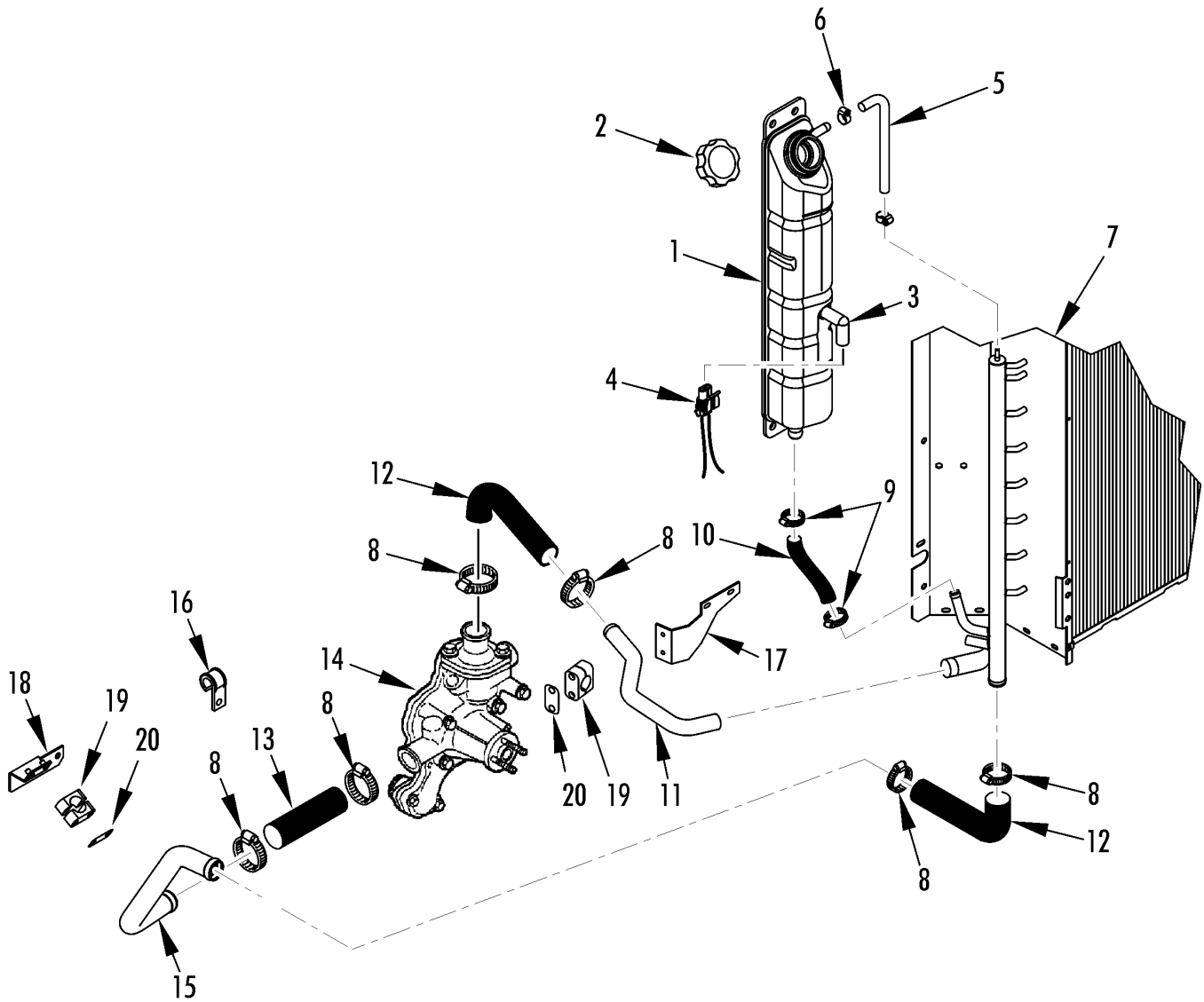
Revised
01/09/13

REF	PART NO.	DESCRIPTION	QTY
1	41-1566	SOLENOID - throttle	1
	44-9181	*SOLENOID (less plunger & eye bolt)	1
2	44-8198	*PLUNGER	1
	204-475	*GREASE - plunger	A/R
3	91-3095	*BOOT - plunger	1
4	55-2762	*BOLT - eye	1
	55-1533	*NUT	1
	55-1800	*LOCKWASHER	1
5	92-7051	BRACKET - solenoid	1
6	55-5022	SCREW - bracket	4
	55-790	LOCKWASHER	4
	55-4613	FLATWASHER	4
7	55-4118	NUT - solenoid	4
	55-411	FLATWASHER	4
8	44-5087	TERMINAL - solenoid (part of main harness)	1
9	44-2756	DIODE	1
	203-436	SEALER - diode	A/R
	55-346	NUT - harness & diode	4
	55-2996	LOCKWASHER (internal tooth)	4
	55-401	FLATWASHER	4
10	11-8014	JOINT - solenoid to rod (socket & ball)	1
11	55-5292	NUT	1
12	92-3865	ROD - speed control	1
13	55-2752	NUT	2
14	13-383	JOINT - rod to lever (socket only)	1
15	12-925	LEVER - injection control	1
16	93-709	BRACKET - speed control (interim tier 4 engine)	1





REF	PART NO.	DESCRIPTION	QTY
1	12-1036	TANK - expansion (inc cap & sensor switch)	1
2	11-9632	*CAP - tank (7psi)	1
3	42-1397	*SWITCH - sensor	1
	55-101	SCREW - tank	4
	55-2699	LOCKWASHER (int/ext th)	4
	55-366	LOCKWASHER	4
	55-411	FLATWASHER	4
4	41-6573	CONNECTOR - female (part of main harness)	1
	41-6574	LOCK - secondary	1
	41-6575	TERMINAL	2
	41-6576	SEAL	2
5	99-1655	HOSE - overflow	1
6	55-2796	CLAMP - hose	2
7	67-2218	COIL - condenser/radiator (SB-130/230)	1
	67-2219	COIL - condenser/radiator (SB-330)	1
8	55-2818	CLAMP - hose (EPDM)	6
	55-3401	CLAMP - hose (silicone)	6
9	55-5074	CLAMP - hose	2
10	12-383	HOSE - radiator (silicone, cut to 5.25 in)	1
11	11-9561	TUBE - engine to radiator	1
12	11-9506	HOSE - tube to engine	2
13	11-8480	HOSE - tube to engine (EPDM, cut to 4.0 in)	2
	12-537	HOSE - tube to engine (silicone, cut to 4.0 in)	2
14	13-509	PUMP - water (ELC compatible, see 204F0)	1
	813-509	PUMP - water (ELC compatible, reman)	1
15	92-6729	TUBE - engine to radiator	1
16	55-3026	CLAMP (5/8 dia)	1
17	92-4378	BRACKET - radiator support	1
18	92-6732	BRACKET - hose	1
	55-7004	SCREW - bracket	2
	55-1173	LOCKWASHER	2
	55-7072	FLATWASHER	2
19	91-2473	CLAMP (1-1/8 dia)	4



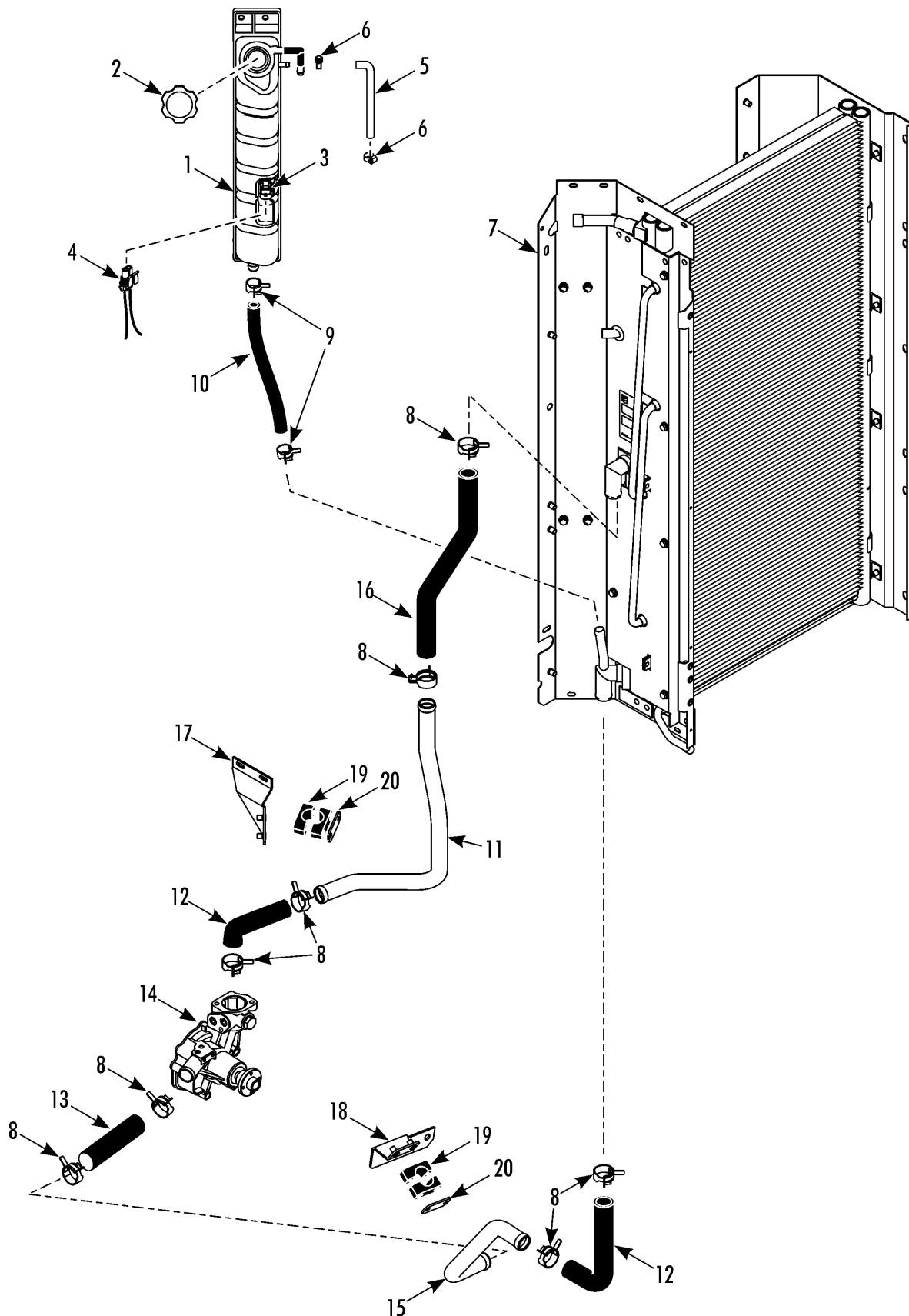
Revised
06/01/15

ENGINE COOLING SYSTEM



250A8

REF	PART NO.	DESCRIPTION	QTY
20	91-6158	PLATE - clamp	1
	55-5677	SCREW - clamp	4
	55-2086	FLATWASHER	8
	55-4953	NUT	4



Revised
06/01/15

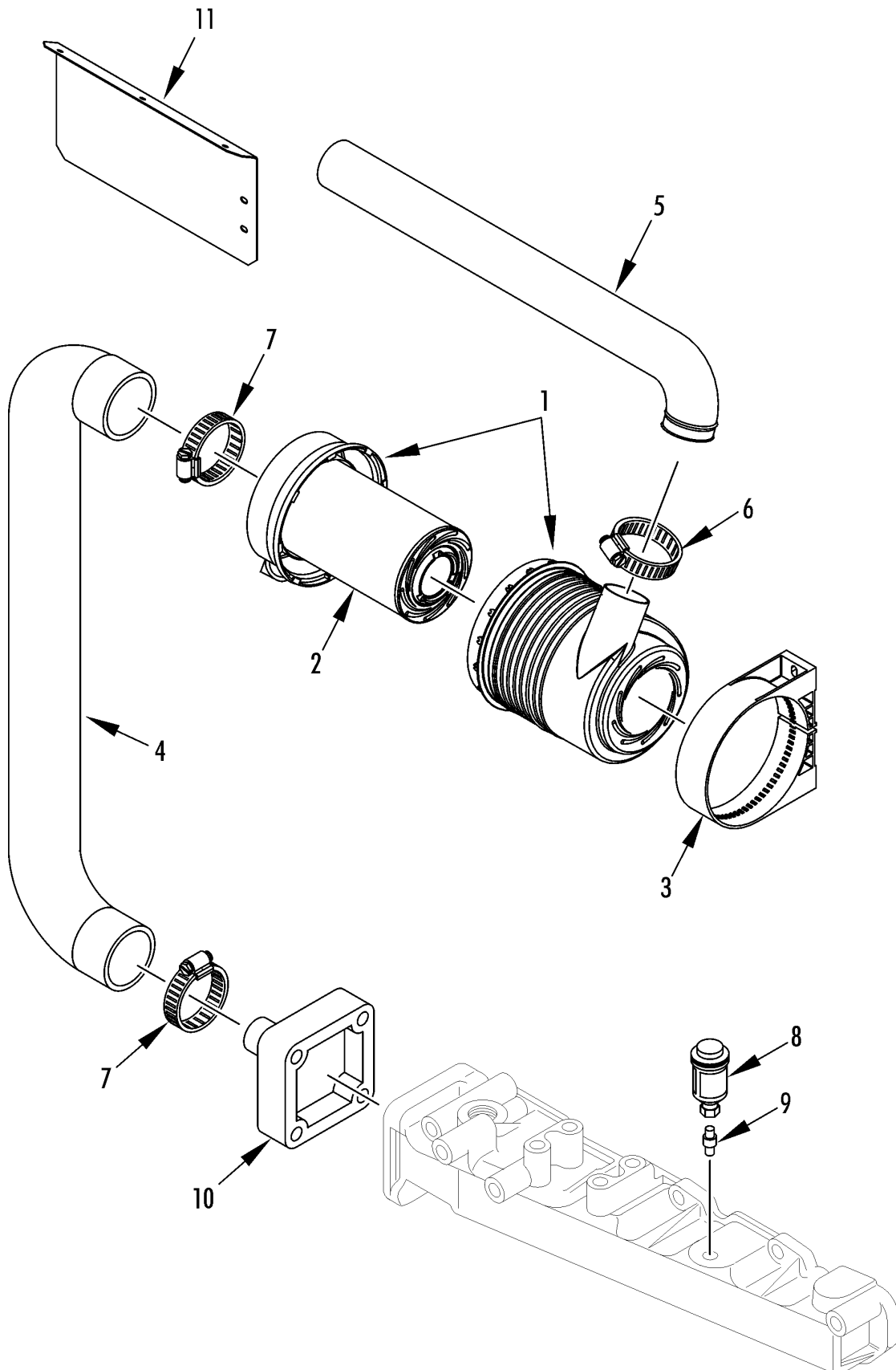
ENGINE COOLING SYSTEM (12/11 - 10/13, w/ Micro Channel Coil)



256H3

REF	PART NO.	DESCRIPTION	QTY
1	12-1036	TANK - expansion (inc cap & sensor switch)	1
2	11-9632	*CAP - tank (7 psi)	1
3	42-1397	*SWITCH - sensor	1
	55-101	SCREW - tank	4
	55-2699	LOCKWASHER (int/ext th)	4
	55-366	LOCKWASHER	4
	55-411	FLATWASHER	4
4	41-6573	CONNECTOR - female (part of main harness)	1
5	99-1655	HOSE - overflow	1
6	55-2796	CLAMP - hose	2
7	67-2694	COIL - condenser/radiator (SB-130/230/SPECTRUM, micro channel)	1
	67-2766	COIL - condenser/radiator (SB-330, micro channel)	1
8	55-3401	CLAMP - hose (worm drive)	4
	51-1739	CLAMP - hose (constant tension, 36 mm)	4
9	13-1148	CLAMP - hose (constant tension, 25 mm)	2
10	12-383	HOSE - radiator (silicone, cut to 11.5 in)	1
11	13-1169	TUBE - engine to radiator	1
12	11-9506	HOSE - tube to engine	2
13	12-537	HOSE - tube to engine (cut to 4.0 in)	1
14	13-509	PUMP - water (ELC compatible)	1
	813-509	PUMP - water (ELC compatible, reman)	1
15	13-1168	TUBE - engine to radiator	1
16	13-1167	HOSE - engine to radiator	1
17	92-9459	BRACKET - radiator support	1
18	92-6732	BRACKET - hose	1
	55-7004	SCREW - bracket	2
	55-1173	LOCKWASHER	2
	55-7072	FLATWASHER	2
19	91-2473	CLAMP (1-1/8 dia)	4
20	91-6158	PLATE - clamp	1
	55-5677	SCREW - clamp	4
	55-2086	FLATWASHER	8
	55-4953	NUT	4

NOTE: See grid 272E4 for the current hose connections.
See grid 272E4 for the current hose connections.



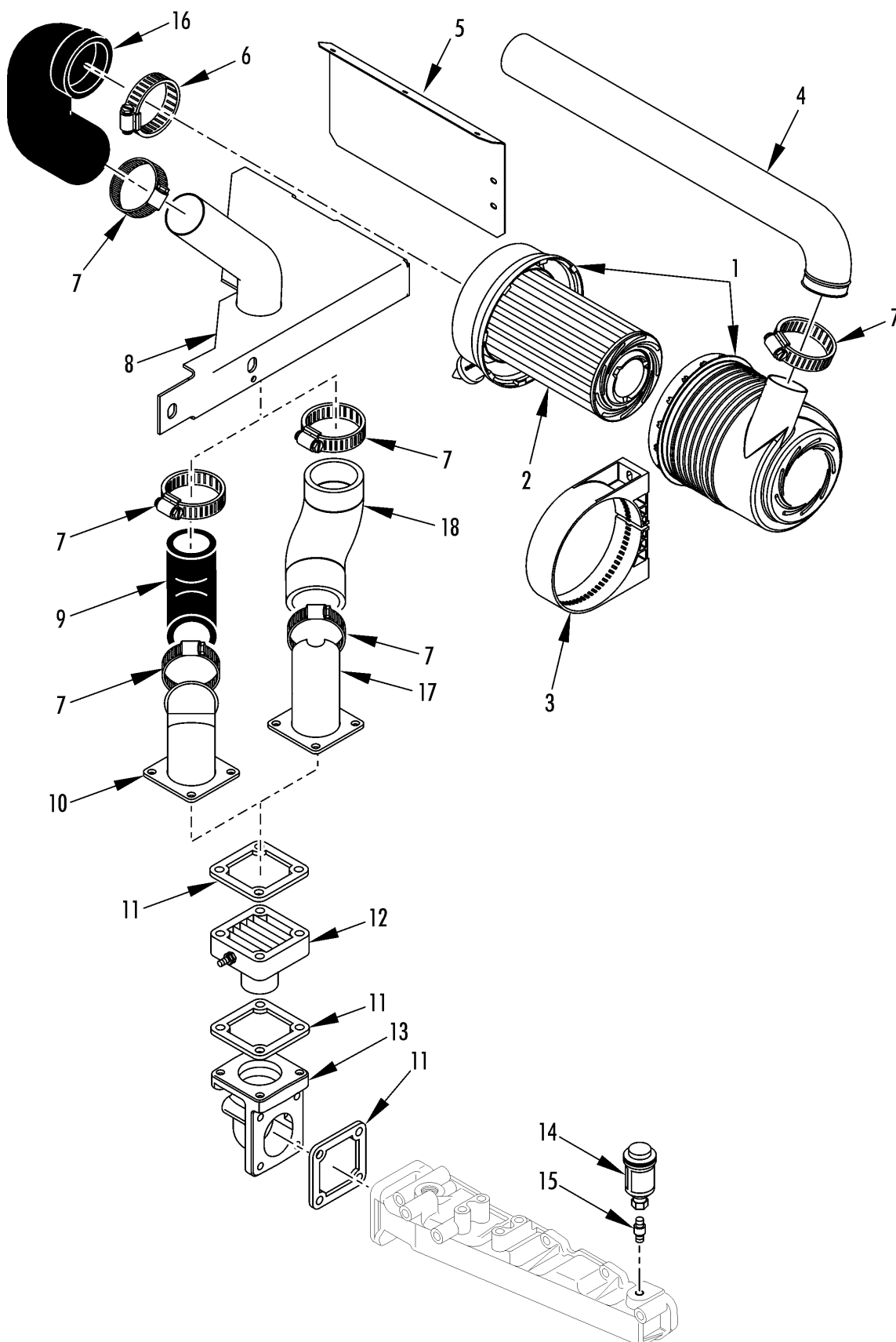
Revised
11/15/13

AIR CLEANER GROUP (30s)



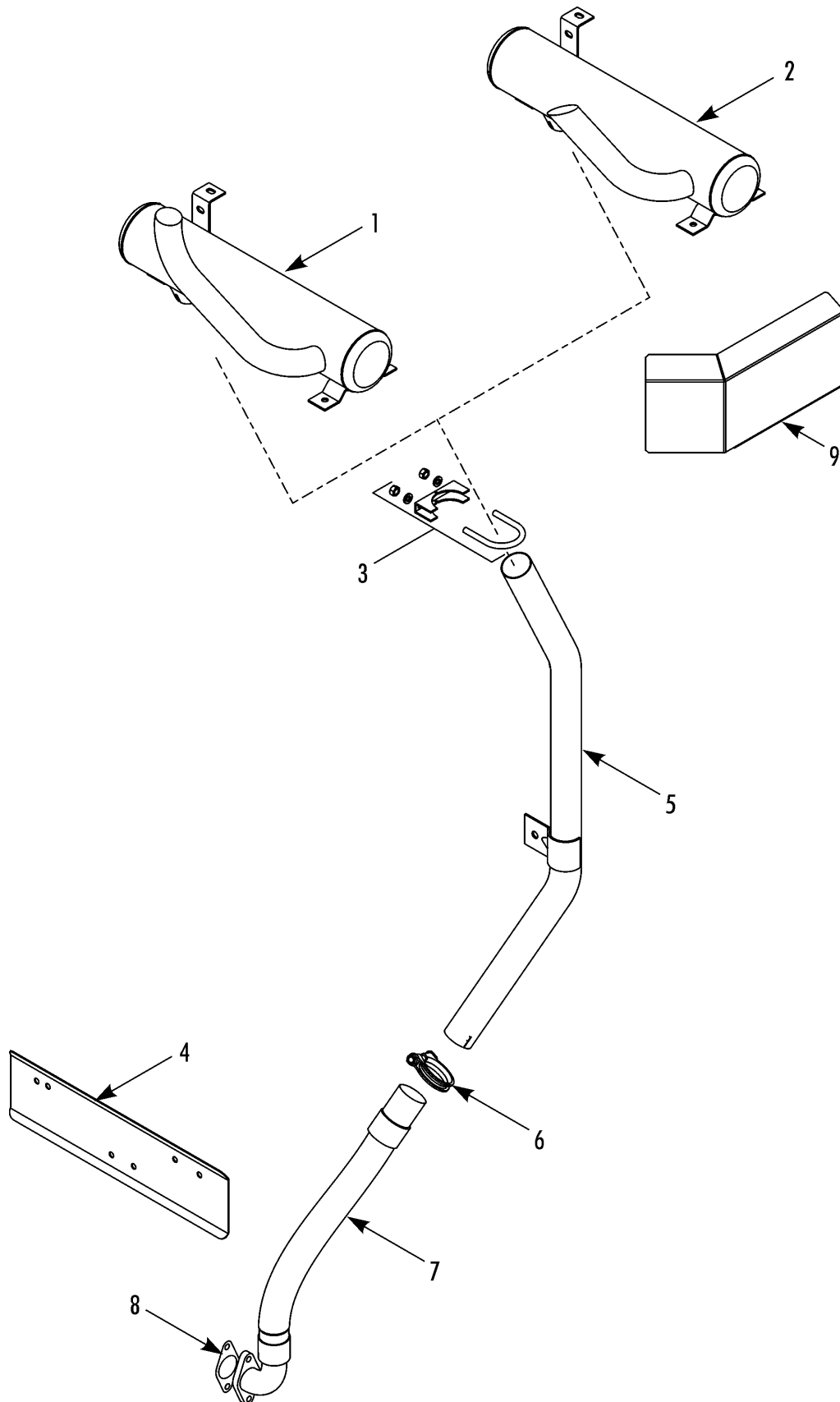
250B5

REF	PART NO.	DESCRIPTION	QTY
1	11-9299	FILTER - air cleaner	1
2	11-9300	*ELEMENT - air filter	2
3	92-861	CLAMP - air filter	1
	55-371	FLATWASHER	2
	55-4967	NUT	2
4	11-9597	HOSE - air cleaner to manifold	1
5	13-313	HOSE - inlet	1
6	55-4979	CLAMP - hose (1.26 to 2.50)	1
7	55-1636	CLAMP - hose (1.125-3.00)	2
8	11-7757	INDICATOR - air restrictor	1
9	11-7828	FITTING - indicator	1
10	11-9266	ADAPTER - air intake	1
11	90-413	KIT - air intake shield	1
	51-321	RIVET - shield	3



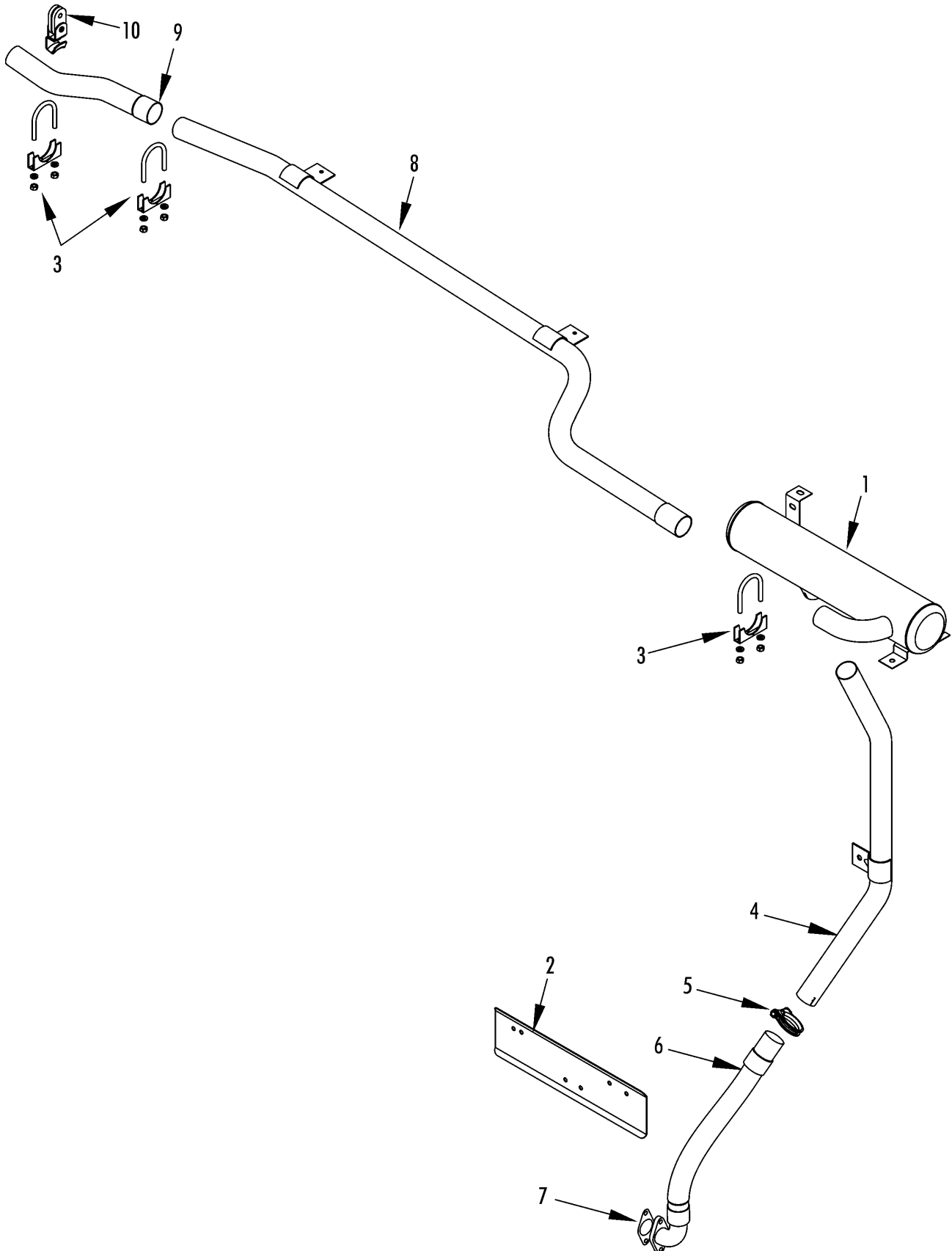


REF	PART NO.	DESCRIPTION	QTY
1	11-9299	FILTER - air cleaner (EMI 3000)	1
2	11-9300	*ELEMENT - air cleaner (EMI 3000)	1
3	92-861	CLAMP - air filter	1
	55-4967	NUT - clamp	2
	55-371	FLATWASHER	2
4	13-313	HOSE - inlet	1
5	90-413	KIT - air intake shield	1
	51-321	*RIVET - shield	3
6	55-1636	CLAMP - hose (1.125 to 3.00)	1
7	55-4979	CLAMP - hose (1.560 to 2.50)	4
8	98-4331	BRACKET - motor support (see 204D1)	1
	98-8389	BRACKET - motor support (w/24 hp motor, see 240D4)	1
9	11-9275	HOSE - air cleaner	1
10	11-9276	TUBE - air intake	1
	55-5424	SCREW - intake tube (M8 x 25)	2
	55-5932	SCREW - intake tube (M8 x 60)	2
11	33-2765	GASKET - intake elbow	3
12	41-2147	HEATER - air (see 204F7)	1
13	11-9277	ELBOW - air intake	1
	55-6191	SCREW - elbow	4
	55-4613	FLATWASHER	4
	55-790	LOCKWASHER	4
14	11-7757	INDICATOR - air restrictor	1
15	11-7828	FITTING - indicator	1
16	11-8037	HOSE - air cleaner	1
17	13-1050	TUBE - air intake (w/24 hp motor)	1
	55-5424	SCREW - intake tube (M8 x 25)	2
	55-5932	SCREW - intake tube (M8 x 60)	2
18	13-1051	HOSE - air cleaner (w/24 hp motor)	1



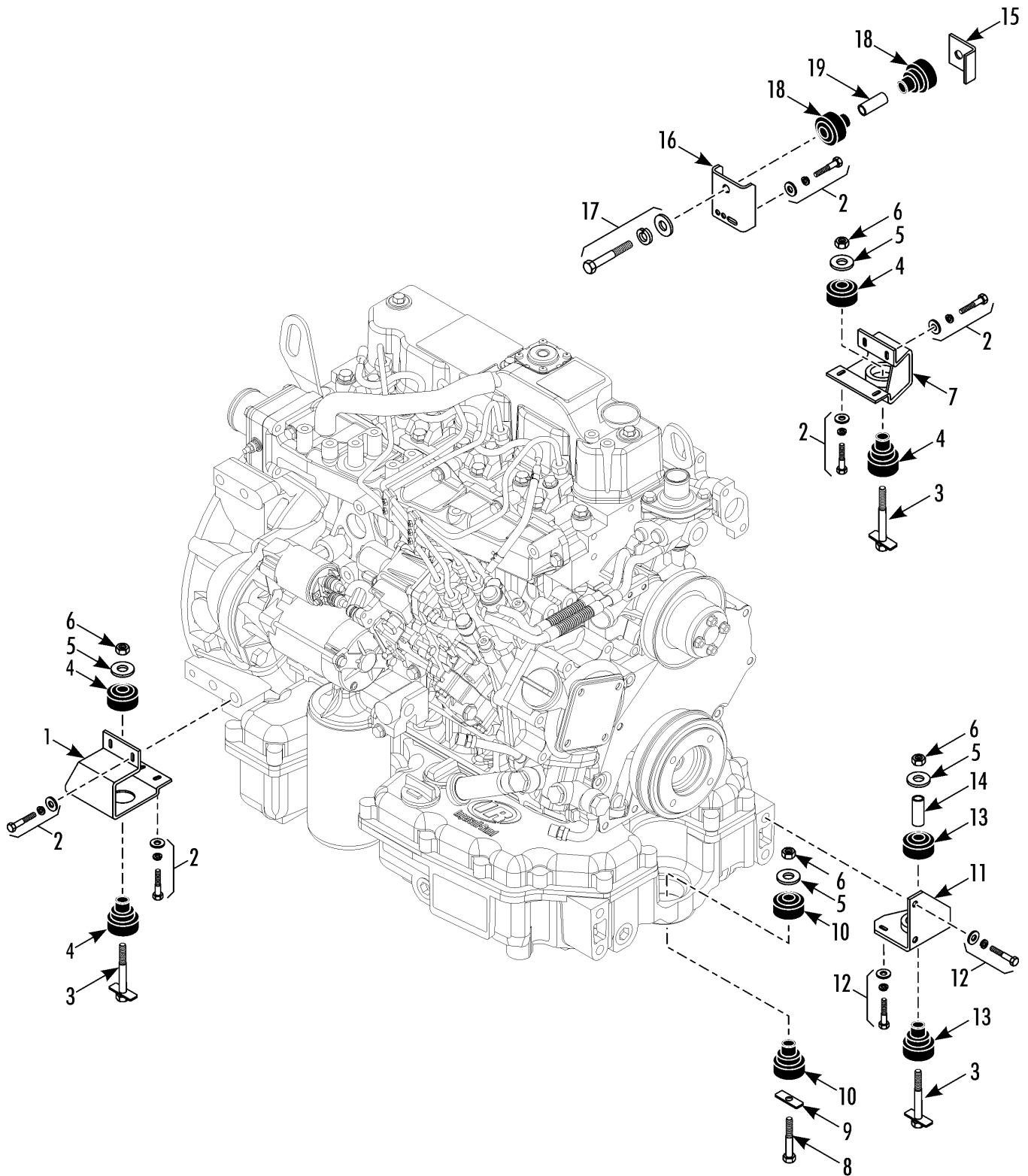


REF	PART NO.	DESCRIPTION	QTY
1	13-988	MUFFLER	1
2	13-1059	MUFFLER (optional, rail units)	1
	55-529	SCREW - muffler (3/8-16)	2
	55-402	FLATWASHER	4
	55-5078	NUT	2
	55-2969	SCREW - muffler (5/16)	1
	55-2959	LOCKWASHER	1
	55-2958	FLATWASHER	1
3	55-4899	CLAMP - muffler	4
4	91-7187	SHIELD - manifold	1
	55-4998	SCREW - shield	3
	55-790	LOCKWASHER	3
	55-4613	FLATWASHER	3
5	11-9737	TUBE - exhaust	1
	55-329	SCREW - tube	1
	55-375	LOCKWASHER	1
	55-402	FLATWASHER	1
6	91-3896	CLAMP - muffler	1
7	13-956	HOSE - exhaust	1
	55-5406	SCREW - flange	2
	55-790	LOCKWASHER	2
	55-4621	NUT	2
8	33-2314	GASKET - flange	1
9	92-8823	SHIELD - heat (top cover)	1



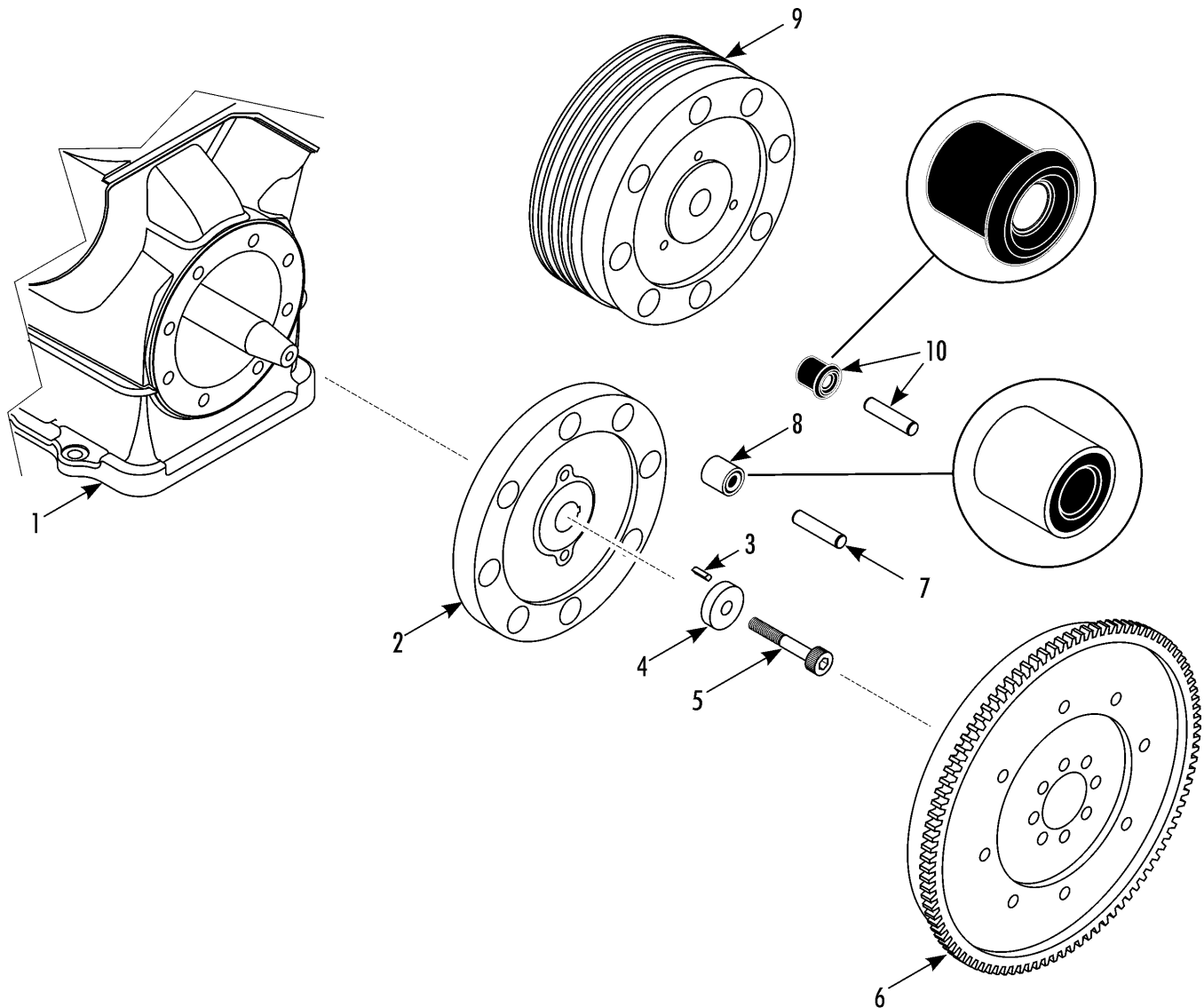


REF	PART NO.	DESCRIPTION	QTY
1	12-659	MUFFLER	1
	55-529	SCREW - muffler (3/8-16)	2
	55-402	FLATWASHER	4
	55-5078	NUT	2
	55-2969	SCREW - muffler (5/16)	1
	55-2959	LOCKWASHER	1
	55-2958	FLATWASHER	1
2	91-7187	SHIELD - manifold	1
	55-4998	SCREW - shield	3
	55-790	LOCKWASHER	3
	55-4613	FLATWASHER	3
3	55-4899	CLAMP - muffler	4
4	11-9737	TUBE - exhaust	1
	55-329	SCREW - tube	1
	55-375	LOCKWASHER	1
	55-402	FLATWASHER	1
5	91-3896	CLAMP - muffler	1
6	13-956	HOSE - exhaust	1
	55-5406	SCREW - flange	2
	55-790	LOCKWASHER	2
	55-4621	NUT	2
7	33-2314	GASKET - flange	1
8	13-1104	TUBE - exhaust (muffler to joint)	1
	55-101	SCREW - tube	2
	55-411	FLATWASHER	2
	55-366	LOCKWASHER	2
9	13-1102	TUBE - exhaust (outlet)	1
10	13-1103	HANGER - exhaust tube	1





REF	PART NO.	DESCRIPTION	QTY
1	91-7188	BRACKET - service side	1
2	55-5594	SCREW - bracket	10
	55-6283	LOCKWASHER	10
	55-2038	FLATWASHER	10
	203-400	SEALER - thread (blue)	A/R
3	99-798	BOLT - engine	3
4	91-7709	MOUNT - vibration (includes top & bottom)	2
5	55-5749	WASHER - special	4
6	55-4963	NUT	4
7	91-8277	BRACKET - trailer side	1
8	91-4675	BOLT - engine (center)	1
9	55-7337	WASHER - bolt	1
10	91-4159	MOUNT - vibration	2
11	92-1238	BRACKET - snubber	1
12	55-4723	SCREW - bracket	3
	55-6283	LOCKWASHER	3
	55-2038	FLATWASHER	3
13	91-4043	MOUNT - vibration	2
14	55-7338	SPACER	1
15	91-1409	ANGLE - snubber	1
16	92-1152	PLATE - snubber	1
	92-407	SPACER - snubber	1
17	55-9946	SCREW - snubber	1
	55-451	LOCKWASHER	1
	55-4767	FLATWASHER	1
18	99-1433	MOUNT - vibration	2
19	91-1411	SPACER	1



8 PIN COUPLING w/LARGE SHAFT COMPRESSOR (TK486 & TK482 ENGINE)



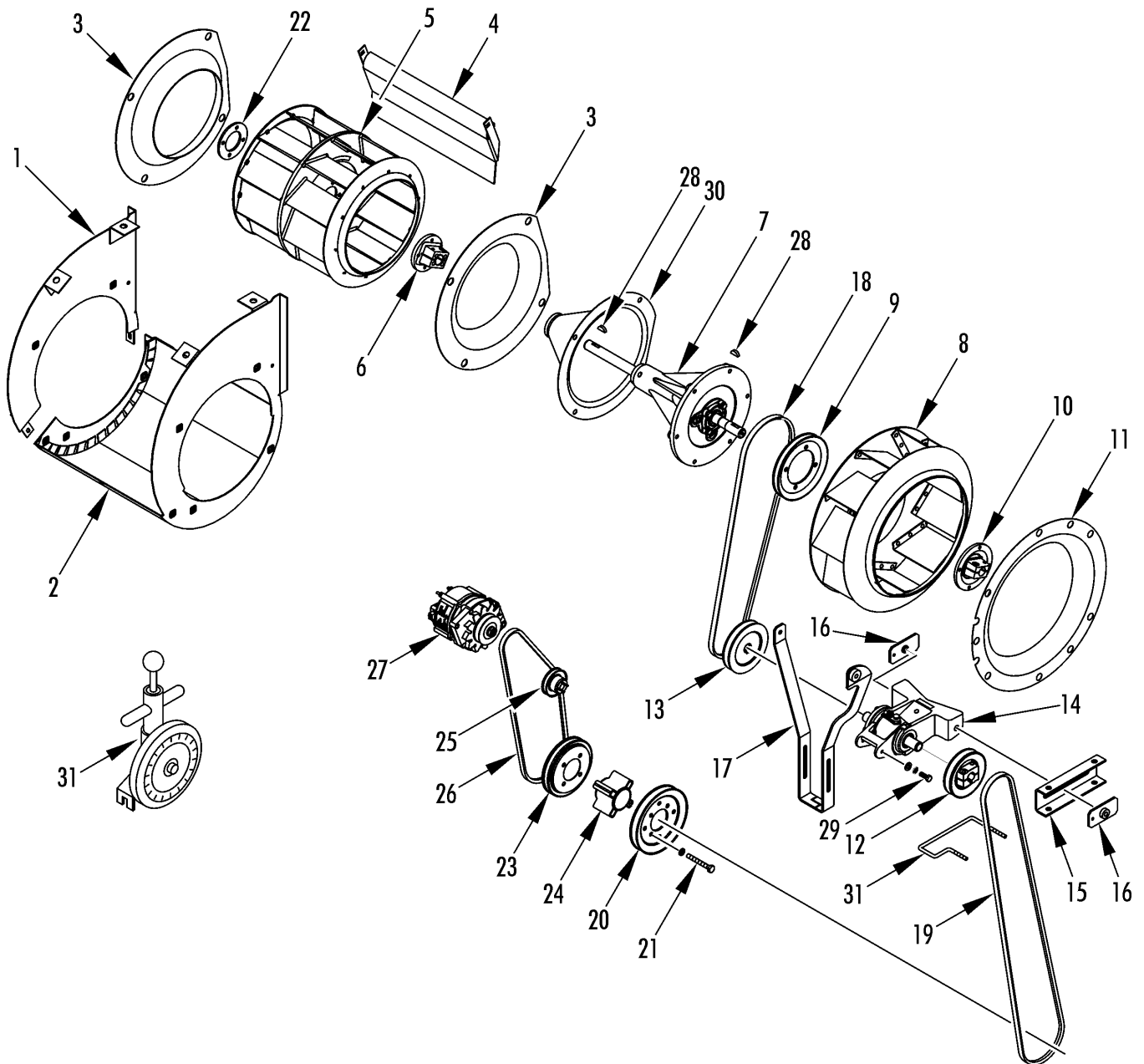
149B9

REF	PART NO.	DESCRIPTION	QTY
1	NSS	COMPRESSOR (see compressor group)	1
2	77-2506	COUPLING - compressor drive (8-pin, incl bushings)	1
3	55-9032	KEY	1
	55-9024	KEY (1-1/2 in lg)	1
4	77-2505	SPACER - coupling	1
	55-9300	SPACER - clutch	1
5	55-9031	SCREW - coupling (M12 x 1.75 x 70 mm)	1
	55-9092	SCREW - clutch (M12 x 1.75 x 80 mm)	1
6	12-750	FLYWHEEL	1
	11-8947	*GEAR - ring (before 11/08)	1
	13-1138	*GEAR - ring (11/08 & after)	1
7	51-816	PIN - dowel (2.25 x .5002)	8
	51-817	PIN - dowel (2.25 x .5010, oversize)	8
	51-814	PIN - dowel (2.00 x .5002)	8
	51-815	PIN - dowel (2.00 x .5010, oversize)	8
8	77-2856	BUSHING	8
9	107-343	CLUTCH	1
	70-194	*KIT - clutch repair	1
10	70-208	KIT - bushing (8-pin clutch, incl pins & bushings)	1
	77-2760	*BUSHING - coupling (50s)	8
	51-817	*PIN - dowel	8
	204-1114	*ADHESIVE	A/R

NOTE: 802-1148 will not fit in the Multi-Temp Units within the Sentry, SMX and older SL Product Lines.

NOTE: Engines before serial number EA00749, use gear ring 11-8947. Engines with serial number EA00749 and after, use gear ring 13-1138.

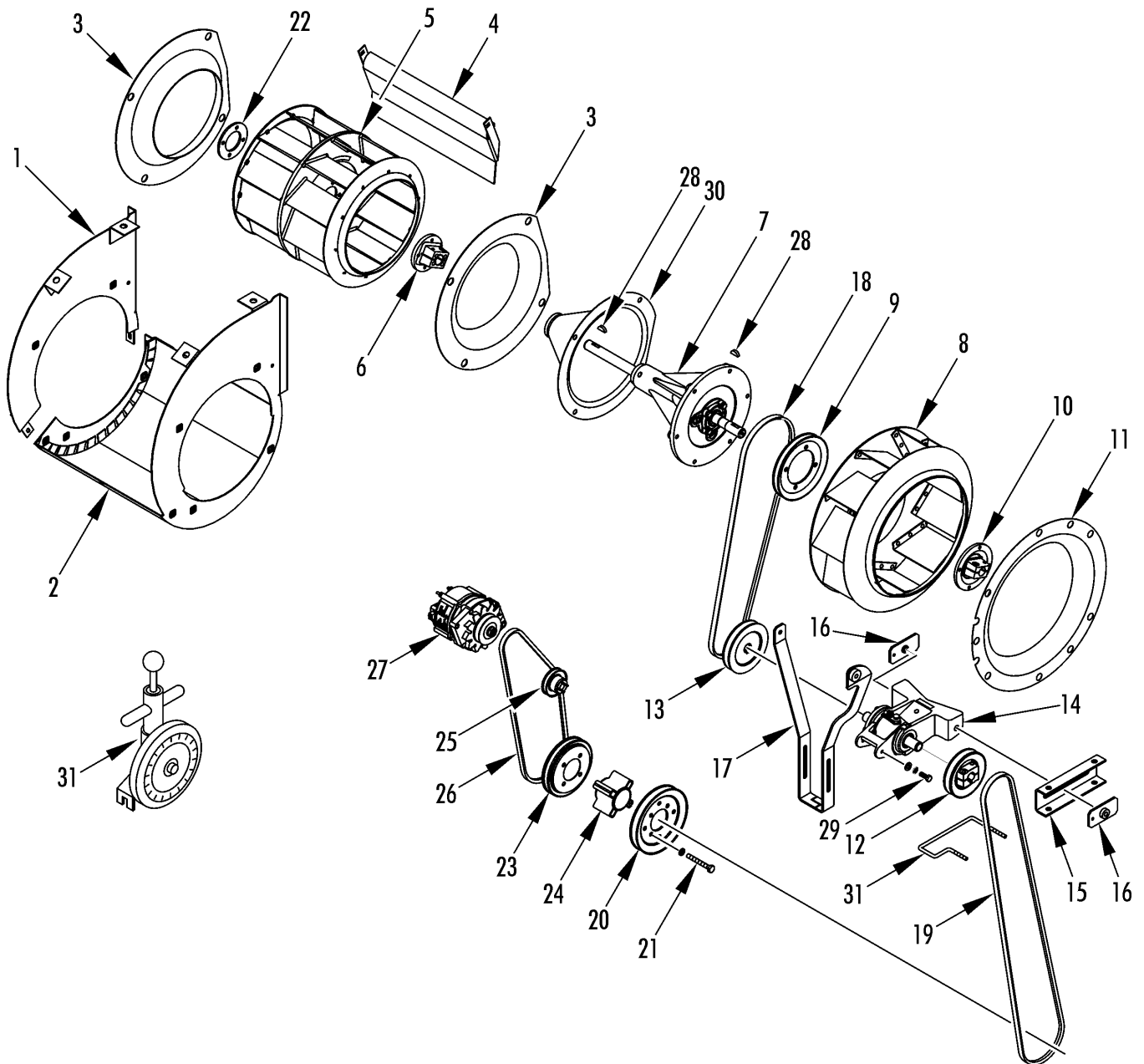
NOTE: Use Kit 70-206 for 6-pin clutch.





REF	PART NO.	DESCRIPTION	QTY
1	98-5766	PANEL - evaporator blower housing (top)	1
	55-8317	SCREW - panel	6
	55-3045	WASHER - dome	6
2	98-5817	HOUSING - evaporator blower	1
3	90-409	KIT - evaporator orifice (polypropylene)	2
	55-4742	*LOCKWASHER (special 0.266 in id)	4
	55-1587	SCREW - orifice	8
	55-3059	NUT - captive	8
4	99-7962	MEMBER - housing (evaporator blower)	1
	55-3059	NUT - captive	2
	55-1587	SCREW - member	2
	55-1800	LOCKWASHER	2
	55-2086	FLATWASHER	2
5	70-218	WHEEL - blower (see note)	1
6	77-2208	*HUB - blower	1
	55-2969	*SCREW (5/16-18 x 1)	4
	55-8974	*SCREW (5/16-18 x 1-3/4)	2
	55-2959	*LOCKWASHER	2
	55-2958	*FLATWASHER	2
7	78-706	FANSHAFT - assembly (see 84E5)	1
	55-129	SCREW - fanshaft	6
	55-375	LOCKWASHER	6
	55-402	FLATWASHER	6
8	78-595	FAN - condenser	1
9	77-1530	*PULLEY - fan	1
10	77-1592	*HUB - fan	1
	55-5758	*SCREW (5/16-18 x 1)	2
	55-172	*SCREW (5/16-18 x 1-1/4)	4
	55-790	*LOCKWASHER	4
	55-371	*FLATWASHER	6
11	98-2804	SPINNING - condenser	1
	55-538	SCREW - spinning	6
	55-405	DOMEWASHER	6

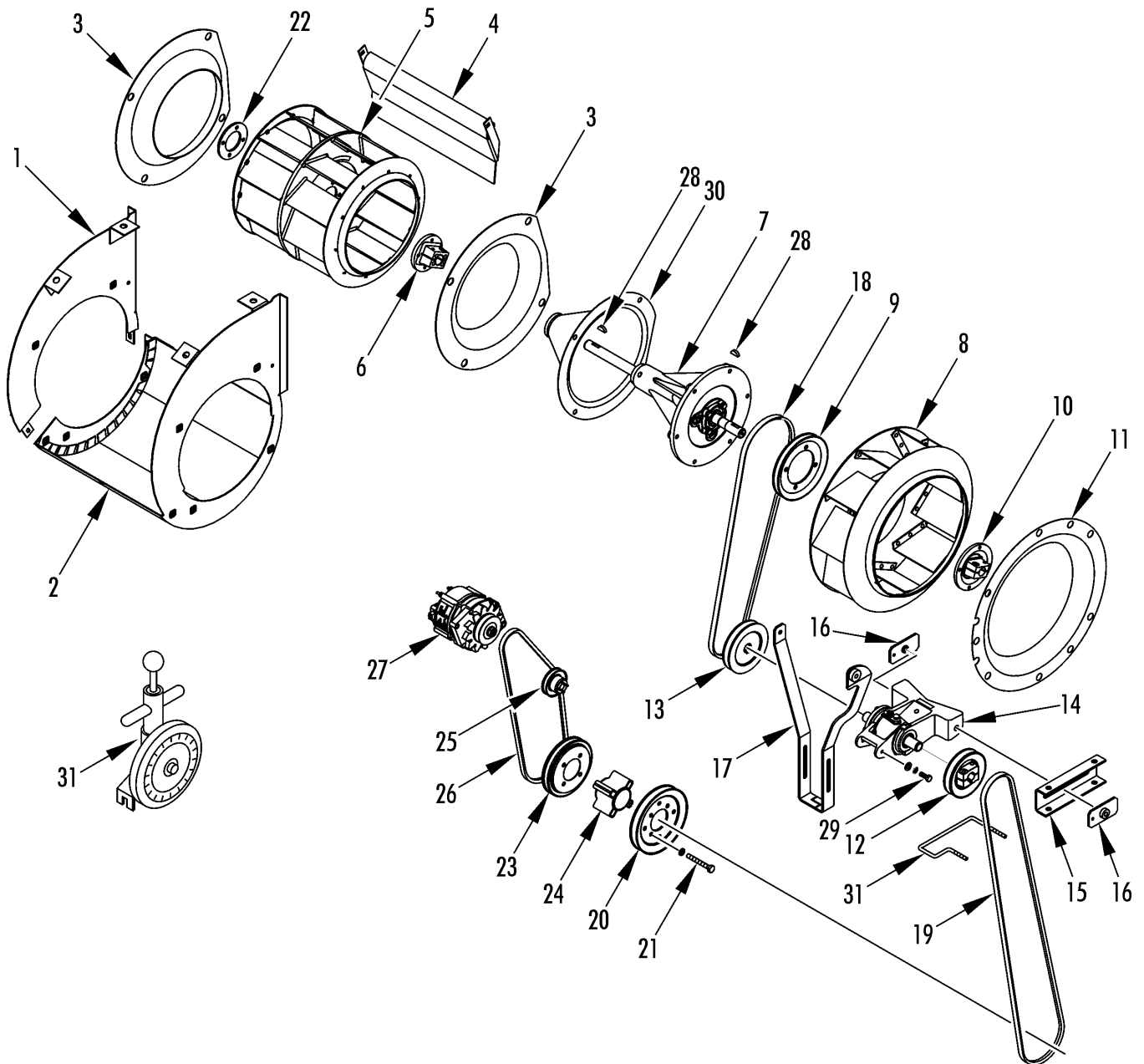
NOTE: After June 2011, S/N 6001094273, the Evaporator Blower Wheel was changed to 78-1774. Kit 70-218 will convert units built before June 2011 to the new Evaporator Blower components, see Grid 250E1 for the new style Evaporator Blower. Blower wheel 78-676 is replaced with Kit 70-218.





REF	PART NO.	DESCRIPTION	QTY
	55-4974	NUT - captive	6
12	77-1836	PULLEY - idler (5.0 od)	1
13	77-1835	PULLEY - idler (5.5 od)	1
	55-6220	SCREW - pulley	4
	55-371	FLATWASHER	4
	55-790	LOCKWASHER	4
14	78-1013	HOUSING - idler shaft (see 133A4)	1
	55-2252	SCREW - housing	2
	55-2038	FLATWASHER	2
	55-365	LOCKWASHER	2
15	99-8228	CHANNEL - idler (left)	1
16	99-7989	NUTPLATE - idler	2
17	92-404	ARM - idler adjusting	1
18	78-603	BELT - fan	1
19	78-629	BELT - engine to idler (30s)	1
20	77-2989	PULLEY - fan drive	1
21	55-8472	SCREW - pulley	4
	51-144	LOCKWASHER (conical)	4
22	99-4353	RING	1
23	70-212	KIT - pulley & seal (crankshaft)	1
	77-2873	*PULLEY - crankshaft	1
	33-4088	*SEAL - oil	1
24	13-1081	SPACER - pulley	1
25	13-509	PUMP - water (ELC compatible, see 204F0)	1
26	78-1341	BELT - alternator	1
27	45-2589	ALTERNATOR (37A, w/o fan, extended life, see 250A2)	1
	45-2592	ALTERNATOR (37A, w/o fan, standard life plus)	1
	845-2681	ALTERNATOR (37A, w/o fan, reman)	1
	845-2682	ALTERNATOR (65A, w/o fan, reman)	1
	45-2591	ALTERNATOR (120A, w/o fan, extended life, see 208F6)	1
	45-2594	ALTERNATOR (120A, w/o fan, standard life plus)	1
	845-2683	ALTERNATOR (120A, w/o fan, reman)	1
	41-6867	FAN - alternator (cw rotation)	1

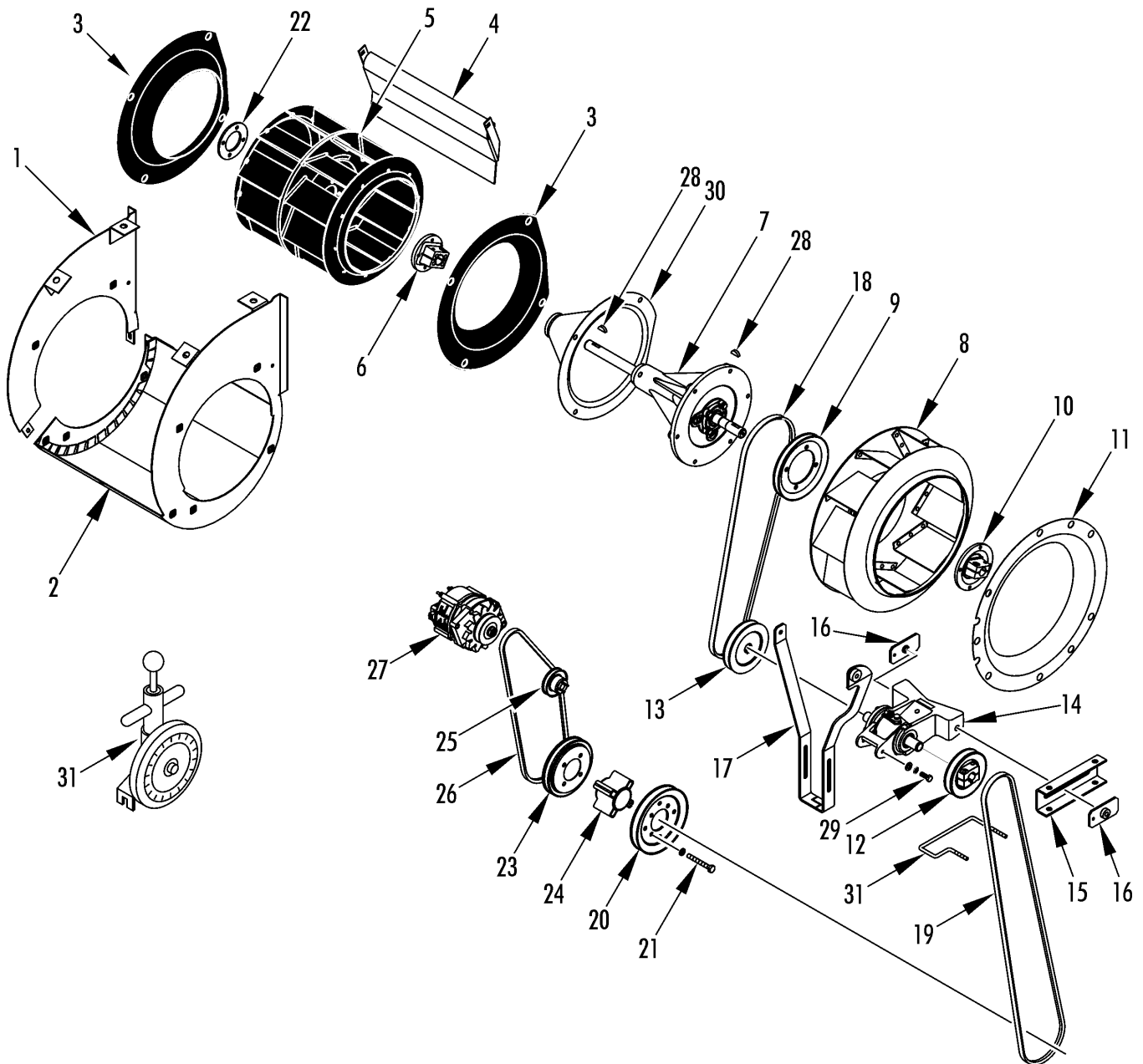
NOTE: After June 2011, S/N 6001094273, the Evaporator Blower Wheel was changed to 78-1774. Kit 70-218 will convert units built before June 2011 to the new Evaporator Blower components, see Grid 250E1 for the new style Evaporator Blower. Blower wheel 78-676 is replaced with Kit 70-218.



BELTS & BLOWERS (30s)**247E8**Revised
02/16/16

REF	PART NO.	DESCRIPTION	QTY
	77-2359	PULLEY - alternator	1
28	55-457	KEY - woodruff	2
29	55-529	SCREW - arm & channel	3
	55-375	LOCKWASHER	8
	55-402	FLATWASHER	5
	55-5078	NUT	1
30	99-8135	COVER - housing bearing	1
	55-1587	SCREW - cover	4
	55-1800	LOCKWASHER	4
31	91-1199	GUIDE - belt	1

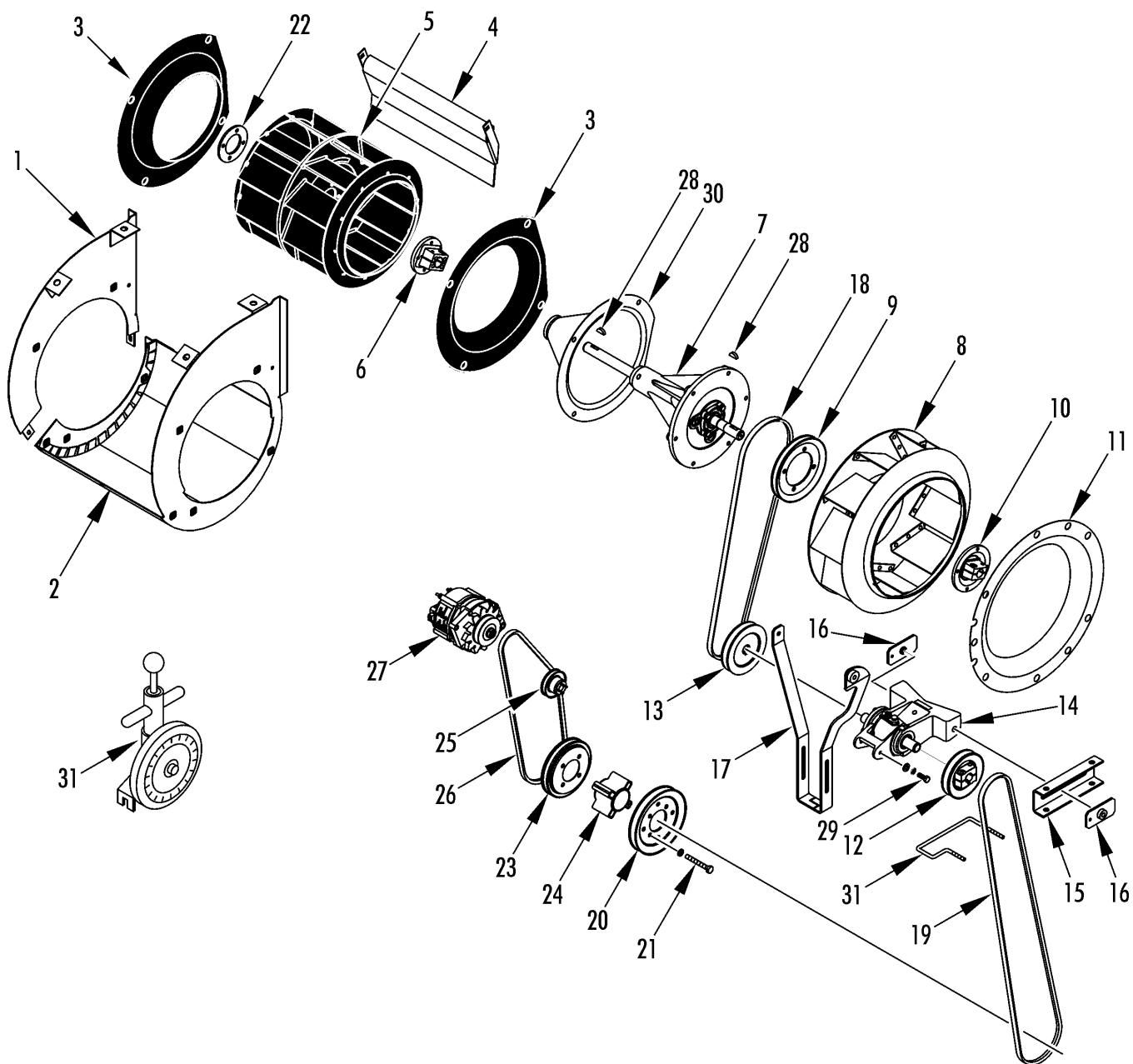
NOTE: After June 2011, S/N 6001094273, the Evaporator Blower Wheel was changed to 78-1774. Kit 70-218 will convert units built before June 2011 to the new Evaporator Blower components, see Grid 250E1 for the new style Evaporator Blower. Blower wheel 78-676 is replaced with Kit 70-218.



BELTS & BLOWERS (6/11 & after, 30s)**250E1**Revised
02/16/16

REF	PART NO.	DESCRIPTION	QTY
1	98-5766	PANEL - evaporator blower housing (top)	1
	55-8317	SCREW - panel	6
	55-3045	WASHER - dome	6
2	98-5817	HOUSING - evaporator blower	1
3	98-8662	ORIFICE - evaporator (after 6/11)	2
	55-4742	LOCKWASHER (special 0.266 in id)	4
	55-1587	SCREW - orifice	8
	55-3059	NUT - captive	8
4	92-9007	MEMBER - housing (evaporator blower, after 6/11)	1
	55-3059	NUT - captive	2
	55-1587	SCREW - member	2
	55-1800	LOCKWASHER	2
	55-2086	FLATWASHER	2
	70-218	KIT - blower wheel (see note)	1
5	78-1774	WHEEL - blower (after 6/11)	1
6	77-2671	*HUB - blower	1
	55-2969	*SCREW (5/16-18 x 1)	3
	55-3048	*SCREW (3/8-18 x 1)	1
	55-8974	*SCREW (5/16-18 x 1-3/4)	2
	55-2959	*LOCKWASHER (5/16)	5
	55-2363	*LOCKWASHER (3/8)	1
	55-2958	*FLATWASHER (5/16)	5
	55-2641	*FLATWASHER (3/8)	1
7	78-706	FANSHAFT - assembly (see 84E5)	1
	55-129	SCREW - fanshaft	6
	55-375	LOCKWASHER	6
	55-402	FLATWASHER	6
8	78-595	BLOWER - condenser	1
9	77-1530	*PULLEY - blower	1
10	77-1592	*HUB - blower	1
	55-5758	*SCREW (5/16-18 x 1)	2
	55-172	*SCREW (5/16-18 x 1-1/4)	4
	55-790	*LOCKWASHER	4

NOTE: After June 2011, S/N 6001094273, the evaporator blower wheel was changed to 78-1774. Kit 70-218 will convert units built before June 2011 to the new blower wheel. Kit 70-218 includes blower 78-1774, housing member 92-9007 and two (2) inlet orifices 98-8662.



BELTS & BLOWERS (6/11 & after, 30s)

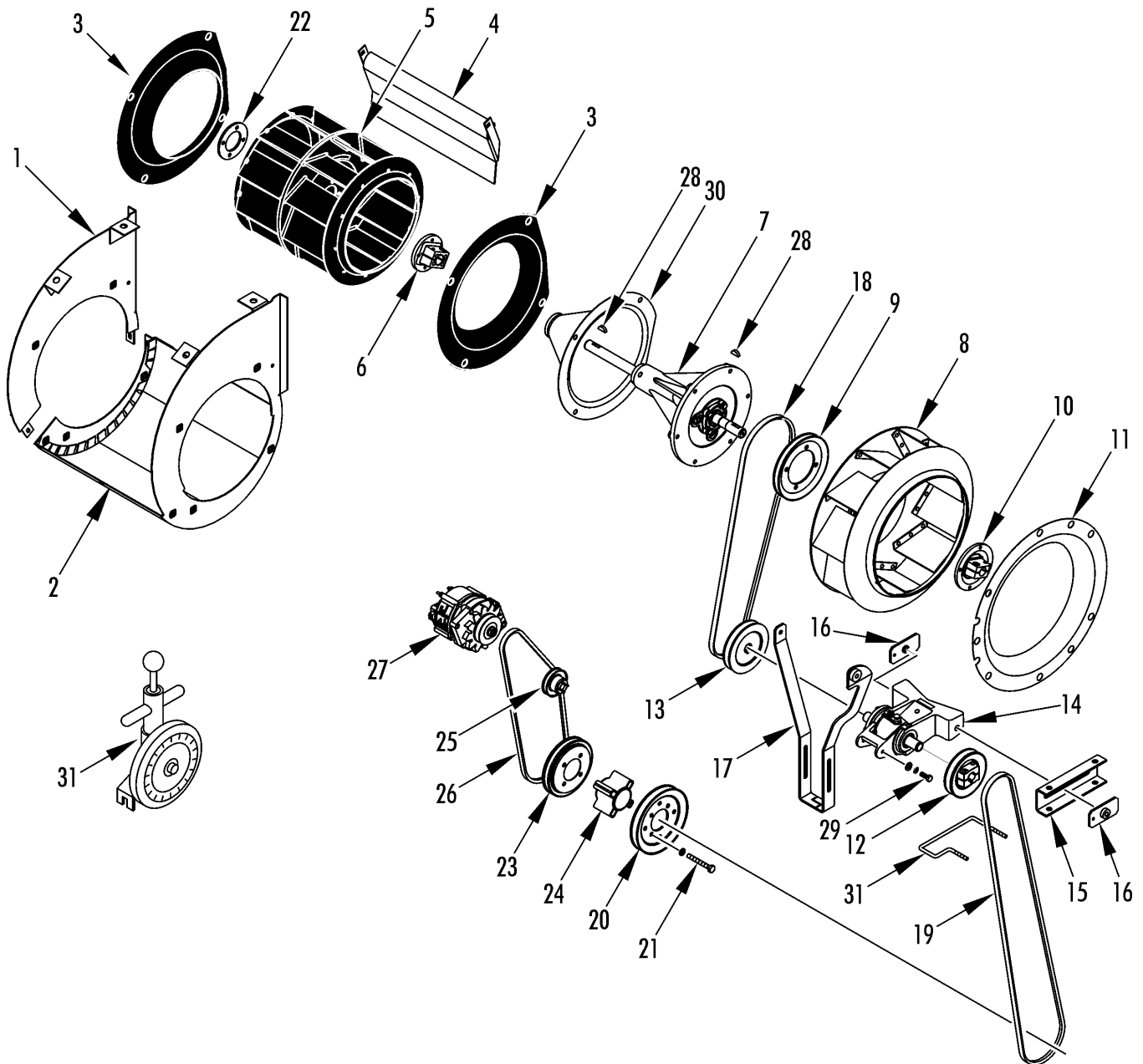


250E1

Revised
02/16/16

REF	PART NO.	DESCRIPTION	QTY
	55-371	*FLATWASHER	6
11	98-2804	SPINNING - condenser blower	1
	55-538	SCREW - spinning	6
	55-405	DOMEWASHER	6
	55-4974	NUT - captive	6
12	77-1836	PULLEY - idler (5.0 od)	1
13	77-1835	PULLEY - idler (5.5 od)	1
	55-6220	SCREW - pulley	4
	55-371	FLATWASHER	4
	55-790	LOCKWASHER	4
14	78-1013	HOUSING - idler shaft (see 133A4)	1
	55-2252	SCREW - housing	2
	55-2038	FLATWASHER	2
	55-365	LOCKWASHER	2
15	99-8228	CHANNEL - idler (left)	1
16	99-7989	NUTPLATE - idler	2
17	92-404	ARM - idler adjusting	1
18	78-603	BELT - blower	1
19	78-629	BELT - engine to idler (30s)	1
20	77-2989	PULLEY - blower drive	1
21	55-8472	SCREW - pulley	4
	51-144	LOCKWASHER (conical)	4
22	91-8592	RING	1
23	70-212	KIT - pulley & seal (crankshaft)	1
	77-2873	*PULLEY - crankshaft	1
	33-4088	*SEAL - oil	1
24	13-1081	SPACER - pulley	1
25	13-509	PUMP - water (ELC compatible, see 204F0)	1
26	78-1341	BELT - alternator	1
27	45-2589	ALTERNATOR (37A, w/o fan, extended life)	1
	45-2592	ALTERNATOR (37A, w/o fan, standard life plus)	1
	845-2681	ALTERNATOR (37A, w/o fan, reman)	1
	845-2682	ALTERNATOR (65A, w/o fan, reman)	1

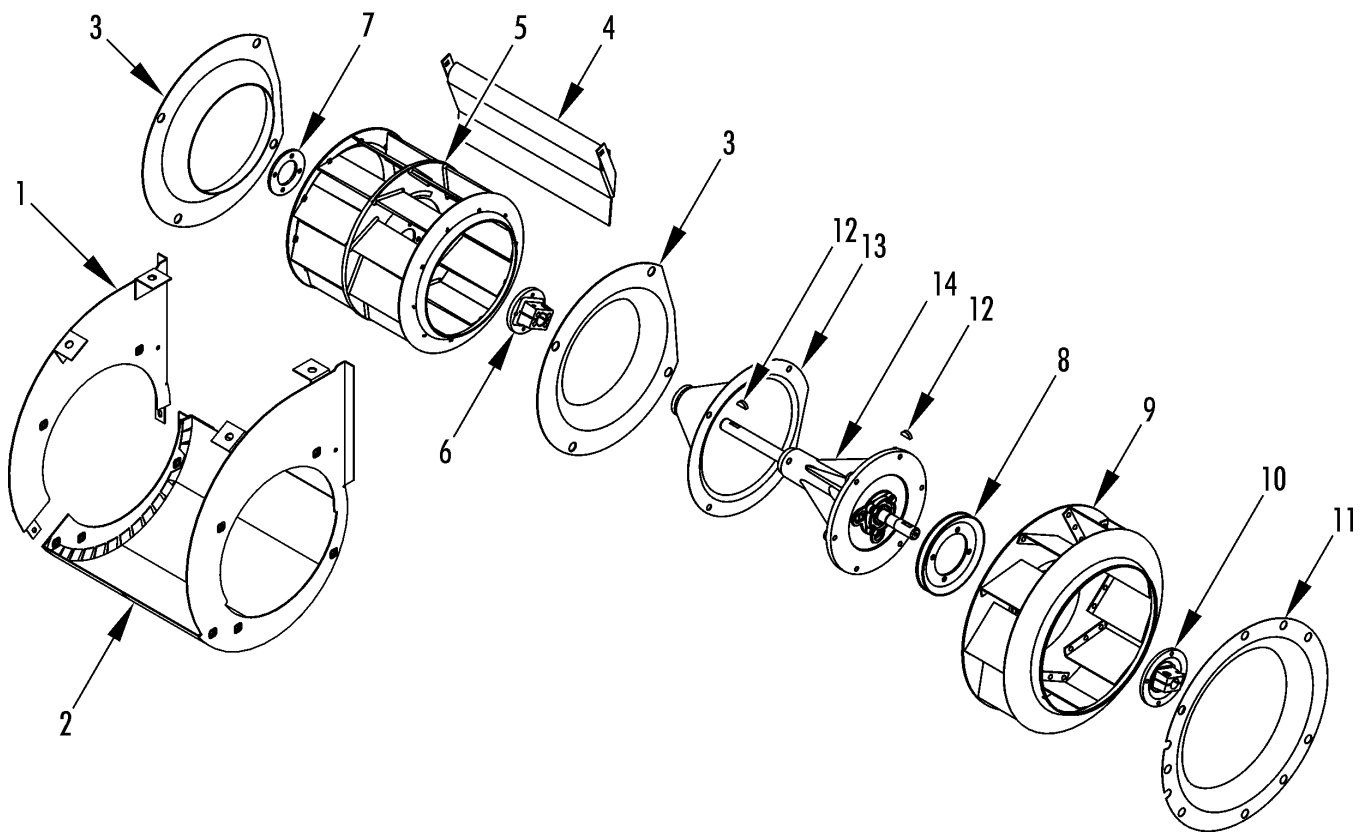
NOTE: After June 2011, S/N 6001094273, the evaporator blower wheel was changed to 78-1774. Kit 70-218 will convert units built before June 2011 to the new blower wheel. Kit 70-218 includes blower 78-1774, housing member 92-9007 and two (2) inlet orifices 98-8662.



