



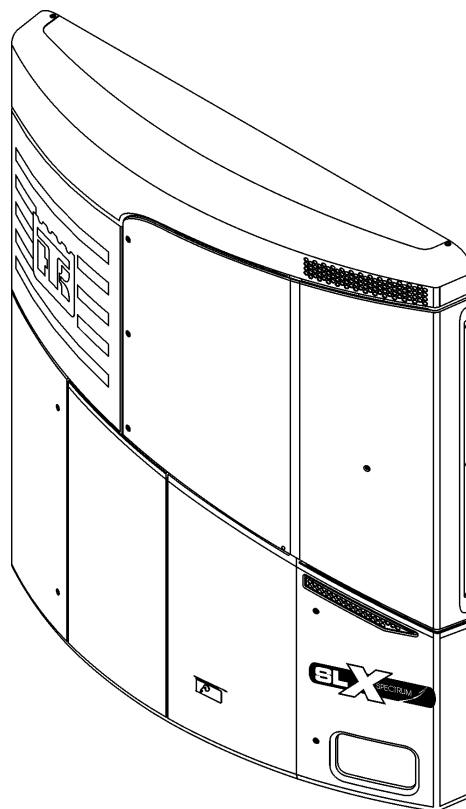
Parts Manual

SLX SPECTRUM

TK 54319-2-PM (Rev. 4.0)

SLX SPECTRUM

TK 54319-4.0



Printed: January 30, 2013

Copyright © 2009 - Thermo King Corp. - Minneapolis, MN U.S.A.

Printed in U.S.A.

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	E expexpansion	P pcbprinted circuit board
A/Ras required	extexternal	pkgpackage
accum.....accumulator	F F.....Fahrenheit	phphase
adjadjusting	fill.....fillister	pospositive
alaluminum	fifuel injection	psipounds per square inch
altalternator	flflare	R radradiator
A or amp.....ampere	fpt.....female pipe thread	rcvrreceiver
assy.....assembly	ftfeet	refreference
B bdboard	ftgfitting	regregulator
brgbearing	G galgallon	reqrequired
brkrbreaker	H hexhexagon	rpm.....revolutions per minute
brktbracket	hhhexagon head	S sec.....second
C CCelsius	hdhead	sldsolder
cw.....clockwise	hphorsepower	soc hd.....socket head
ccw.....counter-clockwise	hsghousing	solsolenoid
camcamshaft	I idinside diameter	splspecial
cmcentimeters	ininch (2.54 cm)	sqsquare
comprcompressor	incl.....includes	ssstainless steel
condcondenser	injinjection	stdstandard
connconnecting, connector	intinternal	stlsteel
cyl.....cylinder	int thinternal tooth	suct.....suction
D defdefrost	K kWkiloWatt	sw.....switch
degdegree	L LLiter (Litre)	T term.....terminal
dehyddehydrator	liqliquid	temptemperature
diadiameter	lglong	thkthick
DC.....direct current	M MMeter	TSATransport Solutions Americas
disch.....discharge	mmmillimeter	U usundersize
diffdifferential	mpt.....male pipe thread	V vibvibrasorber
E EMI.....Extended Maintenance Interval	modmodulating	V.....Volt
EMEIA.....Europe, Middle East, India and Africa	N negnegative	W W.....watt
engengine	Nonumber	w/with
exch.....exchanger	NSnot supplied	w/o.....without
	NSS.....not sold separately	
	osoversized	
	odoutside diameter	

Contents

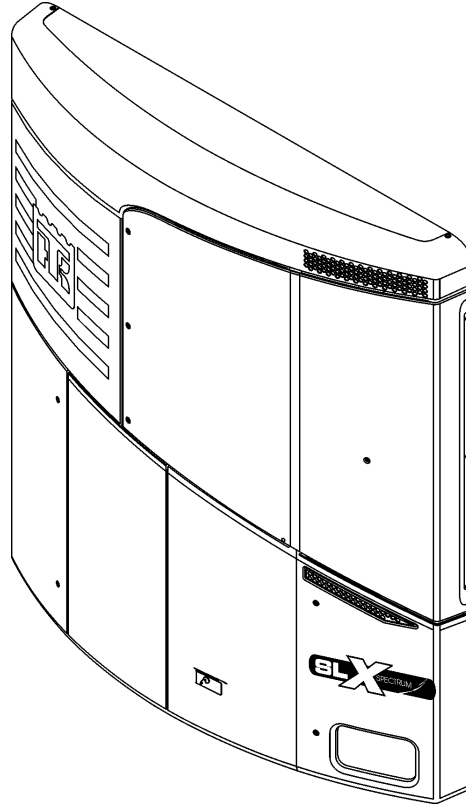
Title	Grid	Page
SLX SPECTRUM REFERENCE SHEET.....	13U90	6
FUEL TANK (EMEIA, 18 IN DIAMETER).....	67C1	56
THROTTLING VALVE ASSEMBLY.....	100C13	126
CHECK VALVE ASSEMBLY.....	106C14	132
SOLENOID VALVE - NORMALLY CLOSED.....	116G14	128
COMPRESSOR GASKET SET (30-243).....	131F1	124
SOLENOID VALVE ASSEMBLY.....	138B13	130
FUEL PUMP ASSEMBLY (TK486 series).....	142F8	32
DOWNLOAD CABLES (UNITS w/TG VI & SR-2/SR-3 MICROPROCESSOR).....	156B2	198
ELECTRICAL COMPONENTS (S-2).....	167G8	142
INSTALLATION COMPONENTS (S-2, with o-rings).....	168A1	152
INSTALLATION COMPONENTS (S-3, with o-rings).....	168A6	156
ELECTRICAL COMPONENTS (S-3).....	177E1	144
PLASTIC FUEL TANK.....	187B0	52
HIGH VOLTAGE TRAY ASSEMBLY.....	189B7	184
Cargo Watch HARNESSSES AND SENSORS.....	189C0	204
REFRIGERATION COMPONENTS (S-2).....	192E1	134
REAR VIEW THERMOMETER, TEMP WATCH.....	192E5	218
REFRIGERATION COMPONENTS (S-3).....	193F2	138
EVAPORATOR GUARDS (S-2/3/4/6).....	197C4	150
FRAME & PANELS (S-2).....	204D3	146
FRAME AND PANELS (S-3).....	204D4	148
WATER PUMP ASSEMBLY (TK486 series).....	204F0	30
CYLINDER BLOCK GROUP (TK486V).....	204F1	8
GEAR CASE GROUP (TK486 series).....	204F2	10
FLYWHEEL HOUSING GROUP (TK486 series).....	204F3	12
OIL SUMP GROUP (TK486 series).....	204F4	14
CYLINDER HEAD & VALVE COVER (TK486 series).....	204F5	16
CRANKSHAFT & PISTON GROUP (TK486 series).....	204F6	20
INTAKE & EXHAUST MANIFOLD (TK486 series).....	204F7	22
CAMSHAFT & DRIVE GEAR GROUP (TK486 series).....	204F8	24
OIL FILTER & PUMP GROUP (TK486 series).....	204F9	26
FUEL INJECTION GROUP (TK486 series).....	204G1	34
FUEL INJECTION PUMP GROUP (TK486 series, 2200 RPM).....	204G2	36
STARTER ASSEMBLY 12 VOLT (TK486 series).....	204G3	42
GASKET SET (TK486 series).....	204G4	44
FUEL INJECTION NOZZLE (TK486 series).....	204G5	40
ALTERNATOR ASSEMBLY (120 AMP).....	208F6	190
DOOR SWITCH - LOW PROFILE.....	212G7	206
NAMEPLATES.....	225C7	236
DOORS AND PANELS, UPPER SECTION (before 5/10).....	225C8	224
DOORS, BOTTOM SECTION (before 5/10).....	225C9	228
COVER - CONTROL BOX (metal control box).....	225D9	188
EVAPORATOR BLOWER.....	225D11	82
TENSIONER BLOWER DRIVE.....	225D12	88
FANSHAFT.....	225D13	86
ENGINE COUPLING.....	225E0	74

Contents

Title	Grid	Page
CONDENSER BLOWERS.....	225E1	80
TENSIONER CLUTCH.....	225E2	94
IDLER.....	225E3	90
IDLER CLUTCH.....	225E4	92
INTAKE & EXHAUST GROUP.....	225E5	64
COOLANT GROUP (before 5/10).....	225E6	66
THROTTLE SOLENOID GROUP.....	225E7	62
ENGINE MOUNT.....	225E8	76
COMPONENT MOUNTING.....	225E9	172
BELTS & BLOWERS (SLX-100/400/Spectrum).....	226A2	70
FUEL FILTER & HOSES.....	226C1	46
CROSS SHAFT (30 units).....	226C2	96
DROP-DOWN HMI BOX (metal control box).....	226C4	208
DUAL PLASTIC FUEL TANKS.....	226D7	54
STATUS/TEMPERATURE/FUEL LEVEL DISPLAYS.....	226E6	216
COMPRESSOR - X430 (7 QT OIL SUMP).....	230C8	118
ELECTRIC COMPONENTS (50 units).....	235A0	164
COMPRESSOR GROUP SPECTRUM - X430.....	235C1	114
REFRIGERATION COMPONENT MOUNTING.....	235C2	112
REFRIGERATION COMPONENTS SPECTRUM SLX.....	235C3	98
ELECTRIC COMPONENTS (30 units).....	235C4	168
CONDENSER FRAME, EVAPORATOR PANELS & GRILLES SPECTRUM SLX.....	235C5	222
CONTROL BOX - SLX SPECTRUM (metal box).....	235C6	176
CONTROLLER INTERFACE ASSEMBLY.....	235C7	186
FLUSH MOUNT CONTROLLER.....	235C8	212
FUEL FILTER (Optional).....	235F9	48
S-2 HARNESS INSTALLATION (KIT 800365, 800366, 800367, 800118).....	236D7	194
S-3 HARNESS INSTALLATION (KIT 800365, 800366, 800367, 800368, 800116, 800117 & 8.....	236D8	196
ALTERNATOR ASSEMBLY (120 AMP).....	241C1	192
COOLANT GROUP (5/10 & after, micro channel cond coil).....	242C0	68
DOORS AND PANELS, UPPER SECTION (5/10 & after micro channel cond coil).....	242C7	226
DOORS, BOTTOM SECTION (5/10 & after micro channel cond coil).....	242C8	232
CargoPrinter.....	247C2	214
TracKing GPRS (w/ micro channel coil).....	250D6	202
TracKing GPRS SPECTRUM (before micro channel coil).....	250D9	200
FUEL FILTER (Optional w/ electric heater).....	250F3	50
ANTIFROST KIT.....	251G1	220
CONTROL BOX - SLX SPECTRUM (plastic box).....	256F3	180
REFRIGERATION COMPONENTS SPECTRUM SLX (Micro Channel Coil).....	256F4	102
TAIL LIFT CHARGER.....	258F1	240
DROP-DOWN HMI BOX (plastic control box).....	259A1	210
INSTALLATION COMPONENTS (3/11 after, Solder Connections).....	259D1	160
REFRIGERATION COMPONENTS SPECTRUM SLX (ETV).....	259F6	106
FUEL TANK (18 IN DIAMETER, ALUMINUM).....	264C6	60

Contents

Title	Grid	Page
-------	------	------



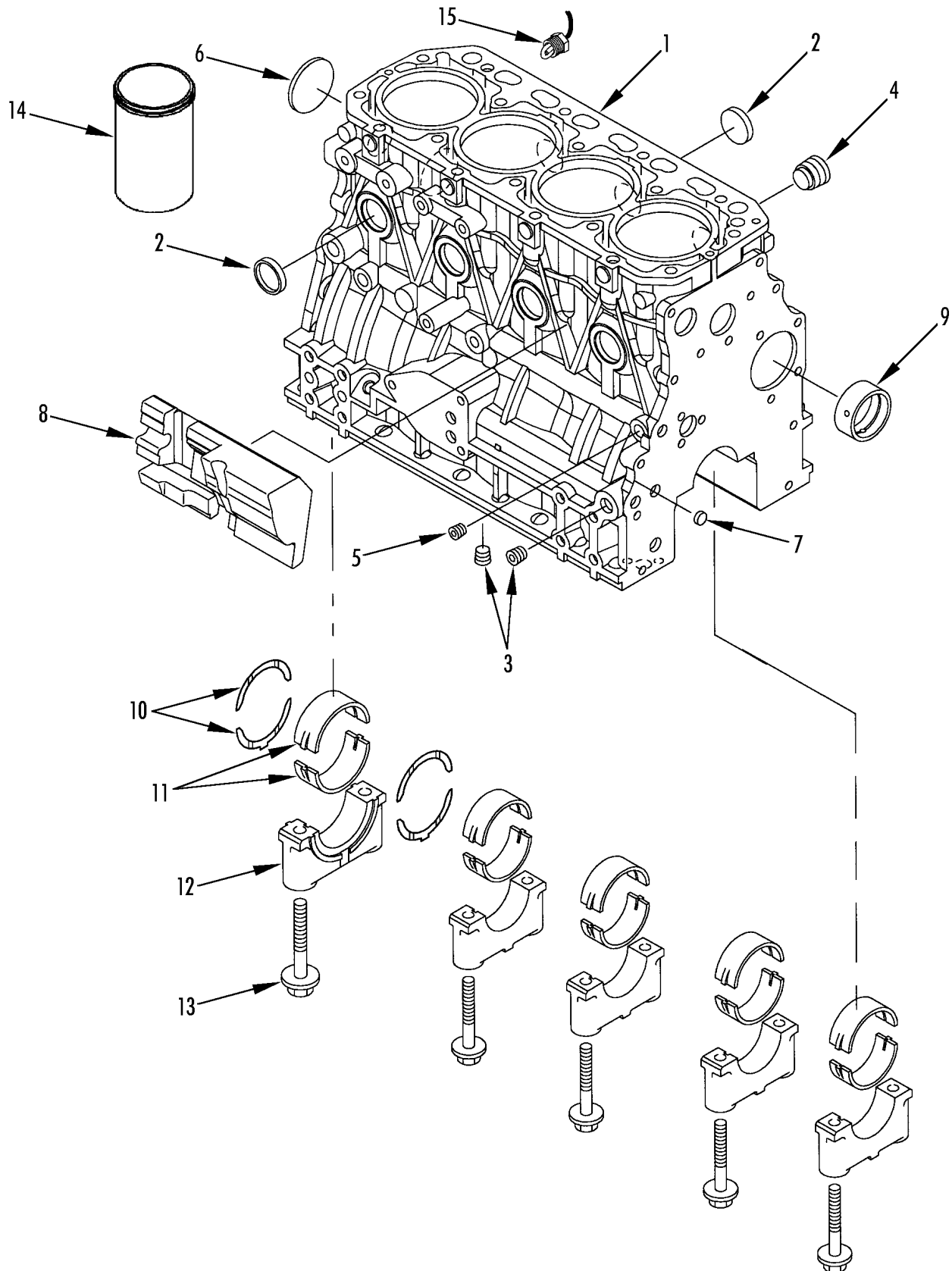
SLX SPECTRUM REFERENCE SHEET



13U90

Revised
04/13/12

B/M	DESCRIPTION	DATE
901033	SLX SPECTRUM 2 Zone 30 SYSTEM	11/11
901034	SLX SPECTRUM 2 Zone 50 SYSTEM	3/09
901035	SLX SPECTRUM 3 Zone 30 SYSTEM	3/09
901036	SLX SPECTRUM 3 Zone 50 SYSTEM	1/12
902042	SLX SPECTRUM 2 Zone 50 ETV SYSTEM	4/12
902043	SLX SPECTRUM 2 Zone 30 ETV SYSTEM	4/12
902044	SLX SPECTRUM 3 Zone 50 ETV SYSTEM	4/12
902045	SLX SPECTRUM 3 Zone 30 ETV SYSTEM	4/12
902047	SLX SPECTRUM 3 Zone 50 ETV SYSTEM	4/12
902207	SLX SPECTRUM 3 Zone 30 ETV SYSTEM	4/12
049043	Fuel Tank (steel, 190L 18 inch)	3/09
049188	Fuel Tank (steel, 190L 18 inch)	3/09
049202	Plastic Fuel Tank	3/09
049311	120 amp Alternator	4/12
720093	Installation Kit Steel Fuel Tank	3/09
700318	TempWatch, Forward View	3/09
700319	TempWatch, Reverse View (15 ft sensor lead)	3/09
700320	TempWatch, Reverse View (60 ft sensor lead)	3/09
700434	Remote Evaporator S-2	2/11
700435	Remote Evaporator S-3	2/11
720503	Plastic Fuel Tank (2 Fill)	3/09
720504	Dual Fuel Tanks	3/09
700674	Twin Fuel Gauge	3/09
700897	Status Light	3/09
700918	Fuel Watch Corner Mount	3/09
701628	Guard Remote Evaporator (S-2 SS)	3/09
701629	Guard Remote Evaporator (S-2 ALU)	3/09
701630	Guard Remote Evaporator (S-3 SS)	3/09
701631	Guard Remote Evaporator (S-3 ALU)	3/09
702496	TrackKing EU SIM	4/12
702497	TrackKing UK SIM	4/12
702597	TrackKing EU SIM	4/12
702598	TrackKing UK SIM	4/12



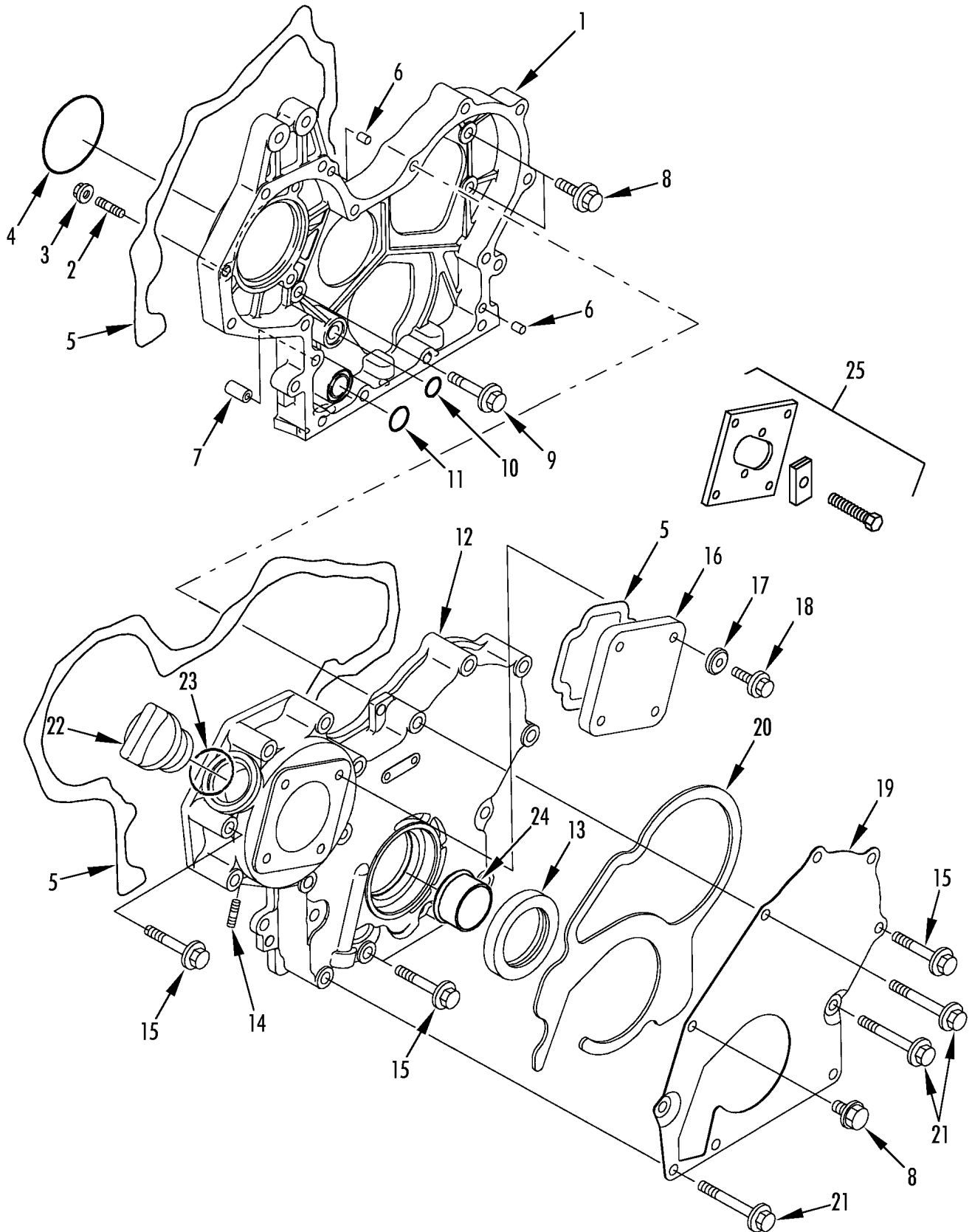
CYLINDER BLOCK GROUP (TK486V)



204F1

Revised
09/27/12

REF	PART NO.	DESCRIPTION	QTY
	101-380	ENGINE (TK486V, interim TIER 4 compliant, 12V, 2200 rpm)	1
	101-365	ENGINE (TK486V, interim TIER 4 compliant, 12V, 2600 rpm)	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 us)	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



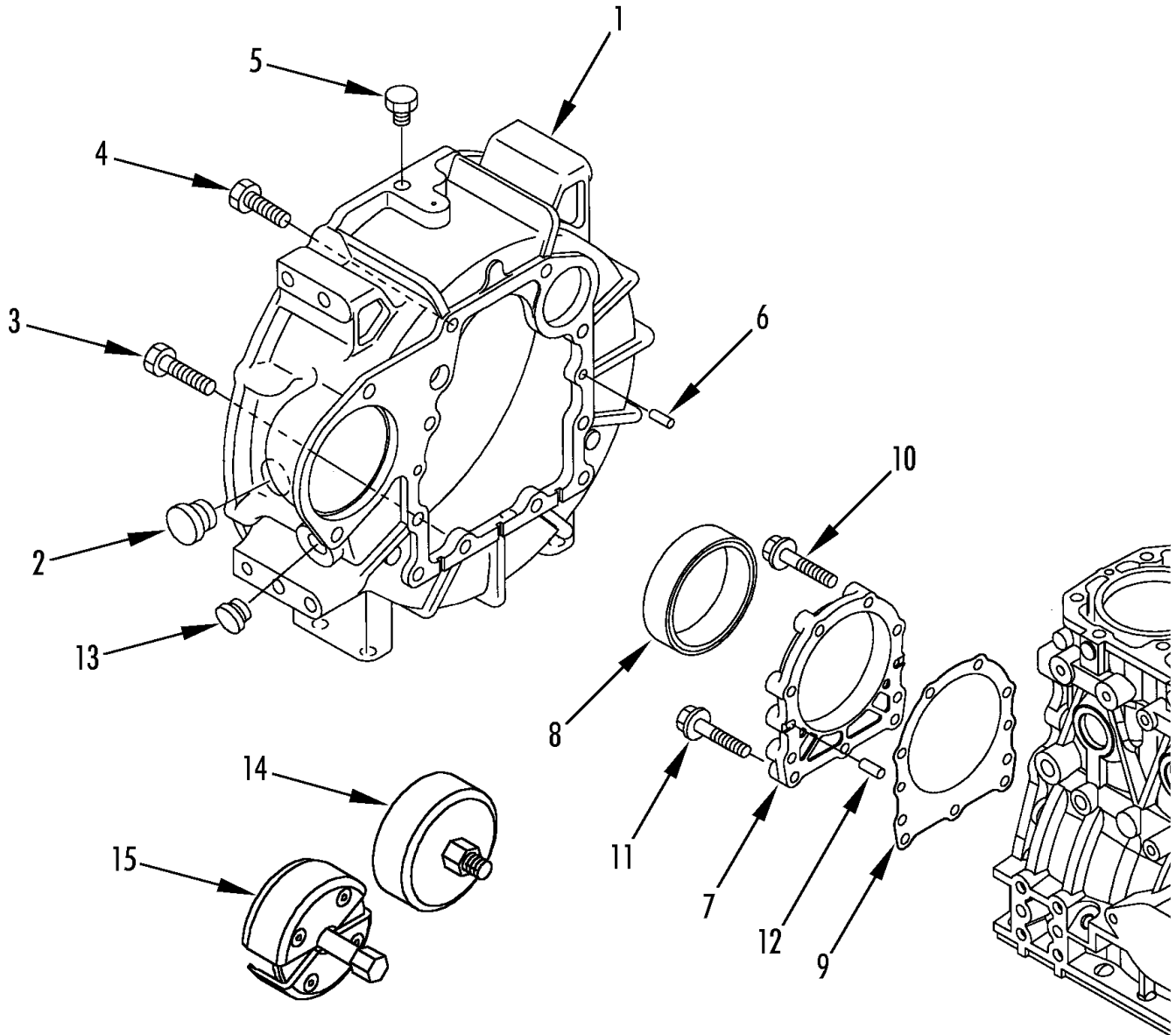
GEAR CASE GROUP (TK486 series)



204F2

Revised
05/02/09

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	1
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



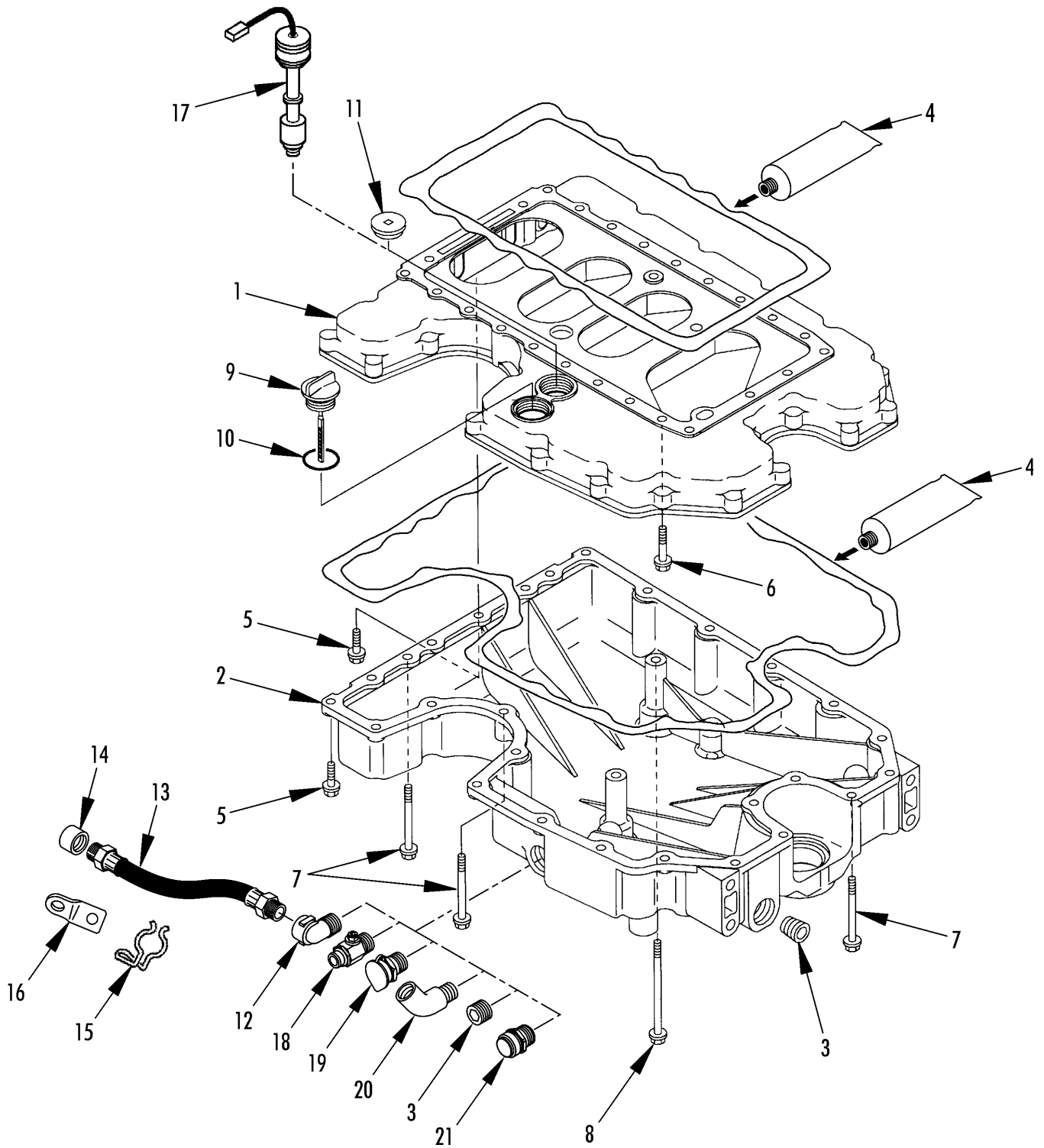
FLYWHEEL HOUSING GROUP (TK486 series)



204F3

Revised
03/11/05

REF	PART NO.	DESCRIPTION	QTY
1	12-867	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



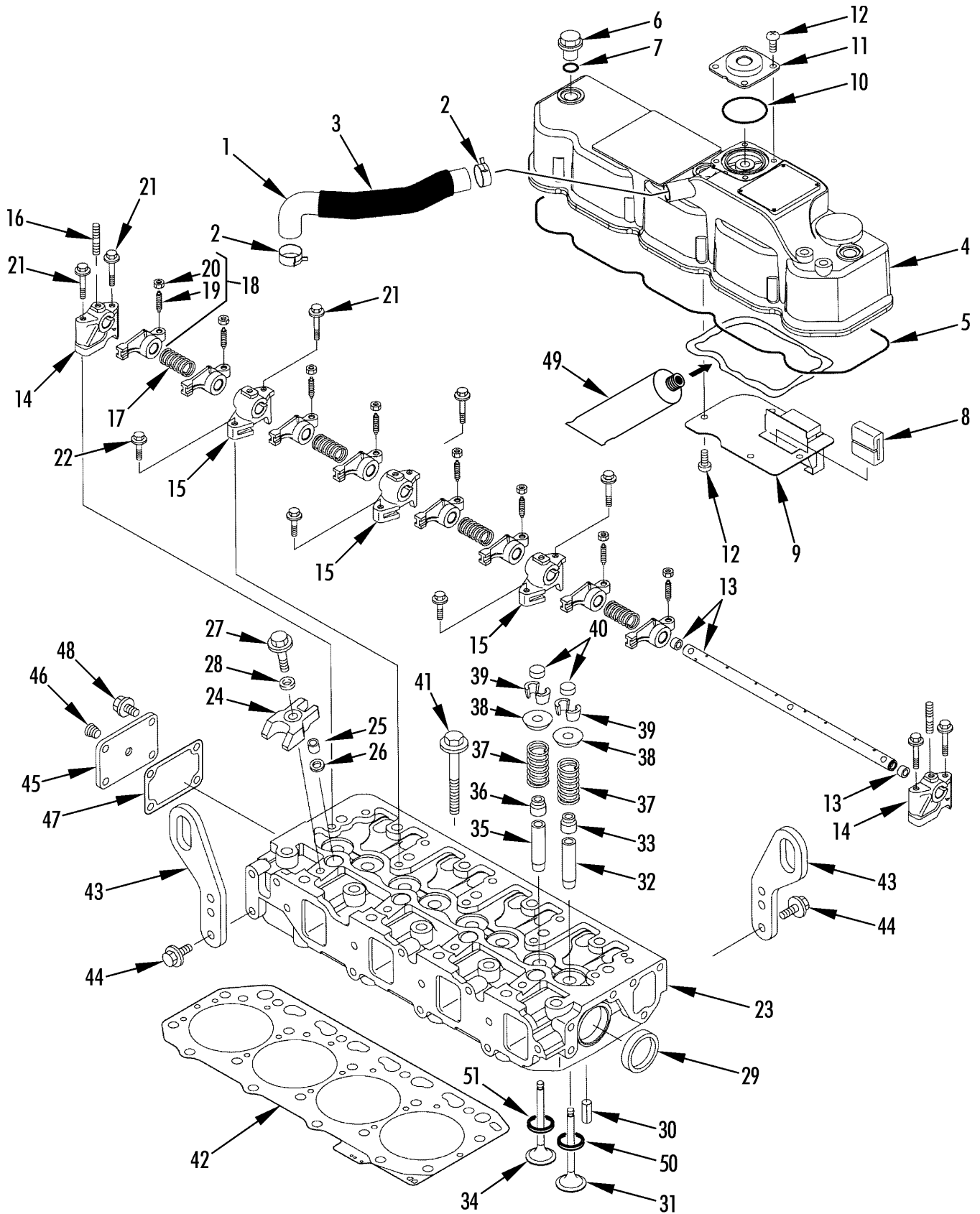
OIL SUMP GROUP (TK486 series)