BELTS & BLOWERS (6/11 & after, 30s)**250E1**Revised
02/16/16

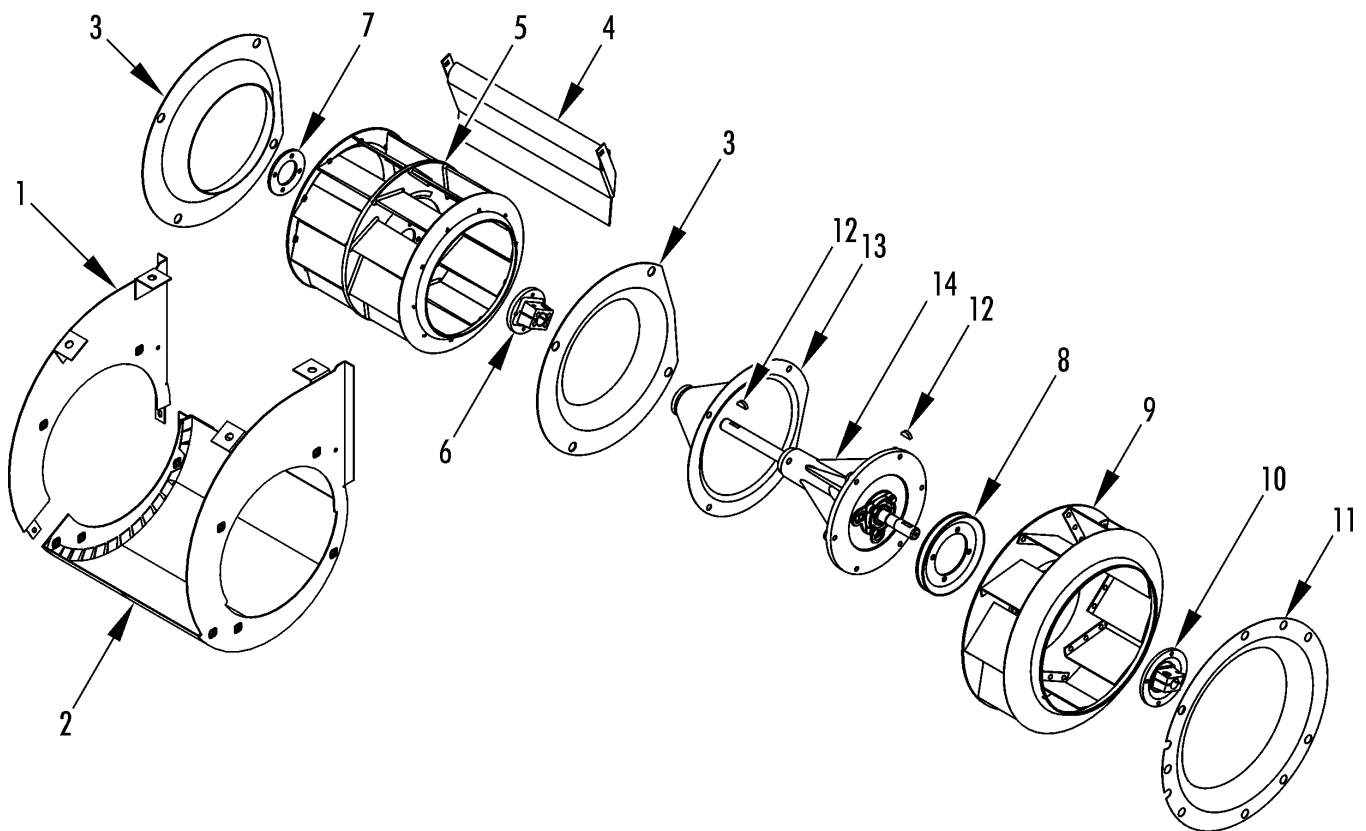
REF	PART NO.	DESCRIPTION	QTY
	45-2591	ALTERNATOR (120A, w/o fan, extended life)	1
	45-2594	ALTERNATOR (120A, w/o fan, standard life plus)	1
	845-2683	ALTERNATOR (120A, w/o fan, reman)	1
	41-6867	FAN - alternator (cw rotation)	1
	77-2359	PULLEY - alternator	1
28	55-457	KEY - woodruff	2
29	55-529	SCREW - arm & channel	3
	55-375	LOCKWASHER	8
	55-402	FLATWASHER	5
	55-5078	NUT	1
30	99-8135	COVER - housing bearing	1
	55-1587	SCREW - cover	4
	55-1800	LOCKWASHER	4
31	91-1199	GUIDE - belt	1

NOTE: After June 2011, S/N 6001094273, the evaporator blower wheel was changed to 78-1774. Kit 70-218 will convert units built before June 2011 to the new blower wheel. Kit 70-218 includes blower 78-1774, housing member 92-9007 and two (2) inlet orifices 98-8662.





REF	PART NO.	DESCRIPTION	QTY
1	98-5766	PANEL - housing	1
2	98-5817	HOUSING - evaporator blower	1
3	90-409	KIT - evaporator orifice (polypropylene)	2
	55-4742	*WASHER - special	4
	55-1587	SCREW - orifice	8
	55-3059	NUT - captive	8
4	99-7962	MEMBER - housing (evaporator blower)	1
	55-1587	SCREW - member	2
	55-1800	LOCKWASHER	2
	55-2086	FLATWASHER	2
	55-3059	NUT - captive	2
5	70-218	WHEEL - blower (complete)	1
6	77-2208	*HUB	1
	55-2969	*SCREW - blower to hub	4
	55-8974	*SCREW - hub to shaft	2
	55-2959	*LOCKWASHER	2
	55-2958	*FLATWASHER	2
7	99-4353	RING - evaporator blower hub	1
8	77-1842	PULLEY - blower	1
9	78-1080	BLOWER - condenser	1
10	77-1592	HUB	1
	55-5758	SCREW - hub to shaft	2
	55-371	FLATWASHER	2
	55-172	SCREW - hub to pulley	4
	55-790	LOCKWASHER	4
	55-371	FLATWASHER	4
11	98-2804	SPINNING - condenser	1
	55-538	SCREW - spinning	6
	55-405	WASHER - dome	6
	55-4974	NUT - captive	6
12	55-457	KEY - fanshaft	2
13	99-8135	COVER - housing bearing	1
	55-1587	SCREW - cover	4



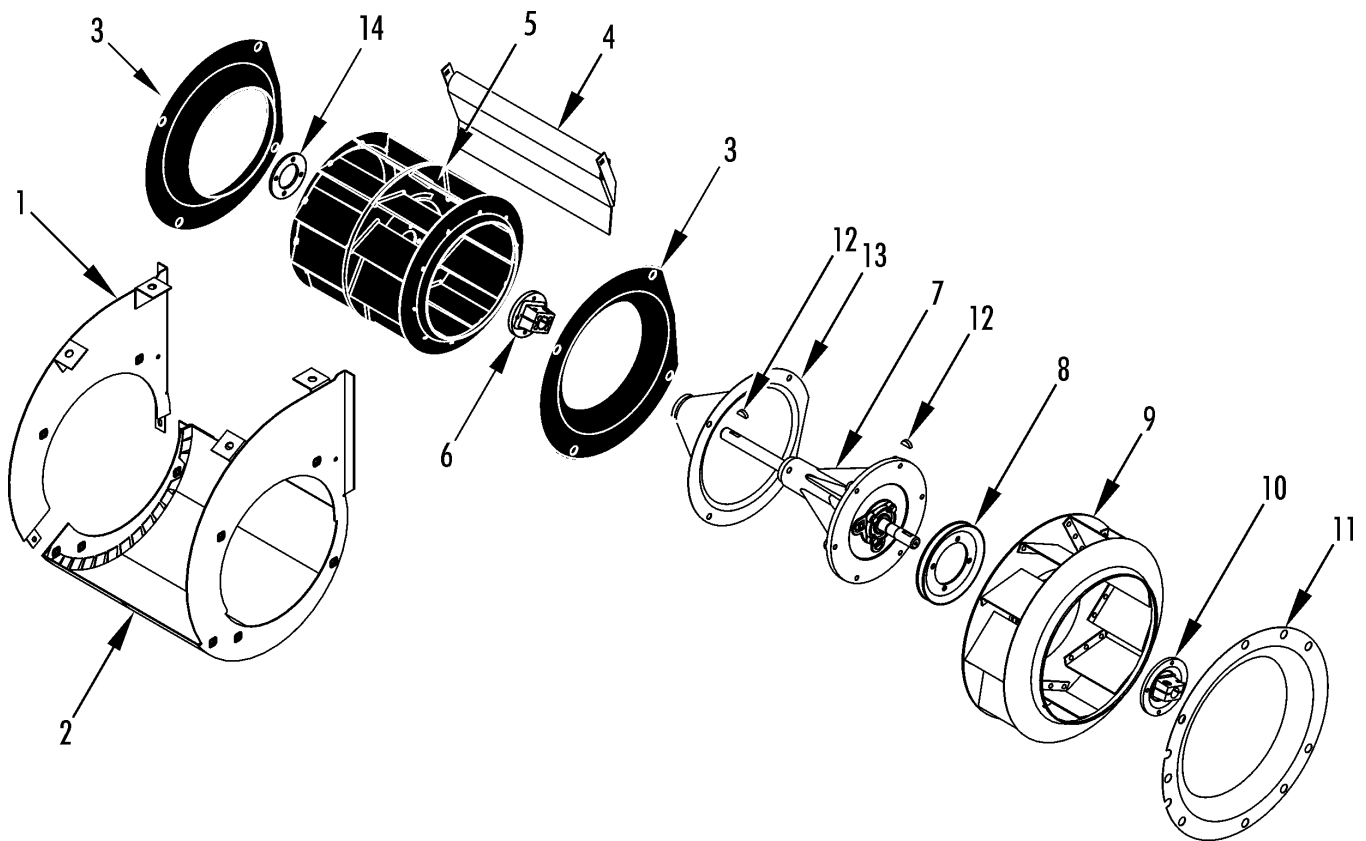
Revised
03/22/14

BLOWER GROUP (50s)



156A8

REF	PART NO.	DESCRIPTION	QTY
	55-1800	LOCKWASHER	4
	55-4742	WASHER - special	4
14	78-706	FANSHAFT - assembly (see 84E5)	1
	55-129	SCREW - fanshaft	6
	55-375	LOCKWASHER	6
	55-402	FLATWASHER	6

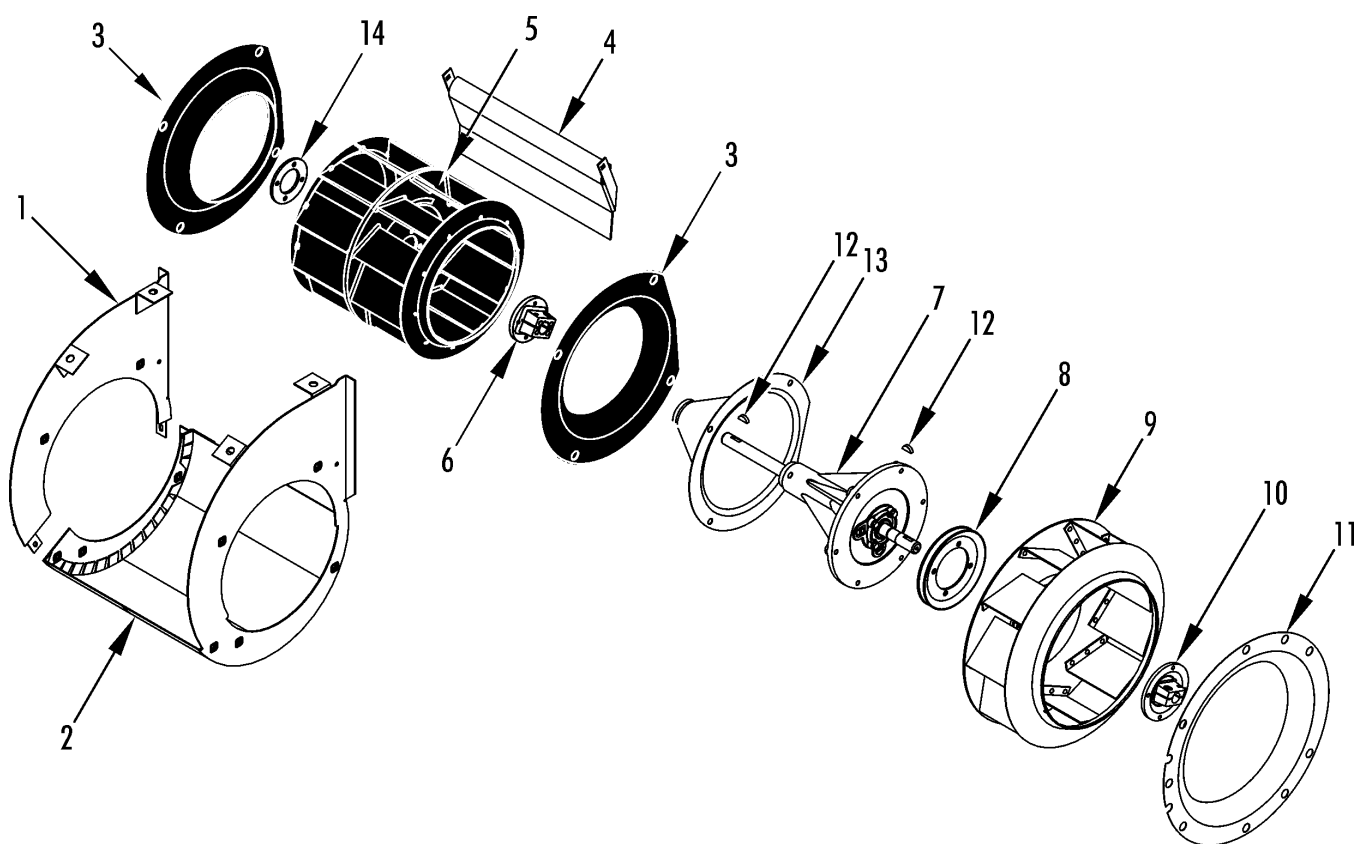


BLOWER GROUP (6/11 & after, 50s)



250E6

REF	PART NO.	DESCRIPTION	QTY
1	98-5766	PANEL - housing (see 247F1)	1
2	98-5817	HOUSING - evaporator blower (see 247F1)	1
3	98-8662	ORIFICE - evaporator	2
	55-4742	WASHER - special	4
	55-1587	SCREW - orifice	8
	55-3059	NUT - captive	8
4	92-9007	MEMBER - housing (evaporator blower)	1
	55-1587	SCREW - member	2
	55-1800	LOCKWASHER	2
	55-2086	FLATWASHER	2
	55-3059	NUT - captive	2
5	78-1774	BLOWER - evaporator	1
6	77-2671	*HUB	1
	55-2969	*SCREW - blower to hub (5/16-18 x 1)	3
	55-3048	*SCREW - blower to hub (3/8-18 x 1)	1
	55-8974	*SCREW - hub to shaft (5/16-18 x 1-3/4)	2
	55-2959	*LOCKWASHER (5/16)	5
	55-2958	*FLATWASHER (5/16)	5
	55-2363	*LOCKWASHER (3/8)	1
	55-2641	*FLATWASHER (3/8)	1
7	78-706	FANSHAFT - assembly (see 84E5)	1
	55-129	SCREW - fanshaft	6
	55-375	LOCKWASHER	6
	55-402	FLATWASHER	6
8	77-1842	PULLEY - blower	1
9	78-1080	BLOWER - condenser	1
10	77-1592	HUB	1
	55-5758	SCREW - hub to shaft	2
	55-371	FLATWASHER	2
	55-172	SCREW - hub to pulley	4
	55-790	LOCKWASHER	4
	55-371	FLATWASHER	4
11	98-2804	SPINNING - condenser	1



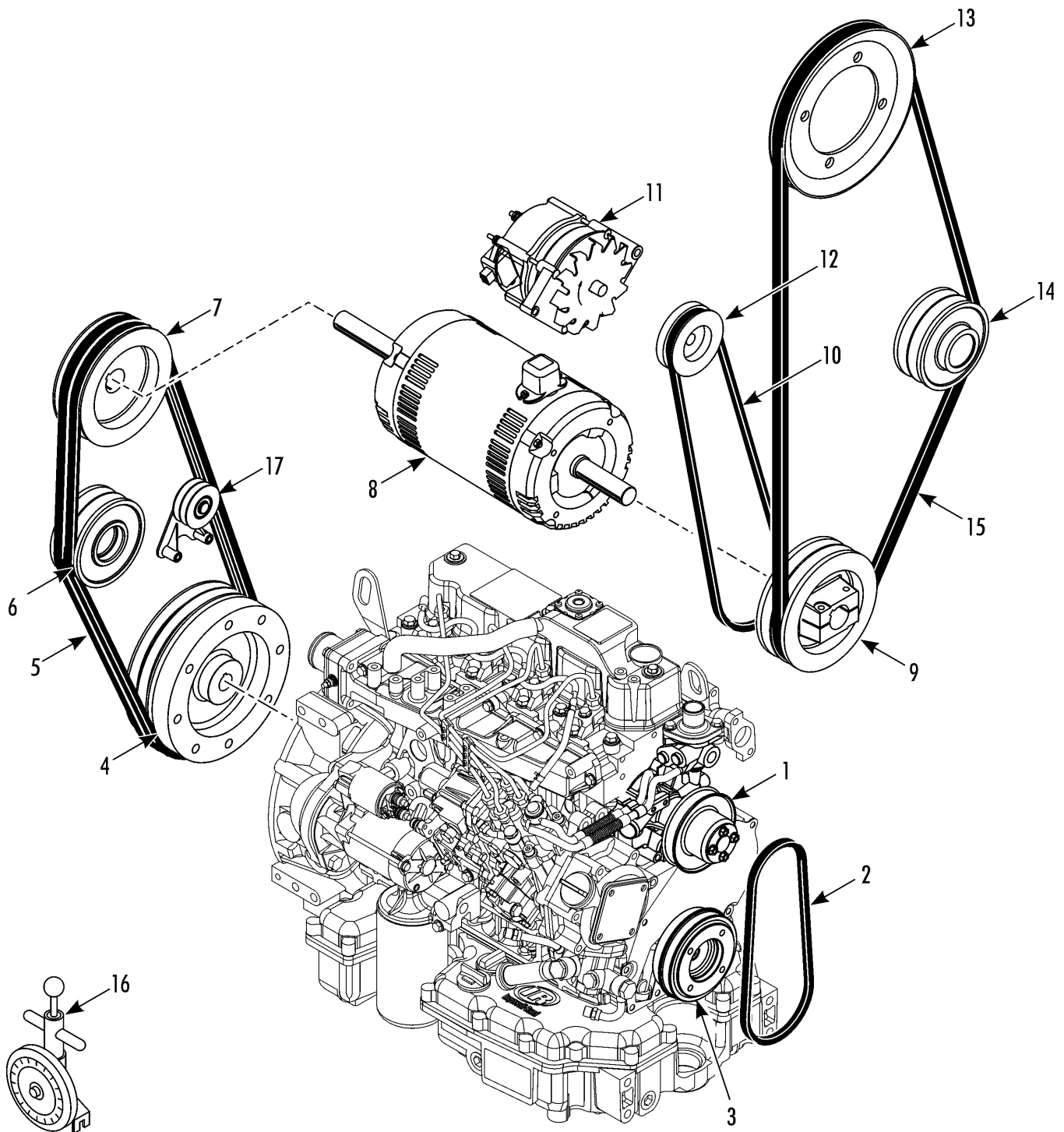
Revised
03/27/14

BLOWER GROUP (6/11 & after, 50s)



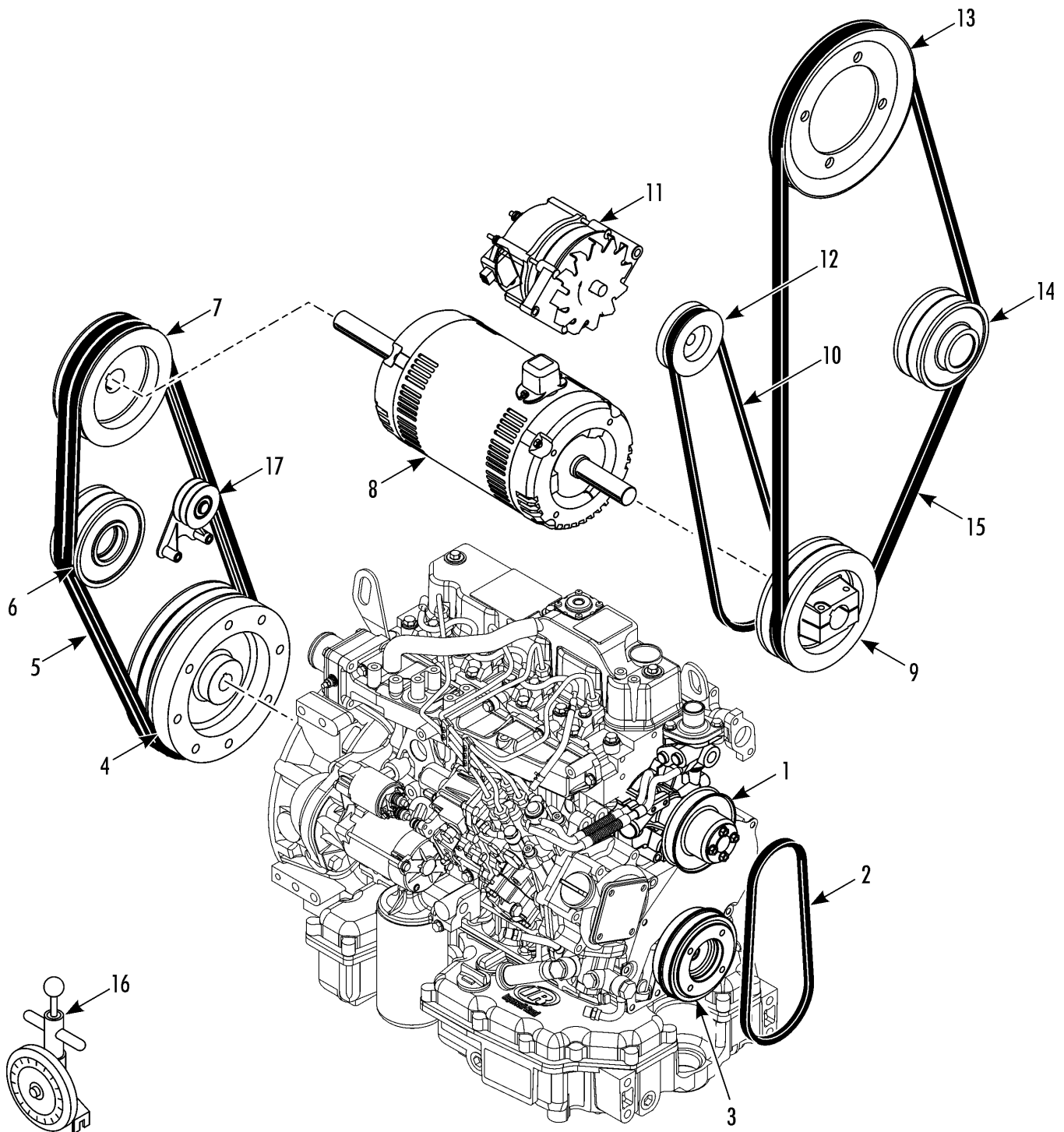
250E6

REF	PART NO.	DESCRIPTION	QTY
	55-538	SCREW - spinning	6
	55-405	WASHER - dome	6
	55-4974	NUT - captive	6
12	55-457	KEY - fanshaft	2
13	99-8135	COVER - housing bearing	1
	55-1587	SCREW - cover	4
	55-1800	LOCKWASHER	4
	55-4742	WASHER - special	4
14	91-8592	RING - evaporator blower hub	1



PULLEYS & BELT GROUP (50s w/ 14 hp motor)**204D8**Revised
12/23/15

REF	PART NO.	DESCRIPTION	QTY
1	13-509	PUMP - water (ELC compatible)	1
2	78-1340	BELT - water pump	1
3	13-353	PULLEY - crankshaft	1
4	107-343	CLUTCH (8-pin, large shaft)	1
	70-194	*KIT - clutch repair	1
	70-208	*KIT - bushing (8-pin clutch, incl pins & bushings)	8
5	78-785	BELT - compressor drive (matched pair)	1
	78-1828	BELT - compressor drive (matched pair, units w/ idler pulley)	1
6	77-1953	PULLEY - idler (see 242E5)	1
7	77-1905	PULLEY - motor	1
	55-201	SCREW - pulley	2
	55-790	LOCKWASHER	2
8	104-632	MOTOR (14 hp, see 204D1)	1
9	77-1906	PULLEY - motor	1
	55-201	SCREW - pulley	2
	55-790	LOCKWASHER	2
	55-7482	KEY	1
10	78-845	BELT - alternator	1
11	41-2195	ALTERNATOR (37A)	1
	45-2589	ALTERNATOR (37A, w/o fan, extended life)	1
	45-2592	ALTERNATOR (37A, w/o fan, standard life plus)	1
	845-2681	ALTERNATOR (37A, w/o fan, reman)	1
	41-6867	FAN - alternator (cw rotation)	1
	41-2197	ALTERNATOR (65A)	1
	41-3372	ALTERNATOR (105A)	1
12	77-1598	PULLEY - alternator (37A & 65A)	1
	77-2978	PULLEY - alternator (45-2254, 37A)	1
	77-2166	PULLEY - alternator (105A)	1
13	77-1842	PULLEY - blower	1
14	77-1953	PULLEY - idler (see 242E5)	1
15	78-844	BELT - blower	1
16	204-427	GAUGE - belt tension	1
17	78-1849	PULLEY - idler	1



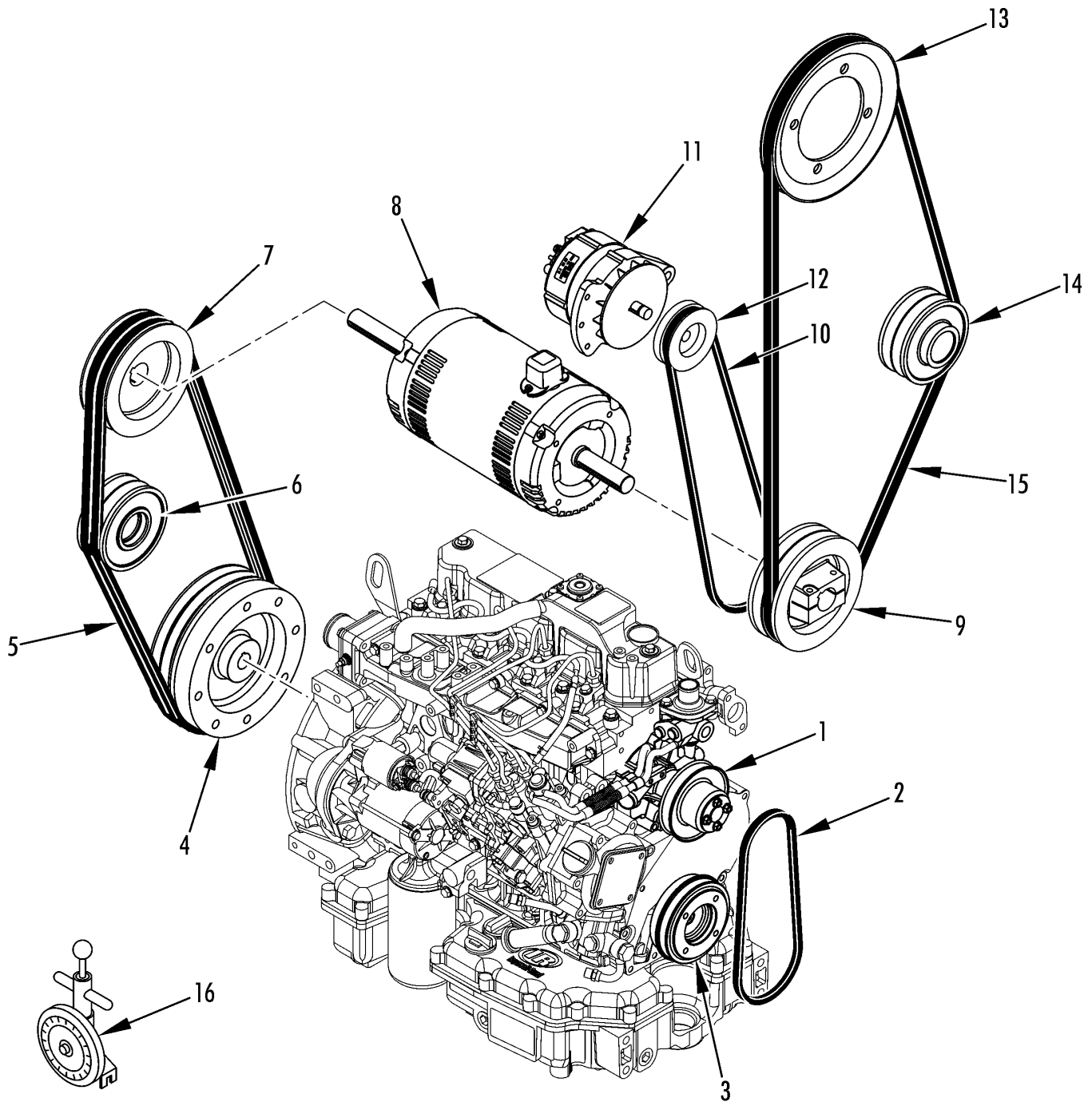
PULLEYS & BELT GROUP (50s w/ 14 hp motor)



204D8

Revised
12/23/15

REF	PART NO.	DESCRIPTION	QTY
	55-926	SCREW - idler	2
	55-375	LOCKWASHER	2



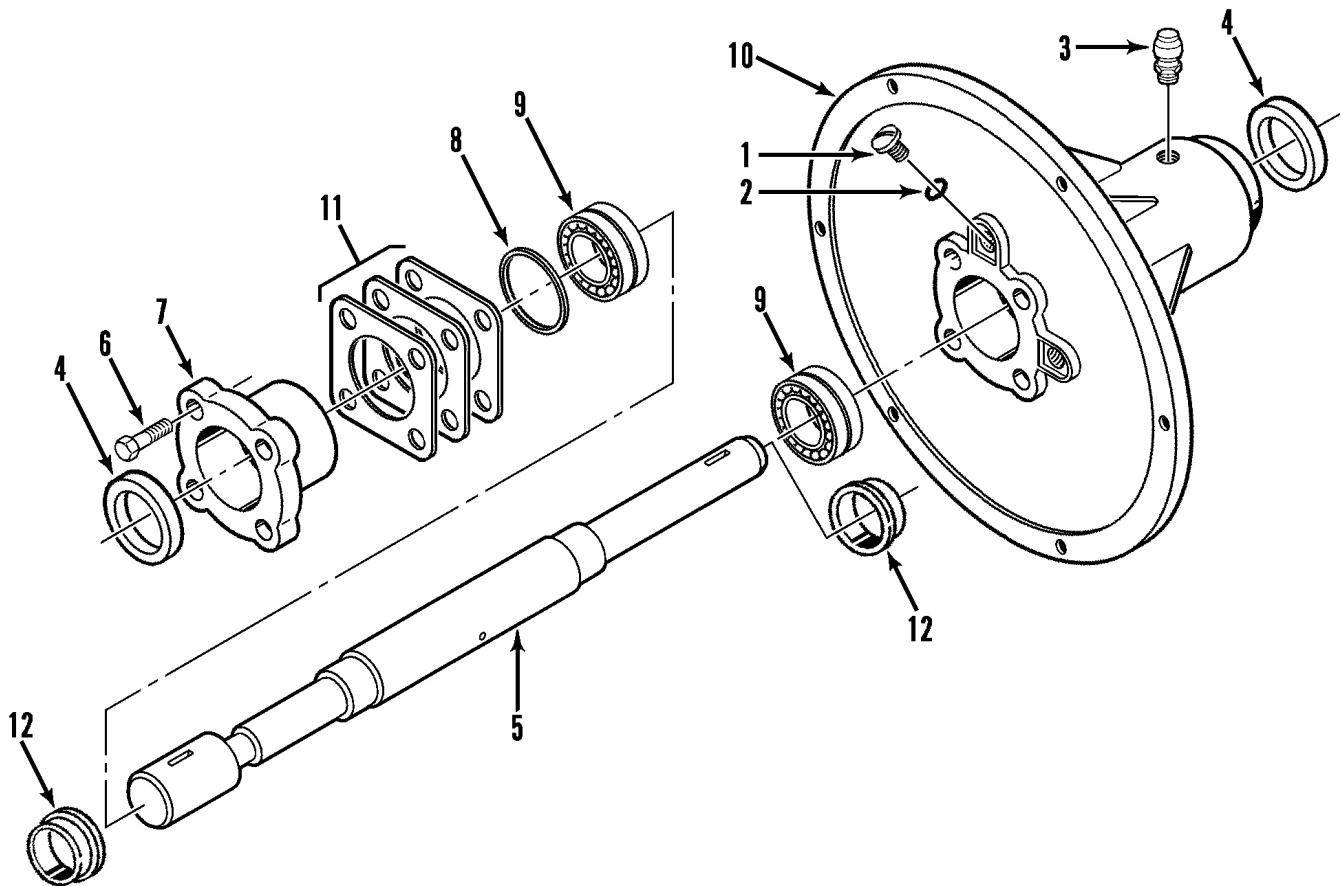
PULLEYS & BELT GROUP (50s w/ 24 hp motor)



240D3

Revised
12/23/15

REF	PART NO.	DESCRIPTION	QTY
1	13-509	PUMP - water (ELC compatible)	1
2	78-1340	BELT - water pump	1
3	13-353	PULLEY - crankshaft	1
4	107-343	CLUTCH (8-pin, large shaft)	1
	70-194	*KIT - clutch repair	1
	70-208	*KIT - bushing (8-pin clutch, incl pins & bushings)	8
5	78-1721	BELT - compressor drive	1
6	77-1953	PULLEY - idler (see 242E5)	1
7	77-2975	PULLEY - motor	1
	55-201	SCREW - pulley	2
	55-790	LOCKWASHER	2
8	104-797	MOTOR - 24 hp (see 240D4)	1
	NSS	*KEY - motor (303 SS, .311 x 2.75 in sq)	2
	44-6785	CONNECTOR - conduit grip	1
	41-162	CONDUIT - motor leads	A/R
9	77-2976	PULLEY - motor	1
	55-201	SCREW - pulley	2
	55-790	LOCKWASHER	2
10	78-845	BELT - alternator	1
11	41-2195	ALTERNATOR (37A, see 144C4)	1
	45-2589	ALTERNATOR (37A, w/o fan, extended life, see 208F4)	1
	45-2592	ALTERNATOR (37A, w/o fan, standard life plus)	1
	845-2681	ALTERNATOR (37A, w/o fan, reman)	1
	41-6867	FAN - alternator (cw rotation)	1
	41-2197	ALTERNATOR (65A, see 144C6)	1
	41-3372	ALTERNATOR (105A)	1
12	77-1598	PULLEY - alternator (37 & 65A)	1
	77-2978	PULLEY - alternator (45-2254, 37A)	1
	77-2166	PULLEY - alternator (105A)	1
13	77-1842	PULLEY - blower	1
14	77-1953	PULLEY - idler (see 70D12)	1
15	78-1738	BELT - blower	1
16	204-427	GAUGE - belt tension	1



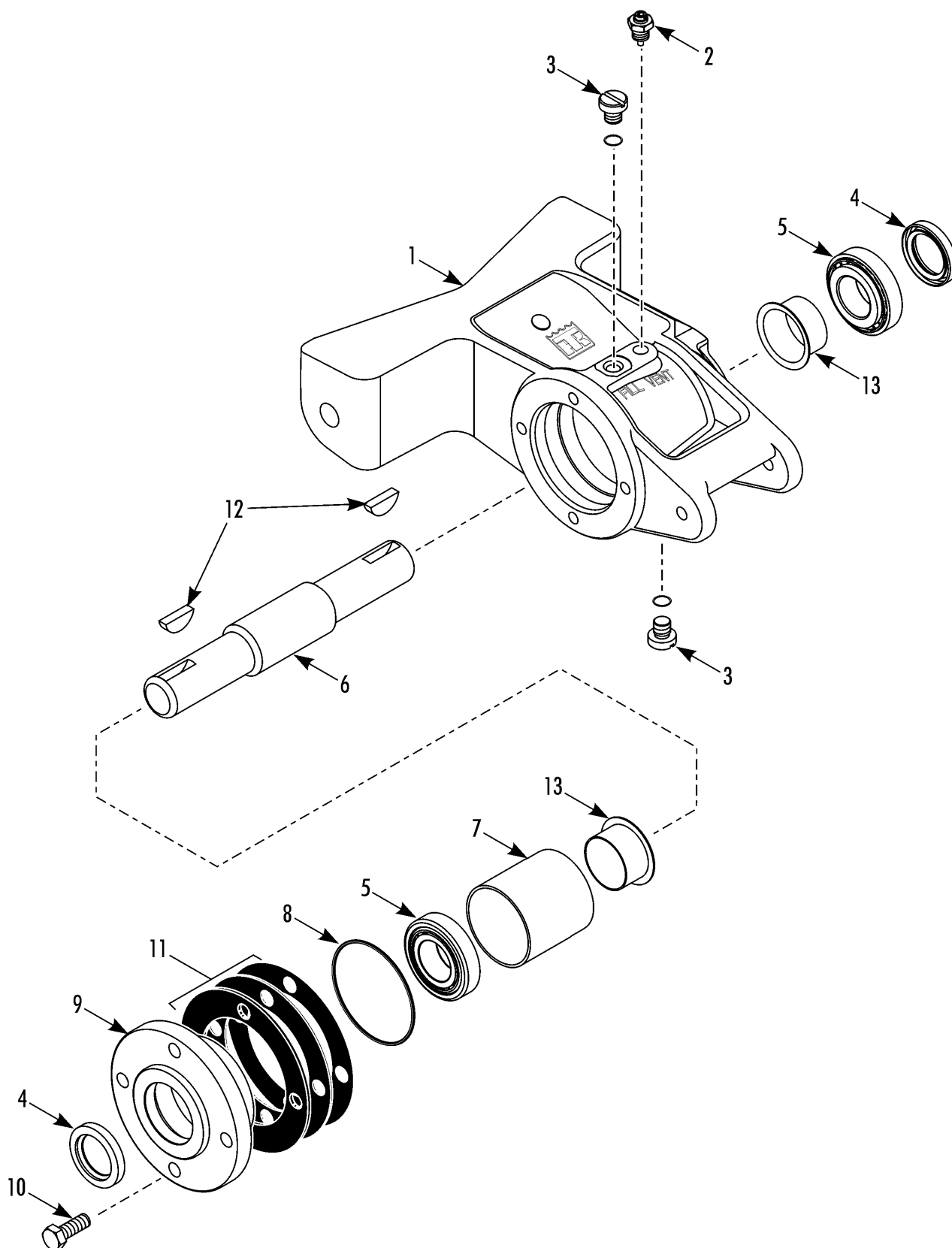
FANSHAFT ASSEMBLY & ROLLER BEARING



84E5

Revised
01/27/12

REF	PART NO.	DESCRIPTION	QTY
	78-706	FANSHAFT - assembly	1
1	55-3350	*SCREW - oil plug	2
2	33-1009	*O-RING	2
3	55-6418	*VENT - air	1
	55-6416	*CAP	1
4	33-2134	*SEAL - oil	2
5	77-3046	*SHAFT - fan	1
6	55-533	*SCREW - cap	4
	55-371	*FLATWASHER	4
7	91-1203	*CAP	1
8	33-982	*O-RING	1
9	77-1070	*BEARING - roller	2
	203-278	*OIL – synthetic (1 gallon)	A/R
10	92-4304	*HOUSING	1
11	99-2901	*SHIM (0.005 thk)	A/R
	99-2902	*SHIM (0.007 thk)	A/R
	99-4231	*SHIM (0.020 thk)	A/R
	70-135	KIT - fanshaft repair	1
12	11-6863	SLEEVE - repair	1



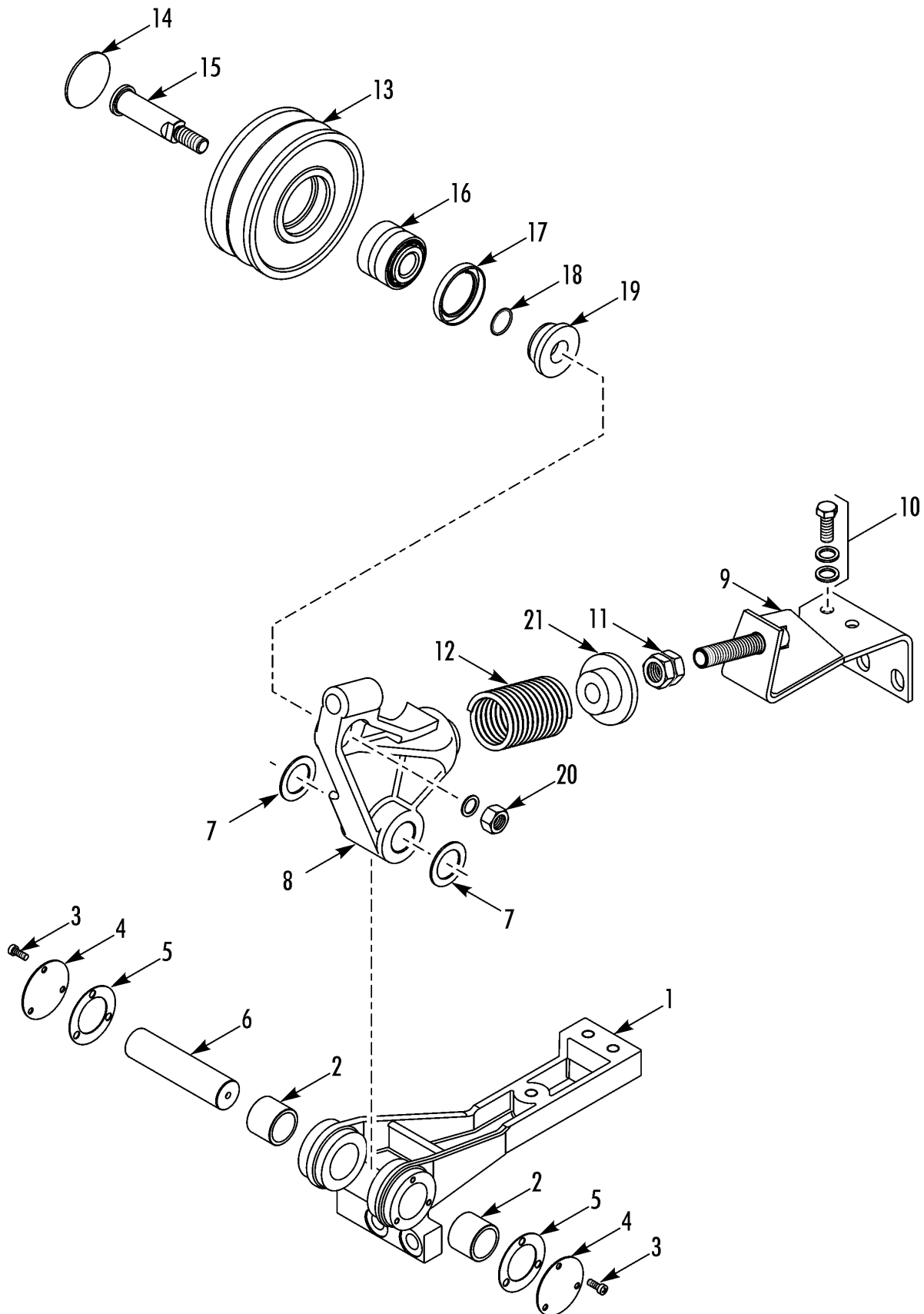
IDLER ASSEMBLY (1/96 & After)



133A4

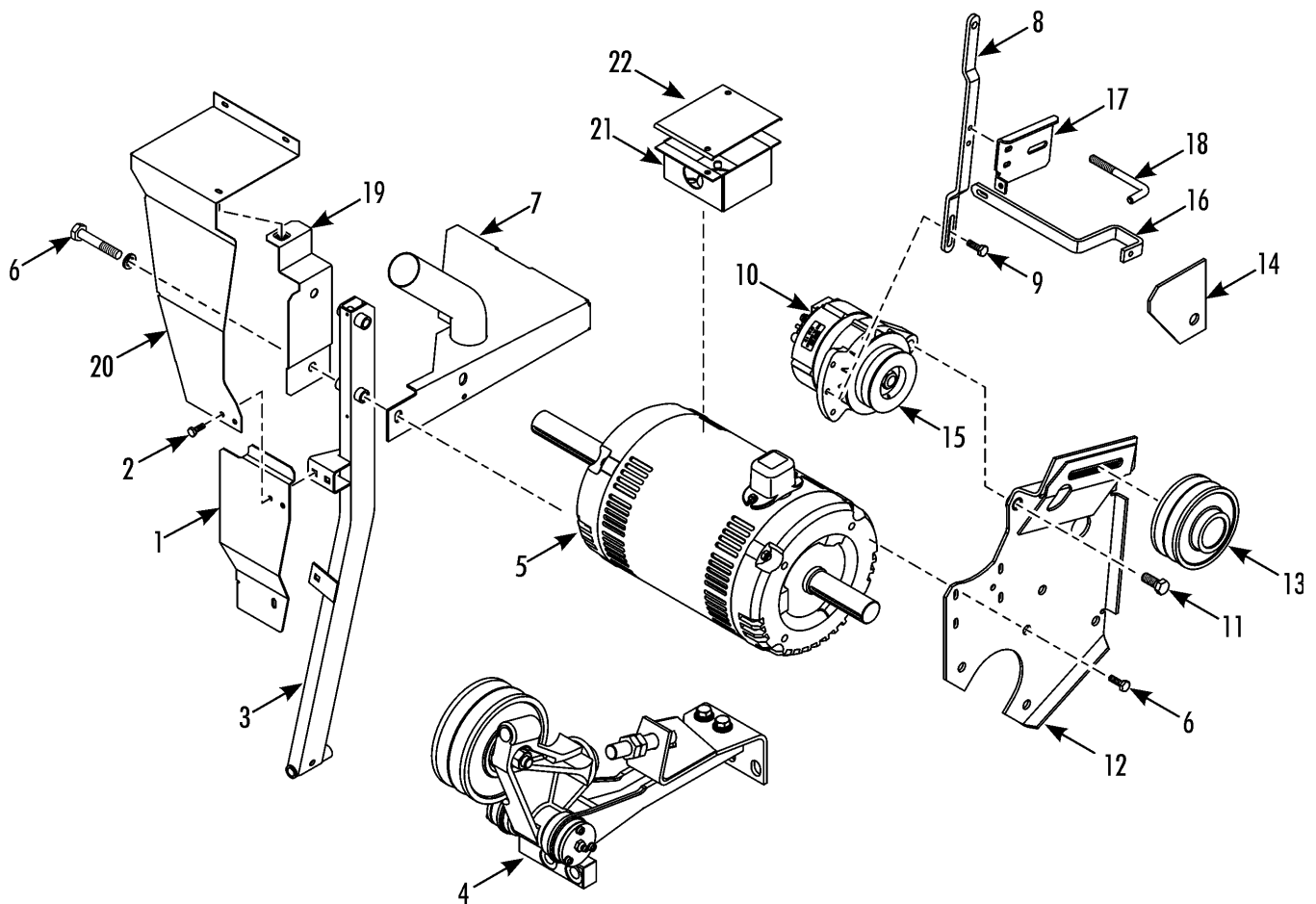
Revised
01/15/16

REF	PART NO.	DESCRIPTION	QTY
	78-1013	HOUSING - idler shaft, complete	1
1	NSS	*HOUSING - bearing idler	1
2	55-6418	*VENT - air	1
	55-6416	*CAP	1
3	55-3350	*SCREW - oil plug	2
	33-1009	*O-RING	1
4	33-2134	*SEAL - oil	2
	203-278	*OIL – synthetic (1 gallon)	A/R
5	77-1070	*BEARING - roller	2
6	77-2613	*SHAFT - idler pulley	1
7	99-3264	*TUBE - fan shaft housing	1
8	33-872	*O-RING	1
9	91-7482	*CAP - housing bearing	1
10	55-533	*SCREW - cap	4
	55-371	*FLATWASHER	4
11	99-7978	*SHIM (0.005 thk)	A/R
	99-7979	*SHIM (0.007 thk)	A/R
	99-7980	*SHIM (0.020 thk)	A/R
12	55-457	KEY	2
13	11-6863	SLEEVE - repair	1



BELT TENSIONER (w/o Grease Fittings)**242E5**Revised
05/18/15

REF	PART NO.	DESCRIPTION	QTY
1	92-1239	BASE - belt tensioner	1
	90-136	KIT - belt tensioner (includes items 2 & 6)	1
2	77-1704	*BEARING	2
3	55-760	SCREW - cover	6
	55-1511	LOCKWASHER	6
4	99-8535	COVER - bearing	2
5	33-1663	GASKET - plate	2
6	77-2977	SHAFT	1
7	55-5569	WASHER - thrust	2
8	99-8534	ARM - belt tensioner	1
9	92-245	BRACKET - tensioner	1
10	55-529	SCREW	3
	55-375	LOCKWASHER	3
	55-402	FLATWASHER	3
11	55-2483	NUT	2
12	92-8415	SPRING - compression	1
13	77-1953	PULLEY - idler (complete)	1
	77-1954	*PULLEY (only)	1
14	77-1093	*PLUG - expansion	1
15	77-1139	*SPINDLE - pulley	1
16	77-2389	*BEARING - roller	1
17	33-1924	*SEAL - oil	1
18	33-1162	*O-RING	1
19	33-1163	*RING - seal	1
20	55-314	NUT - pulley	1
	55-365	LOCKWASHER	1
	55-2038	FLATWASHER	1
21	99-8545	COLLAR	1



MOTOR, ALTERNATOR & TENSIONER GROUP

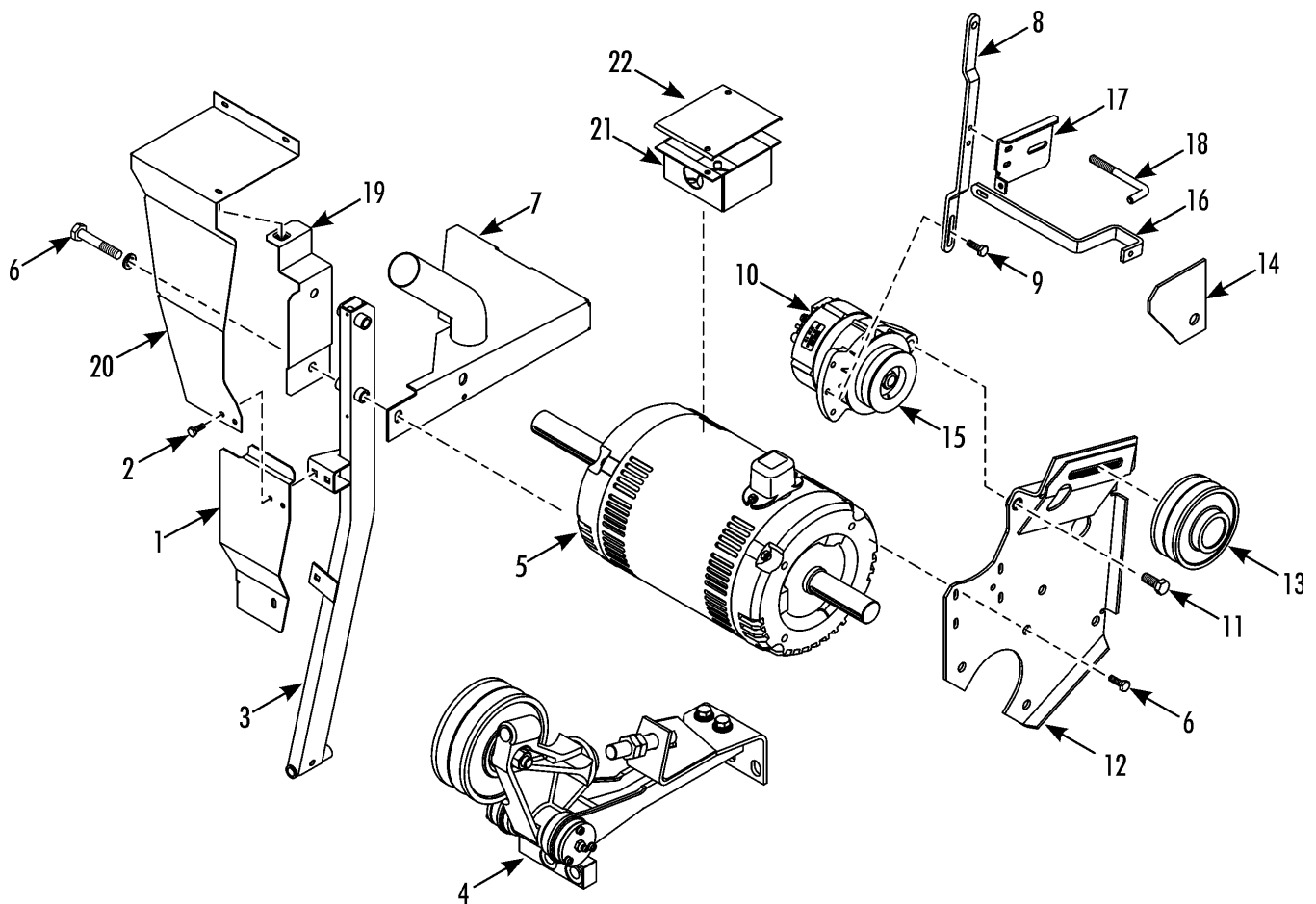
(w/ 14 hp motor)

Revised
12/23/15



204D1

REF	PART NO.	DESCRIPTION	QTY
1	92-3992	SHIELD - belt	1
2	55-145	SCREW - shield (hex head)	2
	55-3542	SCREW - shield (truss head)	2
	55-411	FLATWASHER	4
	55-366	LOCKWASHER	3
	55-4974	NUT - captive	3
3	92-3993	TUBE - motor support	1
	55-5597	SCREW - tube	1
	55-2038	FLATWASHER	2
	55-3686	NUT	1
4	NSS	TENSIONER - belt (see 242E5)	1
5	104-632	MOTOR (230-460/3/50-60, 14hp)	1
	104-646	MOTOR (200/3/50-60)	1
6	55-5608	SCREW (1/2-13 x 3 in)	2
	55-6149	SCREW (1/2-13 x 1 in)	4
	55-365	LOCKWASHER	6
7	98-4331	BRACKET - motor support	1
	99-8537	NUTPLATE	2
	55-1669	SCREW - support	2
	55-365	LOCKWASHER	2
8	92-2745	ARM - alternator adjust	1
9	55-129	SCREW - alternator (adjust)	3
	55-1243	WASHER	3
	55-375	LOCKWASHER	2
	55-5078	NUT	1
10	41-2195	ALTERNATOR (37A)	1
	45-2589	ALTERNATOR (37A, w/o fan, extended life)	1
	45-2592	ALTERNATOR (37A, w/o fan, standard life plus)	1
	845-2681	ALTERNATOR (37A, w/o fan, reman)	1
	41-6867	FAN - alternator (cw rotation)	1
	41-2197	ALTERNATOR (65A)	1
	41-3372	ALTERNATOR (105A)	1
11	55-4214	SCREW - alternator	1



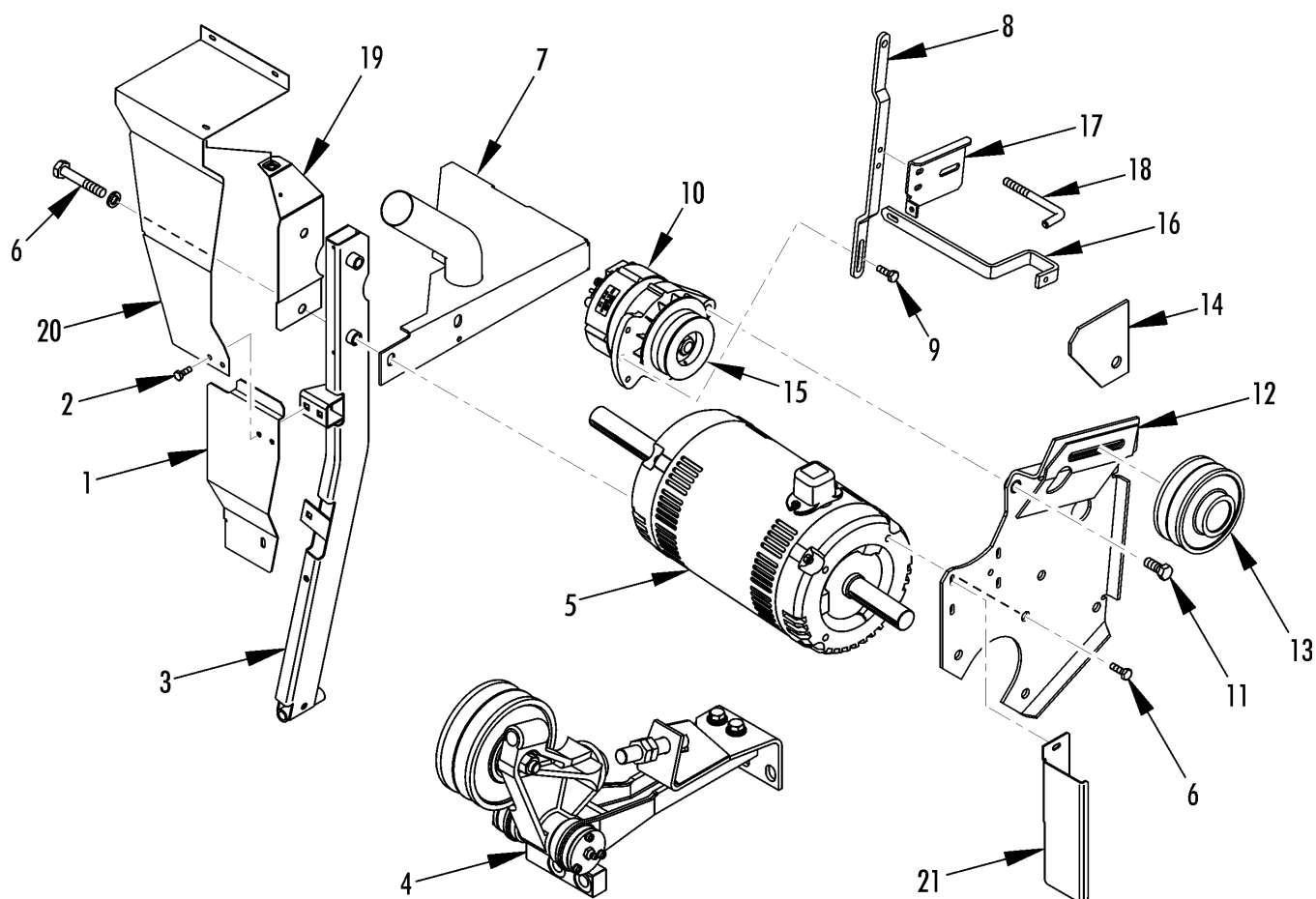
MOTOR, ALTERNATOR & TENSIONER GROUP
(w/ 14 hp motor)

Revised
12/23/15



204D1

REF	PART NO.	DESCRIPTION	QTY
	55-2038	FLATWASHER	1
	55-3686	NUT	1
12	98-8401	PLATE - motor	1
	55-1669	SCREW - plate	4
	55-365	LOCKWASHER	4
13	77-1953	PULLEY - idler (see 70D12)	1
14	91-3885	PLATE - idler adjust	1
	55-365	LOCKWASHER	1
	55-314	NUT	1
15	77-1598	PULLEY - alternator (for 41-2195 & 41-2197)	1
	77-2978	PULLEY - alternator (for 45-2254)	1
	77-2166	PULLEY - alternator (for 41-3372)	1
	77-2979	PULLEY - alternator (for 45-2258)	1
16	92-2724	BRACE - adjust arm	1
	55-101	SCREW - brace	2
	55-411	FLATWASHER	4
	55-366	LOCKWASHER	2
	55-4118	NUT	2
17	92-2725	BRACKET - belt guide	1
18	91-1429	ROD - belt guide	1
	55-289	NUT	2
	55-375	LOCKWASHER	1
	55-402	FLATWASHER	2
19	92-3991	BRACKET - fuel line guard	1
20	92-3990	BRACKET - belt guard	1
21	99-8538	BOX - junction (motor)	1
	55-165	SCREW - box	2
	55-419	LOCKWASHER	2
22	99-8539	COVER - junction box	1
	55-736	SCREW - cover	2
	55-1511	LOCKWASHER	2
	55-2752	NUT	2



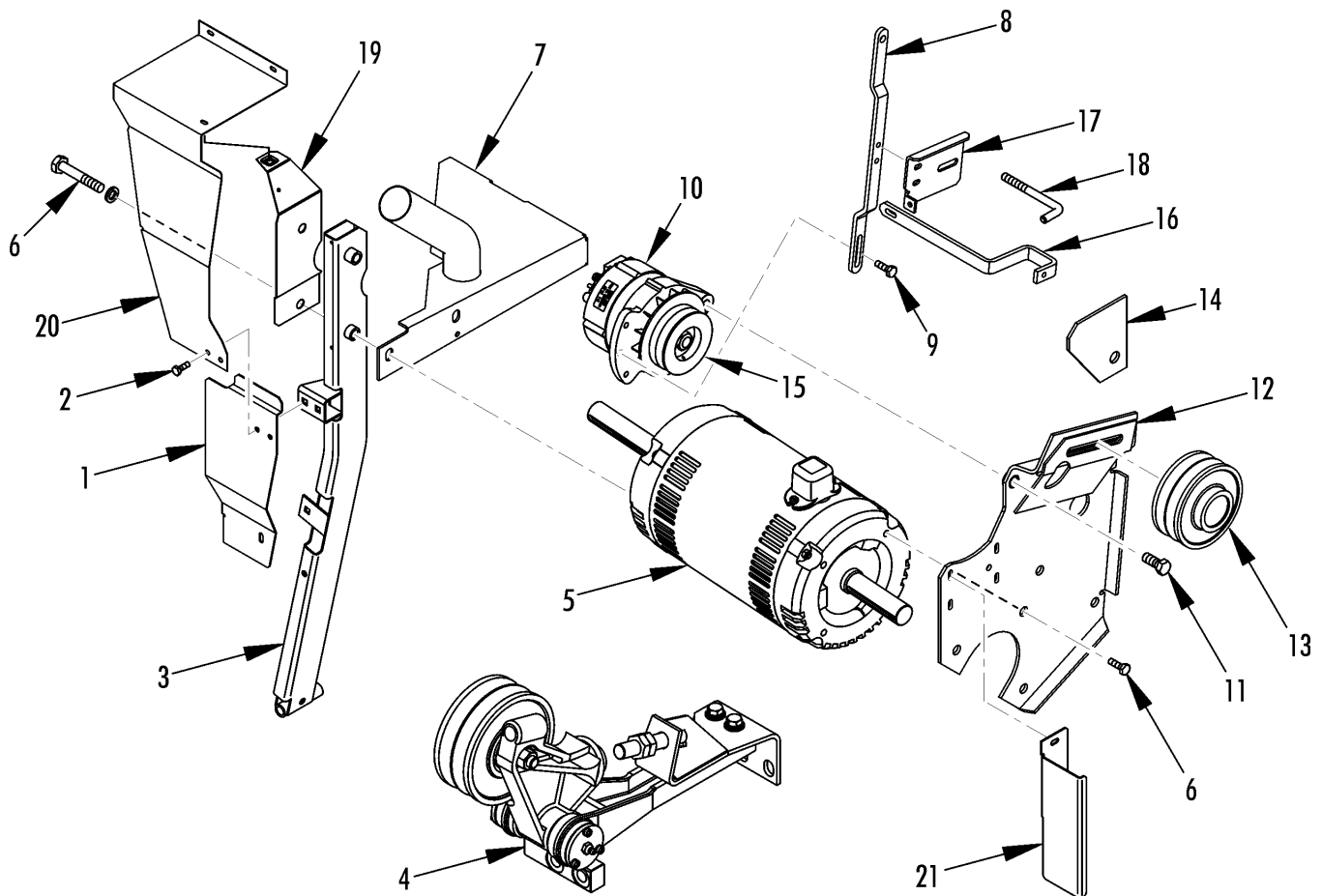
MOTOR, ALTERNATOR & TENSIONER GROUP
(w/ 24 hp motor)

Revised
12/23/15



240D4

REF	PART NO.	DESCRIPTION	QTY
1	92-3992	SHIELD - belt	1
2	55-145	SCREW - shield (hex head)	2
	55-3542	SCREW - shield (truss head)	2
	55-411	FLATWASHER	4
	55-366	LOCKWASHER	3
	55-4974	NUT - captive	3
3	92-8017	TUBE - motor support	1
	55-5597	SCREW - tube	1
	55-2038	FLATWASHER	2
	55-3686	NUT	1
4	NSS	TENSIONER - belt (see 242E5)	1
5	104-797	MOTOR (24hp, 460V)	1
	NSS	*KEY - motor (303 SS, .311 x 2.75 in sq)	2
	44-6785	CONNECTOR - liquid tite	1
6	55-5608	SCREW (1/2-13 x 3 in)	2
	55-6149	SCREW (1/2-13 x 1 in)	4
	55-365	LOCKWASHER	6
7	98-8389	BRACKET - motor support	1
	99-8537	NUTPLATE	2
	55-1669	SCREW - support	2
	55-365	LOCKWASHER	2
8	92-2745	ARM - alternator adjusting	1
9	55-129	SCREW - arm	3
	55-1243	WASHER	3
	55-375	LOCKWASHER	2
	55-5078	NUT	1
10	41-2195	ALTERNATOR (37A)	1
	45-2589	ALTERNATOR (37A, w/o fan, extended life)	1
	45-2592	ALTERNATOR (37A, w/o fan, standard life plus)	1
	845-2681	ALTERNATOR (37A, w/o fan, reman)	1
	41-6867	FAN - alternator (cw rotation)	1
	41-2197	ALTERNATOR (65A)	1
	41-3372	ALTERNATOR (105A)	1



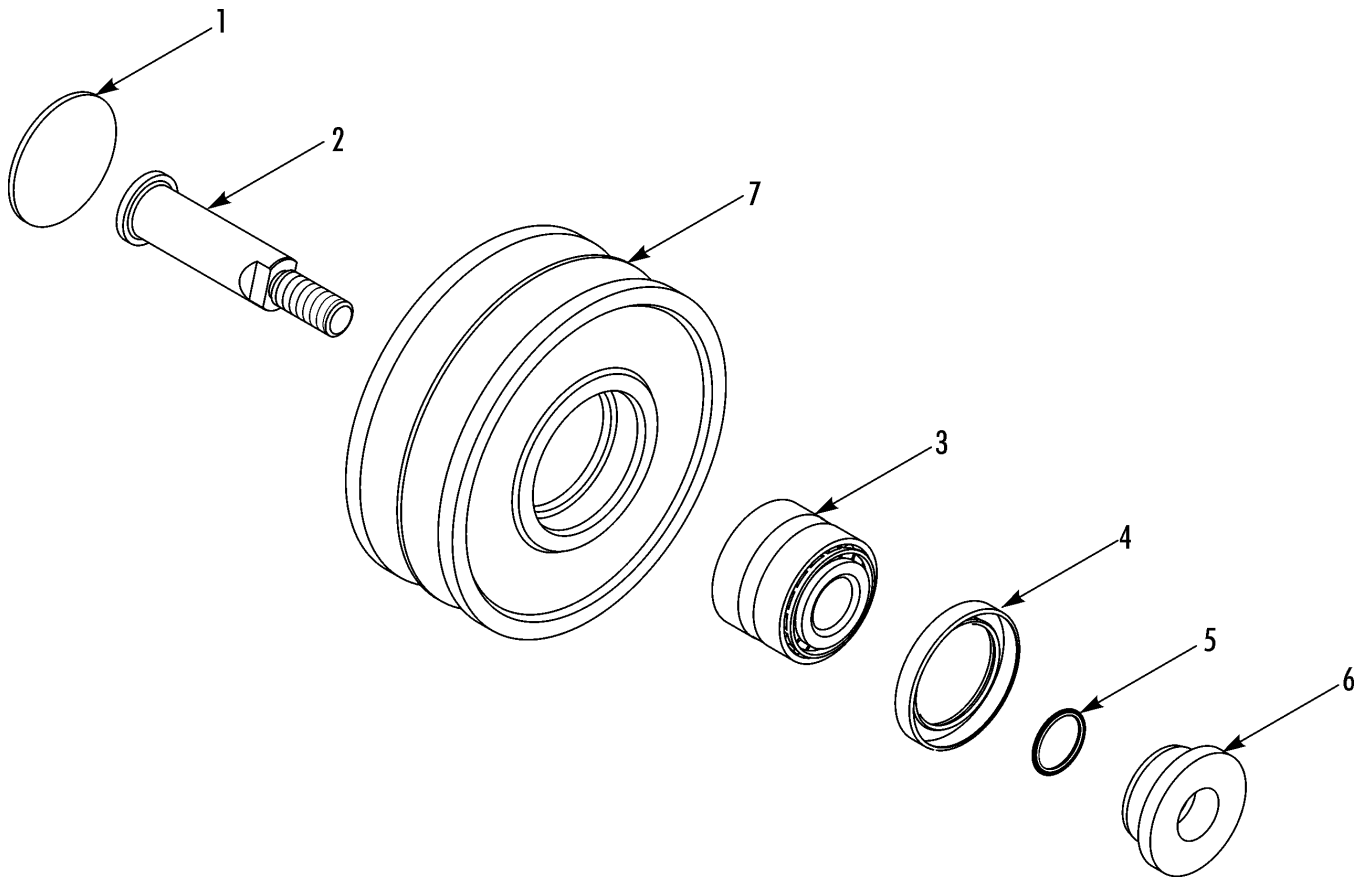
MOTOR, ALTERNATOR & TENSIONER GROUP
(w/ 24 hp motor)

Revised
12/23/15



240D4

REF	PART NO.	DESCRIPTION	QTY
11	55-4214	SCREW - alternator	1
	55-2038	FLATWASHER	1
	55-3686	NUT	1
12	98-8401	PLATE - motor	1
	55-1669	SCREW - plate	4
	55-365	LOCKWASHER	4
13	77-1953	PULLEY - idler (see 70D12)	1
14	91-3885	PLATE - idler adjusting	1
	55-365	LOCKWASHER	1
	55-314	NUT	1
15	77-1598	PULLEY - alternator (for 41-2195 & 41-2197)	1
	77-2978	PULLEY - alternator (for 45-2254)	1
	77-2166	PULLEY - alternator (for 41-3372)	1
16	92-2724	BRACE - adjusting arm	1
	55-101	SCREW - brace	2
	55-411	FLATWASHER	4
	55-366	LOCKWASHER	2
	55-4118	NUT	2
17	92-2725	BRACKET - belt guide	1
18	91-1429	ROD - belt guide	1
	55-289	NUT	2
	55-375	LOCKWASHER	1
	55-402	FLATWASHER	2
19	98-8390	BRACKET - fuel line guard	1
20	92-3990	BRACKET - belt guard	1
21	92-8018	BRACKET - belt guard	1



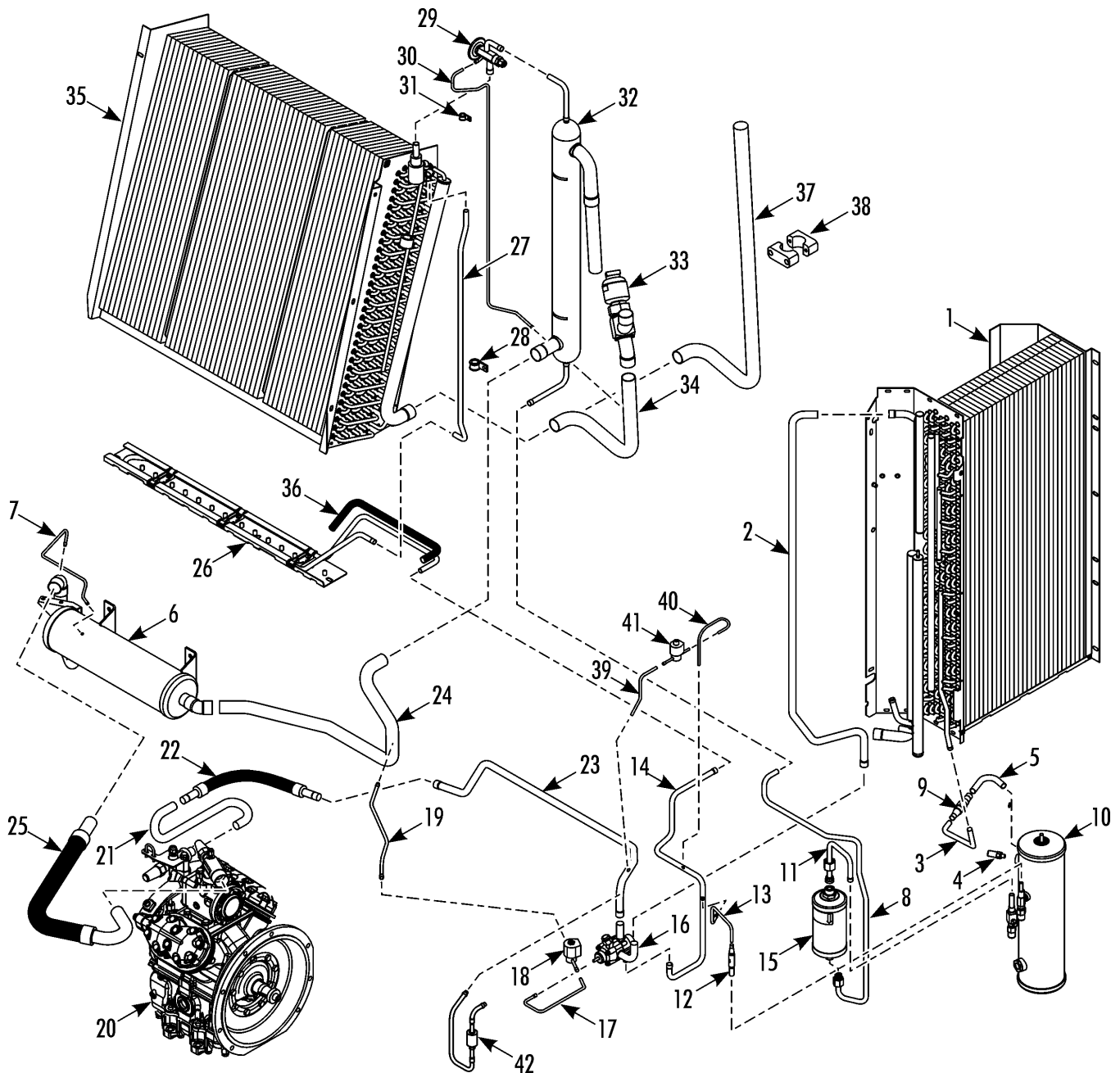
Revised
03/09/12

IDLER PULLEY ASSEMBLY



70D12

REF	PART NO.	DESCRIPTION	QTY
	77-1953	PULLEY - idler (5.0 od)	1
1	77-1093	*PLUG - expansion	1
2	77-1139	*SPINDLE - pulley	1
3	77-2389	*BEARING - roller	1
4	33-1924	*SEAL - oil	1
5	33-1162	*O-RING	1
6	33-1163	*RING - seal	1
7	77-1954	*PULLEY (only, 5.0 od)	1
	70-136	KIT - idler repair	1



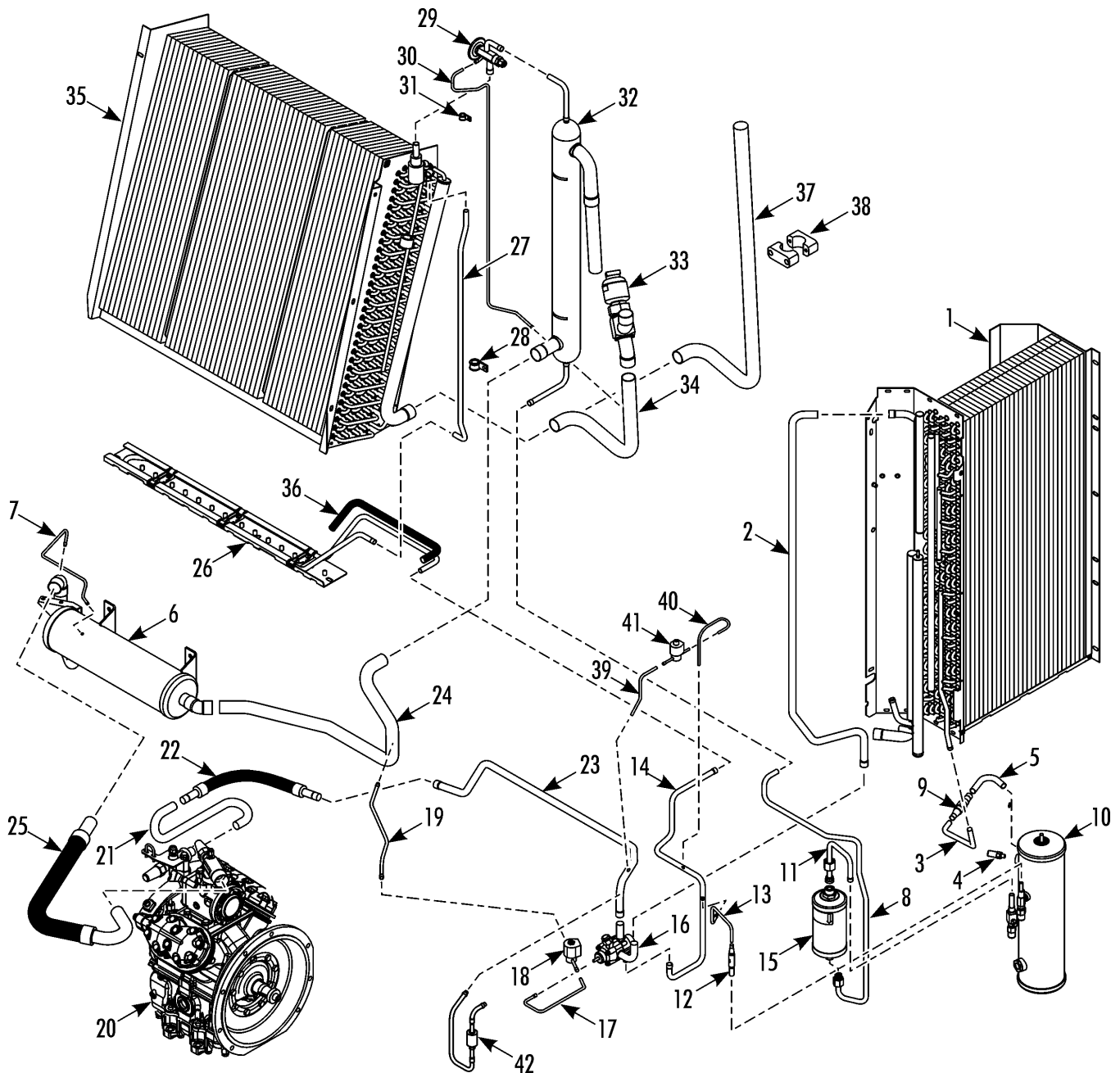
REFRIGERATION COMPONENTS



247F7

Revised
07/15/15

REF	PART NO.	DESCRIPTION	QTY
1	67-2218	COIL - condenser/radiator (SB-130/230, see 250B1)	1
	67-2219	COIL - condenser/radiator (SB-330, see 250B1)	1
2	61-1378	TUBE - 3-way to condenser	1
3	61-1450	TUBE - coil to check valve	1
4	66-7392	VALVE - relief (high pressure)	1
	33-1015	O-RING (#6)	1
5	66-9660	TUBE - valve to tank	1
6	67-1195	TANK - accumulator	1
7	61-2925	*TUBE - accumulator balance	1
	55-529	SCREW - tank	4
	55-375	LOCKWASHER	4
	55-402	FLATWASHER	4
8	66-6389	TUBE - drier to exchanger	1
9	66-5721	VALVE - check	1
10	67-2654	TANK - receiver (see 153A3)	1
11	66-6444	TUBE - receiver to drier	1
12	66-9369	VALVE - check	1
13	61-398	TUBE - check valve to tee	1
14	66-9954	TUBE - hot gas	1
15	61-600	DEHYDRATOR (see 160A4)	1
16	66-8804	VALVE - 3-way (see 139A10)	1
	55-214	SCREW - valve	2
	55-366	LOCKWASHER	2
	55-411	FLATWASHER	2
17	61-3106	TUBE - 3-way to solenoid	1
18	66-7636	VALVE - solenoid	1
	41-1521	*COIL	1
	55-1384	SCREW - solenoid	2
19	61-5042	TUBE - solenoid to suction tube	1
20	NSS	COMPRESSOR - X426 (see compressor grid)	1
	NSS	COMPRESSOR - X430 (see compressor grid)	1
21	66-4987	TUBE - discharge	1
22	66-5784	VIBRASORBER - discharge	1



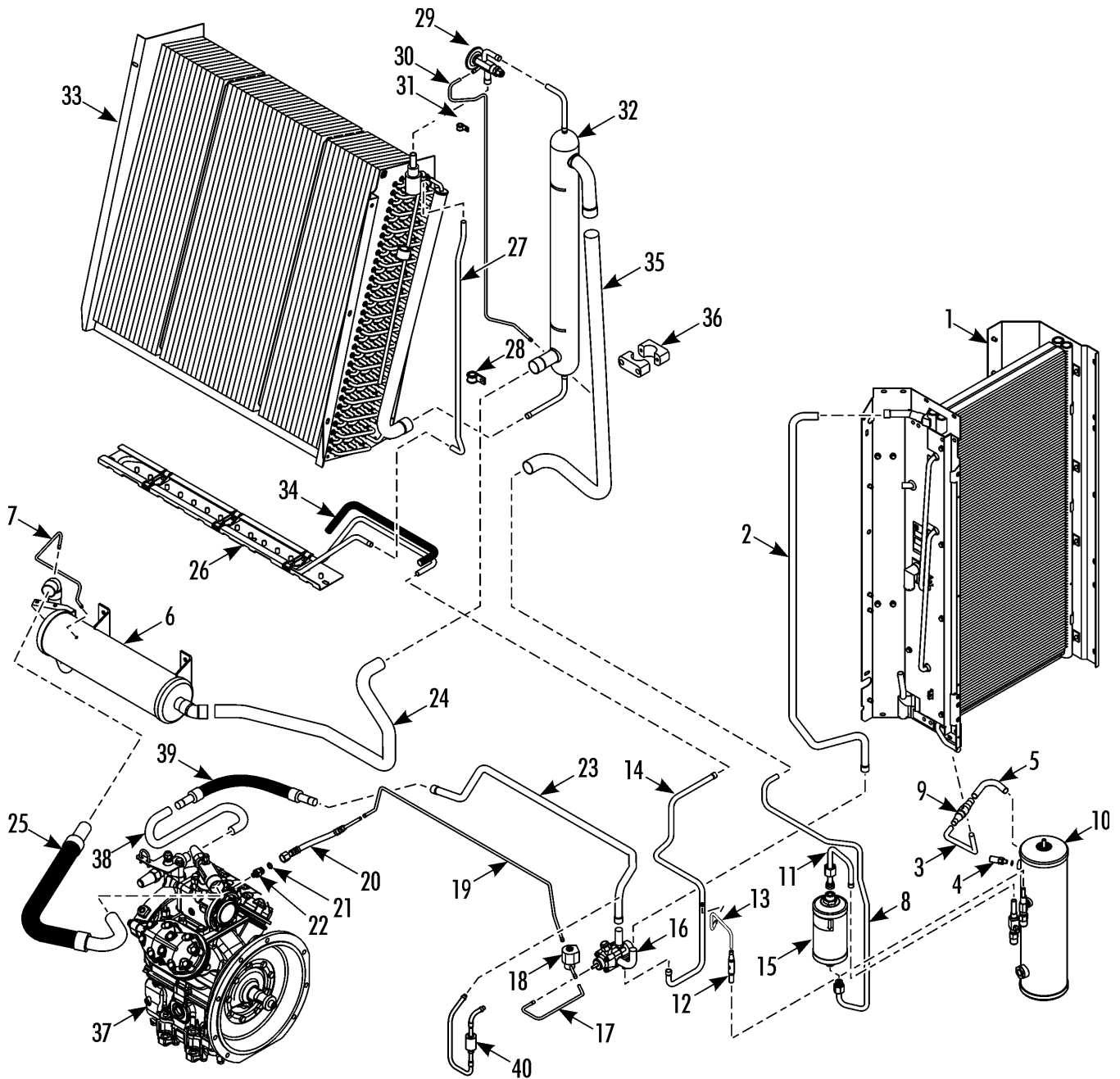
REFRIGERATION COMPONENTS



247F7

Revised
07/15/15

REF	PART NO.	DESCRIPTION	QTY
23	61-1719	TUBE - discharge to 3-way valve (w/fitting for transducer)	1
24	61-3617	TUBE - exchanger to accumulator	1
25	66-6024	VIBRASORBER - suction	1
26	67-2371	DRAIN PAN ASSEMBLY (inc tube)	1
	92-4708	*CLAMP - tube	3
27	61-4305	TUBE - defrost to distributor	1
28	55-2240	CLAMP - defrost tube	3
29	61-6283	VALVE - expansion (ETV)	1
	61-1900	VALVE - expansion (MTV)	1
	66-4453	SCREEN - filter (outlet)	1
	203-428	TAPE - cork	A/R
30	61-1787	TUBE - equalizer	1
31	55-5129	CLAMP - equalizer tube	2
32	67-2212	HEAT EXCHANGER (first tube out)	1
33	61-3764	VALVE - throttling (electronic)	1
	40-947	*KIT - valve repair (incl motor, piston & connector)	1
34	61-1826	TUBE - evaporator to valve	1
35	67-916	COIL - evaporator (SB-130/230)	1
	67-1688	COIL - evaporator (SB-330)	1
	55-2969	SCREW - coil (1.0 in long)	1
	55-3089	SCREW - coil (1.5 in long)	2
	55-2959	LOCKWASHER	2
	55-2958	FLATWASHER	2
36	92-4709	HOSE - sponge	1
37	61-5462	TUBE - evaporator to heat exchanger	1
38	55-6020	CLAMP - tube	1
	55-263	SCREW - clamp	2
	55-411	FLATWASHER	2
	55-366	LOCKWASHER	2
39	66-9718	TUBE - solenoid inlet	1
40	66-9657	TUBE - solenoid outlet	1
41	66-5374	VALVE - hot gas	1
42	60-493	KIT - 3-way valve external condenser pressure by-pass check valve	1



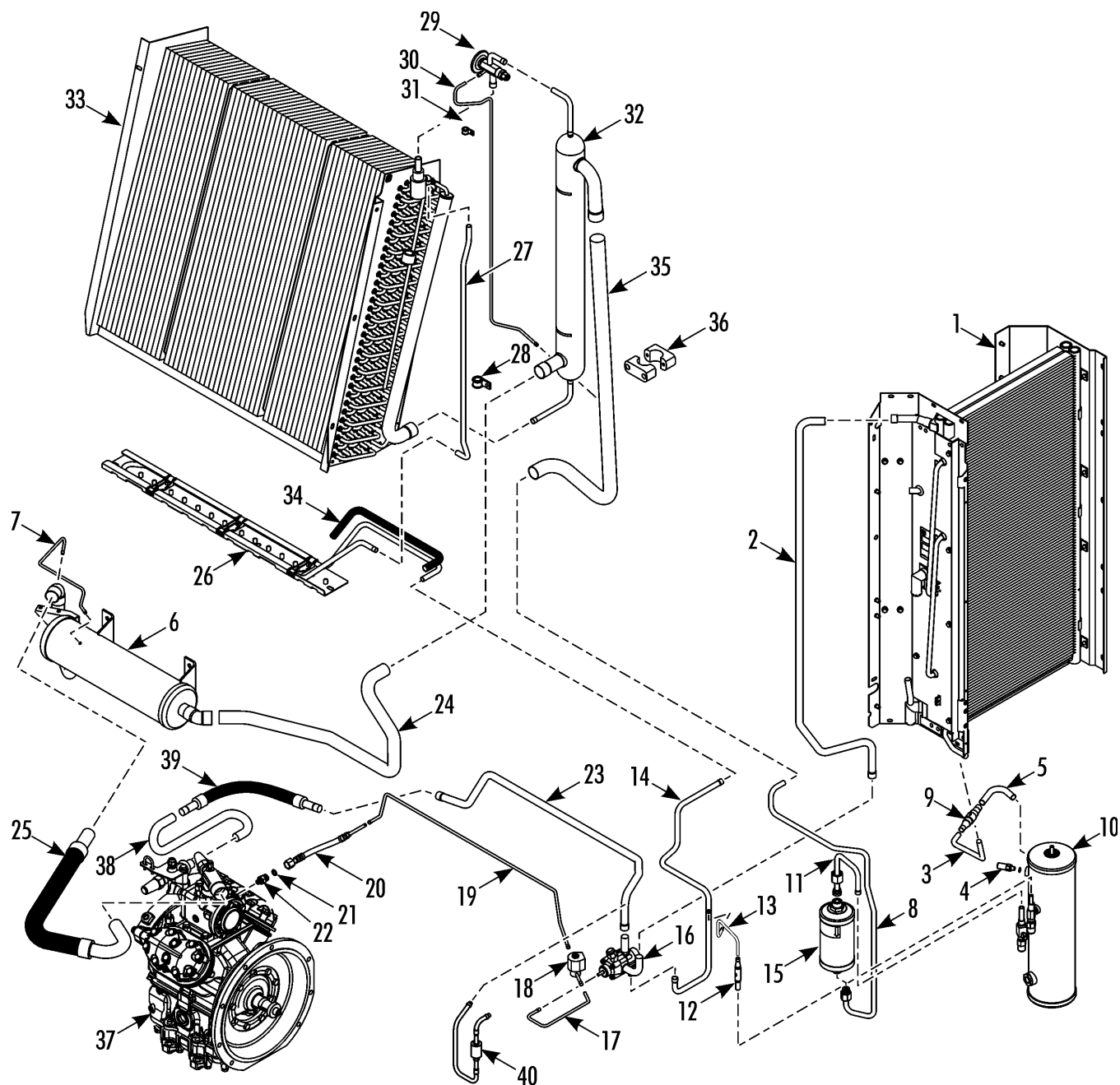
**REFRIGERATION COMPONENTS (12/11 & after,
w/ Micro Channel Coil)**

Revised
07/15/15



259A2

REF	PART NO.	DESCRIPTION	QTY
1	67-2694	COIL - condenser/radiator (SB-130/230, see 259A3)	1
2	61-1378	TUBE - 3-way to condenser	1
3	61-1450	TUBE - coil to check valve	1
4	66-7392	VALVE - relief (high pressure)	1
	33-1015	O-RING (#6)	1
5	66-9660	TUBE - valve to tank	1
6	67-1195	TANK - accumulator	1
7	61-2925	*TUBE - accumulator balance	1
	55-529	SCREW - tank	4
	55-375	LOCKWASHER	4
	55-402	FLATWASHER	4
8	66-6389	TUBE - drier to exchanger	1
9	66-5721	VALVE - check	1
10	67-2654	TANK - receiver (see 153A3)	1
11	66-6444	TUBE - receiver to drier	1
12	66-9369	VALVE - check	1
13	61-398	TUBE - check valve to tee	1
14	66-9954	TUBE - hot gas	1
15	61-600	DEHYDRATOR (see 160A4)	1
16	61-5837	VALVE - 3-way (see 259A5)	1
	55-214	SCREW - valve	2
	55-366	LOCKWASHER	2
	55-411	FLATWASHER	2
17	61-3106	TUBE - 3-way to solenoid	1
18	66-7636	VALVE - solenoid	1
	41-1521	*COIL	1
	55-1384	SCREW - solenoid	2
19	66-9658	TUBE - solenoid to compressor	1
20	61-1831	HOSE - throttling (o-ring)	1
21	33-1461	O-RING (#4)	1
22	66-8928	FITTING - o-ring seal	1
23	61-1902	TUBE - discharge to 3-way valve	1
24	61-3962	TUBE - exchanger to accumulator	1



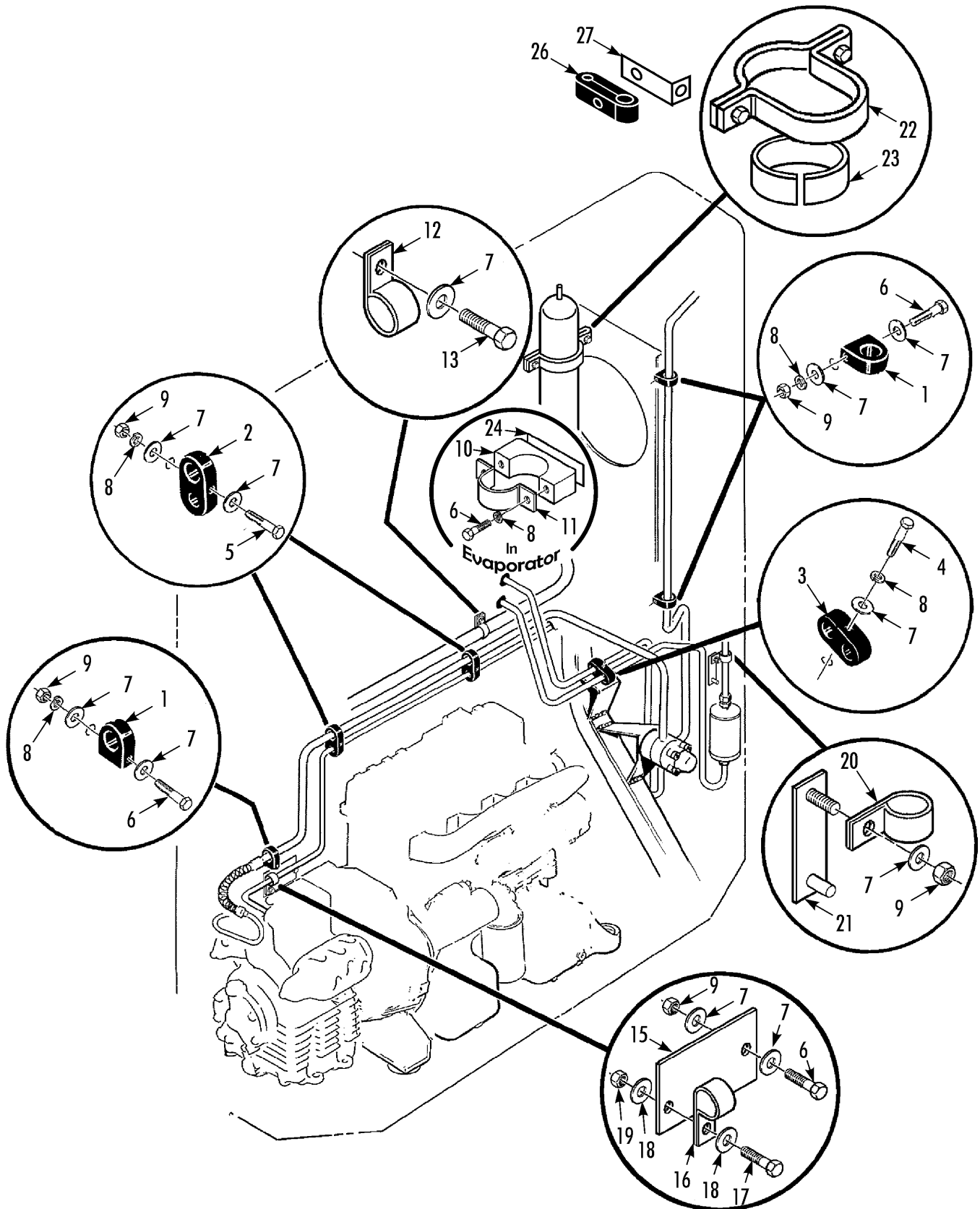
**REFRIGERATION COMPONENTS (12/11 & after,
w/ Micro Channel Coil)**

Revised
07/15/15



259A2

REF	PART NO.	DESCRIPTION	QTY
25	66-6024	VIBRASORBER - suction	1
26	67-2371	DRAIN PAN ASSEMBLY (inc tube)	1
	92-4708	*CLAMP - tube	3
27	61-4305	TUBE - defrost to distributor	1
28	55-2240	CLAMP - defrost tube	3
29	61-1900	VALVE - expansion	1
	66-7169	*ELEMENT	1
	66-4453	SCREEN - filter (outlet)	1
	203-428	TAPE - cork	A/R
30	61-1787	TUBE - equalizer	1
31	55-5129	CLAMP - equalizer tube	2
32	67-2212	HEAT EXCHANGER (first tube out)	1
33	67-916	COIL - evaporator (SB-130/230)	1
	55-2969	SCREW - coil (1.0 in long)	1
	55-3089	SCREW - coil (1.5 in long)	2
	55-2959	LOCKWASHER	2
	55-2958	FLATWASHER	2
34	92-4709	HOSE - sponge	1
35	61-5462	TUBE - evaporator to heat exchanger	1
36	55-6020	CLAMP - tube	1
	55-263	SCREW - clamp	2
	55-411	FLATWASHER	2
	55-366	LOCKWASHER	2
37	NSS	COMPRESSOR - X430 (see 230C4)	1
38	66-4987	TUBE - discharge	1
39	66-5784	VIBRASORBER - discharge	1
40	60-493	KIT - 3-way valve external condenser pressure by-pass check valve	1

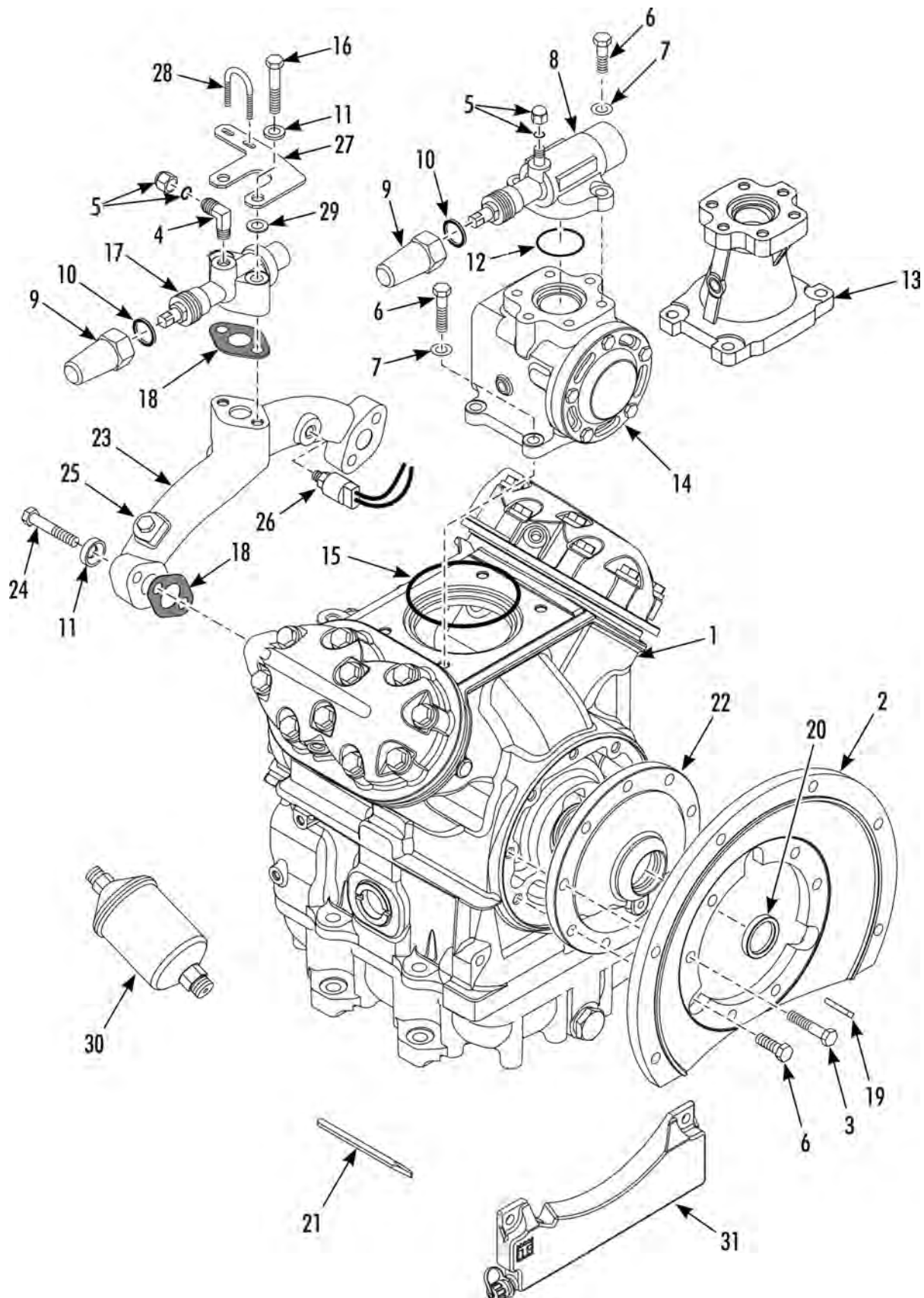


REFRIGERANT HOSE CLAMPS

**90E4**Revised
04/14/15

REF	PART NO.	DESCRIPTION	QTY
1	91-372	CLAMP - tube (3/4 in)	3
2	91-373	CLAMP - tube (3/4 x 1/4)	2
3	91-445	CLAMP (1/2 x 1/2)	1
4	55-5664	SCREW (1/4-20 x 1-1/2)	1
5	55-731	SCREW (1/4-20 x 1-3/4)	2
6	55-3462	SCREW (1/4-20 x 2)	2
7	55-2086	FLATWASHER (1/4)	10
8	55-1800	LOCKWASHER	5
9	55-4118	NUT (1/4-20)	5
10	55-6020	CLAMP (1-3/8)	1
11	91-1748	CLAMP - suction tube	1
12	91-1750	CLAMP - suction	1
13	55-2969	SCREW - clamp	1
14	55-790	LOCKWASHER (1/4)	1
15	91-5667	BRACKET - tube	1
16	55-2536	CLAMP (3/8)	1
17	55-3027	SCREW (#10-32 x 5/8)	1
18	55-2001	FLATWASHER	1
19	55-4560	NUT	1
20	55-3065	CLAMP (1/2)	1
21	91-630	BOLTSTRIP	1
22	91-2689	BRACKET - heat exchanger	2
	91-2655	BRACKET - heat exchanger (SB-210 & 310)	2
23	99-2221	STRIP (neoprene)	A/R
24	91-1779	SPACER	1
25	91-6449	BRACKET - hose connector	1
26	55-6544	CLAMP - tube	2
	55-3000	SCREW - clamp	1
27	92-2673	CLAMP - tube (1/2 x 1/4)	1

NOTE: Units built 4/90 and after.

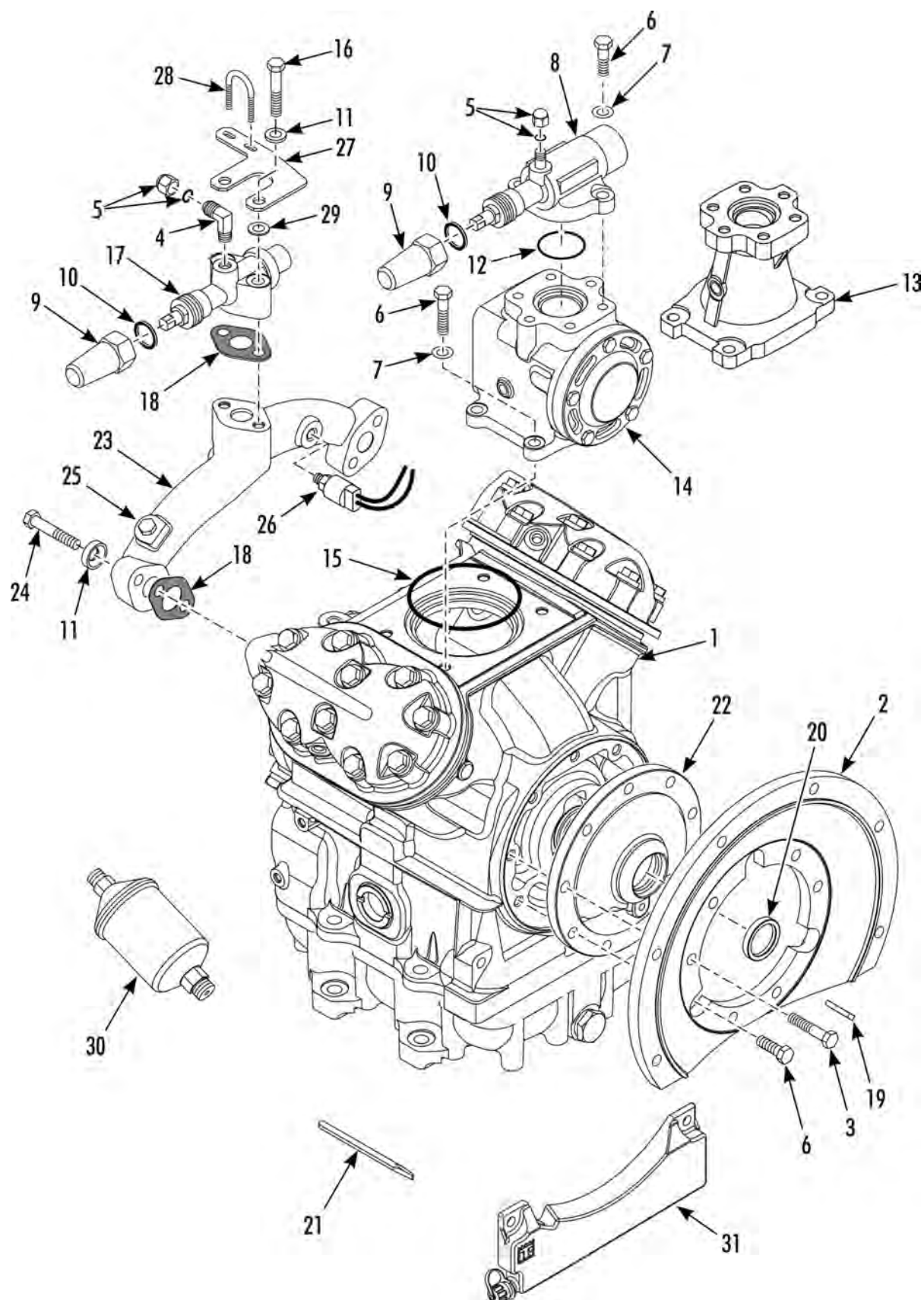


COMPRESSOR GROUP - X430 (LS C5)



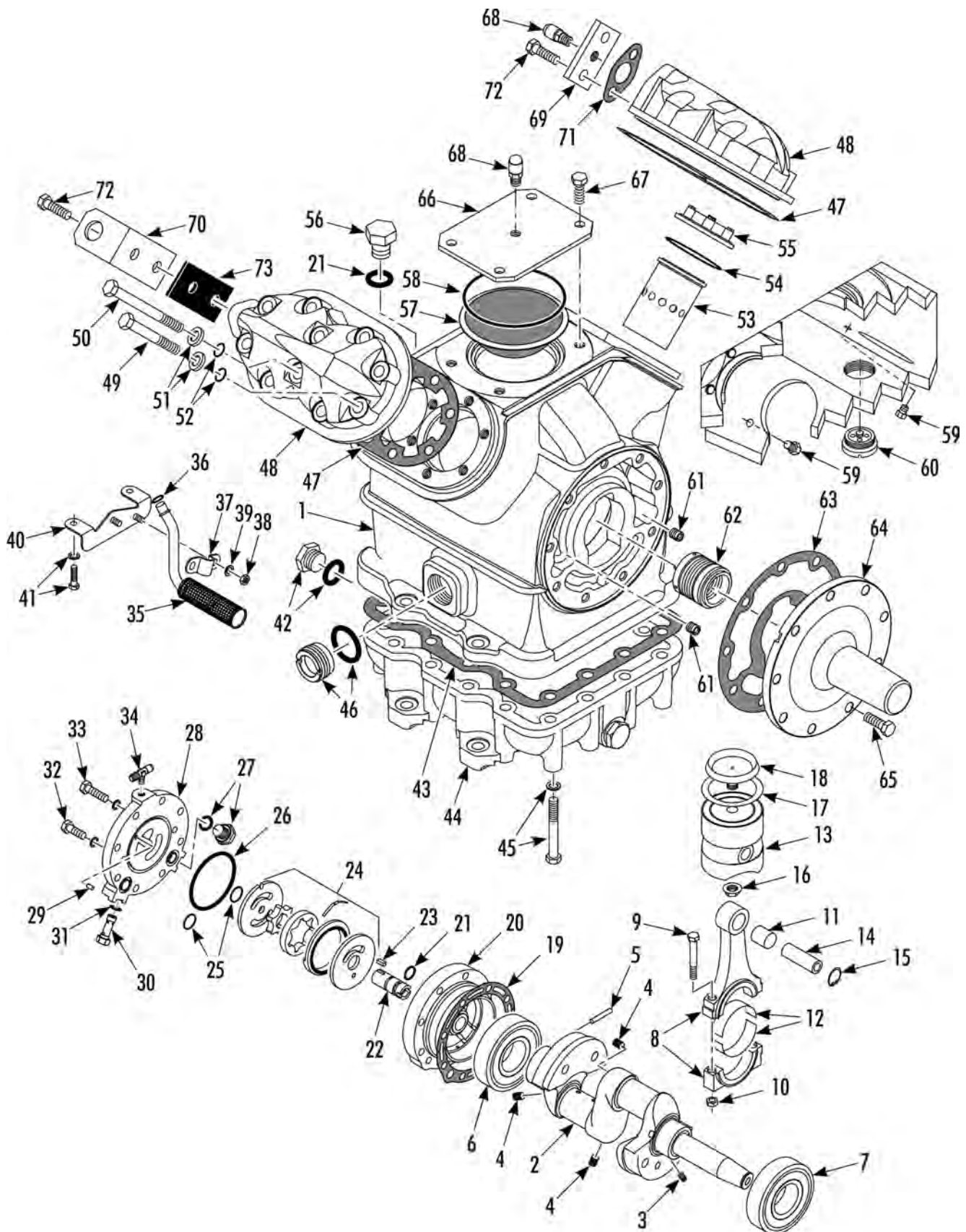
228E4

REF	PART NO.	DESCRIPTION	QTY
1	802-1147	COMPRESSOR - X430 LS C5 (dry, new exchange, see 223C5)	1
2	12-752	FLANGE - compressor (30s)	1
	12-835	FLANGE - compressor (50s)	1
3	55-2306	SCREW - flange	6
	55-896	FLATWASHER	6
4	55-308	ELBOW - test port	1
5	55-1983	CAP - flare	2
	33-768	GASKET - flare	2
6	55-9106	SCREW - valve & cover	5
7	55-896	FLATWASHER	2
8	66-5318	VALVE - suction	1
9	66-3015	*CAP - valve (brass, incl gasket)	1
10	33-350	**GASKET - brass cap	1
11	55-6804	WASHER - sealing	6
12	33-230	O-RING - valve (1.875 id)	1
13	61-6807	ADAPTER - suction valve	1
14	66-5936	VALVE - throttling (50's, 24 psi, see 96A5)	1
	66-5933	VALVE - throttling (30s 27 psi, see 46B14)	1
15	33-1221	O-RING - valve	1
16	55-6822	SCREW - discharge valve	2
17	66-129	VALVE - discharge (incl 9 & 10)	1
18	33-2805	GASKET - valve (service)	3
19	55-9032	KEY - compressor	1
20	33-5061	SEAL - oil	1
21	204-972	TOOL - keyway alignment	1
22	22-1332	COVER - drive end	1
23	22-1275	MANIFOLD - discharge (7/16-20 ports, current units)	1
24	55-6822	SCREW - manifold	4
25	51-1498	PLUG - pipe (7/16 - 20)	1
26	41-6356	SWITCH - hpco	1
	33-4277	GASKET - switch (use with 41-6356 or 51-1498)	2
27	91-9135	BRACKET - discharge tube	1
28	55-5920	U-BOLT	1



COMPRESSOR GROUP - X430 (LS C5)**228E4**Revised
10/21/15

REF	PART NO.	DESCRIPTION	QTY
	55-2752	NUT	2
	55-431	FLATWASHER	2
29	55-1418	WASHER - bracket	2
30	66-7800	FILTER - oil (see 139A2)	1
31	22-1315	BOTTLE - oil collection (see 242D0)	1



COMPRESSOR - X430 LS C5 (w/ external oil filter)



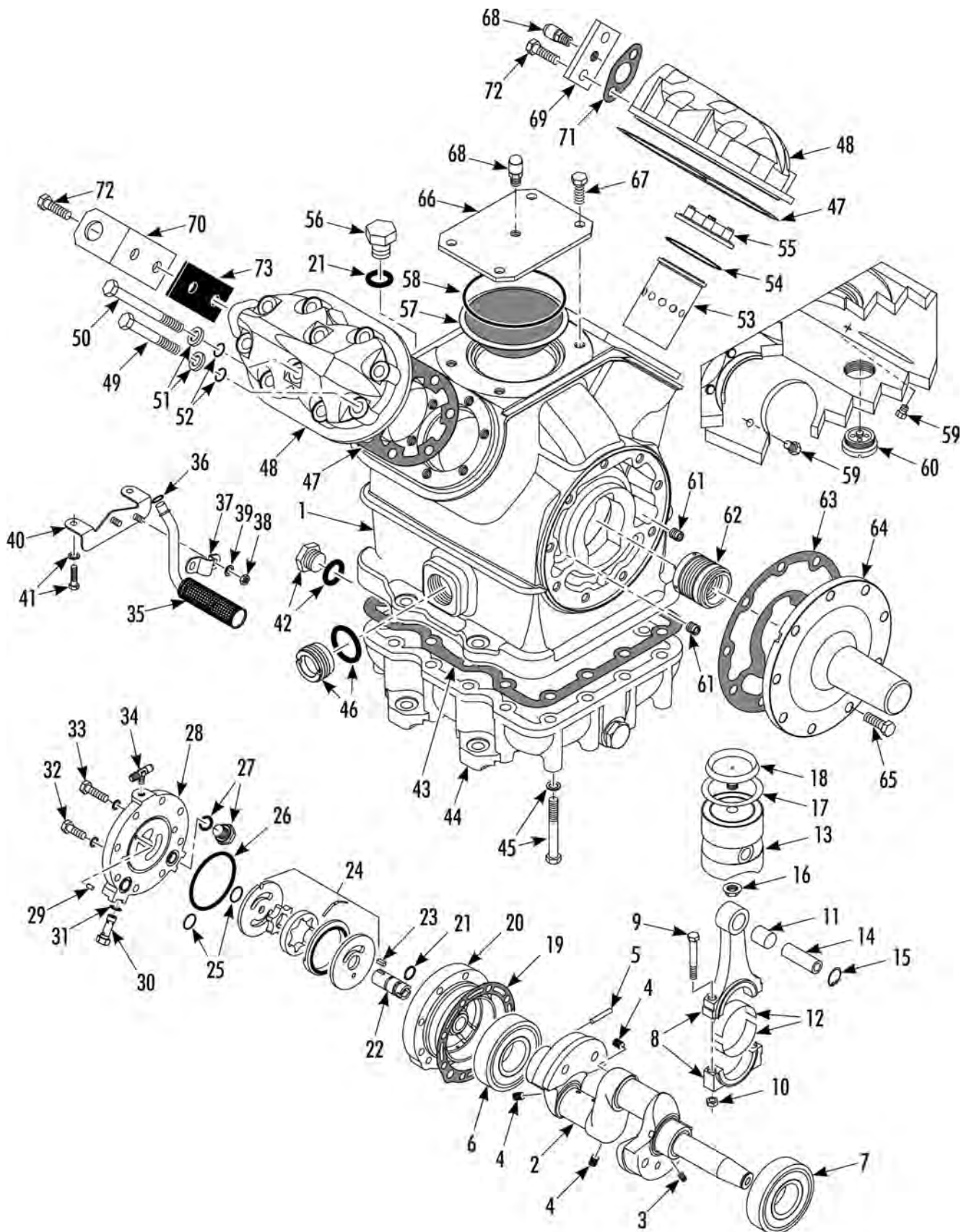
223C5

REF	PART NO.	DESCRIPTION	QTY
	NSS	COMPRESSOR - X430 LS C5 (dry, new exchange, see note)	1
	810-2972	COMPRESSOR - X430 LS C5 (EMEA, reman)	1
1	NSS	*BODY - compressor	1
2	22-1027	*CRANKSHAFT	1
	55-1409	**RIVET - counterweight	A/R
3	22-123	*PLUG - oil metering	1
4	55-4720	*PLUG	3
5	55-4213	*PIN - dowel	1
6	77-169	*BEARING - ball	1
7	77-2872	*BEARING - ball (C5)	1
8	22-639	*ROD - connecting	4
9	55-5062	**BOLT - connecting rod	2
10	51-666	**NUT (12 point)	2
11	11-475	**BUSHING - piston pin	1
12	22-1246	*BEARING SET - connecting rod (standard)	4
	22-1264	*BEARING SET (0.005 us)	4
	22-1265	*BEARING SET (0.010 us)	4
	22-1266	*BEARING SET (0.020 us)	4
	22-1267	*BEARING SET (0.030 us)	4
13	22-850	*PISTON	4
14	NSS	**PIN - piston	4
15	55-2122	**RING - retaining	8
16	51-115	**NUT	1
17	NSS	**REED - piston	1
18	NSS	**HEAD - piston	1
19	33-1549	*GASKET - pump end	1
20	22-1277	*HOUSING - oil pump	1
	55-4210	*PIN - dowel	1
21	33-1223	**O-RING	2
22	22-1149	*SHAFT - oil pump	1
23	55-9760	*KEY - shaft	1
24	22-1160	*PUMP - oil (incl items 21-23)	1
25	33-239	*O-RING	2

NOTE: This compressor does not contain compressor oil. Add one gallon of oil before running compressor. For R404A, R134a & R407C, use 203-513 oil. For R12, R22, R502, R403B, R402A & R401B, use 67-404 oil.

NOTE: For North America units see 272E5 the compressor has been replaced with X430P, internal oil filter.

NOTE: For EMEA/ Europe units see 293E2 the compressor has been replaced with X430P, internal oil filter.



COMPRESSOR - X430 LS C5 (w/ external oil filter)



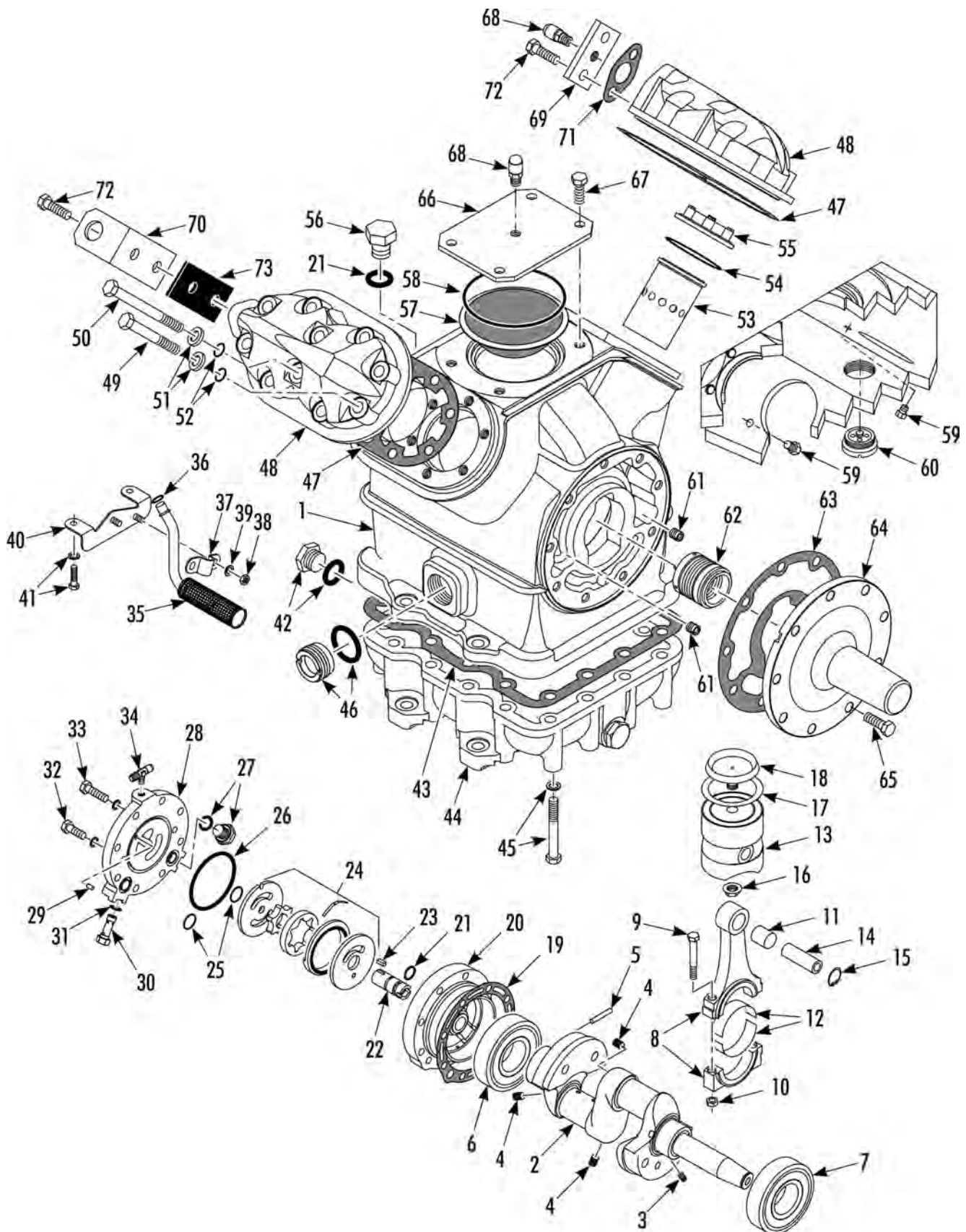
223C5

REF	PART NO.	DESCRIPTION	QTY
26	33-1175	*O-RING	1
27	55-6752	*PLUG - oil pump cover (includes o-ring)	1
	33-2095	*O-RING	4
28	22-1278	*COVER - pump	1
29	55-4211	**PIN - dowel	1
30	22-784	*REGULATOR	1
31	33-672	*O-RING (#10)	1
32	55-681	*SCREW - cover to housing	2
	51-149	*FLATWASHER	2
33	55-183	*SCREW - pump	8
34	11-9001	*VALVE - tee	1
	203-393	*SEALER - thread	A/R
	55-1983	*CAP - valve	1
35	22-611	*SCREEN - oil pickup	1
36	33-2205	*O-RING	1
37	99-4848	*CLAMP - screen	1
38	55-291	*NUT	1
39	55-366	*LOCKWASHER	2
40	93-1486	*BRACKET	1
41	55-165	*SCREW - bracket	2
	55-366	*LOCKWASHER	2
42	55-6751	*PLUG - magnetic	2
	33-2095	*O-RING	2
43	33-2515	*GASKET - oil sump	1
44	22-747	*SUMP - oil (two drain holes)	1
45	55-1417	*SCREW - oil sump	16
	55-896	*FLATWASHER	16
46	22-350	*SIGHT GLASS (does not include o-ring)	3
	33-822	*O-RING	3
47	33-2552	*GASKET - cylinder head	2
48	22-789	*HEAD - cylinder	2
49	55-6805	*SCREW (2 in lg)	12
50	55-6806	*SCREW (2-5/8 in lg)	8

NOTE: This compressor does not contain compressor oil. Add one gallon of oil before running compressor. For R404A, R134a & R407C, use 203-513 oil. For R12, R22, R502, R403B, R402A & R401B, use 67-404 oil.

NOTE: For North America units see 272E5 the compressor has been replaced with X430P, internal oil filter.

NOTE: For EMEA/ Europe units see 293E2 the compressor has been replaced with X430P, internal oil filter.



COMPRESSOR - X430 LS C5 (w/ external oil filter)



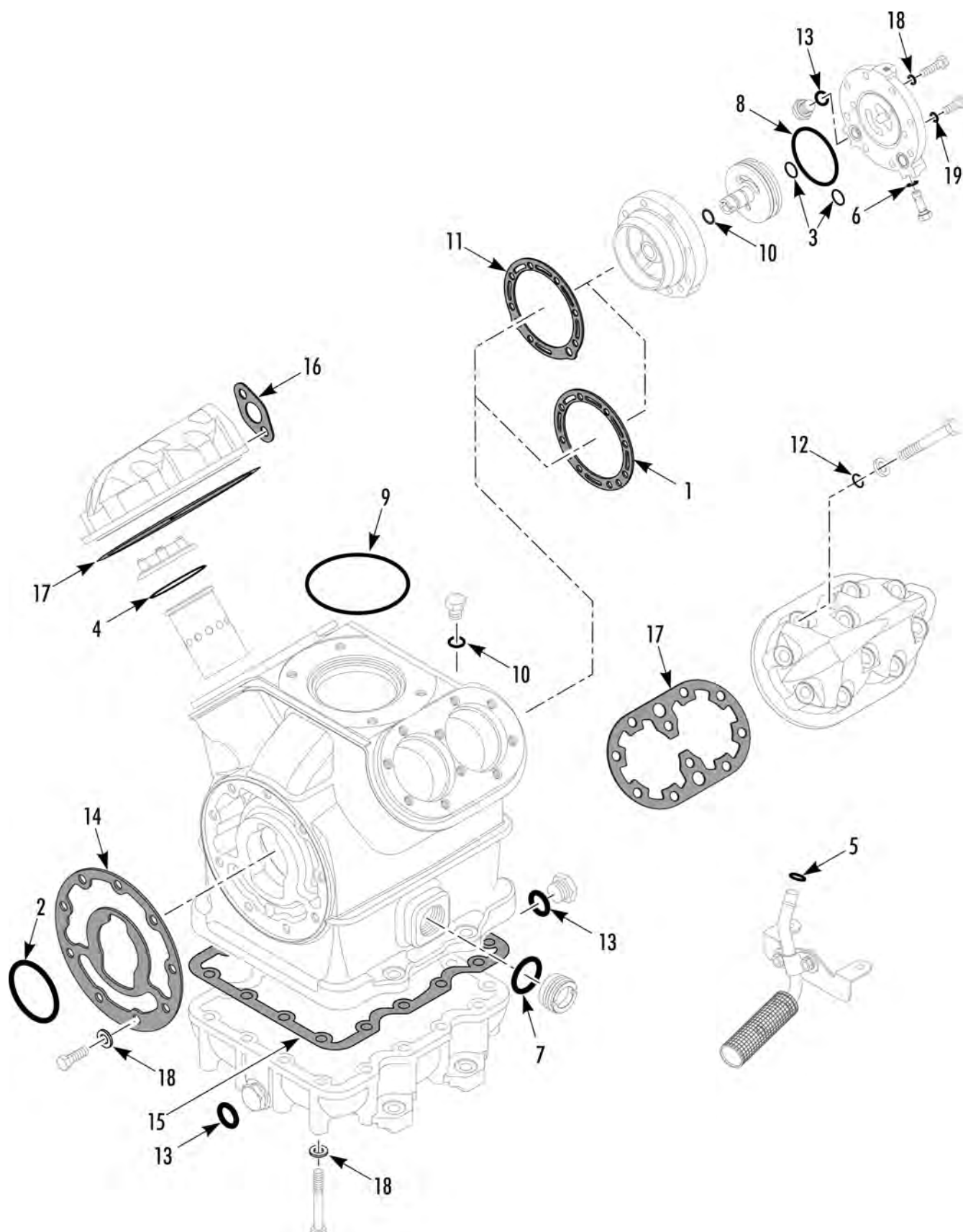
223C5

REF	PART NO.	DESCRIPTION	QTY
51	55-6804	*WASHER - sealing	20
52	33-2019	*O-RING	20
53	22-656	*SLEEVE - cylinder	4
54	33-408	*O-RING	4
55	22-990	*PLATE - valve	4
56	55-6750	*PLUG - oil fill	1
	66-8043	*PLUG - oil fill (use with compr oil filter tube)	1
57	22-306	*SCREEN - suction	1
58	33-1221	*O-RING	1
59	22-653	*VALVE - check	2
60	22-787	*VALVE - check (oil return)	1
61	22-568	*VALVE - check	2
62	22-1101	*SEAL - crankshaft (for 1-3/16 dia crankshaft)	1
63	33-2513	*GASKET - drive end	1
64	22-671	*PLATE - crankshaft cover	1
65	55-9106	*SCREW - housing	9
	55-896	*FLATWASHER	9
66	99-6545	*PLATE - suction inlet	1
67	55-329	*SCREW - plate	4
68	11-2886	**VALVE (Schrader)	2
	11-7777	**CORE - valve	2
	55-5672	*CAP - valve	2
69	91-5630	*PLATE - cover	2
70	91-9858	*PLATE - cover (w/ lifting hole)	1
71	33-2805	*GASKET - valve (service)	1
72	55-329	*SCREW - plate	4
73	33-3103	*GASKET - manifold	2
	203-513	*OIL - compressor (use w/ R134a, R404A)	A/R
	67-404	OIL - compressor (R12, R22, R502, R403B, R402A & R401B)	A/R
	30-243	KIT - gasket	1

NOTE: This compressor does not contain compressor oil. Add one gallon of oil before running compressor. For R404A, R134a & R407C, use 203-513 oil. For R12, R22, R502, R403B, R402A & R401B, use 67-404 oil.

NOTE: For North America units see 272E5 the compressor has been replaced with X430P, internal oil filter.

NOTE: For EMEA/ Europe units see 293E2 the compressor has been replaced with X430P, internal oil filter.



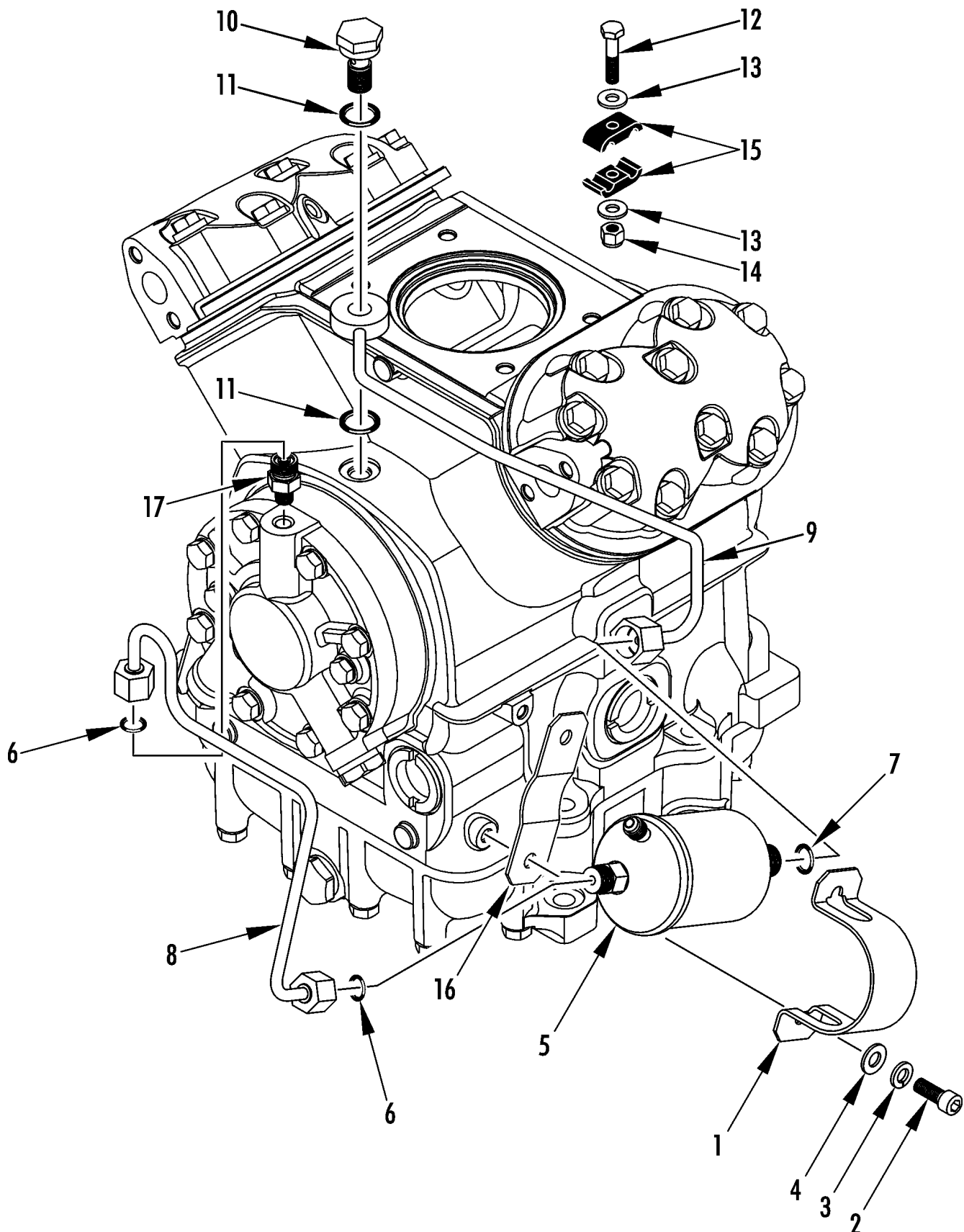
Revised
10/12/15

COMPRESSOR GASKET SET (30-243, X426 & X430)



131F1

REF	PART NO.	DESCRIPTION	QTY
	30-243	KIT - gasket	1
1	33-110	*GASKET - pump housing (X426)	1
2	33-235	*O-RING - dust seal	1
3	33-239	*O-RING - oil galley	2
4	33-408	*O-RING - cylinder sleeve	4
5	33-2205	*O-RING - oil pickup tube	1
6	33-672	*O-RING (#10)	1
7	33-822	*O-RING - sight glass	3
8	33-1175	*O-RING - oil pump cover	1
9	33-1221	*O-RING - throttling valve	1
10	33-1223	*O-RING - oil pump & oil fill	2
11	33-5217	*GASKET - pump housing (X430)	1
12	33-2019	*O-RING - cylinder head screw	24
13	33-2095	*O-RING - oil pump plug & drain plug	3
14	33-2513	*GASKET - drive plate	1
15	33-2515	*GASKET - oil sump	1
16	33-2805	*GASKET - valve (service)	2
17	33-2552	*GASKET - cylinder head	2
18	55-896	*WASHER - compressor seal (3/8)	A/R
19	55-895	*WASHER - oil pump	2



Revised
07/10/15

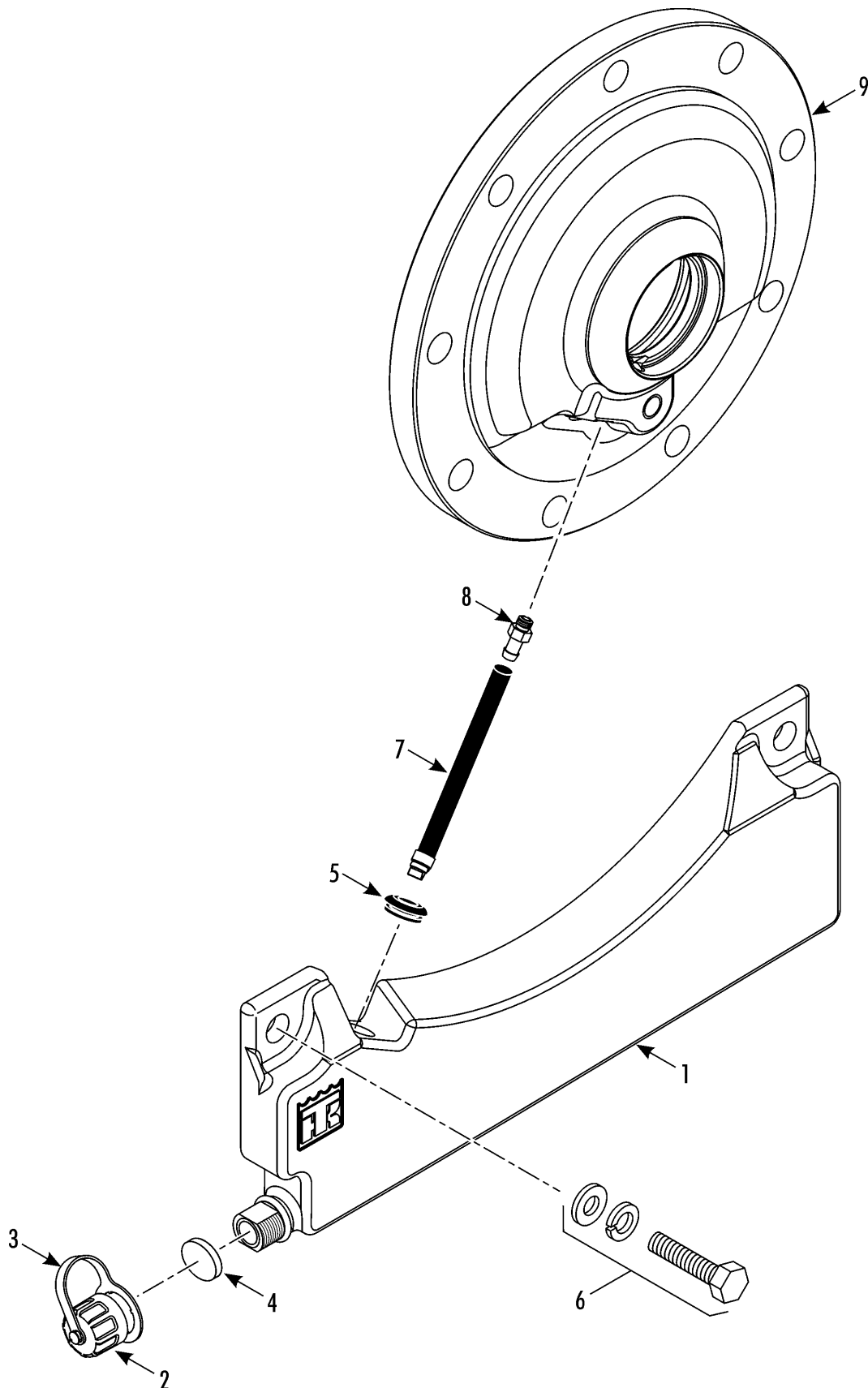
COMPRESSOR OIL FILTER (R404A)



139A2

REF	PART NO.	DESCRIPTION	QTY
1	92-1893	BRACKET - filter	1
2	55-8848	SCREW - clamp	2
3	55-790	LOCKWASHER	3
4	55-371	FLATWASHER	4
5	66-7800	FILTER - oil	1
6	33-1461	O-RING (#4)	2
7	33-1015	O-RING (#6)	1
8	61-1454	TUBE - compressor to filter (X430)	1
	61-2240	TUBE - compressor to filter (X426)	1
9	61-1453	TUBE - filter to compressor	1
10	66-8043	ADAPTER - compressor	1
11	33-1223	O-RING (9/16)	2
12	55-544	SCREW - clamp	1
13	55-411	FLATWASHER	2
14	55-4118	NUT	1
15	55-7119	CLAMP (2 tube)	2
16	91-8080	BRACKET - filter	1
	92-7519	KIT - oil filter bracket (see note)	1
17	66-8928	ADAPTER	1

NOTE: See Kit Bulletin 92-7519 if remanufactured compressor body does not have oil filter bracket mounting holes.



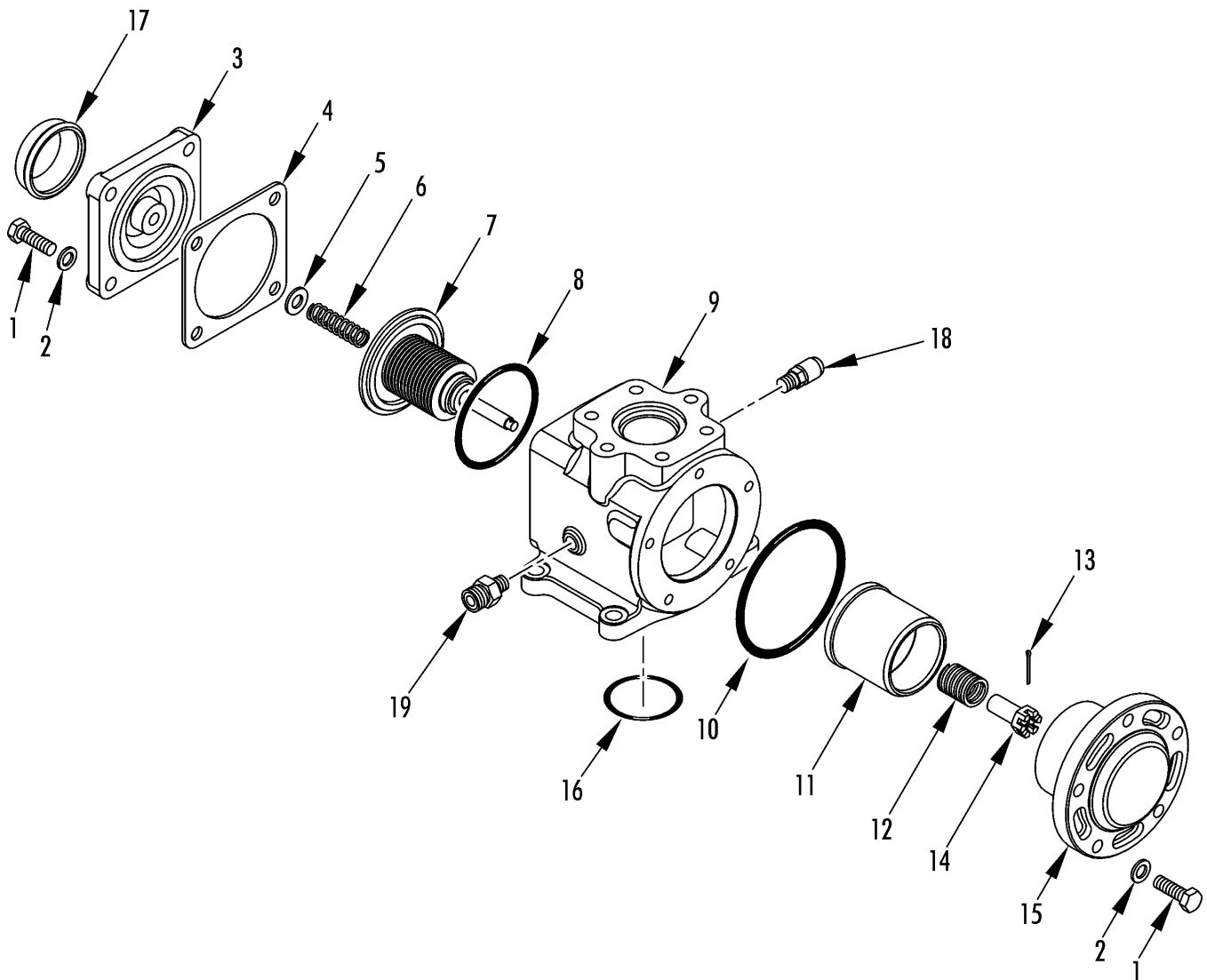
Revised
09/30/14

COMPRESSOR OIL BOTTLE



242D0

REF	PART NO.	DESCRIPTION	QTY
1	22-1315	BOTTLE - oil collection	1
2	22-1328	*CAP - bottle	1
3	51-2020	*TETHER - cap	1
4	51-2021	*WASHER - sealing	1
5	33-4631	*GROMMET	1
6	55-145	SCREW - tank	2
	55-366	LOCKWASHER	2
	55-411	FLATWASHER	2
7	22-1329	TUBE - oil	1
	22-1374	TUBE - oil (with check valve)	1
8	22-1042	FITTING - barb	1
9	22-1332	COVER - drive end (before 2/14, X430 LS)	1
	12-1045	COVER - drive end (2/14 & after, X430P)	1

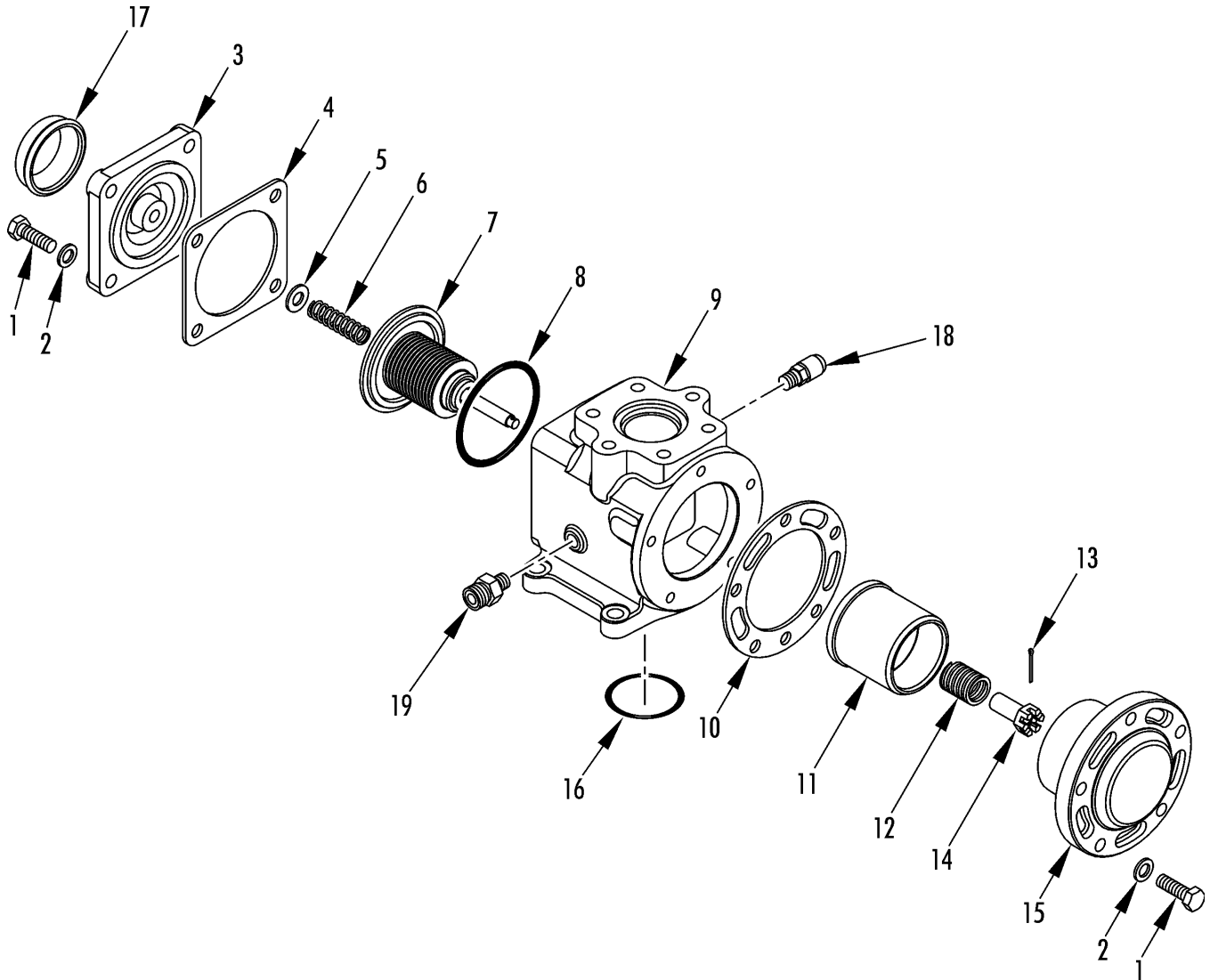


THROTTLING VALVE ASSEMBLY



46B14

REF	PART NO.	DESCRIPTION	QTY
	66-5933	VALVE - throttling (27 psi)	1
1	55-2969	*SCREW - plate	9
2	55-371	*FLATWASHER	9
3	61-4257	*PLATE - bellows	1
4	33-123	*GASKET - end plate	1
5	66-157	*WASHER - adjusting	A/R
6	66-9147	*SPRING - bellows	1
7	60-298	*KIT - repair, bellows (throttling valve)	1
8	33-408	*O-RING	1
9	61-5339	*HOUSING - valve	1
10	33-2524	*O-RING - piston housing (current units)	1
	33-143	*GASKET - piston housing (early units)	1
11	22-740	*PISTON	1
12	66-176	*SPRING - piston	1
13	55-585	*PIN - cotter	1
14	66-116	*NUT - adjusting	1
15	66-1388	*HOUSING - piston	1
16	33-1221	O-RING - valve to compressor	1
	55-402	FLATWASHER	4
	55-9106	SCREW - housing	4
17	66-3612	CAP - valve (rubber, R502)	1
18	11-2886	*VALVE (Schrader)	1
	11-7777	**CORE - valve	1
	55-7213	**BODY - valve (brass)	1
	55-5672	**CAP	1
19	66-8928	*ADAPTER (o-ring seal)	1
	33-1461	**O-RING (#4)	1
	66-9387	*CAP	1
	203-393	*SEALANT	A/R



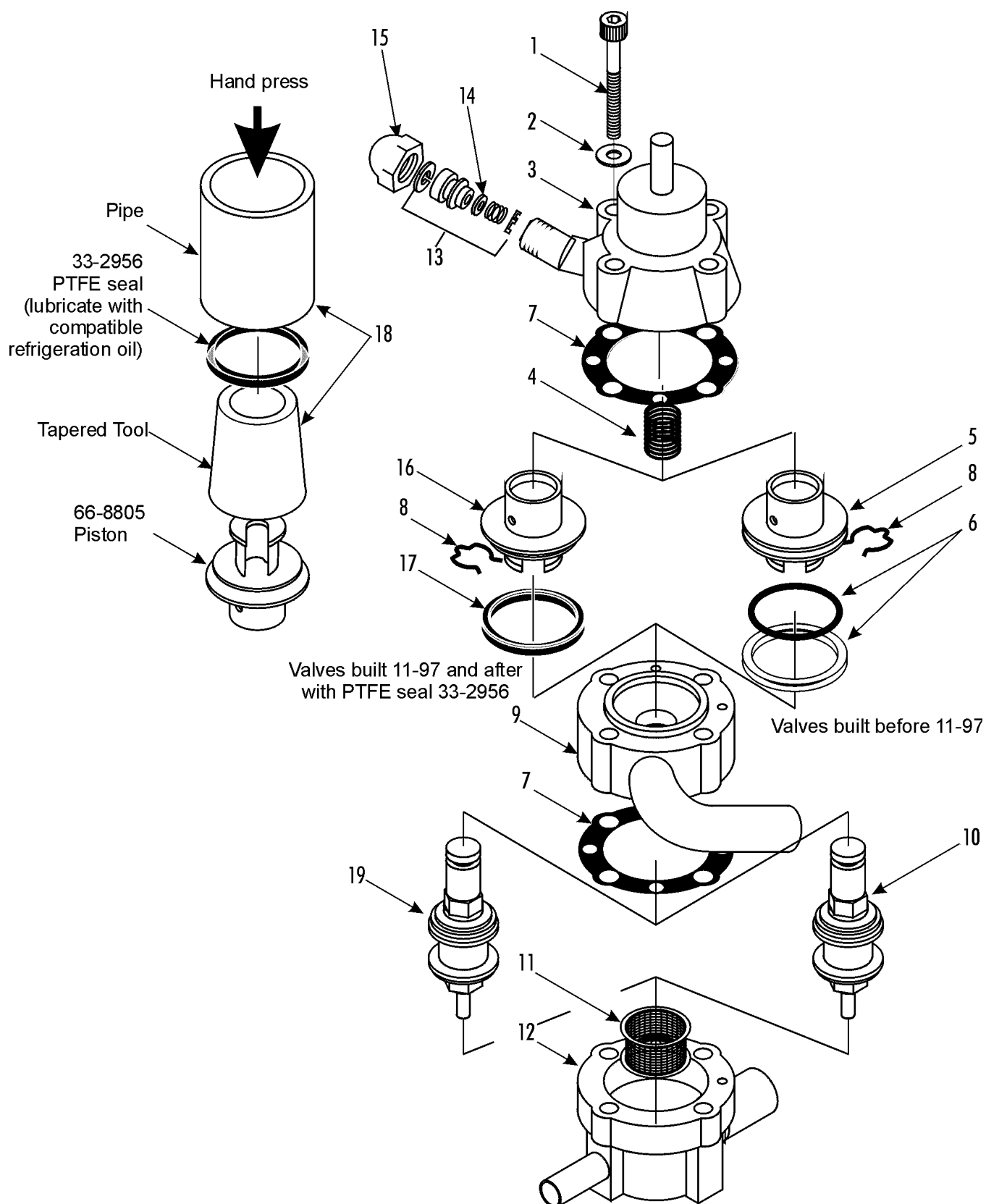
THROTTLING VALVE ASSEMBLY



96A5

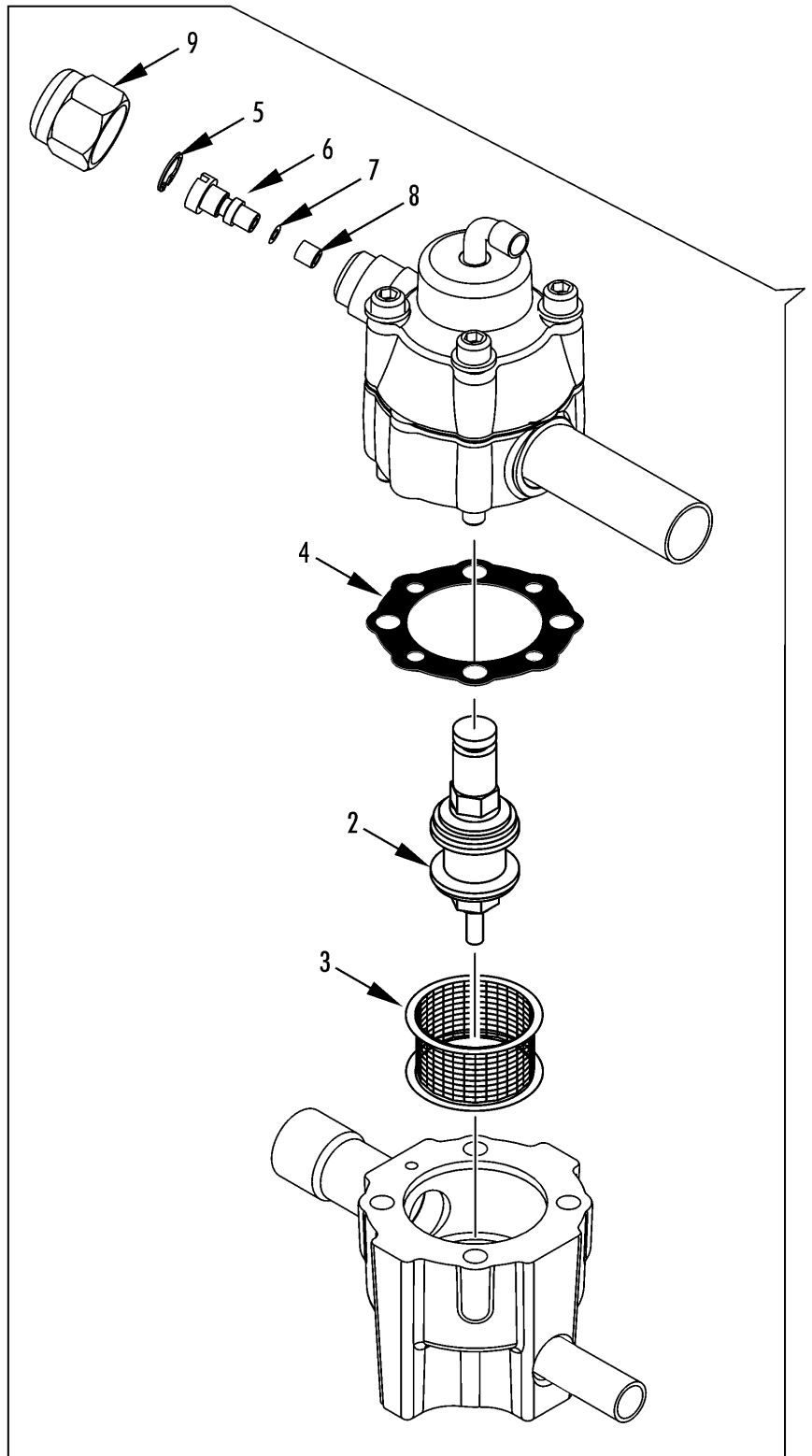
Revised
07/15/15

REF	PART NO.	DESCRIPTION	QTY
	66-5936	VALVE - throttling (23-25 psi)	1
	66-5935	VALVE - throttling (24-26 psi)	1
1	55-2969	*SCREW - plate	9
2	55-371	*FLATWASHER	9
3	61-4257	*PLATE - cover	1
4	33-123	*GASKET - end plate	1
5	66-157	*WASHER - adjusting	3-5
6	66-5959	*SPRING - bellows	1
7	60-298	*KIT - repair, bellows (throttling valve)	1
8	33-408	*O-RING	1
9	61-5339	*HOUSING - valve	1
10	33-143	*GASKET - piston housing (use with 66-5958 housing)	1
	33-2524	*O-RING (use with 61-3967 housing)	1
11	22-740	*PISTON	1
12	66-176	*SPRING - piston	1
13	55-585	*PIN - cotter	1
14	66-116	*NUT - adjusting	1
15	66-1388	*HOUSING - piston	1
	55-9106	SCREW - housing	4
	55-896	FLATWASHER	4
16	33-1221	O-RING - valve to compressor	1
17	66-3612	CAP - valve (rubber, R502)	1
18	11-2886	VALVE (Schrader)	1
	11-7777	*CORE - valve	1
	55-5672	*CAP	1
	55-7213	*BODY	1
19	66-8928	ADAPTER (o-ring seal)	1
	66-9387	CAP	1
	33-1461	O-RING (#4)	1
	203-393	SEALER - thread	A/R





REF	PART NO.	DESCRIPTION	QTY
	66-8804	VALVE - 3-way (assembly)	1
1	55-8609	*SCREW	4
2	55-8610	*FLATWASHER	4
3	61-3597	*CAP - top (incl 2, 13 & 14)	1
4	61-3015	*SPRING - piston	1
5	60-301	*KIT - piston & seal	1
6	30-171	*KIT - piston seal	1
7	33-3538	*GASKET	2
8	99-6384	*CLIP	1
9	66-4204	*SEAT - assembly	1
10	NSS	*STEM - assembly (incl in kit)	1
	60-300	KIT - valve repair	1
11	60-147	*FILTER	1
12	66-1889	*CAP - bottom	1
13	60-163	*KIT - valve repair (incl 13)	1
14	33-1124	*O-RING	1
15	55-621	*CAP	1
16	NSS	*PISTON	1
17	33-2956	*SEAL - piston (PTFE)	1
18	204-1008	TOOL - 3-way valve	1
19	60-244	KIT - valve repair (incl 6, 7, 10 & 17, 11/97 & after)	1



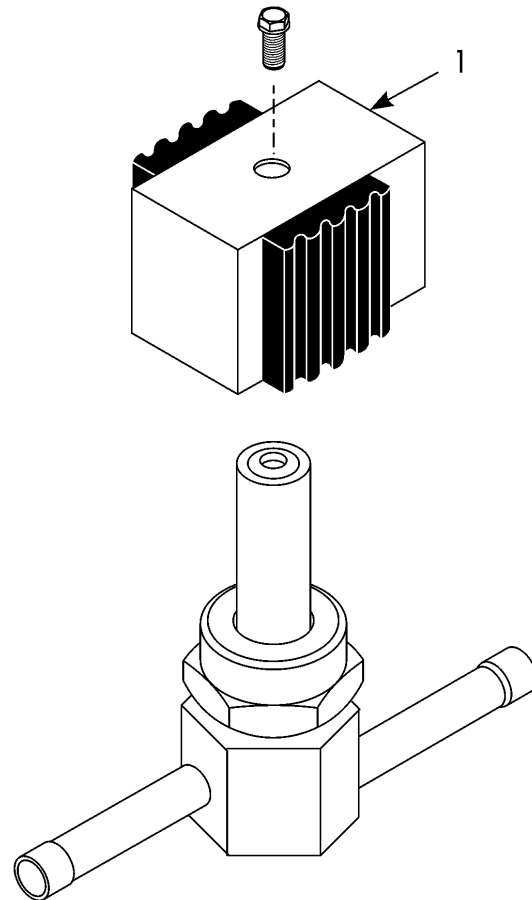
3-WAY VALVE ASSEMBLY (4/10 & after)