204F4

Revised
07/26/12

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



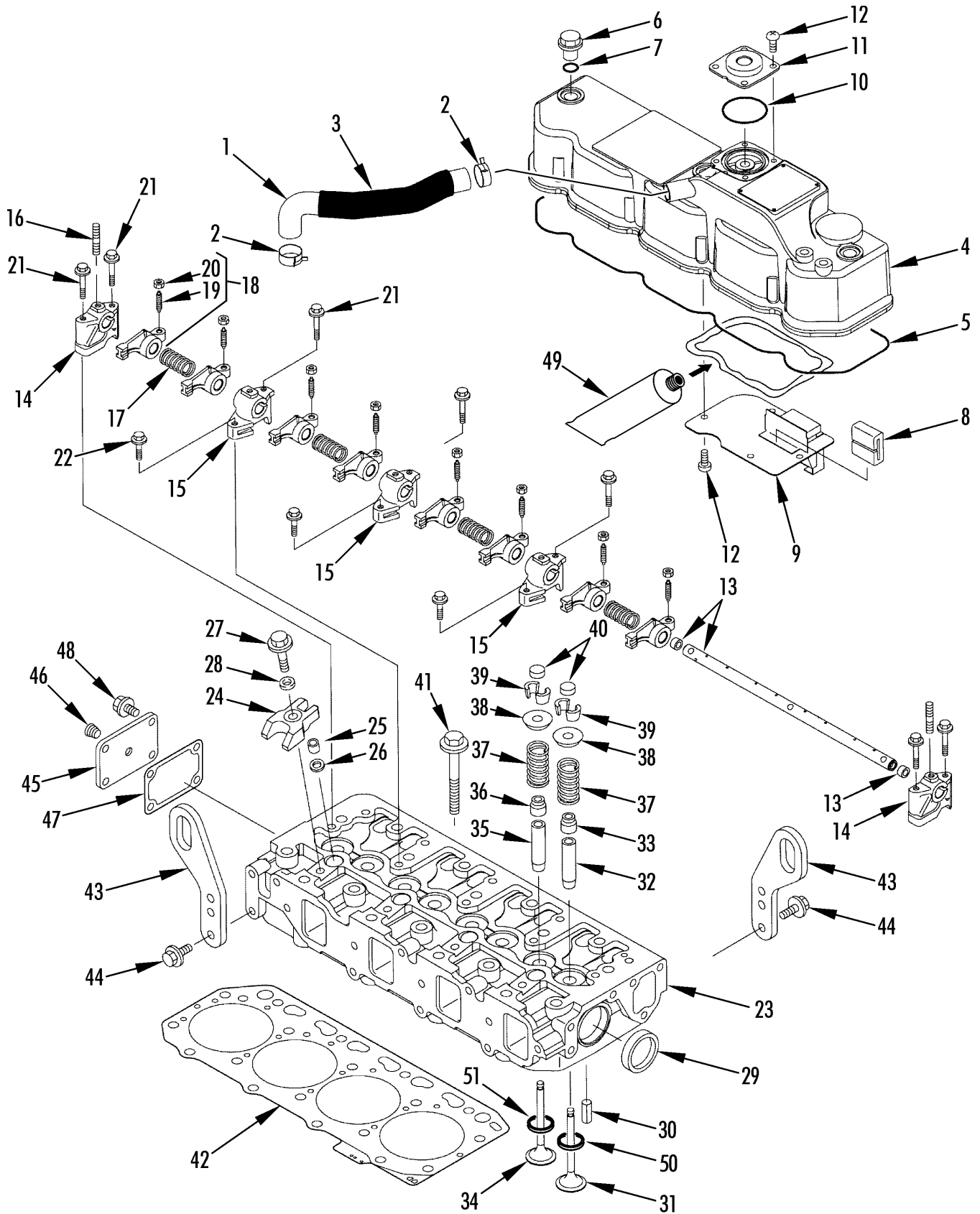
CYLINDER HEAD & VALVE COVER (TK486 series)



204F5

Revised
07/26/12

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



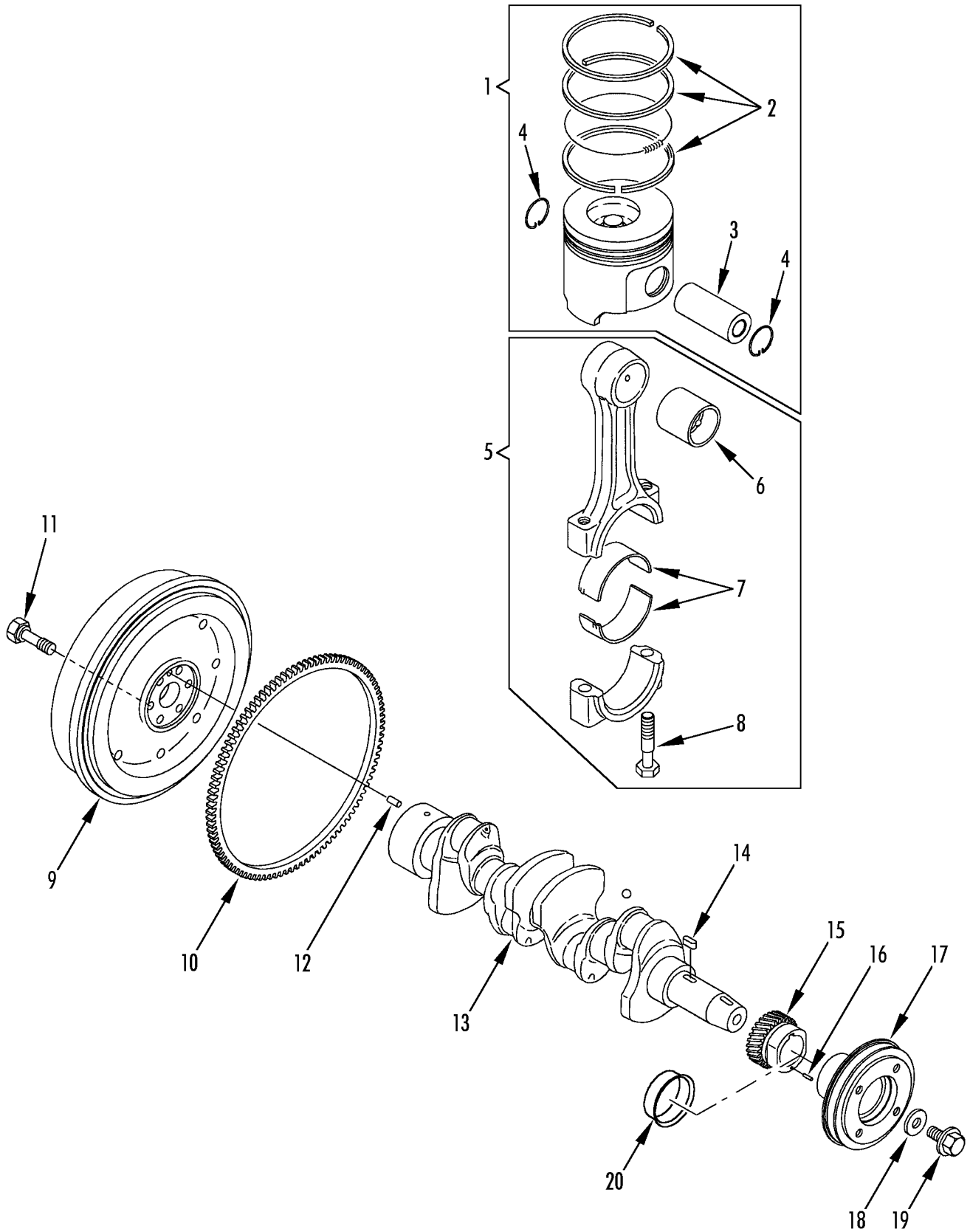
CYLINDER HEAD & VALVE COVER (TK486 series)



204F5

Revised
07/26/12

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 (SB-210/130/230)	1
	33-4515	GASKET - cylinder head (SB-310/330)	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)

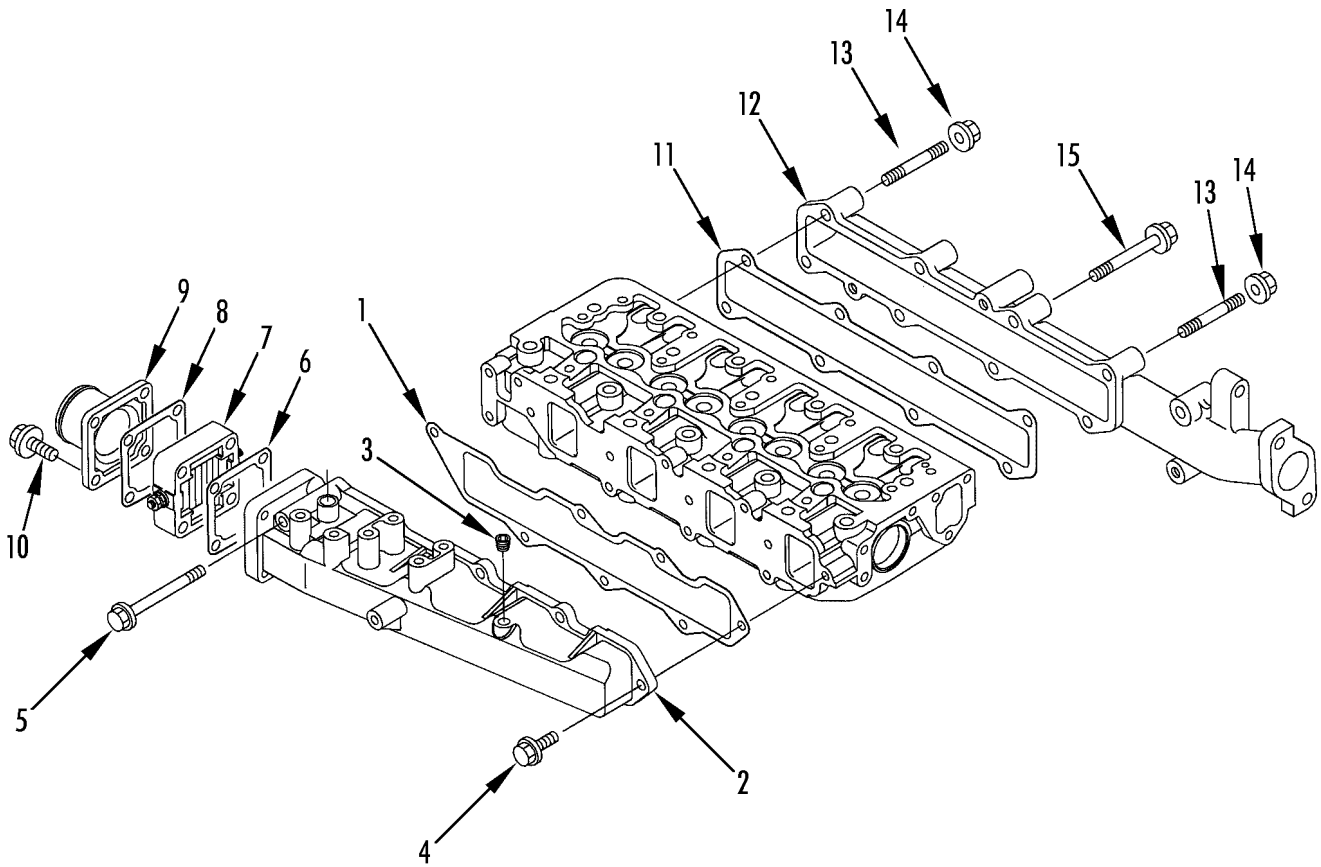


204F6

Revised
09/14/11

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 us)	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.



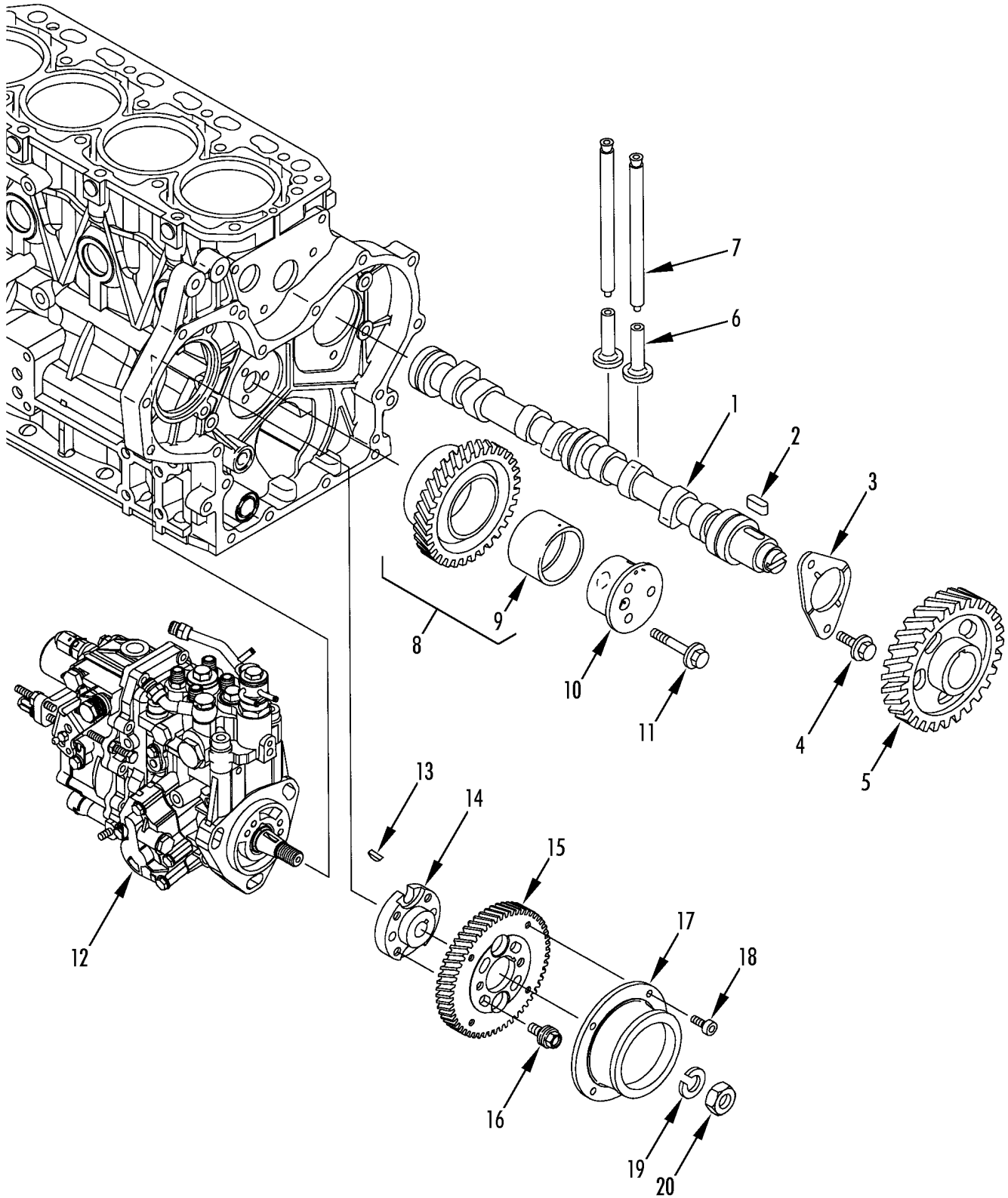
INTAKE & EXHAUST MANIFOLD (TK486 series)



204F7

Revised
03/15/05

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



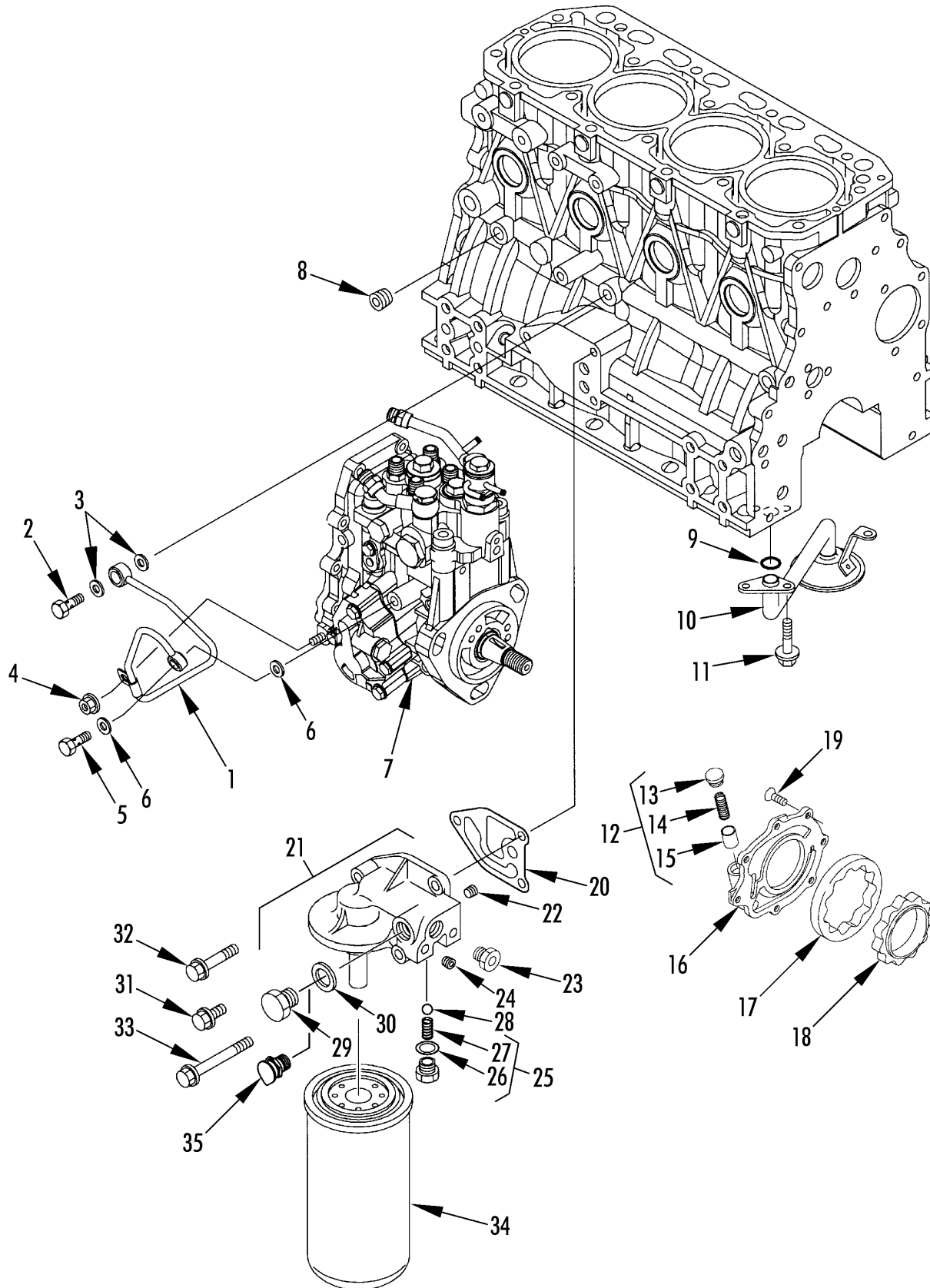
CAMSHAFT & DRIVE GEAR GROUP (TK486 series)



204F8

Revised
05/03/07

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	NSS	*GEAR - camshaft	1
6	11-6717	TAPPET	8
7	11-8945	ROD - push	8
8	13-930	GEAR (w/ bushing)	1
9	13-348	*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



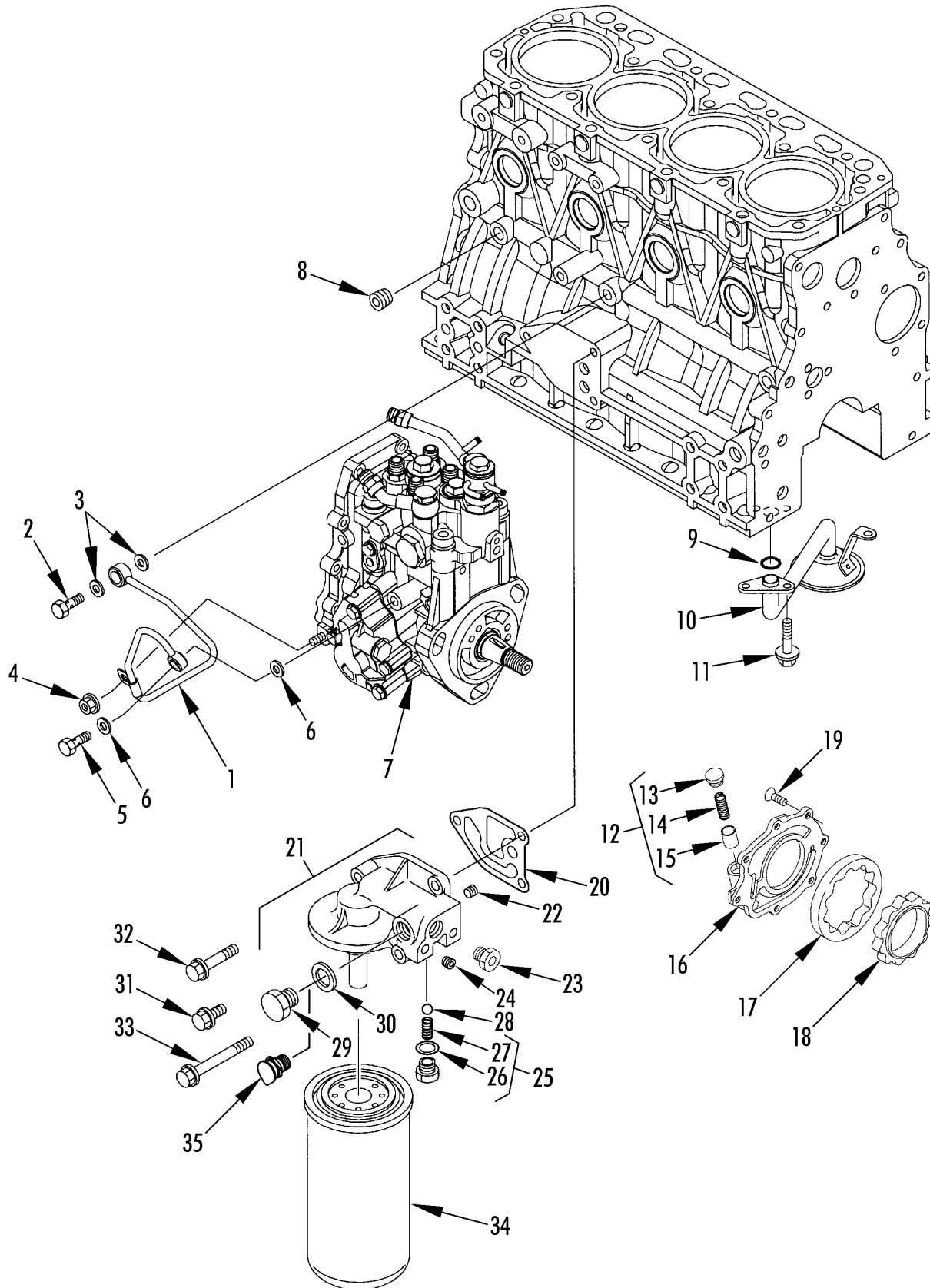
OIL FILTER & PUMP GROUP (TK486 series)



204F9

Revised
06/23/09

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
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	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
33	55-8869	SCREW - bracket (75 mm)	1



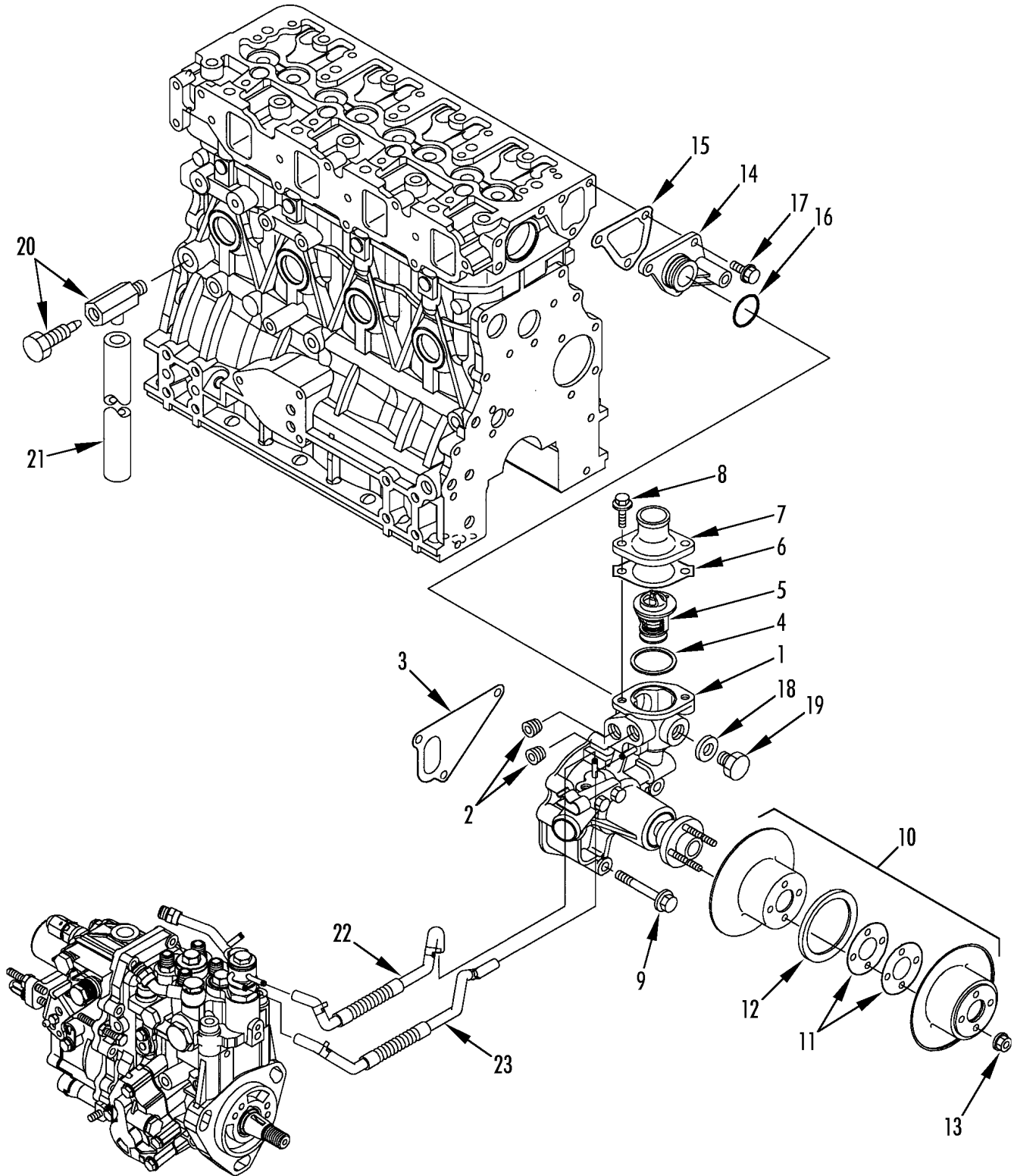
OIL FILTER & PUMP GROUP (TK486 series)



204F9

Revised
06/23/09

REF	PART NO.	DESCRIPTION	QTY
34	11-9182	FILTER - oil (EMI 3000)	1
35	11-9447	FITTING - oil inlet (ESOC)	1



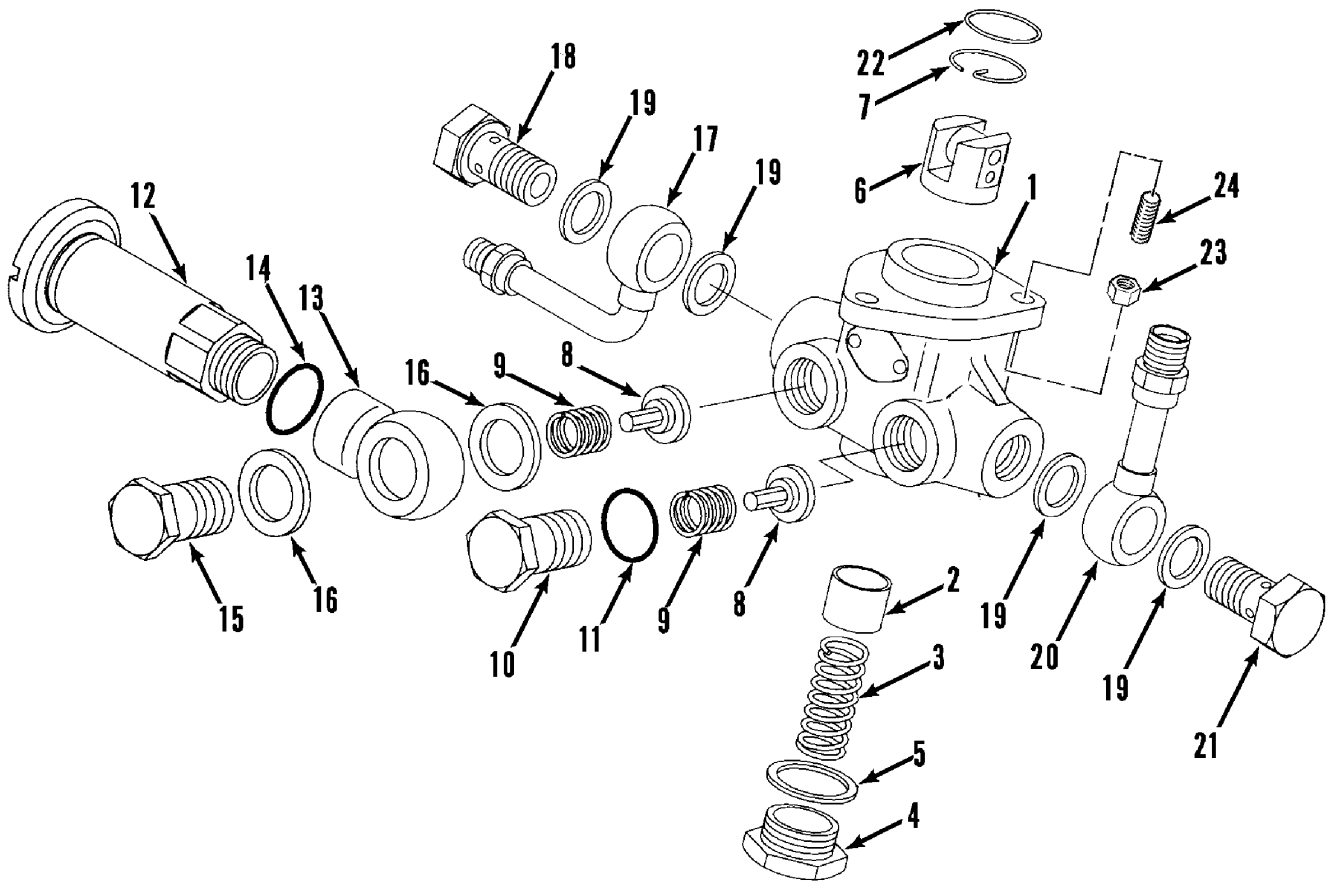
WATER PUMP ASSEMBLY (TK486 series)



204F0

Revised
11/16/11

REF	PART NO.	DESCRIPTION	QTY
1	13-509	PUMP - water (ELC compatible)	1
	813-509	PUMP - water (ELC compatible, remanufactured)	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	33-3097	GASKET - joint	1
16	33-3098	O-RING - 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



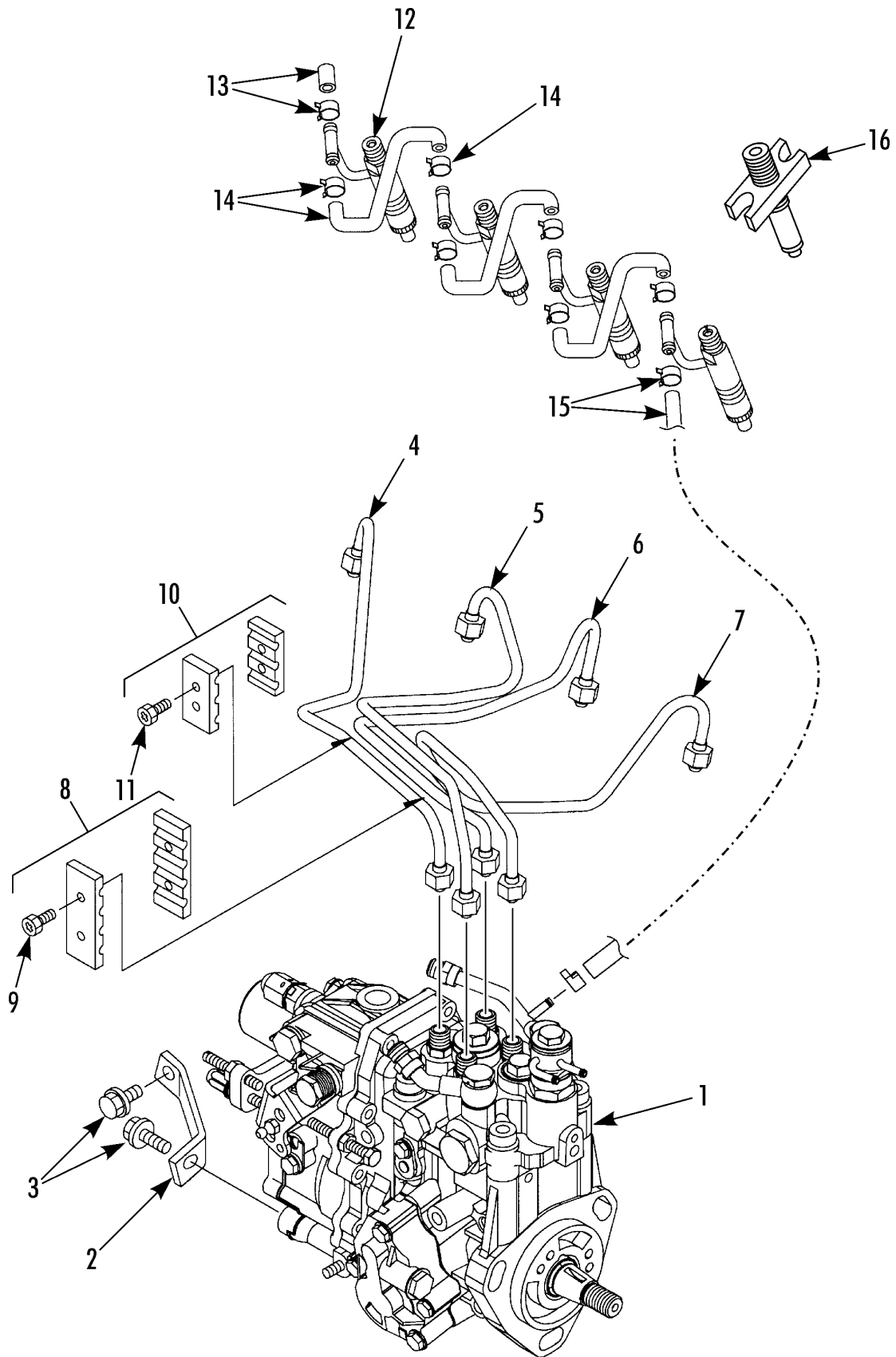
FUEL PUMP ASSEMBLY (TK486 series)



142F8

Revised
06/29/10

REF	PART NO.	DESCRIPTION	QTY
1	11-7433	PUMP - fuel	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	55-8872	*PIN - snap	1
8	11-8972	*VALVE	2
9	11-8973	*SPRING	2
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 filter)	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	33-2942	O-RING	1
23	55-4750	NUT	3
24	55-6367	STUD - fuel pump	3



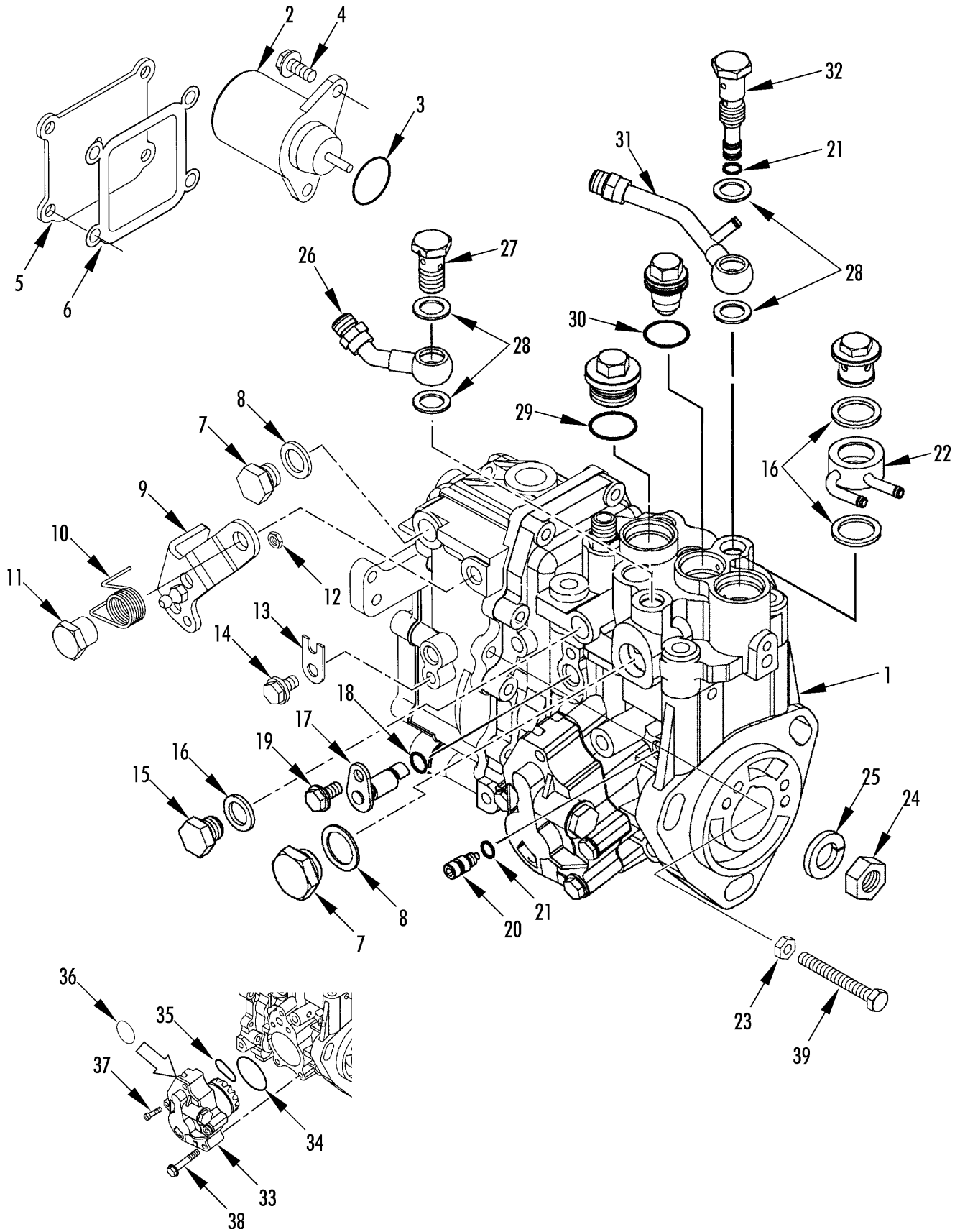
FUEL INJECTION GROUP (TK486 series)



204G1

Revised
11/21/12

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	13-356	SUPPORT - 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, see 204G5)	4
	13-389	NOZZLE - injection (2600 rpm engine, see 205C10)	4
13	10-373	KIT - fuel return	1
14	13-310	*HOSE & CLAMPS (nozzle to nozzle)	3
15	13-451	*HOSE & CLAMPS (nozzle to pump)	1
16	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



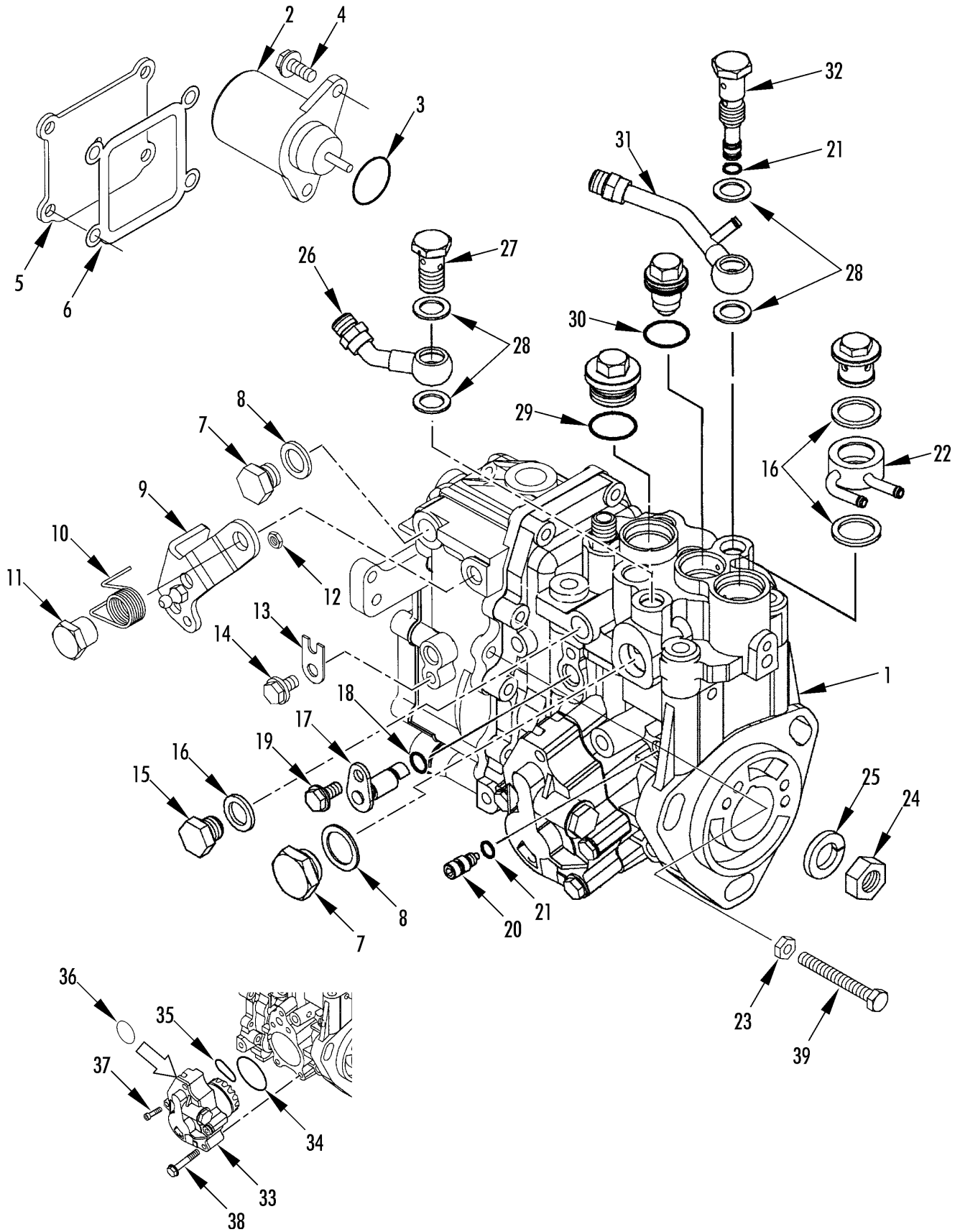
**FUEL INJECTION PUMP GROUP (TK486 series,
2200 RPM)**



204G2

Revised
01/04/13

REF	PART NO.	DESCRIPTION	QTY
1	101-362	PUMP - fuel injection (2200 rpm)	1
2	42-100	*SOLENOID - stop	1
3	33-2230	*O-RING - solenoid	1
4	55-8448	*SCREW - solenoid	2
5	13-440	*COVER - governor	1
6	33-4168	*GASKET - cover	1
7	55-6230	*PLUG (12 mm)	1
8	33-4169	*WASHER - sealing (12 mm)	1
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)	1
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
33	13-511	*PUMP - feed	1



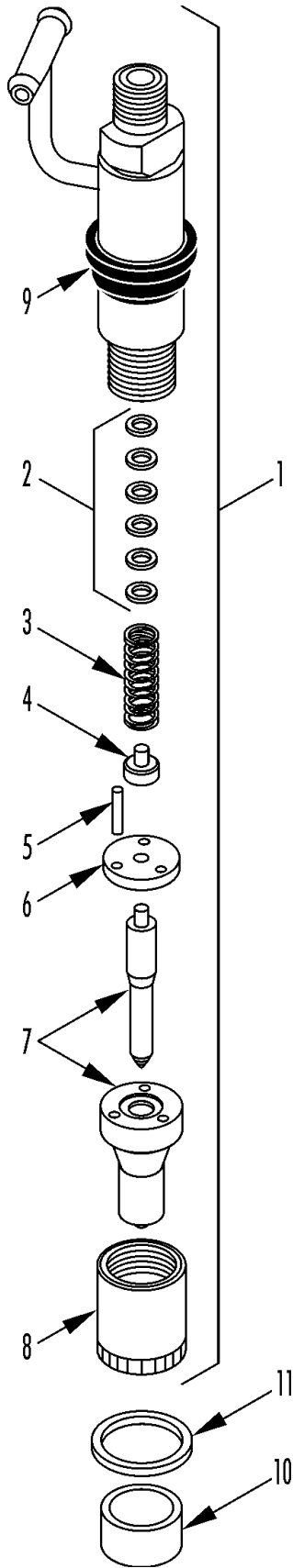
**FUEL INJECTION PUMP GROUP (TK486 series,
2200 RPM)**

Revised
01/04/13



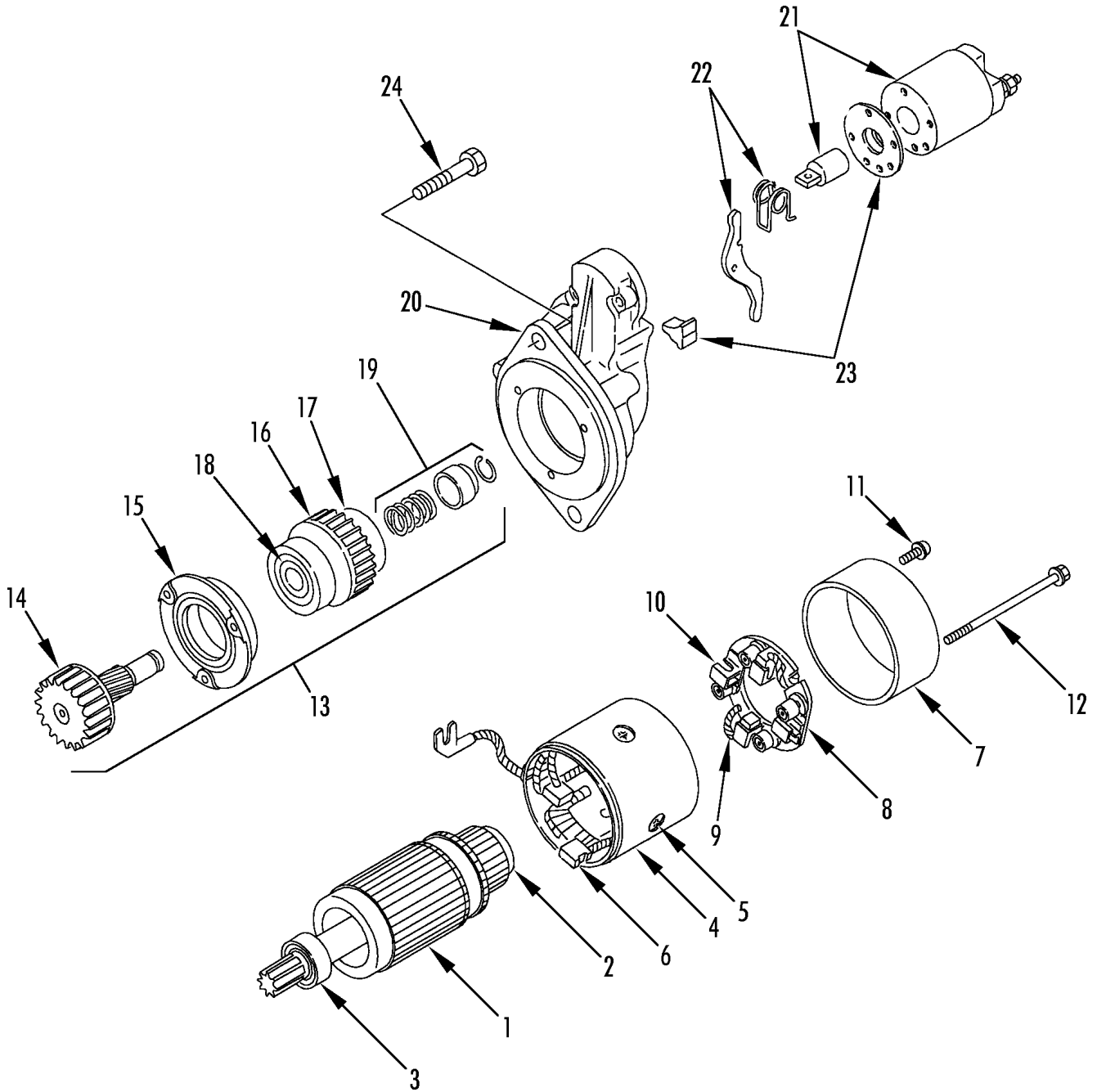
204G2

REF	PART NO.	DESCRIPTION	QTY
34	33-4193	**O-RING - inner	1
35	33-4192	*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	51-612	*SCREW - idler limit	1
	55-7802	SCREW - idler limit (Genset units)	1



FUEL INJECTION NOZZLE (TK486 series)**204G5**Revised
11/23/10

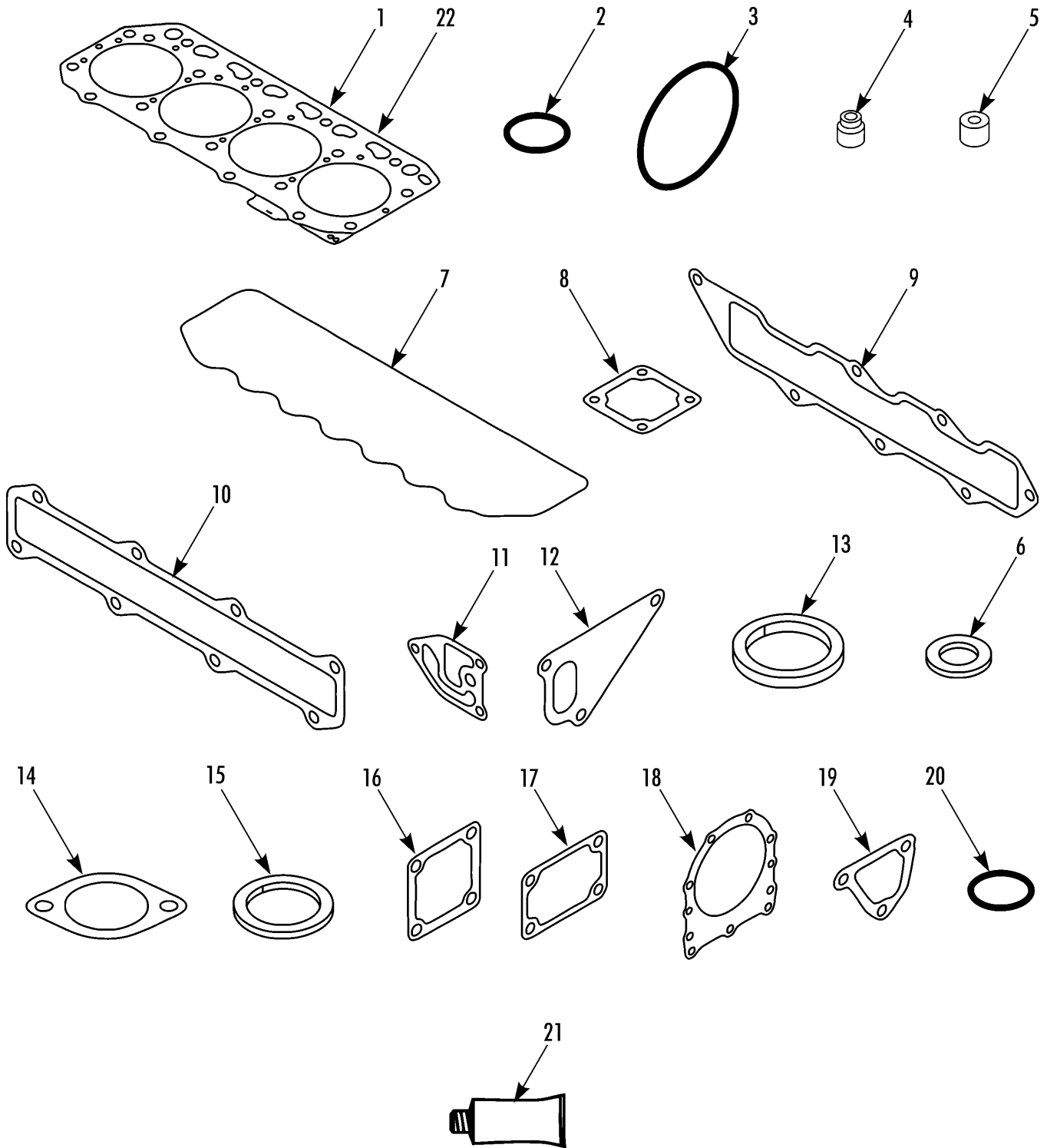
REF	PART NO.	DESCRIPTION	QTY
	13-388	VALVE - fuel injection	4
1	11-6787	*HOLDER - nozzle	1
2	11-6108	*SHIM SET	1
3	11-6788	*SPRING - nozzle	1
4	11-6106	*RETAINER - nozzle spring	1
5	11-6790	*PIN	1
6	11-6789	*PLATE - stop	1
7	13-370	*NOZZLE	1
8	11-6786	*NUT - nozzle case	1
9	33-4174	*GASKET - nozzle	1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



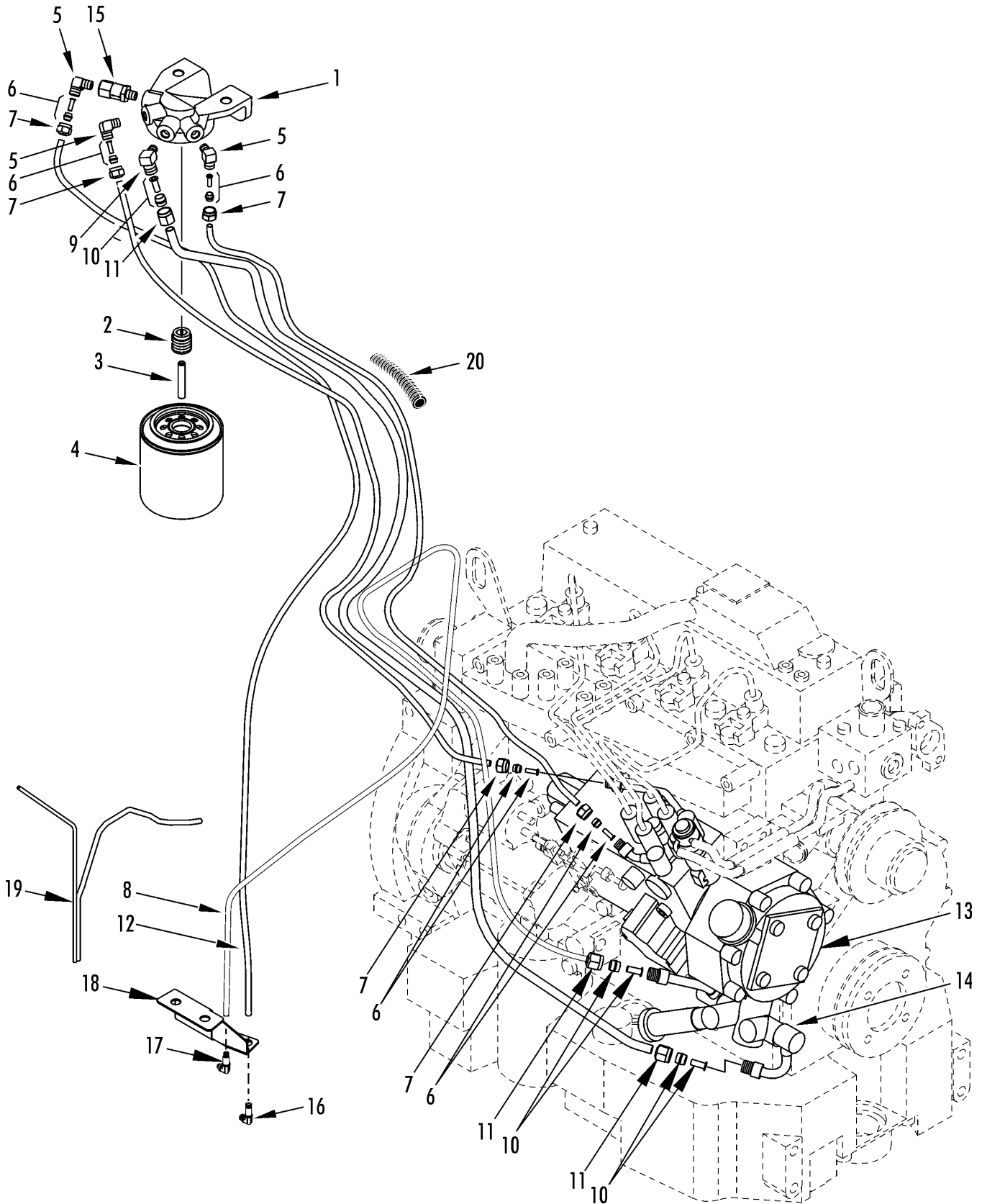
GASKET SET (TK486 series)



204G4

Revised
12/10/10

REF	PART NO.	DESCRIPTION	QTY
	30-291	KIT - gasket set	1
1	33-4122	*GASKET - cylinder head (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



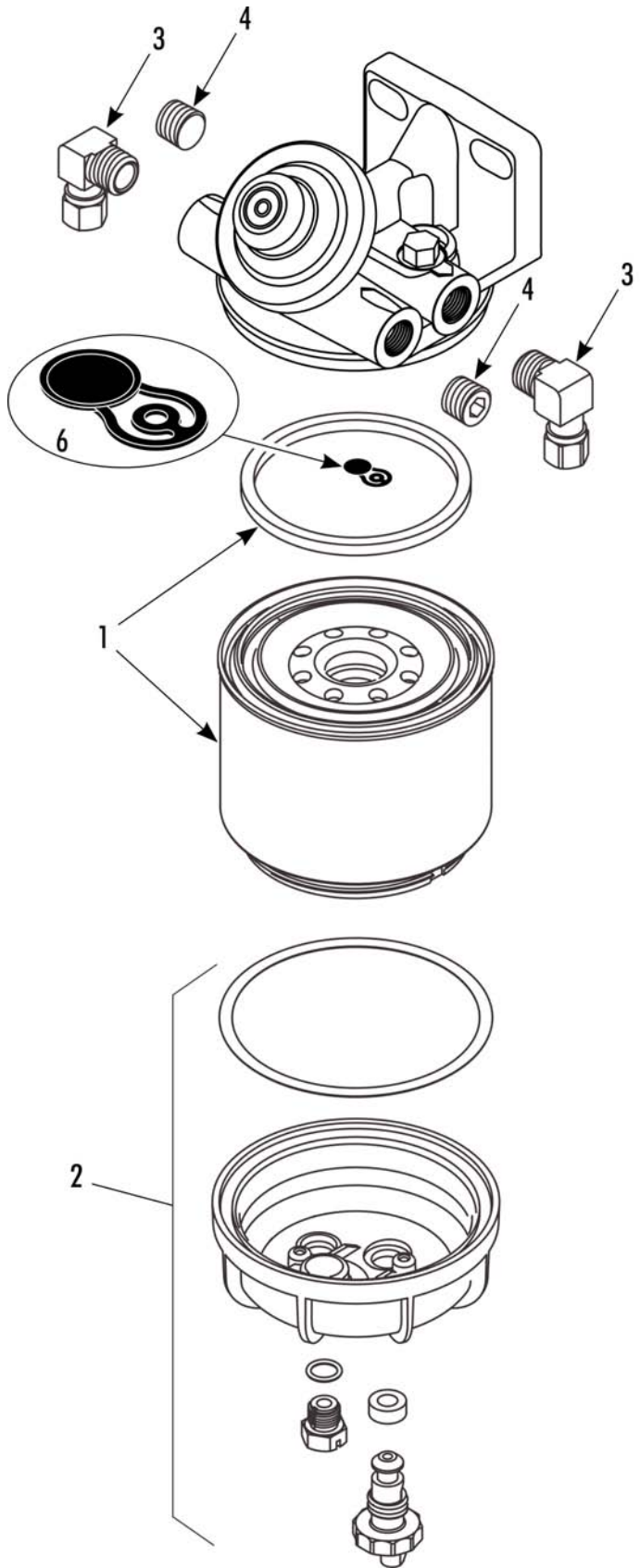
226C1

Revised
06/21/12

REF	PART NO.	DESCRIPTION	QTY
	10-325	KIT - fuel filter	1
1	11-9015	*HEAD - fuel filter	1
	55-5579	*SCREW - head	2
	55-1173	*LOCKWASHER	2
	55-7072	*FLATWASHER	2
2	11-9017	*SPUD - fuel filter	1
3	11-9016	*SHAFT - water bleed	1
4	11-9342	*FILTER - fuel (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)	3
11	11-4941	*NUT - hose (3/8)	3
12	11-4372	*HOSE (3/8 od x 35 ft lg)	A/R
13	101-362	PUMP - fuel injection (see 204G2)	1
14	11-7433	PUMP - fuel (see 142F8)	1
15	10-342	KIT - check valve (fuel line)	1
	11-9245	*VALVE - check	1
16	13-963	ELBOW - hose fitting (3/8, before 9/09)	1
17	13-964	ELBOW - hose fitting (1/4, before 9/09)	1
18	92-6830	BRACKET - fuel fittings (before 9/09)	1
	55-5022	SCREW - bracket	2
	55-7727	LOCKWASHER	2
	55-7069	FLATWASHER	2
19	13-1078	HOSE - fuel line routing (9/09 & after)	1
20	13-1232	SLEEVE - fuel hose protector (152m)	A/R

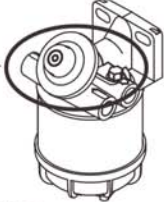
235F9 FUEL FILTER (Optional)


Revised
08/15/12



5

For fuel system
bleeding:
Use manual
pump on
filter near
fuel tank



 **THERMO KING**

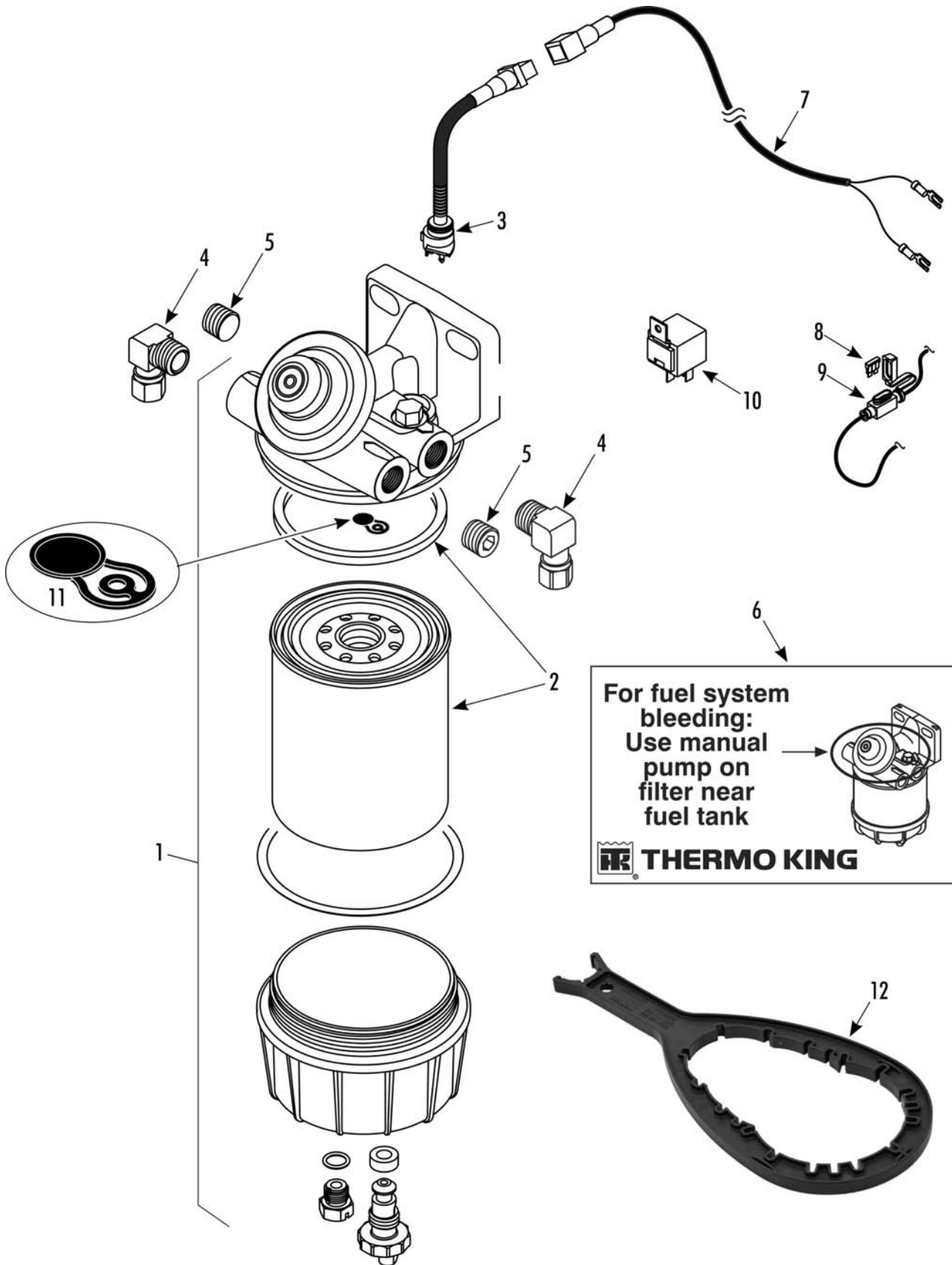


FUEL FILTER (Optional)**235F9**Revised
08/15/12

REF	PART NO.	DESCRIPTION	QTY
	10-415	KIT - fuel/water filter (with primer pump)	1
1	13-994	*FILTER & GASKET	1
2	13-995	*BOWL	1
3	51-1865	*ELBOW - fuel	2
4	51-1864	*PLUG	2
5	92-7963	*NAMEPLATE - Fuel System Bleeding	1
6	13-1197	*VALVE	1
7	204-1913	TOOL - wrench	1

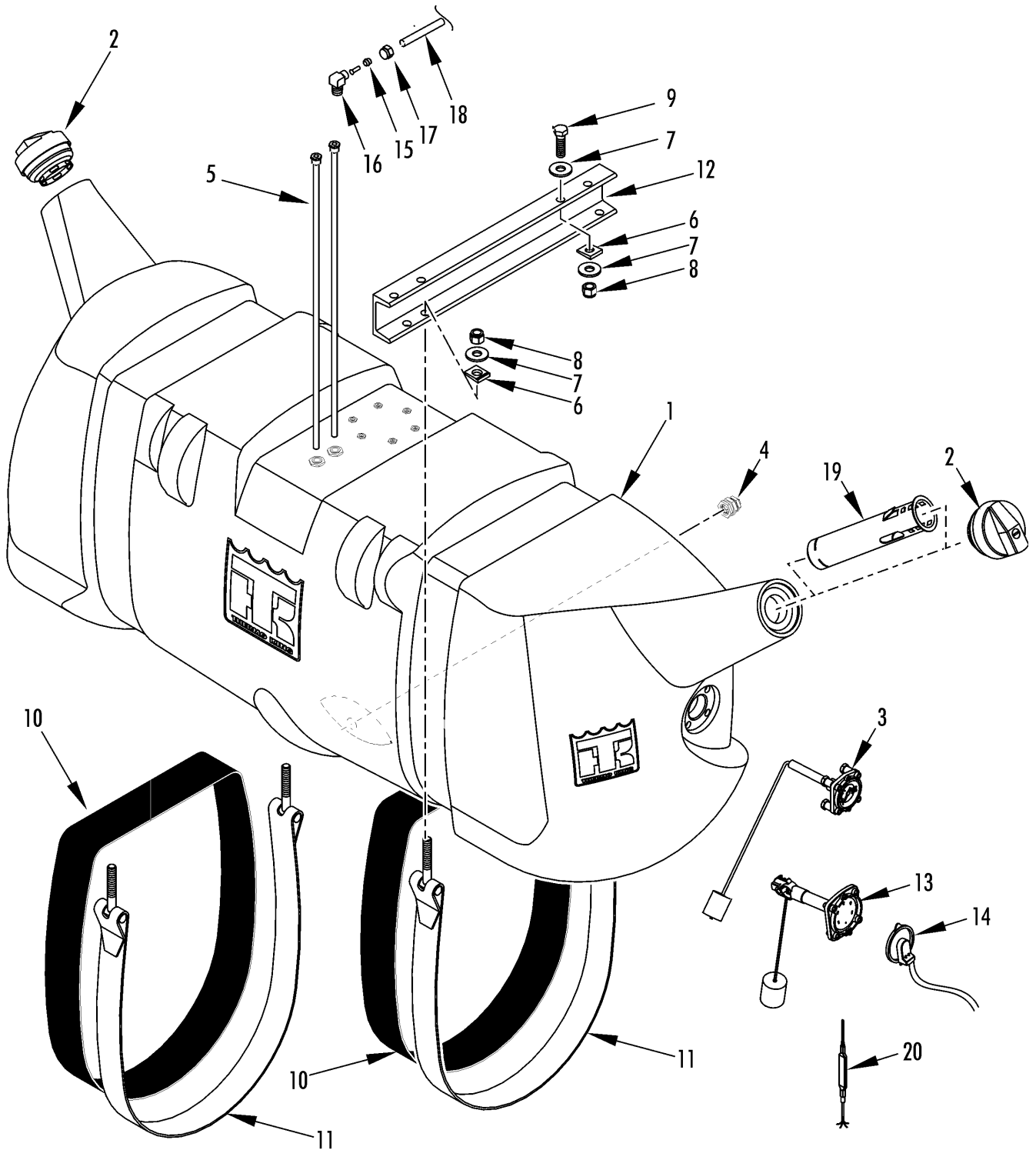
NOTE: EMEIA is using Kit 10-415, not 10-429.

NOTE: The wrench 204-1913 is NOT part of Kit 10-415 or Kit 10-429.