259A5

Revised
12/09/11

REF	PART NO.	DESCRIPTION	QTY
1	61-5837	VALVE - 3-way	1
2	60-300	*KIT - valve repair	1
3	60-147	**FILTER	1
4	33-3538	*GASKET	1
5	55-5415	**RING - retaining	1
6	61-5777	**VALVE - check (reverse flow)	1
7	33-1124	**O-RING	1
8	61-5778	**STEM	1
9	55-621	*CAP	1



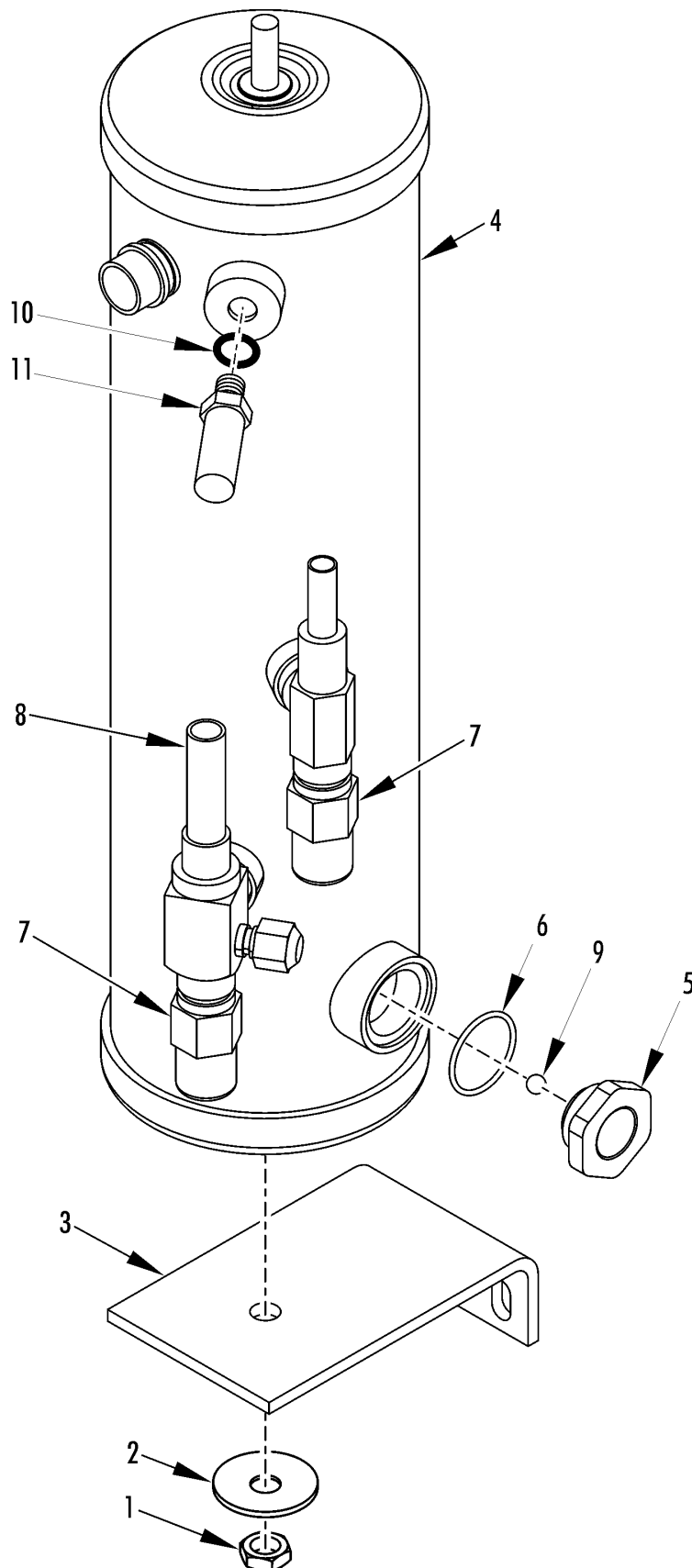
SOLENOID VALVE ASSEMBLY



138A7

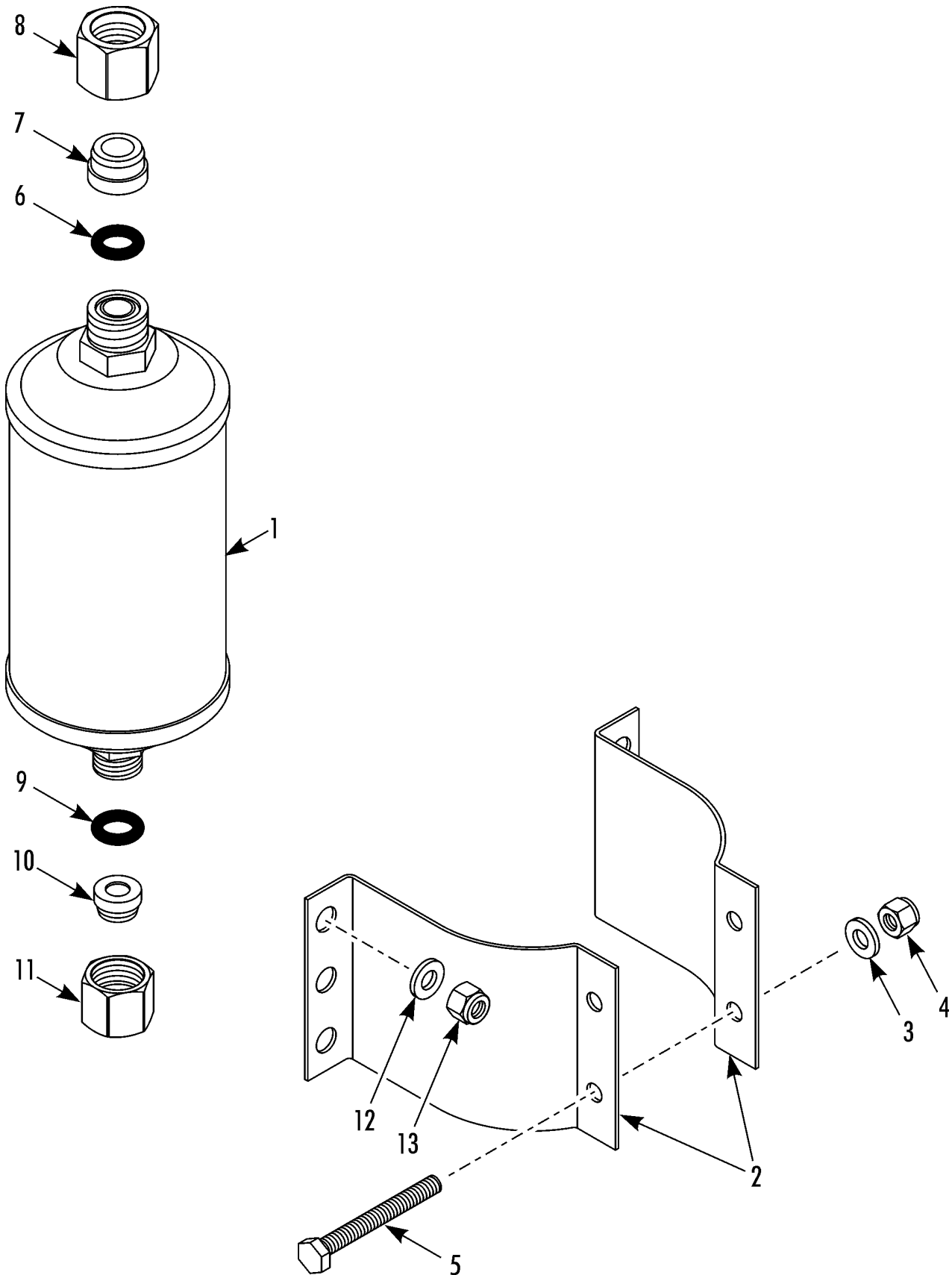
Revised
06/04/14

REF	PART NO.	DESCRIPTION	QTY
	66-5374	VALVE - solenoid (normally closed)	1
1	41-3681	*COIL (12VDC)	1



RECEIVER TANK GROUP (w/ RELIEF VALVE)**153A3**Revised
06/02/15

REF	PART NO.	DESCRIPTION	QTY
1	55-5078	NUT	2
2	51-192	WASHER - special	1
	55-402	FLATWASHER	1
3	91-371	BRACKET - tank	1
	55-4967	NUT	2
	55-371	FLATWASHER	2
4	67-2654	TANK - receiver	1
5	66-6827	*INDICATOR - liquid (before 1/00)	1
	66-9918	*INDICATOR - liquid (incl ball, 1/00 & after)	1
6	33-2419	*O-RING - indicator	1
7	66-343	*CAP - valve	2
	55-581	*WASHER (copper)	2
8	66-2299	*TUBE	1
9	66-9257	*BALL (before 1/00)	1
10	33-1015	O-RING (#6)	1
11	66-7392	VALVE - relief (high pressure)	1



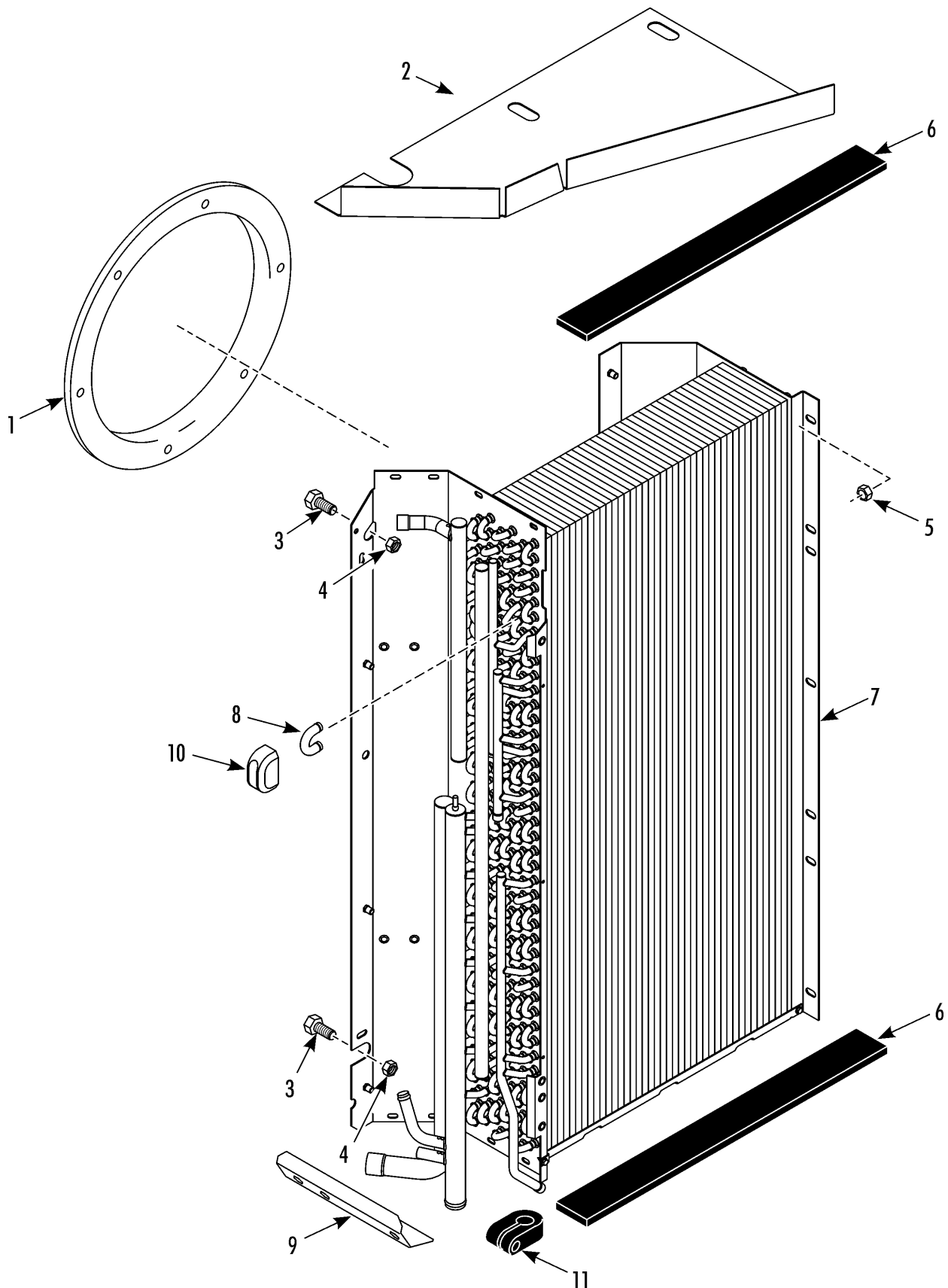
Revised
07/15/15

DEHYDRATOR GROUP



160A4

REF	PART NO.	DESCRIPTION	QTY
1	61-600	DEHYDRATOR (incl o-rings, items 6 & 9)	1
2	99-1617	CLAMP - drier	2
3	55-411	FLATWASHER	4
4	55-4118	NUT	2
5	55-6210	SCREW - clamp	2
6	33-566	O-RING (#8)	1
7	55-9216	SHOULDER (o-ring seal)	1
8	55-9215	NUT (1/2)	1
9	33-2115	O-RING (#10)	1
10	55-8951	SHOULDER - o-ring seal	1
11	55-8950	NUT (5/8)	1
12	55-371	FLATWASHER	4
13	55-4967	NUT	4





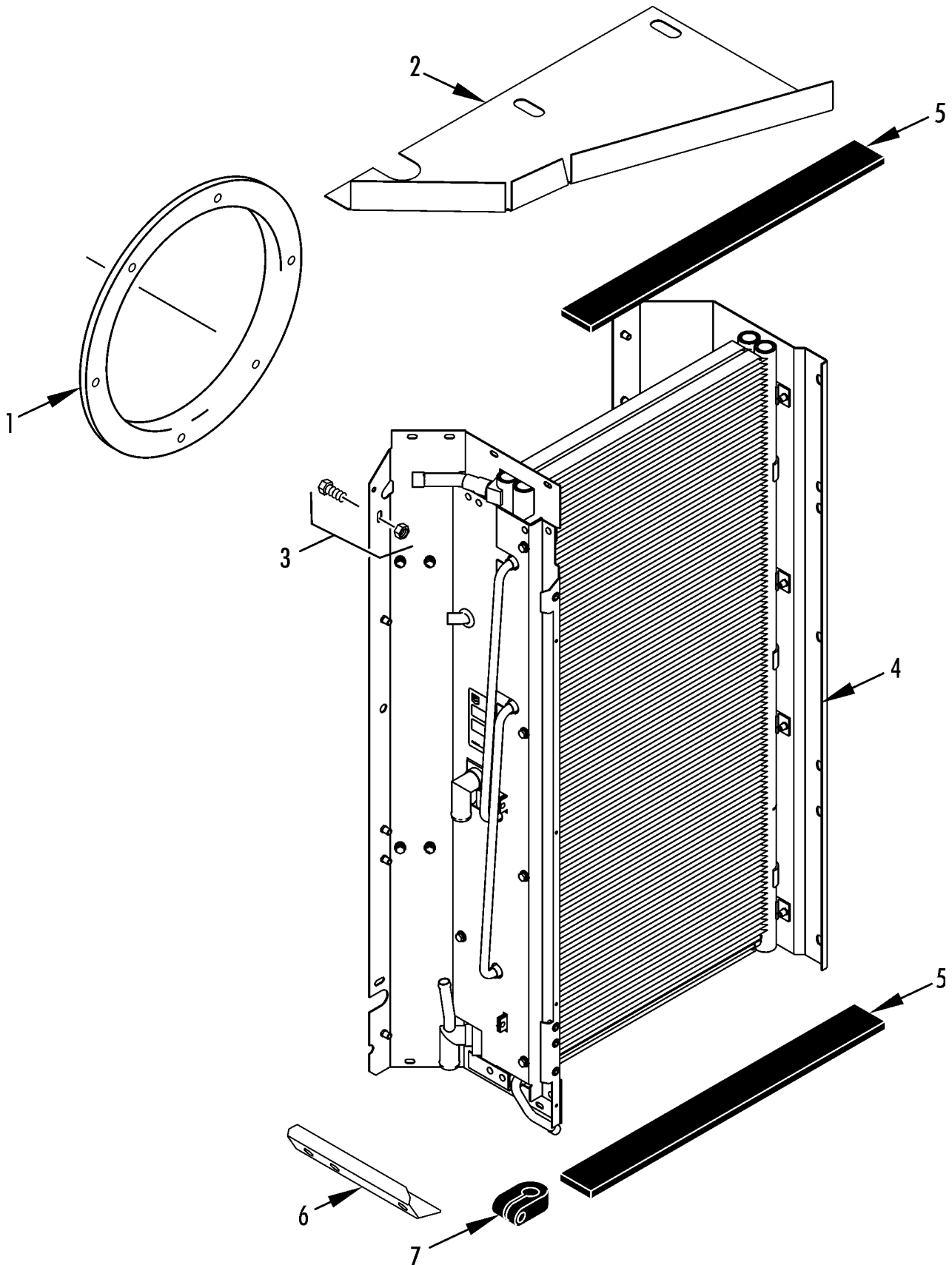
REF	PART NO.	DESCRIPTION	QTY
1	98-2804	SPINNING - condenser	1
	55-538	SCREW - spinning	6
	55-405	WASHER - dome	6
	55-4974	NUT - captive	6
2	92-1241	SHIELD - condenser coil	1
3	55-145	SCREW - coil	25
	55-366	LOCKWASHER	18
	55-411	FLATWASHER	34
4	55-4118	NUT	8
	55-8711	INSERT	18
5	55-4967	NUT - coil	7
	55-371	FLATWASHER	7
6	92-4462	SEAL - coil	2
7	67-2218	COIL - condenser/radiator (SB-130/230)	1
	67-2219	COIL - condenser/radiator (SB-330)	1
8	67-2147	*TUBE - return bend	A/R
9	92-1774	BRACKET - header tube	1
	55-145	SCREW - shield	2
	55-411	FLATWASHER	4
	55-4118	NUT	2
10	92-8158	BLOCK - support (return bend)	A/R
	92-3329	BLOCK - support (return bend)	A/R
11	55-6389	CLAMP - tube	2
	55-544	SCREW - clamp	2
	55-411	FLATWASHER	2
	55-366	LOCKWASHER	2
	55-8711	INSERT - threaded	2

259A3



**CONDENSER/RADIATOR MOUNTING (12/11 &
after, w/ Micro Channel Coil)**

Revised
08/02/12



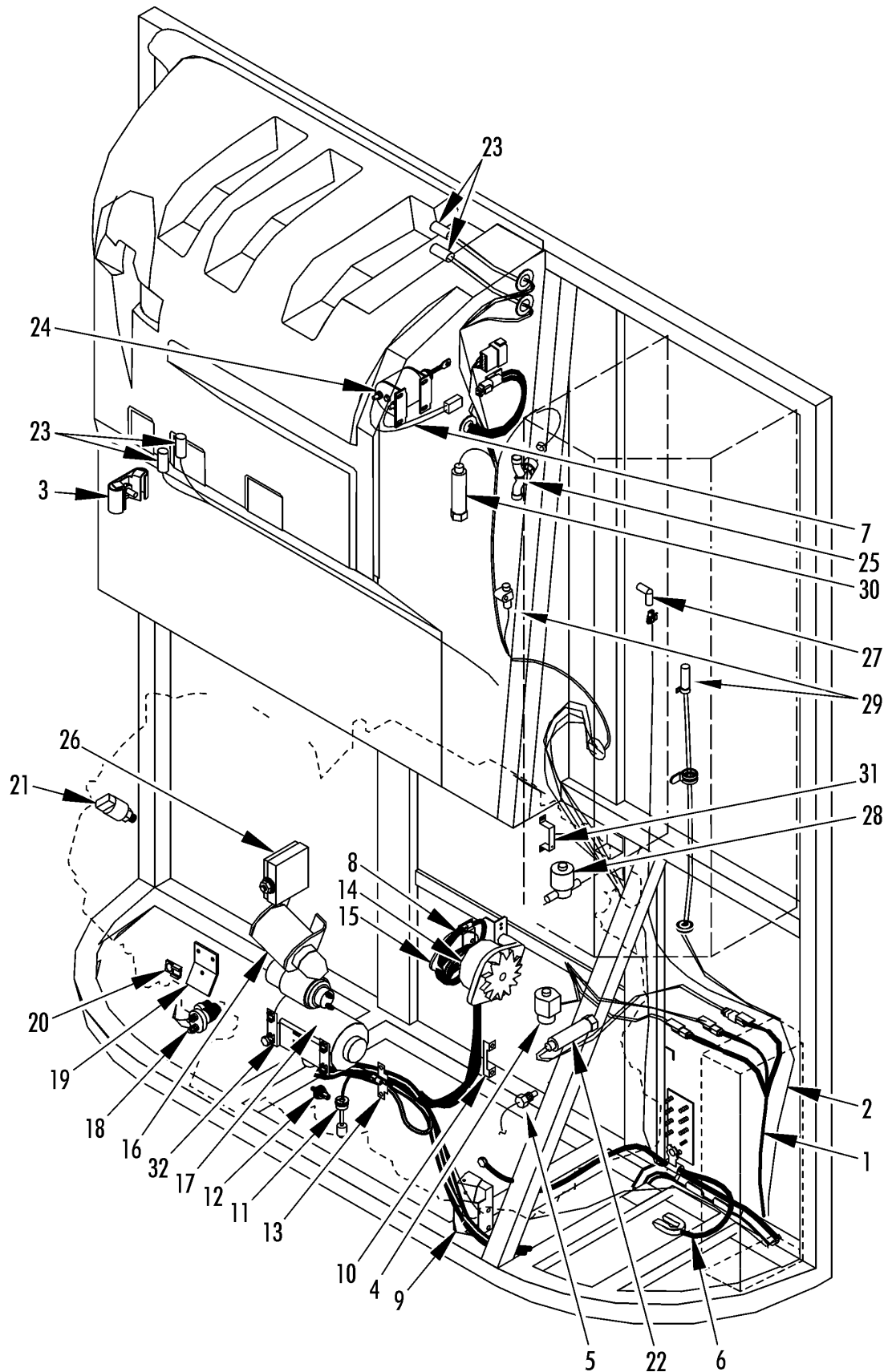
Revised
08/02/12

CONDENSER/RADIATOR MOUNTING (12/11 & after, w/ Micro Channel Coil)



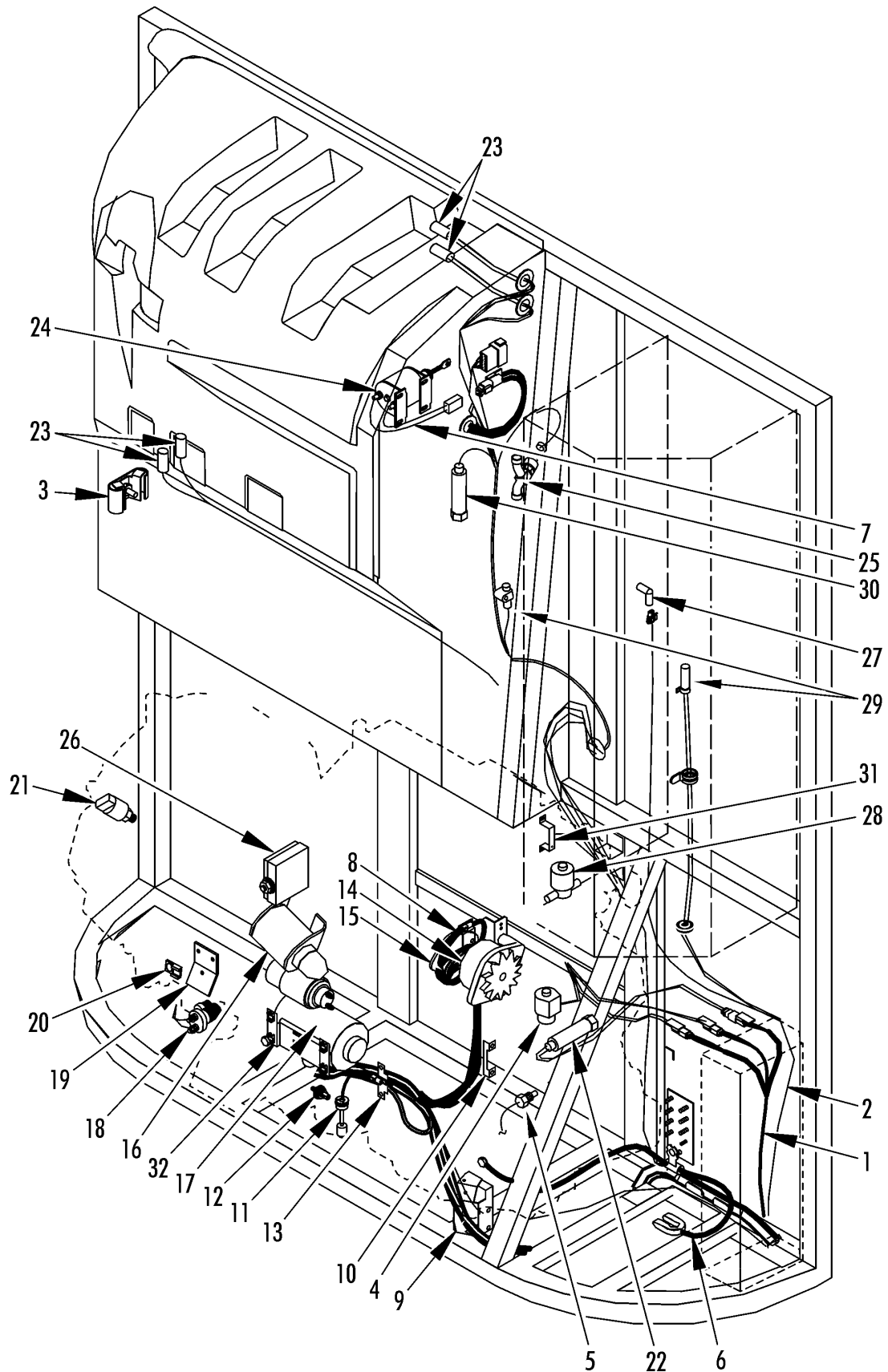
259A3

REF	PART NO.	DESCRIPTION	QTY
1	98-2804	SPINNING - condenser	1
	55-538	SCREW - spinning	6
	55-405	WASHER - dome	6
	55-4974	NUT - captive	6
2	92-1241	SHIELD - condenser coil	1
3	55-1587	SCREW - coil	16
	55-2086	FLATWASHER	32
	55-4953	NUT	16
4	67-2694	COIL - condenser/radiator (SB-130/230 30 & 50, SPECTRUM micro channel)	1
	67-2766	COIL - condenser/radiator (SB-330, micro channel)	1
5	92-9458	SEAL - coil	2
6	92-1774	BRACKET - header tube	1
	55-145	SCREW - shield	2
	55-411	FLATWASHER	4
	55-4118	NUT	2
7	55-6389	CLAMP - tube	2
	55-544	SCREW - clamp	2
	55-411	FLATWASHER	2
	55-366	LOCKWASHER	2
	55-8711	INSERT - threaded	2





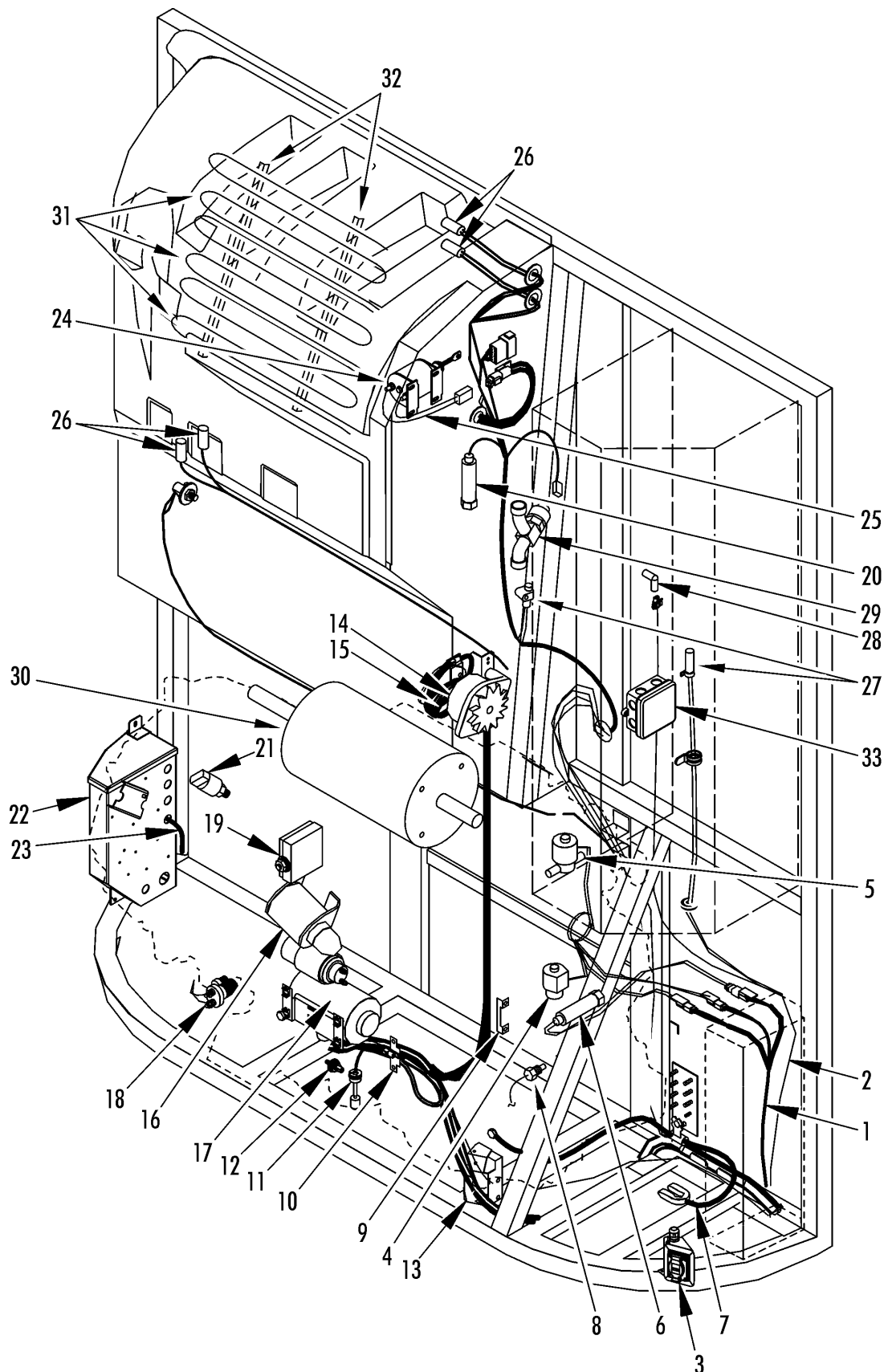
REF	PART NO.	DESCRIPTION	QTY
1	41-9692	HARNESS - main (SB-330/ SB-230/ SB-130, before 12/13 see 247F8)	1
	42-650	HARNESS - main (SB-330 RR, before 12/13 see 247F8)	1
	42-2190	HARNESS - main (12/13 & after)	1
2	41-9696	HARNESS - sensor	1
3	92-4612	RETAINER - sensor	1
4	66-7636	VALVE - pilot solenoid	1
	41-1521	*COIL	1
	55-8786	*NUT - valve	1
5	41-6538	SENSOR - coolant temperature	1
6	41-9697	CABLE - battery (pos, see 250A3)	1
	41-6566	CABLE - battery (neg, see 250A3)	1
7	41-1299	HARNESS - damper solenoid	1
8	41-9695	HARNESS - alternator (see 250A2)	1
9	91-5719	BRACKET - harness	1
10	91-7195	BRACKET - harness (alternator)	1
	99-3281	MOUNT - cable tie	2
	55-2260	RIVET - mount	2
11	41-4470	SWITCH - oil level	1
	33-4160	*O-RING - switch	1
12	41-7063	SWITCH - oil pressure	1
13	92-1683	BRACKET - harness	1
	55-8588	SCREW - bracket	1
	55-1173	LOCKWASHER	1
	55-4625	FLATWASHER	1
14	45-2589	ALTERNATOR (37A, w/o fan, extended life)	1
	45-2592	ALTERNATOR (37A, w/o fan, standard life Plus)	1
	845-2681	ALTERNATOR (37A, w/o fan, reman)	1
	45-2590	ALTERNATOR (65A, w/o fan, extended life)	1
	45-2593	ALTERNATOR (65A, w/o fan, standard life plus)	1
	845-2682	ALTERNATOR (65A, w/o fan, reman)	1
	41-6867	FAN - alternator (cw rotation)	1
15	92-533	BRACKET - harness (alternator)	1
	99-3281	MOUNT - cable tie	2



ELECTRICAL COMPONENTS (30s)

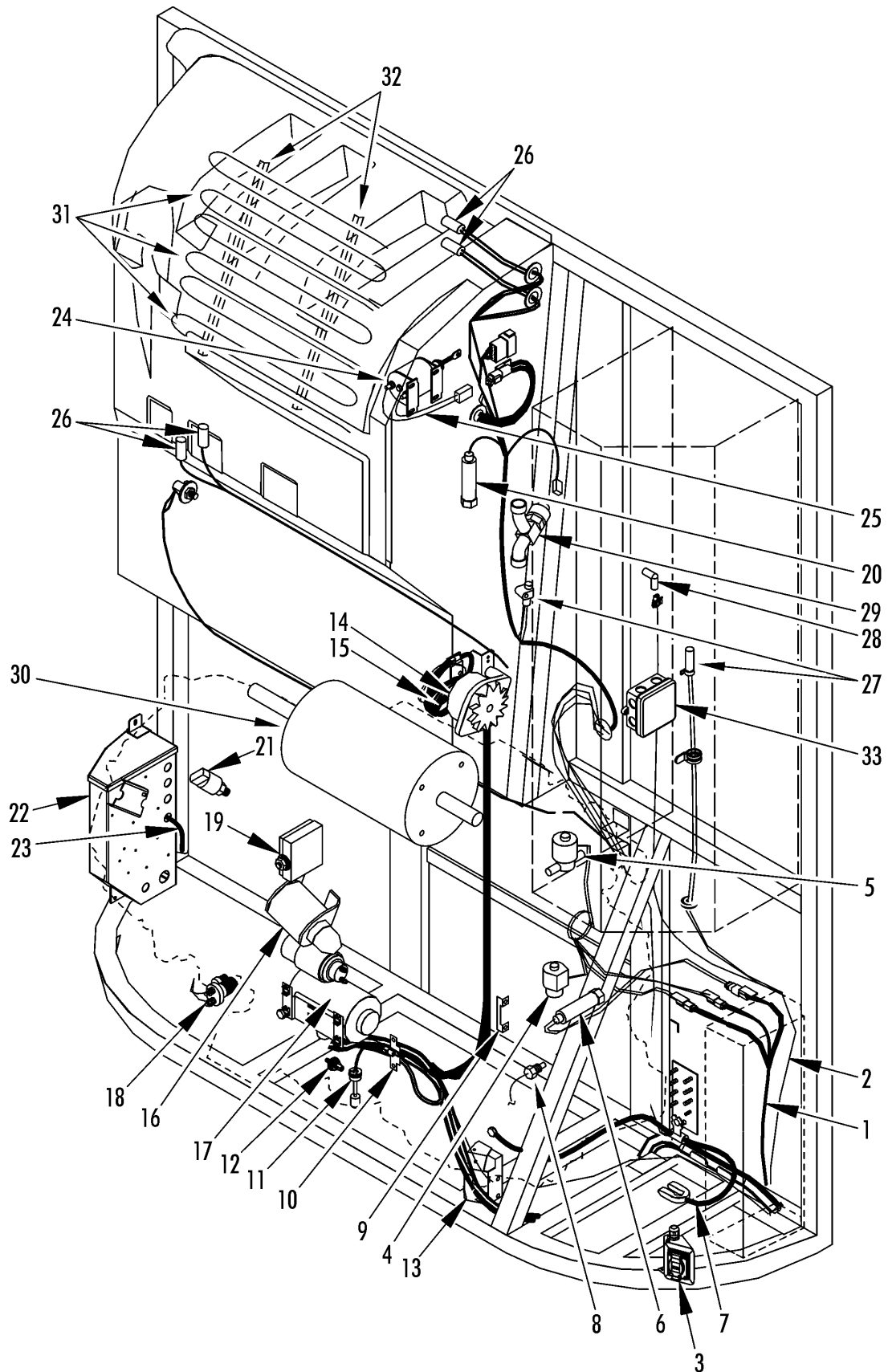
**247F2**Revised
02/16/16

REF	PART NO.	DESCRIPTION	QTY
	55-3136	RIVET - mount	2
16	44-9181	SOLENOID - throttle (see 201E6)	1
17	45-2177	STARTER	1
	45-2324	STARTER (Plus Starter)	1
	845-2324	STARTER (Plus, reman)	1
18	44-9298	SENSOR - flywheel	1
	44-7620	BOOT - rpm sensor	1
19	91-7192	BRACKET - main harness	1
	55-5005	SCREW - bracket	2
	55-5006	LOCKWASHER	2
	55-5914	FLATWASHER	2
20	44-9906	TAB - mounting (Deutsch connectors)	4
	55-2260	RIVET - tab	4
21	41-6356	SWITCH - hpco	1
22	42-1309	TRANSDUCER - pressure (discharge, ETV units)	1
23	40-974	KIT - sensor	2
24	44-2823	SOLENOID - damper (see 160A3)	1
25	61-3764	VALVE - electronic throttling (see 259A2)	1
26	41-2147	HEATER - air (see 204F7)	1
27	42-1397	SENSOR - coolant level (see engine cooling grid)	1
28	66-5374	VALVE - solenoid	1
	41-3681	*COIL	1
29	40-975	KIT - sensor	4
30	42-2284	TRANSDUCER - suction	1
31	91-5726	BRACKET - main harness	1
32	92-3994	BRACKET - cable (starter)	1





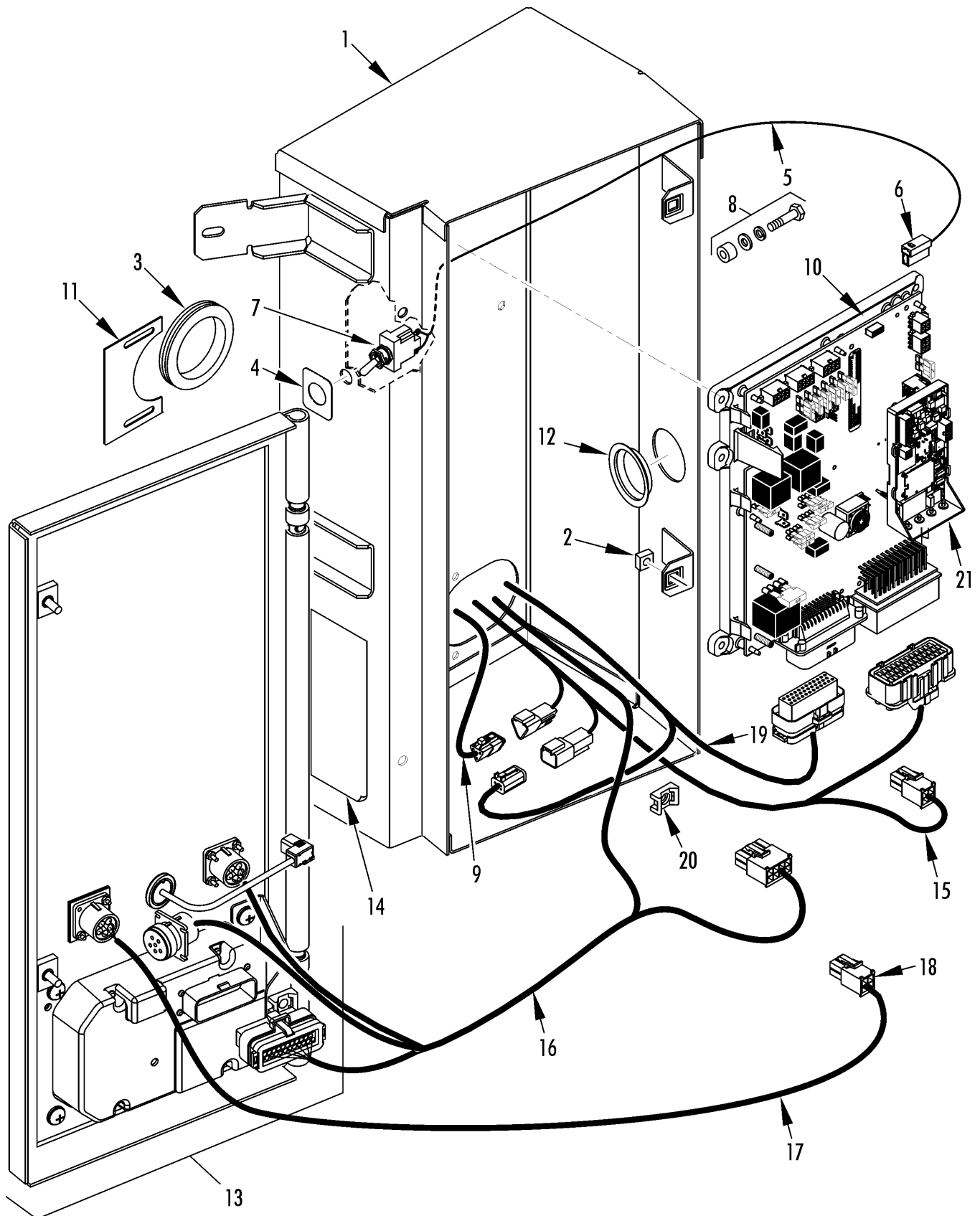
REF	PART NO.	DESCRIPTION	QTY
1	41-9692	HARNESS - main	1
2	41-9696	HARNESS - sensor	1
3	NSS	BOX - power receptacle (see 228F8)	1
4	66-7636	VALVE - pilot solenoid (see 247F7/259A2)	1
5	66-5374	SOLENOID - hot gas (see 247F7)	1
6	42-1309	TRANSDUCER - pressure (discharge, ETV units)	1
7	41-9697	CABLE - battery (pos, see 250A3)	1
	41-6566	CABLE - battery (neg, see 250A3)	1
8	41-6538	SENSOR - water temperature	1
9	91-7195	BRACKET - alternator harness	1
10	92-1683	BRACKET - harness	1
	55-8588	SCREW - bracket	1
	55-1173	LOCKWASHER	1
	55-4625	FLATWASHER	1
11	41-4470	SWITCH - oil level	1
	33-4160	*O-RING - switch	1
12	41-7063	SWITCH - oil pressure	1
13	91-5719	BRACKET - harness	1
	55-4723	SCREW - bracket	2
	55-5006	LOCKWASHER	2
	55-7024	FLATWASHER	2
14	45-2589	ALTERNATOR (37A, w/o fan, extended life)	1
	45-2592	ALTERNATOR (37A, w/o fan, standard life plus)	1
	845-2681	ALTERNATOR (37A, w/o fan, reman)	1
	45-2590	ALTERNATOR (65A, w/o fan, extended life)	1
	45-2593	ALTERNATOR (65A, w/o fan, standard life plus)	1
	845-2682	ALTERNATOR (65A, w/o fan, reman)	1
	41-6867	FAN - alternator (cw rotation)	1
15	41-9703	HARNESS - alternator	1
16	44-9181	SOLENOID - throttle (see 201E6)	1
17	45-2177	STARTER	1
18	44-9298	SENSOR - flywheel	1
19	41-2147	HEATER - air (see 204F7)	1



ELECTRICAL COMPONENTS (50s)

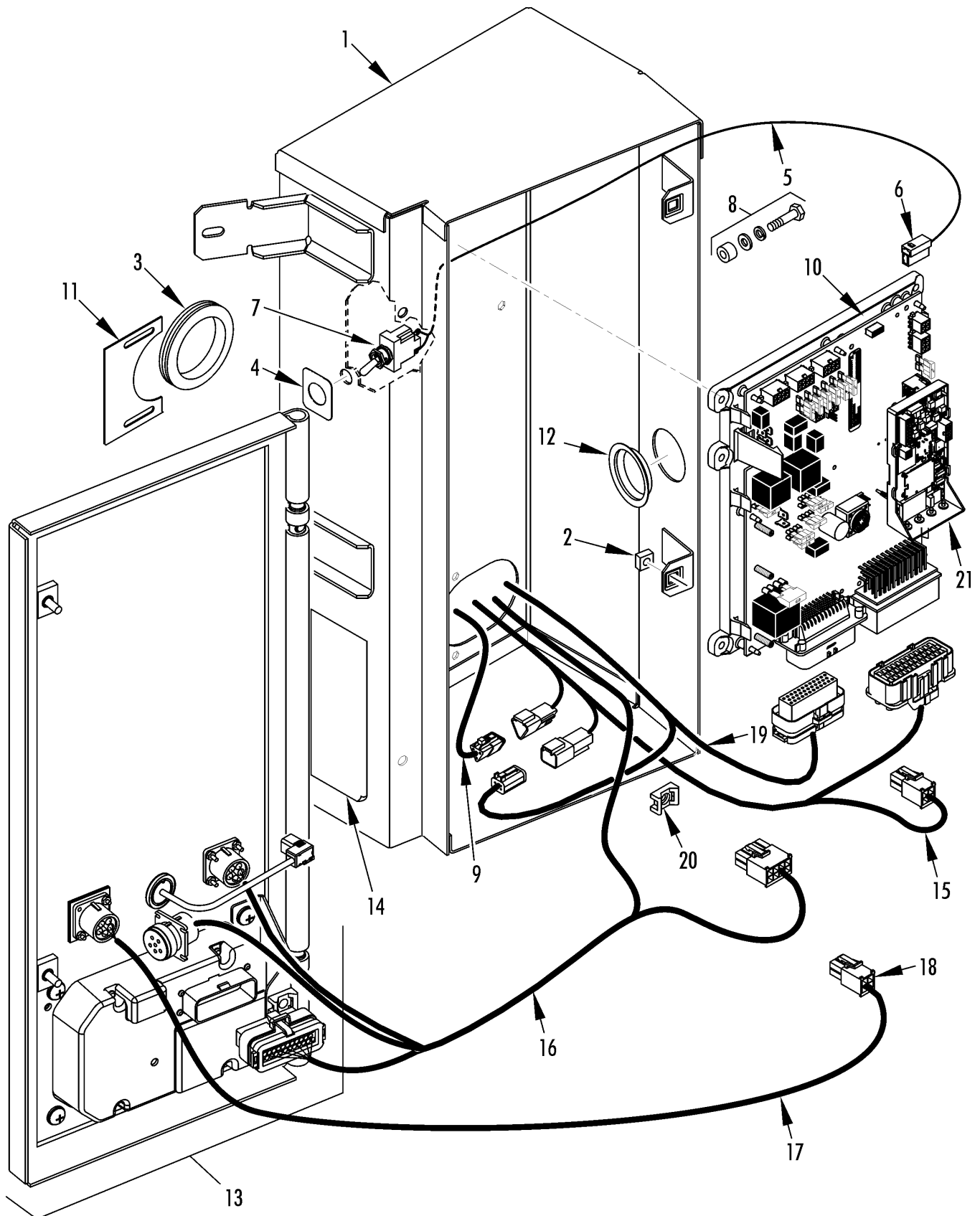
**250A5**Revised
02/16/16

REF	PART NO.	DESCRIPTION	QTY
20	42-2284	TRANSDUCER - suction	1
21	41-6356	SWITCH - hpco	1
22	NSS	BOX - high voltage (see 230B8)	1
23	41-7298	HARNESS - high voltage box to low voltage box	1
24	44-2823	SOLENOID - damper (see 160A3)	1
25	41-1299	HARNESS - damper solenoid	1
26	40-974	KIT - sensor	4
27	40-975	KIT - sensor	2
28	42-1397	SENSOR - coolant level (see 201C6)	1
29	61-3764	VALVE - electronic throttling	1
30	104-632	MOTOR (14 hp, 230-460/3/50-60, see 204D1)	1
	104-797	MOTOR (24 hp, 230-460/3/50-60, see 240D4)	1
	NSS	*KEY - motor (303 SS, .311 x 2.75 in sq)	2
31	45-1262	HEATER	3
32	91-4142	BRACKET - heater	2
	55-5639	SCREW - bracket	12
33	44-7354	BOX - junction	1
	99-7834	NAMEPLATE - Caution	1
	55-3561	SCREW - junction box	3





REF	PART NO.	DESCRIPTION	QTY
1	98-6448	BOX - control	1
2	55-3059	NUT - captive (cover)	2
3	33-628	GROMMET	1
4	93-554	NAMEPLATE - microprocessor (on/off)	1
5	41-5487	HARNESS - switch	1
6	44-5219	*CONNECTOR (2-pin)	1
7	41-7419	*SWITCH	1
8	55-538	SCREW - box	3
	55-366	LOCKWASHER	4
	55-411	FLATWASHER	4
	55-9688	WASHER - special	1
9	41-9695	HARNESS - alternator (see 250A2)	1
10	45-2614	BOARD & CONTROLLER (SR-3, see 250B2)	1
	204-1930	TOOL - SR-3 diagnosis	1
	204-1931	TOOL - upgrade, SR-2 to SR-3 diagnosis	1
	55-2269	SCREW - controller	6
	55-2964	LOCKWASHER	6
	55-2001	FLATWASHER	6
	55-8752	INSERT - threaded	6
11	91-9860	PLATE - cover	1
12	55-6474	PLUG - hole	1
13	NSS	COVER - box (see 247F4)	1
14	92-8603	NAMEPLATE - factory setting	1
15	41-9692	HARNESS - main (SB-330/230/130, see 247F8)	1
	42-650	HARNESS - main (SB-330 RR, see 247F8)	1
16	41-9701	HARNESS - HMI (see 250B6)	1
	42-651	HARNESS - HMI (RR, see 250B6)	1
17	41-5484	CABLE - controller download	1
18	41-5710	*PLUG (4-pin, J10)	1
	33-3909	*GASKET (4-pin, plug)	1
19	41-9696	HARNESS - sensor (see 247F9)	1
20	99-3281	MOUNT - bandwrap	A/R
	55-3669	RIVET - mount	A/R



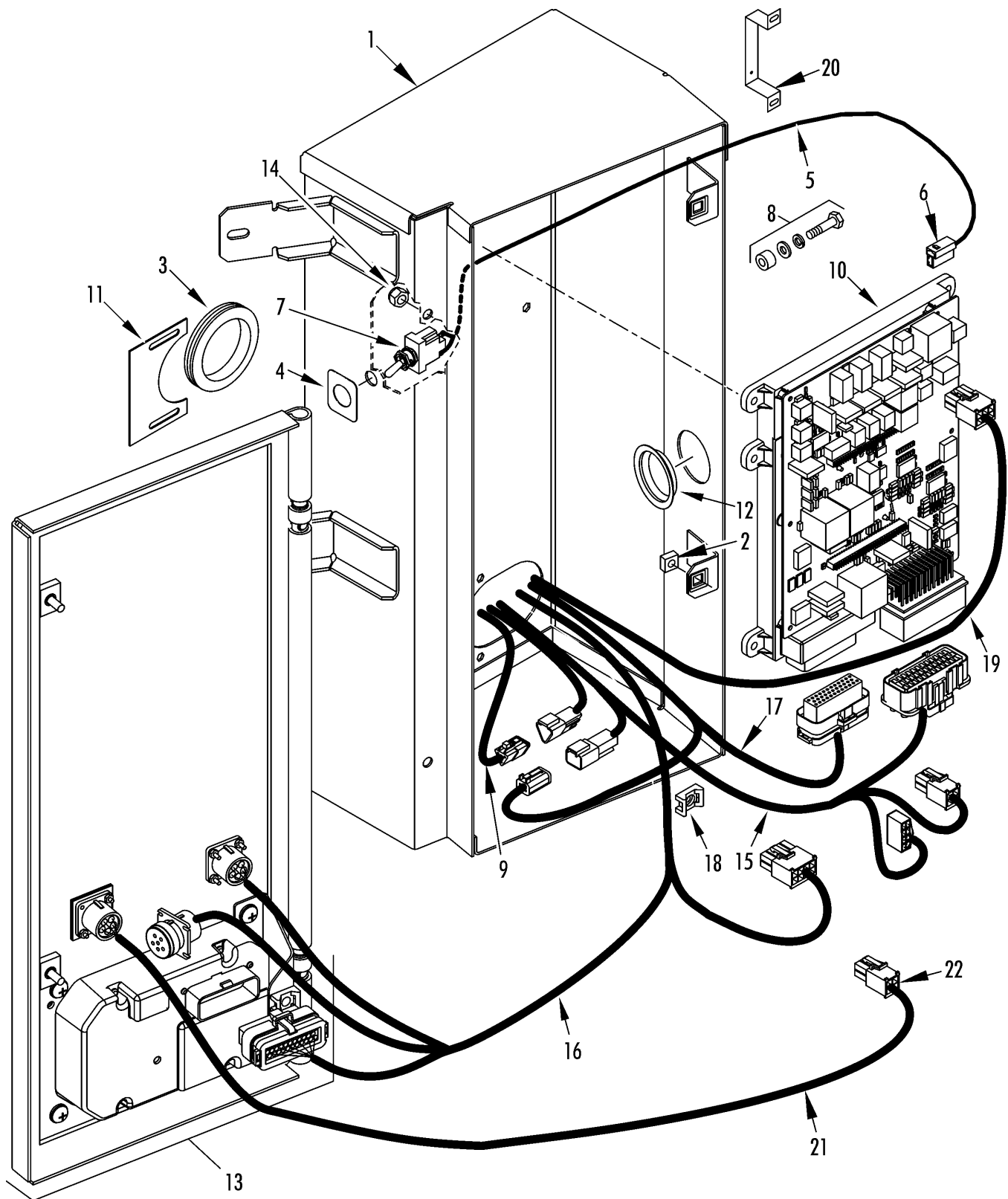
Revised
02/26/16

CONTROL BOX (30s)



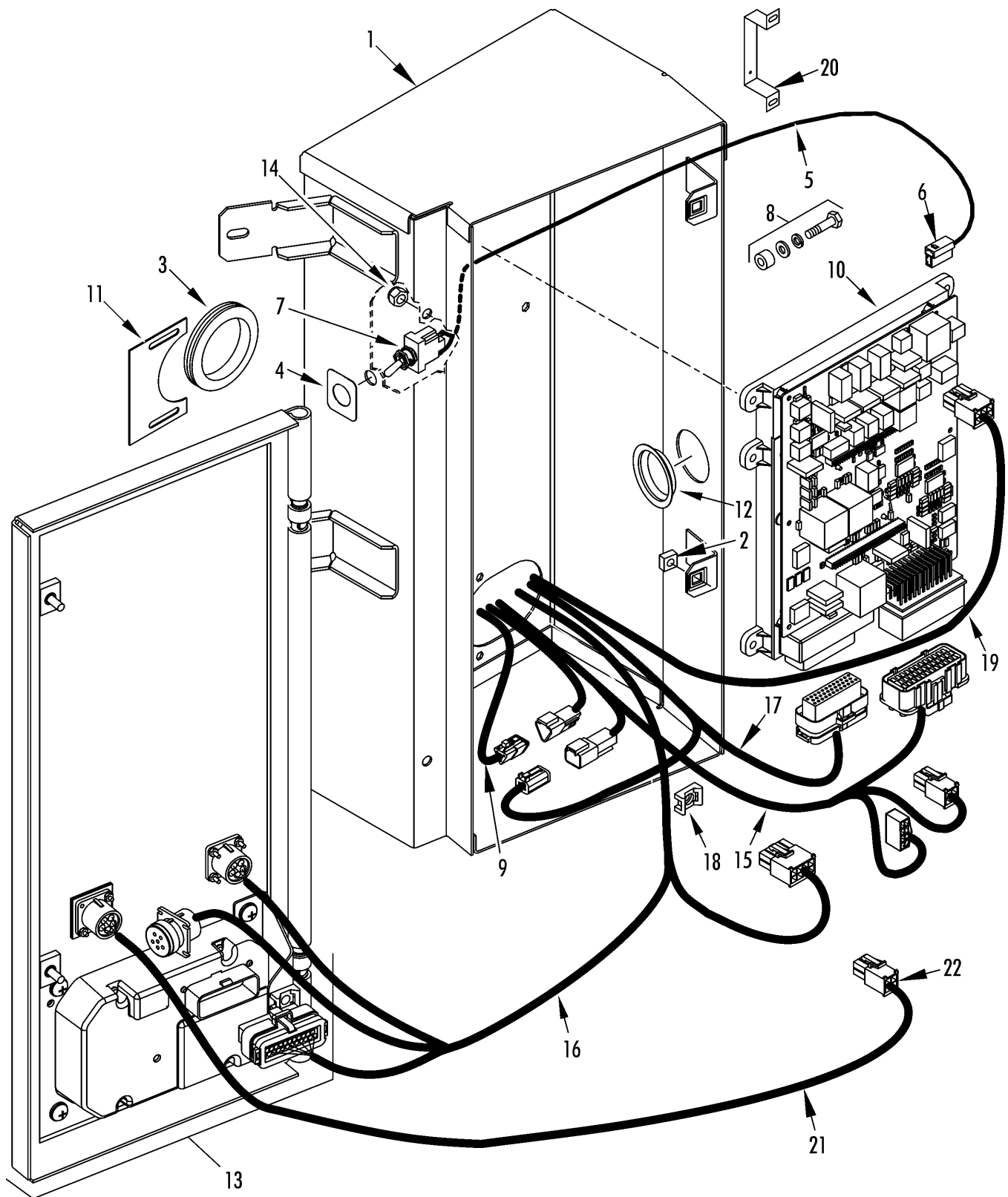
247F3

REF	PART NO.	DESCRIPTION	QTY
	55-2330	BANDWRAP	A/R
21	45-2538	RADIO EXPANSION BOARD - iBox (see 250D0)	1
	42-1754	RADIO EXPANSION BOARD - 3G O2 (see 250D0)	1
	42-1755	RADIO EXPANSION BOARD - 3G T-Mobil	1
	42-1756	RADIO EXPANSION BOARD - 3G T-Mobil WiFi	1
	42-1757	RADIO EXPANSION BOARD - 3G O2 WiFi	1





REF	PART NO.	DESCRIPTION	QTY
1	98-6448	BOX - control	1
2	55-3059	NUT - captive (cover)	2
3	33-628	GROMMET (2-1/8 id)	1
4	93-554	NAMEPLATE - microprocessor (on/off)	1
5	41-5487	HARNESS - switch	1
6	44-5219	*CONNECTOR (2-pin)	1
7	41-7419	*SWITCH	1
	33-4134	RING - sealing	1
8	55-538	SCREW - box (1/4-20 x 5/8)	3
	55-731	SCREW - box (1/4-20 x 1-3/4)	1
	55-366	LOCKWASHER	4
	55-411	FLATWASHER	4
	55-9688	WASHER - special	1
9	41-9703	HARNESS - alternator	1
10	45-2614	BOARD & CONTROLLER (SR-3)	1
	55-2269	SCREW - controller	6
	55-2964	LOCKWASHER	6
	55-2001	FLATWASHER	6
	55-8752	INSERT - threaded	6
11	91-9860	BRACKET - control box	1
	55-165	SCREW - bracket	2
	55-366	LOCKWASHER	2
12	55-6474	PLUG - hole	1
13	NSS	COVER - box (see 247F4)	1
14	55-2114	NUT - cover (hexagon)	2
	55-4954	NUT - cover (lock)	2
	55-2959	LOCKWASHER	2
	55-2958	FLATWASHER	4
	55-3034	WASHER - sealing	2
	203-392	SEALER - antiseize	A/R
15	41-9692	HARNESS - main (see 247F8)	1
16	41-9701	HARNESS - HMI (see 250B6)	1
17	41-9696	HARNESS - sensor (see 247F9)	1



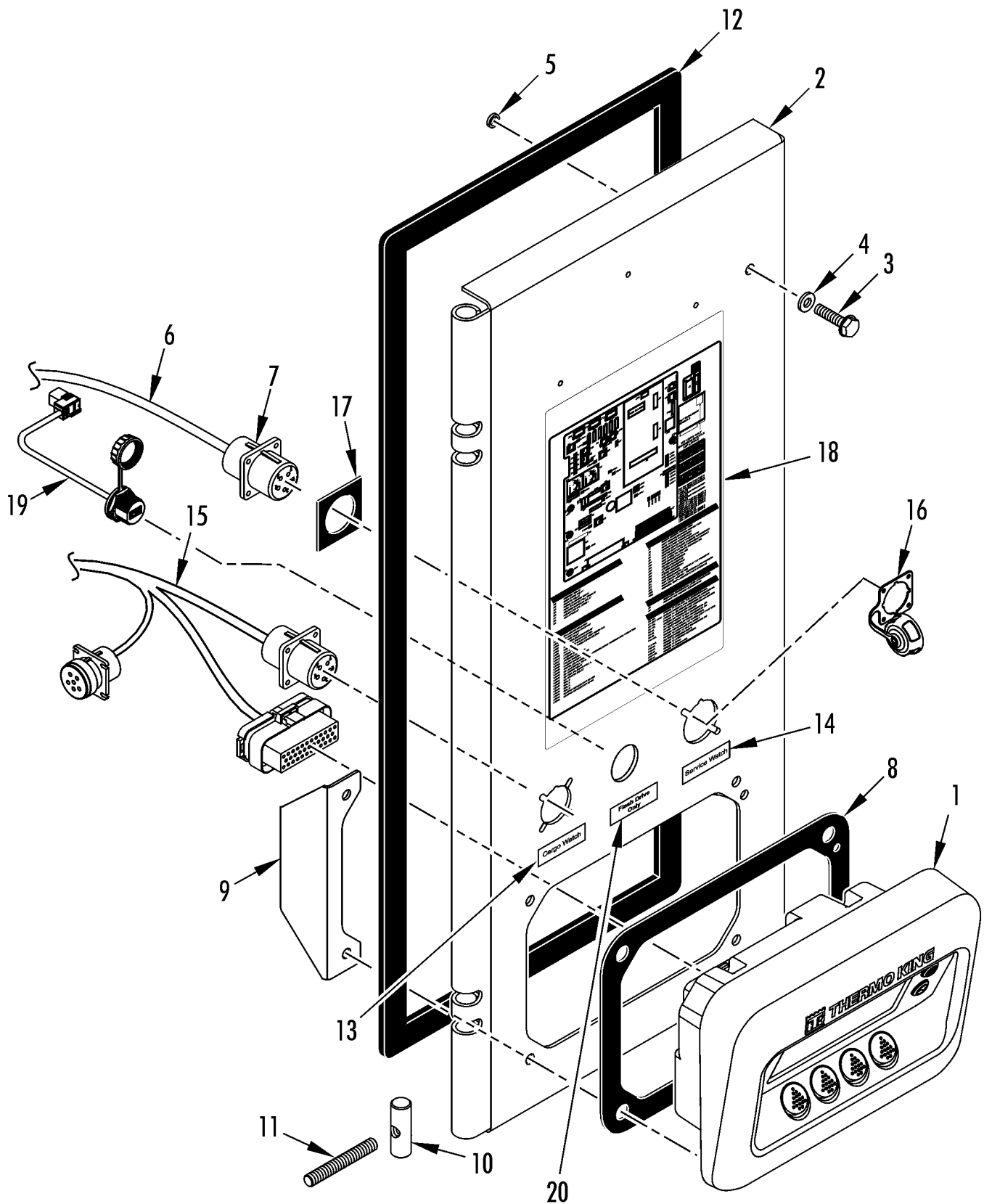
Revised
05/12/15

CONTROL BOX (50s)



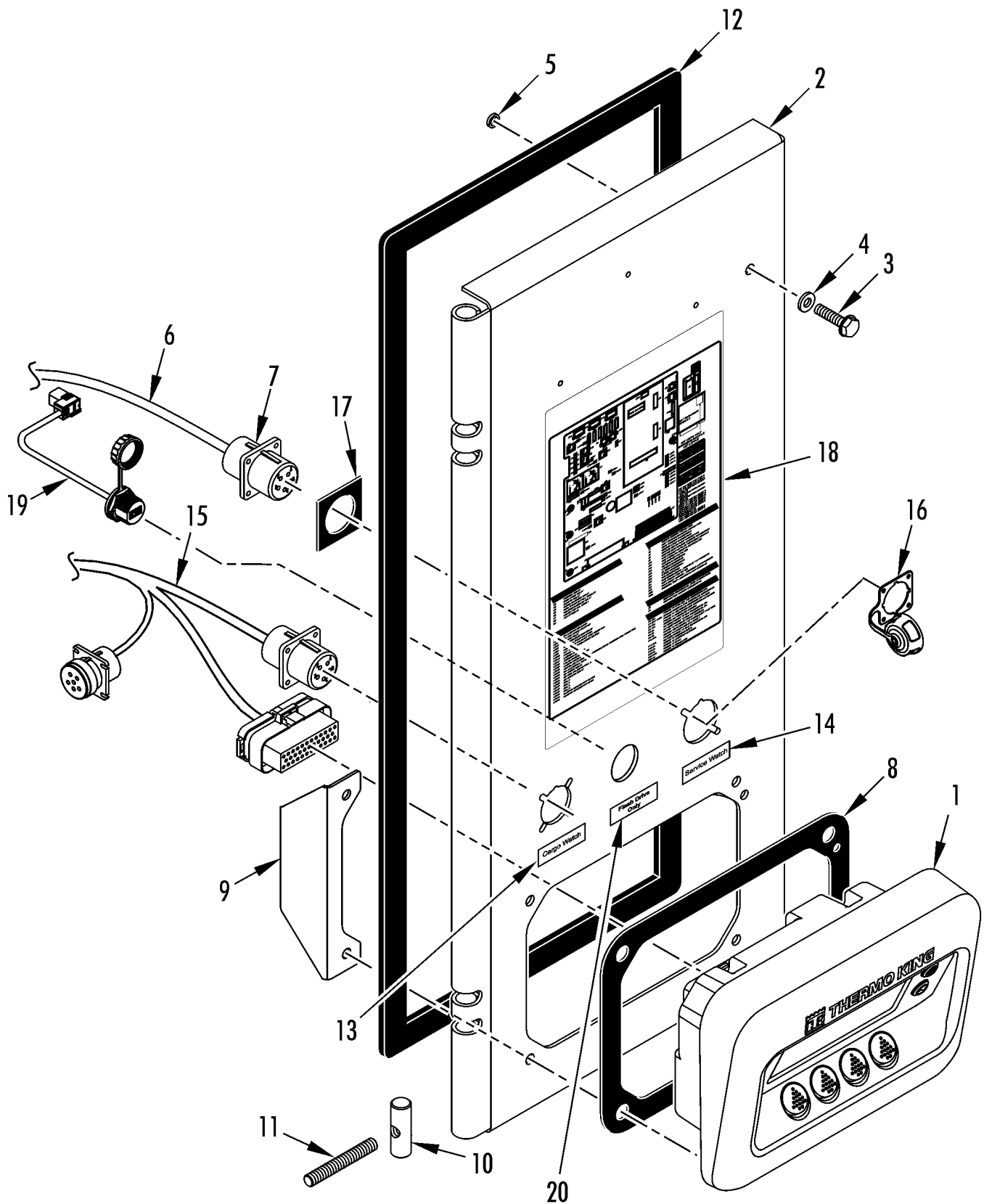
250A6

REF	PART NO.	DESCRIPTION	QTY
18	99-6093	MOUNT - cable tie	A/R
	55-3136	RIVET - mount	A/R
	55-2330	BANDWRAP	A/R
19	41-7297	HARNESS - low voltage to high voltage	1
	44-8920	*PLUG (6 terminal)	1
20	91-5726	BRACKET - main harness	1
21	41-5484	CABLE - controller download	1
22	41-5710	PLUG (4-pin, J10)	2





REF	PART NO.	DESCRIPTION	QTY
1	845-2372	CONTROLLER - HMI-3 (w/ gasket, new exchange)	1
	845-2372	CONTROLLER - HMI-3 (w/ gasket, new exchange)	1
	55-3098	SCREW - controller	4
	55-2993	LOCKWASHER	4
	55-2086	FLATWASHER	4
2	98-8661	DOOR - control box	1
3	55-6352	SCREW - door	2
4	55-3028	WASHER - sealing	2
5	55-6772	WASHER - split	2
6	41-5484	HARNESS - communication	1
7	41-2405	*CONNECTOR - receptacle (computer)	1
8	33-3628	GASKET - bezel	2
9	92-5732	BRACKET - harness	1
10	99-7900	ROD - hinge	2
11	55-3473	PIN - hinge	2
	203-393	SEALER - thread	A/R
	55-2114	NUT - cover (hexagon)	2
	55-4954	NUT - cover (lock)	2
	55-2959	LOCKWASHER	2
	55-2958	FLATWASHER	4
	55-3034	WASHER - sealing	2
12	33-2216	GASKET - door	1
13	93-616	NAMEPLATE - consolidated (incl Cargo Watch)	1
14	92-3328	NAMEPLATE - Service Watch	1
15	41-9701	HARNESS - HMI (see 250B6)	1
	42-651	HARNESS - HMI (RR, see 250B6)	1
	55-7136	SCREW - connector	8
	55-2359	FLATWASHER	8
	55-2360	LOCKWASHER	8
	55-2361	NUT	8
16	92-3067	CAP - dust (5-pin connector)	1
17	92-2426	COVER & GASKET	1
18	92-8603	NAMEPLATE - SR-3 Board	1



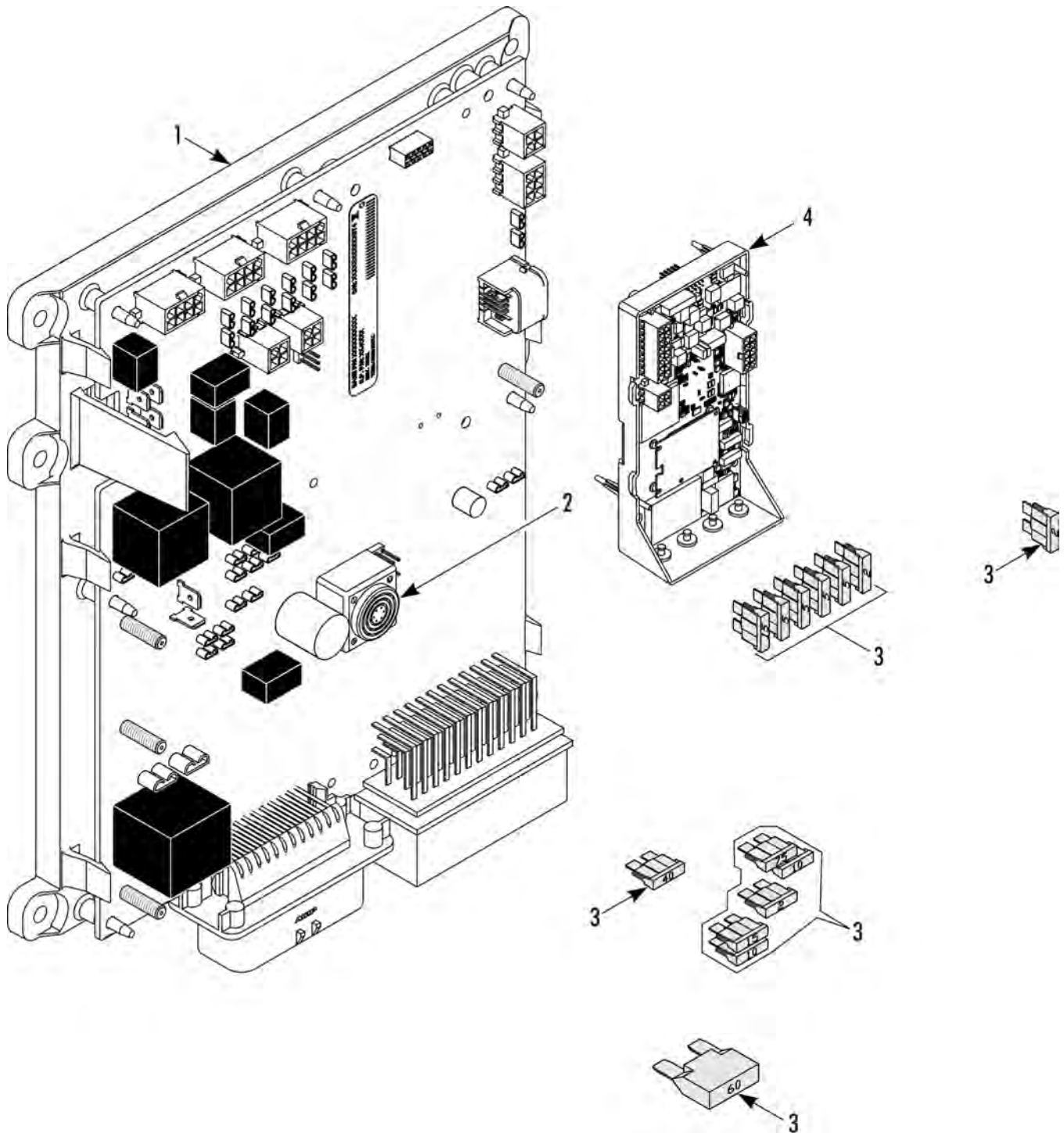
Revised
02/04/16

COVER - CONTROL BOX



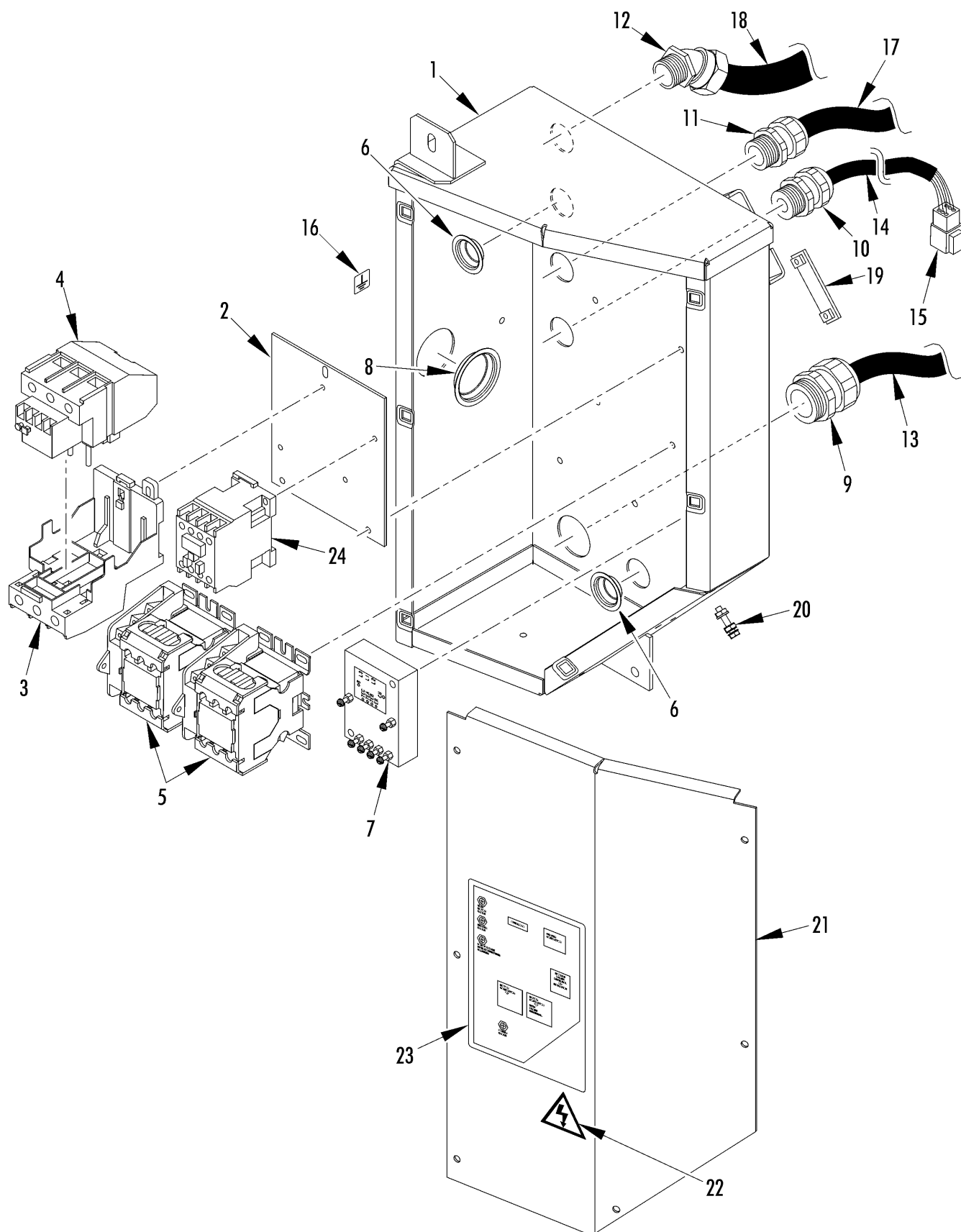
247F4

REF	PART NO.	DESCRIPTION	QTY
19	41-9700	CABLE - USB-A SR-3	1
	93-588	*CAP - cable	1
20	92-8803	NAMEPLATE - USB	1



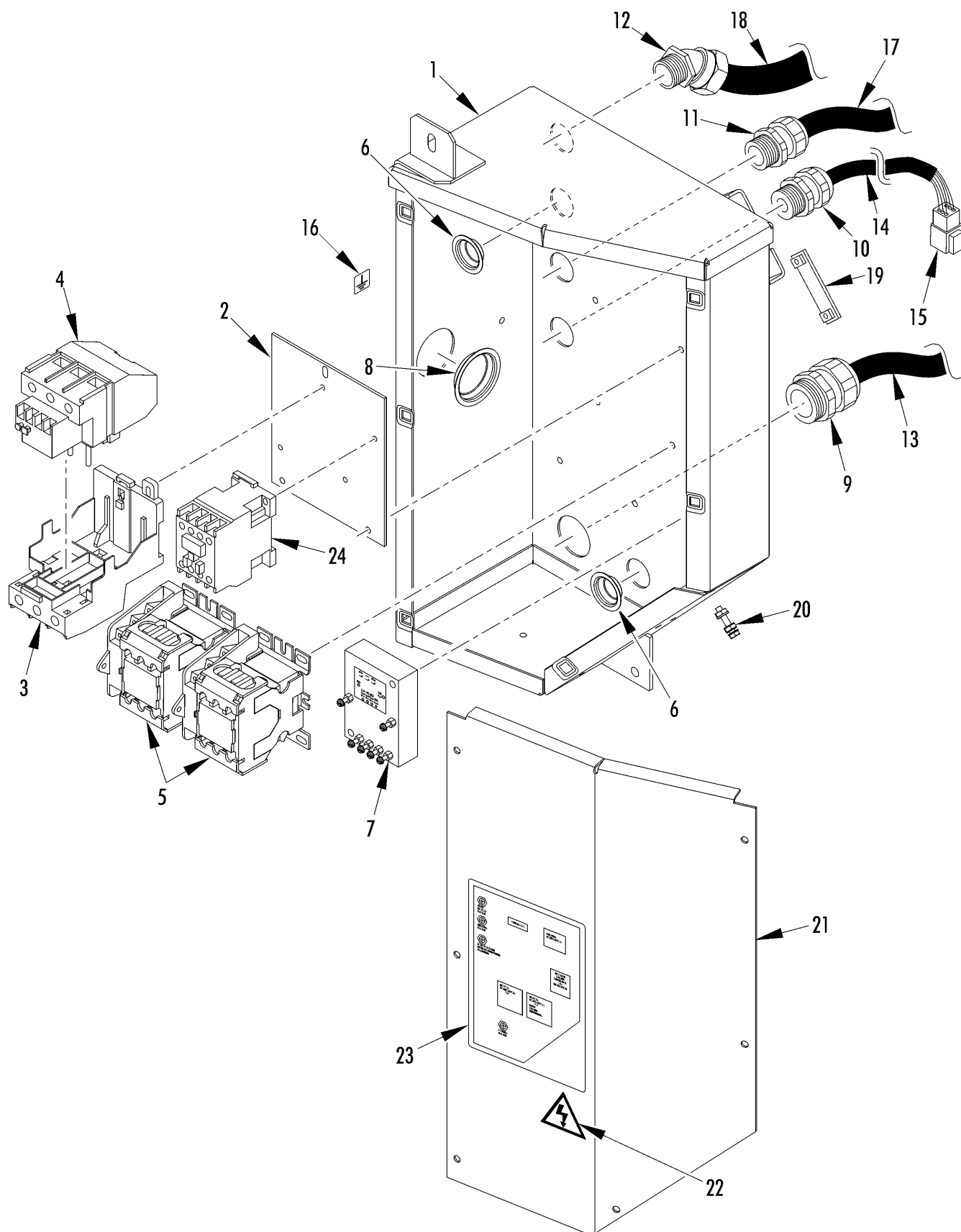
CONTROLLER INTERFACE ASSEMBLY SR-3**250B2**Revised
02/26/16