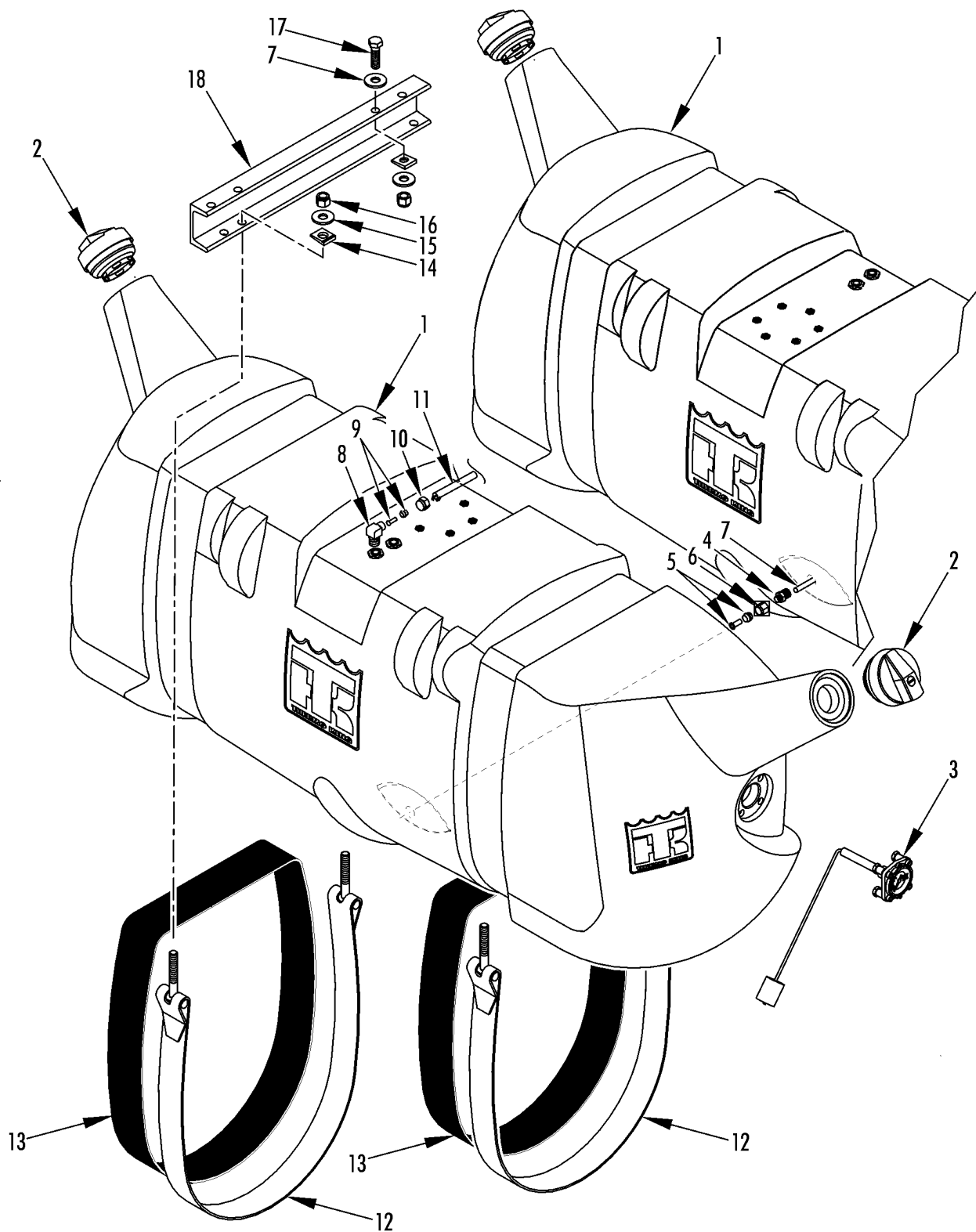
FUEL FILTER (Optional w/ electric heater)**250F3**Revised
05/11/12

REF	PART NO.	DESCRIPTION	QTY
	10-431	KIT - fuel/water filter (with primer pump & electric heater in filter head)	1
1	10-430	*FILTER & GASKET	1
2	13-1086	**FILTER	1
3	NSS	*HEATER - fuel (12 V)	1
4	51-1865	*ELBOW - fuel	2
5	51-1864	*PLUG	2
6	92-7963	*NAMEPLATE - Fuel System Bleeding	1
7	41-9505	*CABLE	1
8	41-2978	*FUSE (20 amp)	1
9	41-4740	*HOLDER - fuse	1
10	41-894	*RELAY	1
11	13-1197	*VALVE	1
12	204-1913	TOOL - wrench	1





REF	PART NO.	DESCRIPTION	QTY
1	12-839	TANK - fuel (230L, plastic inc items 2 - 5)	1
2	11-9629	*CAP - fuel	2
	11-9726	**KEY - fuel tank	1
3	11-9599	*GAUGE - fuel (before 6/10)	1
	13-1025	**DIAL - fuel gauge	1
	13-1082	*GAUGE - fuel (6/10 & after)	1
	13-1083	**DIAL - fuel gauge	1
	33-4818	**O-RING - gauge to tank	1
4	11-9134	*VALVE - ball check	1
5	13-1006	*TUBE - fuel	2
	90-351	KIT - fuel tank	1
	90-374	KIT - fuel tank (Schwarzmueller)	1
	90-392	KIT - fuel tank (for replacing steel fuel tank)	1
6	51-626	*WASHER - wedge (not required with longer bracket 98-8499)	8
7	55-5270	*FLATWASHER	12
8	55-3686	*NUT	8
9	55-1670	*SCREW - bracket	4
10	33-3872	*STRIP - anti chaffing	2
11	98-6659	*STRIP - fuel tank	2
12	98-8499	*BRACKET - hanger (part of kit 90-351)	2
	92-7625	*BRACKET - hanger (part of kit 90-374)	2
	92-7626	*BRACKET - hanger (part of kit 90-392)	2
13	13-794	GAUGE - fuel (electronic)	1
14	41-9222	*DIAL - fuel (electronic)	1
	33-4818	*O-RING - gauge to tank	1
15	10-243	KIT - sleeve & eyelet	2
16	11-4370	CONNECTOR - fuel line (1/4 straight)	2
17	11-4841	NUT (1/4)	2
18	11-9030	HOSE - fuel (1/4)	A/R
19	13-960	ANTISIPHON (optional, not included with fuel tank)	1
20	41-8131	CONVERTER - fuel level (DAS, optional)	1



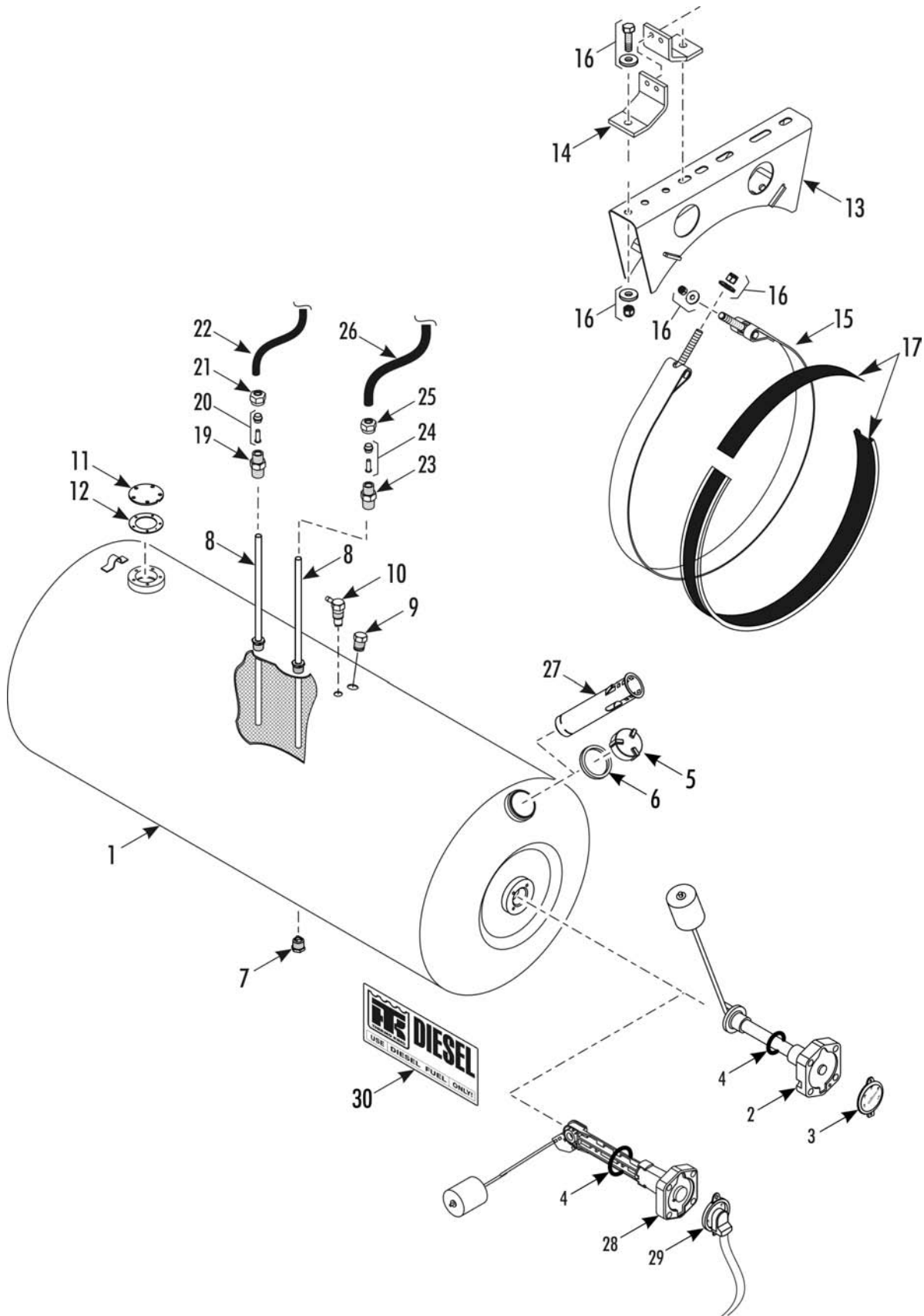
DUAL PLASTIC FUEL TANKS



226D7

Revised
11/16/11

REF	PART NO.	DESCRIPTION	QTY
1	12-839	TANK - fuel (230L, plastic)	2
2	11-9629	*CAP - fuel	2
	11-9726	**KEY - fuel tank	1
3	11-9599	*GAUGE - fuel	1
4	55-4515	FITTING (3/8)	2
5	10-242	KIT - sleeve & eyelet (3/8)	2
6	11-4941	NUT (3/8)	2
7	11-4372	HOSE - fuel (3/8)	A/R
8	11-4860	ELBOW (1/4)	2
9	10-243	KIT - sleeve & eyelet (1/4)	2
10	11-4841	NUT (1/4)	2
11	11-4367	HOSE - fuel (1/4)	A/R
12	98-6659	STRIP - fuel tank	4
13	33-3872	STRIP - anti chaffing	4
14	51-626	WASHER - wedge	16
15	55-5270	FLATWASHER	24
16	55-3686	NUT	16
17	55-1670	SCREW - bracket	8
18	98-8499	BRACKET - hanger	4



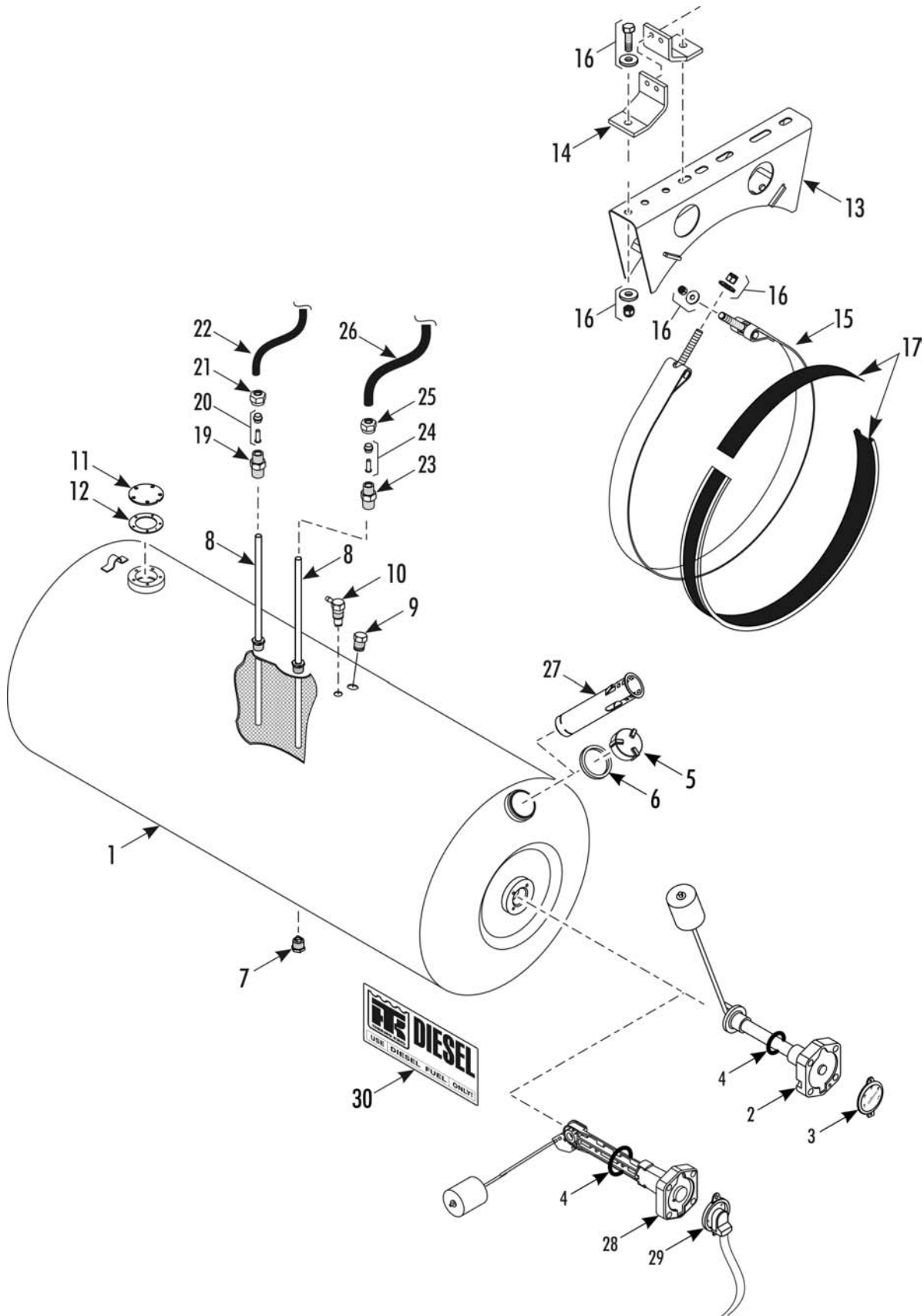
FUEL TANK (EMEIA, 18 IN DIAMETER)



67C1

Revised
11/10/12

REF	PART NO.	DESCRIPTION	QTY
1	12-978	TANK - fuel (50 gallon, steel)	1
2	11-2593	*GAUGE - fuel (mechanical)	1
3	11-5450	**DIAL - fuel gauge	1
4	33-4818	**O-RING - gauge to tank	1
5	11-5946	*CAP - fuel tank (non-vented, non-fused)	1
6	33-381	**GASKET - cap	1
7	55-2313	*BALL - check	1
8	11-5331	*TUBE - fuel pickup	2
9	11-5339	*PLUG - fuse	1
10	55-5617	*VENT	1
11	11-9741	*COVER - port	1
12	33-3878	*GASKET - cover	1
	55-1510	*SCREW - cover (10-32)	5
	55-431	*FLATWASHER	5
	55-1511	*LOCKWASHER	5
13	98-9143	HANGER - fuel tank	2
14	98-4170	BRACKET - channel	8
15	98-2316	STRAP - hanger	2
16	55-2252	SCREW (1/2-13)	8
	55-5270	FLATWASHER (1/2)	12
	55-3686	NUT (1/2-13)	12
17	33-4479	STRIP - chafing (4 in lg)	2
	99-9701	STRIP - chafing (67 in lg)	2
18	99-1596	NAMEPLATE - Diesel Fuel Only	1
19	11-4370	CONNECTOR - hose fitting (1/4)	1
20	10-243	KIT - sleeve & eyelet (1/4)	1
21	11-4841	NUT (1/4)	1
22	11-4367	HOSE (1/4 od x 35 ft lg)	1
23	11-8982	FITTING (3/8)	1
24	10-242	KIT - sleeve & eyelet (3/8)	1
25	11-4941	NUT (3/8)	1
26	11-4372	HOSE (3/8 od x 35 ft lg)	1
27	13-878	ANTISIPHON	1



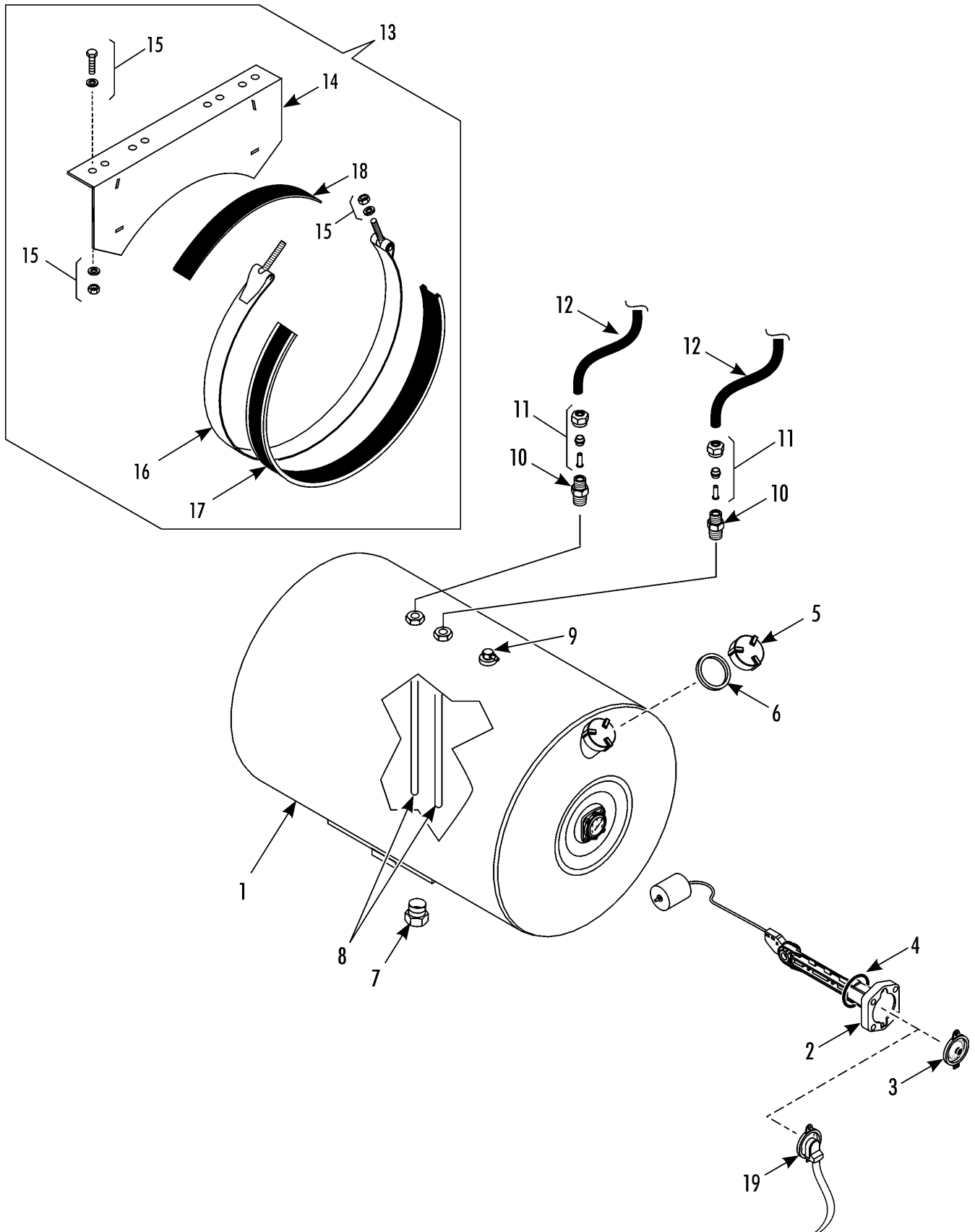
FUEL TANK (EMEIA, 18 IN DIAMETER)



67C1

Revised
11/10/12

REF	PART NO.	DESCRIPTION	QTY
28	13-1019	GAUGE - fuel (electronic)	1
29	41-9223	*DIAL - gauge	1
30	99-1596	NAMEPLATE - Diesel Fuel Only	1



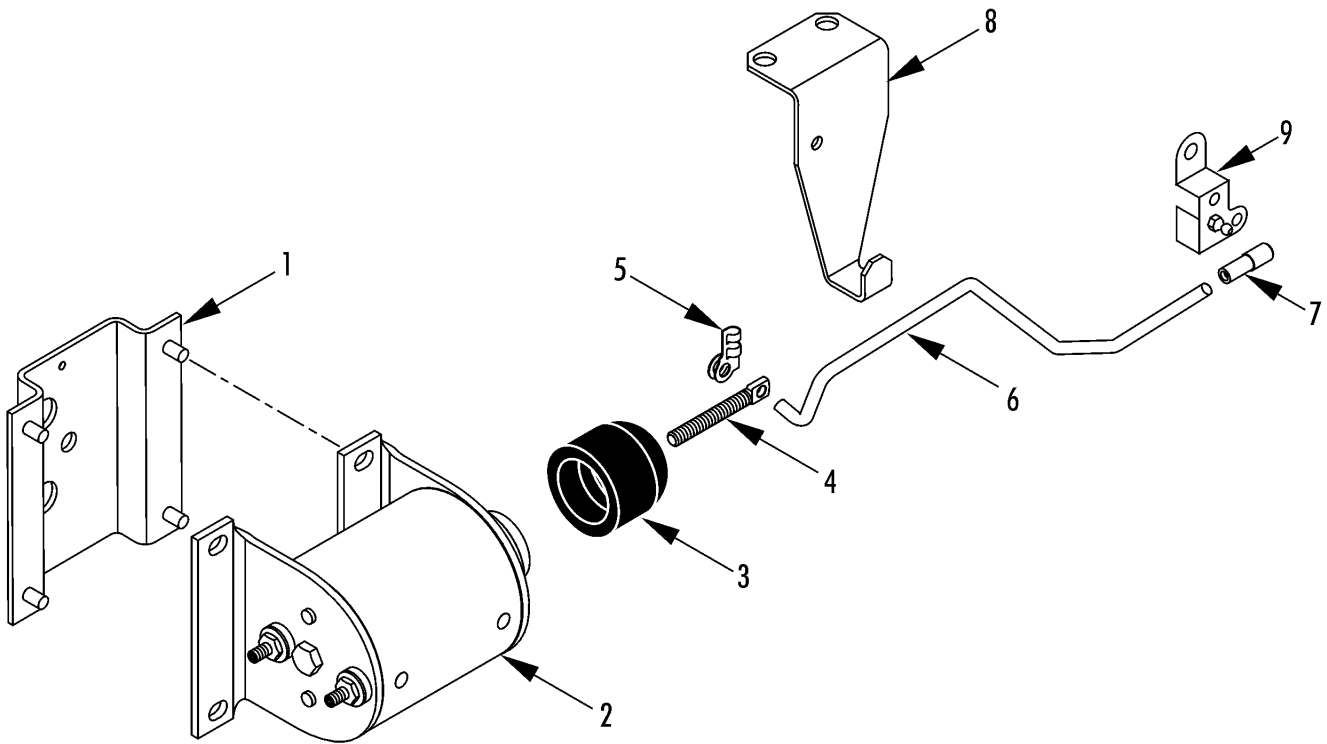
FUEL TANK (18 IN DIAMETER, ALUMINUM)



264C6

Revised
12/17/12

REF	PART NO.	DESCRIPTION	QTY
1	12-978	TANK - fuel (50 gal, 190 L)	1
	12-979	TANK - fuel (26 gal, 100 L)	1
2	13-1299	*GAUGE - fuel (mechanical)	1
3	13-1300	**DIAL - fuel gauge	1
4	33-4818	**O-RING - fuel gauge	1
5	11-7984	*CAP - fuel	1
	11-8053	*CAP - fuel (locking, optional)	1
6	33-381	**GASKET - cap	1
7	11-9134	*DRAIN	1
8	11-5331	*TUBE - pickup	2
9	55-5617	*VENT	1
10	11-4370	CONNECTOR - hose fitting (1/4)	2
11	10-243	KIT - sleeve & eyelet (1/4)	2
	11-4841	NUT (1/4)	2
12	11-4367	HOSE (1/4 od x 35 ft lg)	2
13	90-2417	KIT - fuel tank	1
14	98-9143	*HANGER - fuel tank	2
15	55-3686	*SCREW (1/2-13)	8
	55-5270	*FLATWASHER (1/2)	20
	55-3686	*NUT (1/2-13)	12
16	98-9144	*STRAP - assembly	2
17	33-4876	**STRIP - chafing (33 in lg)	2
18	33-4479	*STRIP - chafing (4 in lg)	2
19	41-9223	DIAL - fuel gauge (electrical, optional)	1



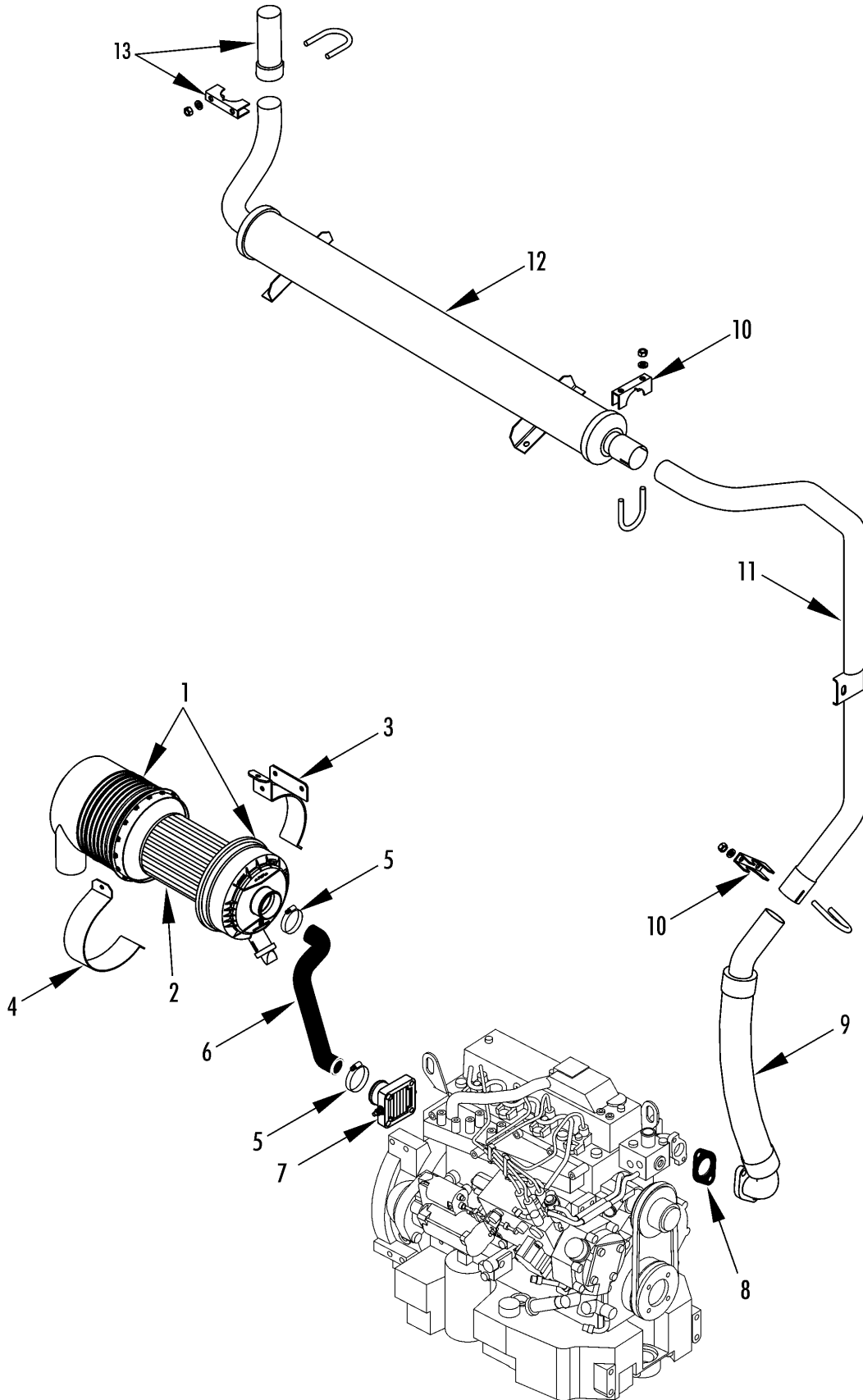
THROTTLE SOLENOID GROUP



225E7

Revised
10/10/11

REF	PART NO.	DESCRIPTION	QTY
1	92-6485	BRACKET - solenoid	1
	55-5022	SCREW - bracket	4
	55-7727	LOCKWASHER	4
	55-7069	FLATWASHER	4
2	44-9181	SOLENOID	1
	55-7007	NUT - solenoid	4
	55-4638	FLATWASHER	4
3	91-3095	BOOT - plunger	1
4	55-2762	BOLT - eye	1
	55-1533	NUT	1
	55-1800	LOCKWASHER	1
5	11-4266	CLIP - clevis	1
6	13-937	ROD - speed control	1
7	13-383	JOINT - rod (ball)	1
8	92-6486	BRACKET - solenoid	1
	55-4998	SCREW - bracket	2
	55-7727	LOCKWASHER	4
	55-7069	FLATWASHER	4
9	12-925	LEVER - injection control (see 204G2)	1



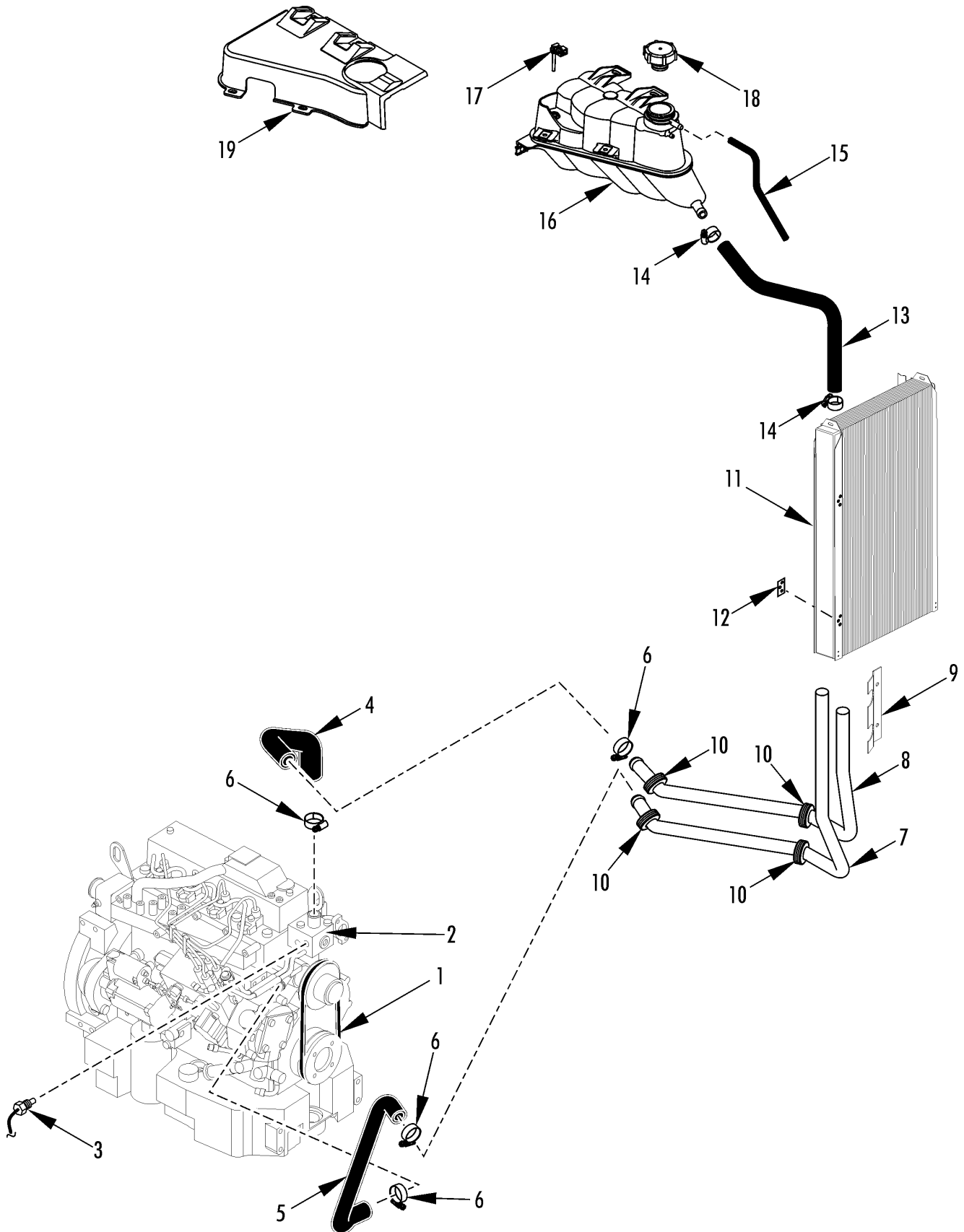
INTAKE & EXHAUST GROUP



225E5

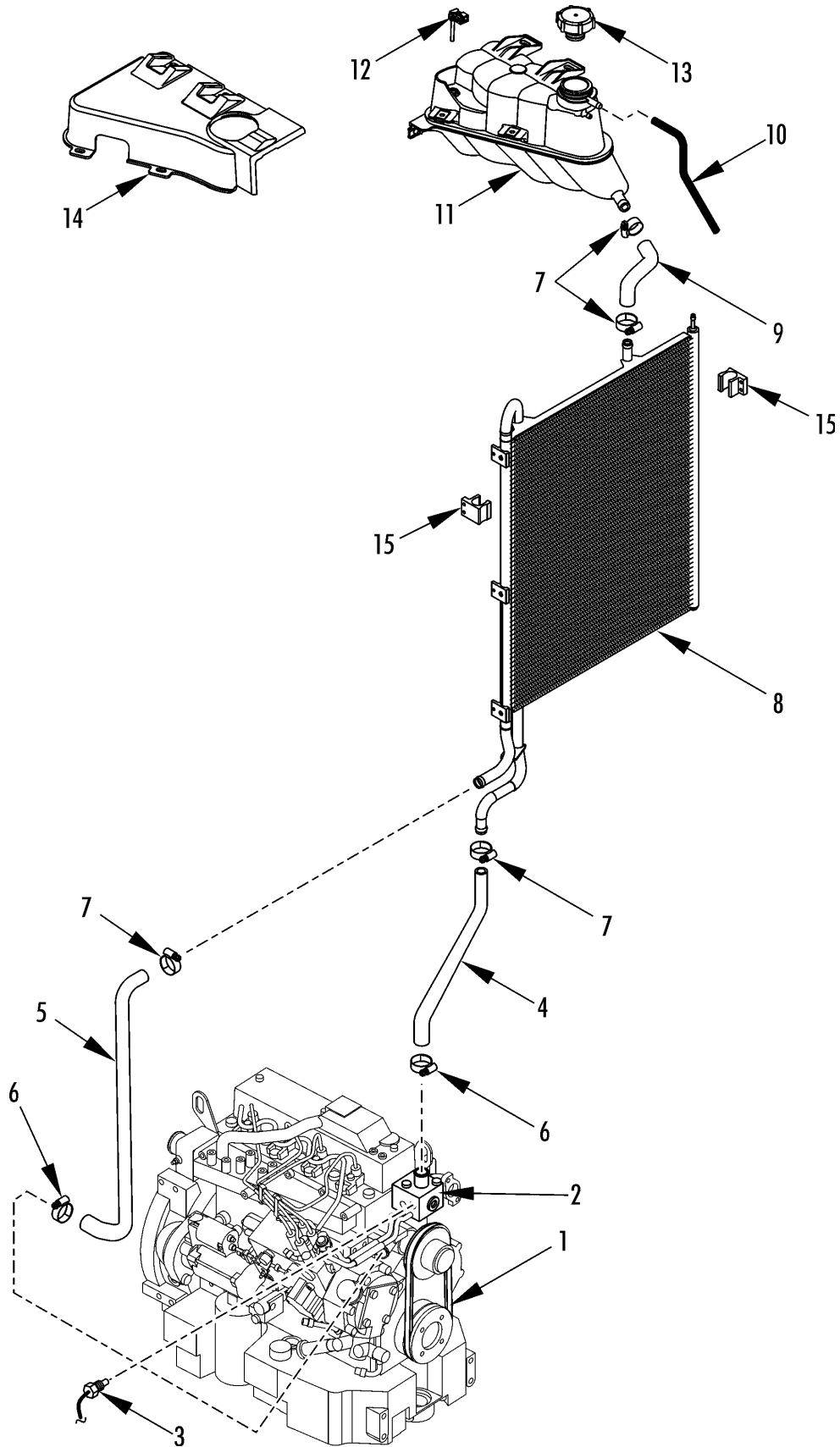
Revised
10/03/12

REF	PART NO.	DESCRIPTION	QTY
1	11-9299	AIR CLEANER	1
2	11-9300	*FILTER - air cleaner	1
3	92-9836	BRACKET - air cleaner	1
	55-5022	SCREW - bracket	2
	55-7069	FLATWASHER	2
	55-7727	LOCKWASHER	2
4	92-6489	BRACKET - air cleaner	1
	92-9837	BRACKET - air cleaner (units w/ ETV)	1
	51-718	SCREW - bracket	2
5	55-4979	CLAMP - hose	2
6	13-1284	HOSE - air cleaner	1
7	41-2147	HEATER - air intake	1
8	33-2314	GASKET - exhaust	1
9	13-939	TUBE - exhaust (flexible)	1
	55-4612	SCREW - tube	2
	55-4621	NUT	2
10	99-496	CLAMP - exhaust tube	2
11	13-938	TUBE - muffler	1
	55-5022	SCREW - tube	2
	55-7069	FLATWASHER	2
	55-7727	LOCKWASHER	2
12	12-919	MUFFLER	1
	55-5022	SCREW - muffler	4
	55-7727	LOCKWASHER	4
	55-7069	FLATWASHER	4
13	90-430	KIT - muffler extension (optional)	1



COOLANT GROUP (before 5/10)**225E6**Revised
05/02/11

REF	PART NO.	DESCRIPTION	QTY
1	78-1340	BELT - water pump	1
2	13-509	PUMP - water (see 204D2)	1
	813-509	PUMP - water reman (see 204D2)	1
3	41-6538	SENSOR - water temperature	1
4	13-945	HOSE - outlet (thermostat to radiator)	1
5	13-944	HOSE - inlet (radiator to engine)	1
6	55-3401	CLAMP - hose	4
7	13-942	TUBE - radiator (outlet)	1
8	13-943	TUBE - radiator (inlet)	1
9	92-6490	BRACKET - coolant tubes	1
10	33-452	GROMMET	4
11	67-2332	COIL - condenser/radiator (see 225D1)	1
12	92-9029	*BRACKET - coil	2
13	13-941	HOSE - radiator to expansion tank	1
14	55-5074	CLAMP - hose	2
15	13-1027	HOSE - over flow	1
	33-4097	GROMMET - hose	1
16	12-920	TANK - expansion	1
17	41-9489	*SENSOR - coolant	1
	55-5022	SCREW - tank	5
18	11-9632	CAP - tank	1
19	13-1123	SHROUD - expansion tank	1



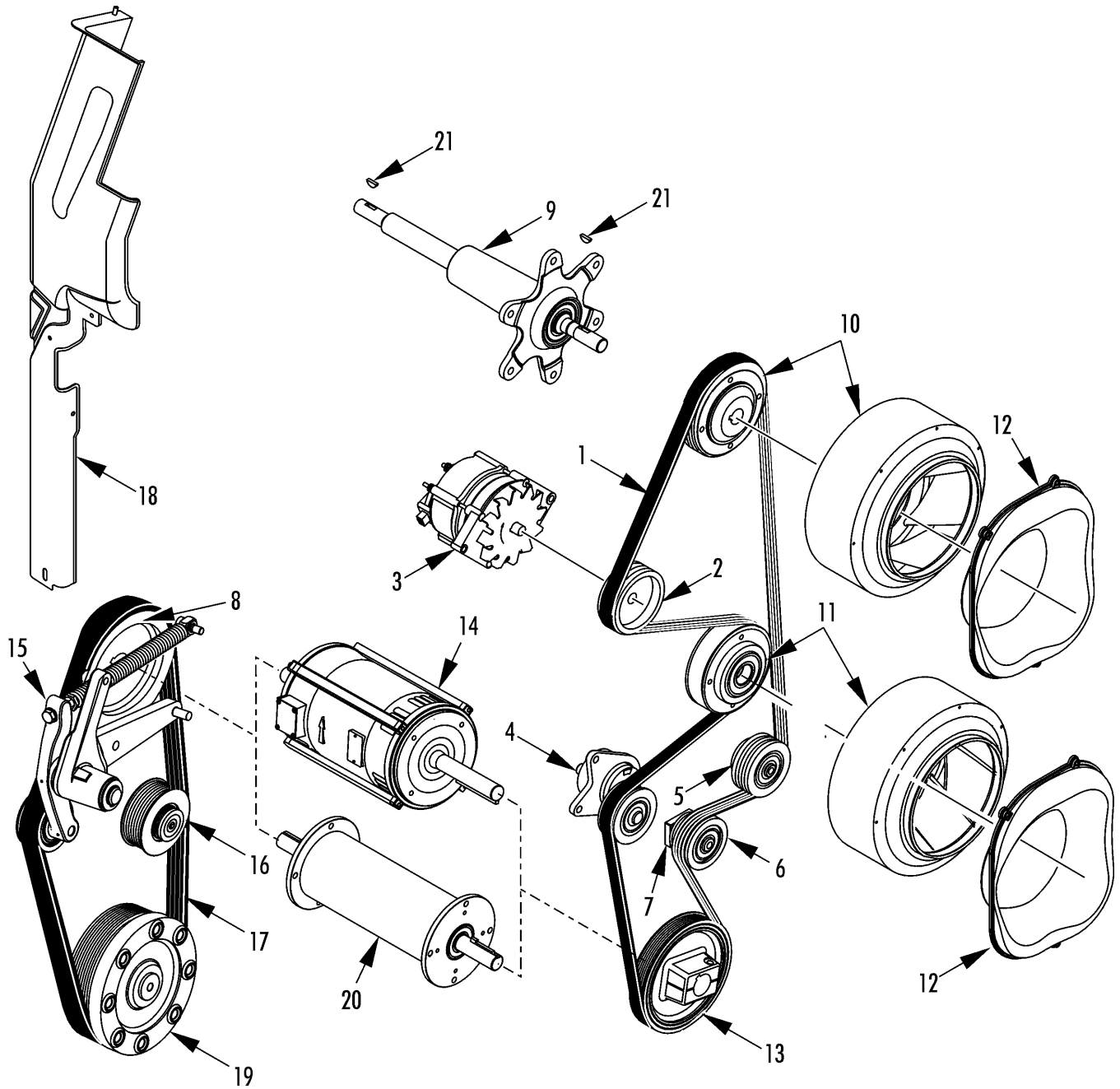
**COOLANT GROUP (5/10 & after, micro channel
cond coil)**



242C0

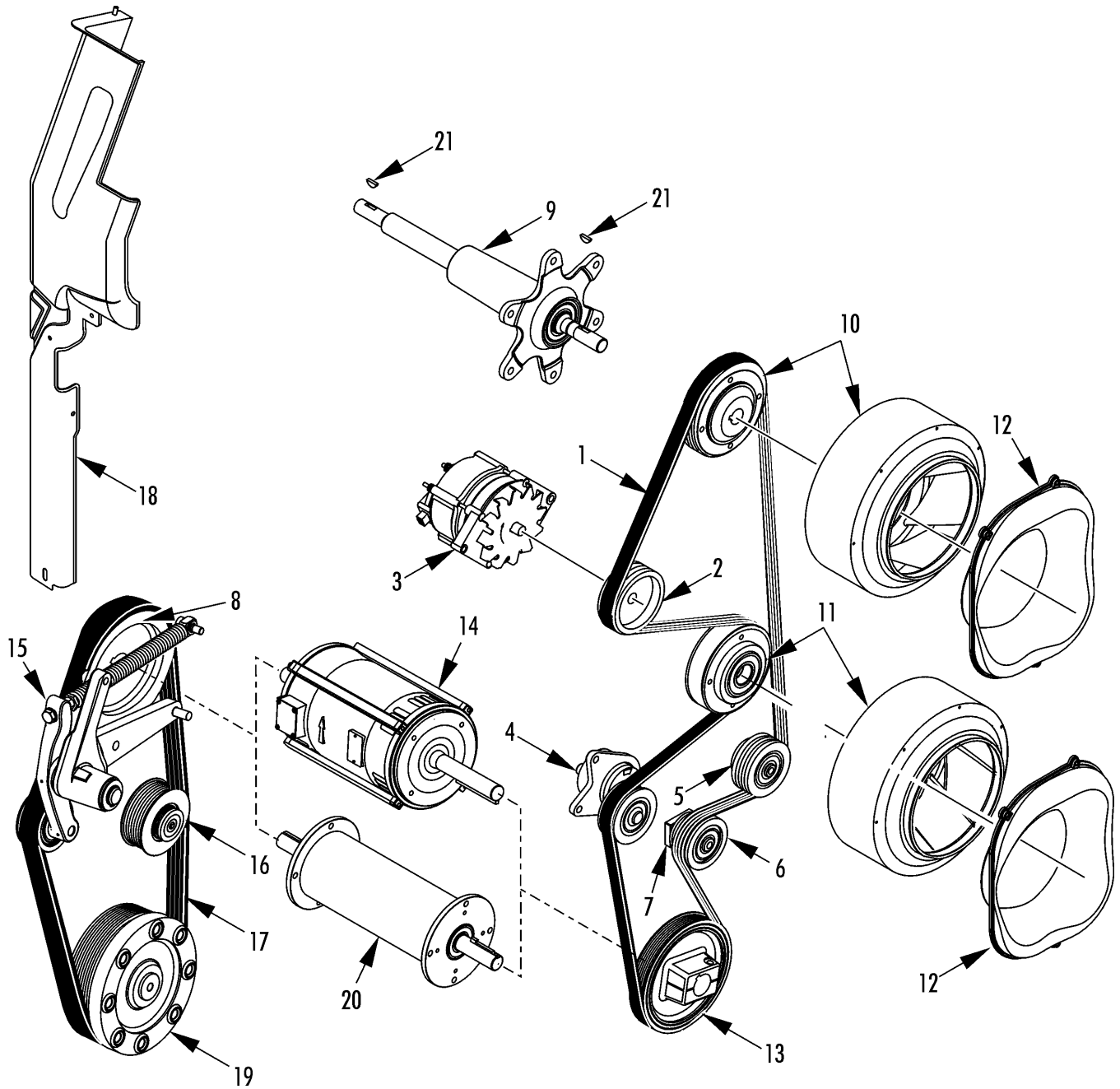
Revised
01/15/13

REF	PART NO.	DESCRIPTION	QTY
1	78-1340	BELT - water pump	1
2	13-509	PUMP - water (see 204D2)	1
	813-509	PUMP - water reman (see 204D2)	1
3	41-6538	SENSOR - water temperature	1
4	13-1076	HOSE - outlet (thermostat to radiator)	1
5	13-1077	HOSE - inlet (radiator to engine)	1
6	55-4979	CLAMP - hose	2
7	55-3401	CLAMP - hose	2
8	67-2475	COIL - radiator (see 242C9)	1
9	13-1075	HOSE - radiator to expansion tank	1
10	13-1074	HOSE - over flow	1
11	12-920	TANK - expansion	1
12	41-9489	*SENSOR - coolant	1
13	11-9632	*CAP - tank	1
	55-5022	SCREW - tank	5
14	13-1123	SHROUD - expansion tank	1
15	93-662	BRACKET - radiator	2



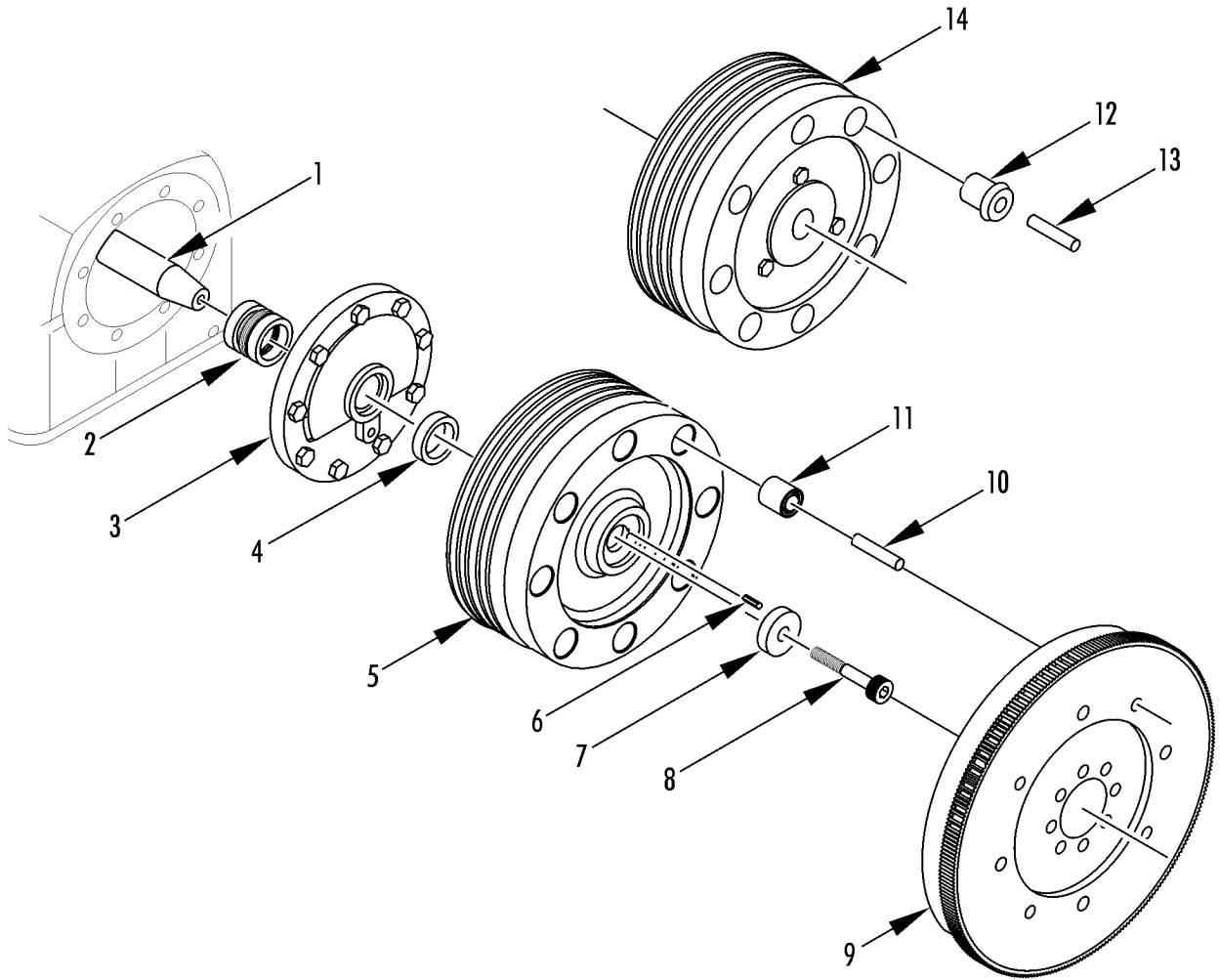
BELTS & BLOWERS (SLX-100/400/Spectrum)**226A2**Revised
11/28/12

REF	PART NO.	DESCRIPTION	QTY
1	78-1744	BELT - blowers	1
2	77-2902	PULLEY - alternator	1
3	45-2254	ALTERNATOR (37 amp, see 208F4)	1
	41-8461	ALTERNATOR (37 amp, Standard Life Plus)	1
	845-2254	ALTERNATOR (37 amp, remanufactured)	1
	45-2258	ALTERNATOR (Spectrum units, 120 amp, see 241C1)	1
4	78-1620	TENSIONER - belt (see 225D12)	1
	55-4680	SCREW - tensioner	4
	55-7005	NUT	3
5	77-2901	IDLER - grooved (see 225E3)	1
	55-1173	LOCKWASHER	1
	55-7072	FLATWASHER	1
	55-8472	SCREW - idler	3
6	77-2900	IDLER - smooth (see 225E3)	1
7	92-6505	BLOCK - slider	1
	55-5419	SCREW - idler	3
8	77-2914	PULLEY - motor	1
9	78-1615	FANSHAFT (see 225D13)	1
10	78-1618	BLOWER - upper	1
11	78-1619	BLOWER - lower	1
12	77-2903	SPINNING - condenser	2
	55-9761	SCREW - spinning (M6 X 25)	2
	51-1741	SCREW - spinning (M6 X 60, brass)	4
	55-405	LOCKWASHER - dome	6
	55-4607	FLATWASHER	4
	55-7007	NUT	4
13	77-2908	PULLEY - motor (175 mm)	1
	77-2945	PULLEY - motor (SLX Spectrum only, 161 mm)	1
	55-7167	SCREW - pulley	2
	55-7727	LOCKWASHER	2
	55-4607	FLATWASHER	2
14	104-756	MOTOR (15hp, 230-460/3/60, 12.5hp, 190-380/3/50)	1
	104-770	MOTOR (14hp, 200/3/50-60, Japan)	1



BELTS & BLOWERS (SLX-100/400/Spectrum)**226A2**Revised
11/28/12

REF	PART NO.	DESCRIPTION	QTY
	104-793	MOTOR (Spectrum units, 12.5 hp, see 225E9)	1
15	78-1791	TENSIONER - clutch (see 225E2)	1
	51-1244	SCREW - tensioner	3
	55-365	LOCKWASHER	3
	55-2038	FLATWASHER	3
16	78-1623	PULLEY - idler (see 225E4)	1
17	78-1626	BELT - engine to motor	1
18	92-6509	GUARD - belt	1
	51-718	SCREW - guard	4
19	107-364	CLUTCH	1
20	78-1696	CROSS DRIVE (see 226C2)	1
21	55-457	KEY - fan	2

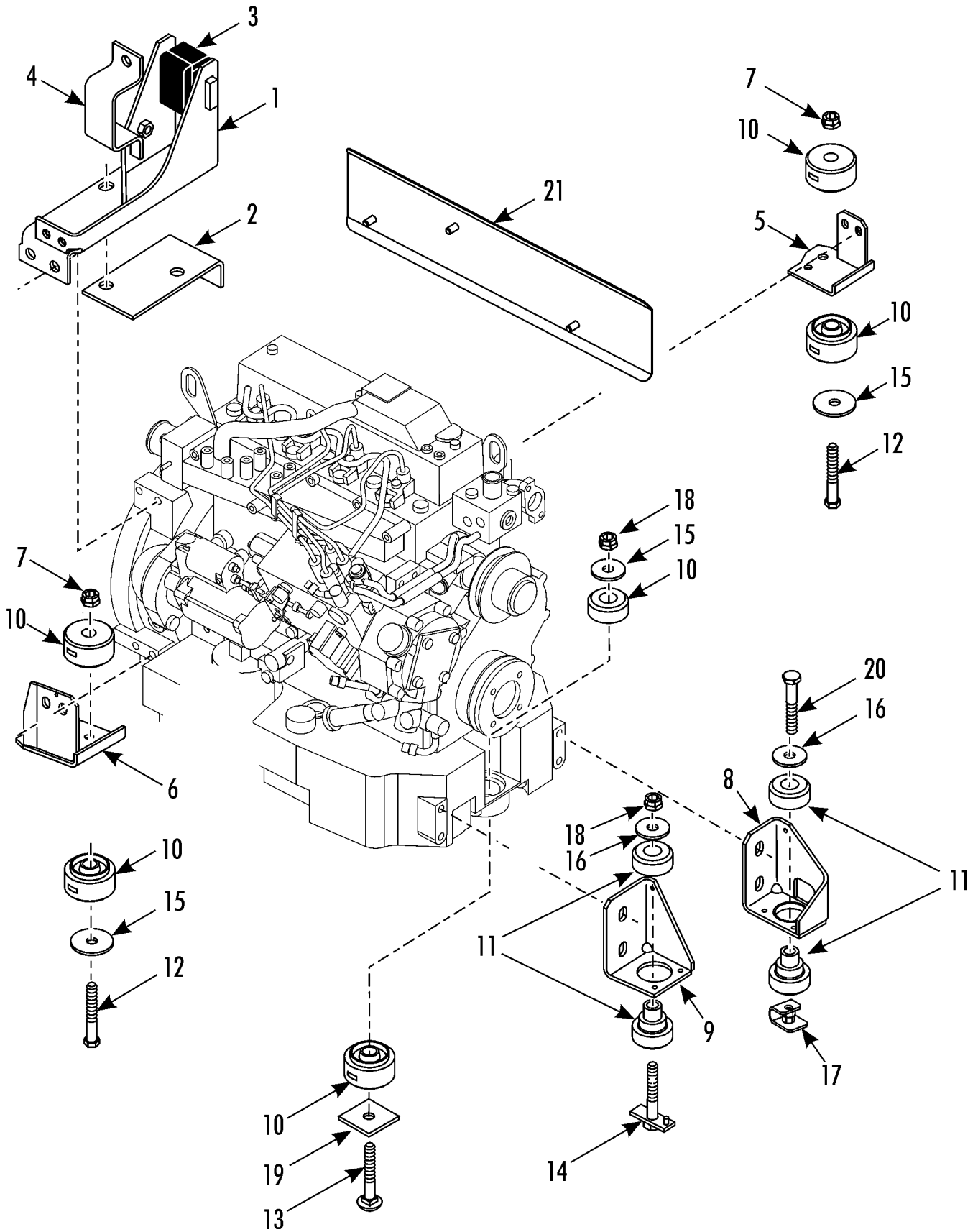




Revised
11/28/12

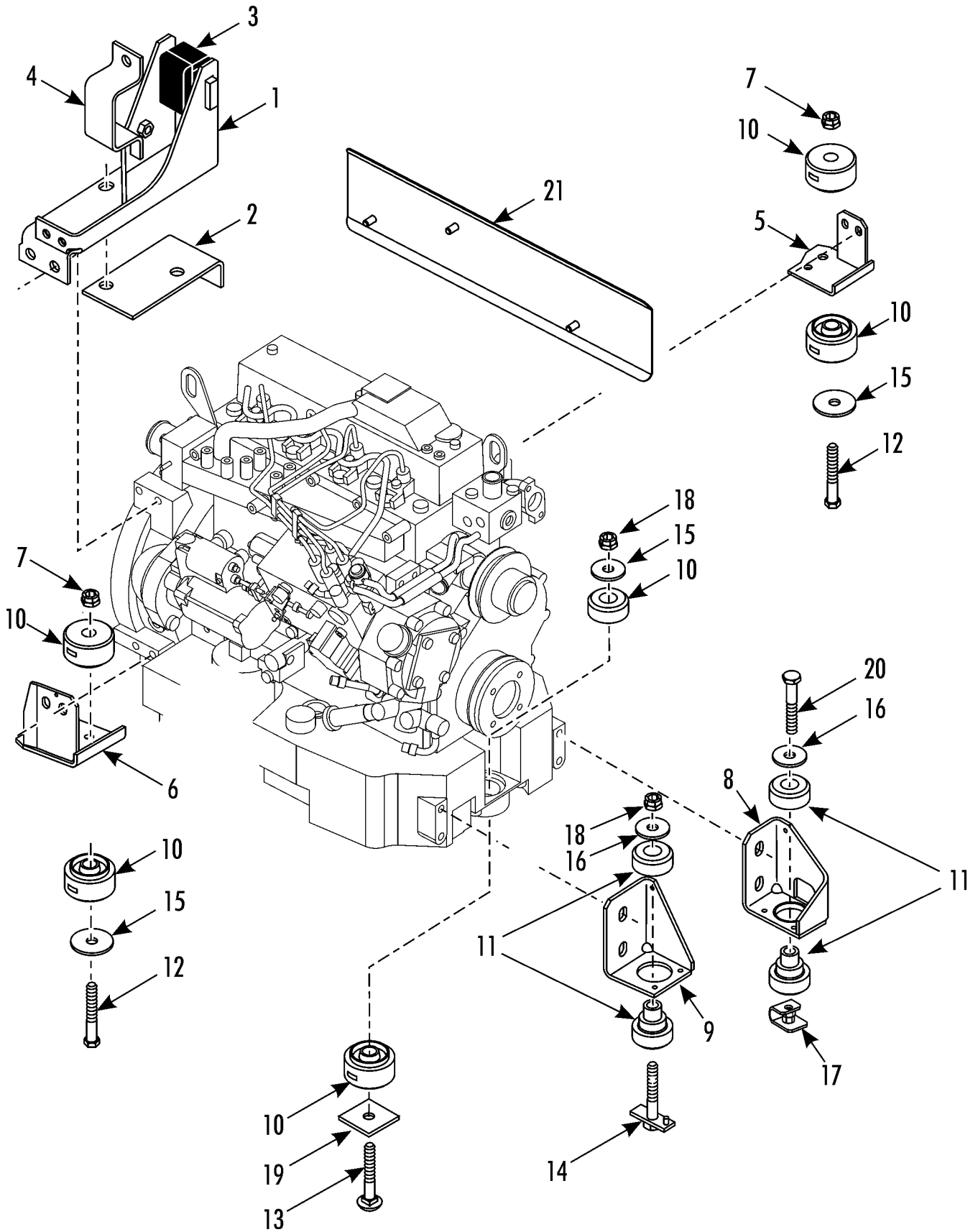
REF	PART NO.	DESCRIPTION	QTY
	102-900	COMPRESSOR - X430 LS C5 (dry, see 223C5)	1
	8102-900	COMPRESSOR - X430 LS C5 (dry, new exchange, see 223C5)	1
	8102-972	COMPRESSOR - X430 LS C5 (EMEIA, dry reman, see 223C5)	1
	8102-902	COMPRESSOR - X430 LS C5 (7 qt sump, reman, see 230C8)	1
	102-901	COMPRESSOR - X426 LS C5 (see 226C5, EMEIA)	1
	8102-901	COMPRESSOR - X426 LS C5 (see 226C5, reman, EMEIA)	1
1	22-1027	CRANKSHAFT - X430	1
2	22-1101	SEAL - bellows (for 1.188 dia crankshaft)	1
3	22-1028	COVER - drive end	1
4	33-3004	SEAL (for 1.188 dia crankshaft)	1
5	77-2916	COUPLING - compressor drive (SLX)	1
	77-3067	COUPLING - compressor drive (SLXe)	1
6	55-9032	KEY (5/8 lg)	1
7	55-9300	SPACER - coupling	1
8	55-9092	SCREW - clutch/coupling	1
9	12-750	FLYWHEEL	1
	11-8947	*GEAR - ring (before 11/08)	1
	13-1138	*GEAR - ring (11/08 & after)	1
10	55-1123	PIN - dowel (30s)	8
11	77-2856	BUSHING (30s)	8
	70-208	KIT - bushing (8-pin clutch, incl pins, bushings & adhesive)	1
12	77-2760	BUSHING - coupling (50s)	8
	204-1114	ADHESIVE - bushing	A/R
13	51-814	PIN - dowel (50s)	8
14	107-364	CLUTCH	1
	107-399	CLUTCH (SLXe only)	1

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





REF	PART NO.	DESCRIPTION	QTY
1	92-6484	MOUNT - snubber	1
2	92-6483	SUPPORT - snubber mount	1
	55-4723	SCREW - mount & support	5
	55-365	LOCKWASHER	5
	55-2038	FLATWASHER	5
3	91-8972	ISOLATOR - snubber (rear)	1
4	92-6771	RETAINER - isolator	1
	55-4723	SCREW - retainer	2
	55-2038	FLATWASHER	2
	55-365	LOCKWASHER	2
5	92-7063	BRACKET - engine (compressor end, rear)	1
6	92-6946	BRACKET - engine (compressor end, front)	1
	55-4723	SCREW - bracket	10
	55-365	LOCKWASHER	10
	55-2038	FLATWASHER	10
7	55-4963	NUT (5/8-18)	3
8	92-9484	BRACKET - engine (water pump end, rear)	1
9	92-9485	BRACKET - engine (water pump end, front)	1
	55-4723	SCREW - bracket	6
	55-365	LOCKWASHER	6
	55-2038	FLATWASHER	6
10	91-4159	MOUNT - vibration	6
11	92-7797	MOUNT - vibration (set of 2, front, water pump end)	2
12	55-2482	SCREW - engine (compressor end)	2
13	91-4675	SCREW - engine (center, water pump end)	1
14	92-9482	SCREW - engine (front, water pump end)	1
15	55-5749	WASHER - special	3
16	55-7364	WASHER - special	2
17	51-2328	NUT ASSEMBLY	1
18	55-7003	NUT (M12)	1
19	51-2319	PLATE - engine (front)	1
20	55-7023	SCREW - engine (rear, water pump end)	1
21	92-6487	SHIELD - heat	1