REF	PART NO.	DESCRIPTION	QTY
1	45-2614	BOARD & CONTROLLER (SR-3)	1
2	41-8291	*BUZZER - warning	1
3	41-2543	*FUSE (2A)	3
	41-1292	*FUSE (5A)	4
	44-9359	*FUSE (7.5A)	1
	44-9758	*FUSE (10A)	2
	44-9344	*FUSE (15A, 32Vdc)	3
	41-226	*FUSE (40A)	1
	41-3666	*FUSE (60A)	1
4	45-2538	RADIO EXPANSION BOARD - iBox	1
	42-1754	RADIO EXPANSION BOARD - 3G O2	1
	42-1755	RADIO EXPANSION BOARD - 3G T-Mobil	1
	42-1756	RADIO EXPANSION BOARD - 3G T-Mobil WiFi	1
	42-1757	RADIO EXPANSION BOARD - 3G O2 WiFi	1

230B8**HIGH VOLTAGE BOX (230/460V w/ 14 hp motor)**Revised
01/16/15

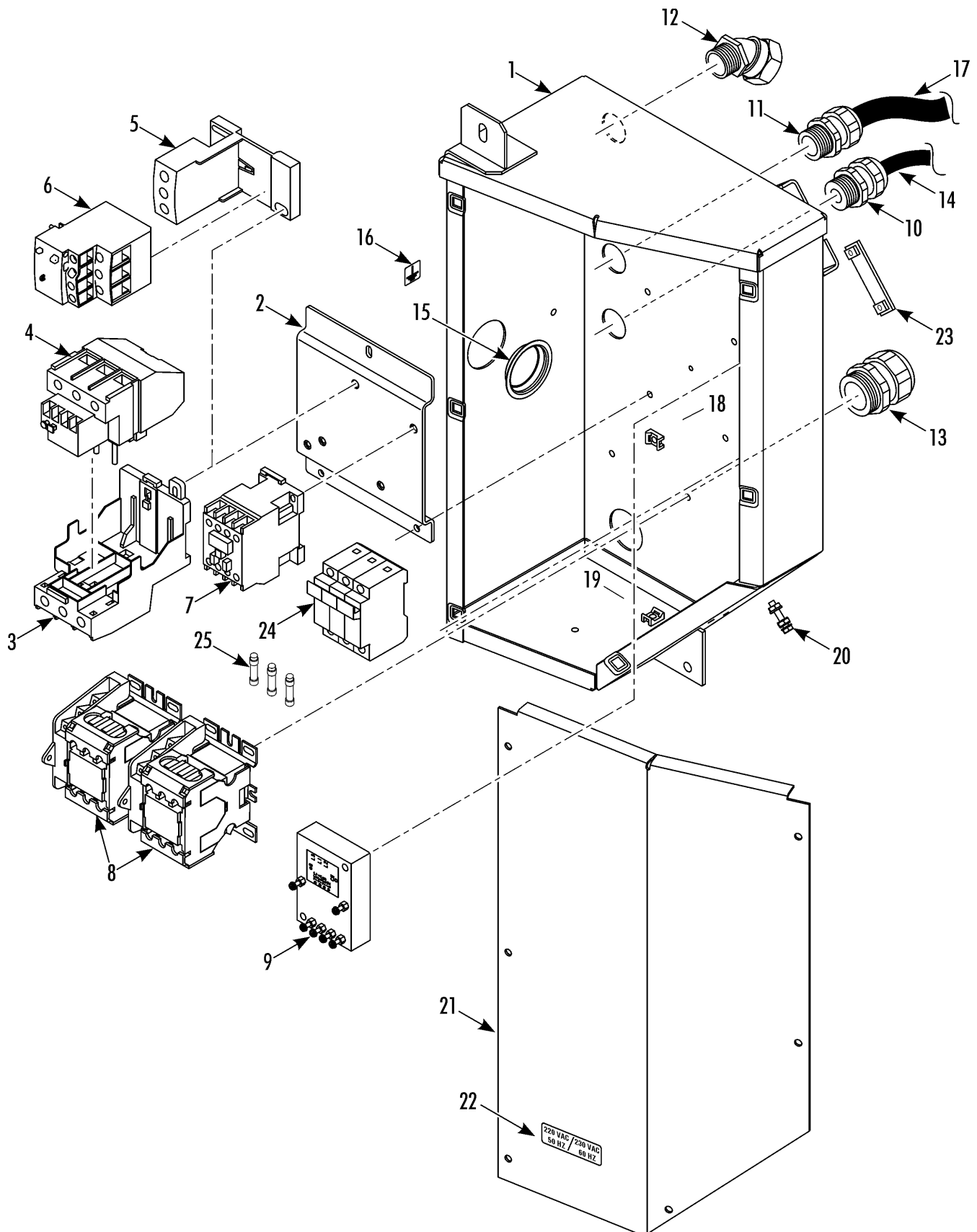
HIGH VOLTAGE BOX (230/460V w/ 14 hp motor)**230B8**Revised
01/16/15

REF	PART NO.	DESCRIPTION	QTY
1	92-1244	BOX - high voltage	1
	55-2969	SCREW - box	3
	55-790	LOCKWASHER	3
	55-371	FLATWASHER	3
2	92-4895	BRACKET - contactor	1
	55-3842	SCREW - bracket	3
	55-2001	FLATWASHER	6
	55-4560	NUT	3
3	41-736	BRACKET - relay (230V)	1
	41-6096	BRACKET - relay (460V)	1
4	41-6095	RELAY - overload (230V, 38A)	1
	41-6409	RELAY - overload (460V, 20A)	1
	55-5722	SCREW - relay	2
	55-2202	LOCKWASHER	2
	55-2201	FLATWASHER	2
	55-4223	NUT	2
5	41-7934	CONTACTOR - motor	1
	55-3842	SCREW - contactor	4
	55-2001	FLATWASHER	8
	55-4560	NUT	4
6	55-6010	PLUG - button	2
7	42-792	SELECTOR - phase	1
	55-3019	SCREW - indicator	2
	55-2001	FLATWASHER	4
	55-4560	NUT	2
8	55-6474	PLUG - button	1
9	55-5112	GRIP - cable	1
10	55-6742	GRIP - cable	1
11	55-6141	GRIP - cable	1
	55-2635	NUT - grip	3
12	55-5286	GRIP - cable	1
13	41-8276	CABLE - power (230V)	1
	41-9026	CABLE - power (460V)	1

230B8**HIGH VOLTAGE BOX (230/460V w/ 14 hp motor)**Revised
01/16/15

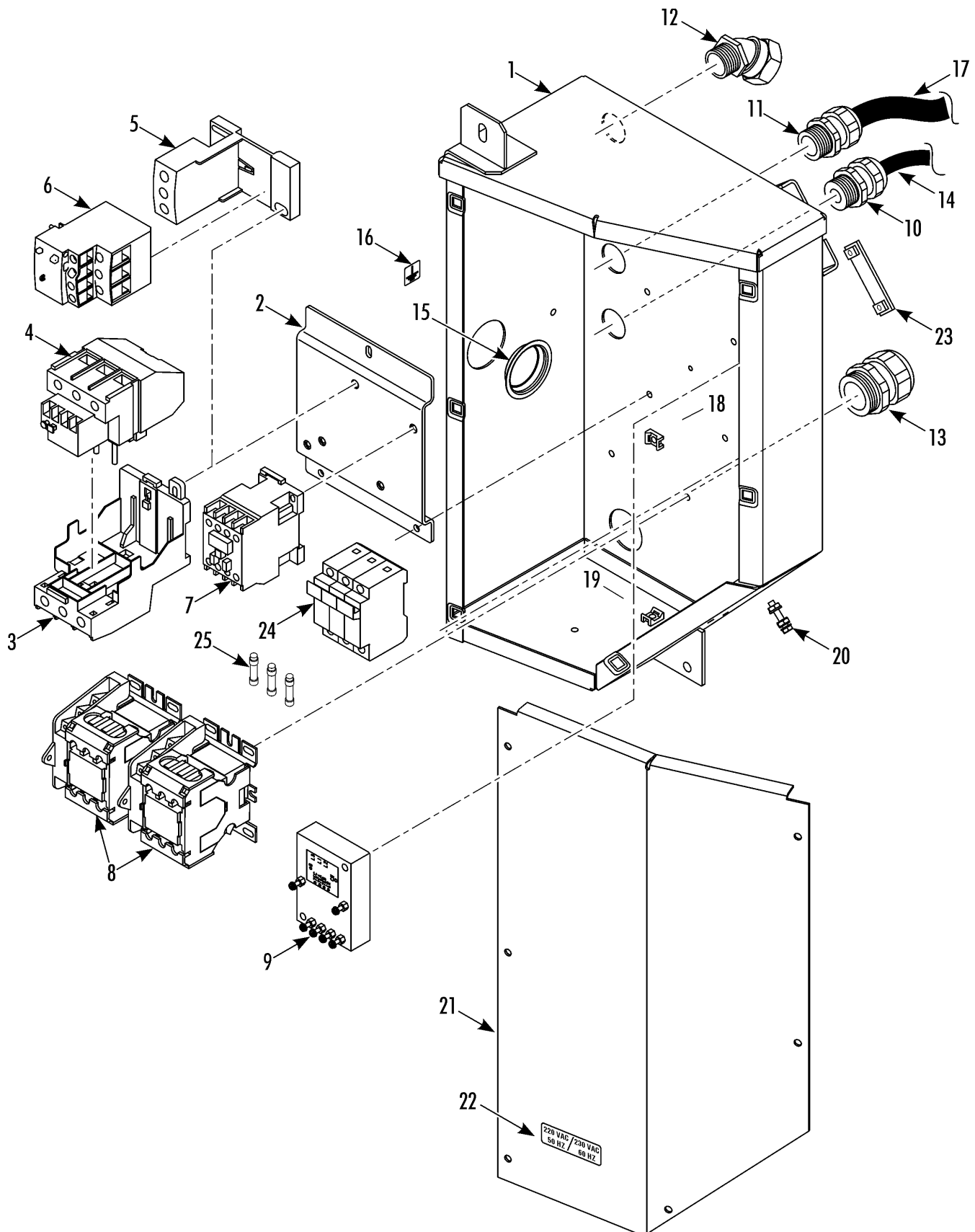
HIGH VOLTAGE BOX (230/460V w/ 14 hp motor)**230B8**Revised
01/16/15

REF	PART NO.	DESCRIPTION	QTY
14	41-7298	HARNESS - high voltage	1
15	44-8914	*CONNECTOR (6-pin)	1
16	91-9137	NAMEPLATE - Grounding	2
17	41-9112	CABLE - heaters	1
18	41-5203	HARNESS - motor	1
19	99-7671	NUTSTRIP - box	1
20	55-3000	SCREW - ground	2
	55-2996	LOCKWASHER (internal tooth)	6
	55-2001	FLATWASHER	2
	55-2965	NUT	4
21	92-2727	COVER - box	1
	55-3099	SCREW - cover	6
	55-1511	LOCKWASHER	6
	55-431	FLATWASHER	6
	55-4508	NUT - captive	6
22	99-7834	NAMEPLATE - Caution	1
23	92-1247	NAMEPLATE - Components Location	1
24	41-5629	CONTACTOR - heaters	1
	55-5722	SCREW - relay	2
	55-2202	LOCKWASHER (internal tooth)	2
	55-2201	FLATWASHER	2
	55-4223	NUT	2



HIGH VOLTAGE BOX (460V w/ 24 hp motor)**240D8**Revised
11/13/13

REF	PART NO.	DESCRIPTION	QTY
1	98-8215	BOX - high voltage	1
	55-2969	SCREW - box	3
	55-790	LOCKWASHER	3
	55-371	FLATWASHER	3
2	92-8019	BRACKET - contactor	1
	55-6743	INSERT - bracket components	5
	55-3842	SCREW - bracket	3
	55-2001	FLATWASHER	6
	55-4560	NUT	3
3	41-736	BRACKET - relay	1
4	41-6095	RELAY - overload	1
	55-3022	SCREW - relay	2
	55-2202	LOCKWASHER	2
	55-2201	FLATWASHER	2
	55-4223	NUT	2
5	41-6096	BRACKET - relay	1
	55-2989	SCREW	1
	55-2202	LOCKWASHER	1
6	41-9110	RELAY - overload (24 hp motor, 460 Volt)	1
	55-3511	SCREW	2
	55-2202	LOCKWASHER (internal tooth)	2
	55-2201	FLATWASHER	2
7	41-5629	CONTACTOR - heaters	1
	44-9888	TERMINAL - wirepin (18 ga)	3
	55-3511	SCREW	2
	55-2202	LOCKWASHER (internal tooth)	2
	55-2201	FLATWASHER	2
8	41-7934	CONTACTOR - motor	2
	55-3842	SCREW - contactor	4
	55-2001	FLATWASHER	8
	55-4560	NUT	4
9	42-792	SELECTOR - phase	1
	55-3019	SCREW - indicator	2



HIGH VOLTAGE BOX (460V w/ 24 hp motor)



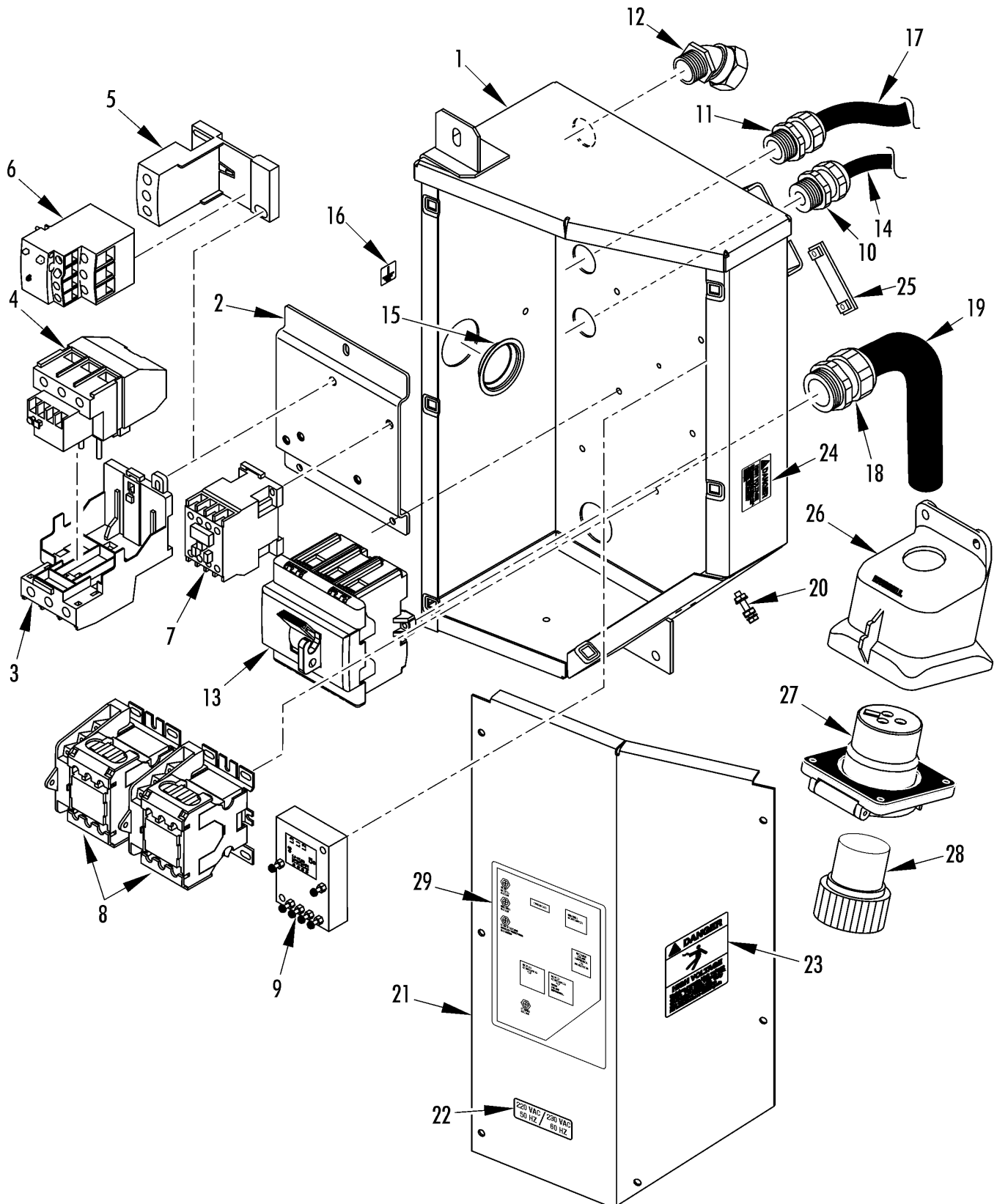
240D8

Revised
11/13/13

REF	PART NO.	DESCRIPTION	QTY
	55-2001	FLATWASHER	4
	55-4560	NUT	2
10	55-6742	GRIP - cable	1
	55-2635	NUT - grip	1
11	55-6141	GRIP - cable	1
	55-2635	NUT - grip	1
12	55-5286	GRIP - cable	1
13	55-5112	GRIP - cable	1
14	41-9112	HARNESS - heater	1
	44-9866	*TERMINAL - wirepin (14 ga)	6
	44-2791	*TERMINAL - ring (blue #10, 14-16 ga)	2
15	55-6474	PLUG - button	1
16	91-9137	NAMEPLATE - Grounding	2
17	41-8728	CABLE - high voltage	1
18	99-3281	MOUNT - cable tie	1
	55-2330	BANDWRAP	1
	55-2260	RIVET	1
19	99-6093	MOUNT - cable tie	5
	55-2330	BANDWRAP	5
	55-3136	RIVET	5
20	55-3000	SCREW - ground	2
	55-2996	LOCKWASHER (internal tooth)	6
	55-2001	FLATWASHER	2
	55-2965	NUT	4
21	92-2727	COVER - box	1
	55-3099	SCREW - cover	6
	55-1511	LOCKWASHER	6
	55-431	FLATWASHER	6
	55-4508	NUT - captive	6
22	99-2664	NAMEPLATE - 460 Volt	1
23	99-7671	NUTSTRIP - box	1
24	42-1387	HOLDER - fuse	1
25	42-1388	FUSE (15 fuse)	3

240A2

HIGH VOLTAGE BOX (460V w/ 24 hp motor & remote receptacle)

Revised
01/16/15

HIGH VOLTAGE BOX (460V w/ 24 hp motor & remote receptacle)

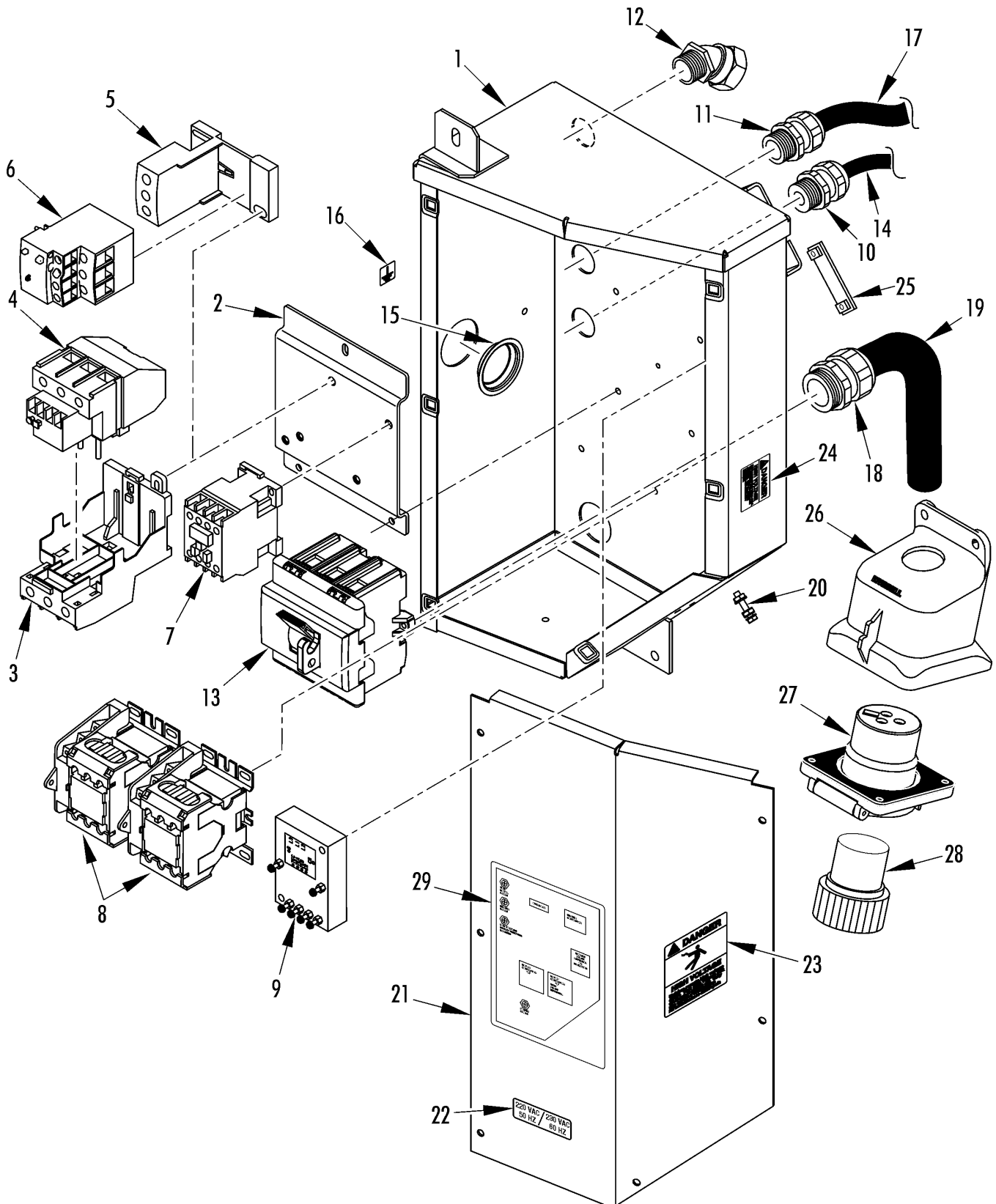


240A2

REF	PART NO.	DESCRIPTION	QTY
1	98-8215	BOX - high voltage	1
	55-2969	SCREW - box	3
	55-790	LOCKWASHER	3
	55-371	FLATWASHER	3
2	92-8019	BRACKET - contactor	1
	55-3842	SCREW - bracket	3
	55-2001	FLATWASHER	6
	55-4560	NUT	3
3	41-736	BRACKET - relay	1
4	41-9110	RELAY - overload	1
	55-3022	SCREW - relay	2
	55-2202	LOCKWASHER	2
	55-2201	FLATWASHER	2
	55-4223	NUT	2
5	41-6096	BRACKET - relay	1
	55-2989	SCREW	1
	55-2202	LOCKWASHER	1
6	41-6409	RELAY - overload	1
	55-3511	SCREW	2
	55-2202	LOCKWASHER (internal tooth)	2
	55-2201	FLATWASHER	2
7	41-5629	CONTACTOR - heaters	1
	55-3511	SCREW - contactor	2
	55-2202	LOCKWASHER (internal tooth)	2
	55-2201	FLATWASHER	2
8	41-7934	CONTACTOR - motor	2
	55-3842	SCREW - contactor	4
	55-2001	FLATWASHER	8
	55-4560	NUT	4
9	42-792	SELECTOR - phase	1
	55-3019	SCREW - indicator	2
	55-2001	FLATWASHER	4
	55-4560	NUT	2

240A2

HIGH VOLTAGE BOX (460V w/ 24 hp motor & remote receptacle)

Revised
01/16/15

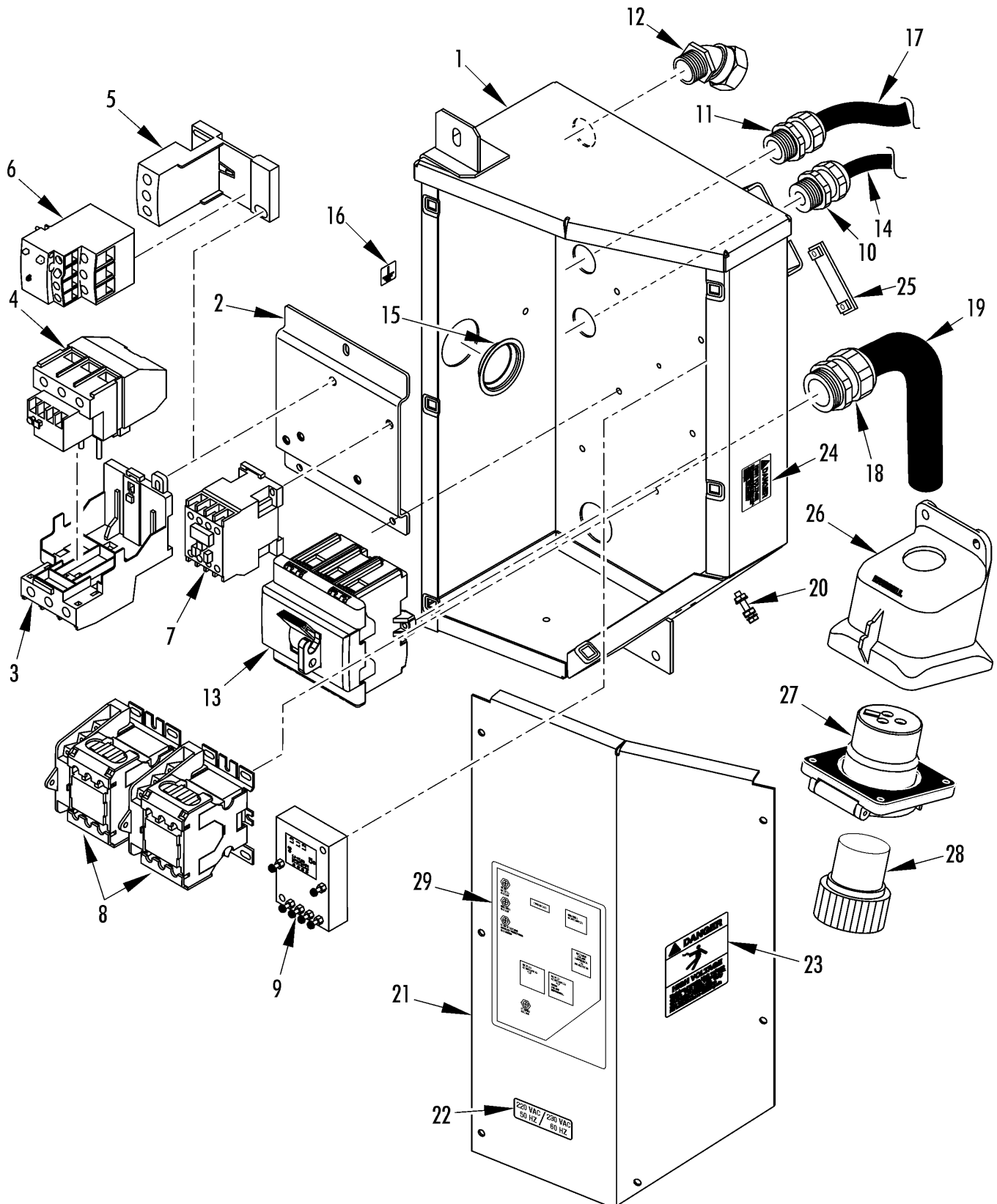
HIGH VOLTAGE BOX (460V w/ 24 hp motor & remote receptacle)


240A2

REF	PART NO.	DESCRIPTION	QTY
10	55-6742	GRIP - cable	1
11	55-6141	GRIP - cable	1
12	55-5286	GRIP - cable	1
13	41-9111	SWITCH - disconnect (80As)	1
	55-3511	SCREW - switch	2
	55-2201	FLATWASHER	2
	55-4223	NUT	2
14	41-9112	HARNESS - heater	1
	44-9866	*TERMINAL - wirepin (14 ga)	6
	44-2791	*TERMINAL - ring (blue #10, 14-16 ga)	2
15	55-6474	PLUG - button	1
16	91-9137	NAMEPLATE - Grounding	2
17	41-8728	HARNESS (high voltage box to low voltage box)	1
	44-8914	*CONNECTOR - 6-pin	1
	41-7510	*CONNECTOR - 9-pin	1
	41-7511	*TERMINAL - pin (gold 18-22 ga)	6
18	51-1962	FITTING - conduit	1
	51-1963	NUT - grip	1
19	41-9177	CABLE - power	1
	41-9113	CONDUIT - corrugated	1
20	55-3000	SCREW - ground	2
	55-2996	LOCKWASHER (internal tooth)	6
	55-2001	FLATWASHER	2
	55-2965	NUT	4
21	92-2727	COVER - box	1
	55-3099	SCREW - cover	6
	55-1511	LOCKWASHER	6
	55-431	FLATWASHER	6
	55-4508	NUT - captive	6
22	99-2664	NAMEPLATE - 460 Volt	1
23	92-7592	NAMEPLATE - High Voltage	1
24	92-7593	NAMEPLATE - High Voltage Warning	1
25	99-7671	NUTSTRIP - box	1

240A2

HIGH VOLTAGE BOX (460V w/ 24 hp motor & remote receptacle)

Revised
01/16/15

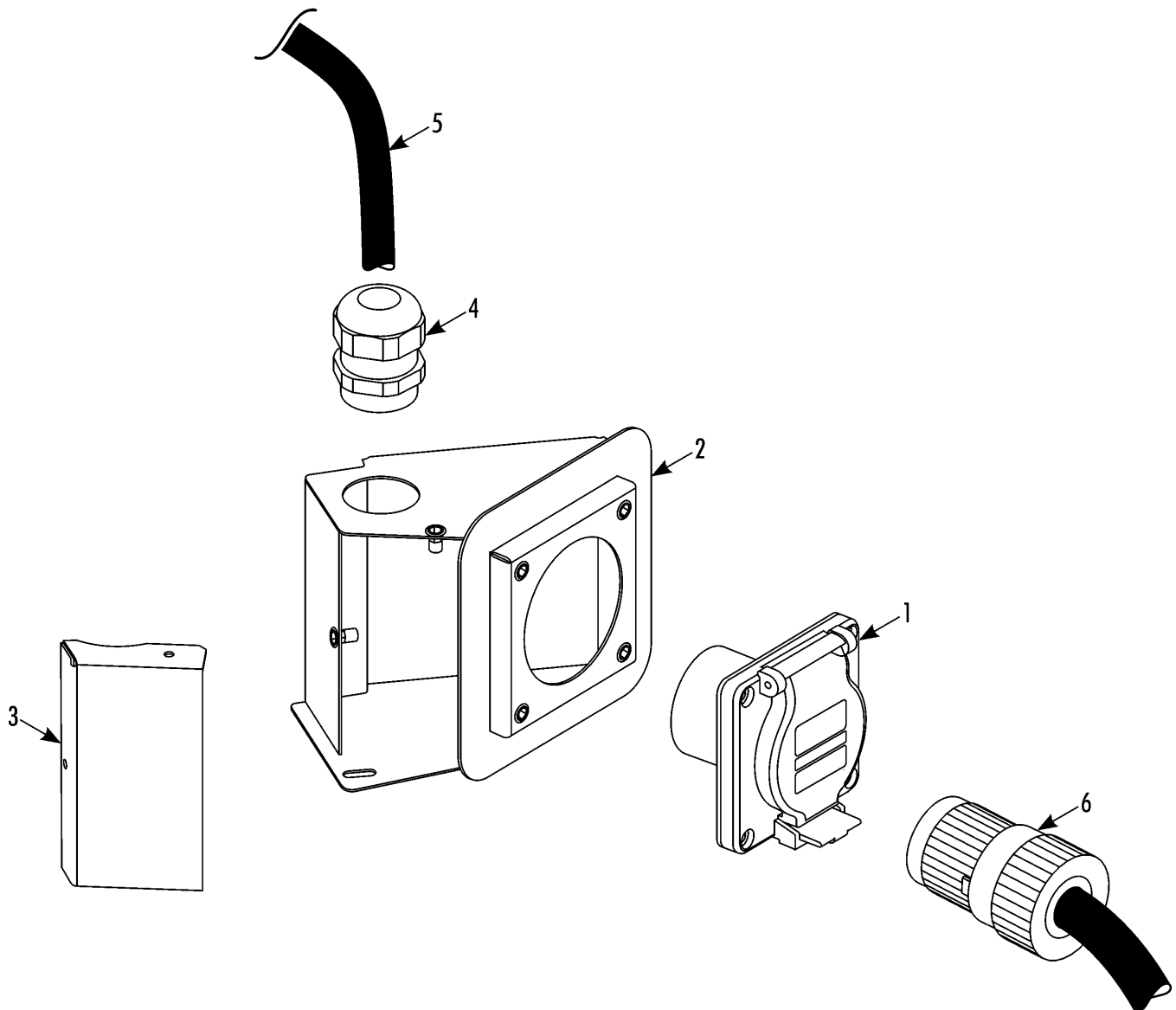
Revised
01/16/15

HIGH VOLTAGE BOX (460V w/ 24 hp motor & remote receptacle)



240A2

REF	PART NO.	DESCRIPTION	QTY
26	41-8292	BOX - receptacle	1
27	41-8295	RECEPTACLE - power (50A, 460V)	1
28	41-9166	PLUG - power (50A, 460V)	1
29	92-1247	NAMEPLATE - Components Location	1



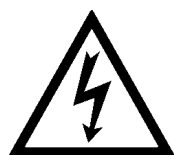
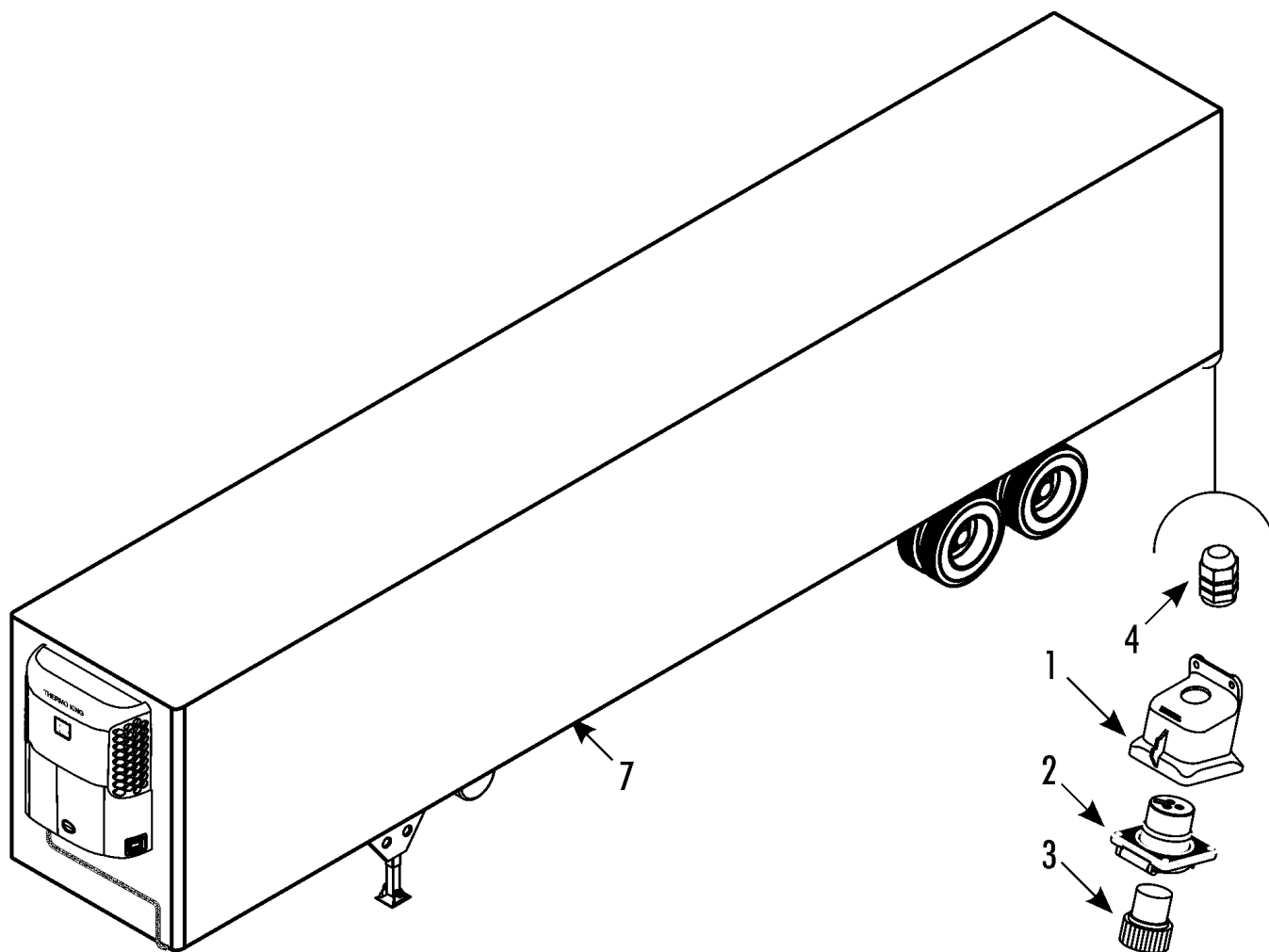


REF	PART NO.	DESCRIPTION	QTY
1	41-8275	RECEPTACLE - power (230/3/60, mates w/plug 41-1816)	1
	41-8277	RECEPTACLE - power (460/3/60, 30A, mates w/plug 44-4662)	1
	41-8295	RECEPTACLE - power (460/3/60, 50A, mates w/plug 41-9166)	1
	51-1780	SCREW - receptacle	4
	55-2996	LOCKWASHER	4
2	92-7081	BOX - receptacle	1
	55-1049	SCREW - box	2
	55-2996	LOCKWASHER	6
3	92-7082	DOOR - receptacle box	1
	55-1049	SCREW - door	2
	55-1511	LOCKWASHER	2
	55-431	FLATWASHER	2
4	55-5112	CONNECTOR - harness grip (230/3/60 cable)	1
	55-5885	CONNECTOR - harness grip (460/3/60 cable)	1
	41-4468	*TERMINAL - ring (yellow, 8 ga)	3
5	41-9116	CABLE - power (w/ 14 hp motor, 230/3/60)	1
	41-9114	*TERMINAL - ring (red, 10 ga)	1
	41-9115	*TERMINAL - ring (red, 6-8 ga)	3
	41-9117	CABLE - power (w/ 14 hp motor, 460/3/60)	1
	44-2792	*TERMINAL - ring (yellow, 10 ga)	1
	41-4468	*TERMINAL - ring (yellow, 8 ga)	3
	41-9177	CABLE - power (w/ 24 hp motor, 460/3/60)	1
	41-9114	*TERMINAL - ring (red, 10 ga)	1
	41-9115	*TERMINAL - ring (red, 6-8 ga)	3
6	41-1816	PLUG - power (230/3/60, mates w/41-8275)	1
	44-4662	PLUG - power (460/3/60, 30A, mates w/41-8277)	1
	41-9166	PLUG - power (460/3/60, 24 hp motor, mates w/41-8295)	1



REMOTE POWER RECEPTACLE 230V (w/ 14 hp motor)

Revised
01/16/15



5

220 VAC / 230 VAC
50 HZ / 60 HZ

6

Revised
01/16/15

REMOTE POWER RECEPTACLE 230V (w/ 14 hp motor)



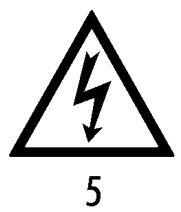
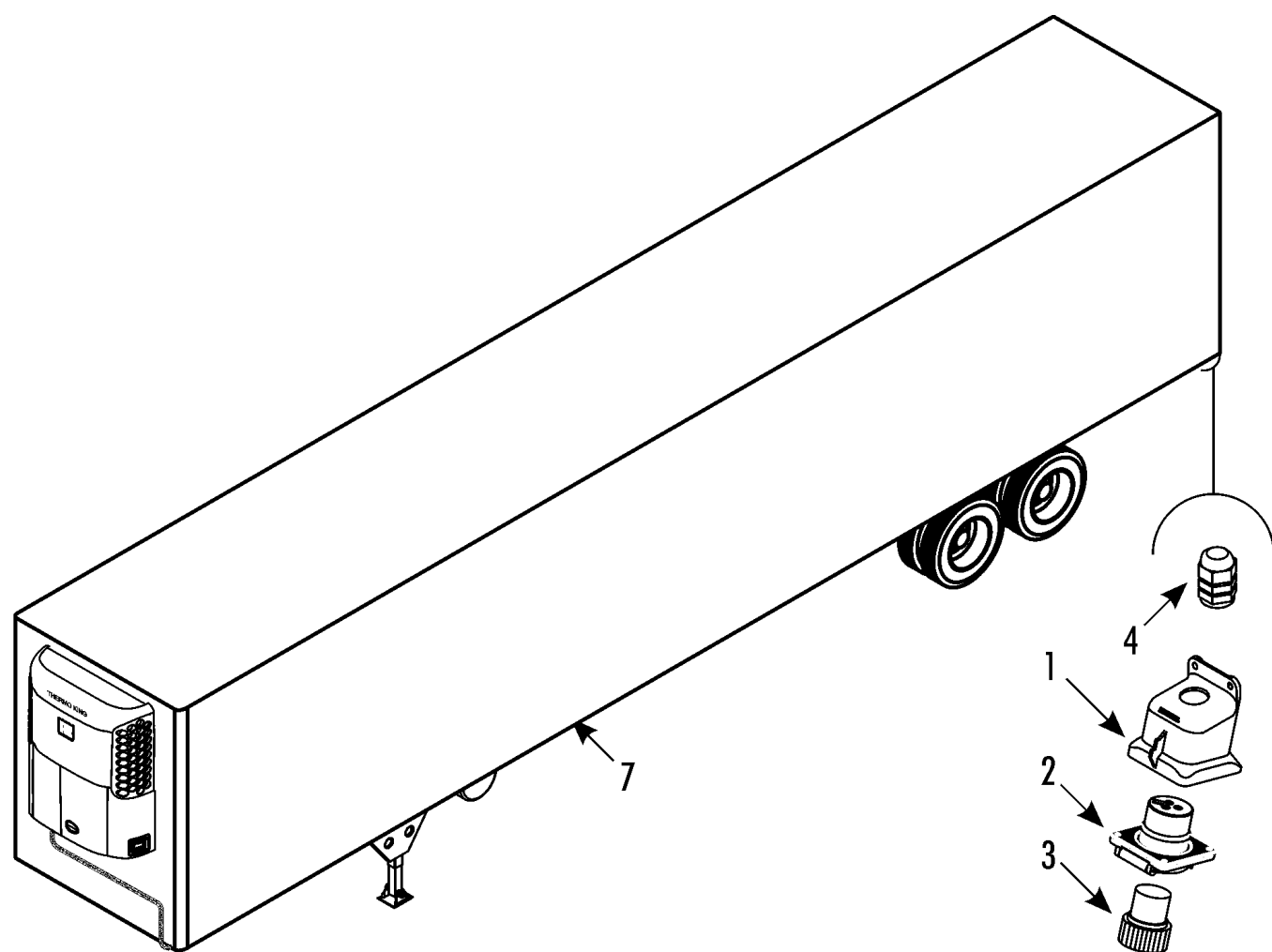
247C3

REF	PART NO.	DESCRIPTION	QTY
1	41-8292	BOX - receptacle	1
2	41-8275	RECEPTACLE - power (50A, 230V)	1
3	41-1816	PLUG - power (50A 230V)	1
4	51-1983	FITTING - cable grip	1
5	99-7834	NAMEPLATE - Caution	1
6	99-3061	NAMEPLATE - Volt 220/50 230/60	1
7	N/A	CABLE - power (customer supplied)	A/R



REMOTE POWER RECEPTACLE 460V (w/ 24 hp motor)

Revised
01/16/15



380 VAC / 460 VAC
50 HZ / 60 HZ

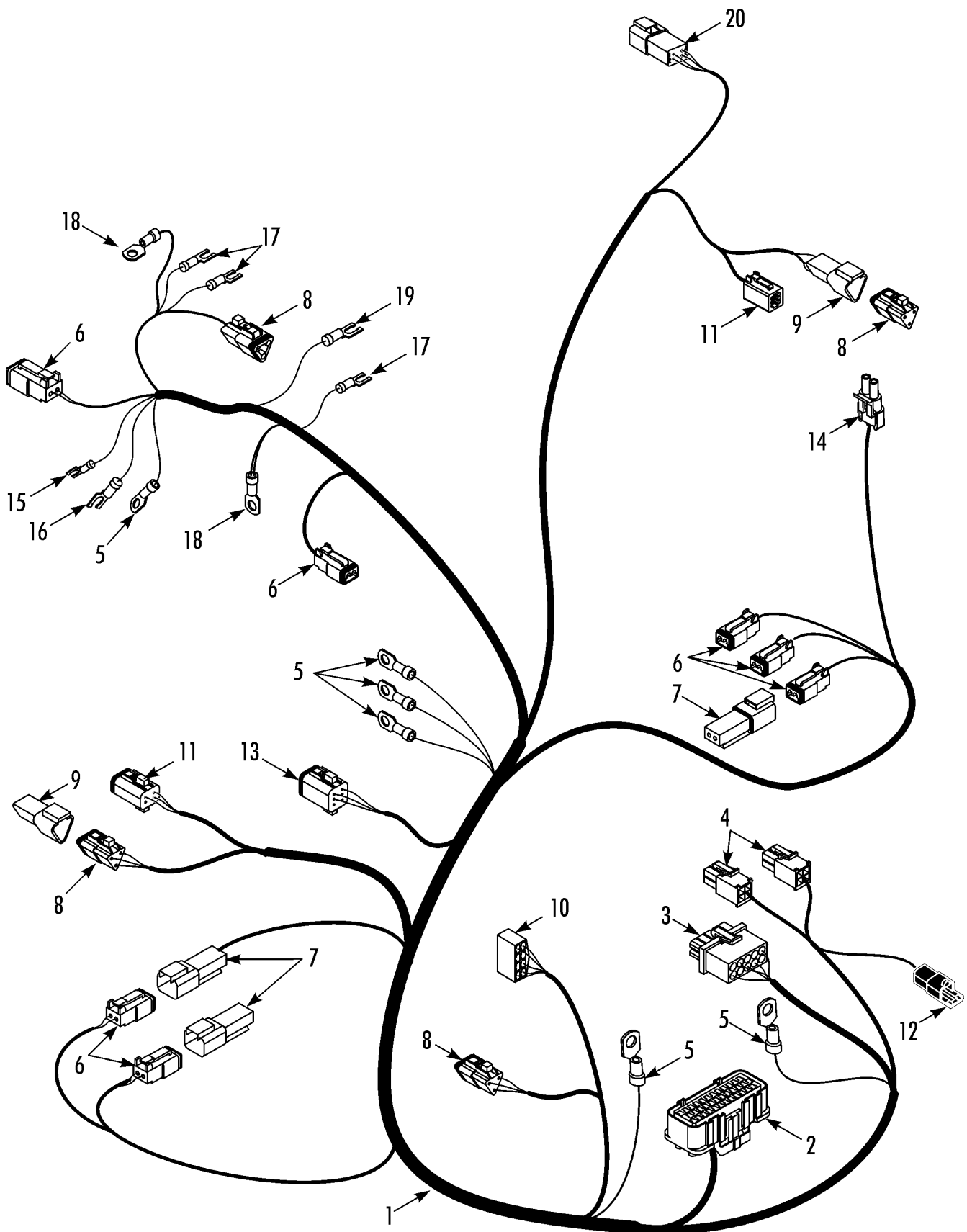
Revised
01/16/15

REMOTE POWER RECEPTACLE 460V (w/ 24 hp motor)



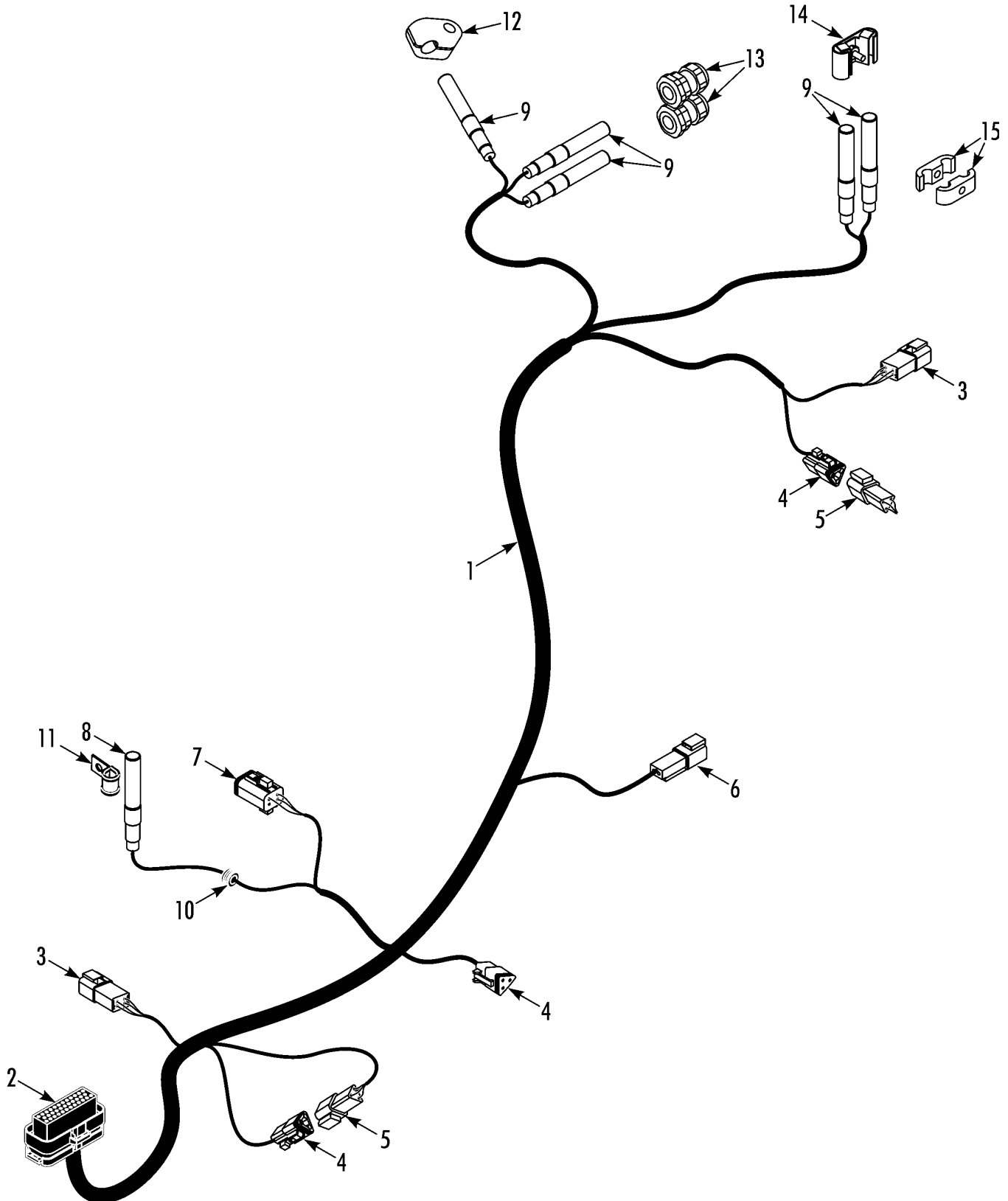
241G3

REF	PART NO.	DESCRIPTION	QTY
1	41-8292	BOX - receptacle	1
2	41-8295	RECEPTACLE - power (50A, 460V)	1
3	41-9166	PLUG - power (50A 460V)	1
4	51-1983	FITTING - cable grip	1
5	99-7834	NAMEPLATE - Caution	1
6	99-2664	NAMEPLATE - Volt 380/50 460/60	1
7	N/A	CABLE - power (customer supplied)	A/R



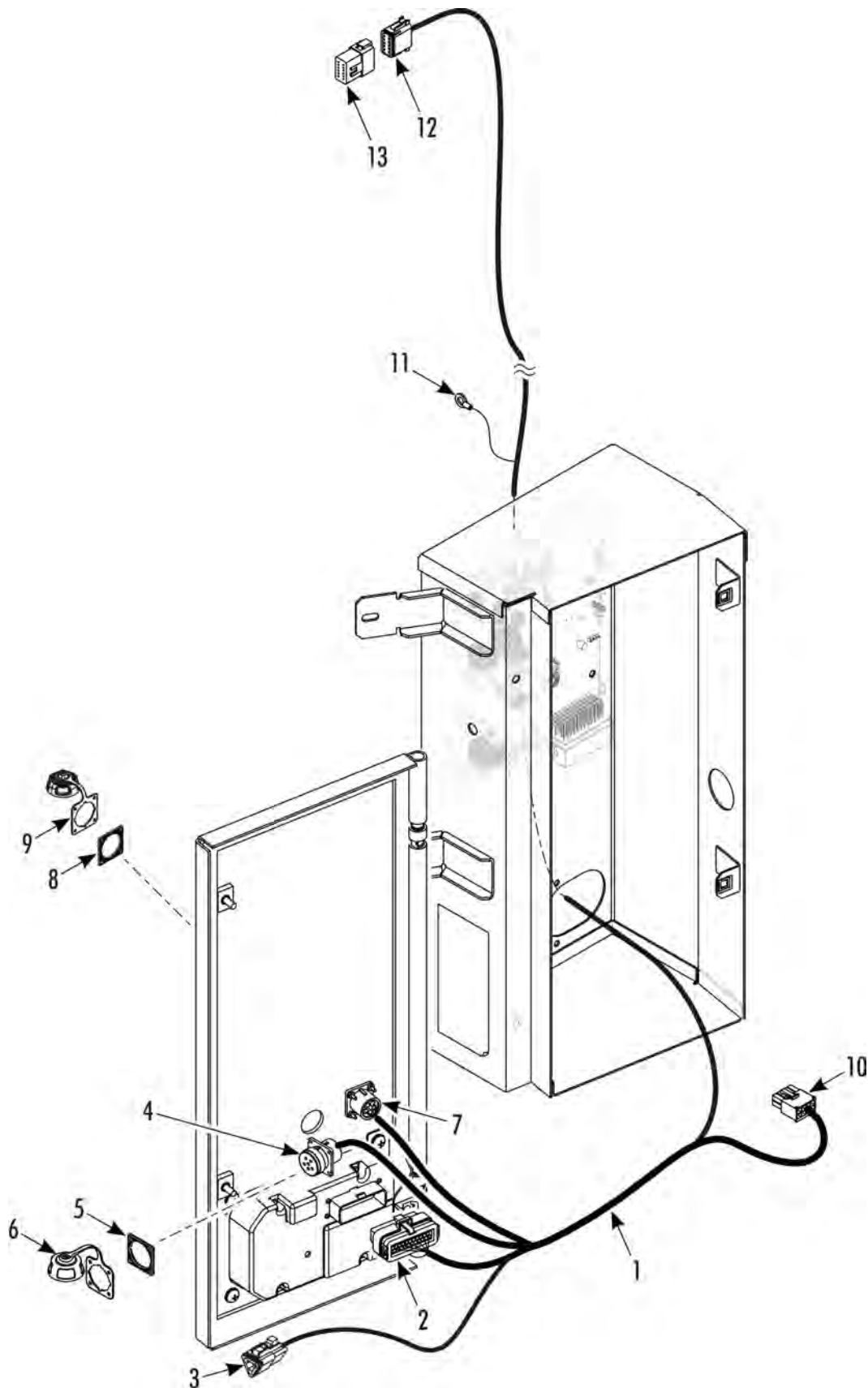


REF	PART NO.	DESCRIPTION	QTY
1	41-9692	HARNESS - main (SB-330/230/130)	1
	42-650	HARNESS - main (SB-330 RR)	1
2	44-9768	*RECEPTACLE - 36-pin (J7)	1
	44-9769	*LOCK - receptacle	1
	44-9855	*TERMINAL	24
3	41-9693	*CONNECTOR - 10-pin (J5)	1
	33-4754	*GASKET 10-pin connector	1
	41-5719	*SOCKET (20-16 gauge)	5
	41-6256	*SEAL - wire	5
4	41-5710	*CONNECTOR - 4-pin (J6 & J8)	2
5	44-2793	*TERMINAL - ring (1/4 yellow)	5
6	44-9585	*PLUG (2-pin, w/ seal)	8
7	44-9589	*RECEPTACLE (2-pin)	4
8	44-9631	*CONNECTOR (3-pin)	5
9	44-9544	*RECEPTACLE (3-pin)	2
10	44-5719	*CONNECTOR - 8-pin (J15)	1
	44-5630	*TERMINAL	5
11	44-8935	*PLUG (4-pin, w/ seal)	2
12	44-6451	*CONNECTOR - 1-pin (fuel level switch)	1
13	44-8920	*CONNECTOR - 6-pin (remote light)	1
14	41-6573	*CONNECTOR - 2-pin (coolant level switch)	1
	41-6574	*LOCK	1
	41-6575	*TERMINAL	2
15	41-9249	*TERMINAL - throttle solenoid (single wire, 16 ga)	1
16	44-5087	*TERMINAL - throttle solenoid (two wire, 16 ga)	1
17	44-2788	*TERMINAL - flywheel sensor (22-16 ga red)	4
18	44-5089	*TERMINAL - engine ground (3/8)	1
19	41-9022	*TERMINAL - starter (16 ga)	1
20	44-8915	*RECEPTACLE - 4-pin	1



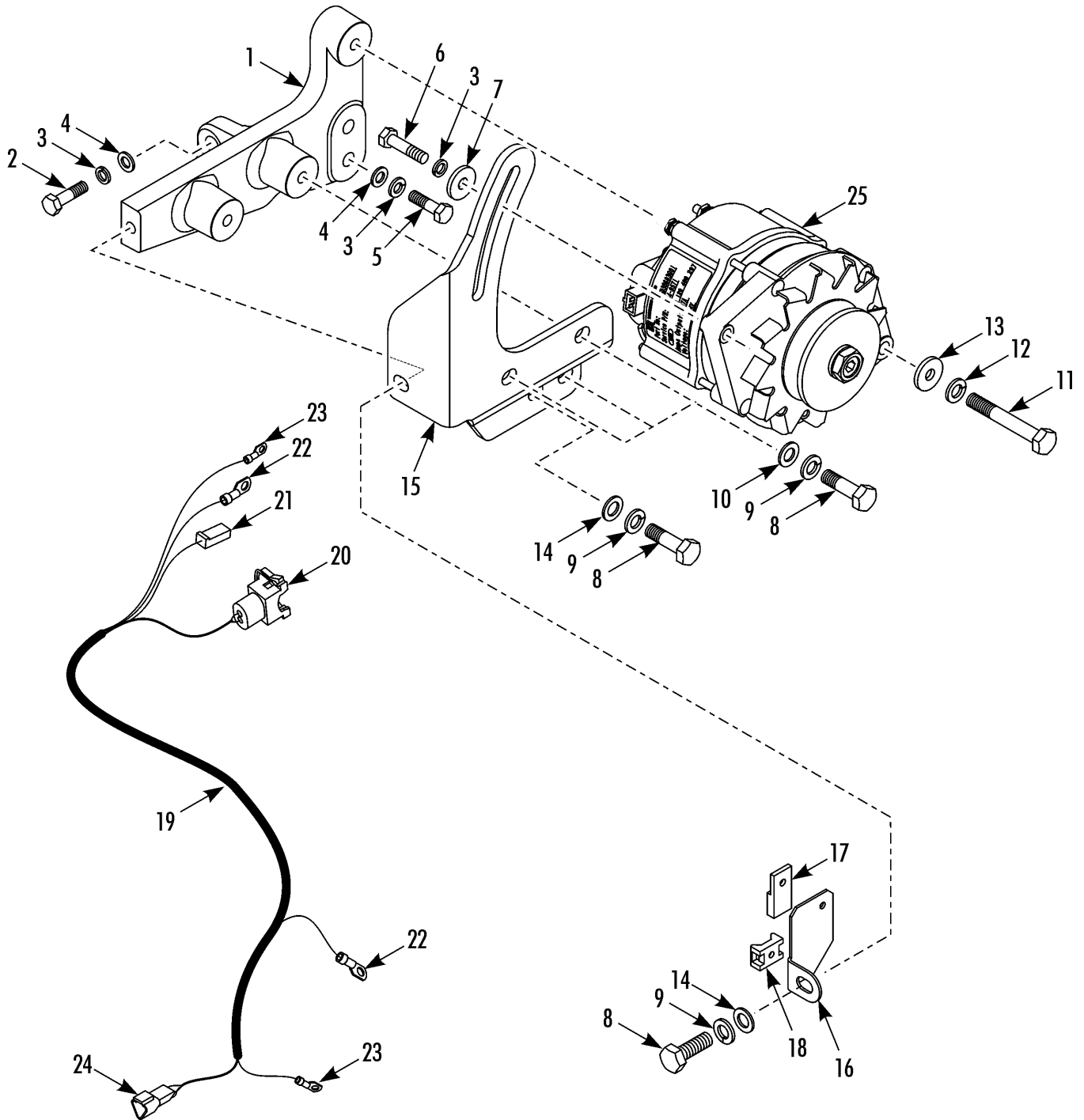


REF	PART NO.	DESCRIPTION	QTY
1	41-9696	HARNESS - sensor	1
2	41-2407	*PLUG - 35-pin	1
	41-2457	*TERMINAL - socket	21
	41-9694	*PIN - sealing	14
3	44-8915	*RECEPTACLE - 4-pin (main harness & suction pressure transducer)	2
4	44-9631	*CONNECTOR (3-pin, w/ seal, fuel sensor & spare sensor)	3
	41-8821	*PIN - gold (18 ga)	7
5	44-9544	*RECEPTACLE (3-pin)	2
6	44-9589	*RECEPTACLE (2-pin)	1
7	44-8935	*PLUG (4-pin, w/ seal, discharge pressure transducer)	1
	41-8816	*SOCKET - gold (18 ga)	4
8	40-975	*KIT - sensor	1
9	40-974	*KIT - sensor	5
10	33-1213	GROMMET - sensor	1
11	55-547	CLAMP - sensor & harness	2
12	55-6388	CLAMP - evap coil sensor	1
	55-3031	SCREW - clamp	1
	55-2001	FLATWASHER	2
	55-4560	NUT	1
13	55-5111	CONNECTOR - sensors grip	2
14	92-4612	BRACKET - return air sensor	1
	55-3003	SCREW - bracket	1
	55-2998	LOCKWASHER	1
	55-2999	NUT	1
15	91-2686	CLAMP - sensor	2
	55-3031	SCREW - clamp	1
	55-2001	FLATWASHER	2
	55-4560	NUT	1





REF	PART NO.	DESCRIPTION	QTY
1	41-9701	HARNESS - HMI	1
	42-651	HARNESS - HMI (RR)	1
2	41-5001	*PLUG - HMI	1
	41-2457	*TERMINAL - socket	30
3	44-9631	*CONNECTOR - 3-pin (w/ seal, see 112D9)	1
4	41-2405	*CONNECTOR - 5-pin (computer download)	1
	44-9591	*PIN - 18 ga	4
5	33-3868	*GASKET - cap	1
6	92-3067	*CAP - dust (5-pin)	1
7	44-8329	*RECEPTACLE - Cargo Watch	1
	44-9591	*PIN - 18 ga	6
8	33-3867	*GASKET - cap	1
9	92-3068	*CAP - dust (6-pin)	1
10	41-5709	*PLUG - 8-pin (J14)	1
	41-5719	*SOCKET - 20 ga (gold)	8
	41-6256	*SEAL - wire	8
11	44-2789	*TERMINAL - ring	1
12	44-9600	*PLUG - 12-pin (HMI sensor connector, see 112D9)	1
13	44-9904	*RECEPTACLE - cover	1



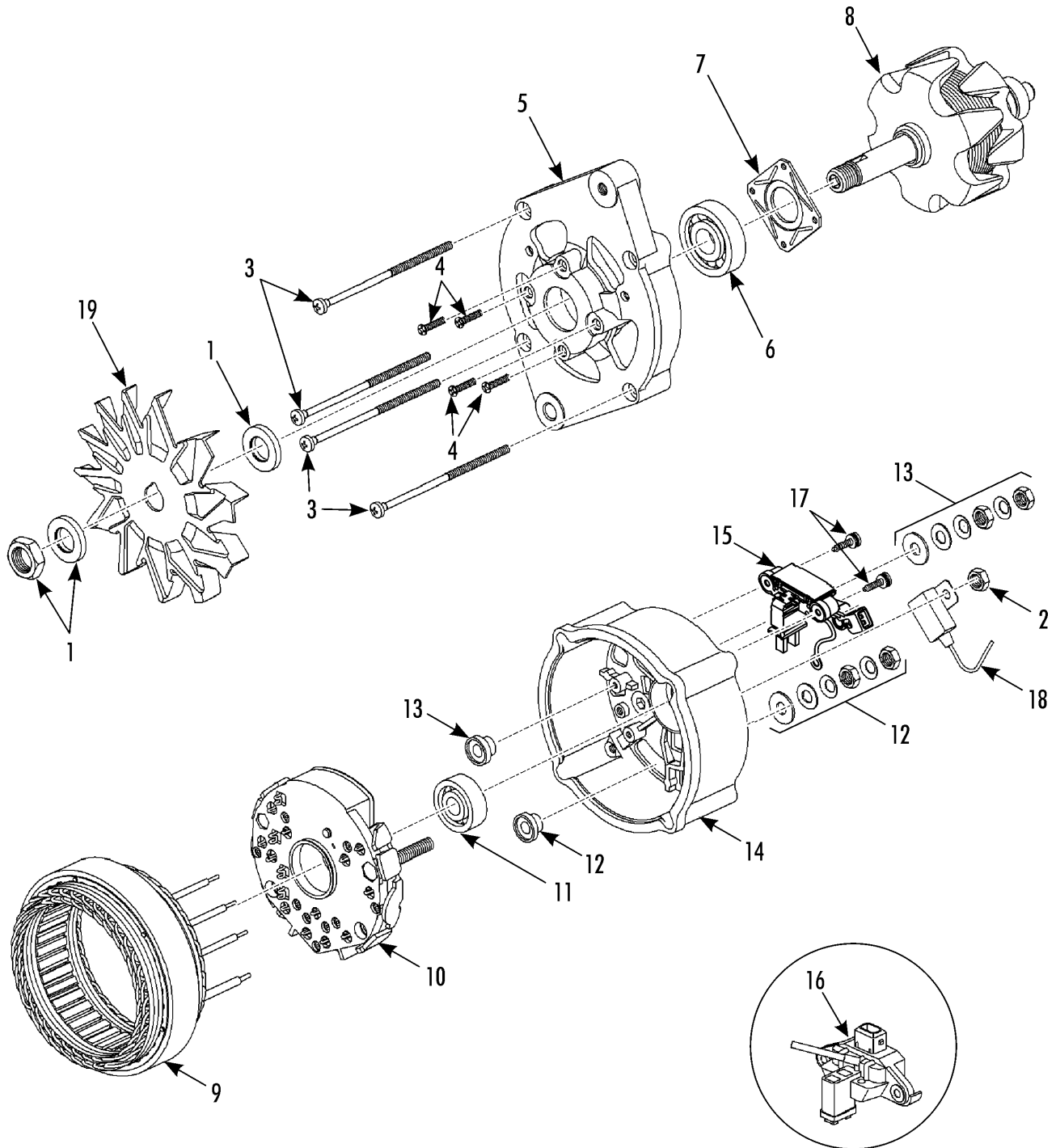
ALTERNATOR MOUNTING (30 units)



250A2

Revised
10/13/14

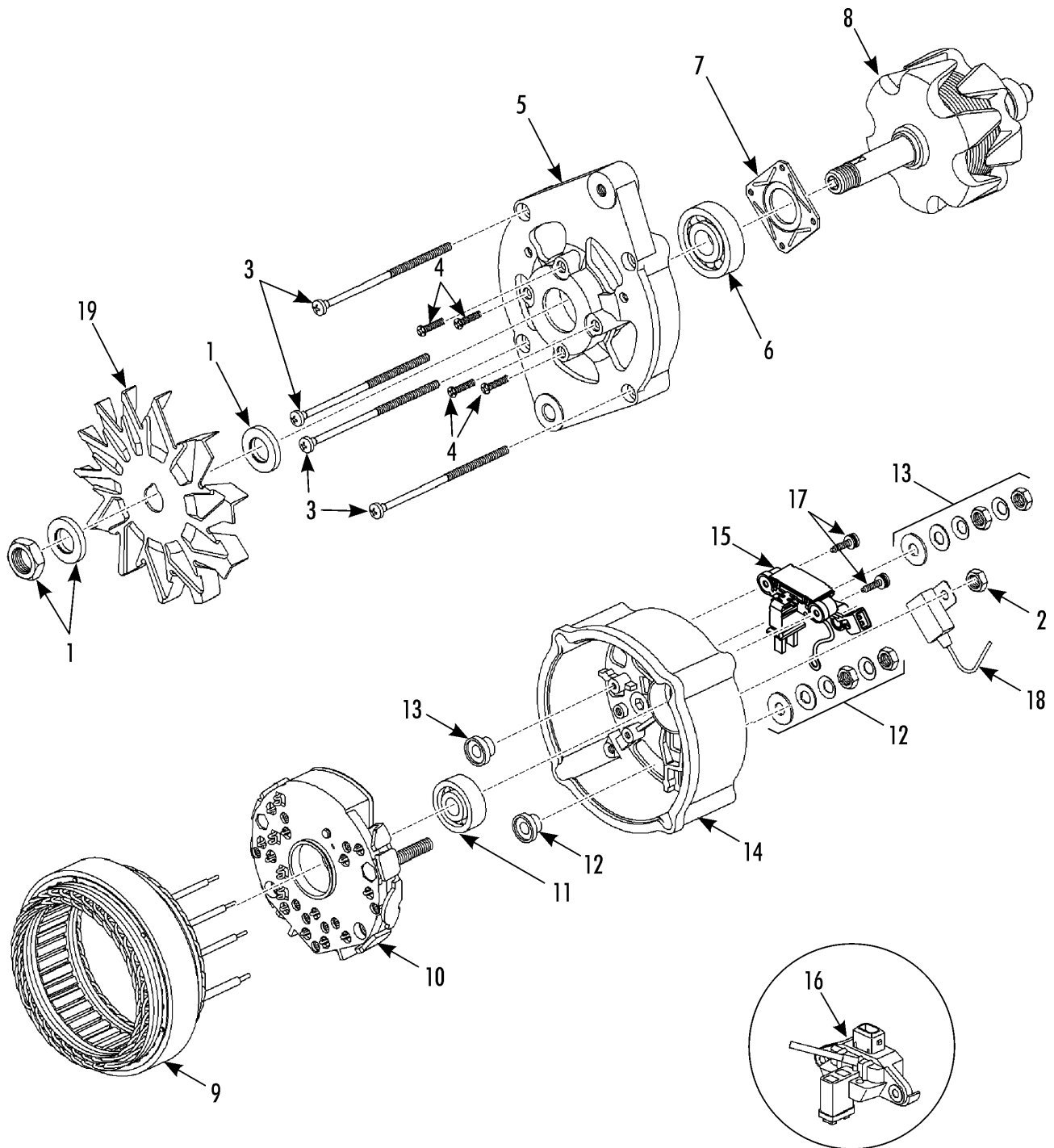
REF	PART NO.	DESCRIPTION	QTY
1	92-3870	BRACKET - alternator	1
2	51-1491	SCREW (M8 x 35)	2
3	55-790	LOCKWASHER	6
4	51-1497	WASHER - special	3
5	51-1492	SCREW - bracket (M8 x 40)	2
6	55-6215	SCREW - alternator (adjust, M8 x 30)	1
7	55-2769	WASHER - special	1
8	55-7004	SCREW - bracket (M10 x 30)	5
9	55-1173	LOCKWASHER (M10)	5
10	55-4931	WASHER - special	1
11	55-5419	SCREW - alternator (pivot, M10 x 70)	1
12	55-5411	LOCKWASHER (M10)	1
13	55-4625	FLATWASHER (M10.5)	1
14	55-7072	FLATWASHER (10.5 mm)	4
15	92-3866	BRACKET - alternator	1
16	92-533	BRACKET - alternator harness	1
17	44-9906	TAB - connector	1
	55-3136	RIVET - tab	1
18	99-3281	MOUNT - cable tie	1
	55-2260	RIVET - mount	1
19	41-9695	HARNESS - alternator SB-30 SR-3	1
20	44-9607	*CONNECTOR - female (2-pin)	1
	41-277	*TERMINAL - female	2
21	44-6381	*CONNECTOR - female (1-pin)	1
	44-5066	*TERMINAL - fin grip	1
22	44-2793	*TERMINAL - ring (yellow, 1/4)	2
23	44-2792	*TERMINAL - ring (yellow, #10)	2
24	44-9544	*RECEPTACLE - 3-pin	1
25	45-2589	ALTERNATOR (37A, w/o fan, extended life)	1
	45-2592	ALTERNATOR (37A, w/o fan, extended life)	1
	45-2590	ALTERNATOR (65A, w/o fan, extended life)	1
	41-6867	FAN - alternator (cw rotation)	1
	90-403	BRACKET, ALTERNATOR, CASTING	1





REF	PART NO.	DESCRIPTION	QTY
	45-2589	ALTERNATOR (TK extended life, 37A)	1
	45-2592	ALTERNATOR (Standard Life Plus)	1
	845-2589	ALTERNATOR (37A, reman, Europe)	1
	845-2681	ALTERNATOR (37A, reman, North America)	1
1	51-1255	*NUT	1
	51-2920	*WASHER	1
2	51-1260	*NUT	2
	51-1259	*LOCKWASHER	2
3	51-1272	*SCREW - housing	4
4	51-1311	*SCREW - flange	4
5	41-6886	*HOUSING - front	1
6	77-2852	*BEARING - fan end (front)	1
7	41-6869	*FLANGE - bearing	1
8	41-6875	*ROTOR	1
9	41-6872	*STATOR	1
10	41-6870	*RECTIFIER	1
11	77-2853	*BEARING - rear	1
	77-2851	*SPACER - bearing	1
12	51-947	*NUT	1
	51-1261	*INSULATOR	1
	51-1265	*FLATWASHER	1
	51-1263	*LOCKWASHER	1
	51-1264	*NUT	1
	51-1266	*NUT	1
13	51-1257	*NUT	1
	55-1260	*NUT	1
	55-1256	*LOCKWASHER	1
	55-1258	*FLATWASHER	1
14	41-6866	*HOUSING - rear	1
15	41-8851	*REGULATOR & BRUSH - TK (2006 and after, see note)	1
16	42-1379	*REGULATOR & BRUSH (before 2006, see note)	1
17	51-1312	*SCREW - brush	1
18	41-6871	*CAPACITOR	1

NOTE: Reman alternators could come with either regulator (item 15 or 16). See illustration and select appropriate regulator for your application.



Revised
03/18/16

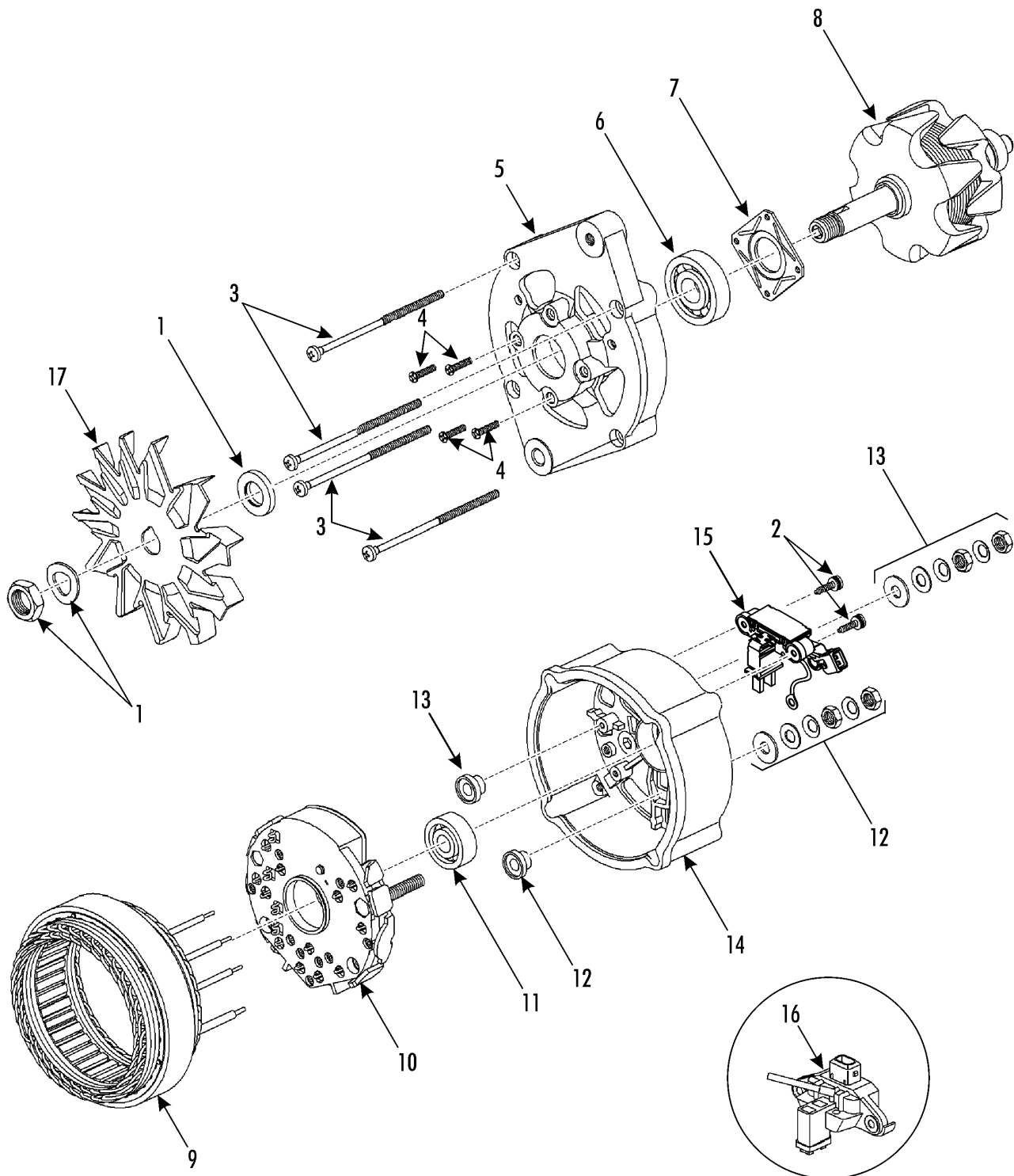
ALTERNATOR (37 AMP)



208F4

REF	PART NO.	DESCRIPTION	QTY
19	41-6867	FAN (cw rotation)	1

NOTE: Reman alternators could come with either regulator (item 15 or 16). See illustration and select appropriate regulator for your application.