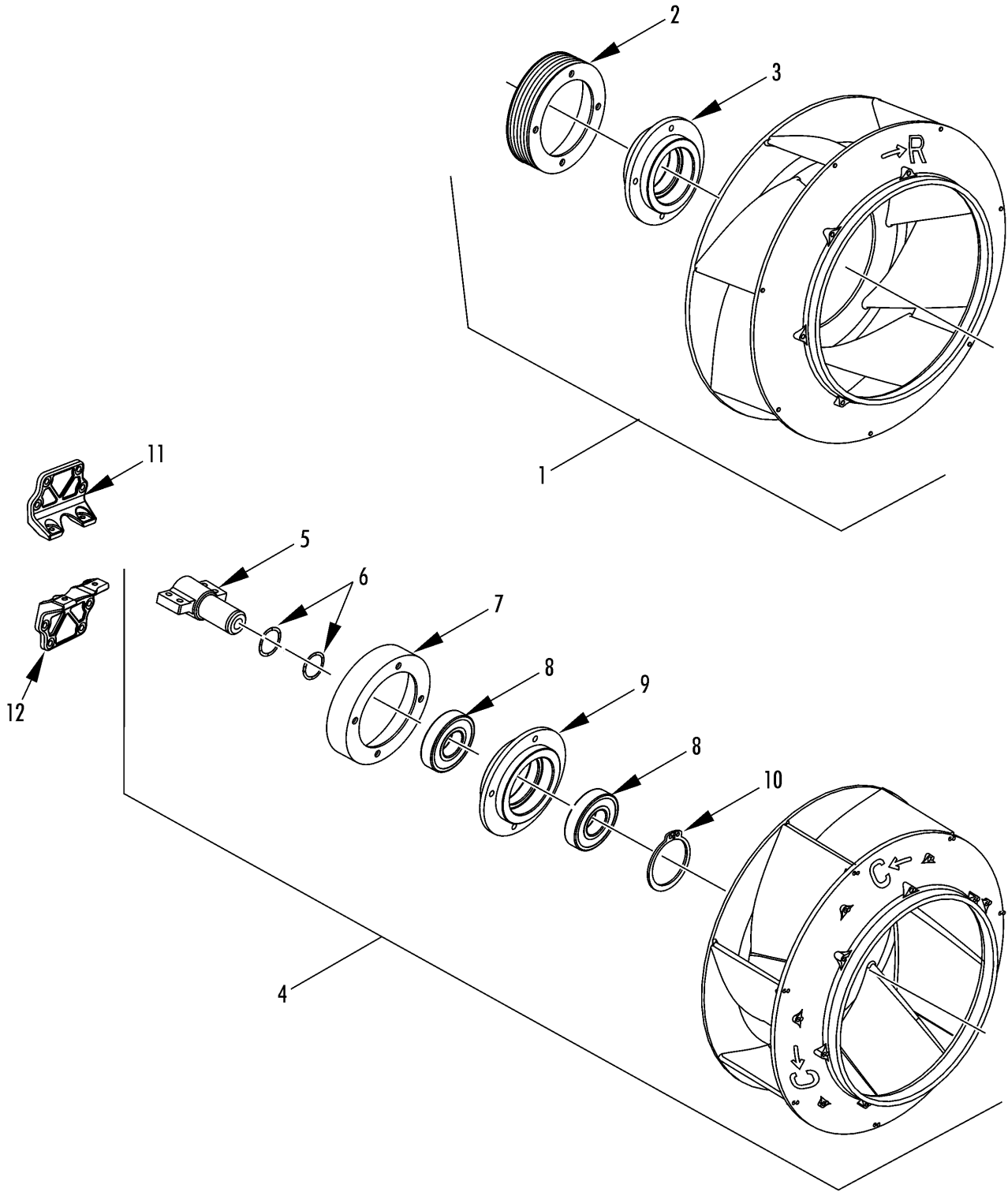
Revised
11/16/12

ENGINE MOUNT



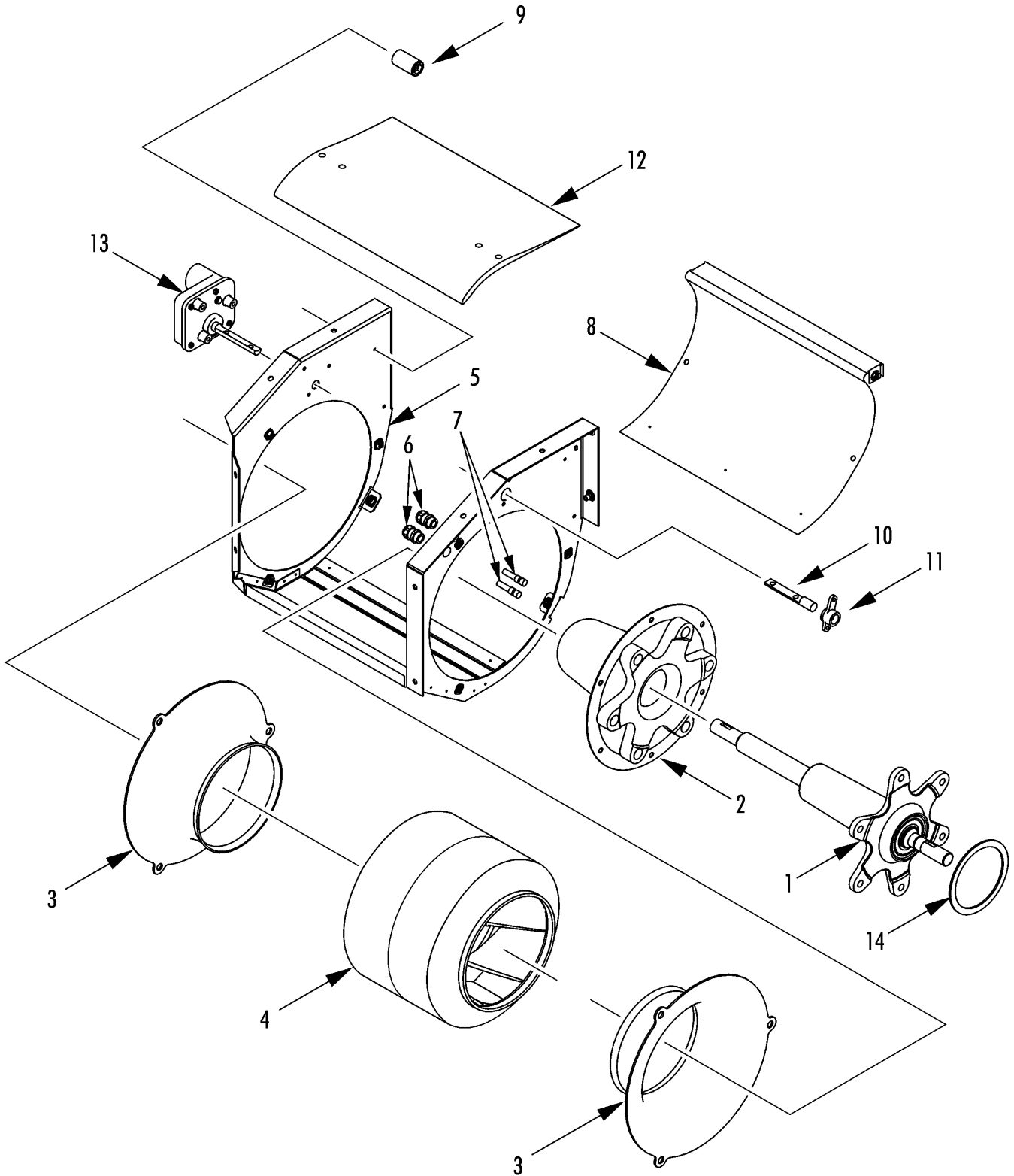
225E8

REF	PART NO.	DESCRIPTION	QTY
	51-2003	SCREW - shield	3





REF	PART NO.	DESCRIPTION	QTY
1	78-1618	BLOWER - upper	1
2	77-2928	*PULLEY - blower	1
	55-6215	*SCREW - pulley	4
	55-7727	*LOCKWASHER	4
	55-4613	*FLATWASHER	4
3	77-2911	*HUB - blower	1
	55-7080	*SCREW - hub to shaft	2
	55-7727	*LOCKWASHER	2
	55-4613	*FLATWASHER	2
4	78-1619	BLOWER - lower	1
5	77-2899	*SPINDLE - blower	1
	51-1438	*SCREW - spindle (30mm)	4
6	51-1687	*WASHER - wave	2
7	77-2929	*PULLEY - blower	1
8	77-2779	*BEARING - blower	2
9	77-2930	*HUB - blower	1
10	55-9957	*RING - snap	1
	203-527	*GREASE	A/R
	51-898	SCREW - spindle to bracket	4
	55-7727	LOCKWASHER	4
	55-7069	FLATWASHER	4
11	92-6504	BRACKET - spindle support (upper)	1
12	92-6770	BRACKET - spindle support (lower, before 7/10)	1
	55-5424	SCREW - bracket	7
	55-7727	LOCKWASHER	7
	55-7069	FLATWASHER	7



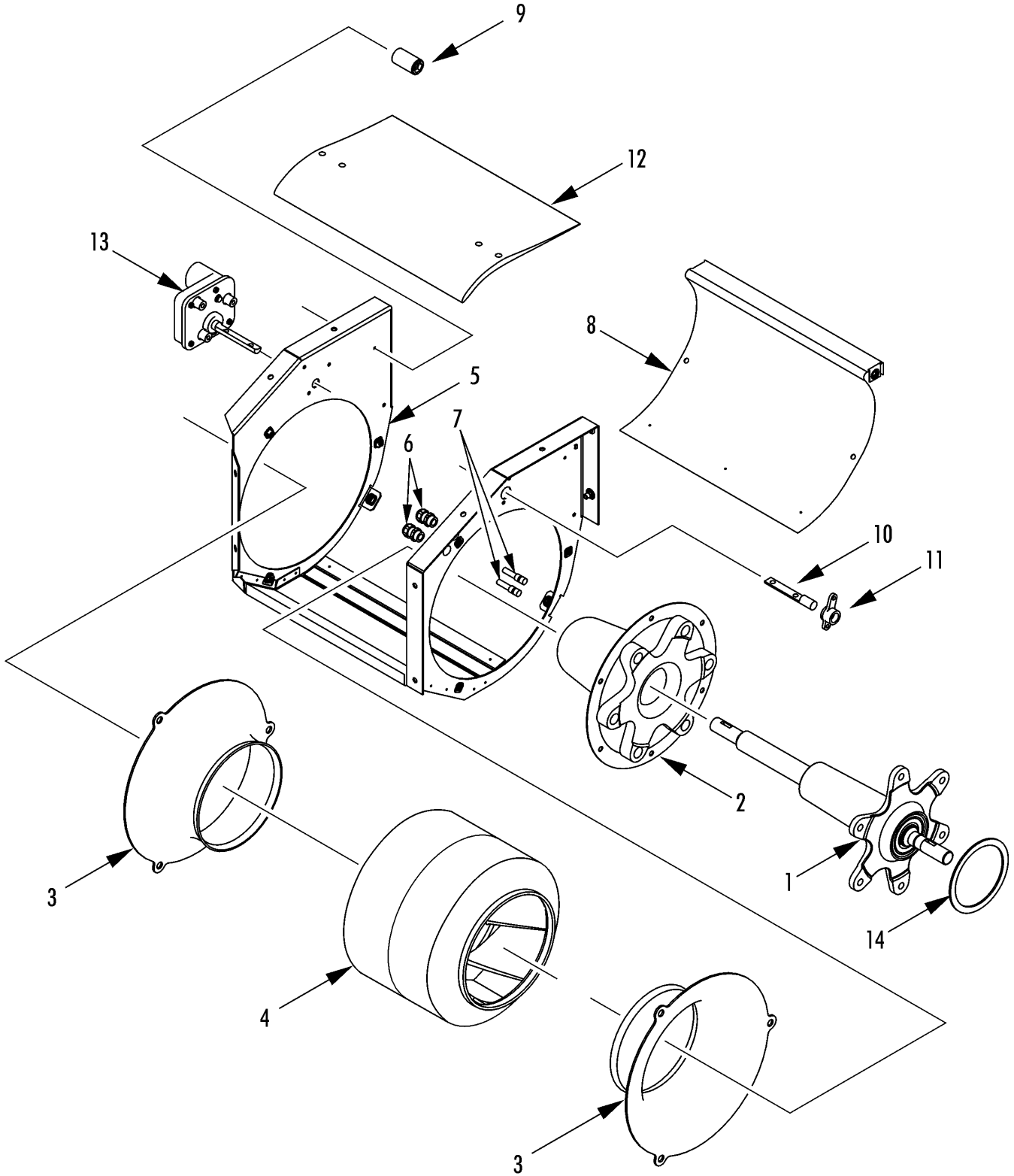
EVAPORATOR BLOWER



225D11

Revised
08/16/12

REF	PART NO.	DESCRIPTION	QTY
1	78-1615	FANSHAFT ASSEMBLY (see 225D13)	1
	55-7004	SCREW - fanshaft	6
	55-1173	LOCKWASHER	6
	55-7072	FLATWASHER	6
2	92-6499	SHIELD - insulation	1
	51-718	SCREW - shield	6
	55-3045	WASHER - dome	6
3	77-2910	INLET - evaporator blower	2
	55-9761	SCREW - inlet	6
	55-3045	WASHER - dome	6
4	78-1616	BLOWER - evaporator	1
	55-457	*KEY - hub	1
	55-7080	*SCREW - blower to shaft	2
	55-7342	*LOCKWASHER	2
	55-7085	*FLATWASHER	2
5	98-8184	HOUSING - blower	1
	55-7828	SCREW - housing (35mm)	4
	55-6993	SCREW - housing (25mm)	5
	55-7342	LOCKWASHER	9
	55-7085	FLATWASHER	9
6	55-5111	CONNECTOR - sensor	2
7	40-974	KIT - sensor (part of main harness)	2
8	92-6502	PANEL - scroll	1
	55-9761	SCREW - panel	4
9	91-3599	STOP - damper	2
	55-9002	SCREW - damper stop	2
	51-717	NUT	2
10	92-6501	SHAFT - damper blade	1
	55-8559	SCREW - shaft	4
	55-7342	LOCKWASHER	4
11	92-6500	BUSHING - damper pivot	1
	55-9761	SCREW - bushing	2
	55-6995	FLATWASHER	2



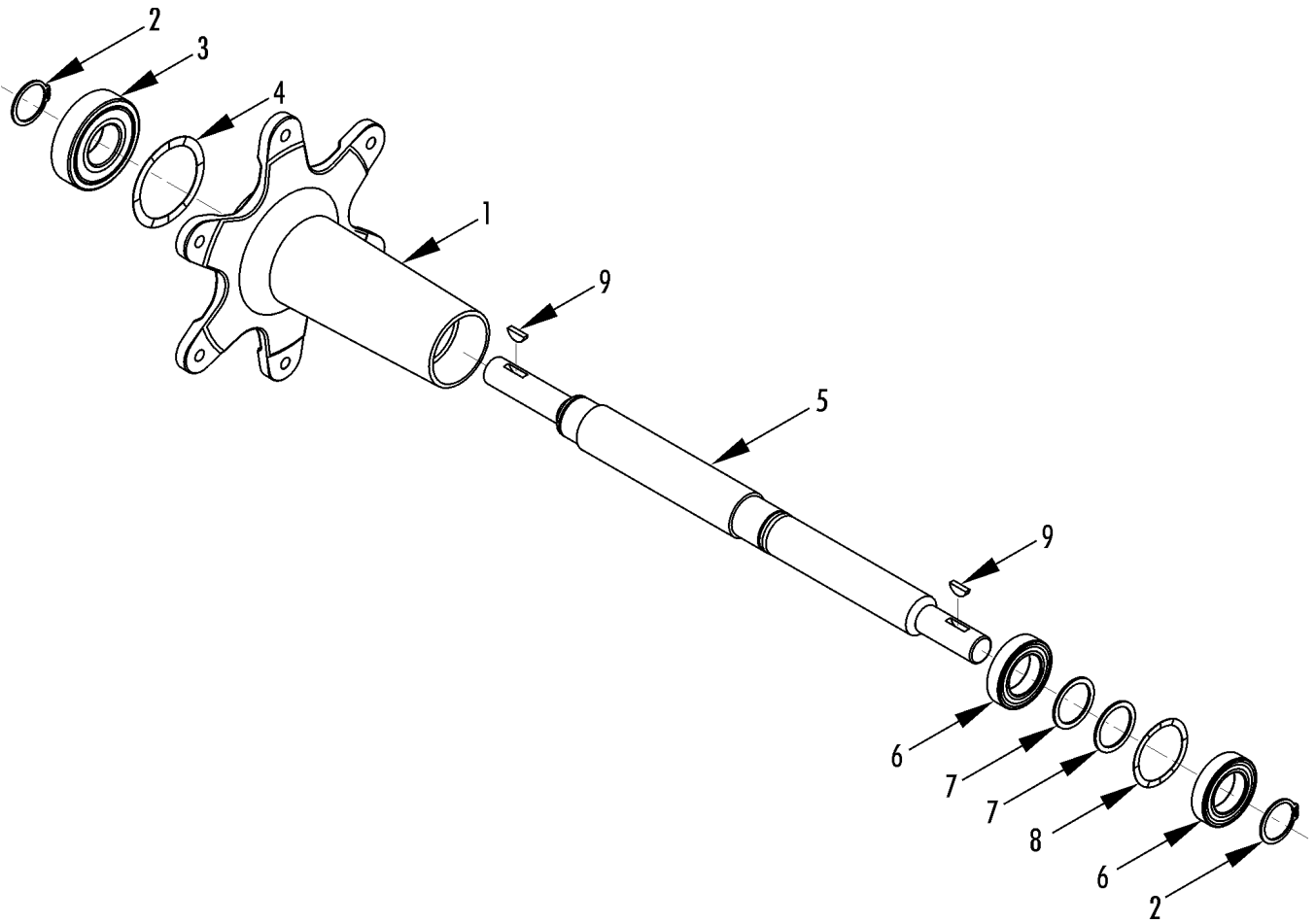
EVAPORATOR BLOWER



225D11

Revised
08/16/12

REF	PART NO.	DESCRIPTION	QTY
	55-7042	NUT	2
12	92-6544	BLADE - damper	1
13	41-7852	MOTOR - damper	1
	51-718	SCREW - motor	3
14	33-4514	SEAL - fanshaft	1



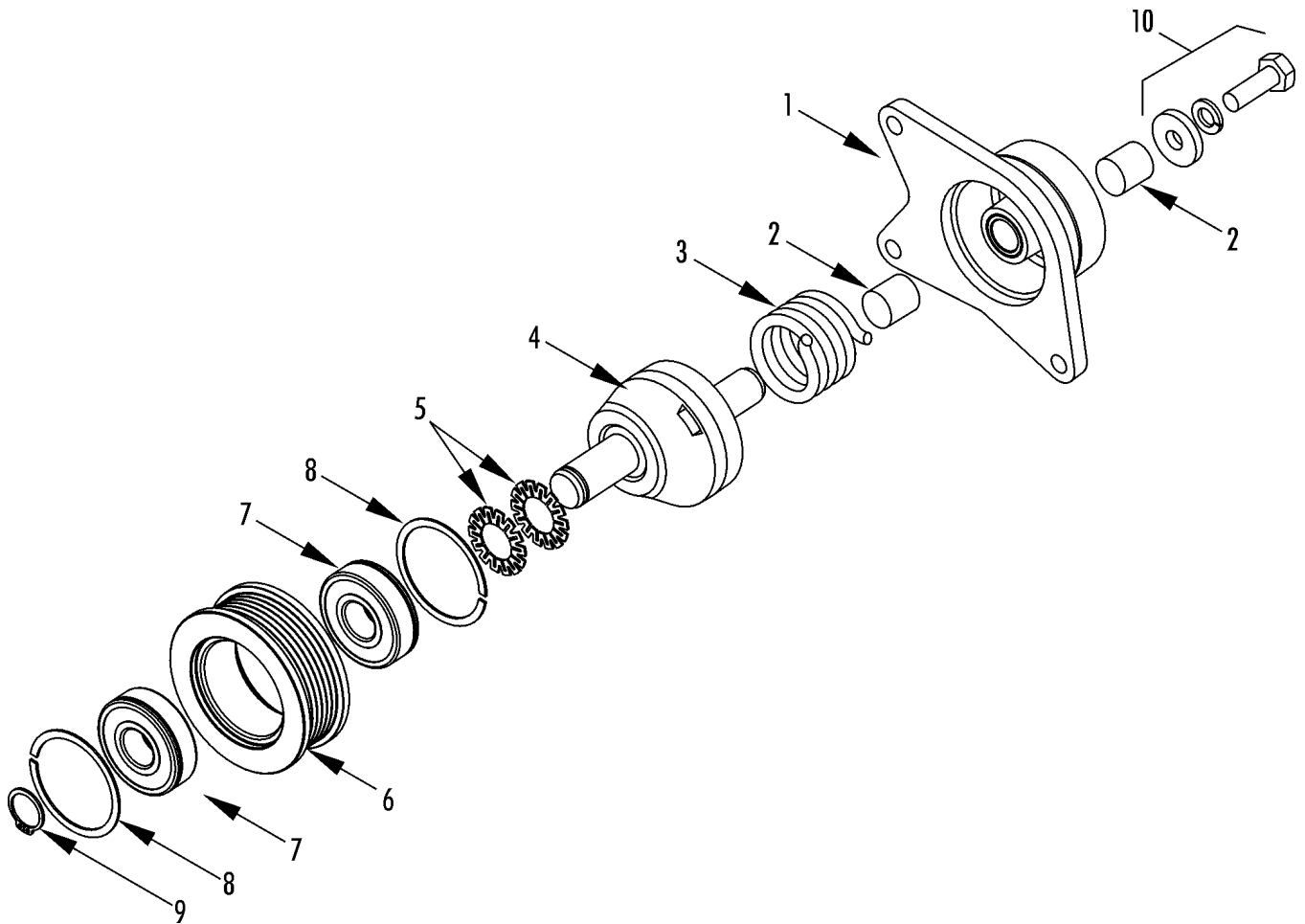
Revised
11/16/12

FANSHAFT



225D13

REF	PART NO.	DESCRIPTION	QTY
	78-1615	FANSHAFT ASSEMBLY	1
1	NSS	HOUSING - fanshaft	1
2	51-1685	RING - snap	2
3	77-3087	BEARING	1
4	51-1684	WASHER - wave	1
5	77-2896	SHAFT - fan	1
6	77-3086	BEARING	2
7	51-1682	WASHER	2
8	51-1683	WASHER - wave	1
9	55-457	KEY	1
	203-527	GREASE	A/R



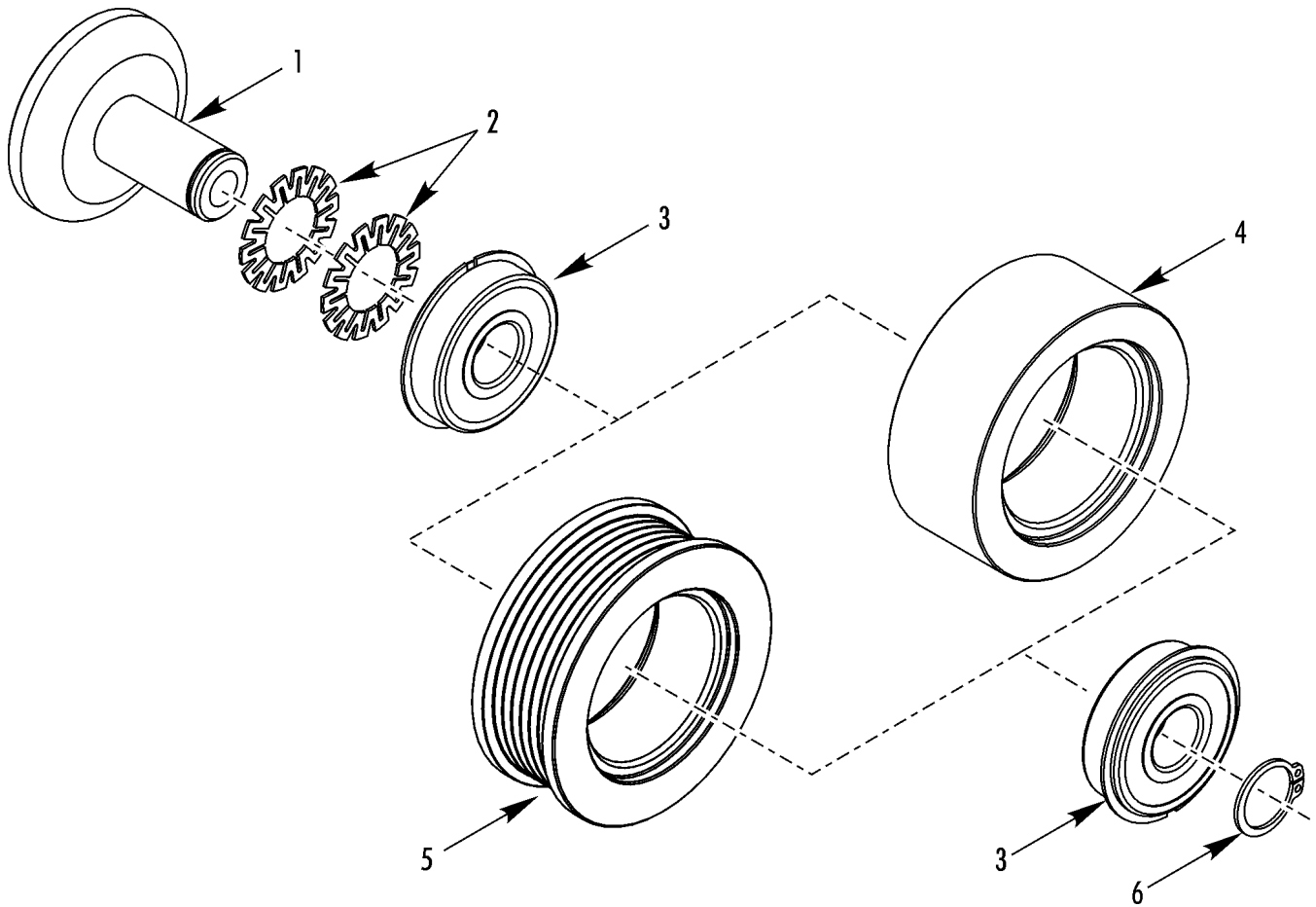
Revised
01/15/11

TENSIONER BLOWER DRIVE



225D12

REF	PART NO.	DESCRIPTION	QTY
	78-1620	TENSIONER - fan drive belt	1
1	77-2924	*BASE - tensioner	1
2	77-2688	**BUSHING - plain	1
	77-2689	**BUSHING - flange	1
3	77-2683	*SPRING	1
4	77-2684	*ARM - tensioner	1
5	55-9959	*WASHER (internal/external tooth)	2
6	78-1622	*PULLEY - idler	1
7	77-2778	**BEARING	2
8	NSS	***RING - snap	2
9	55-9960	*RING - snap	1
	203-527	*GREASE	A/R
10	55-7355	*SCREW - arm	1
	55-4931	*WASHER - special	1
	55-7347	*LOCKWASHER	1

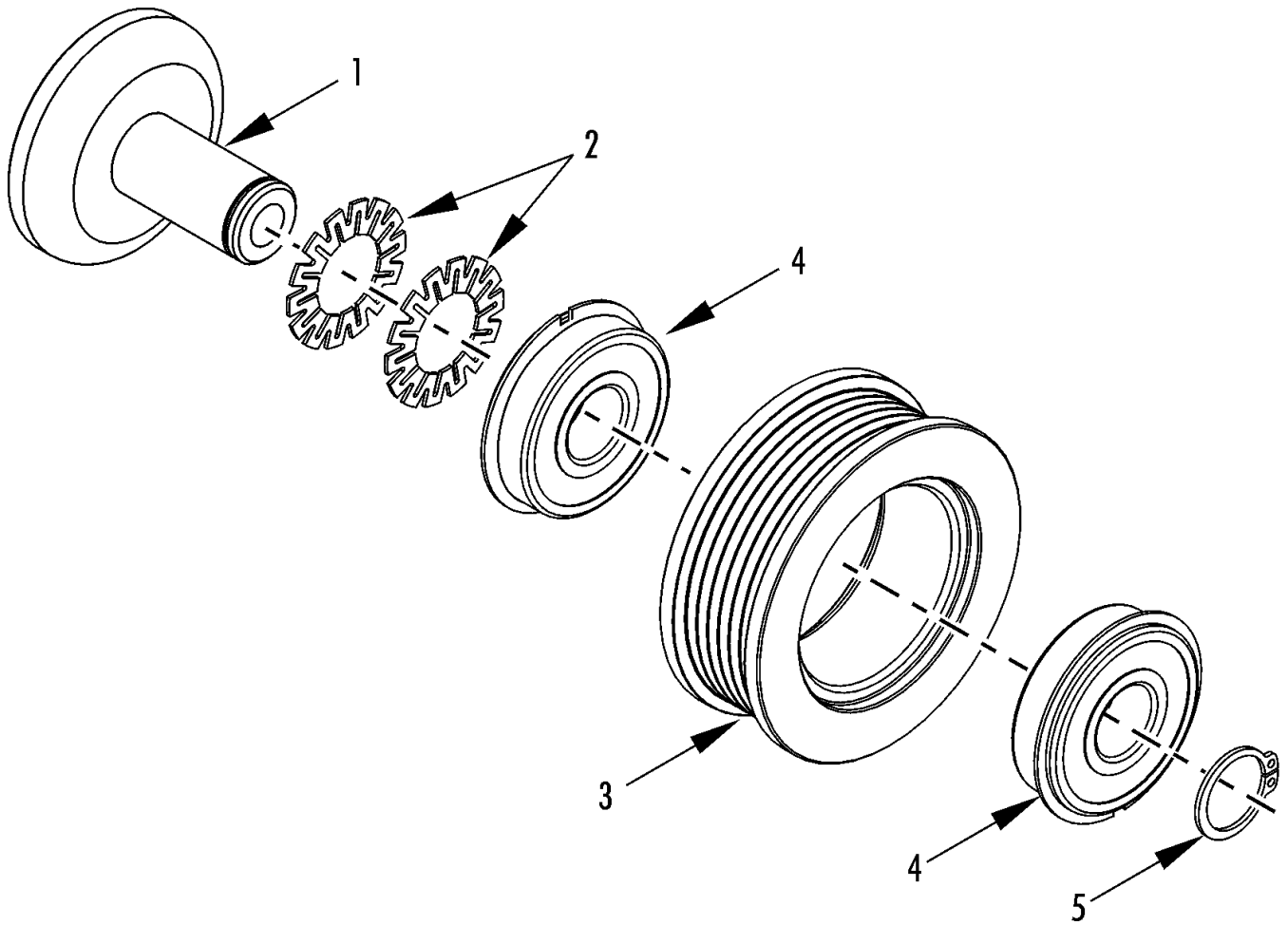


Revised
01/15/11



225E3

REF	PART NO.	DESCRIPTION	QTY
	77-2900	IDLER - pulley (smooth pulley)	1
	77-2901	IDLER - pulley (grooved pulley)	1
1	NSS	*SPINDLE	1
2	55-9959	*WASHER	2
3	77-2778	*BEARING	2
4	78-1621	*PULLEY - idler (smooth)	1
5	78-1622	*PULLEY - idler (grooved)	1
6	55-9960	*RING - snap	1
	203-527	*GREASE	A/R



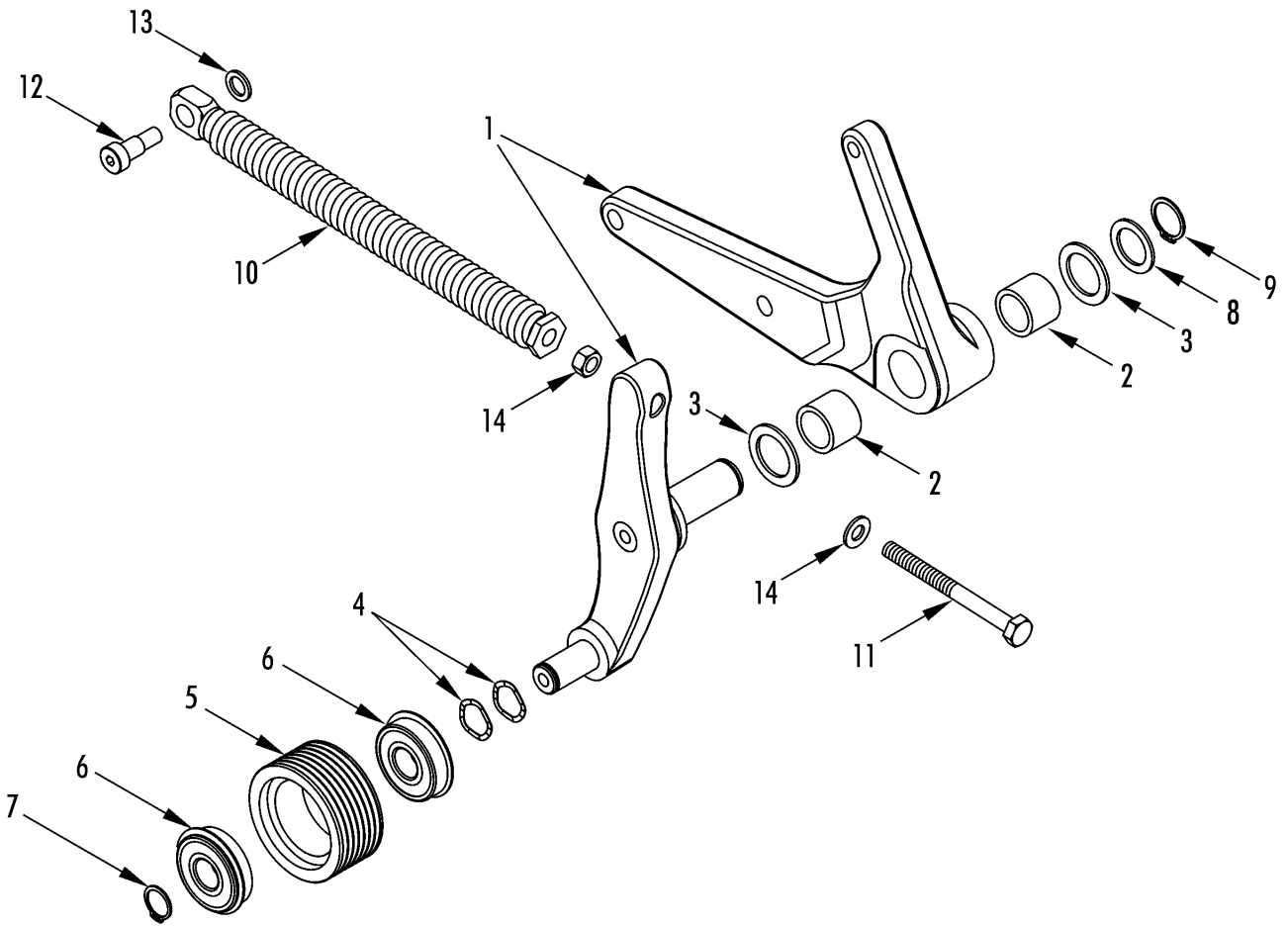
Revised
01/15/11

IDLER CLUTCH



225E4

REF	PART NO.	DESCRIPTION	QTY
	78-1623	IDLER - clutch	1
1	NSS	*SPINDLE	1
2	55-9959	*WASHER	2
3	77-3026	*PULLEY - clutch	1
4	77-2778	*BEARING	2
5	55-9960	*RING - snap	1
	203-527	*GREASE	A/R



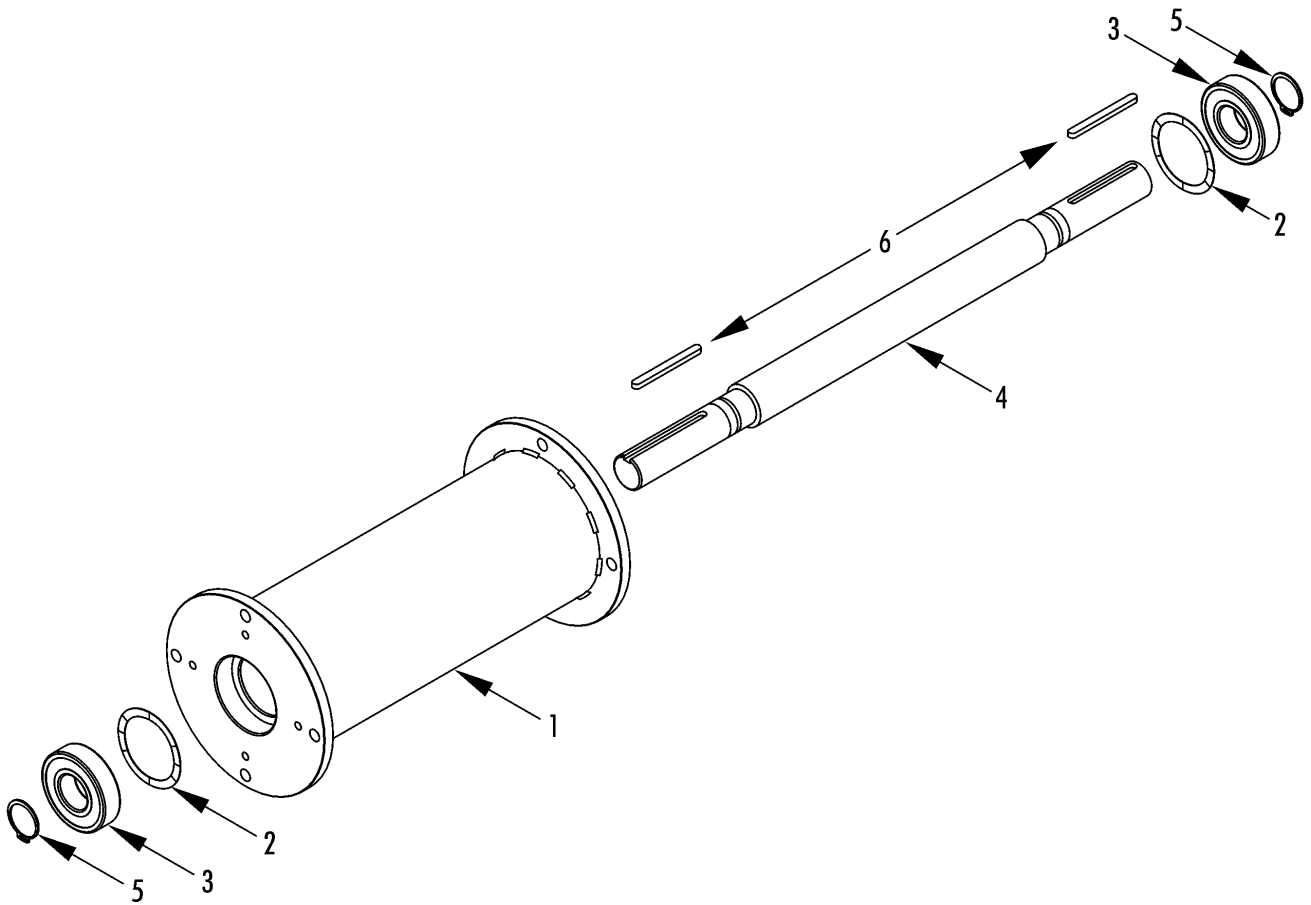
TENSIONER CLUTCH



225E2

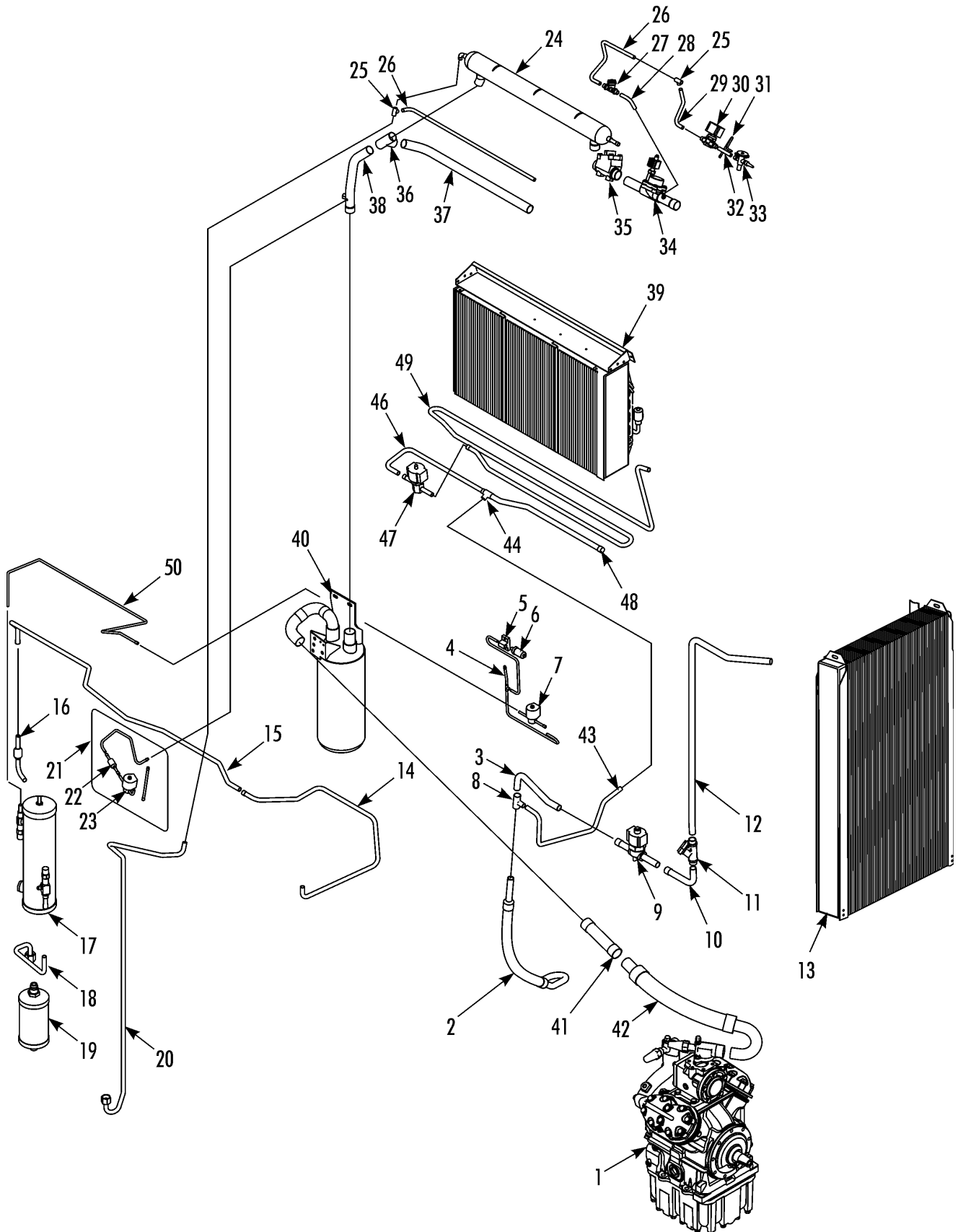
Revised
11/12/11

REF	PART NO.	DESCRIPTION	QTY
	78-1791	TENSIONER - clutch	1
1	NSS	*BASE & Arm	1
	55-2120	**FITTING - grease	1
2	77-2913	**BUSHING	2
3	51-1736	*WASHER - thrust	2
4	51-1690	*WASHER - wave	2
5	77-3038	*PULLEY	1
6	77-2778	*BEARING (includes snap ring)	2
7	55-9960	*RING - snap	1
	203-527	*GREASE	A/R
8	51-1985	*WASHER - support	1
9	51-1691	*RING - snap	1
10	77-2905	*SPRING	1
11	51-2146	*SCREW - spring	1
12	51-1735	*BOLT - shoulder	1
13	55-7024	*FLATWASHER	2
14	55-6573	*NUT	1
	204-1879	TOOL - bearing	1
	204-1880	TOOL - bearing	1



CROSS SHAFT (30 units)**226C2**Revised
03/21/12

REF	PART NO.	DESCRIPTION	QTY
	78-1696	CROSS DRIVE ASSEMBLY	1
1	NSS	HOUSING	1
2	55-9958	WASHER - wave	1
3	77-3033	BEARING	2
4	77-2918	SHAFT	1
5	55-9957	RING - snap	2
6	51-1748	KEY	2



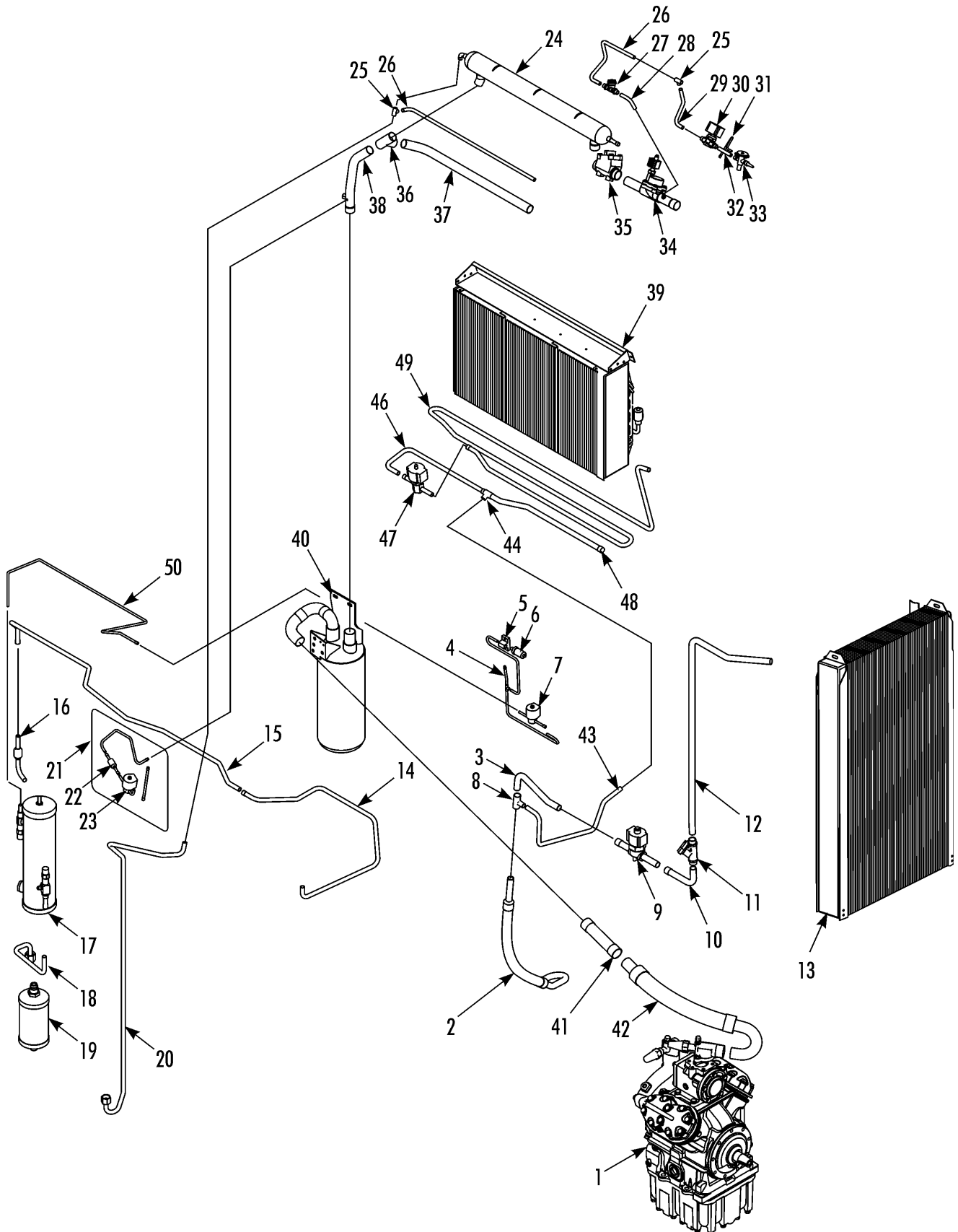
REFRIGERATION COMPONENTS SPECTRUM SLX



235C3

Revised
09/17/12

REF	PART NO.	DESCRIPTION	QTY
1	102-902	COMPRESSOR (X430 LS C5, see 230C8)	1
	8102-902	COMPRESSOR - reman (X430 LS C5, see 230C8)	1
2	61-4127	VIBRASORBER - discharge	1
3	61-4596	TUBE - tee to solenoid	1
4	61-4600	TUBE - transducer	1
5	66-9246	*FITTING - transducer	1
6	41-7962	TRANSDUCER - discharge	1
7	66-7636	SOLENOID - receiver	1
8	55-3518	TEE (3/4 3/4 1/2)	1
9	61-1300	SOLENOID - condenser	1
10	61-4597	TUBE - solenoid to check valve	1
11	66-6586	VALVE - check (condenser)	1
12	61-4598	TUBE - 3-way to condenser coil	1
13	67-2332	COIL - condenser/radiator	1
14	61-4140	TUBE - condenser to joint	1
15	61-4613	TUBE - joint to check valve	1
16	61-4269	VALVE - check	1
17	67-2336	TANK - receiver	1
18	61-4128	TUBE - receiver to dehydrator	1
19	61-600	DEHYDRATOR	1
20	61-4142	TUBE - dehydrator to joint	1
21	61-4601	TUBE ASSEMBLY - purge solenoid	1
22	66-3653	*VALVE - check	1
23	66-8560	*SOLENOID - purge	1
	41-1521	**COIL	1
24	67-2785	HEAT EXCHANGER (first tube out)	1
25	55-2296	*TEE	2
26	61-4604	*TUBE - tee to check valve	1
27	66-3655	*VALVE - check	1
28	61-4603	*TUBE - check valve to suction	1
29	61-4605	*TUBE - tee to solenoid	1
30	61-2454	*SOLENOID - liquid	1
31	61-4607	*TUBE - equalizer	1



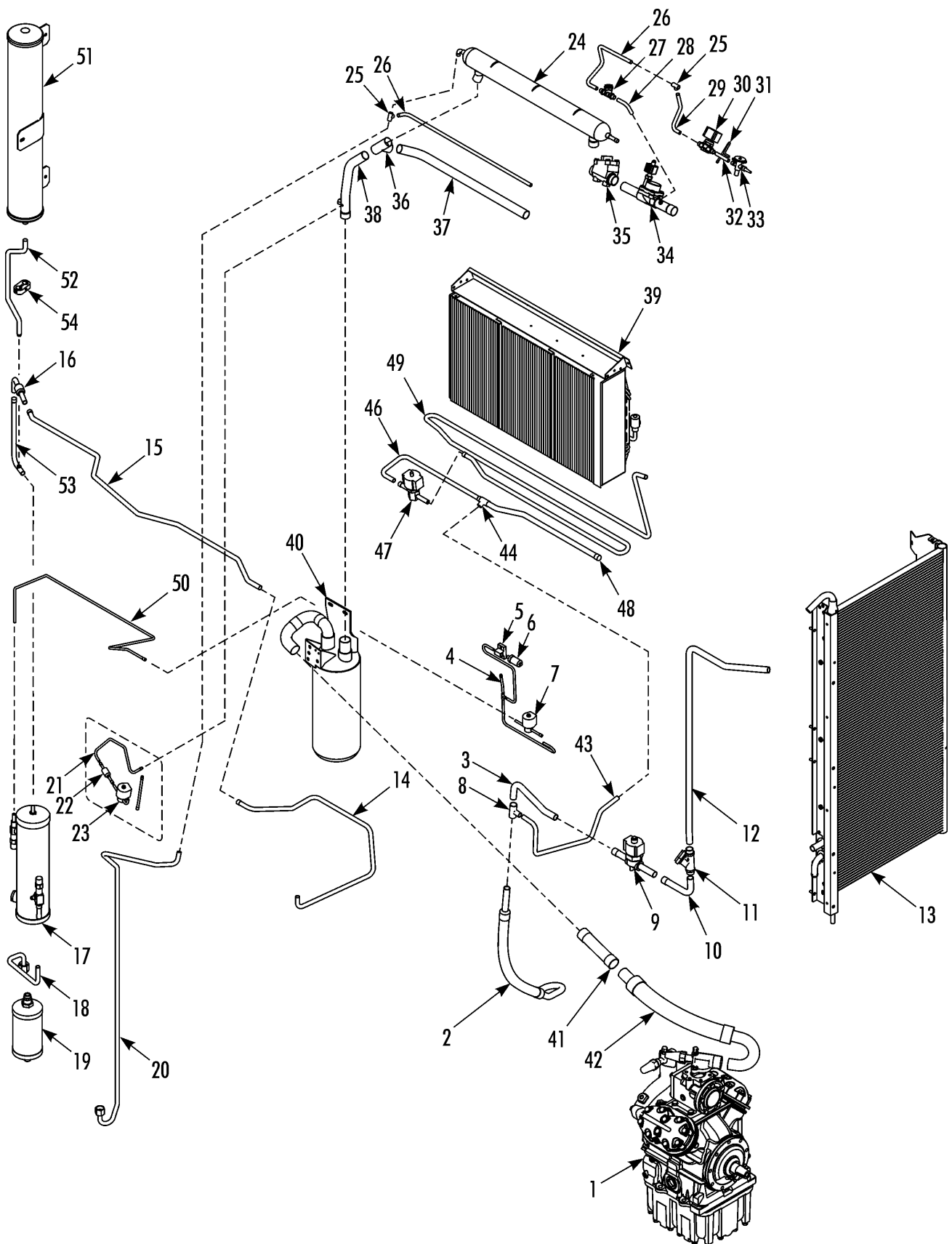
REFRIGERATION COMPONENTS SPECTRUM
SLX



235C3

Revised
09/17/12

REF	PART NO.	DESCRIPTION	QTY
32	61-4606	*TUBE - solenoid to expansion valve	1
33	61-3679	*VALVE - expansion	1
	66-6380	*FILTER - inlet	1
	66-4453	*FILTER - outlet	1
34	61-3845	*VALVE - suction (see 138B13)	1
35	66-4594	*VALVE - check (suction, see 106C14)	1
36	55-3109	*TEE - suction	1
37	61-4610	*TUBE - suction (remote unit)	1
38	61-4602	*TUBE - tee to accumulator	1
39	67-2413	COIL - evaporator	1
40	67-2335	TANK - accumulator	1
	66-602	ELBOW	1
41	61-4233	TUBE - accumulator to vibrasorber	1
42	61-4126	VIBRASORBER - suction	1
43	61-4599	TUBE - tee to tee (hot gas)	1
44	66-5212	TEE (5/8 1/2 1/2)	1
46	61-4593	TUBE - tee to solenoid	1
47	61-3401	SOLENOID - defrost (see 116G14)	1
48	61-4594	TUBE - defrost (remote unit)	1
49	61-4614	TUBE - serpentine	1
50	61-4595	TUBE - check valve to solenoid	1



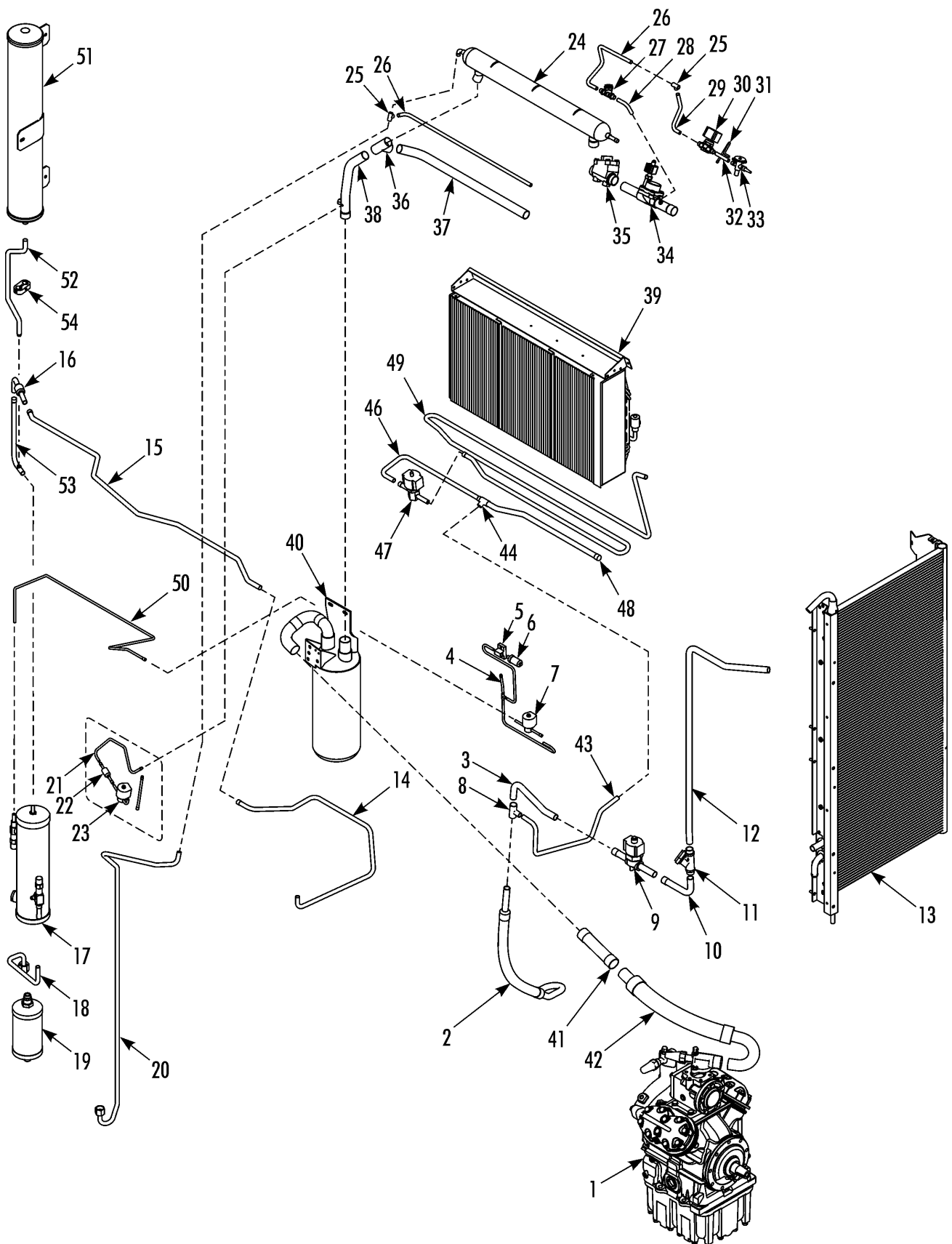
REFRIGERATION COMPONENTS SPECTRUM
SLX (Micro Channel Coil)



256F4

Revised
09/17/12

REF	PART NO.	DESCRIPTION	QTY
1	102-902	COMPRESSOR (X430 LS C5, see 230C8)	1
	8102-902	COMPRESSOR - reman (X430 LS C5, see 230C8)	1
2	61-4127	VIBRASORBER - discharge	1
3	61-4596	TUBE - tee to solenoid	1
4	61-4600	TUBE - transducer	1
5	66-9246	*FITTING - transducer	1
6	41-7962	TRANSDUCER - discharge	1
7	66-7636	SOLENOID - receiver	1
8	55-3518	TEE (3/4 3/4 1/2)	1
9	61-1300	SOLENOID - condenser	1
10	61-4597	TUBE - solenoid to check valve	1
11	66-6586	VALVE - check (condenser)	1
12	61-5105	TUBE - 3-way to condenser coil	1
13	67-2481	COIL - condenser/radiator (micro channel coil)	1
	67-2474	*COIL - condenser (micro channel coil)	1
14	61-5103	TUBE - condenser to joint	1
15	61-5797	TUBE - joint to check valve	1
16	61-4269	VALVE - check	1
17	67-2336	TANK - receiver	1
18	61-4128	TUBE - receiver to dehydrator	1
19	61-600	DEHYDRATOR	1
20	61-4142	TUBE - dehydrator to joint	1
21	61-4601	TUBE ASSEMBLY - purge solenoid	1
22	66-8669	*VALVE - check	1
23	66-8560	*SOLENOID - purge	1
	41-1521	**COIL	1
24	67-2785	HEAT EXCHANGER (first tube out)	1
25	55-2296	*TEE	2
26	61-4604	*TUBE - tee to check valve	1
27	66-3655	*VALVE - check	1
28	61-4603	*TUBE - check valve to suction	1
29	61-4605	*TUBE - tee to solenoid	1
30	61-2454	*SOLENOID - liquid	1



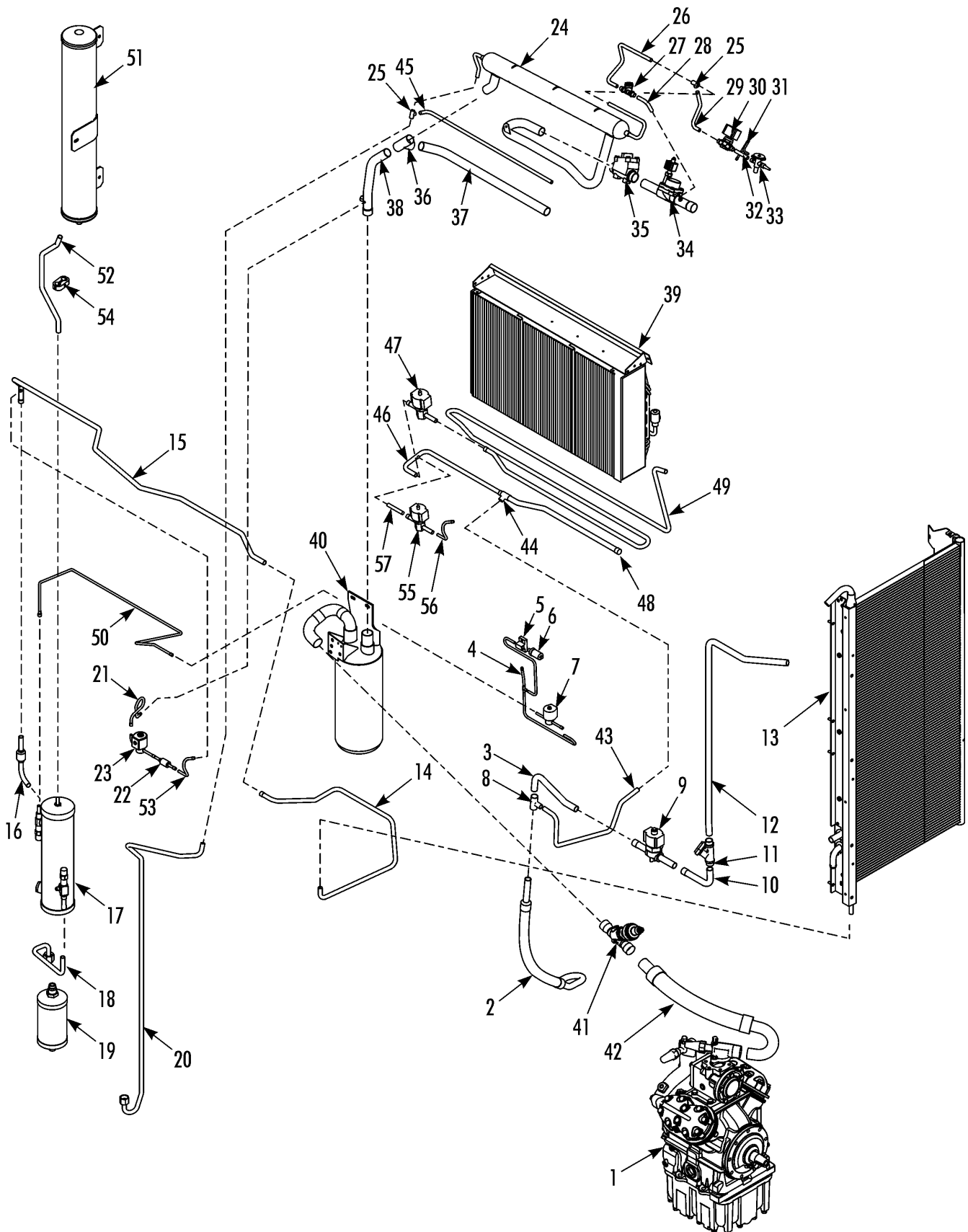
REFRIGERATION COMPONENTS SPECTRUM
SLX (Micro Channel Coil)



256F4

Revised
09/17/12

REF	PART NO.	DESCRIPTION	QTY
31	61-4607	*TUBE - equalizer	1
32	61-4606	*TUBE - solenoid to expansion valve	1
33	61-3679	*VALVE - expansion	1
	66-6380	*FILTER - inlet	1
	66-4453	*FILTER - outlet	1
34	61-3845	*VALVE - suction (see 138B13)	1
35	66-4594	*VALVE - check (suction, see 106C14)	1
36	55-3109	*TEE - suction	1
37	61-4610	*TUBE - suction (remote unit)	1
38	61-4602	*TUBE - tee to accumulator	1
39	67-2413	COIL - evaporator	1
40	67-2335	TANK - accumulator	1
	66-602	ELBOW	1
41	61-4233	TUBE - accumulator to vibrasorber	1
42	61-4126	VIBRASORBER - suction	1
43	61-4599	TUBE - tee to tee (hot gas)	1
44	66-5212	TEE (5/8 1/2 1/2)	1
46	61-4593	TUBE - tee to solenoid	1
47	61-3401	SOLENOID - defrost (see 116G14)	1
48	61-4594	TUBE - defrost (remote unit)	1
49	61-4614	TUBE - serpentine	1
50	61-4595	TUBE - check valve to solenoid	1
51	67-2690	TANK - receiver (auxiliary)	1
	51-718	SCREW - tank	3
52	61-5800	TUBE - secondary receiver tank	1
53	61-5801	TUBE - check valve to receiver tank	1
54	91-445	CLAMP - tube	2
	55-8464	SCREW - clamp	1
	55-7075	FLATWASHER	2
	55-7042	NUT	1



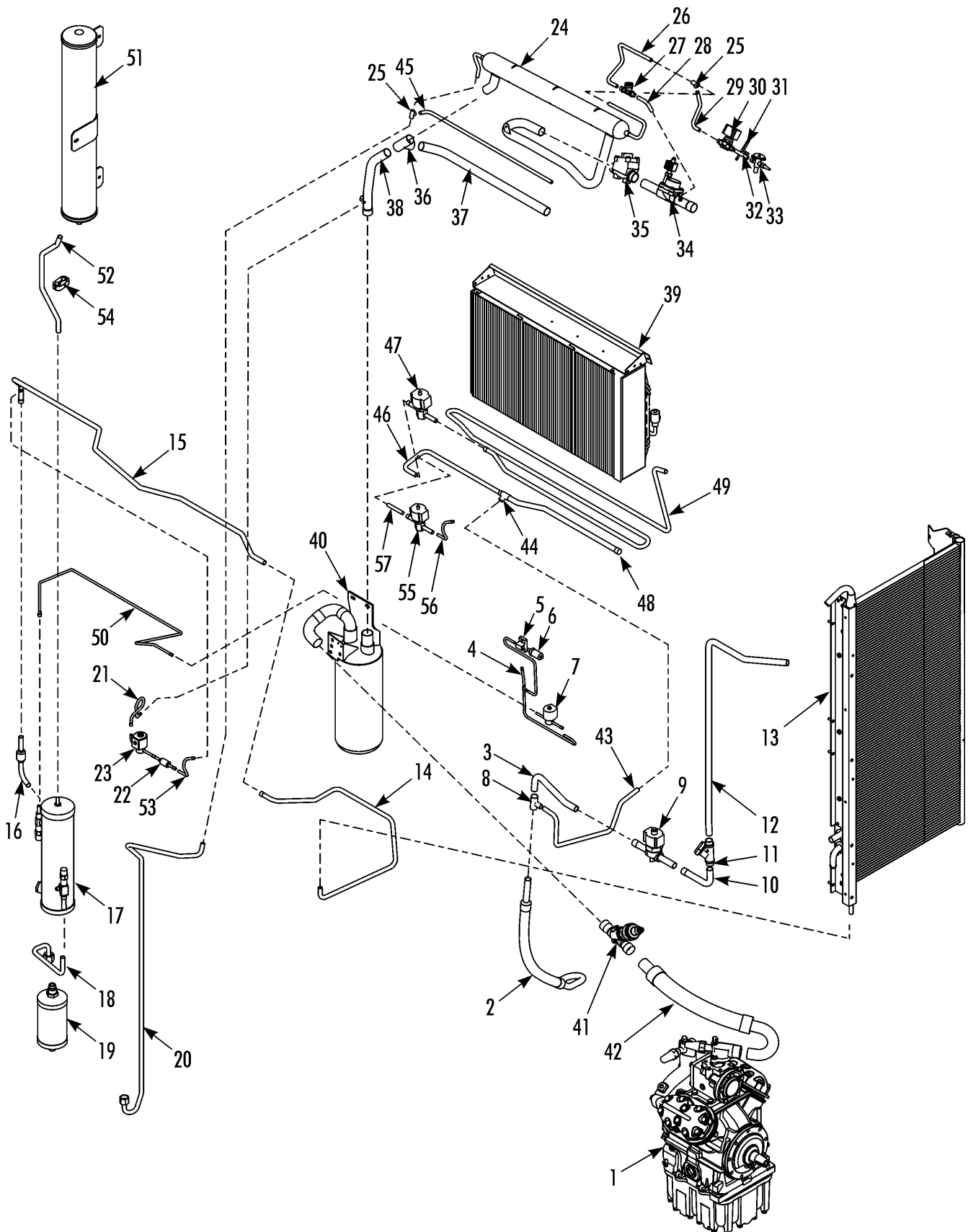
REFRIGERATION COMPONENTS SPECTRUM
SLX (ETV)



259F6

Revised
12/07/12

REF	PART NO.	DESCRIPTION	QTY
1	102-902	COMPRESSOR (X430 LS C5, see 230C8)	1
	8102-902	COMPRESSOR - reman (X430 LS C5, see 230C8)	1
2	61-4127	VIBRASORBER - discharge	1
3	61-4596	TUBE - tee to solenoid	1
4	61-4600	TUBE - transducer	1
5	66-9246	*FITTING - transducer	1
6	41-7962	TRANSDUCER - discharge	1
7	66-7636	SOLENOID - receiver	1
8	55-3518	TEE (3/4 3/4 1/2)	1
9	61-1300	SOLENOID - condenser	1
10	61-4597	TUBE - solenoid to check valve	1
11	66-6586	VALVE - check (condenser)	1
12	61-5105	TUBE - 3-way to condenser coil	1
13	67-2481	COIL - condenser/radiator (micro channel coil)	1
	67-2474	*COIL - condenser (micro channel coil)	1
14	61-5103	TUBE - condenser to joint	1
15	61-6050	TUBE - joint to check valve	1
16	61-4269	VALVE - check	1
17	67-2713	TANK - receiver	1
18	61-4128	TUBE - receiver to dehydrator	1
19	61-600	DEHYDRATOR	1
20	61-4142	TUBE - dehydrator to joint	1
21	61-6060	TUBE - inlet	1
22	66-8669	VALVE - check	1
23	66-8560	SOLENOID - purge	1
	41-1521	*COIL	1
24	67-2785	HEAT EXCHANGER (first tube out)	1
25	55-2296	TEE	2
26	61-4604	TUBE - tee to check valve	1
27	66-3655	VALVE - check	1
28	61-4603	TUBE - check valve to suction	1
29	61-4605	TUBE - tee to solenoid	1
30	61-2454	SOLENOID - liquid	1