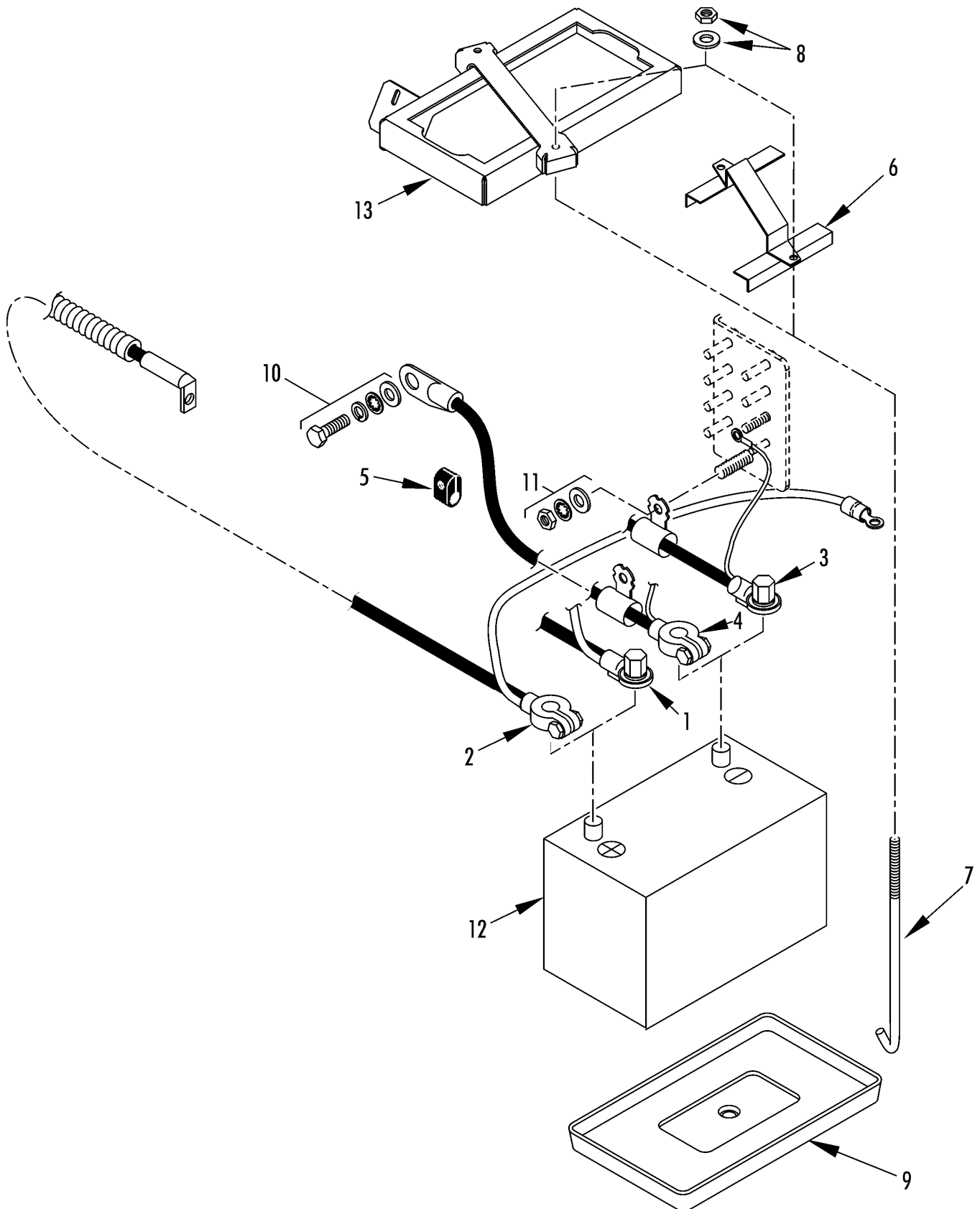


ALTERNATOR (65 AMP, CW)**242F5**Revised
03/18/16

REF	PART NO.	DESCRIPTION	QTY
	45-2590	ALTERNATOR (TK extended life, cw, 65A)	1
	45-2593	ALTERNATOR (65A, Standard Life Plus, CW)	1
	845-2682	ALTERNATOR (65A, w/o fan, reman, North America)	1
	845-2590	ALTERNATOR (65A, w/o fan, reman, Europe)	1
1	51-1255	*NUT	1
	51-2920	*WASHER	1
2	51-1312	*SCREW - brush	2
3	51-1272	*SCREW - housing	4
4	51-1311	*SCREW - flange	4
5	41-6886	*HOUSING - front	1
6	77-2852	*BEARING - fan end (front)	1
7	41-6869	*FLANGE - bearing	1
8	41-6876	*ROTOR	1
9	41-6873	*STATOR	1
10	41-6888	*RECTIFIER	1
11	77-2853	*BEARING - rear	1
	77-2851	*SPACER - bearing	1
12	51-947	*NUT	1
	51-1261	*INSULATOR	1
	51-1265	*FLATWASHER	1
	51-1263	*LOCKWASHER	1
	51-1264	*NUT	1
	51-1266	*NUT	1
13	51-1257	*NUT	1
	55-1260	*NUT	1
	55-1256	*LOCKWASHER	1
	55-1258	*FLATWASHER	1
14	41-6866	*HOUSING - rear	1
15	41-8851	*REGULATOR & BRUSH - TK (2006 and after, see note)	1
16	42-1379	*REGULATOR & BRUSH (before 2006, see note)	1
17	41-6867	FAN (cw rotation)	1

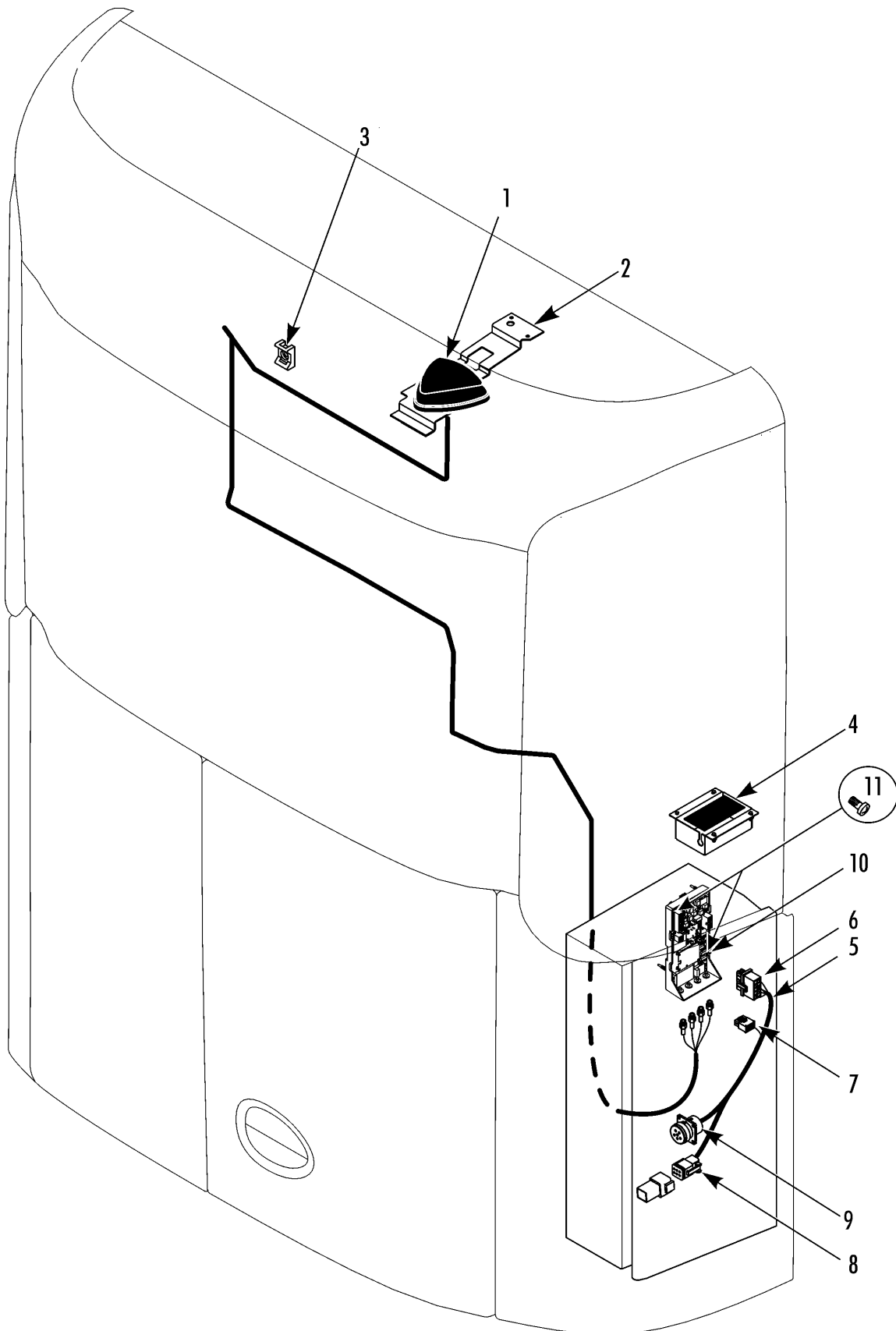
NOTE: TriPac applications, remove the CW fan from alternator and replace with fan (41-632). The alternators on the TriPac unit run the counter-clockwise (CCW) direction, so a CCW fan must be installed or the service life of the alternator will be reduced.

NOTE: Reman alternators could come with either regulator (item 15 or 16). See illustration and select appropriate regulator for your application.



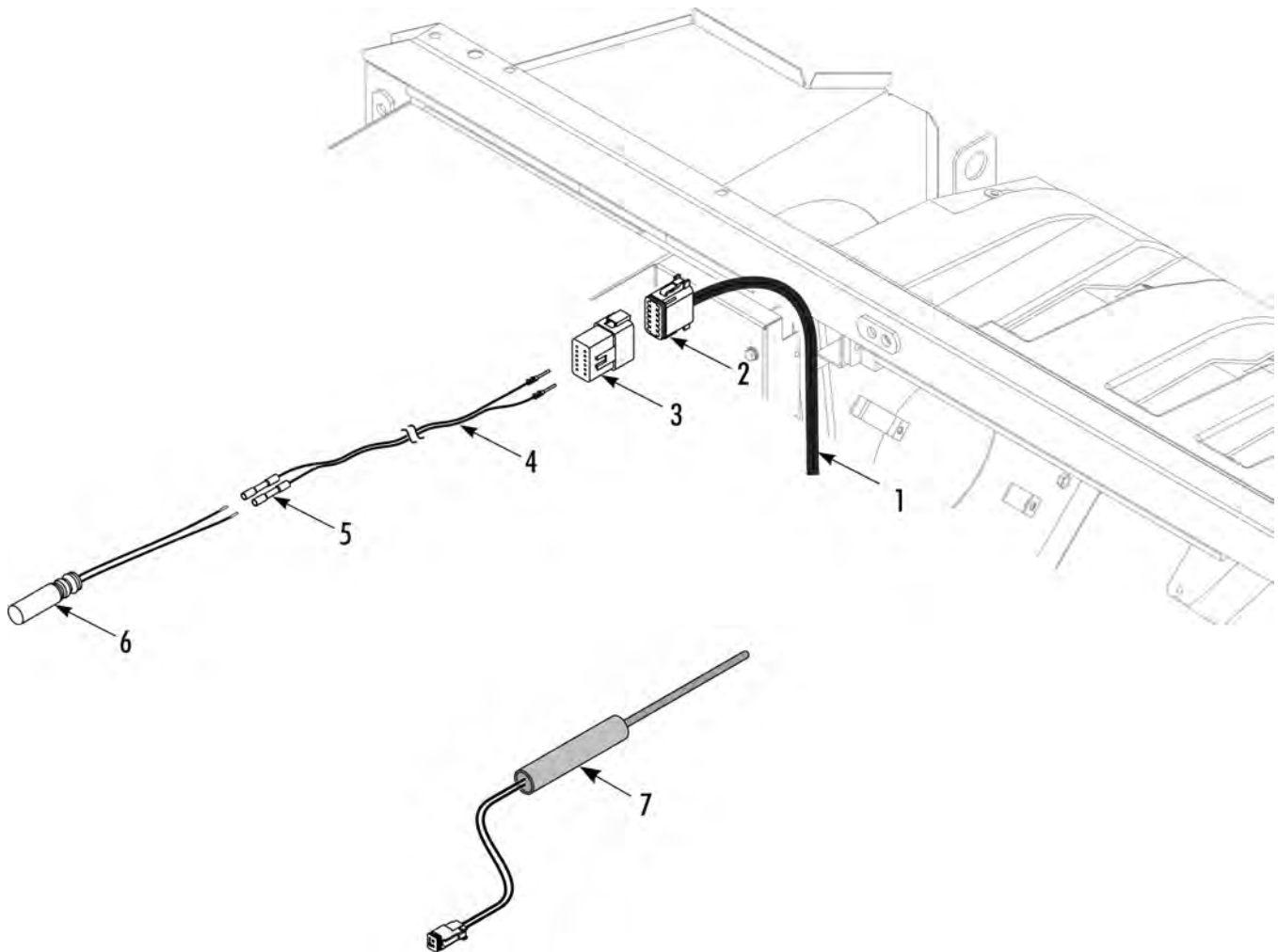


REF	PART NO.	DESCRIPTION	QTY
1	41-9697	CABLE - battery (positive, w/ threaded post)	1
2	41-9698	CABLE - battery (positive, w/ lug posts)	1
3	41-6566	CABLE - battery (negative, w/ threaded post)	1
4	41-6568	CABLE - battery (negative, w/ lug post)	1
	55-6211	NUT - battery cable	2
5	55-6388	CLAMP - battery post	3
	55-2979	SCREW - clamp	3
	55-1800	LOCKWASHER	3
	55-2086	FLATWASHER	3
6	99-9312	STRAP - battery holddown	1
7	92-1702	ROD - battery holddown (8.3 long)	1
	92-1703	ROD - battery holddown (10.3 long)	1
8	55-4118	NUT	2
	55-411	FLATWASHER	2
9	92-1769	TRAY - battery	1
10	55-5579	SCREW - ground (front of engine, below fuel pump)	1
	55-790	LOCKWASHER	1
	55-3996	LOCKWASHER (internal/external tooth)	1
	55-371	FLATWASHER	1
11	55-4955	NUT - ground plate	1
	55-3996	LOCKWASHER (internal/external tooth)	2
12	203-730	BATTERY (750CCA, tapered post)	1
	203-731	BATTERY (750CCA, threaded stud)	1
	203-732	BATTERY (925CCA, tapered post)	1
	203-733	BATTERY (925CCA, threaded post)	1
	203-550	BATTERY - EON (1150CCA, threaded stud)	1
	203-551	BATTERY - EON (1150CCA, tapered post)	1
13	92-8214	BRACKET - battery holddown (railroad unit option)	1
	55-4770	SCREW - bracket	2
	55-411	FLATWASHER	4
	55-4118	NUT	2





REF	PART NO.	DESCRIPTION	QTY
	40-1299	KIT - REB install for SB units	1
1	42-384	*ANTENNA - REB	1
2	92-9700	*BRACKET - antenna	1
	55-101	*SCREW - bracket	2
	55-411	*FLATWASHER	2
	55-366	*LOCKWASHER	2
3	99-6093	*MOUNT - band wrap	18
	51-321	*RIVET - mount	13
	55-2332	*BANDWRAP	13
4	203-788	*BATTERY - assembly (complete)	1
	98-8744	*BOLTPLATE - battery box	1
	55-1511	*LOCKWASHER	4
	55-431	*FLATWASHER	4
	55-5292	*NUT - battery box	4
5	41-9171	*HARNESS - iBox REB (3rd party)	1
6	41-9926	**PLUG - REB module (16-pin)	1
	33-4798	**GASKET - plug	1
	41-6256	**SEAL	9
	41-5719	**SOCKET (18 ga)	9
7	44-5719	**CONNECTOR - 8-pin (J12)	1
8	44-8914	**RECEPTACLE - 6-pin (3rd party connector)	1
9	41-2405	**CONNECTOR - 5-pin (configuration connector)	1
	44-9591	**PIN (18 ga)	3
	44-9602	**PIN - sealing	2
10	42-1754	REB - 3G 02	1
	42-1755	REB - 3G T-Mobile	1
	42-1756	REB - 3G T-Mobile WiFi	1
	42-1757	REB - 3G 02 WiFi	1
	45-2538	REB - iBox + 3rd Party 2-Way	1
11	51-2132	SCREW - REB module	2



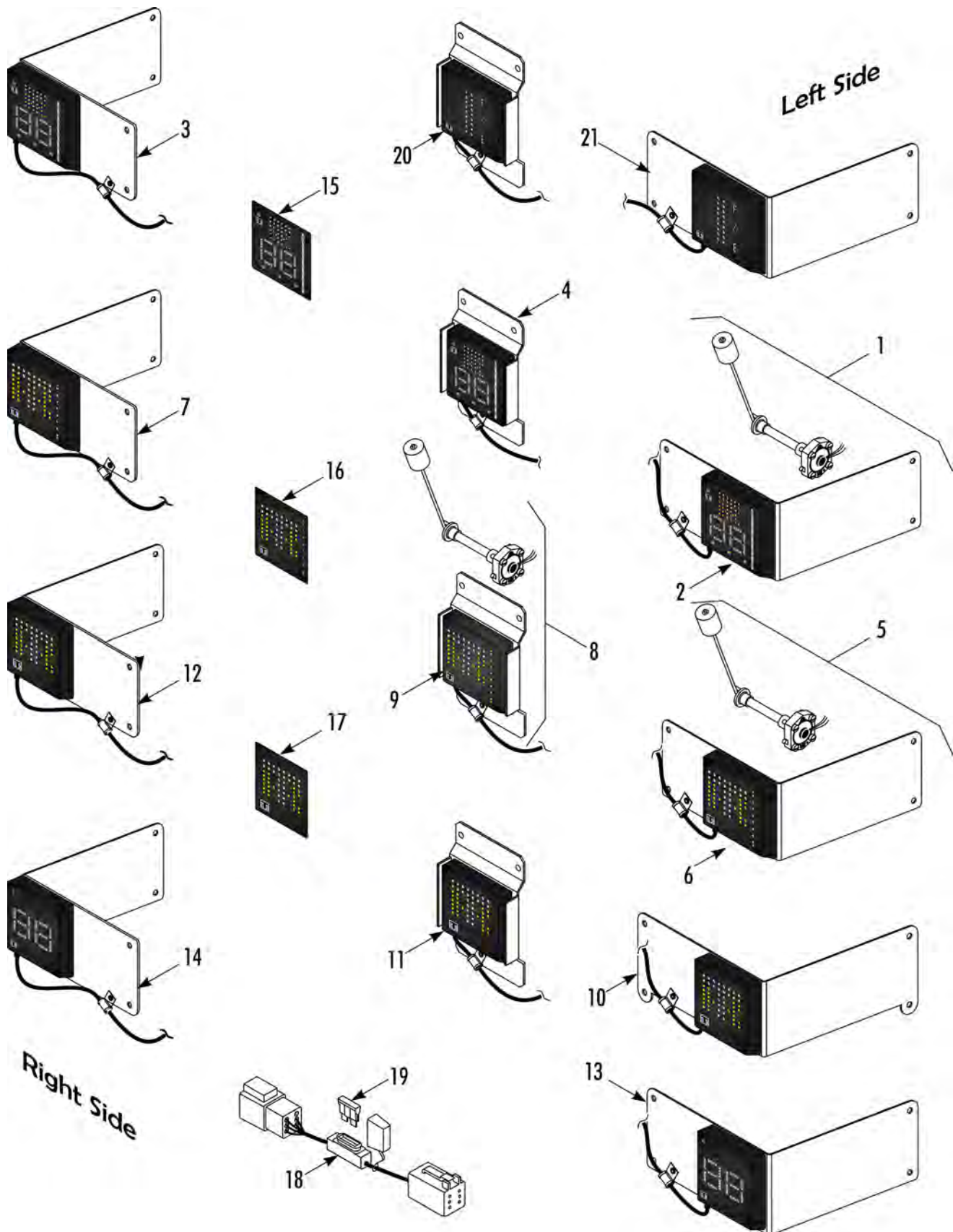
Cargo Watch HARNESSES AND SENSORS



189C0

Revised
05/15/13

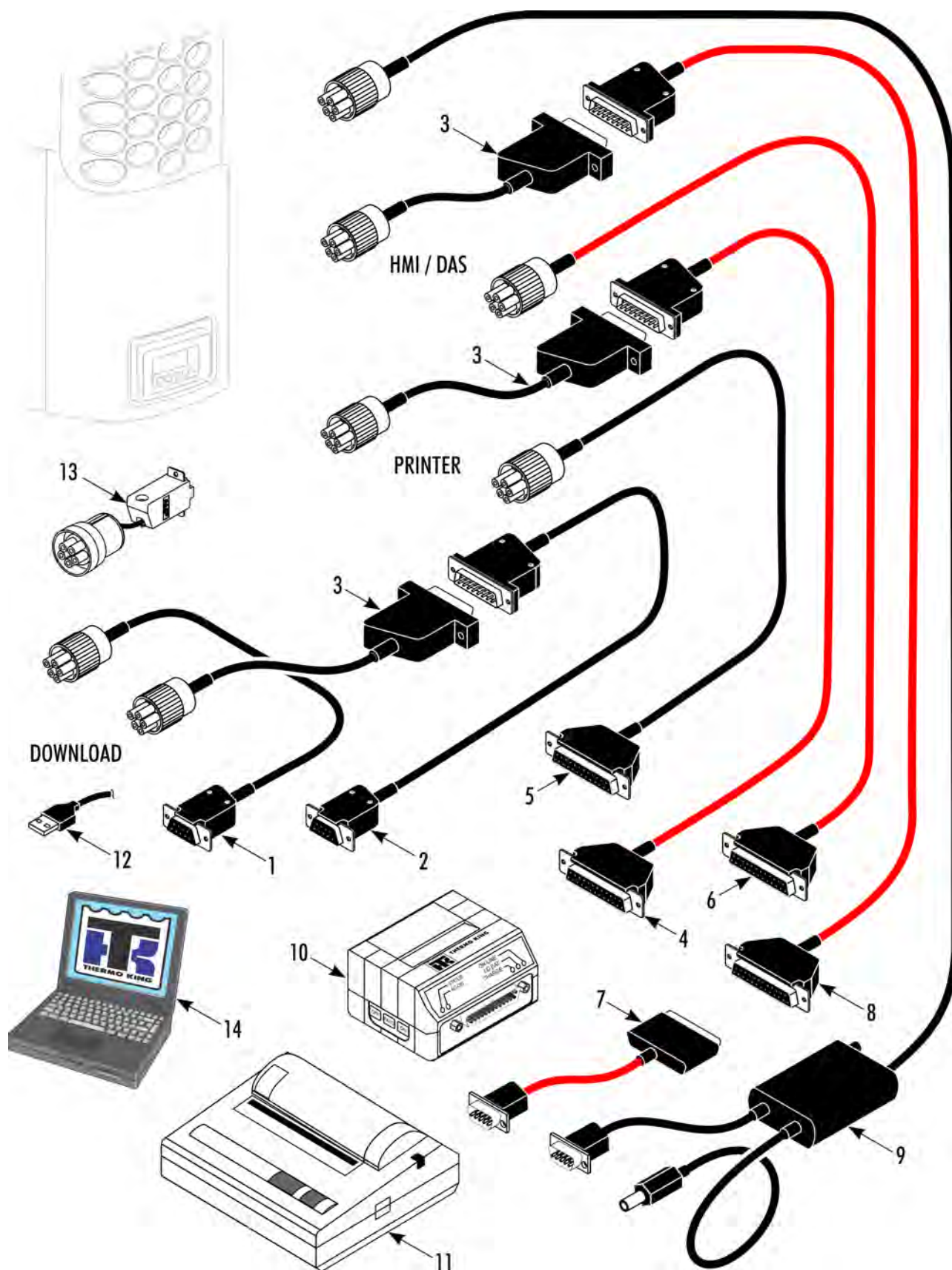
REF	PART NO.	DESCRIPTION	QTY
1	41-9701	HARNESS - HMI (SB)	1
	42-446	HARNESS - HMI (Precedent)	1
2	44-9600	*PLUG - 12-pin	1
3	44-9904	*RECEPTACLE - 12-pin	1
4	41-5488	HARNESS - Cargo Watch sensor (10 ft)	1
	41-5489	HARNESS - Cargo Watch sensor (20 ft)	1
	41-5490	HARNESS - Cargo Watch sensor (40 ft)	1
	41-5491	HARNESS - Cargo Watch sensor (60 ft)	1
	41-5492	HARNESS - Cargo Watch sensor (80 ft)	1
	41-9908	HARNESS - Cargo Watch sensor (100 ft)	1
5	41-124	TERMINAL - splice	2
6	41-5436	SENSOR - Cargo Watch	1
7	42-474	SENSOR - Cargo Watch, handheld (optional)	1



STATUS/ TEMPERATURE/ FUEL LEVEL DISPLAYS (North America)


226E6

REF	PART NO.	DESCRIPTION	QTY
1	40-1109	KIT - status/ temp/ fuel level display (left side, w/fuel gauge)	1
2	40-1110	KIT - status/ temperature/ fuel level display (left side)	1
3	40-1111	KIT - status/ temperature/ fuel level display (right side)	1
4	40-1112	KIT - status/ temperature/ fuel level display (flush mount)	1
5	40-1070	KIT - status/ fuel level display (left side, w/fuel gauge)	1
6	40-1068	KIT - status/ fuel level display (left side)	1
7	40-1069	KIT - status/ fuel level display (right side)	1
8	40-1071	KIT - status/ fuel level display (flush mount, w/fuel gauge)	1
9	40-1067	KIT - status/ fuel level display (flush mount)	1
10	40-980	KIT - status display (left side, SB)	1
	40-984	KIT - status display (left side, SLX, Precedent, T-Series Truck after 11/11)	1
	350-4665	KIT - status display (Carrier units only)	1
11	40-981	KIT - status display (flush mount, SB)	1
	40-989	KIT - status display (flush mount, SLX, Precedent)	1
12	40-996	KIT - status display (right mount, SB Australia)	1
	40-985	KIT - status display (right side, SLX, Precedent)	1
13	40-1119	KIT - temperature display (left side, degrees F, 12V only)	1
	40-1120	KIT - temperature display (left side, degrees C, 12V only)	1
14	40-1121	KIT - temperature display (right side, degrees C, 12V only)	1
15	41-9024	DISPLAY - face plate decal (status/ temp/ fuel level display)	1
16	41-9025	DISPLAY - face plate decal (status/ fuel level display)	1
17	41-9023	DISPLAY - face plate decal (status display)	1
18	41-6742	HARNESS - fuse (multi temp units)	1
19	41-1932	FUSE (1A)	1
20	40-1160	KIT - fuel level (flushmount)	1
21	40-1165	KIT - fuel level (left side)	1

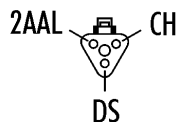
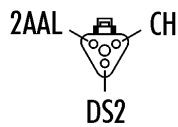
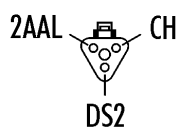
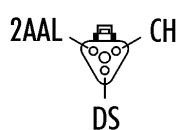
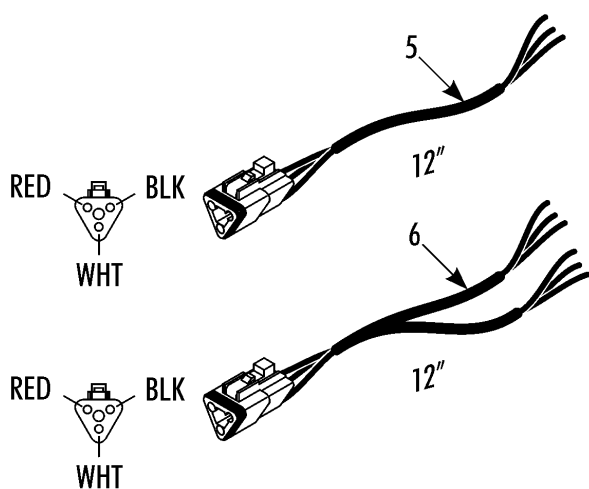
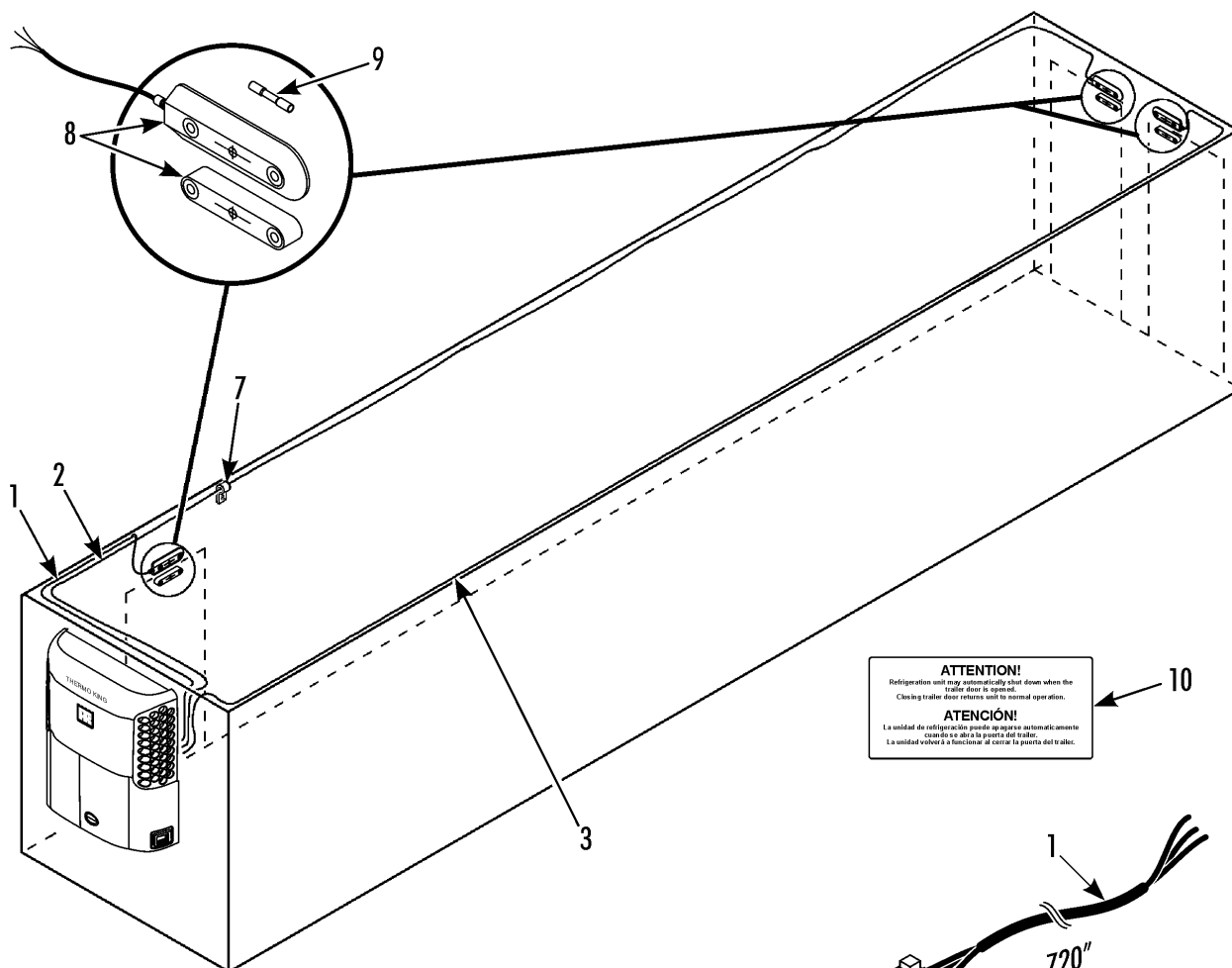


DOWNLOAD CABLES (UNITS w/TG VI & SR-2/SR-3 MICROPROCESSOR)


156B2

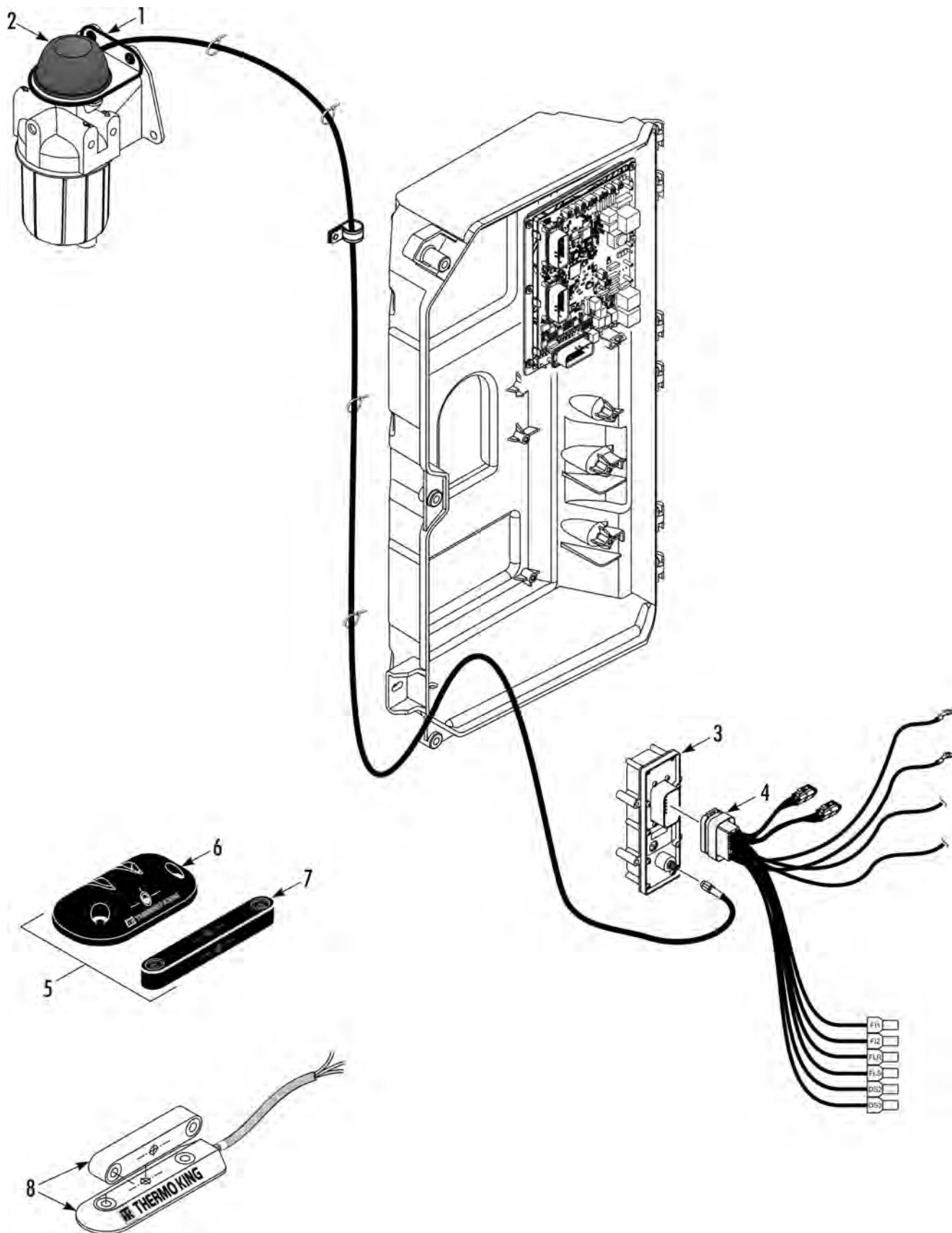
REF	PART NO.	DESCRIPTION	QTY
1	204-1040	CABLE - data (5-pin Deutsch, 9-pin D PC, 20 ft)	1
2	44-9417	CABLE - data (15-pin D, 9-pin D PC, 20 ft)	1
	44-9418	CABLE - data (15-pin D, 9-pin D PC, 50 ft)	1
3	204-918	ADAPTER - cable (15-pin D PC to 5-pin Deutsch)	1
4	44-9563	CABLE - printer (15 in D, 25-pin D PC, 20 ft)	1
5	204-1027	CABLE - data (5-pin Deutsch, 25-pin D PC, 6 M)	1
6	204-1018	CABLE - DAS/HMI printer (6-pin Deutsch, 25-pin D, 20 ft)	1
7	204-1031	CABLE - adapter (for printer cables 44-9563, 204-1026 & 204-1027)	1
8	204-1026	CABLE - DAS/HMI printer (6-pin Deutsch, 9-pin D, 20 ft)	1
9	204-1028	CABLE - DAS/HMI data (6-pin Deutsch, 9-pin D printer w/ dc power, 20 ft)	1
10	204-844	PRINTER (12V)	1
	203-411	BATTERY - printer	1
	205-242	PAPER (pack of 5)	1
	205-243	RIBBON - ink (pack of 5)	1
11	204-1020	PRINTER - hand held (12V, see 192A2)	1
	205-246	PAPER (4-3/8 wide)	1
12	204-1109	ADAPTER - serial port to USB	1
13	41-8132	CABLE - RS232 Bluetooth adapter	1
14	N/A	COMPUTER - Windows based	1

NOTE: Red cables are printer cables. Black or gray cables are download cables.



DOOR SWITCH TRAILER (3 TEMP SR)**144E4**Revised
06/12/14

REF	PART NO.	DESCRIPTION	QTY
1	41-1798	HARNESS - door switch (zone 1)	1
2	41-1799	HARNESS - door switch (zone 2)	1
3	41-2464	HARNESS - door switch (zone 3)	1
4	41-3660	HARNESS - door switch (2 Switches, parallel)	1
5	41-7281	HARNESS - door switch (3 Switches)	1
6	41-7282	HARNESS - door switch (2 Switches, parallel)	1
7	55-2272	CLAMP - harness	A/R
	55-5640	SCREW - clamp	A/R
8	40-1135	KIT - door switch	A/R
	55-8421	SCREW - switch (1.0 in)	A/R
	51-1321	SCREW - switch (0.75 in)	A/R
	55-2001	FLATWASHER	A/R
9	41-130	TERMINAL - splice (heat shrink)	A/R
10	92-4772	NAMEPLATE - Door Switch	1

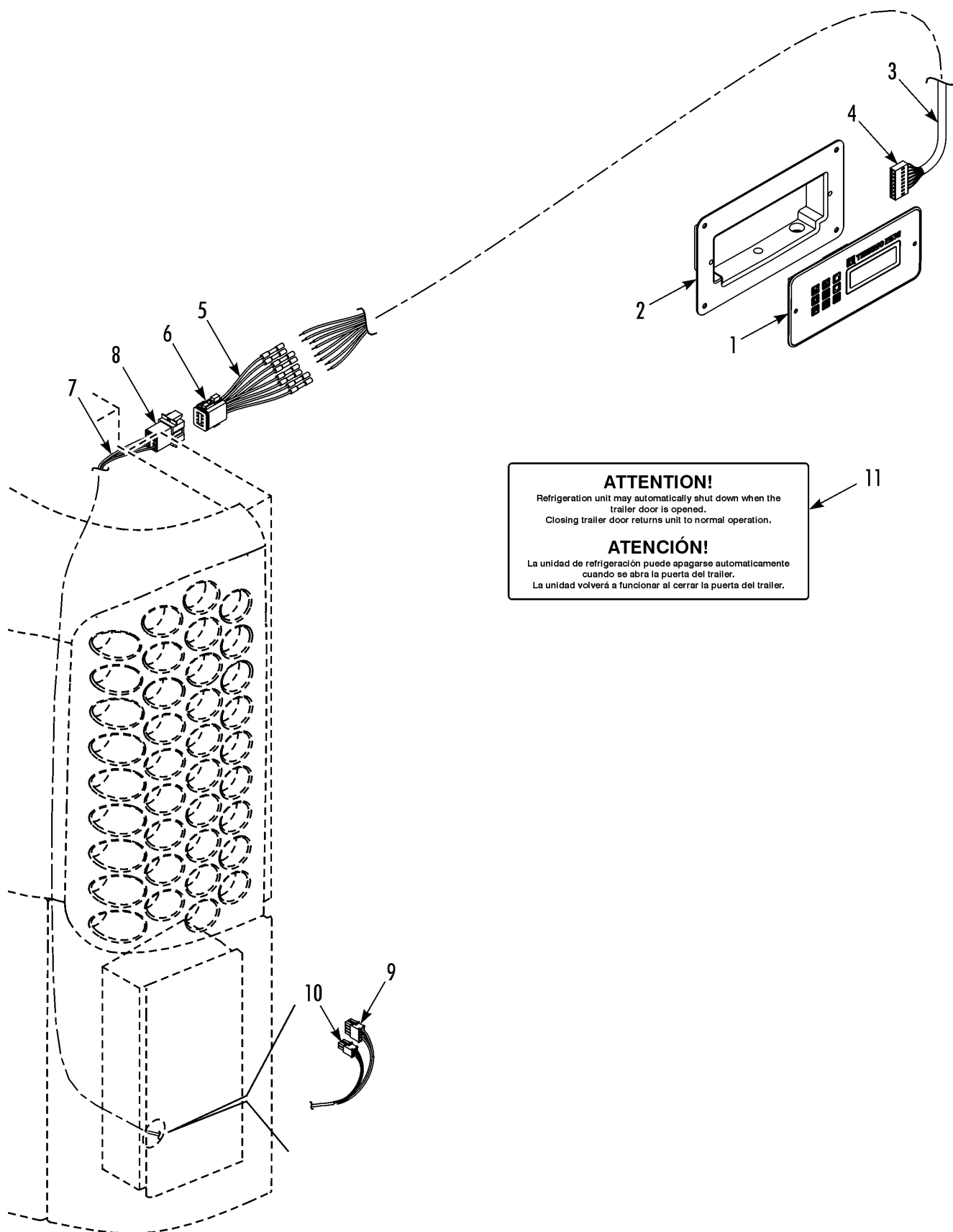


DOOR SWITCH TRAILER (CargoLink)



261A4

REF	PART NO.	DESCRIPTION	QTY
	40-1147	KIT - CargoLink (one door switch)	1
	40-1148	KIT - CargoLink (three door switches)	1
1	93-116	*BRACKET - antenna	1
	55-736	*SCREW - bracket	2
	55-1511	*LOCKWASHER	2
	55-2001	*FLATWASHER	2
	55-7062	*INSERT - threaded	2
2	42-238	*ANTENNA	1
3	42-228	*CONTROLLER - coordinator	1
	55-5754	NUT - controller	2
	55-3013	FLATWASHER	2
4	42-639	HARNESS - interface (SR-3)	1
	42-640	HARNESS - interface (SR-2, SPECTRUM)	1
	41-9350	*CONNECTOR - 23-pin	1
	41-2457	*TERMINAL - socket	8
	41-9694	*PIN - sealing	15
5	40-1143	KIT - door switch	A/R
6	NSS	*SENSOR - door	1
7	NSS	*MAGNET	1
	51-1321	*SCREW - 3/4 in	2
	55-8421	*SCREW - 1.0 in	2
	55-2001	*FLATWASHER	4
8	40-1135	KIT - door switch (3 wire)	1



ATTENTION!

Refrigeration unit may automatically shut down when the trailer door is opened.
Closing trailer door returns unit to normal operation.

ATENCIÓN!

La unidad de refrigeración puede apagarse automáticamente cuando se abra la puerta del trailer.
La unidad volverá a funcionar al cerrar la puerta del trailer.

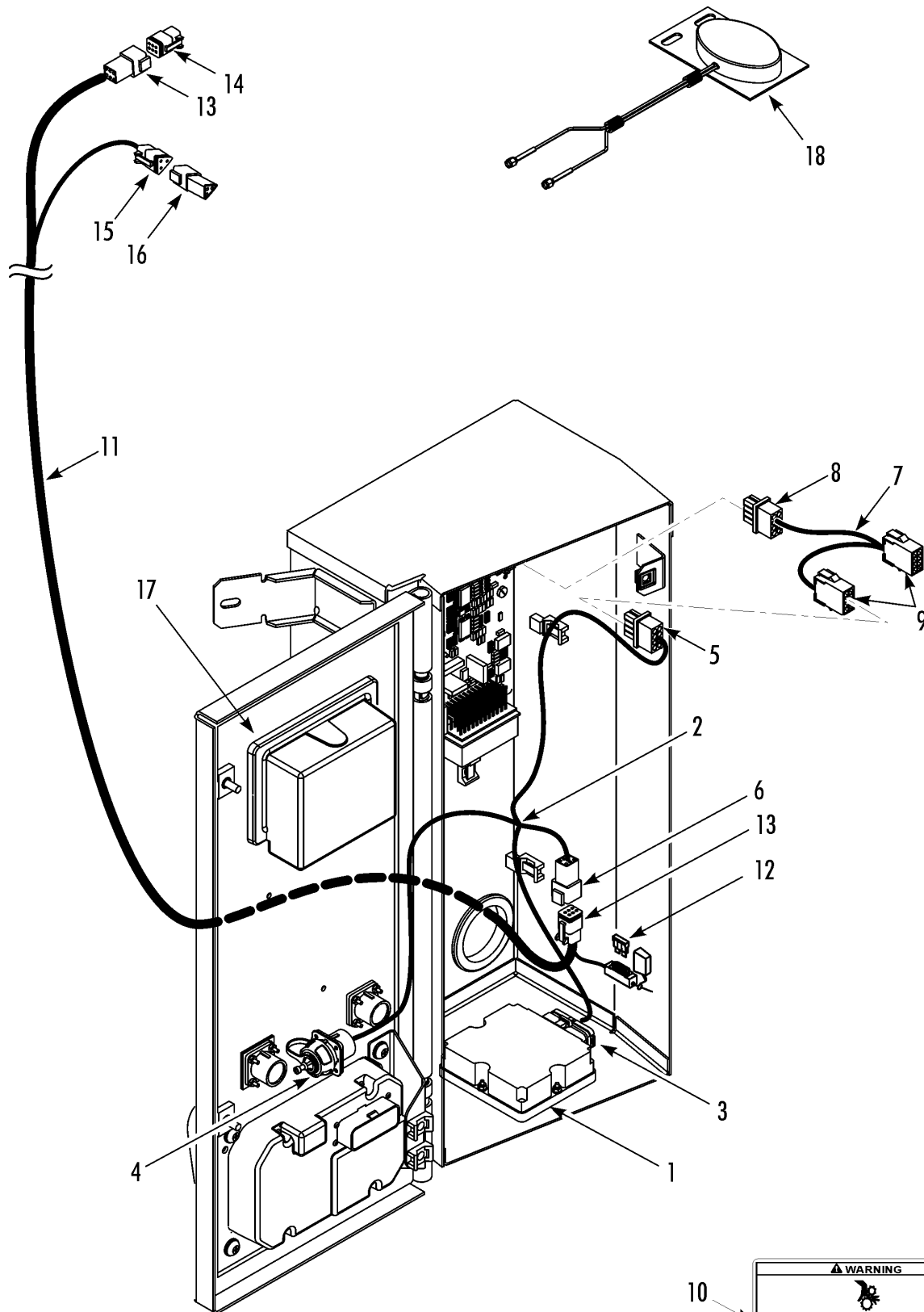
Revised
09/18/15

REAR REMOTE CONTROLLER



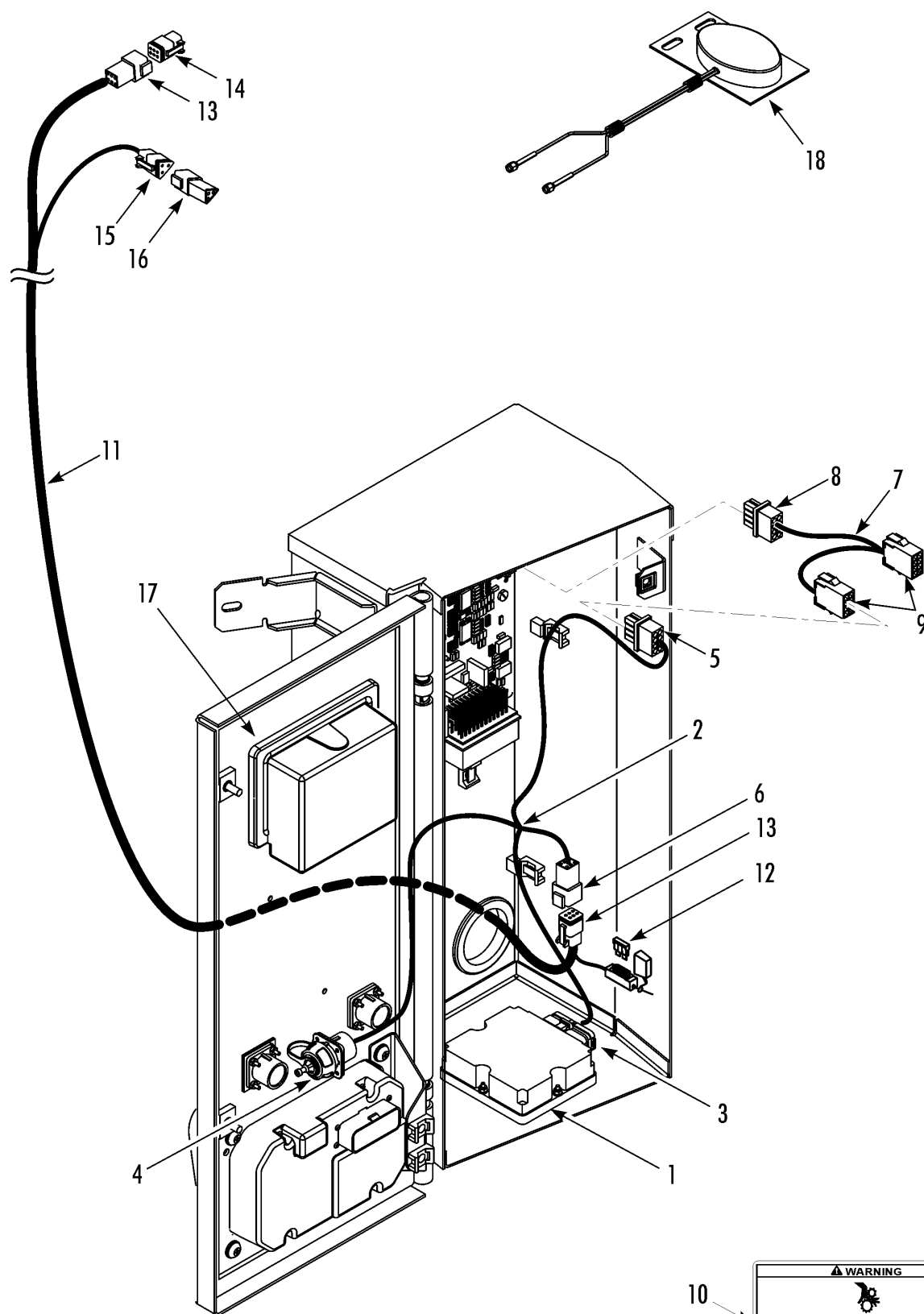
250B4

REF	PART NO.	DESCRIPTION	QTY
1	45-2401	CONTROLLER - flush mount (single temp)	1
	93-1032	**FACEPLATE	1
	55-3443	SCREW - controller	2
2	90-335	KIT - box, remote controller	1
3	41-7032	HARNESS - controller to evaporator	1
4	41-8765	*CONNECTOR - 8-pin	1
	41-8872	*TERMINAL - gold (20 ga)	7
5	41-6586	HARNESS - evaporator	1
6	44-9903	*PLUG - 8-pin (see 112D9)	1
7	41-9699	HARNESS - control box to evaporator	1
8	44-9900	*RECEPTACLE - 8-pin	1
9	41-5709	*PLUG - 8-pin	1
10	41-5710	*PLUG - 4-pin	1
11	92-4978	NAMEPLATE - flushmount	1

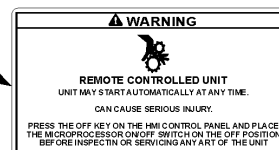




REF	PART NO.	DESCRIPTION	QTY
	40-1058	kit - iBox (3rd party)	1
1	45-2494	*MODULE - iBox (3rd party)	1
	55-2999	NUT	6
	55-2998	*LOCKWASHER	3
	55-3013	*FLATWASHER	3
2	41-9091	*HARNESS - iBox (third party)	1
	44-2789	**TERMINAL - ring (1/4 red, 16-22 ga)	1
3	41-5190	**PLUG - iBox (35-pin)	1
	41-2457	**SOCKET (18 ga)	12
4	41-2405	**RECEPTACLE (5-pin)	1
5	41-5709	**PLUG (8-pin)	1
	41-5719	**SOCKET - gold (16-20 ga)	8
	41-6256	**SEAL - wire	8
	33-3908	**GASKET (8-pin, plug)	1
6	44-8914	**RECEPTACLE (6-pin)	1
	41-8821	**PIN - gold (18 ga)	6
	44-8917	**WEDGE	1
7	41-8187	*HARNESS - extension (CAN)	1
8	41-5709	**PLUG (8-pin)	1
	41-5719	**SOCKET - gold (16-20 ga)	8
	41-6256	**SEAL - wire	8
9	41-8828	**RECEPTACLE (8-pin)	2
	41-8739	**TERMINAL - pin (gold, 16-20 ga)	16
	41-6256	**SEAL - wire	16
10	92-7100	*NAMEPLATE - Warning	1
11	41-9571	HARNESS - telematics door control	1
12	41-2543	*FUSE - 2A	1
	41-5841	*HOLDER - fuse	1
13	44-8914	*RECEPTACLE (6-pin)	2
14	44-8920	*CONNECTOR (6-pin, w/ seal)	1
15	44-9544	*RECEPTACLE (3-pin)	1
16	44-9631	*CONNECTOR (3-pin, w/ seal)	1
17	N/A	DATA GATE (PAR, not supplied by Thermo King)	1



10



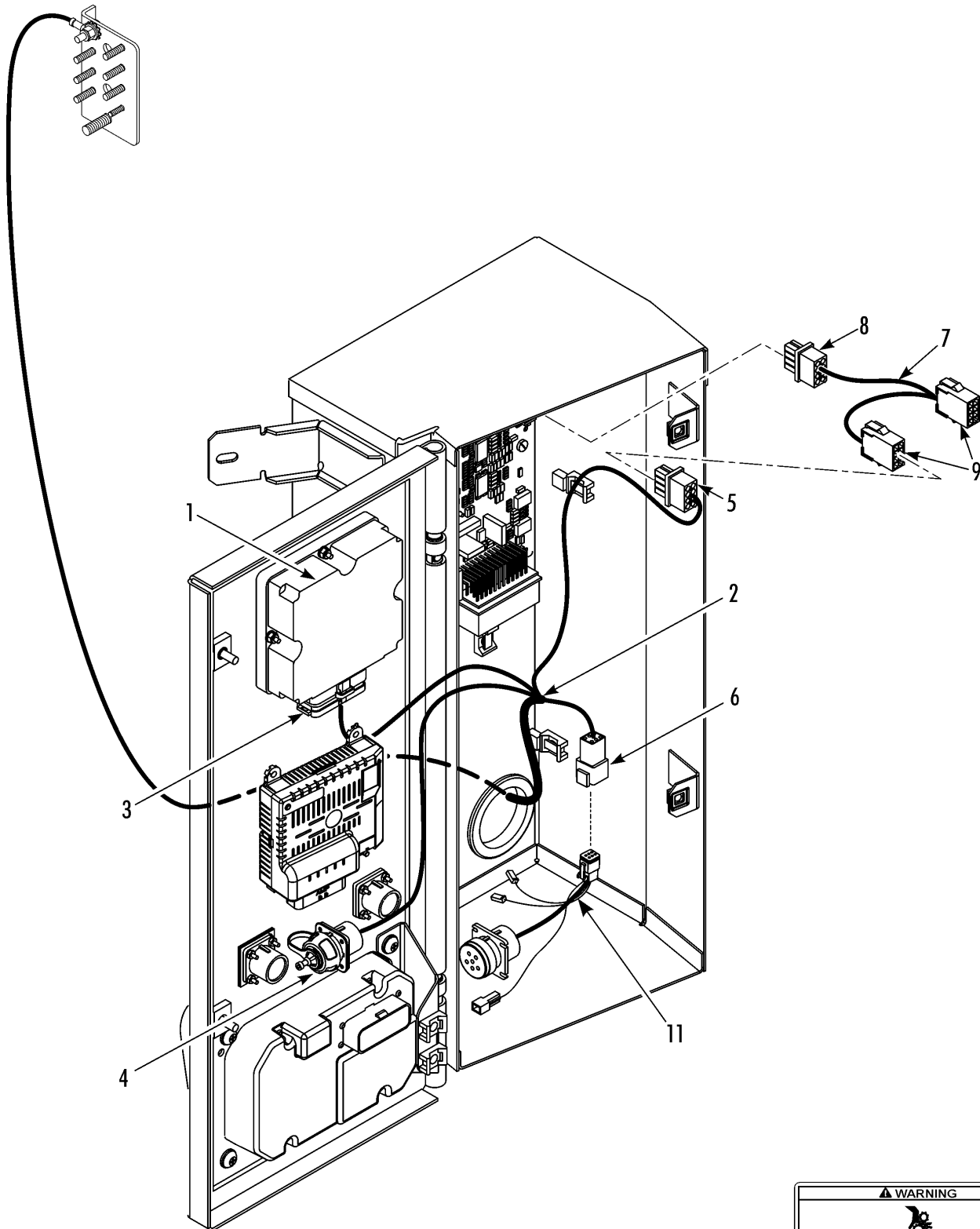
Revised
01/16/15

iBox 3RD PARTY



246C0

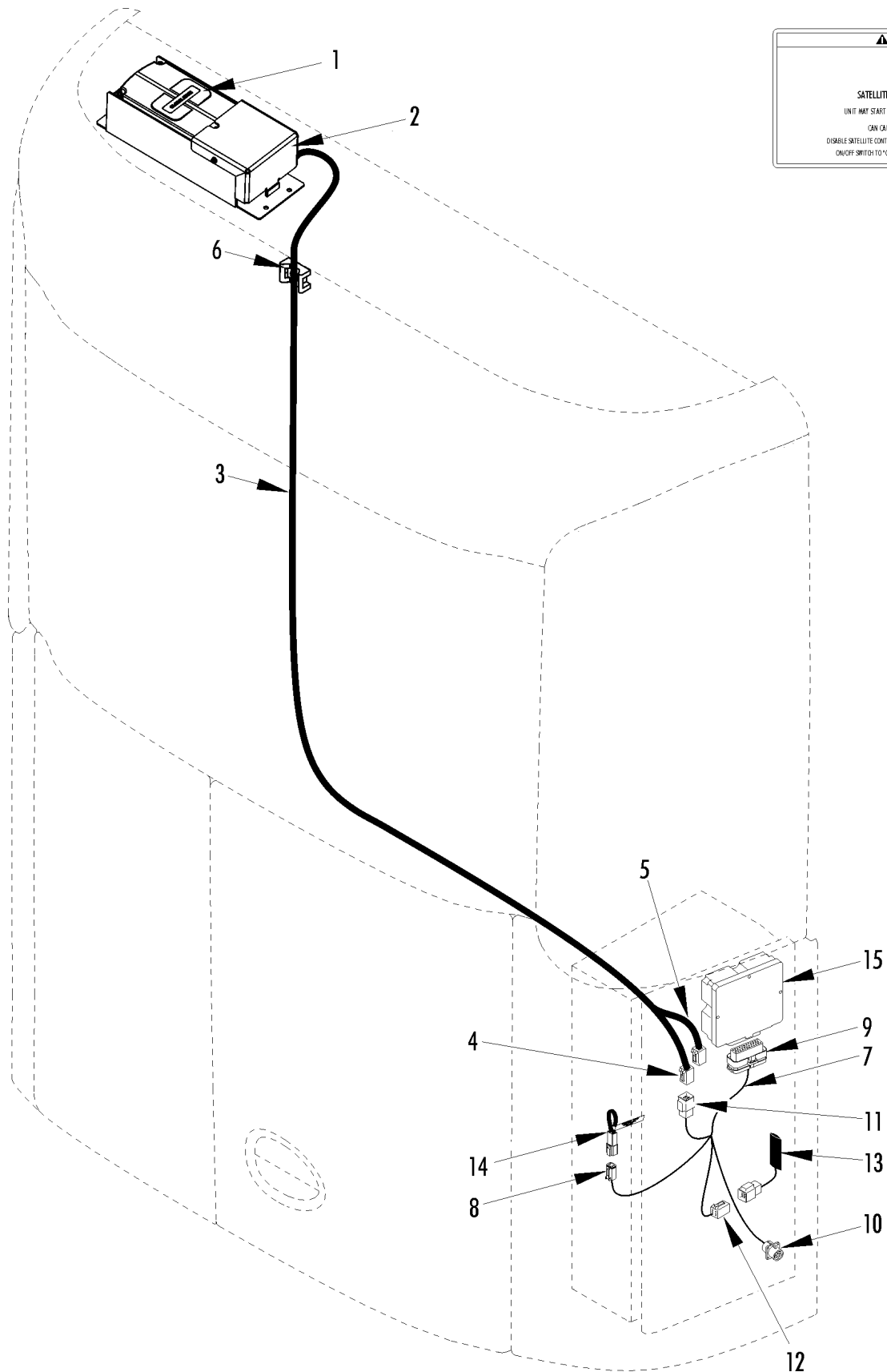
REF	PART NO.	DESCRIPTION	QTY
18	N/A	ANTENNA (PAR, not supplied by Thermo King)	1





Revised
01/01/15

REF	PART NO.	DESCRIPTION	QTY
1	40-1060	KIT - iBox (3rd party)	1
	45-2492	*iBox (3rd party)	1
	51-320	*SCREW	3
	55-2998	*LOCKWASHER	3
	55-3013	*FLATWASHER	3
	51-114	*STANDOFF - spacer	3
2	41-9091	*HARNESS - iBox (third party)	1
	44-2789	**TERMINAL - ring (1/4 red, 16-22 ga)	1
3	41-5190	**PLUG - iBox (35-pin)	1
	41-2457	**SOCKET (18 ga)	12
4	41-2405	**RECEPTACLE (5-pin)	1
5	41-5709	**PLUG (8-pin, J14)	1
	41-5719	**SOCKET - gold (16-20 ga)	8
	41-6256	**SEAL - wire	8
	33-3908	**GASKET (8-pin, plug)	1
	44-8914	**RECEPTACLE (6-pin)	1
6	41-8821	**PIN - gold (18 ga)	6
	44-8917	**WEDGE	1
	41-8187	*HARNESS - extension (CAN)	1
8	41-5709	**PLUG (8-pin)	1
	41-5719	**SOCKET - gold (16-20 ga)	8
	41-6256	**SEAL - wire	8
	33-3908	**GASKET (8-pin, plug)	1
	41-8828	**RECEPTACLE (8-pin)	2
9	41-8739	**TERMINAL - pin (gold, 16-20 ga)	16
	41-6256	**SEAL - wire	16
	92-7100	*NAMEPLATE - Warning	1
11	45-2348	HARNESS - adapter (3rd party)	1



16

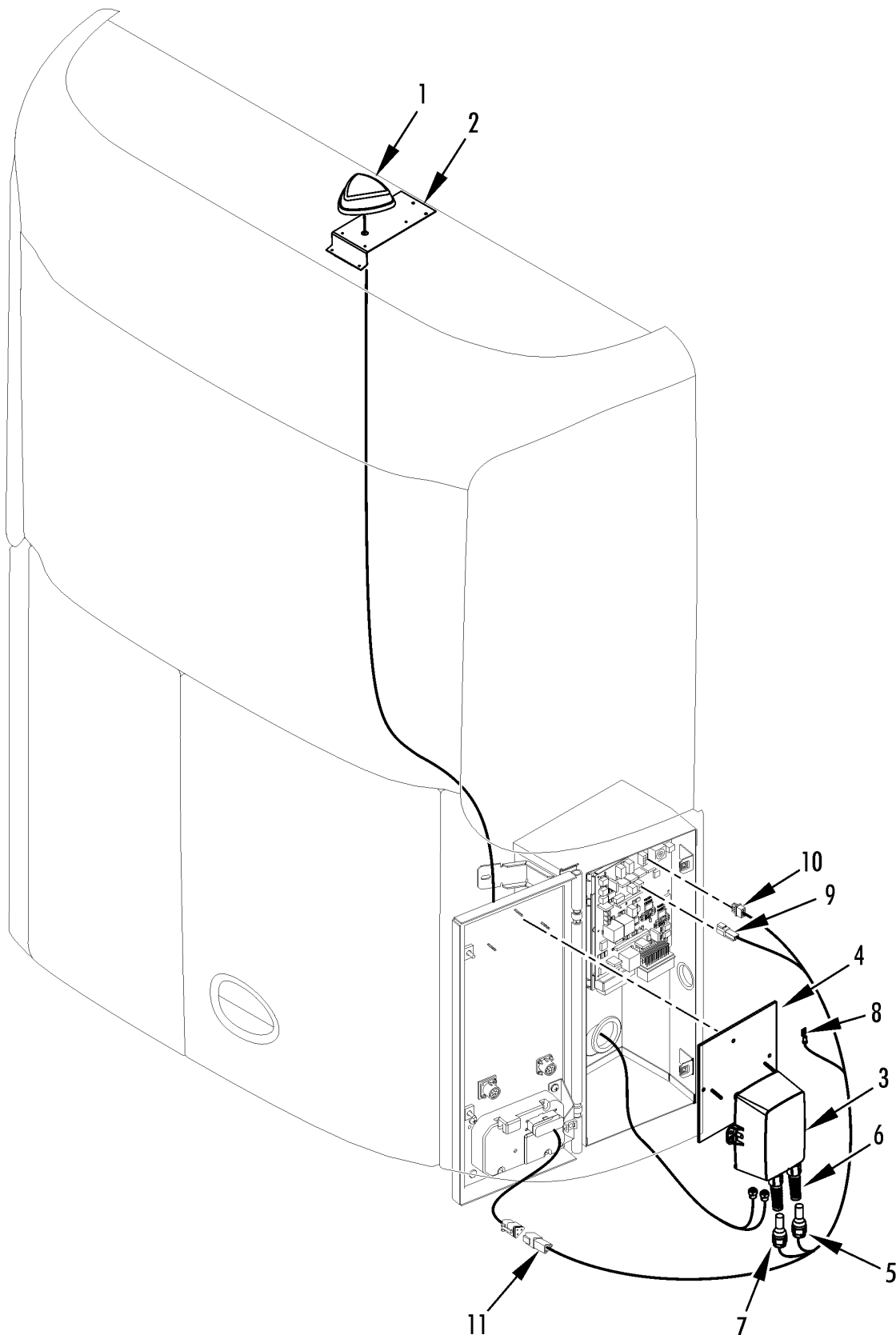
TracKing SATELLITE 2-WAY TRAILER (701310, 701968)

Revised
04/24/15



226E8

REF	PART NO.	DESCRIPTION	QTY
	40-1051	KIT - TracKing Satellite (trailer 2-way, SR-2/SR-3)	1
	40-1053	KIT - TracKing Satellite (Retro fit, trailer 2-way, SR-2/SR-3)	1
1	41-8972	*MODEM - satellite (MT3550)	1
2	92-3055	*BRACKET - satellite	1
	55-3196	*SCREW - cover	4
	55-431	*FLATWASHER	8
	55-5292	*NUT	4
	51-321	*RIVET - bracket	4
3	41-8971	*HARNESS - modem	1
4	44-8920	**PLUG (6-pin)	2
5	44-8914	**CONNECTOR (6-pin)	1
6	99-6093	**MOUNT - harness	10
	51-321	**RIVET - mount	10
	55-2332	**BANDWRAP	20
	55-2331	**BANDWRAP (4.0 dia)	20
7	41-5838	*HARNESS - control box	1
8	44-8935	**PLUG - jumper (4-pin)	1
9	41-5190	**PLUG - iBox (35-pin)	1
10	41-2405	**RECEPTACLE - flash loading (5-pin)	1
11	44-8914	**RECEPTACLE - antenna (6-pin)	1
12	44-8920	**PLUG - relay (6-pin)	1
13	41-5839	*HARNESS - relay	1
14	41-8114	*HARNESS - jumper	1
15	45-2379	*iBox	1
	51-320	*SCREW - iBox	3
	55-2998	*LOCKWASHER	3
	55-3013	*FLATWASHER	3
	51-114	*STANDOFF - iBox	3
16	92-3559	*NAMEPLATE - Warning, Satellite Control	1



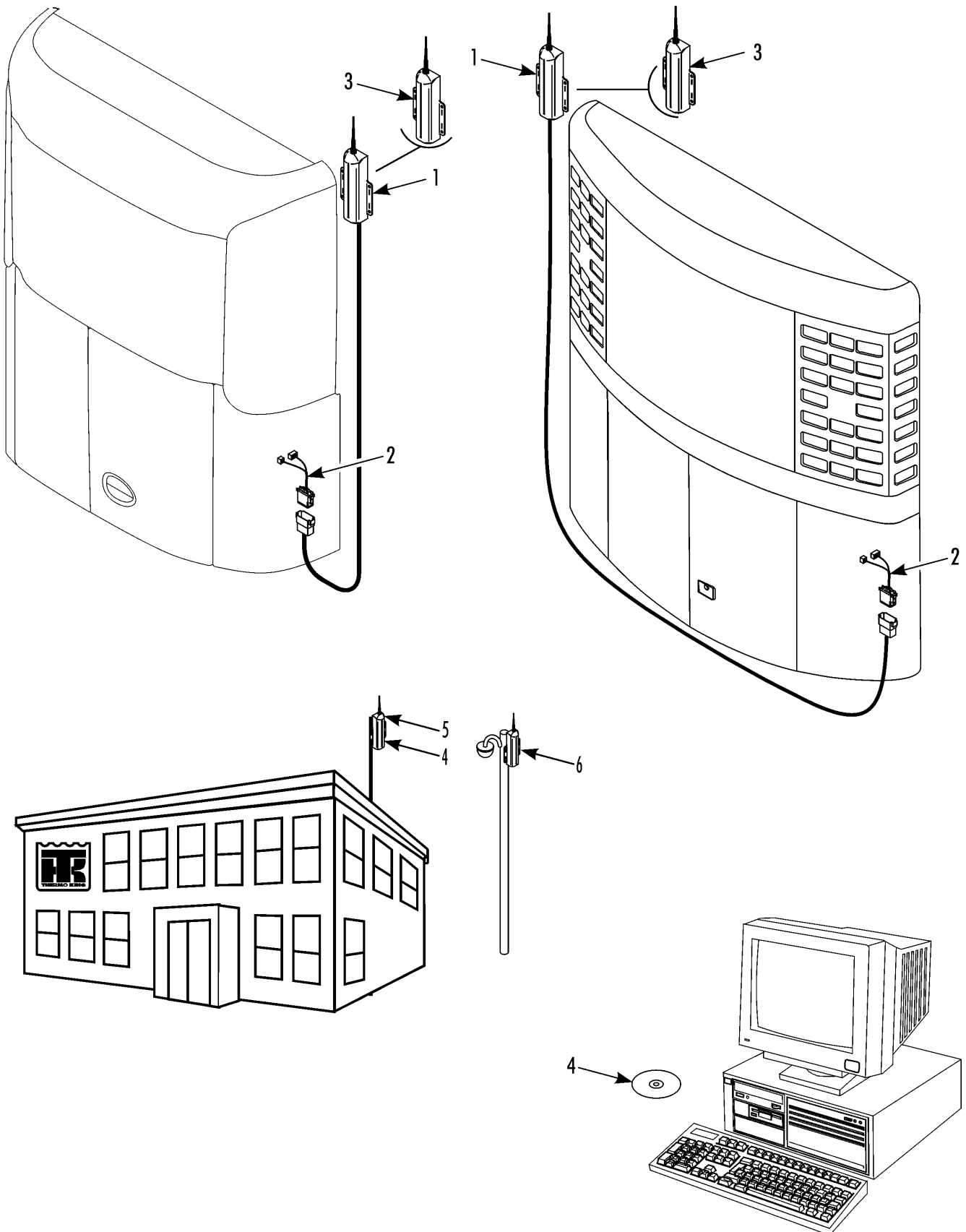
TracKing SB w/ SR-3 CONTROLLER



250A1

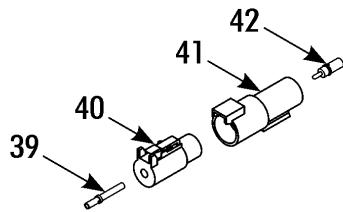
Revised
04/10/11

REF	PART NO.	DESCRIPTION	QTY
	40-1088	KIT - TracKing (GPRS SB SR-3 controller)	1
1	41-9902	*ANTENNA & HARNESS	1
2	92-6747	*BRACKET - antenna	1
	203-500	*TAPE - bracket	A/R
	55-2977	*SCREW - bracket (sheet metal)	2
	55-9756	*RIVET - bracket	2
3	41-9516	*MODULE - TracKing	1
	55-5754	*NUT - module	2
	55-1266	*FLATWASHER	2
4	92-8525	*BRACKET - module	2
	203-500	*TAPE - bracket	A/R
	55-6477	*STUD	3
	203-498	*WIPE (alcohol)	1
5	41-9518	*HARNESS - module to pc board	1
6	41-9118	**PLUG (7-pin)	1
	41-9121	**SOCKET (20 awg)	6
7	41-9119	**PLUG (5-pin)	1
	41-9121	**SOCKET (20 awg)	3
8	44-4653	**TERMINAL - fork (red #10, 16-22 ga)	1
9	41-5710	**PLUG - sealed (4-pin)	1
	33-3909	**GASKET (4-pin)	1
	41-5719	**SOCKET - gold (16-20 ga)	2
	41-6256	**SEAL - wire	2
	41-9120	**SEAL - cavity (plug)	2
10	41-5709	**PLUG - sealed (8-pin)	1
	33-3908	**GASKET (8-pin)	1
	41-5719	**SOCKET - gold (16-20 ga)	3
	41-6256	**SEAL - wire	3
	41-9120	**SEAL - cavity (plug)	5
11	44-9544	**RECEPTACLE (3-pin)	1
	44-9545	**WEDGE	1
	44-9591	**TERMINAL - pin (18 ga)	3

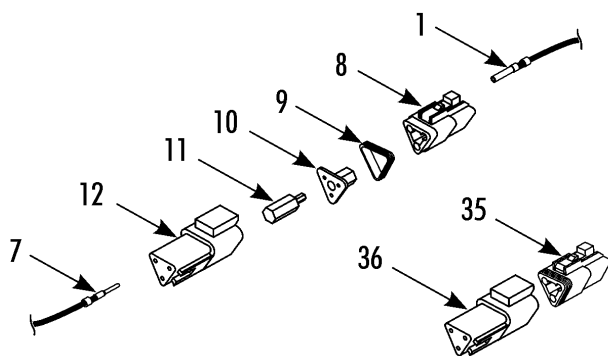


R:COM for SR-2/SR-3 TRAILER UNITS**192H5**Revised
06/25/14

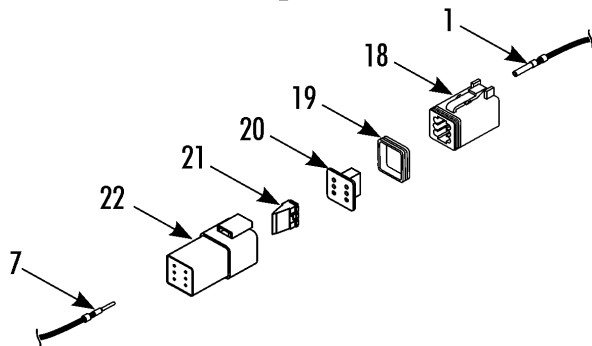
REF	PART NO.	DESCRIPTION	QTY
	40-869	KIT - R:COM II (SR-2/SR-3)	1
1	45-2016	*ANTENNA	1
2	41-5895	*HARNESS - adapter (R:COM to SR-2/SR-3)	1
3	41-4660	HOUSING & ANTENNA	1
4	45-2020	KIT - base station	1
5	45-2022	*MODULE - only (TSA)	1
	45-2022	*MODULE - only (EMEIA)	1
6	45-2019	MODULE - relay	1



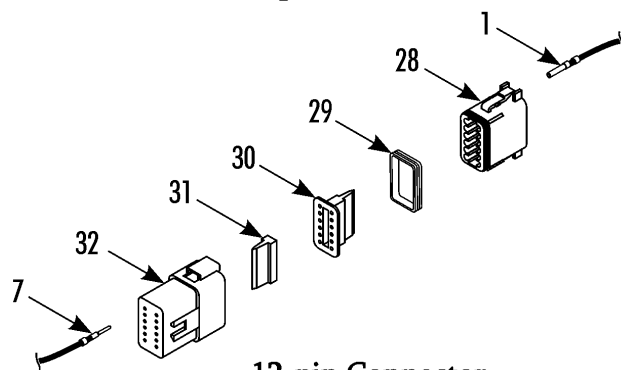
1-pin Connector



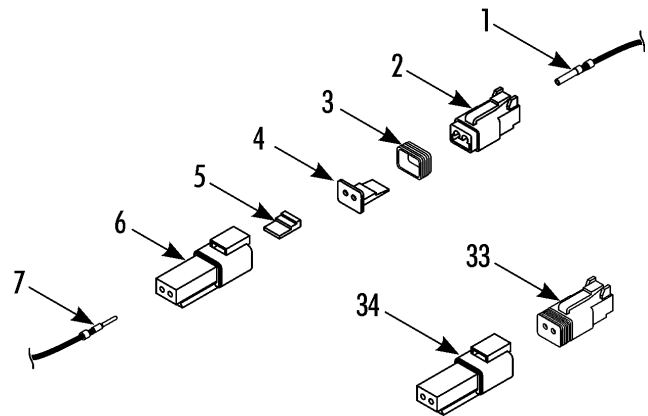
3-pin Connector



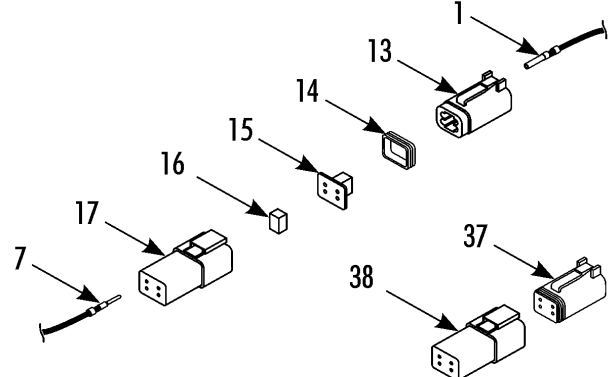
6-pin Connector



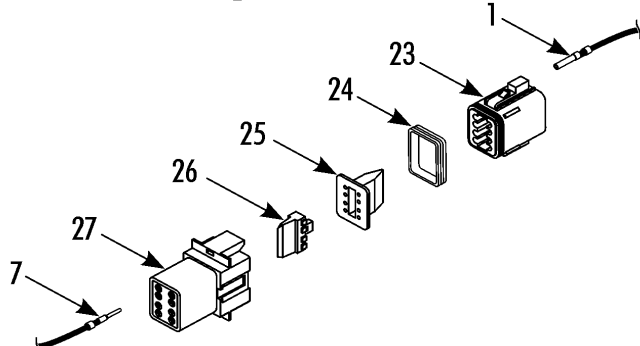
12-pin Connector



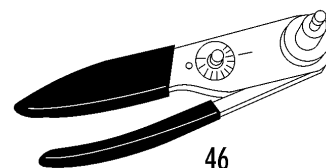
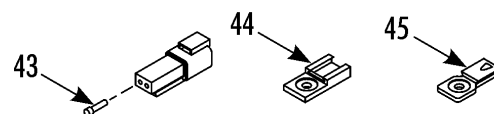
2-pin Connector



4-pin Connector



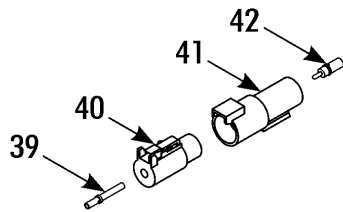
8-pin Connector



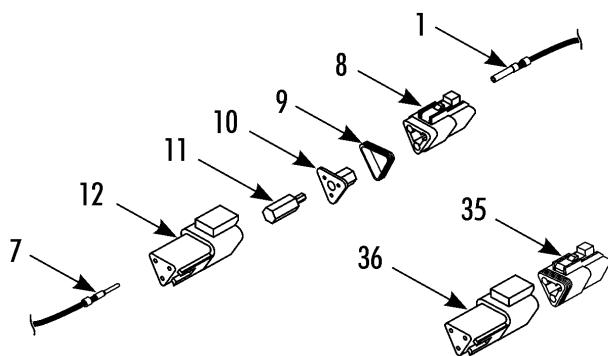


Revised
05/31/15

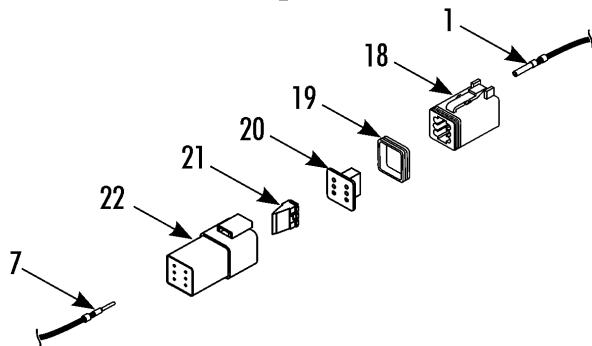
REF	PART NO.	DESCRIPTION	QTY
1	44-9700	TERMINAL - socket (w/ 6-in wire lead)	2
	44-9587	TERMINAL - socket (without wire)	2
2	44-9585	PLUG (2-pin, w/ seal)	1
3	33-2392	SEAL	1
4	44-9586	WEDGE	1
5	44-9590	WEDGE	1
6	44-9589	RECEPTACLE (2-pin)	1
7	44-9701	TERMINAL - pin (w/ 6-in wire lead)	2
	44-9591	PIN - terminal (w/o wire)	2
8	44-9631	CONNECTOR (3-pin, w/ seal)	1
9	33-2393	SEAL	1
10	44-9536	WEDGE	1
11	44-9545	WEDGE	1
12	44-9544	RECEPTACLE (3-pin)	1
13	44-8935	PLUG (4-pin, w/ seal)	1
14	33-2394	SEAL	1
15	44-8936	WEDGE	1
16	44-8918	WEDGE	1
17	44-8915	RECEPTACLE (4-pin)	1
18	44-8920	CONNECTOR (6-pin, w/ seal)	1
19	33-2395	SEAL	1
20	44-8921	WEDGE	1
21	44-8917	WEDGE	1
22	44-8914	CONNECTOR (6-pin)	1
23	44-9903	PLUG (8-pin, w/ seal)	1
24	33-2396	SEAL	1
25	44-9902	WEDGE	1
26	44-9901	WEDGE	1
27	44-9900	RECEPTACLE (8-pin)	1
28	44-9600	PLUG (12-pin, w/ seal)	1
29	33-2397	SEAL	1
30	44-9601	WEDGE	1
31	44-9905	WEDGE	1



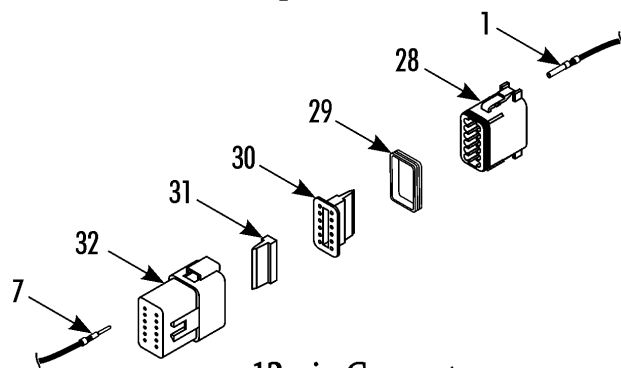
1-pin Connector



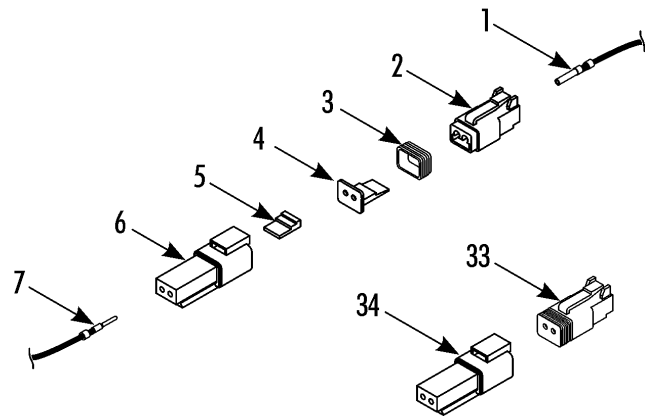
3-pin Connector



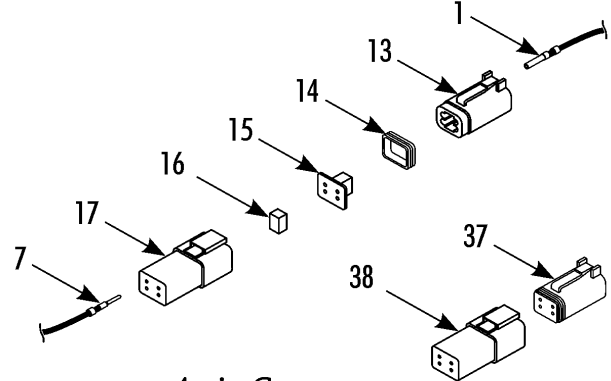
6-pin Connector



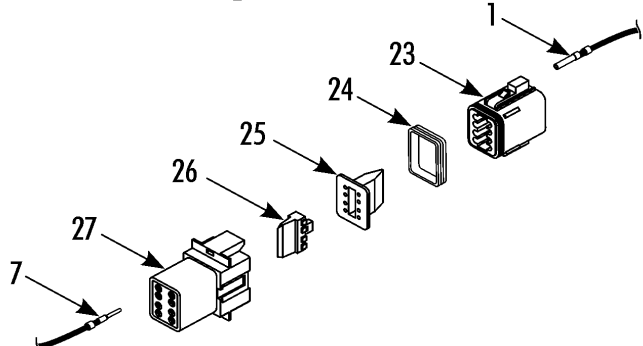
12-pin Connector



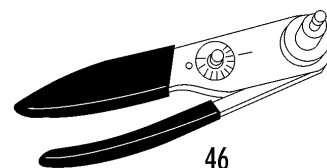
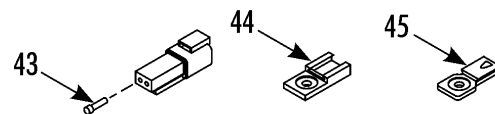
2-pin Connector



4-pin Connector



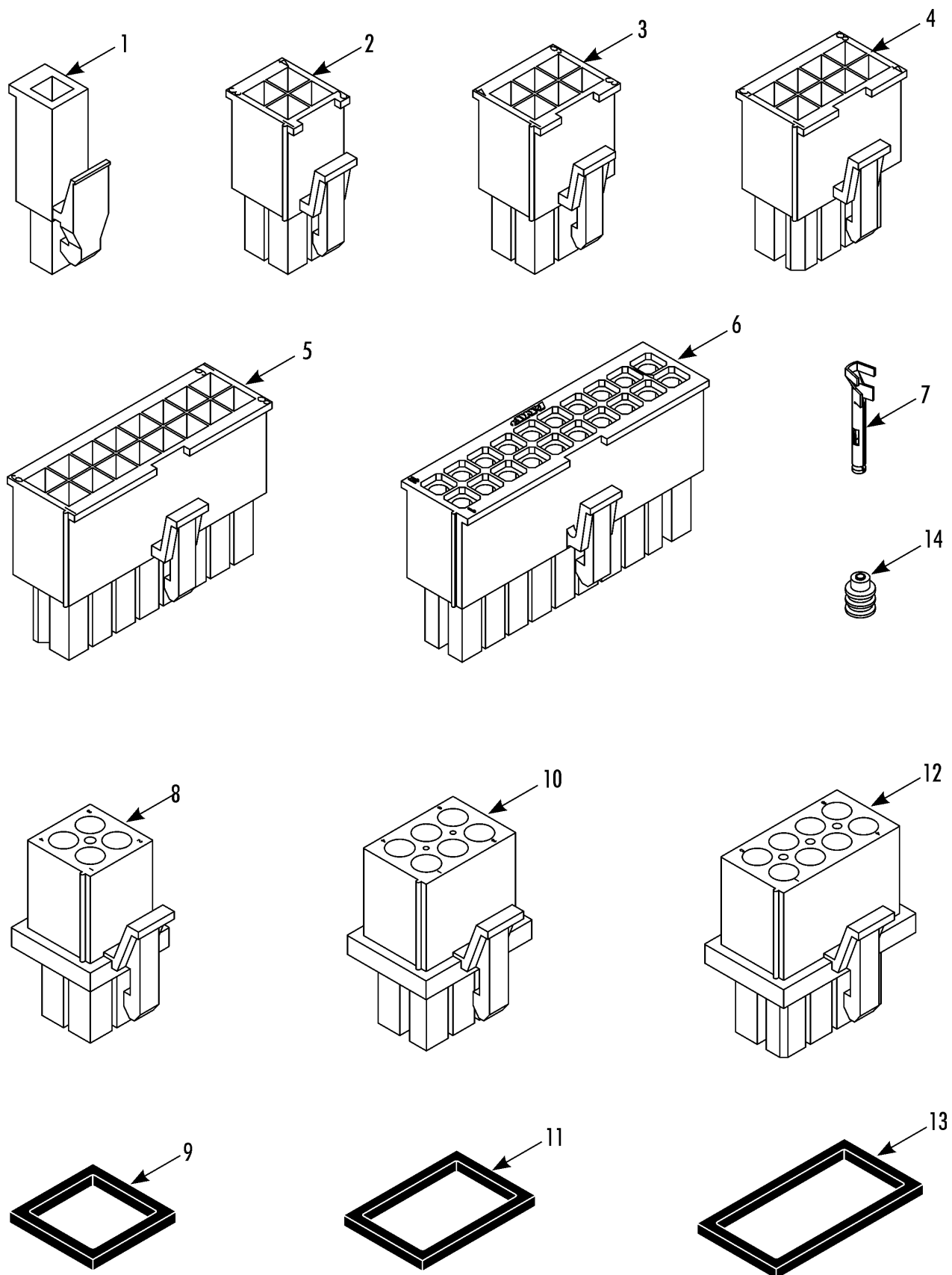
8-pin Connector





Revised
05/31/15

REF	PART NO.	DESCRIPTION	QTY
32	44-9904	RECEPTACLE (12-pin)	1
33	41-2323	PLUG - assembly (w/ 6-in wires)	1
34	41-2322	RECEPTACLE - assembly (w/ 6-in wires)	1
35	41-2325	PLUG - assembly (w/ 6-in wires)	1
36	41-2324	RECEPTACLE - assembly (w/ 6-in wires)	1
37	41-2327	PLUG - assembly (w/ 6-in wires)	1
38	41-2326	RECEPTACLE - assembly (w/ 6-in wires)	1
39	41-4524	SOCKET (8-10 ga)	1
40	41-3073	PLUG (1 terminal)	1
41	41-3069	RECEPTACLE (1 terminal)	1
42	44-6850	PIN (8-10 ga)	1
43	44-9602	PIN - sealing	A/R
44	44-9906	TAB - mounting (for all connectors except the 8-pin connector)	A/R
45	44-9907	TAB - mounting (for 8-pin connector only)	A/R
46	204-703	KIT - crimper (w/ terminals)	1
	204-1038	*TOOL - crimper	1
	204-799	*TOOL - wedge remover	1



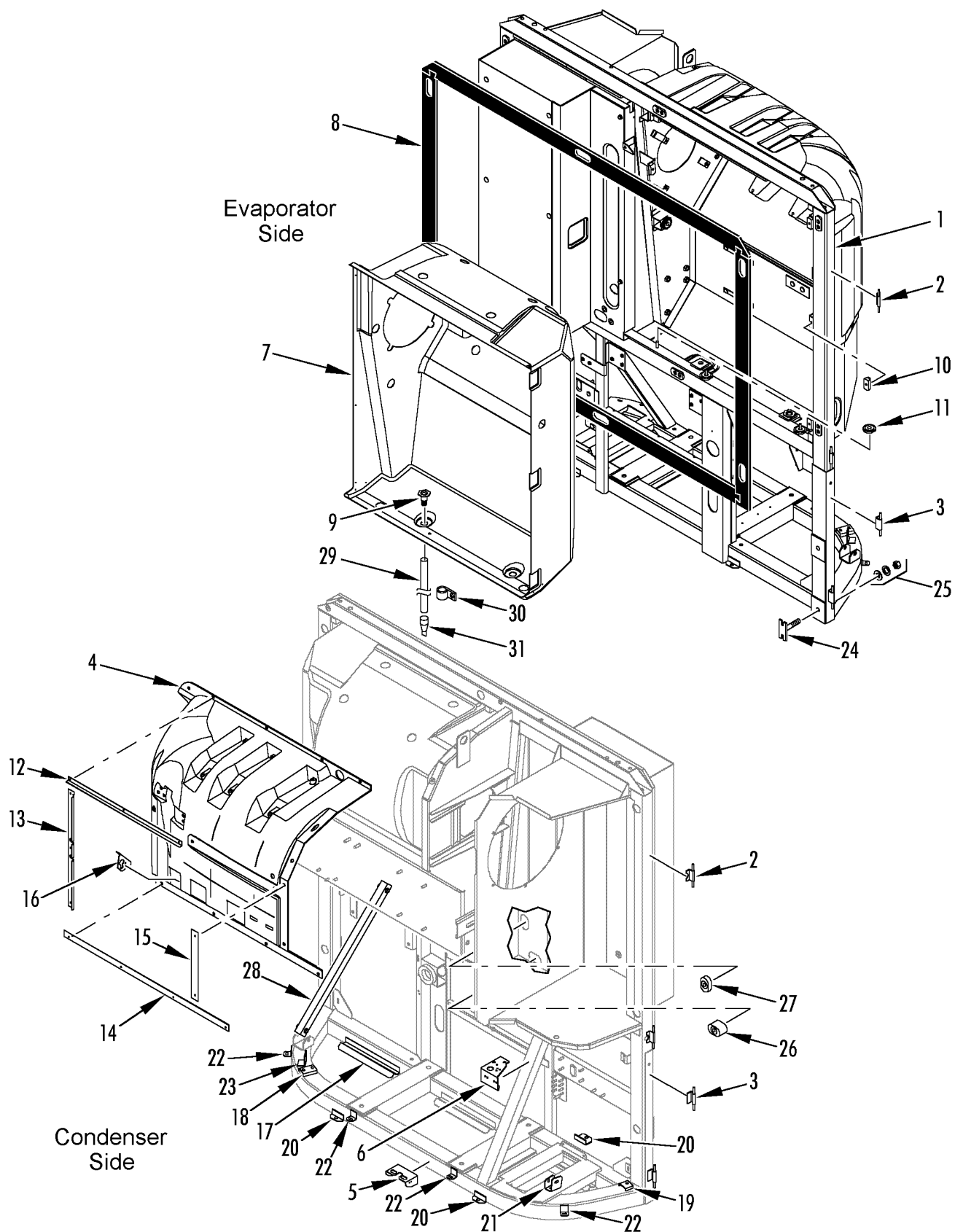
Revised
10/22/12

AMP MATE-N-LOCK CONNECTORS



193G5

REF	PART NO.	DESCRIPTION	QTY
1	41-6257	CONNECTOR (1-pin)	1
2	41-4735	CONNECTOR (4-pin)	1
3	41-6258	CONNECTOR (6-pin)	1
4	41-4734	CONNECTOR (8-pin)	1
5	41-4751	CONNECTOR (16-pin)	1
6	41-9379	CONNECTOR (20-pin)	1
7	41-5719	SOCKET (20-16 gauge)	A/R
	41-5718	SOCKET (22-18 gauge)	A/R
8	41-5710	CONNECTOR - sealed (4-pin)	1
9	33-3909	GASKET - 4-pin plug	1
10	41-5745	CONNECTOR - sealed (6-pin)	1
11	33-4015	GASKET - 6-pin plug	1
12	41-5709	CONNECTOR - sealed (8-pin)	1
13	33-3908	GASKET - 8-pin plug	1
14	41-6256	SEAL - wire	A/R
	204-737	TOOL - pin removal	1
	204-1120	TOOL - pin removal	1



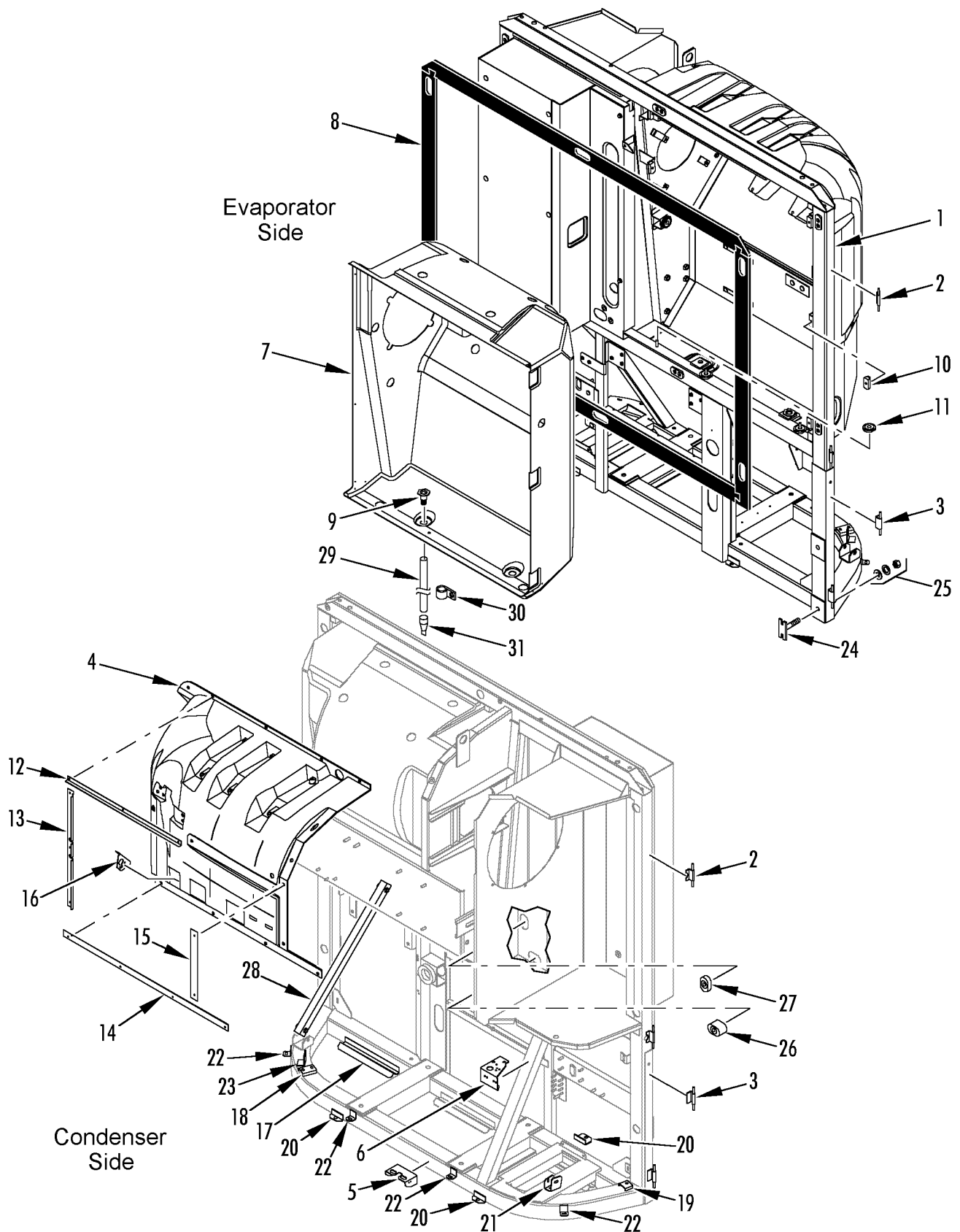
CONDENSER & EVAPORATOR COMPONENTS



160A1

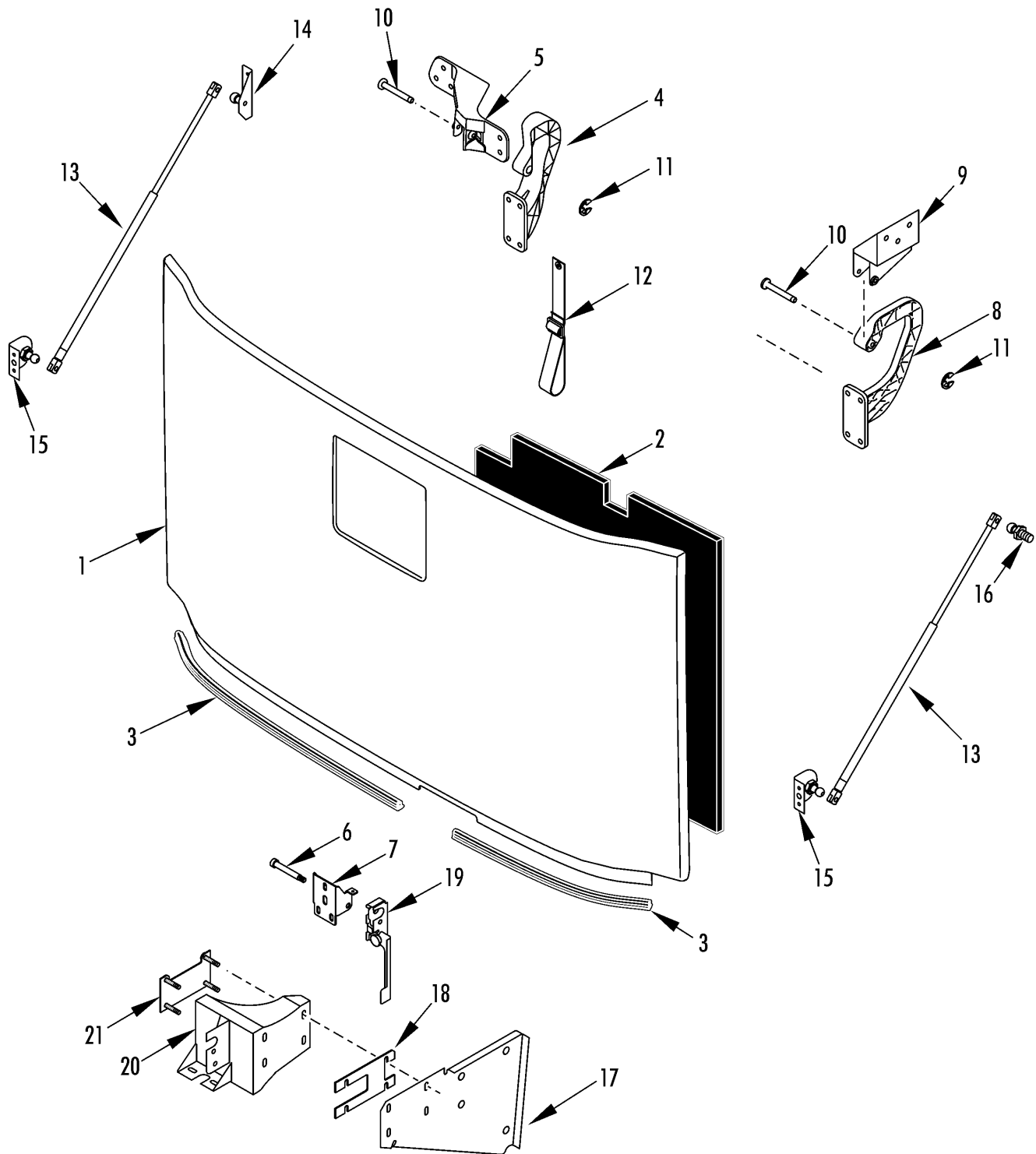
Revised
09/29/11

REF	PART NO.	DESCRIPTION	QTY
1	98-7196	FRAME - condenser (SB-30)	1
	98-8477	FRAME - condenser (SB-50)	1
	98-6258	FRAME - condenser (SB-400 only)	1
	98-6985	FRAME - condenser (SPECTRUM DE 50)	1
2	92-1141	*HINGE - grille (top, welded to frame)	4
3	92-2746	*HINGE - panel (bottom, welded to frame)	4
4	98-5647	*BULKHEAD - condenser	1
5	92-2887	*BRACKET - lower latch (welded to frame)	1
6	91-1315	*BRACKET - 3-way valve	1
7	98-6257	*LINER - evaporator	1
8	33-2918	*GASKET - sill	1
9	99-7947	*TUBE - drain	2
10	91-912	*WASHER - insulating (rectangle)	A/R
	91-6842	*WASHER - insulating (round)	A/R
11	99-7945	*WASHER - insulating	A/R
12	92-3442	*ANGLE - bulkhead (top)	1
13	92-3443	*ANGLE - bulkhead (side)	1
14	92-3444	*ANGLE - bulkhead (bottom)	1
15	92-3574	*ANGLE - bulkhead (center)	1
	55-8989	*RIVET - angle	12
16	92-6221	*BRACKET - stud	1
	55-8989	*RIVET - bracket	2
17	92-3571	*BRACKET - bottom cover	3
18	92-3564	*CHANNEL - door hinge	1
19	92-3565	*BRACKET - control box	1
20	92-3566	*BRACKET - base	4
21	92-3567	*BRACKET - control box	1
22	92-3568	*BRACKET - bottom cover	4
23	92-3569	*BRACKET - side cover	1
24	99-214	T-BOLT - unit mounting	8
25	55-3686	NUT - unit	8
	55-2038	FLATWASHER	8
	55-5234	WASHER - special	8



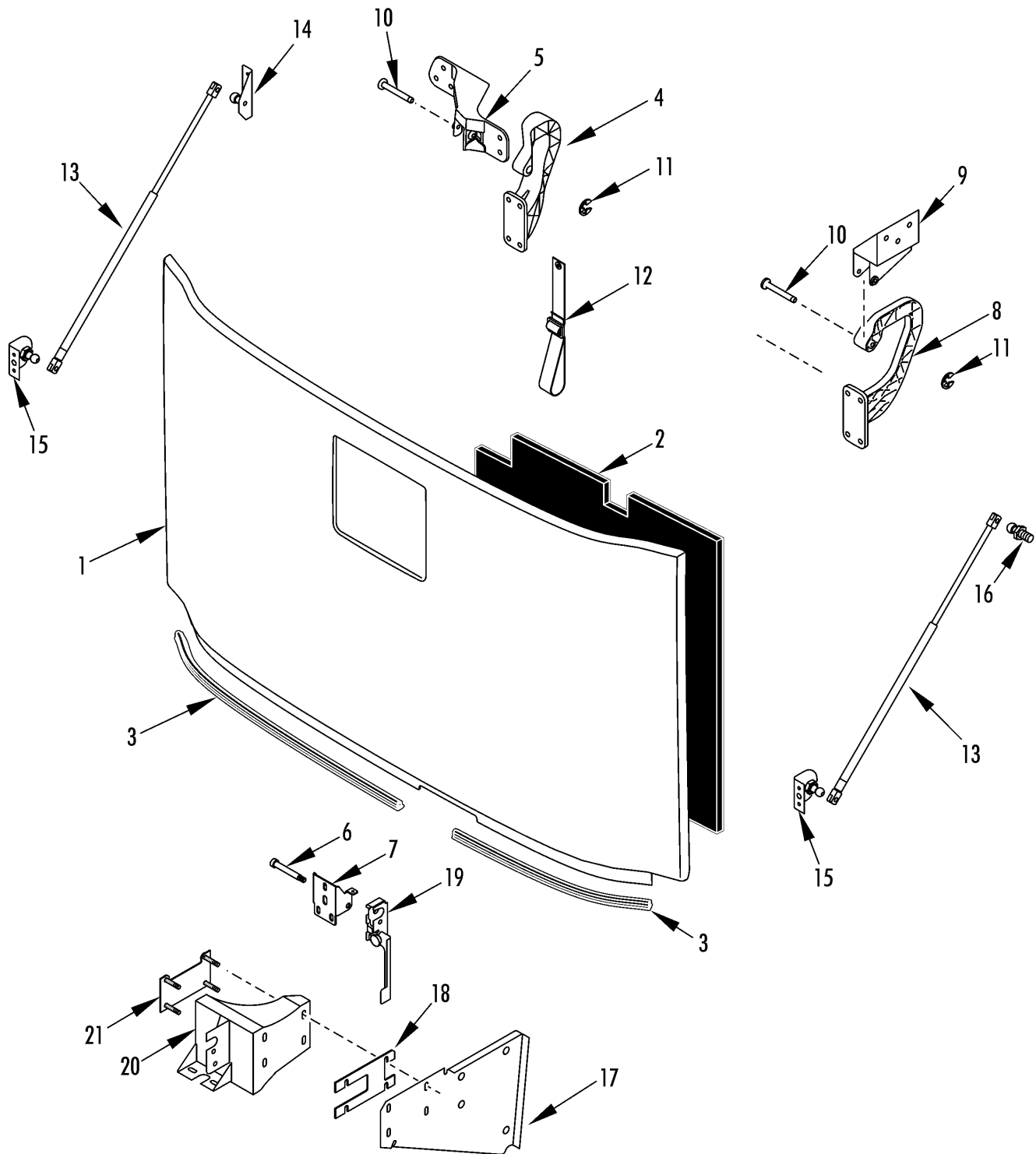
CONDENSER & EVAPORATOR COMPONENTS**160A1**Revised
09/29/11

REF	PART NO.	DESCRIPTION	QTY
26	91-9965	INSULATION - suction	1
27	91-9966	INSULATION - suction	1
28	99-7993	TUBE - power pack (rear, 30s)	1
	91-810	TUBE - power pack (rear, 50s)	1
	55-9182	SCREW - tube	2
	55-2221	FLATWASHER	4
	55-5050	NUT	2
29	11-3305	HOSE - drain	A/R
30	55-1241	CLAMP - hose	2
	55-2681	SCREW - clamp	2
31	66-1273	VALVE - check	2





REF	PART NO.	DESCRIPTION	QTY
1	98-7059	DOOR - top (std white)	1
	98-7165	DOOR - top (paintable)	1
	55-145	SCREW - door to hinge	8
	55-366	LOCKWASHER	8
	55-411	FLATWASHER	8
2	33-4632	FOAM - top door	1
3	33-3261	GASKET (cut to length)	A/R
4	92-5762	HINGE - top door (curbside, inc items 10 & 11)	1
5	92-379	*BRACKET - hinge (top door, curbside)	1
6	92-392	BOLT - striker	1
	55-371	FLATWASHER (5/16)	2
	55-402	FLATWASHER (3/8)	1
	55-9933	NUT	1
7	92-6129	BRACKET - striker (top door)	1
	55-538	SCREW - bracket	4
	55-366	LOCKWASHER	4
	55-411	FLATWASHER	4
	55-4118	NUT	4
8	92-380	HINGE - top door (roadside)	1
9	92-410	*BRACKET - hinge (top door, roadside)	1
10	55-9433	*PIN - hinge	1
11	55-9434	*RING - retaining	1
	55-1511	LOCKWASHER	2
	55-4118	NUT	2
12	92-1125	STRAP - door pull down	1
13	92-535	STRUT - gas	2
14	92-6221	BRACKET - strut (top curbside, incl stud)	1
15	92-6388	BRACKET - strut (door, incl stud)	2
	55-2864	RIVET - blind	4
16	55-9441	BOLT - gas strut	1
	55-371	FLATWASHER	1
	51-298	NUT	1
17	92-372	BRACKET - latch	1



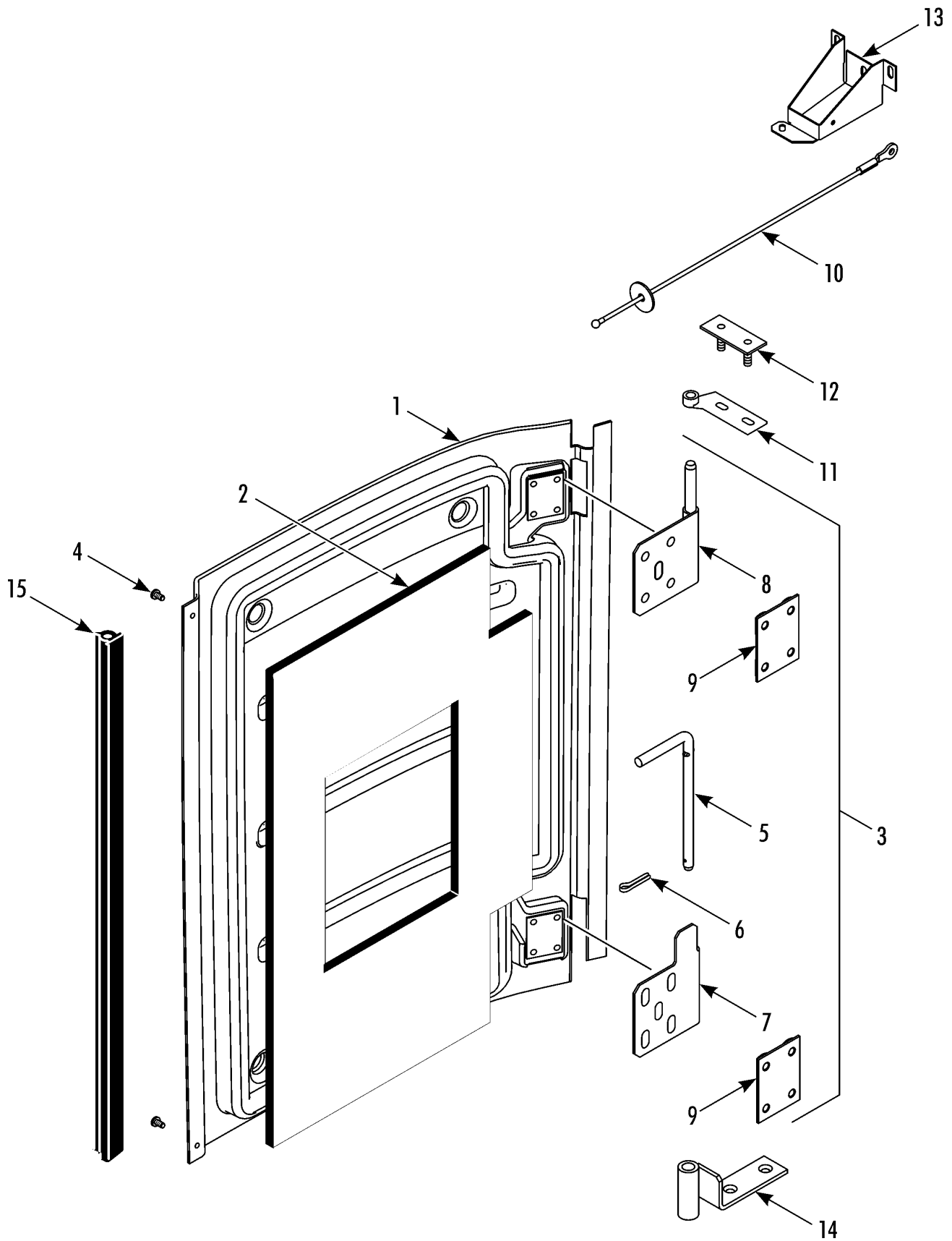
Revised
08/26/10

TOP DOOR GROUP



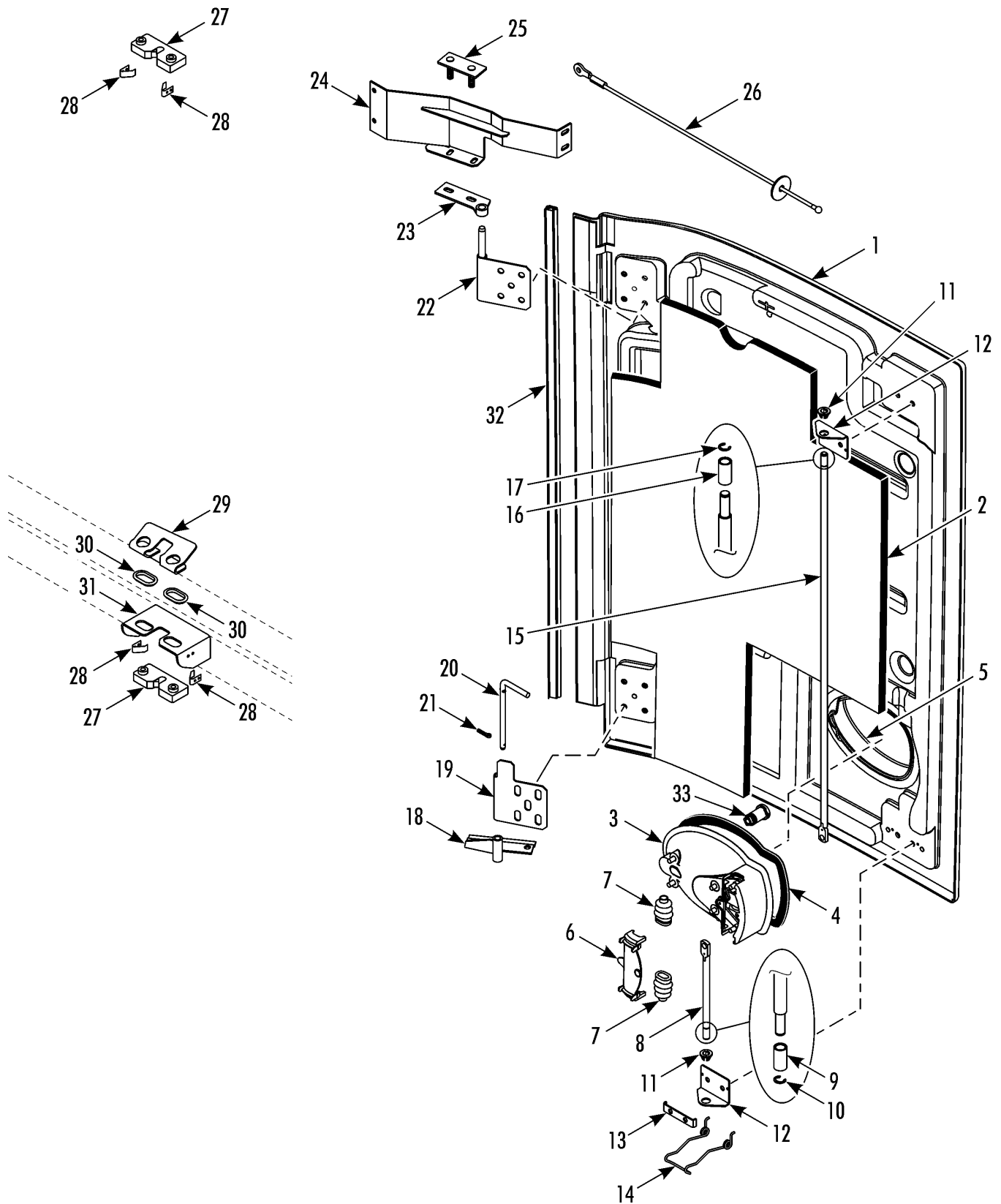
247B5

REF	PART NO.	DESCRIPTION	QTY
	55-1009	SCREW - bracket	4
	55-365	LOCKWASHER	4
	55-2038	FLATWASHER	4
18	92-1128	SHIM - bracket (center latch)	3
19	92-373	LATCH - rotary	1
	55-826	SCREW - latch	2
	55-366	LOCKWASHER	2
	55-411	FLATWASHER	2
20	92-2967	BRACKET - latch	1
21	92-1127	PLATE - bracket (center latch)	1
	55-4118	NUT - plate	4
	55-411	FLATWASHER	4





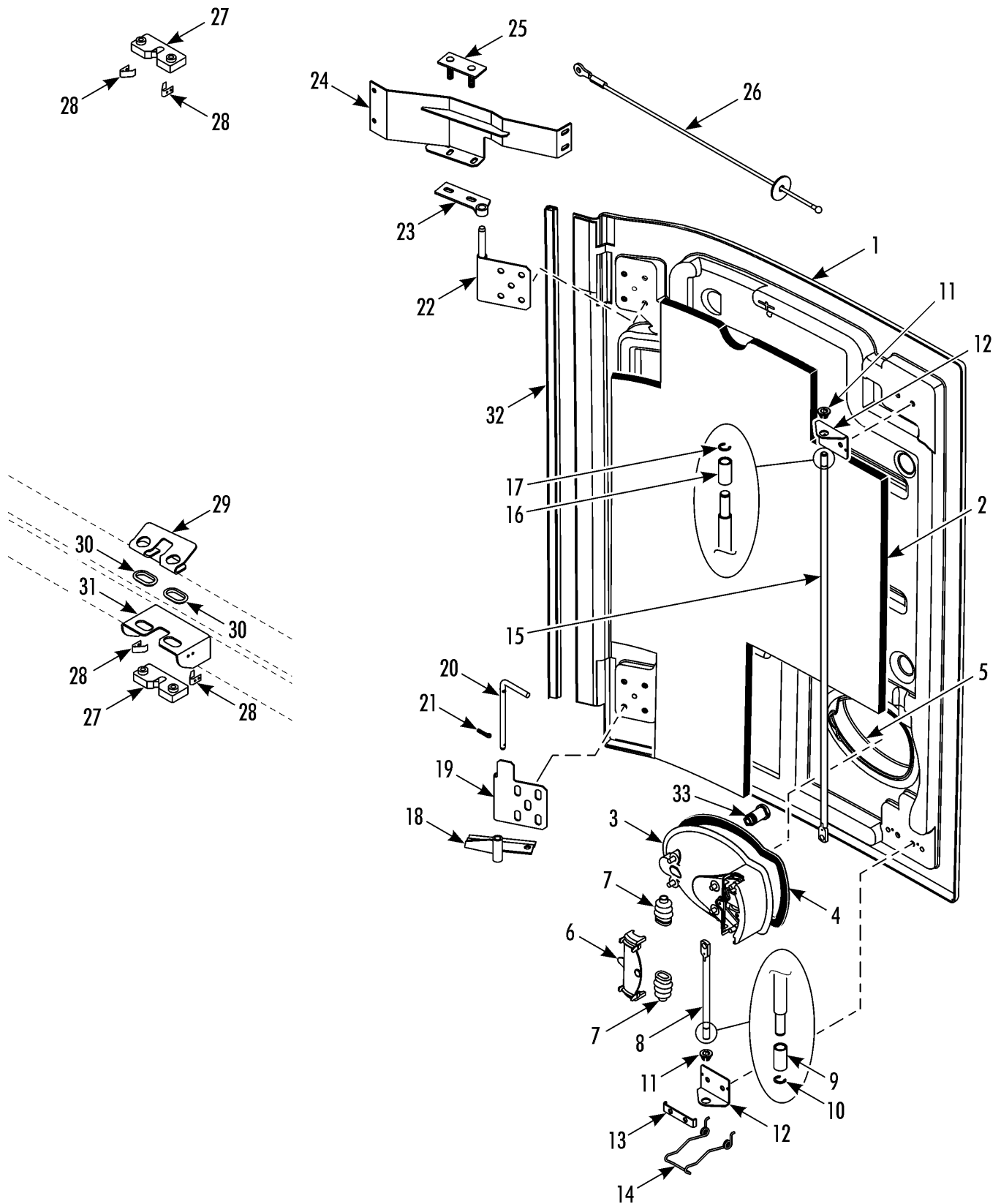
REF	PART NO.	DESCRIPTION	QTY
1	98-5763	DOOR - curbside (std white)	1
	98-7164	DOOR - curbside (paintable)	1
	98-9095	DOOR - curbside (SLP)	1
2	33-3256	FOAM - curbside door (before 1/12)	1
	33-4875	FOAM - curbside door (1/12 & after)	1
3	90-264	KIT - door hinge (curbside)	1
4	33-2955	*GROMMET - bumper	2
	55-3035	*RIVET - grommet	2
5	99-8100	*PIN - door pivot (lower)	1
6	55-5601	*PIN - cotter	1
7	92-1130	*HINGE - bottom (curbside door)	1
8	92-1129	*HINGE - top (curbside door)	1
	55-3018	*SCREW - hinge	8
	55-1800	*LOCKWASHER	8
	55-2086	*FLATWASHER	8
9	91-5234	*PLATE - hinge	2
10	92-4682	*CABLE - door stop	2
11	92-383	HINGE - curbside door (upper)	1
	55-4118	NUT - hinge	2
	55-411	FLATWASHER	2
12	92-1132	BOLTSTRIP - hinge	1
	55-3000	SCREW - cable	2
	55-431	FLATWASHER	4
	55-5292	NUT	2
13	92-1131	BRACKET - door hinge	1
	55-371	FLATWASHER	3
	55-4967	NUT	3
14	92-384	HINGE - curbside door (lower)	1
	55-101	SCREW - hinge	2
	55-366	LOCKWASHER	2
	55-411	FLATWASHER	2
15	33-3261	GASKET (cut to length)	A/R





Revised
03/01/16

REF	PART NO.	DESCRIPTION	QTY
1	98-7058	DOOR - roadside	1
	98-9096	DOOR - roadside (SLP)	1
2	33-3257	FOAM - roadside door	1
3	90-368	LATCH - door	1
	55-4118	NUT - latch	4
4	33-4120	GASKET - handle	1
5	33-3339	O-RING - latch	1
6	92-4989	COVER - door handle	1
7	33-4176	BELLOW - latch	2
8	92-3071	ROD - lower (incl 9 & 10)	1
9	92-3070	*BUSHING	1
10	51-671	*CLIP - retaining	1
	55-4118	NUT - rod (upper & lower)	2
	55-9687	WASHER - wave	2
11	92-541	BUSHING - rod guide	2
12	92-3876	BRACKET - rod guide	2
	55-145	SCREW - bracket	4
	55-366	LOCKWASHER	4
	90-354	KIT - secondary latch (incl items 12, 13 & 14)	1
13	92-3875	*BRACKET - spring retaining	1
14	92-3877	*SPRING - secondary lock	1
15	92-3072	ROD - upper (incl 16 & 17)	1
16	92-3070	*BUSHING	1
17	51-671	*CLIP - retaining	1
18	92-386	HINGE - roadside door (lower)	1
	55-145	SCREW - hinge	2
	55-366	LOCKWASHER	2
	55-411	FLATWASHER	2
19	92-1134	HINGE - roadside door (bottom)	1
	55-145	SCREW - hinge	8
	55-366	LOCKWASHER	8
	55-411	FLATWASHER	8
20	99-8100	PIN - door pivot (lower)	2



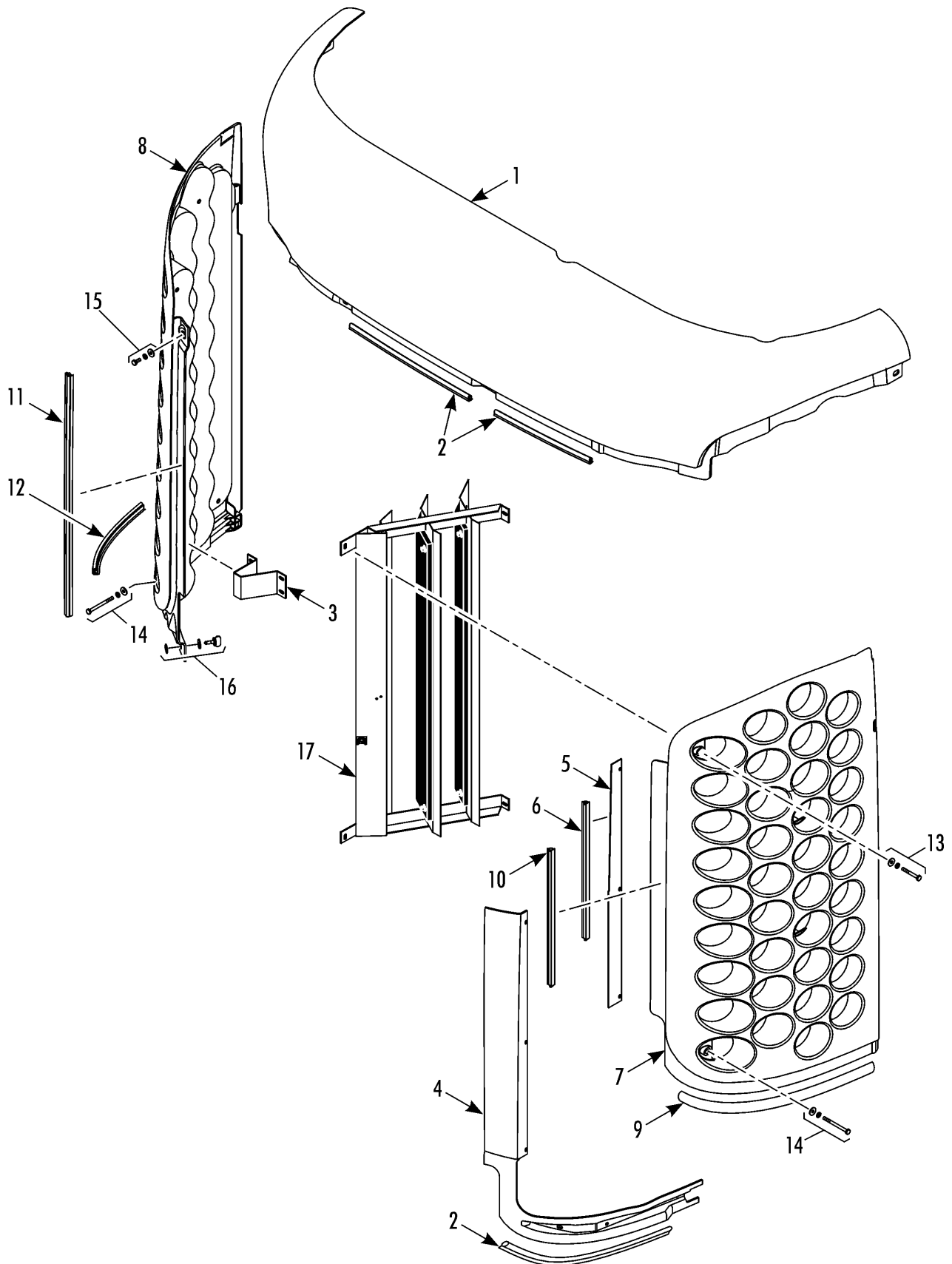
CENTER ROADSIDE DOOR GROUP



201F5

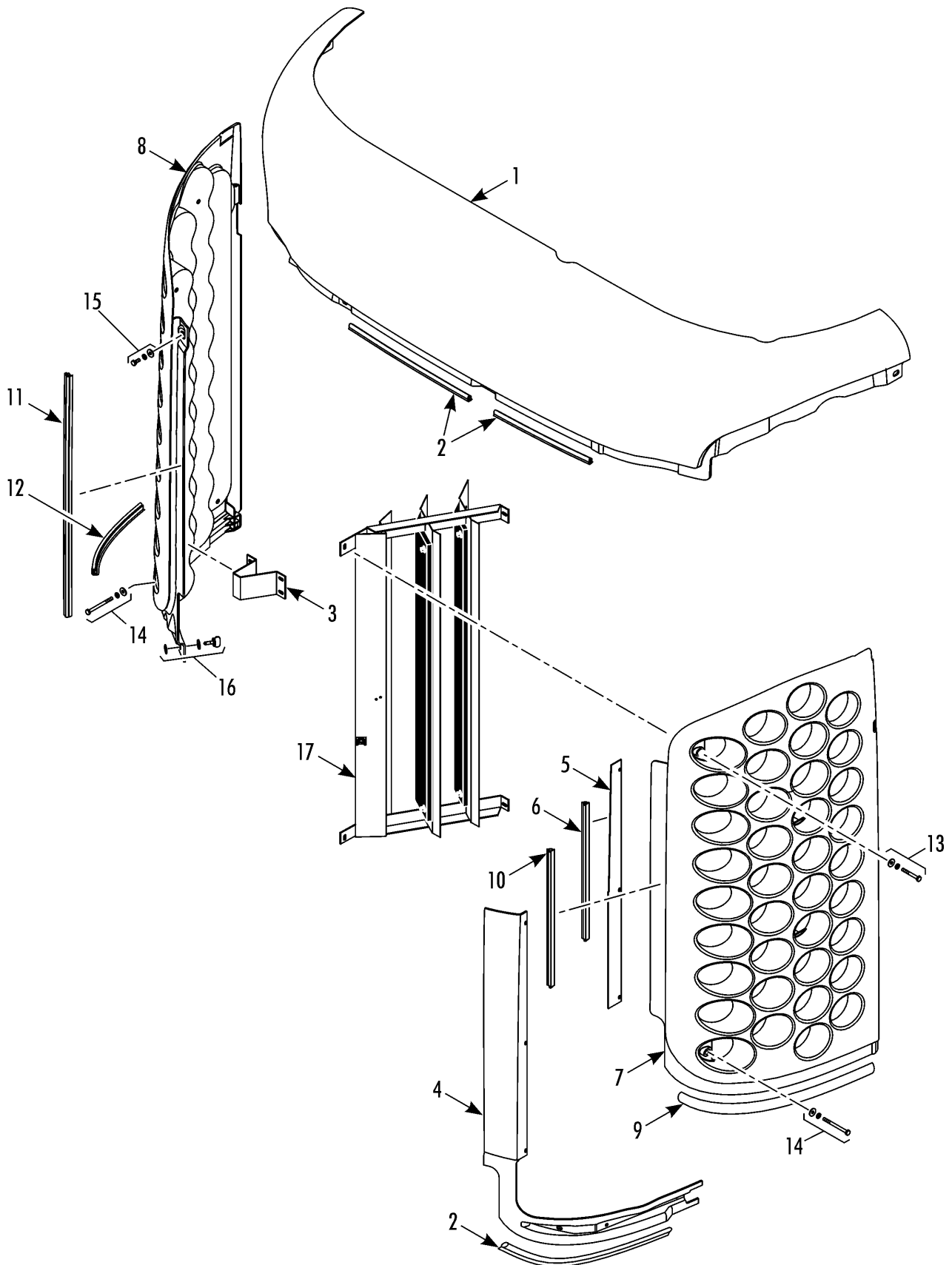
Revised
03/01/16

REF	PART NO.	DESCRIPTION	QTY
21	55-5601	PIN - cotter	2
22	92-1133	HINGE - roadside door (top)	1
23	92-383	HINGE - roadside door (upper)	1
24	92-4681	BRACKET - roadside hinge (top)	1
25	92-1135	BOLTSTRIP - hinge	1
26	92-4682	CABLE - door stop	2
	55-3000	SCREW - cable	2
	55-431	FLATWASHER	4
	55-5292	NUT	2
27	92-374	LATCH - slam	2
	55-826	SCREW - latch	4
	55-366	LOCKWASHER	4
	55-411	FLATWASHER	4
	55-9428	WASHER	4
28	92-376	SPRING - slam latch	4
	55-2988	RIVET - blind	12
29	92-3874	BRACKET - spring catch	1
	55-145	SCREW - bracket (3/4)	1
	55-826	SCREW - bracket (7/8)	2
	55-366	LOCKWASHER	4
30	55-9429	BUSHING - door latch	2
31	92-2887	BRACKET - lower latch (welded to frame)	1
32	33-3261	GASKET (cut to length)	A/R
33	92-6929	LOCK - door (inc. two keys)	1





REF	PART NO.	DESCRIPTION	QTY
1	90-433	CAP - top (std while, ABS, includes heat shield 92-8823, see 247E9)	1
	90-434	CAP - top (paintable, Acrylic)	1
	55-5965	SCREW - cap (torx head)	2
	51-1174	SCREW - cap (torx head, w/ nylon)	2
	55-3018	SCREW - cap (hex head)	3
	55-1800	LOCKWASHER	8
	55-7740	WASHER - special	12
	55-9686	WASHER (neoprene)	2
2	33-3261	GASKET - seal (cut to length)	A/R
3	92-387	BRACKET - grille	1
	55-145	SCREW - bracket	4
	55-366	LOCKWASHER	4
	55-411	FLATWASHER	4
4	92-382	SHIELD - condenser coil (before 2006)	1
5	92-5111	SHIELD - condenser coil (current style)	1
	55-4829	SCREW - shield	3
6	33-4249	GASKET - seal (27 inch)	1
7	98-7473	GRILLE - roadside (white, incl items 11, 12, 14, 15, 16)	1
	98-7474	GRILLE - roadside (gray, incl items 11, 12, 14, 15, 16)	1
	98-7197	GRILLE - roadside (black, incl items 11, 12, 14, 15, 16)	1
	98-7475	GRILLE - roadside (chrome, incl items 11, 12, 14, 15, 16)	1
	98-8494	GRILLE - roadside (paintable, incl items 11, 12, 14, 15, 16)	1
	98-9100	GRILLE - roadside (SPL, incl items 11, 12, 14, 15, 16)	1
	55-2977	SCREW - grille	2
	55-1800	LOCKWASHER	2
	55-7740	WASHER - special	2
8	98-7469	GRILLE - curbside (white, incl items 5, 6, 7, 13, 14)	1
	98-7470	GRILLE - curbside (gray, incl items 5, 6, 7, 13, 14)	1
	98-7302	GRILLE - curbside (black, incl items 5, 6, 7, 13, 14)	1
	98-7471	GRILLE - curbside (chrome, incl items 5, 6, 7, 13, 14)	1
	98-8054	GRILLE - curbside (paintable, incl items 11, 12, 14, 15, 16)	1
	98-9099	GRILLE - curbside (SPL, incl items 11, 12, 14, 15, 16)	1
9	33-4251	GASKET - grille (16.0 inch)	1



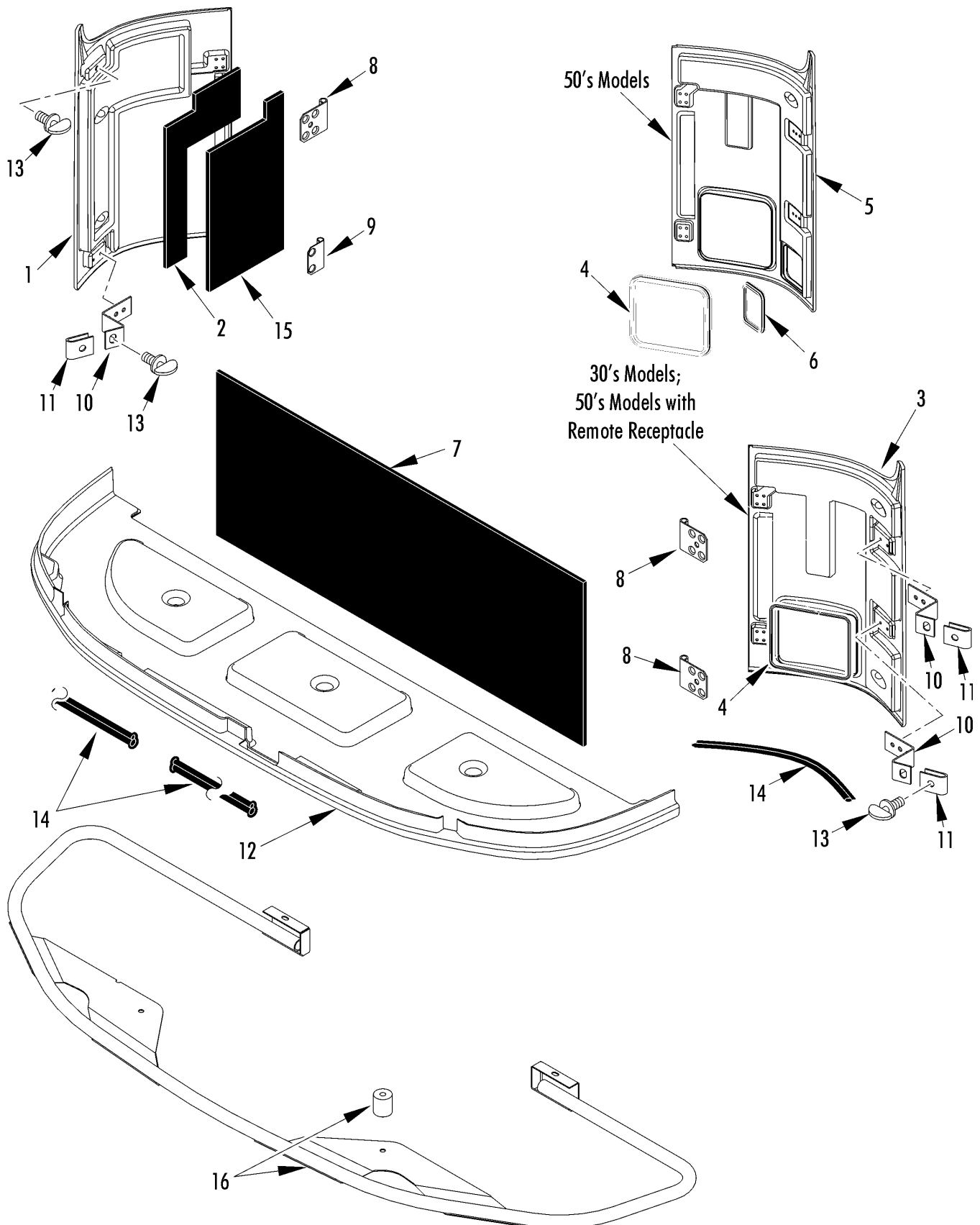
Revised
01/14/14

TOP CAP & GRILLES



158F7

REF	PART NO.	DESCRIPTION	QTY
10	33-4250	GASKET - grille (28.5 inch)	1
11	33-4240	GASKET - grille (26.0 inch)	1
12	33-4241	GASKET - grille (14.7 inch)	1
13	55-3462	SCREW - grille (2.0 inch)	1
14	55-3344	SCREW - grille (3.0 inch)	2
15	55-3018	SCREW - grille (.62 inch)	1
	55-1800	LOCKWASHER	4
	55-4414	WASHER - special	4
16	55-3369	SCREW - wing	1
	51-1495	WASHER - special	1
	55-7112	WASHER - retainer	1
17	92-7230	BAFFLE - noise (optional)	1



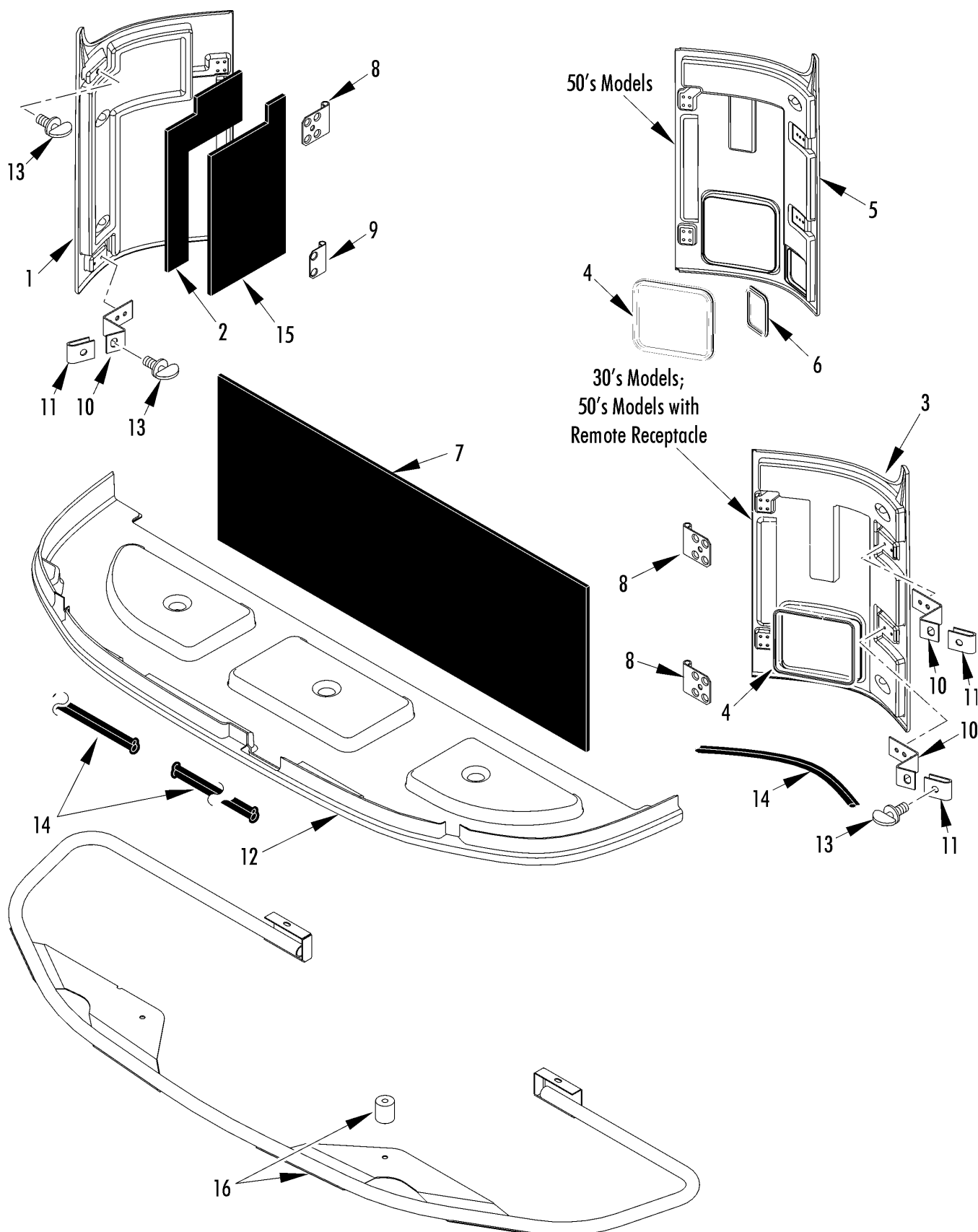
BOTTOM PAN & LOWER PANELS



228E3

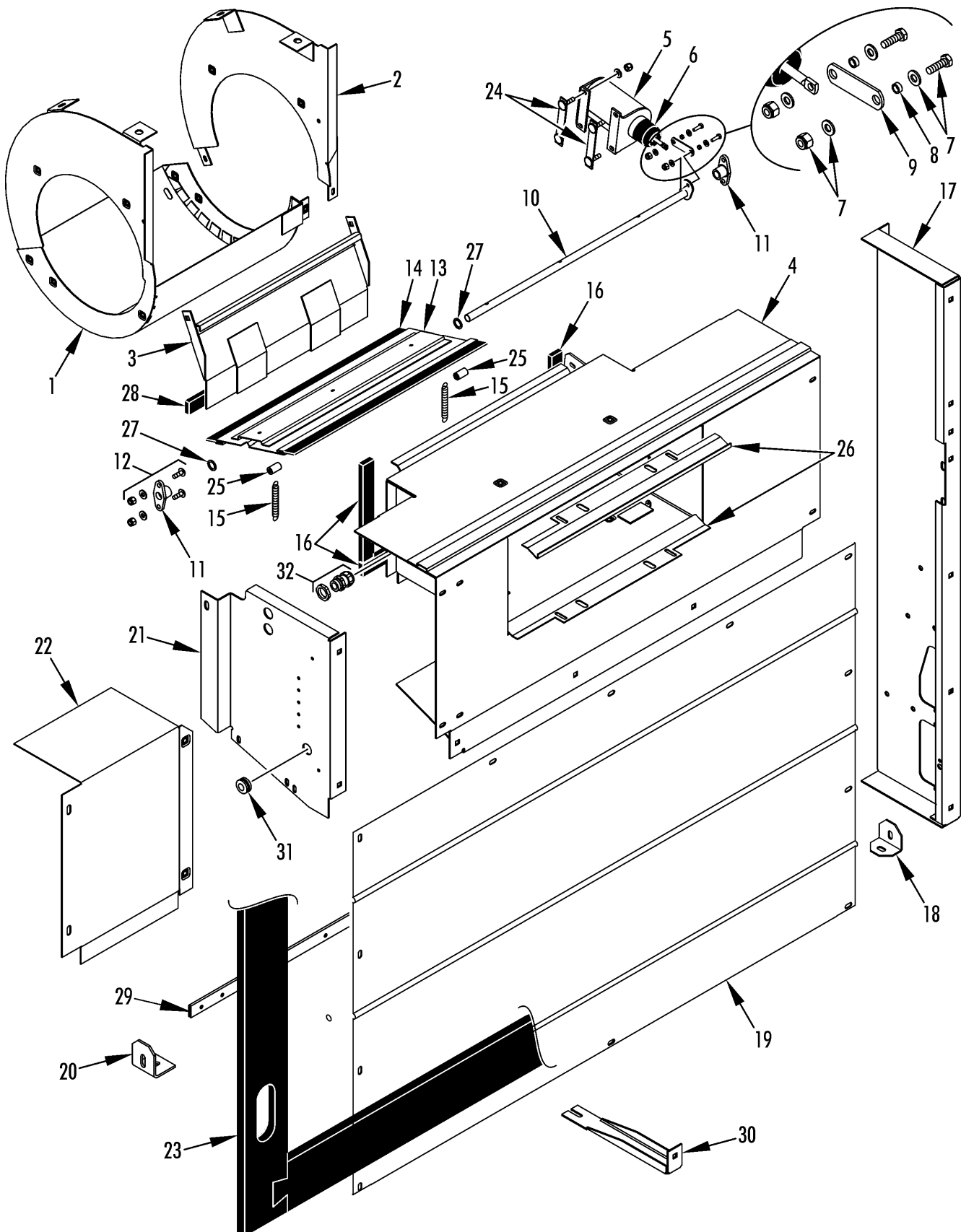
Revised
06/12/15

REF	PART NO.	DESCRIPTION	QTY
1	98-5762	PANEL - curbside (std white)	1
	98-7161	PANEL - curbside (paintable)	1
2	33-3254	FOAM - panel	1
3	98-7078	PANEL - roadside (SR-2/SR-3 controller, std white)	1
	98-7169	PANEL - roadside (SR-2/SR-3 controller, paintable)	1
4	33-4161	GASKET - SR-2/SR-3 door	1
5	98-8058	PANEL - roadside (50's & SR-2 controller, std white)	1
	98-8059	PANEL - roadside (50's & SR-2 controller, paintable)	1
6	33-3255	FOAM - panel (receptacle, 50's)	1
7	33-3340	FOAM - trailer wall	1
8	92-1137	HINGE - panel	3
9	92-1136	HINGE - panel	1
	55-538	SCREW - hinge	6
	55-366	LOCKWASHER	6
	55-411	FLATWASHER	6
10	92-396	PLATE - panel fastener	3
	55-145	SCREW - plate	6
	55-366	LOCKWASHER	6
	55-411	FLATWASHER	6
11	55-4318	U-NUT	3
	55-538	SCREW - plate	2
	55-366	LOCKWASHER	2
	55-411	FLATWASHER	2
12	98-7057	PAN - bottom	1
	98-7502	PAN - bottom (paintable)	1
	98-7765	PAN - bottom (SLP)	1
	55-145	SCREW - pan (hex hd)	4
	55-5965	SCREW - pan (Torx hd)	4
	55-1800	LOCKWASHER	4
	55-7740	WASHER - special	4
13	55-3369	FASTENER - wing screw	6
	55-7112	WASHER - retainer	6
14	33-3261	GASKET (cut to length)	A/R



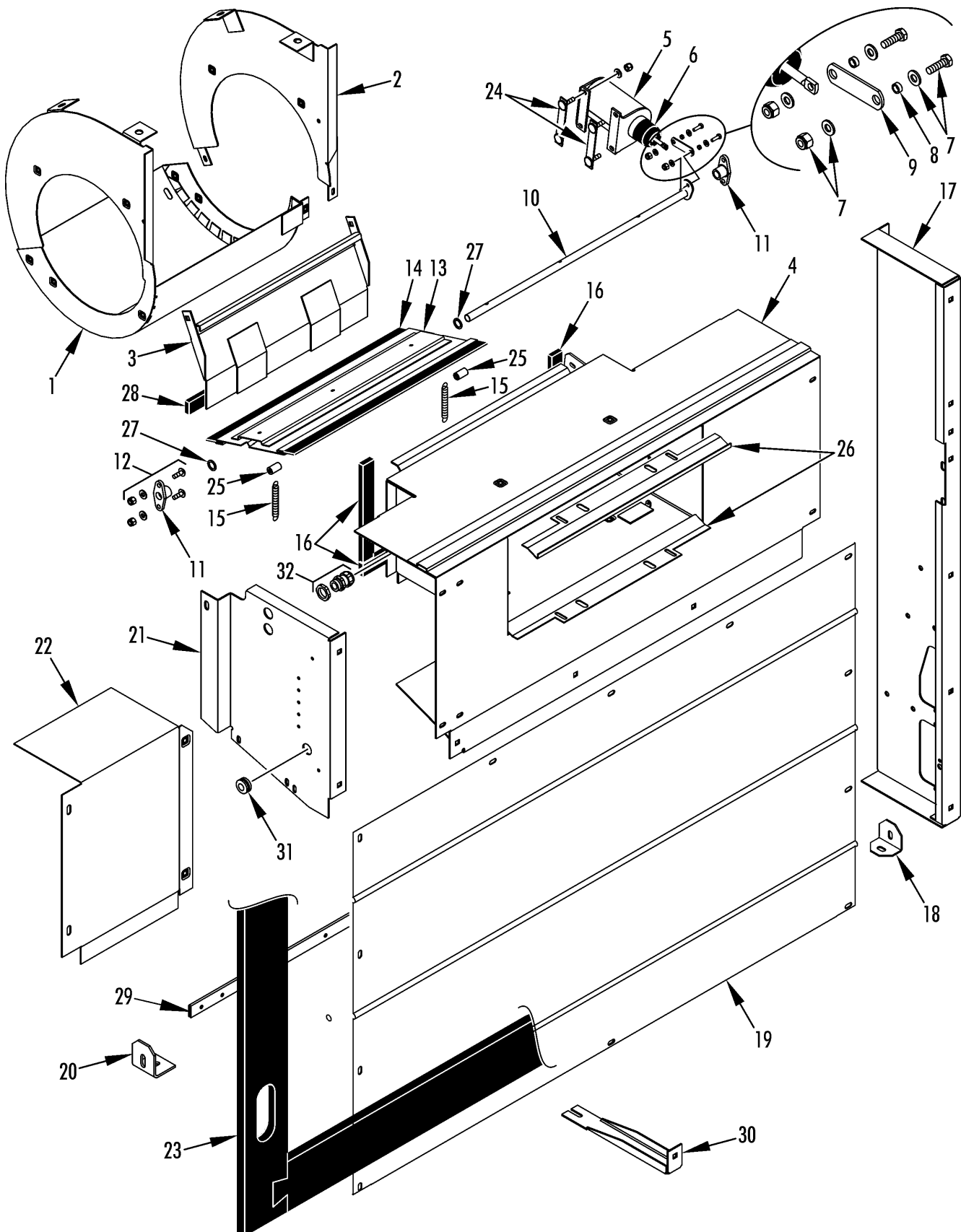
BOTTOM PAN & LOWER PANELS**228E3**Revised
06/12/15

REF	PART NO.	DESCRIPTION	QTY
15	33-3255	FOAM - curbside	1
16	909-130	GUARD - door (optional)	1
	92-6862	*SPACER - guard	2
	55-3505	*SCREW - guard	6
	55-2641	*FLATWASHER	8
	55-4955	*NUT	2



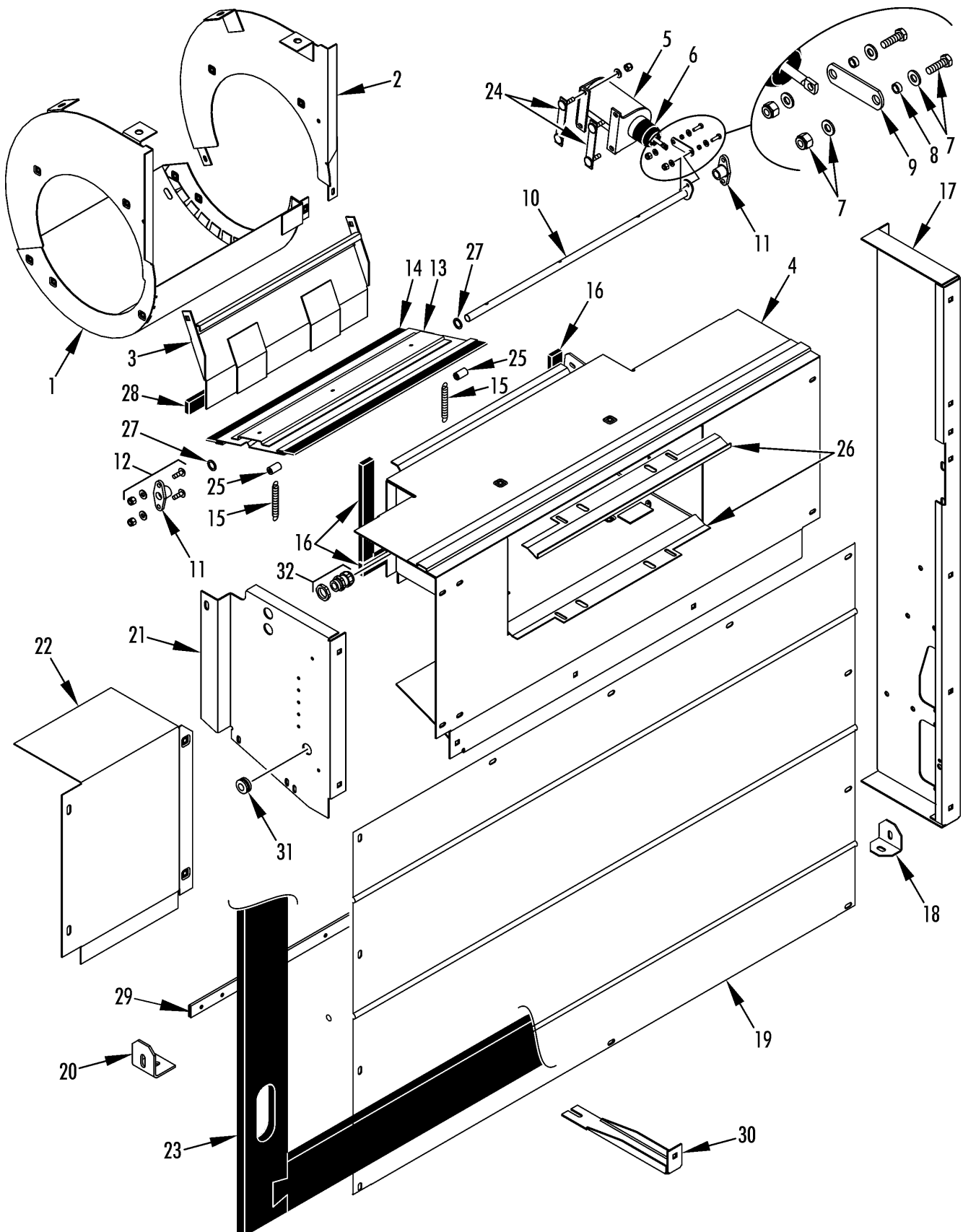


REF	PART NO.	DESCRIPTION	QTY
1	98-5817	HOUSING - evaporator blower	1
2	98-5766	PANEL - evaporator blower housing	1
	55-8317	SCREW - housing	6
	55-3045	LOCKWASHER - dome	6
3	99-7962	MEMBER - evaporator blower housing	1
	92-9007	MEMBER - evaporator blower housing (after 6/11, see 250E1/250E6)	1
	55-1587	SCREW - member	4
	55-1800	LOCKWASHER	4
	55-2086	FLATWASHER	4
	55-3059	NUT - captive	2
4	98-6483	PANEL - damper (SB-130 & 230)	1
	98-6447	PANEL - damper (SB-330)	1
	55-5972	SCREW - panel	4
	55-3045	LOCKWASHER - dome	4
	55-3059	NUT - captive	4
5	44-2823	SOLENOID	1
6	91-3095	*BOOT - solenoid	1
	44-9590	HARNESS - ground	1
	55-2086	FLATWASHER	4
	55-4953	NUT - solenoid	4
7	55-3027	SCREW - link	2
	55-2001	FLATWASHER	4
	55-4560	NUT	4
8	99-837	SPACER - link	2
9	91-5811	LINK - damper	1
10	91-5804	SHAFT - damper	1
	55-3031	SCREW - shaft	2
	55-2001	FLATWASHER	2
	55-2964	LOCKWASHER	2
	55-2965	NUT	2
11	99-6565	BEARING - damper	2
12	55-3098	SCREW - bearing	4
	55-2086	FLATWASHER	4





REF	PART NO.	DESCRIPTION	QTY
	55-4953	NUT	4
13	98-4599	BLADE - damper	1
14	33-1598	*STRIP - damper blade (rubber)	2
15	99-317	SPRING - damper	2
16	99-8562	STRIP (rubber)	A/R
17	98-3741	BRACKET - evaporator coil	1
	55-2963	SCREW (5/16-18 x 3/4)	3
	55-3089	SCREW (5/16-18 x 1-1/2)	3
	55-2958	FLATWASHER	9
	55-2959	LOCKWASHER	3
	55-4954	NUT	3
	55-3059	NUT - captive (1/4-20)	6
18	99-7998	ANGLE - evaporator coil	1
	55-2969	SCREW - angle	1
	55-2958	FLATWASHER	2
	55-4954	NUT	1
19	98-8599	COVER - evaporator coil (SB-130/230)	1
	98-8598	COVER - evaporator coil (SB-330)	1
	98-6450	COVER - evaporator coil (SB-330 RR)	1
	55-5972	SCREW - cover	12
	55-3045	LOCKWASHER - dome	12
20	99-8089	ANGLE - evaporator coil	1
	55-2963	SCREW - angle	2
	55-2958	FLATWASHER	2
	55-4954	NUT	2
21	91-7114	PANEL - air block (SB-130 & 230)	1
	91-5805	PANEL - air block (SB-330)	1
	55-1587	SCREW - panel	2
	55-1800	LOCKWASHER	2
	55-2086	FLATWASHER	2
	55-3059	NUT - captive	4
22	92-7560	PLATE - cover (SB-130/230)	1
	92-7804	PLATE - cover (SB-330)	1



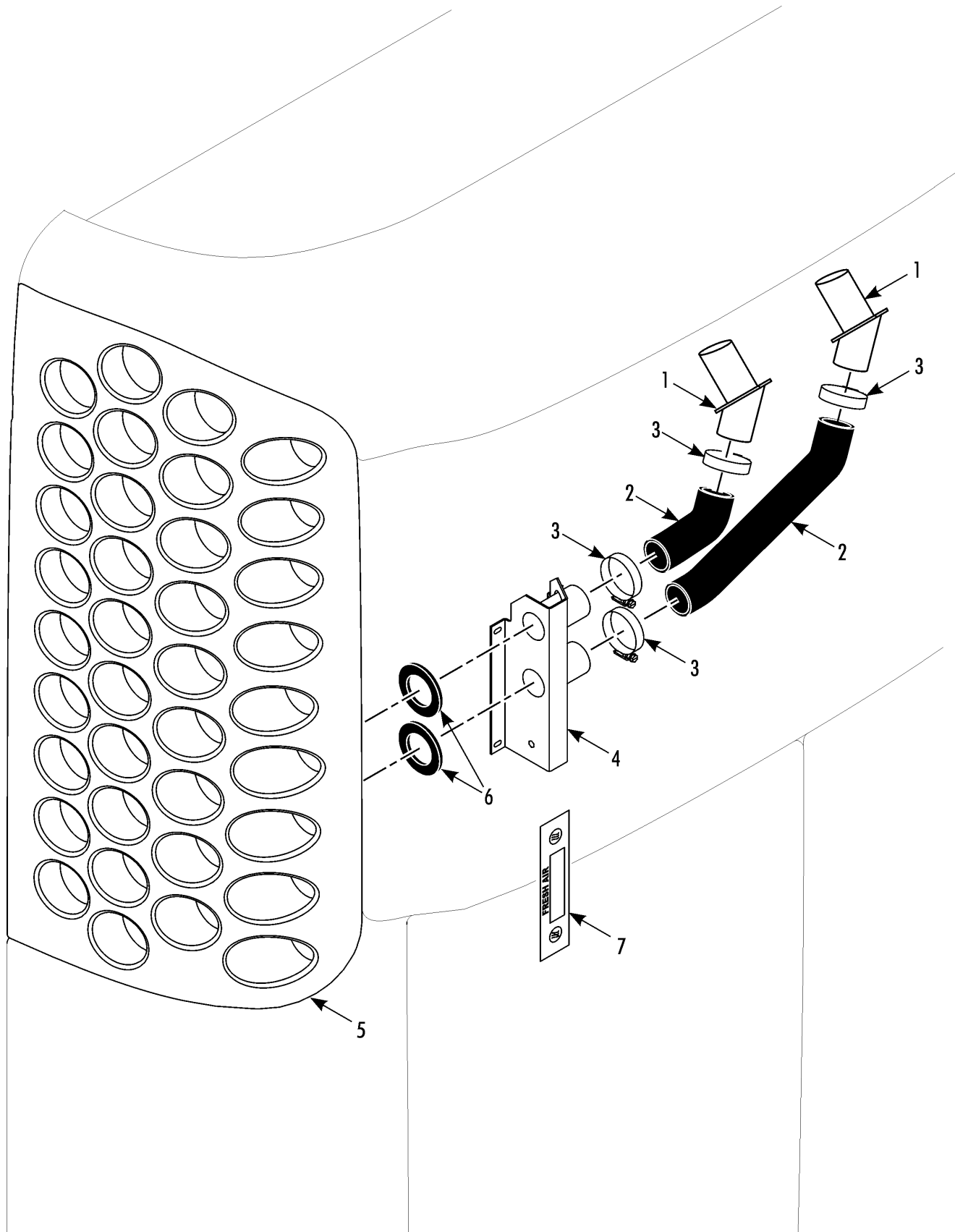
EVAPORATOR COMPONENTS



247F1

Revised
09/19/13

REF	PART NO.	DESCRIPTION	QTY
	55-5972	SCREW - plate	4
	55-3045	LOCKWASHER - dome	4
	55-3059	NUT - captive	4
23	33-2918	GASKET - sill	1
24	91-7113	BOLTSTRIP - solenoid	2
25	91-3599	STOP - damper	2
	55-3031	SCREW - stop	2
	55-2964	LOCKWASHER	2
	55-2001	FLATWASHER	2
26	99-8820	STOP - damper	2
	55-3027	SCREW - stop	4
	55-2964	LOCKWASHER	4
	55-2001	FLATWASHER	4
	55-4526	NUT - captive	4
27	55-5675	WASHER - damper	1
28	33-1793	STRIP - sealing	2
29	99-9423	CHANNEL - drain pan	1
30	91-6902	BRACE - evaporator cover	1
31	33-1213	GROMMET - sensors & harness	3
32	55-5111	CONNECTOR - sensors	2



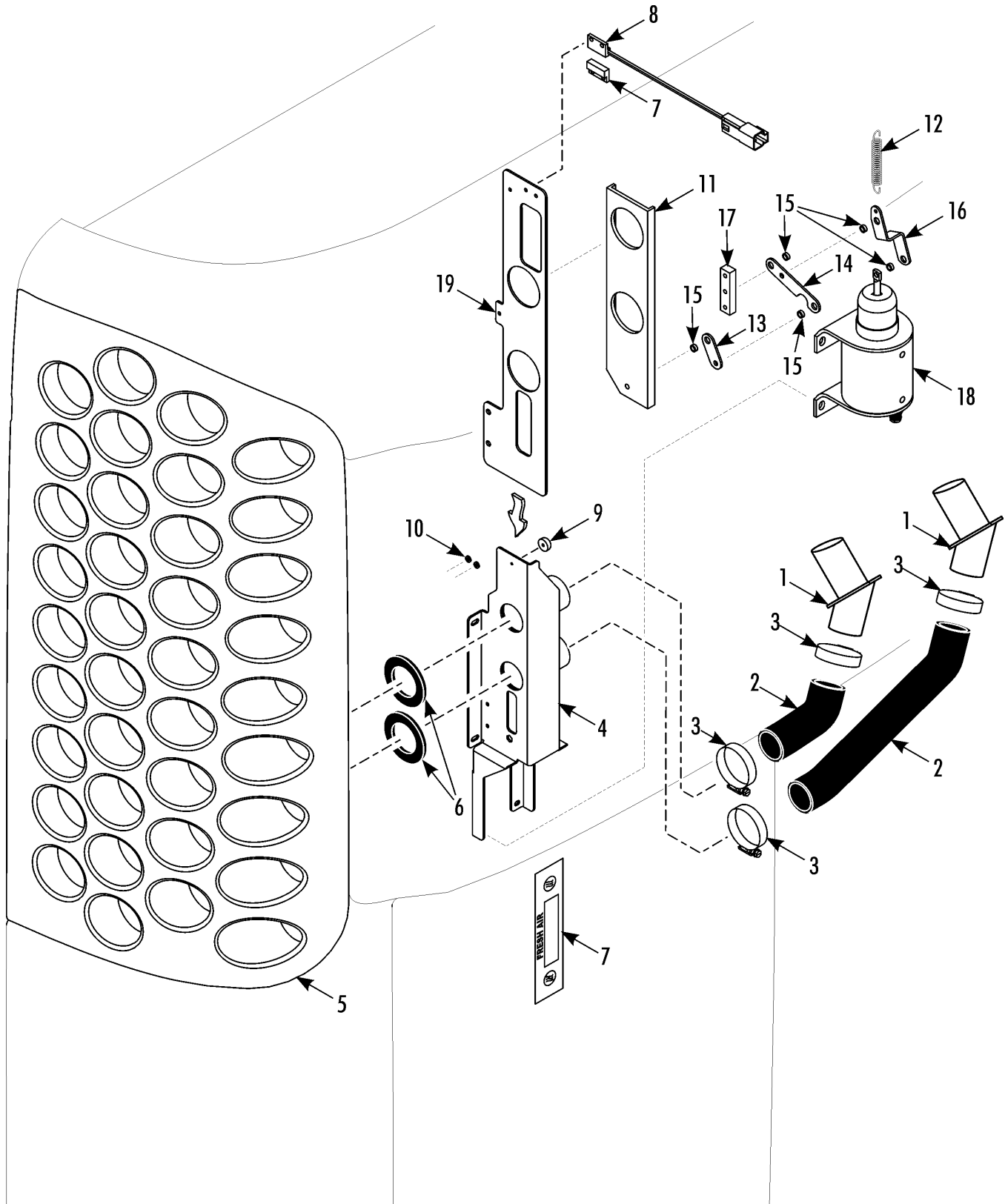
Revised
05/05/11

**FRESH AIR EXCHANGER GROUP (OPTION
002026 & 002070)**



167A5

REF	PART NO.	DESCRIPTION	QTY
1	92-1394	ADAPTER - air exchanger	2
	55-9756	RIVET - adapter	8
2	98-949	HOSE - flexible (25 ft)	A/R
3	55-4979	CLAMP - hose	4
4	92-1395	BRACKET - fresh air	1
	55-8711	INSERT (1/4-20, brass)	1
	55-6863	INSERT (1/4-20, steel)	3
5	98-7472	GRILLE	1
	98-6210	GRILLE (gray)	1
	98-6212	GRILLE (chrome)	1
6	33-3397	*GASKET - fresh air exchanger	1
7	92-1396	*NAMEPLATE - fresh air exchanger	1



FRESH AIR EXCHANGER GROUP (OPTION 069150)



250F1

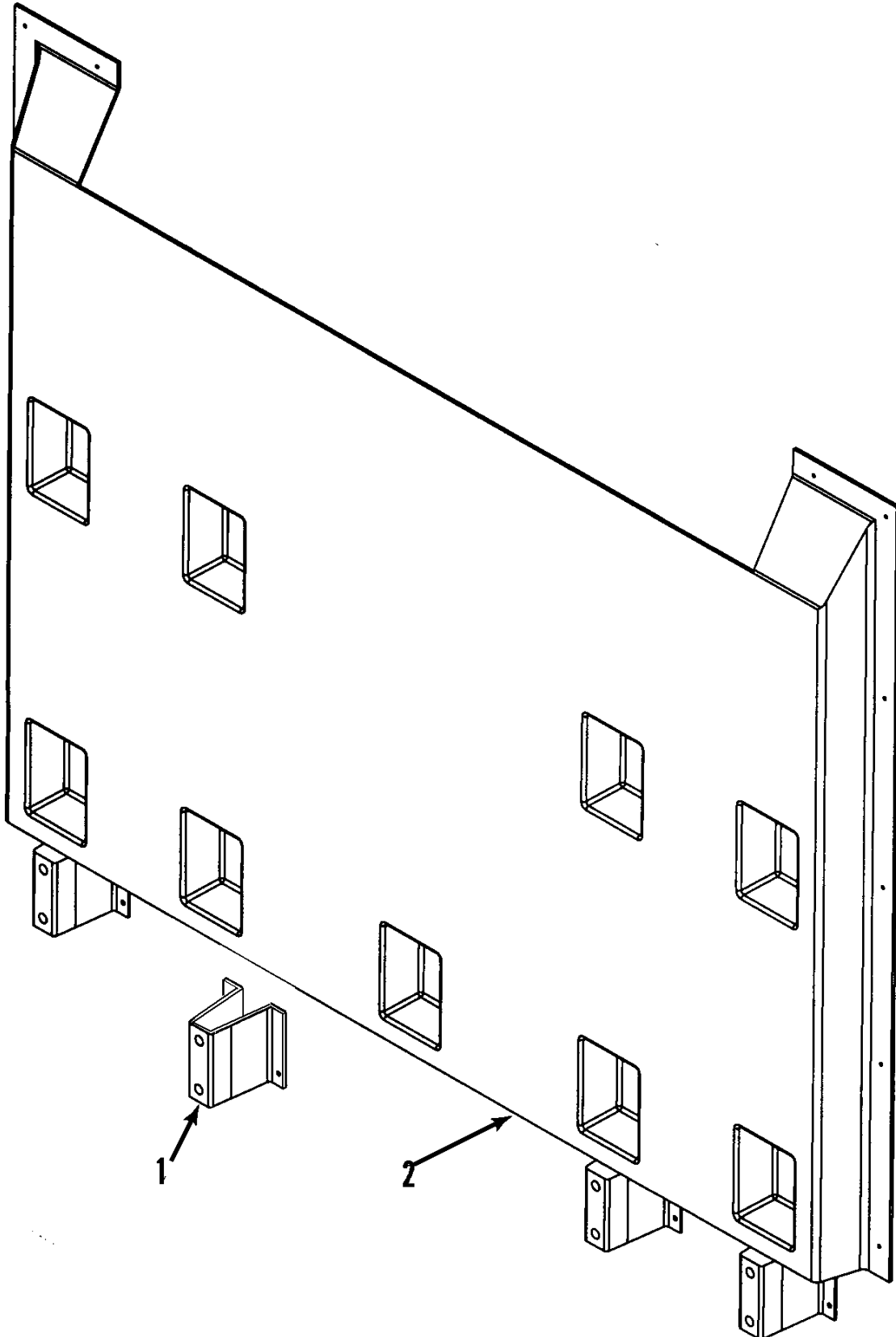
REF	PART NO.	DESCRIPTION	QTY
1	92-1394	ADAPTER - air exchange	2
	55-9756	RIVET - adapter	8
2	98-949	HOSE - flexible (25 ft)	A/R
3	55-4979	CLAMP - hose	4
4	92-9039	BRACKET - fresh air	1
	55-8979	INSERT (1/4-20, brass)	1
5	98-8745	GRILLE	1
6	33-3397	GASKET - fresh air exchange	2
7	41-9914	MAGNET	1
8	41-9915	SWITCH - air exchange	1
	55-3272	RIVET - switch & magnet	4
9	92-2996	BUMPER	1
	55-2262	RIVET - bumper	1
10	51-2115	WASHER	2
11	92-9040	SLIDE	1
12	92-9646	SPRING	1
13	92-9041	LINKAGE - slide	1
14	92-9042	LINKAGE - pivot	1
15	99-837	SPACER - linkage	5
16	92-9043	LINKAGE - solenoid	1
17	92-9044	BLOCK - pivot	1
	55-3024	SCREW - linkage (1/2 inch)	1
	55-3027	SCREW - linkage (5/8 inch)	5
	55-2991	SCREW - linkage (3/4 inch)	1
	55-2086	FLATWASHER	8
	55-4560	NUT	4
	44-2756	DIODE	1
18	41-9946	SOLENOID	1
	55-1587	SCREW - solenoid	4
	55-2086	FLATWASHER	4

147B1



**RETURN AIR BULKHEAD & PALLET STOP
(OPTION 048697)**

Revised
03/23/98



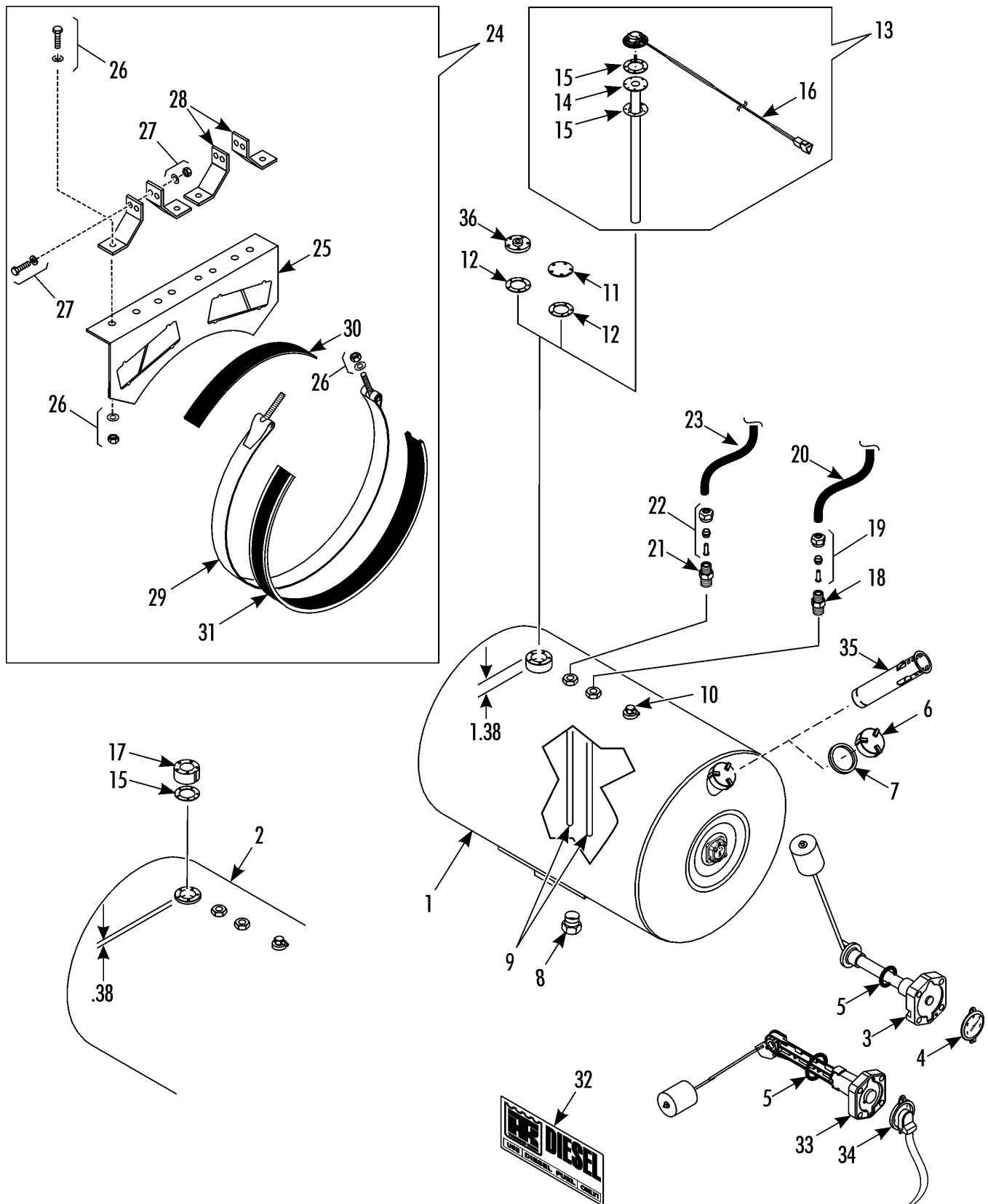
Revised
03/23/98

**RETURN AIR BULKHEAD & PALLET STOP
(OPTION 048697)**



147B1

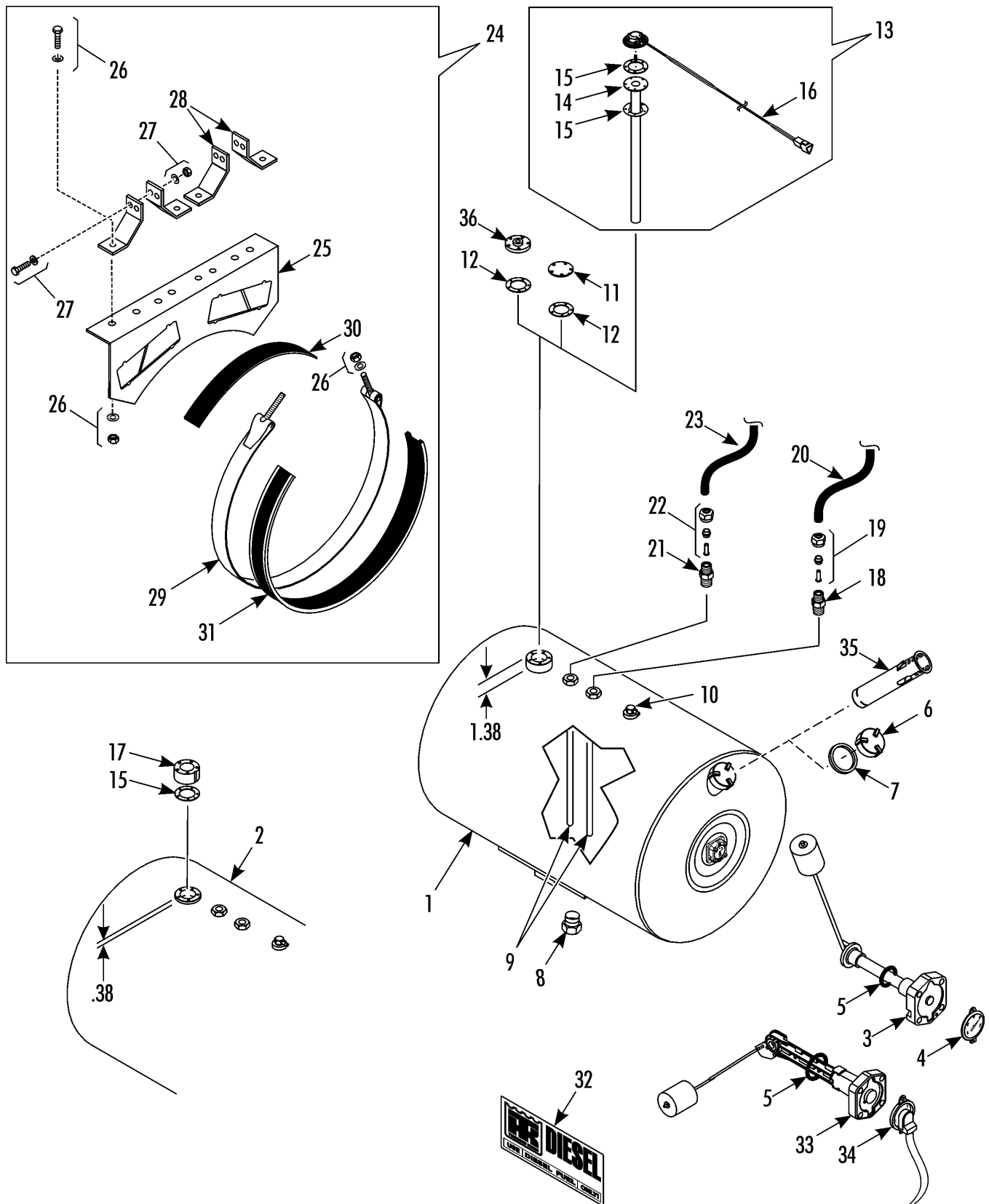
REF	PART NO.	DESCRIPTION	QTY
1	91-8394	STOP - pallet	4
	55-8429	SCREW - stop	16
2	98-5255	BULKHEAD - return air	1



FUEL TANK (22 IN DIAMETER, 50 GALLON ALUMINUM)


247E0

REF	PART NO.	DESCRIPTION	QTY
1	12-954	TANK - fuel (50 gallon, w/ fuel level sensor)	1
	12-952	TANK - fuel (50 gallon, heat chamber, w/ fuel level sensor)	1
	12-951	TANK - fuel (50 gallon, anti-siphon, w/ fuel level sensor)	1
	12-953	TANK - fuel (50 gallon, polished, w/ fuel level sensor)	1
2	12-1020	TANK - fuel (50 gallon)	1
	12-696	TANK - fuel (50 gallon, anti-siphon option 048602)	1
	12-769	TANK - fuel (50 gallon, heat chamber, arctic option 048675)	1
3	11-2501	*GAUGE - fuel (mechanical)	1
4	11-5450	**DIAL - fuel gauge	1
5	33-4818	**O-RING - fuel gauge	1
6	11-7984	*CAP - fuel	1
7	33-381	**GASKET - cap	1
8	11-9134	*DRAIN	1
9	11-2655	*TUBE - pickup	2
10	55-5617	*VENT	1
11	11-9741	*COVER - fuel tank	1
12	33-3878	*GASKET - cover	1
	55-1510	*SCREW - cover (5/8 lg)	5
	55-1511	*FLATWASHER	5
	55-431	*LOCKWASHER	5
13	40-1128	KIT - ultrasonic fuel level sensor (22 inch tank)	1
	41-9250	*SENSOR - fuel level (ultrasonic)	1
14	92-8161	*TUBE - sensor (ultrasonic)	1
15	33-4589	*GASKET - sensor tube	2
16	41-9722	*CABLE - fuel level sensor	1
17	13-1121	SPACER - sensor (adapts tanks with .38 inch neck height for sensor kit)	1
18	11-4370	CONNECTOR - hose fitting (1/4)	1
19	10-243	KIT - sleeve & eyelet (1/4)	1
	11-4841	NUT (1/4)	1
20	11-4367	HOSE (1/4 od x 35 ft lg)	1
21	11-8982	FITTING (3/8)	1
22	10-242	KIT - sleeve & eyelet (3/8)	1
	11-4941	NUT (3/8)	1



Revised
02/18/16

FUEL TANK (22 IN DIAMETER, 50 GALLON ALUMINUM)

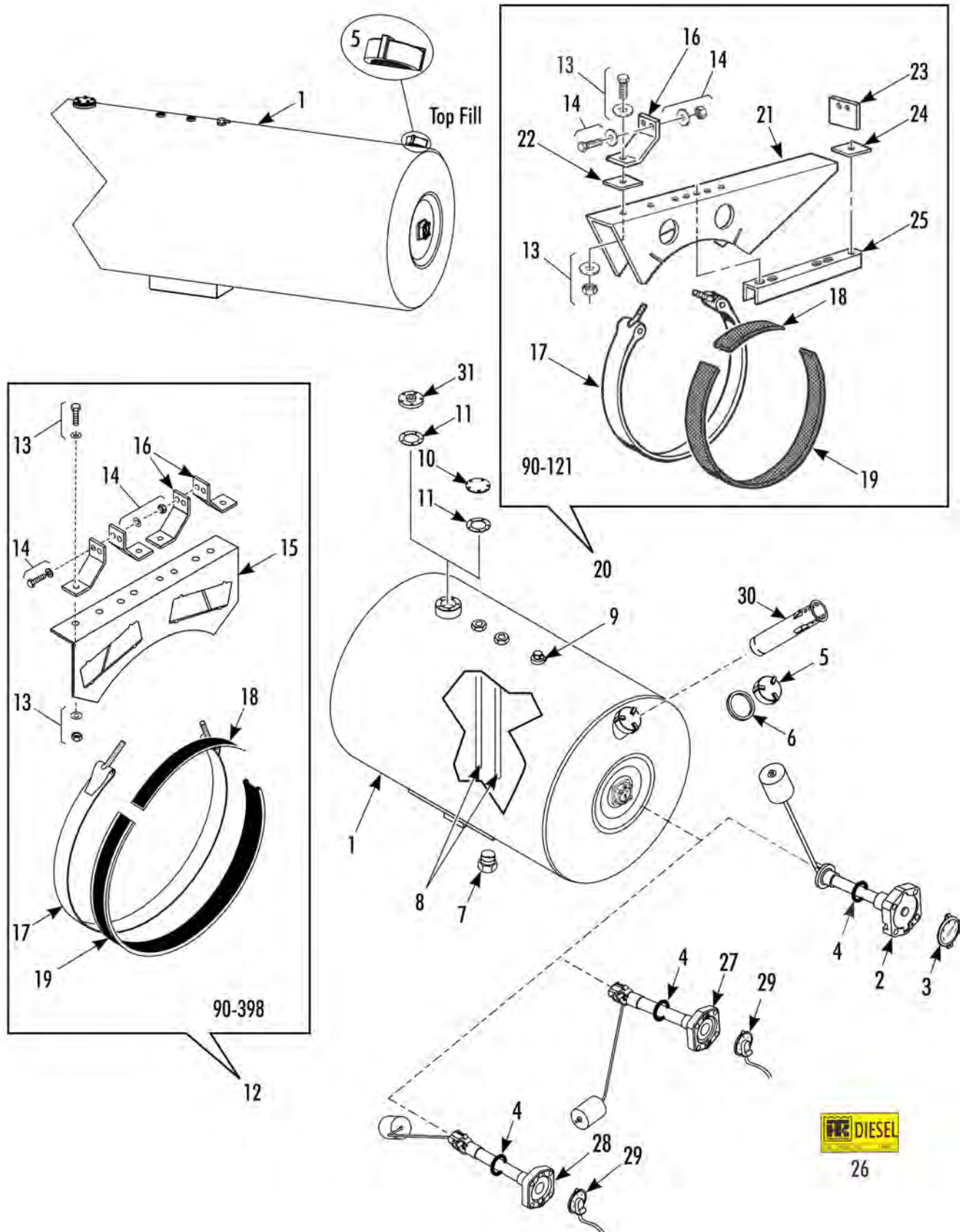


247E0

REF	PART NO.	DESCRIPTION	QTY
23	11-4372	HOSE (3/8 od x 35 ft lg)	1
24	90-398	KIT - fuel tank	1
25	98-8096	*HANGER - fuel tank	2
26	55-1670	*SCREW (1/2-13 x 1-3/4)	8
	55-5270	*FLATWASHER (1/2)	20
	55-3686	*NUT (1/2-13)	12
27	55-1469	*SCREW (3/8-16 x 1-1/2)	12
	55-402	*FLATWASHER (3/8)	20
	55-5078	*NUT (3/8-16)	12
28	98-8095	*BRACKET - hanger	8
29	98-2687	*STRAP & TEE - assembly	2
30	33-4479	*STRIP - chafing (4 in lg)	2
31	33-4478	*STRIP - chafing (67 in lg)	2
32	99-1596	NAMEPLATE - Diesel Fuel Only	1
33	13-2422	GAUGE - fuel (twin site, 50 gal. electronic)	1
34	13-837	*DIAL - gauge	1
35	11-9631	ANTISOPHON	1
36	92-9930	ADAPTER - threaded (1/2 npt)	1

124E13 FUEL TANK (22 IN DIAMETER 75/110/120 GALLON)

Revised
08/17/15



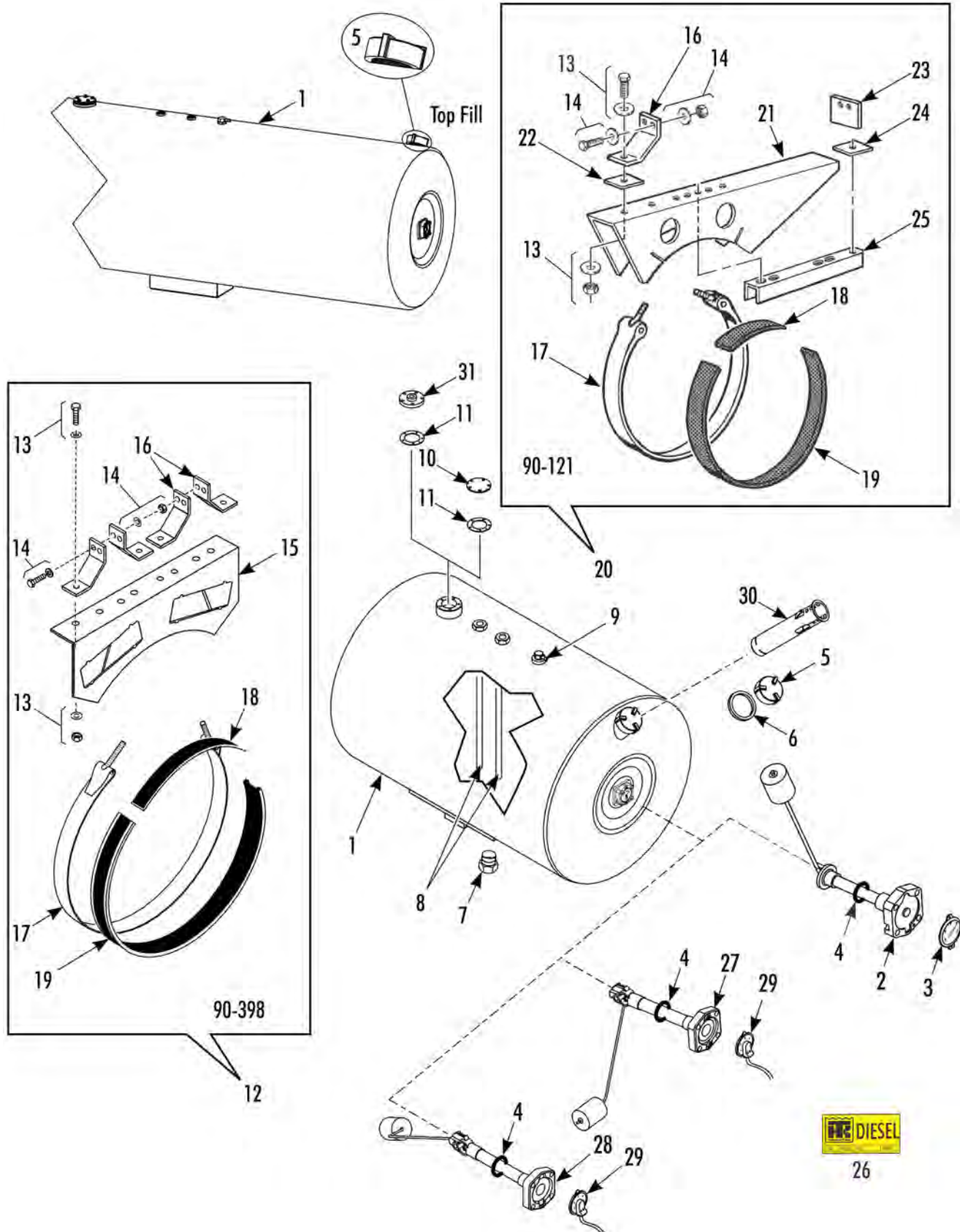
FUEL TANK (22 IN DIAMETER 75/110/120 GALLON)



124E13

REF	PART NO.	DESCRIPTION	QTY
1	12-1021	TANK - fuel (75 gallon, aluminum)	1
	12-987	TANK - fuel (110 gallon, aluminum, double end fill)	1
	12-1022	TANK - fuel (110 gallon, aluminum, end fill)	1
	12-1023	TANK - fuel (120 gallon, aluminum, end fill)	1
	12-915	TANK - fuel (120 gallon, aluminum, top fill)	1
2	11-2501	*GAUGE - fuel (mechanical)	1
3	11-5450	**DIAL - fuel gauge	1
4	33-4818	**O-RING - fuel gauge	1
5	11-7984	*CAP - fuel	1
6	33-381	**GASKET - fuel cap	1
7	11-9134	*DRAIN	1
8	11-2655	*TUBE - pickup	2
9	55-5617	*VENT	1
10	11-9741	*COVER - fuel tank (see 188C5 for fuel level sensor options)	1
11	33-3878	*GASKET - cover	1
	55-1510	*SCREW - cover	5
	55-1511	*FLATWASHER	5
	55-431	*LOCKWASHER	5
12	90-398	KIT - fuel tank (30/50 gal)	2
13	55-4794	*SCREW (1/2-13 x 2)	8
	55-5431	*FLATWASHER (1/2)	20
	55-3686	*NUT (1/2-13)	12
14	55-791	*SCREW (3/8-24 x 1-3/4)	12
	55-402	*FLATWASHER (3/8)	20
	55-3054	*NUT (3/8-24)	12
15	98-8096	HANGER - fuel tank	2
16	98-8095	BRACKET - hanger	8
17	98-2687	*STRAP & TEE	1
18	33-4479	*STRIP - chafing (4 in lg)	2
19	33-4478	*STRIP - chafing (67 in lg)	2
20	90-121	KIT - fuel tank (75 gallon & larger)	1
21	98-2817	*CHANNEL	2
22	99-8273	*PLATE - washer	8

NOTE: Fuel Gauge 11-9926 will not work on 30 gal fuel tanks.



Revised
08/17/15

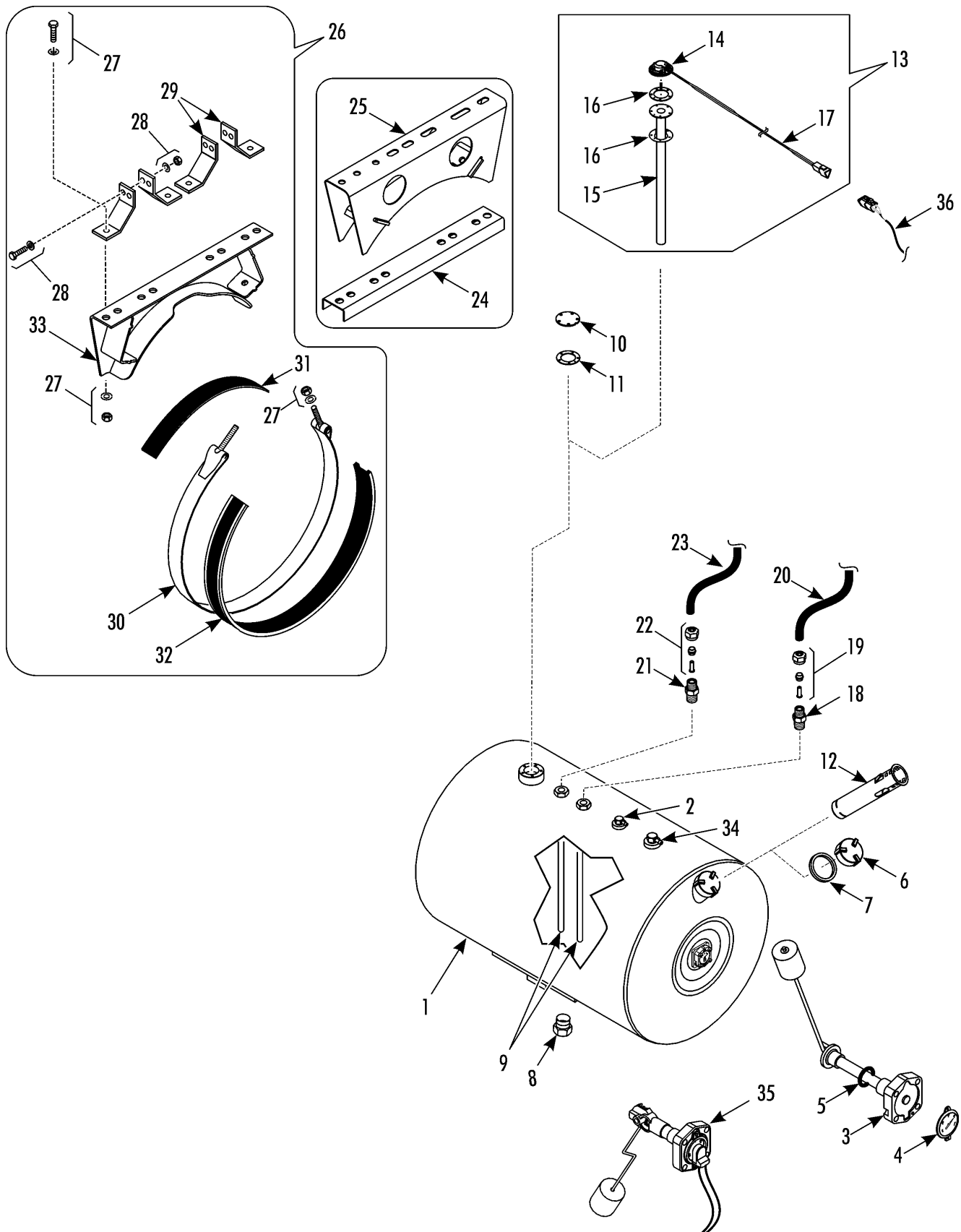
FUEL TANK (22 IN DIAMETER 75/110/120 GALLON)



124E13

REF	PART NO.	DESCRIPTION	QTY
23	99-8272	*PLATE - locking	4
24	99-8271	*PLATE - washer (0.10 thk)	2
25	98-2685	*HANGER - fuel tank (75 gal)	2
26	99-1596	NAMEPLATE - Diesel Fuel Only	1
27	13-2422	GAUGE - fuel (twin site, 50 gallon & larger, electronic)	1
28	13-1113	GAUGE - fuel (twin site, 30 gallon tanks, electronic)	1
29	13-837	*DIAL - fuel gauge (electric)	1
30	11-9631	TUBE - anti-siphon (see PB1435)	1
31	92-9930	ADAPTER - threaded (1/2 npt)	1
32	10-438	Kit Fuel Pre-Strainer & Filter (optional)	1
33	11-9954	*Filter - fuel, 5 micron	1

NOTE: Fuel Gauge 11-9926 will not work on 30 gal fuel tanks.



FUEL TANK (18 IN DIAMETER, 30 & 50 GALLON ALUMINUM)

Revised
06/23/15

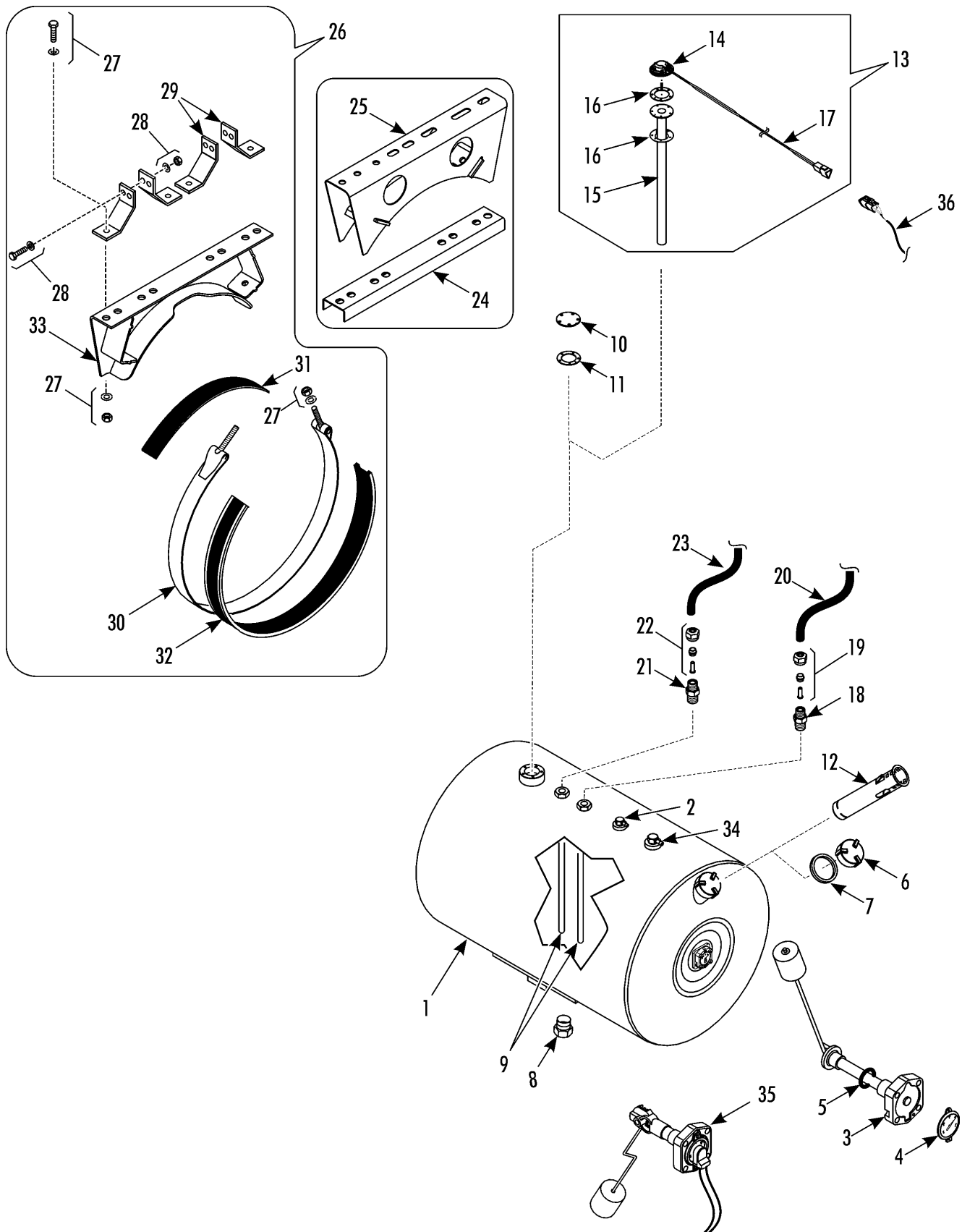


267F8

REF	PART NO.	DESCRIPTION	QTY
1	12-1008	TANK - fuel (30 gal, 18", 3-port, USFLS ready)	1
	12-1019	TANK - fuel (30 gal, 18", 4-port, USFLS ready)	1
	12-1056	TANK - fuel (50 gal. Aluminum, 18", 3-port, USFLS ready)	1
2	55-5617	*VENT	1
3	11-2593	*GAUGE - fuel (mechanical)	1
4	11-5450	**DIAL - fuel gauge	1
5	33-4818	**O-RING - fuel gauge	1
6	11-7984	*CAP - fuel	1
7	33-381	**GASKET - cap	1
8	13-2297	*PLUG - drain	1
9	13-1631	*TUBE - pickup (30 gal)	2
10	11-9741	*COVER - fuel tank	1
11	33-3878	*GASKET - cover	1
	55-736	*SCREW - cover	5
	55-1511	*FLATWASHER	5
	55-431	*LOCKWASHER	5
12	11-9631	ANTI-SIPHON	1
13	40-1127	KIT - ultrasonic fuel level sensor (18 in dia tank)	1
14	41-9709	*SENSOR - fuel level (ultrasonic)	1
15	92-8941	*TUBE - sensor (ultrasonic)	1
16	33-4589	*GASKET - sensor tube	2
17	42-101	*CABLE - fuel level sensor	1
18	13-1231	CONNECTOR - hose fitting	1
19	10-243	KIT - sleeve & eyelet	1
	11-4841	NUT (1/4)	1
20	11-4367	HOSE (1/4 in od x 35 ft lg)	1
21	11-8982	CONNECTOR - fuel line	1
22	10-242	KIT - sleeve & eyelet	1
	11-4941	NUT	1
23	11-4372	HOSE (3/8 in od x 35 ft lg)	1
24	98-2817	CHANNEL (before 1/14)	2
25	98-9143	HANGER - fuel tank (before 1/14)	2
26	90-3164	KIT - hanger, fuel tank (1/14 & after, see note)	1

NOTE: See PB1508 and PRB8015 for fuel tank replacement options.

NOTE: See TK55879 for mounting Instructions.



FUEL TANK (18 IN DIAMETER, 30 & 50 GALLON ALUMINUM)

Revised
06/23/15

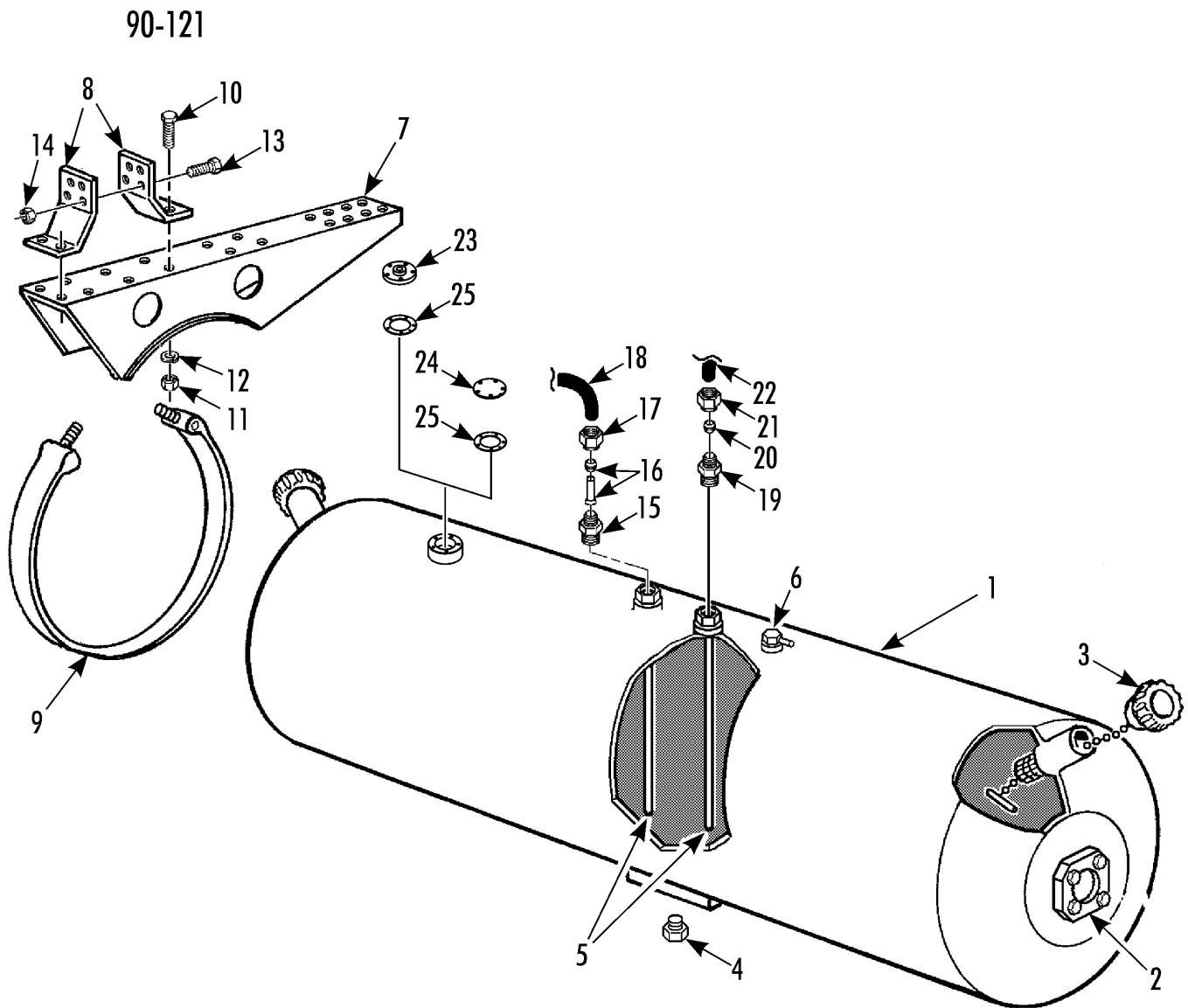


267F8

REF	PART NO.	DESCRIPTION	QTY
27	55-2252	*SCREW	8
	55-5270	*FLATWASHER	20
	55-3686	*NUT	12
28	55-1469	*SCREW	12
	55-402	*FLATWASHER	20
	55-5078	*NUT	12
29	99-7832	*BRACKET - hanger	8
30	98-9144	*STRAP & TEE - assembly	2
31	33-4479	*STRIP - chafing (4 in. lg)	2
32	33-4876	*STRIP - chafing (33 in. lg)	2
33	98-9143	*HANGER (1/14 & after)	1
34	55-4761	PLUG - for port tank (optional)	1
35	13-2423	GAUGE - fuel (optional)	1
	33-4818	*O-RING	1
36	42-1922	HARNESS - fuel level sensor	1

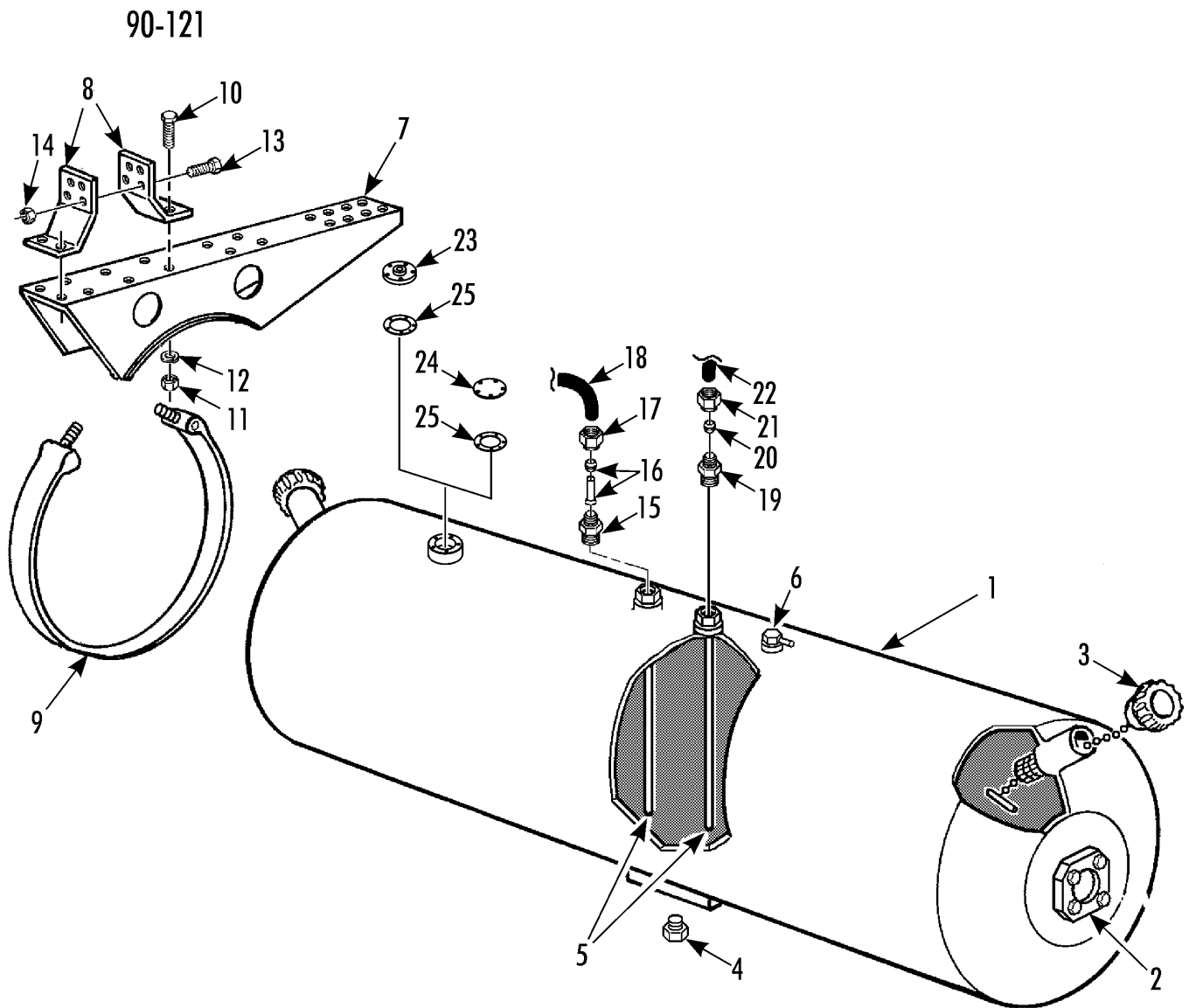
NOTE: See PB1508 and PRB8015 for fuel tank replacement options.

NOTE: See TK55879 for mounting Instructions.



FUEL TANK (22 IN DIAMETER 110/120 GALLON)**106G7**Revised
08/17/15

REF	PART NO.	DESCRIPTION	QTY
1	12-1022	TANK - fuel (110 gallon)	1
	12-932	TANK - fuel (120 gallon)	1
	12-1023	TANK - fuel (120 gallon)	1
	12-1088	TANK - fuel (120 gallon, w/ heat chamber)	1
2	11-2501	*GAUGE - fuel (mechanical)	2
	13-2422	*GAUGE - fuel (fuel watch)	1
	11-5450	**DIAL - fuel gauge	2
	33-4818	**O-RING - gauge to tank	2
	11-5725	*ADAPTER - gauge	2
3	11-5946	*CAP - fuel tank (non-vented)	1
	33-381	**GASKET - cap	1
4	55-2313	*DRAIN	1
5	11-2655	*TUBE - pickup	2
6	55-5617	*VENT	1
	90-121	KIT - fuel tank	1
7	98-2685	*HANGER - fuel tank	2
8	99-7833	*BRACKET - fuel tank	12
9	98-2687	*STRAP & TEE - assembly	4
10	55-1670	*SCREW (1/2-13 x 1-3/4)	24
11	55-3686	*NUT (1/2-13, stop)	32
12	55-5270	*FLATWASHER	32
13	55-197	*SCREW - bracket (3/8-24 x 1-1/4)	24
14	55-3054	*NUT (3/8-24, stop)	24
	99-1596	*NAMEPLATE - Diesel Fuel Only	2
15	11-4370	CONNECTOR - hose fitting (1/4)	1
16	10-243	KIT - sleeve & eyelet (1/4)	1
17	11-4841	NUT (1/4)	1
18	11-4367	HOSE (1/4 od x 35 ft lg)	1
19	11-8982	FITTING (3/8)	1
20	10-242	KIT - sleeve & eyelet (3/8)	1
21	11-4941	NUT (3/8)	1
22	11-4372	HOSE (3/8 od x 35 ft lg)	A/R
23	92-9930	ADAPTER - threaded (1/2 npt)	1

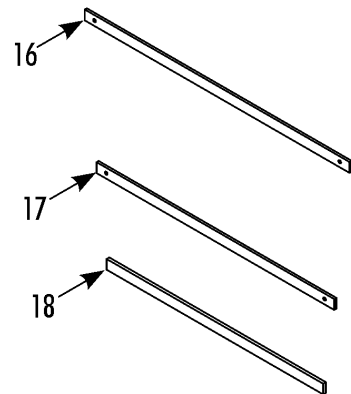
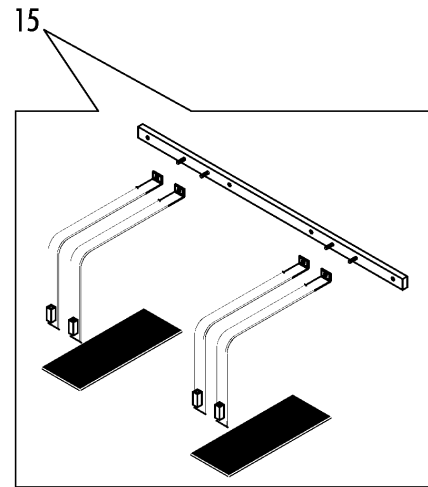
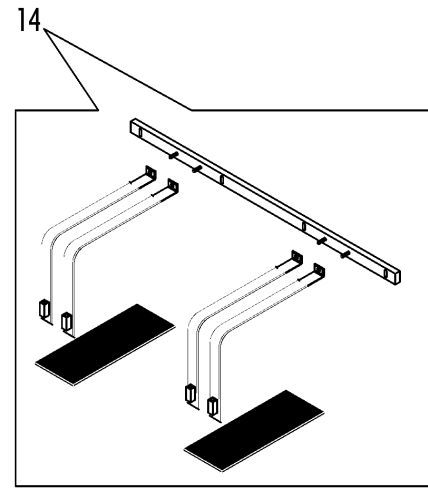
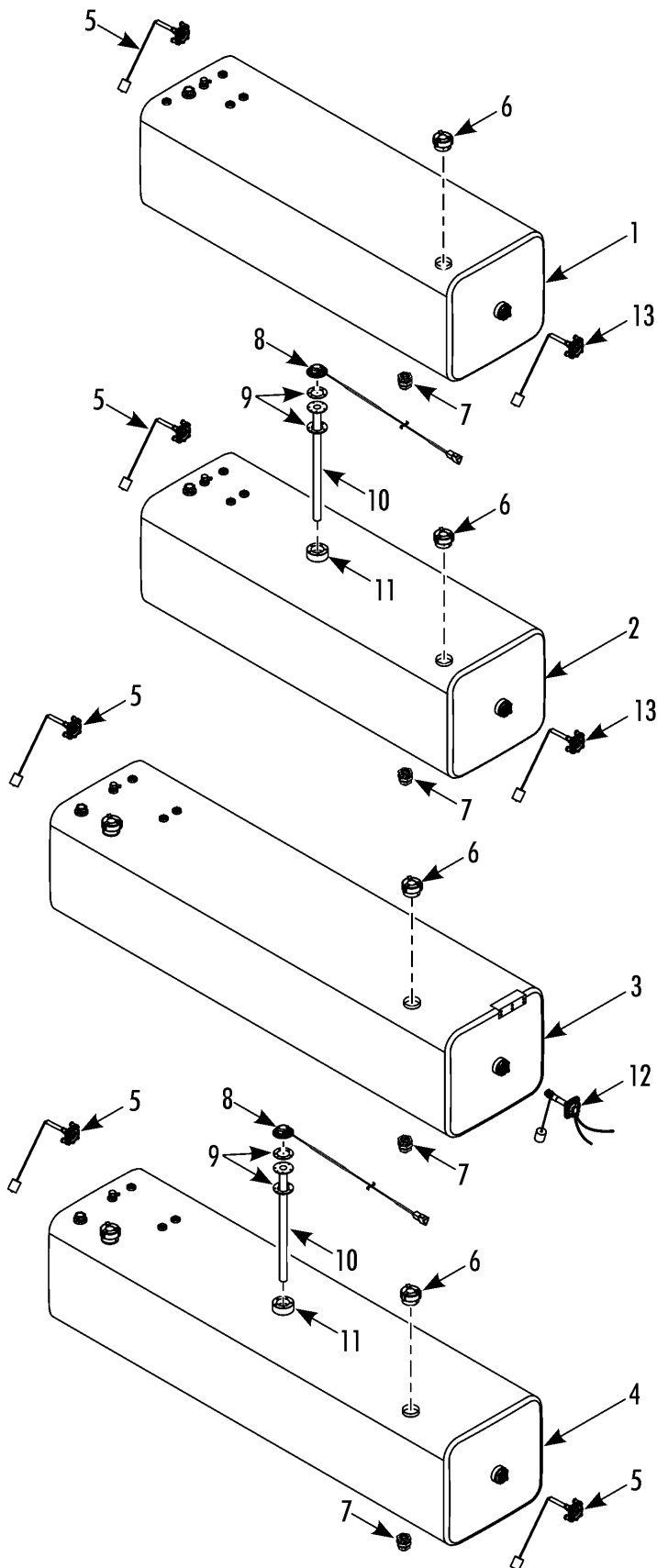


FUEL TANK (22 IN DIAMETER 110/120 GALLON)Revised
08/17/15**106G7**

REF	PART NO.	DESCRIPTION	QTY
24	11-9741	COVER - fuel tank	1
25	33-3878	GASKET - cover	1
	55-1510	SCREW - cover (5/8 lg)	5
	55-1511	FLATWASHER	5
	55-431	LOCKWASHER	5

247C6 FUEL TANK (120/156/161 GALLON)

Revised
08/17/15



FUEL TANK (120/156/161 GALLON)



247C6

Revised
08/17/15

REF	PART NO.	DESCRIPTION	QTY
1	12-971	TANK - fuel stl (120 gal, inc two fuel gauges 11-2501)	1
	12-933	TANK - fuel stl (120 gal, inc gauges 11-2501 & 11-9926)	1
	12-1001	TANK - fuel al (120 gal)	1
2	12-955	TANK - fuel al w/ultrasonic sensor (120 gal, inc items 5-11, 13)	1
	12-1047	TANK - fuel al ultrasonic ready (85 gal, inc items 6 & 13)	1
3	12-944	TANK - fuel al (156 gal, inc items 5-7, 12)	1
	12-930	TANK - fuel stl (161 gal, inc items 5-7, 12)	1
4	12-956	TANK - fuel al w/ultrasonic sensor (156 gal, inc items 5-11)	1
5	11-2501	*GAUGE - fuel (mechanical)	1
	11-5450	**DIAL - fuel gauge	1
	33-4818	**O-RING - gauge	1
6	11-7984	*CAP - fuel tank	1
7	55-2313	*PLUG - drain	1
8	41-9910	SENSOR - fuel level (ultrasonic)	1
9	33-4589	GASKET	1
10	92-9030	TUBE - sensor (ultrasonic)	1
11	13-1136	SPACER	1
12	13-2422	GAUGE - fuel (twin site, electronic)	1
	13-837	*DIAL - fuel gauge (electronic)	1
	33-4818	*O-RING - gauge	1
13	13-1137	GAUGE - fuel	1
	11-5450	*DIAL - fuel gauge	1
	33-4818	*O-RING - gauge	1
14	98-8588	KIT - mounting (120 gal aluminum fuel tank)	1
15	98-8501	KIT - mounting (156 gal aluminum fuel tank)	1
16	98-8107	STRAP - mounting (161 gal stl)	4
17	98-8224	STRAP - mounting (120 gal stl)	4
18	91-3435	RUBBER - mounting (161 gal stl)	4

250A9



NAMEPLATES

Revised
07/12/11

THERMO KING whisper

SB-130

SB-230

SB-330

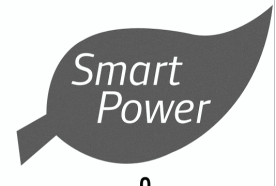


SB-230RR

SB-330RR

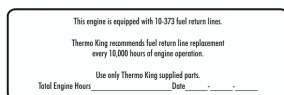
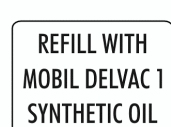
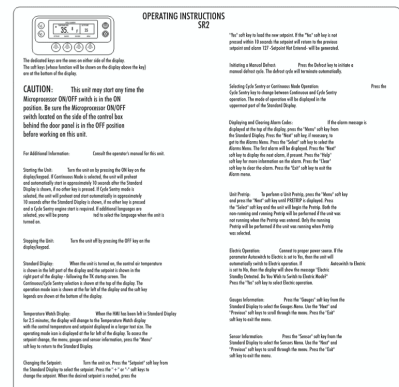
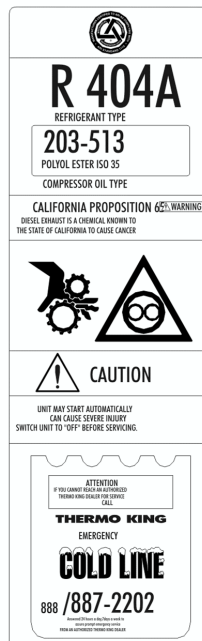
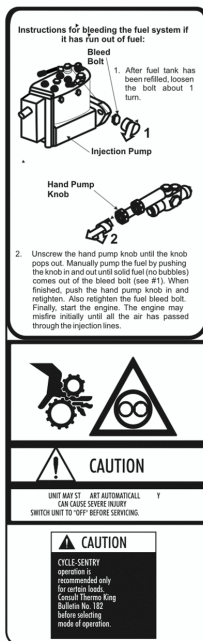
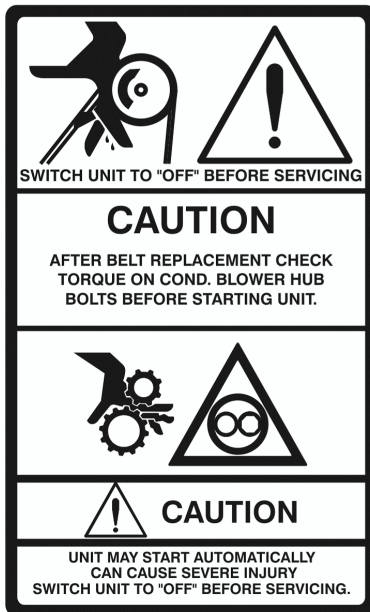


Ingersoll Rand



CAUTION

The unit does not control the temperature to setpoint during Sleep Mode operation. If the load must be temperature controlled, DO NOT USE SLEEP MODE.





REF	PART NO.	DESCRIPTION	QTY
1	92-7054	NAMEPLATE - Thermo King (black letters)	1
	92-7058	NAMEPLATE - Thermo King (chrome letters)	1
2	92-8728	NAMEPLATE - SB-130 (black letters)	1
3	92-8812	NAMEPLATE - SB-230 (black letters)	1
4	92-8813	NAMEPLATE - SB-330 (black letters)	1
5	92-7052	NAMEPLATE - TK logo (w/Thermo King text, 7.2 x 8.2)	1
6	91-5205	NAMEPLATE - TK logo (wo/Thermo King text, 8.4 x 9.4)	1
7	92-7055	NAMEPLATE - IR (red logo & letters)	1
	92-7059	NAMEPLATE - IR logo (chrome logo & letters)	1
8	92-7053	NAMEPLATE - WHISPER (black letters)	1
	92-7062	NAMEPLATE - WHISPER (chrome letters)	1
9	92-7099	NAMEPLATE - Leaf (50 units)	1
10	92-3439	NAMEPLATE - Caution, Belt/Torque/Start	1
11	92-4992	NAMEPLATE - Caution, Fuel Bleed/Start/Cycle Sentry	1
12	92-3441	NAMEPLATE - Refrigeration/Compressor Oil/Start/Cold Line	1
13	92-3264	NAMEPLATE - TK Operating Instructions SR-2	1
14	92-6732	NAMEPLATE - Caution, Fan	1
15	92-2505	NAMEPLATE - Refill Mobil Oil	1
16	91-9581	NAMEPLATE - Caution, Sleep Mode	1
17	91-9598	NAMEPLATE - ETV	1
18	92-4549	NAMEPLATE - Fuel Return	1
19	91-5882	NAMEPLATE - R404A	1
20	92-4977	NAMEPLATE - Starting with Either Warning	1
21	99-6737	NAMEPLATE - Caution	2
22	92-8826	NAMEPLATE - SB-230RR	1
23	92-8825	NAMEPLATE - SB-330RR	1



TEXACO®

- Filled with Texaco Extended Life Coolant Anti-Freeze (ELC)

- Top Off with Texaco ELC or any listed below equivalents in a 50/50 concentration:

Havoline Extended Life Antifreeze (DEX-COOL®)

Shell Dexcool® (94040)

Shell Rotella™ (94041)

General Motors (DEX-COOL®)

Saturn (DEX-COOL®)

Texaco Extended Life Coolant:

7997, 7998, 16445, 16447

Cat Extended Life Coolant

Detroit Diesel POWERCOOL® Plus

- Do Not Mix conventional coolants and/or add SCA's with Texaco (ELC).

1

Factory settings are shown in bold lettering. Mark the air sensor grade codes, and only those set-up codes different than the factory settings.

Unit Set-Up	Setting Choice
Refrigerant Air Sensor Grade	_____
Refrigerant Motor Air Sensor Grade	_____
Discharge Air Sensor Grade	_____
Refrigerant Discharge Air Sensor Grade	_____
Spare Sensor Grade	_____
Temperature Units	°F °C
Pressure Units	PSI BARs kPa
Restart After Shutdown Enabled	YES NO
Setpoint High Limit	35 40 45 50
Setpoint Low Limit	20 25 30 35
Fuel Saver In	Enabled Disabled
High Speed Shutdown	Enabled Disabled
Door Open	Enabled Disabled
Door Open Action	Log Only Off
Door Open Time Out	1 Hour
Door Open Time Off	1 Hour
Deep Mode After Trip	Enabled Disabled
Economy Mode	Enabled Disabled
Add Economy to Main Menu	YES NO
Controller Power Down Timer	OFF
Wired Lock Configuration	Enabled Disabled
Optiset Active	Active Inactive
Low Battery Alarm Limit	5
Low Battery Battery Voltage Start	12.2
Defrost timer in Range Fresh	2 4 8 12 Hours
Defrost timer Not in Range Fresh	2 4 8 12 Hours
Defrost timer in Range Frozen	2 4 8 12 Hours
Defrost timer Not in Range Frozen	2 4 8 12 Hours
Defrost Duration	40 30
Language	English
Engine Type	Yanmar Isuzu 2.2 Isuzu 1.7
Compressor Type	Recip Screw
Number of EVs	0
Electric Clamshell	YES NO
Electric Motor Type	4 Pole 2 Pole
Auto Switch Electric to Electric	Enabled Disabled
Auto Switch Electric to Diesel	Enabled Disabled
Main Option	Enabled Disabled
Non Altimeter Settings	YES NO
Blocked Air Chute Listed	Enabled Disabled
SL Unit	YES NO
High Capacity Unit	YES NO
High Capacity Fresh	YES NO
Defrost Motor	YES NO
Fuel Sensor Select	Disabled Probe SS

2

WARNING

NEW DOOR LATCH DESIGN.
REQUIRES DOOR TO BE SLAMMED
SHUT BEFORE MOVING TRAILER.
FAILURE TO CLOSE DOOR FIRMLY
MAY ALLOW WIND TO TEAR DOOR
FROM REFRIGERATION UNIT AND
CAUSE INJURY TO OTHERS.

ATENCIÓN

NUEVO DISEÑO DE CERRADURA
REQUIERE CERRAR DE GOLPE LA PUERTA
ANTES DE CONducIR EL TRAILER.
AL NO CERRAR LA PUERTA CON
FIRMEZA EL VIENTO PODRÍA
DESPRENDER LA PUERTA DE LA
UNIDAD DE REFRIGERACIÓN Y
CAUSAR DAÑOS A OTROS.

3

CARGO WATCH

5

SERVICE WATCH

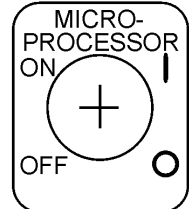
6

**Flash Drive
Only**

7

CAPLUG
**MUST BE
REINSTALLED
AFTER
INSTALLATION
OF UNIT**

4



8

Clean filter
screen at
hand pump
inlet when
servicing
fuel filters.

9

CAUTION

IMPROPER OIL MAY DAMAGE
THE REFRIGERATION SYSTEM
USE OIL TK PART NO. 203-513
TYPE: POYLOL ESTER ISO 35

10

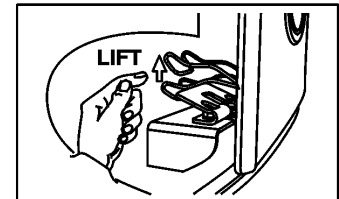
**USE DIESEL FUEL ONLY!**

11

PULL HANDLE, THEN LIFT SECONDARY LATCH TO OPEN

SLAM DOOR TO CLOSE

12



13

Filter Change
Change the filter when the fuel level is at the top of the filter, "see diagram."

1. Remove the vent cap and open the drain valve to drain the fuel below the collar level.
2. Remove the collar (using the collar wrench or a common tool) then remove the clear cover, collar and seals (on the collar and vent cap).
3. Using a clean shop towel clean the cover, collar and threads on the Diesel Pro body.
4. Install a new filter, cover seal and vent cap seal.
5. Reinstall the clear cover and collar.

HAND TIGHTEN ONLY.

Priming Instructions

1. Remove vent cap and fill the clear cover with diesel fuel.
2. Use the hand primer pump until the fuel level drops to the bottom of the clear cover.
3. Fill the clear cover with diesel fuel again and use the hand primer pump until the fuel drops to the bottom of the cover.
4. Tighten the primer pump.
5. Fill the clear cover with fuel and install the vent cap.
6. Start the engine and check for leaks.
7. Loosen the vent cap until the fuel level drops to the collar. **HAND TIGHTEN ONLY.**

Before releasing unit back into service operation, ensure the fuel level is lowered to the collar level.

14



REF	PART NO.	DESCRIPTION	QTY
1	91-9269	NAMEPLATE - Coolant, Extended Life	1
2	92-8603	NAMEPLATE - factory setting	1
3	92-724	NAMEPLATE - Door Latch Warning	1
4	92-155	NAMEPLATE - Caplug Installation	1
5	93-616	NAMEPLATE - consolidated (incl Cargo Watch)	1
6	92-3328	NAMEPLATE - Service Watch	1
7	92-8803	NAMEPLATE - USB	1
8	93-554	NAMEPLATE - MP VI Switch	1
9	92-2504	NAMEPLATE - Clean Filter	1
10	91-7938	NAMEPLATE - Caution, Improper Oil	1
11	99-1596	NAMEPLATE - Diesel Fuel	1
12	92-3577	NAMEPLATE - Slam Door	1
13	92-3578	NAMEPLATE - Secondary Latch	1
14	92-8727	NAMEPLATE - Filter Change	1



Ingersoll Rand's Climate Solutions sector delivers energy-efficient HVACR solutions for customers globally. Its world class brands include Thermo King, the leader in transport temperature control and Trane, a provider of energy efficient heating, ventilating and air conditioning systems, building and contracting services, parts support and advanced controls for commercial buildings and homes.

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