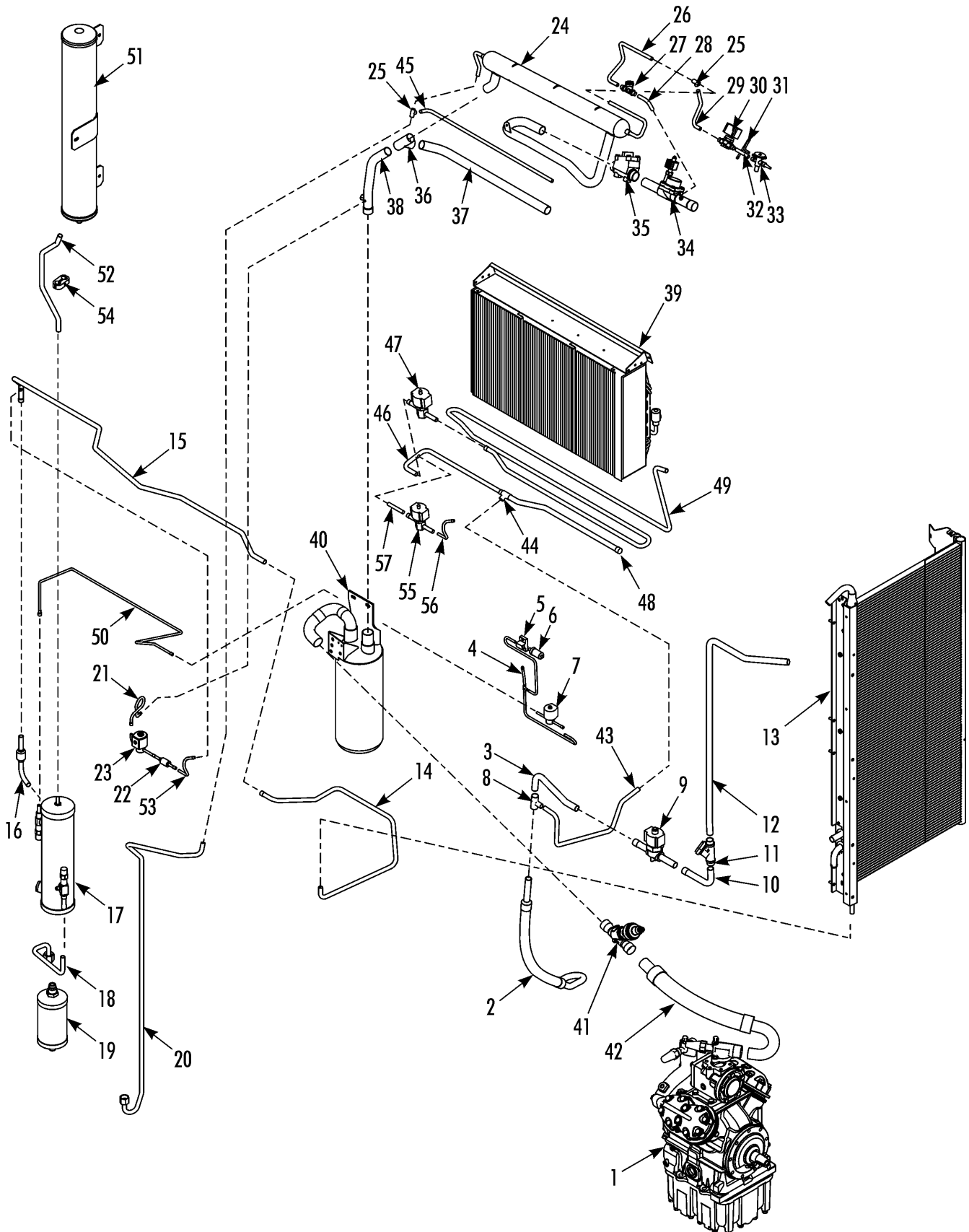
REFRIGERATION COMPONENTS SPECTRUM
SLX (ETV)



259F6

Revised
12/07/12

REF	PART NO.	DESCRIPTION	QTY
31	61-4607	TUBE - equalizer	1
32	61-4606	TUBE - solenoid to expansion valve	1
33	61-3679	VALVE - expansion	1
	66-6380	FILTER - inlet	1
	66-4453	FILTER - outlet	1
34	61-3845	VALVE - suction (see 138B13)	1
35	66-4594	VALVE - check (suction, see 106C14)	1
36	55-3109	TEE - suction	1
37	61-4610	TUBE - suction (remote unit)	1
38	61-6053	TUBE - tee to accumulator	1
39	67-2413	COIL - evaporator	1
40	67-2747	TANK - accumulator	1
41	61-4253	VALVE - throttling (electric)	1
	40-997	*KIT - valve repair	1
42	61-4126	VIBRASORBER - suction	1
43	61-4599	TUBE - tee to tee (hot gas)	1
44	66-5212	TEE (5/8 1/2 1/2)	1
46	61-6054	TUBE - tee to solenoid	1
47	61-3401	SOLENOID - defrost (see 116G14)	1
48	61-4614	TUBE - defrost (remote unit)	1
49	61-6057	TUBE - serpentine	1
50	61-6108	TUBE - solenoid to receiver	1
51	67-2690	TANK - receiver (auxiliary)	1
	51-718	SCREW - tank	3
52	61-6058	TUBE - secondary receiver tank	1
53	61-6059	TUBE - outlet	1
54	91-445	CLAMP - tube	2
	55-8464	SCREW - clamp	1
	55-7075	FLATWASHER	2
	55-7042	NUT	1
55	61-4132	SOLENOID - hot gas	1
	41-3681	*COIL - valve	1
56	61-6056	TUBE - elbow (ETV)	1



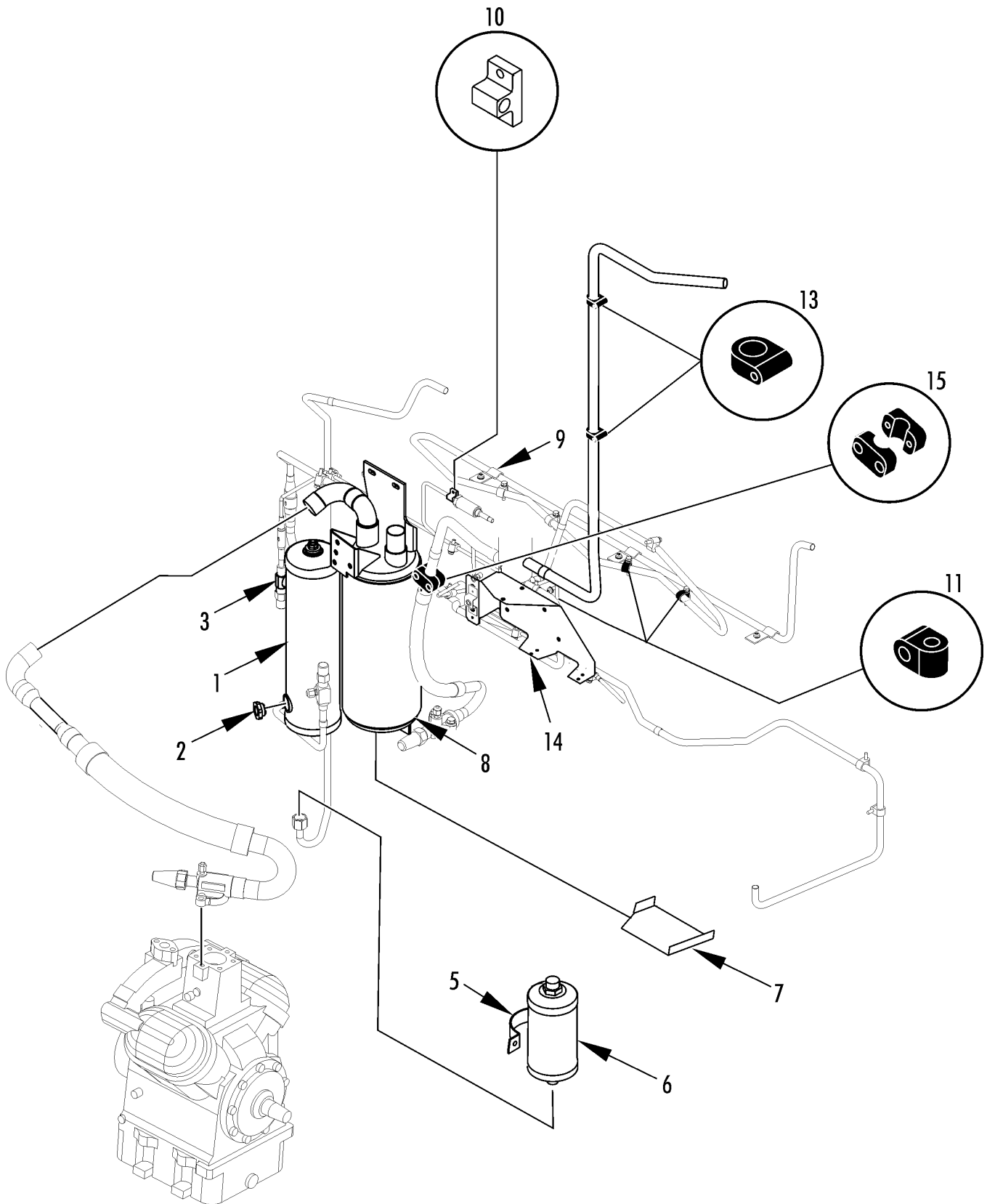
REFRIGERATION COMPONENTS SPECTRUM
SLX (ETV)



259F6

Revised
12/07/12

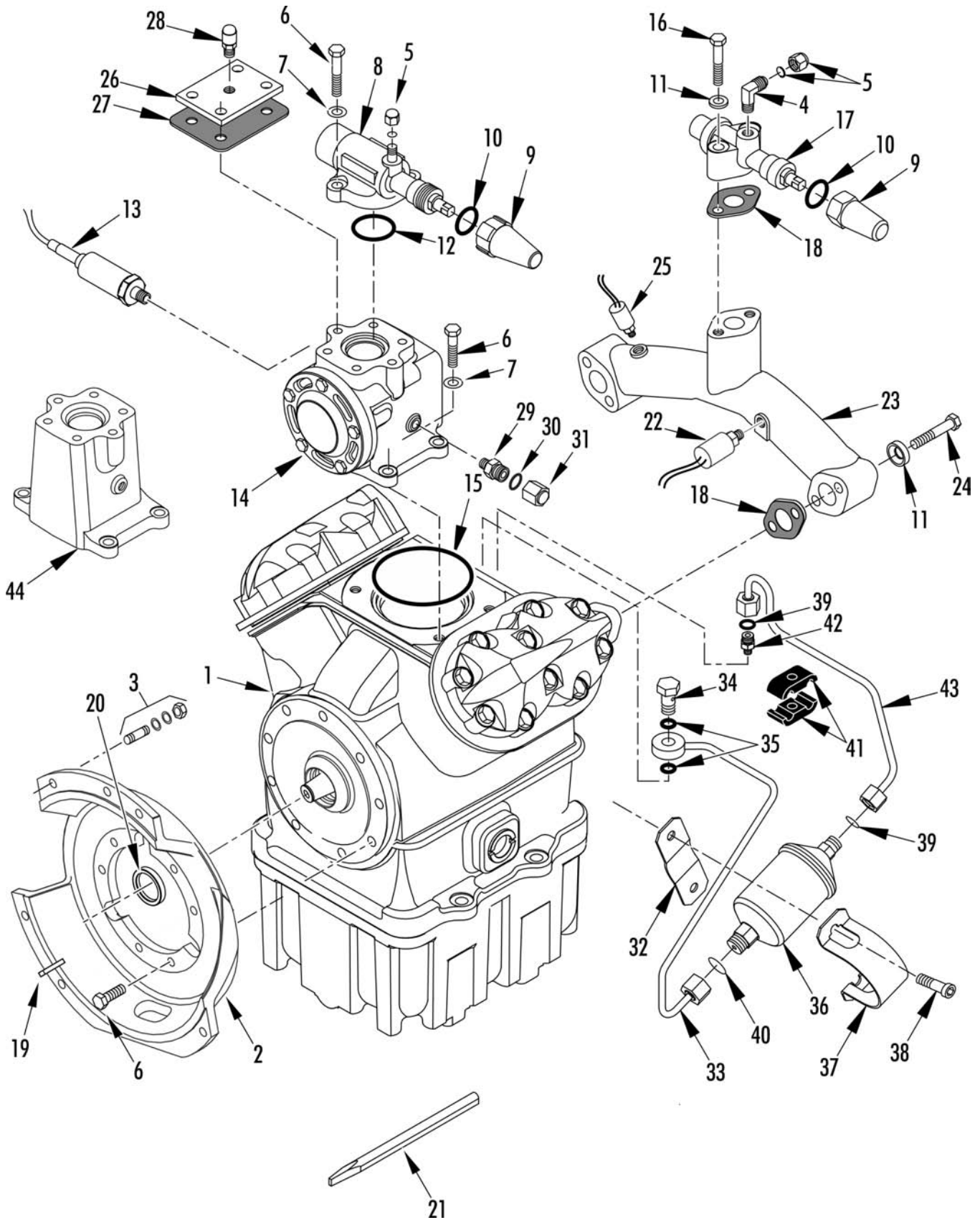
REF	PART NO.	DESCRIPTION	QTY
57	61-6055	TUBE - straight (ETV)	1



REFRIGERATION COMPONENT MOUNTING

**235C2**Revised
12/08/12

REF	PART NO.	DESCRIPTION	QTY
1	67-2336	TANK - receiver	1
	67-2713	TANK - receiver (units w/ micro channel coil)	1
	55-7005	NUT - tank	1
	55-4931	WASHER - special	1
2	66-9918	INDICATOR - liquid	1
	33-2419	O-RING - liquid indicator	1
3	66-7392	VALVE - relief	1
	33-1015	O-RING - relief valve	1
4	92-6493	BRACKET - receiver tank	1
5	92-6639	CLAMP - dehydrator	1
	55-7022	SCREW - clamp	1
6	61-600	DEHYDRATOR	1
7	92-6495	TRAY - drip	1
8	67-2335	TANK - accumulator	1
	67-2747	TANK - accumulator (SPECTRUM w/ ETV only)	1
	55-5424	SCREW - tray & accumulator tank	4
	55-7069	FLATWASHER	4
	55-790	LOCKWASHER	4
9	92-6498	CLAMP - serpentine tube	3
	51-718	SCREW - clamp	3
10	66-9246	FITTING - transducer (SLX 200/400)	1
	55-9761	SCREW - fitting	2
11	55-6544	CLAMP - tube (1/4 inch tube)	A/R
12	55-6389	CLAMP - tube (1/2 inch tube)	A/R
13	91-372	CLAMP - tube (3/4 inch tube)	A/R
	55-7074	SCREW - clamp	A/R
	55-4607	FLATWASHER	A/R
	55-4608	LOCKWASHER	A/R
14	92-7417	BRACKET - condenser valve	1
	55-9761	SCREW - bracket	4
15	55-9246	CLAMP - discharge tube	2
	55-7027	SCREW - clamp	2



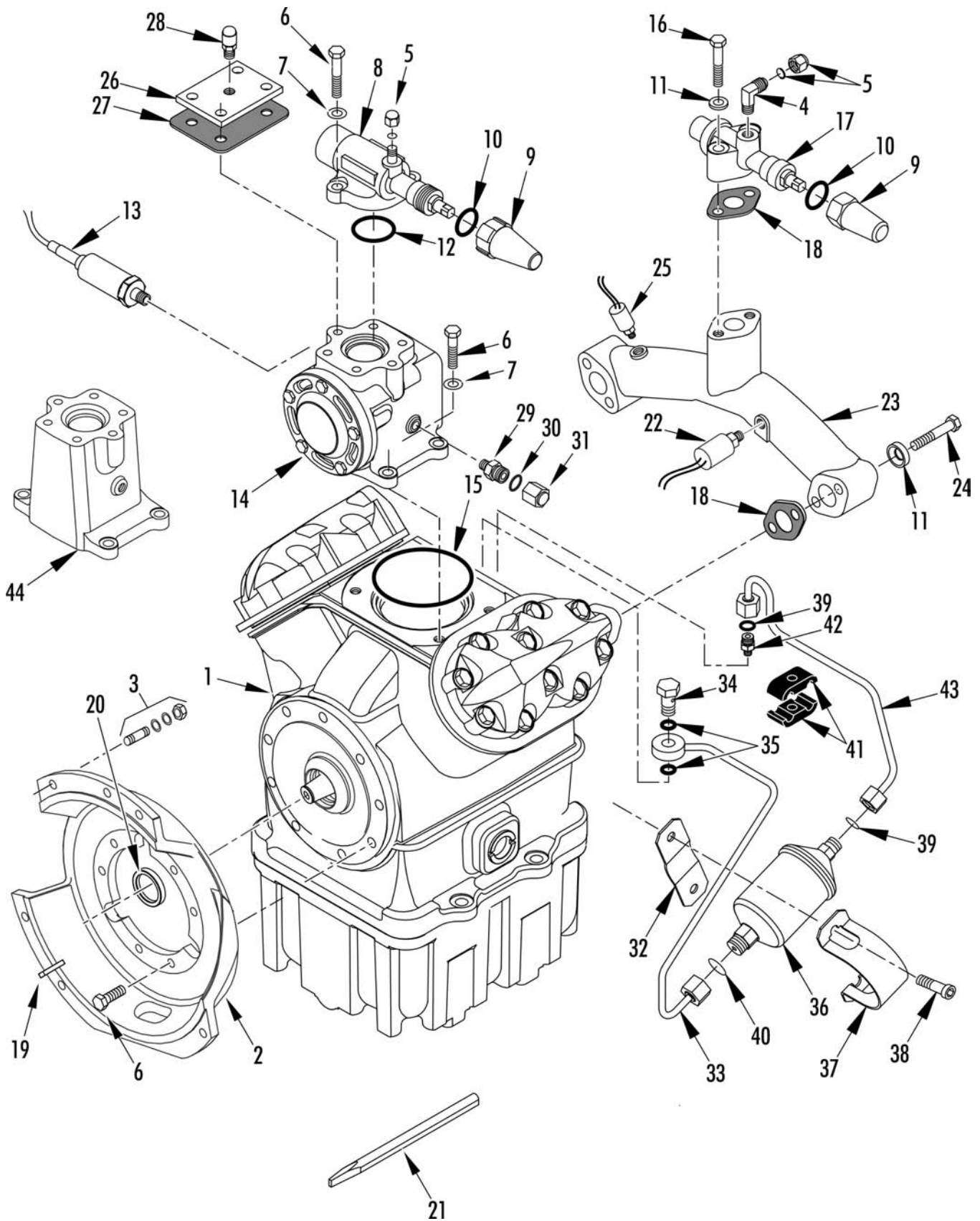
COMPRESSOR GROUP SPECTRUM - X430



235C1

Revised
01/15/13

REF	PART NO.	DESCRIPTION	QTY
1	8102-902	COMPRESSOR - X430 (reman, LS C5, see 230C8)	1
	102-902	COMPRESSOR - X430 (LS C5, see 230C8)	1
2	12-918	FLANGE - compressor (SLX)	1
	77-3066	FLANGE - compressor (SLXe)	1
3	55-1525	STUD - compressor (1.75 in long)	4
	55-1487	STUD - compressor (2.25 in long)	2
	55-402	FLATWASHER	6
	55-375	LOCKWASHER	6
	55-8318	NUT	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	66-2296	*CAP - service valve (plastic, incl gasket)	1
	66-3015	*CAP - valve (brass, incl gasket)	1
10	33-3007	**GASKET - plastic cap	1
	33-350	**GASKET - brass cap	1
11	55-6804	WASHER - sealing	6
12	33-230	O-RING - valve (1.875 id)	1
13	41-7960	TRANSDUCER - suction	1
14	66-7855	VALVE - throttling (SPECTRUM SLX, see 100C13)	1
15	33-1221	O-RING - adapter	1
16	55-6776	SCREW - discharge valve	2
17	66-129	VALVE - discharge (incl 9 & 10)	1
18	33-2805	GASKET - valve	3
19	55-9032	KEY - compressor	1
20	33-3004	SEAL - oil (large shaft, 1-3/16 dia)	1
21	204-972	TOOL - keyway alignment	1
22	41-3669	SWITCH - hpco (375 psi, 1/8 NPT)	1
	41-9459	SWITCH - hpco (375 psi, 7/16-20 thread)	1
23	22-759	MANIFOLD - discharge (with 1/8 NPT ports, early units)	1



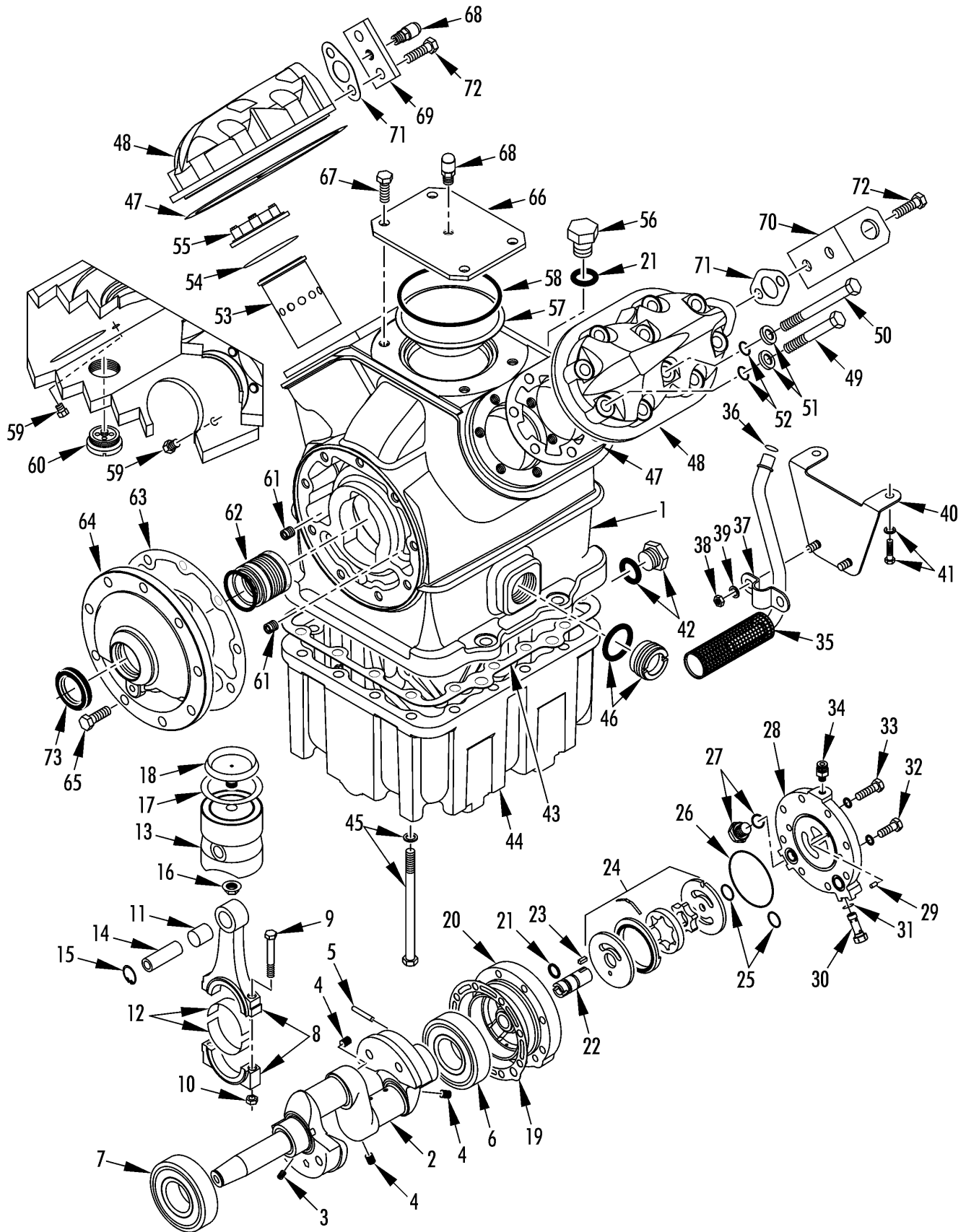
COMPRESSOR GROUP SPECTRUM - X430



235C1

Revised
01/15/13

REF	PART NO.	DESCRIPTION	QTY
	22-1275	MANIFOLD - discharge (7/16-20 thread ports)	1
24	55-3641	SCREW - manifold	4
25	44-5834	SWITCH - hpco (200 psi, 1/8 NPT)	1
	41-6356	SWITCH - hpco (200 psi, 7/16-20 thread)	1
26	91-4134	PLATE - cover	1
27	33-3101	GASKET - cover	1
28	11-2886	VALVE	1
29	66-8928	ADAPTER - o-ring seal	1
30	33-1461	O-RING - cap	1
31	66-9387	CAP - adapter	1
32	91-8080	CLAMP - filter	1
33	61-1404	TUBE - outlet	1
34	66-8043	ADAPTER - oil tube	1
35	33-1223	O-RING - oil tube	2
36	66-7800	FILTER - oil	1
37	92-1893	BRACKET - filter	1
38	55-8848	SCREW - bracket	2
	55-790	LOCKWASHER	2
	55-371	FLATWASHER	2
39	33-1461	O-RING (5/16)	2
40	33-1015	O-RING (3/8 id)	1
41	55-7119	CLAMP - tube	2
	55-544	SCREW - clamp	1
	55-411	FLATWASHER	2
	55-4118	NUT	1
42	66-8928	ADAPTER - pump to tube	1
43	61-1403	TUBE - inlet	1
44	61-5658	ADAPTER - suction valve	1



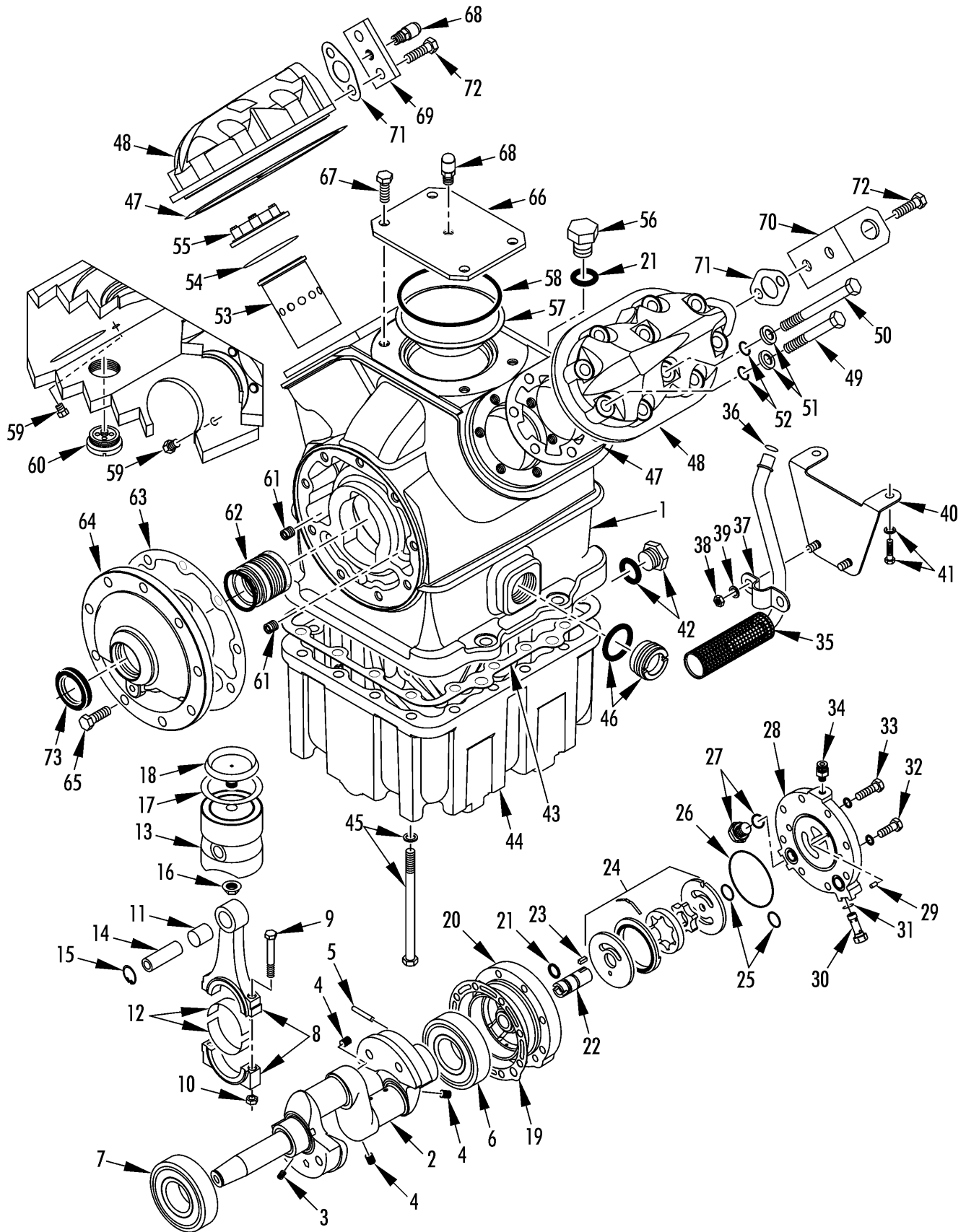
COMPRESSOR - X430 (7 QT OIL SUMP)



230C8

Revised
05/02/09

REF	PART NO.	DESCRIPTION	QTY
	102-902	COMPRESSOR - X430 (7 qt sump)	1
	8102-902	COMPRESSOR - X430 (7 qt sump, reman)	1
1	NSS	*BODY - compressor	1
2	22-1027	*CRANKSHAFT	1
	55-1409	**RIVET - counterweight	A/R
3	22-123	*PLUG - 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 - connecting rod	2
11	11-475	**BUSHING - piston pin	4
12	22-1246	*BEARING SET - connecting rod	1
	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	51-666	**NUT	1
17	NSS	**REED - piston	1
18	NSS	**HEAD - piston	1
19	33-1549	*GASKET - pump end	1
20	22-1277	*HOUSING - 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 thru 23)	1
25	33-239	*O-RING	2



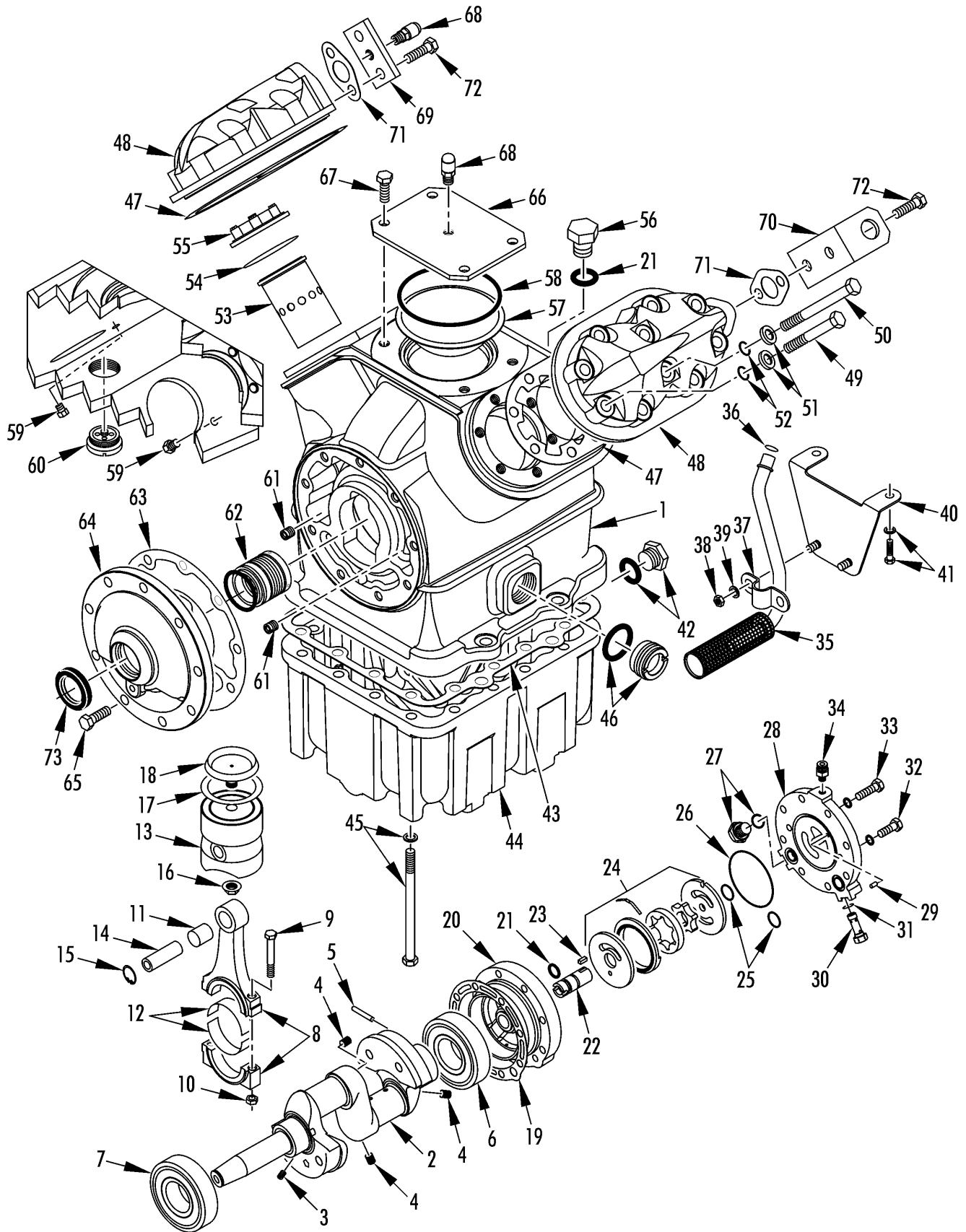
COMPRESSOR - X430 (7 QT OIL SUMP)



230C8

Revised
05/02/09

REF	PART NO.	DESCRIPTION	QTY
26	33-1175	*O-RING	1
27	55-6752	*PLUG - oil pump cover	1
	33-2095	*O-RING	1
28	22-555	*COVER - pump	1
29	55-4211	*PIN - dowel	1
30	22-784	*REGULATOR	1
31	33-672	**O-RING	1
32	55-681	*SCREW - cover to housing	2
	51-149	*FLATWASHER	2
33	55-183	*SCREW - pump	8
34	66-8928	*ADAPTER - o-ring seal	1
	203-393	*SEALER - thread	A/R
	66-9387	*CAP - valve	1
	33-1461	*O-RING (5/16)	1
35	22-1182	*SCREEN - oil suction	1
36	33-2205	*O-RING	1
37	99-4848	*CLAMP - screen	1
38	55-291	*NUT	1
39	55-366	*LOCKWASHER	2
40	92-2921	*BRACKET - screen	1
41	55-165	*SCREW - bracket	2
	55-366	*LOCKWASHER	2
42	55-6751	*PLUG - magnetic	1
	33-2095	*O-RING	4
43	33-3797	*GASKET - oil sump	16
44	22-1181	*SUMP - oil (7 qt)	1
45	51-575	*SCREW - oil sump	16
	55-896	*FLATWASHER	16
46	22-350	*INDICATOR - liquid	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



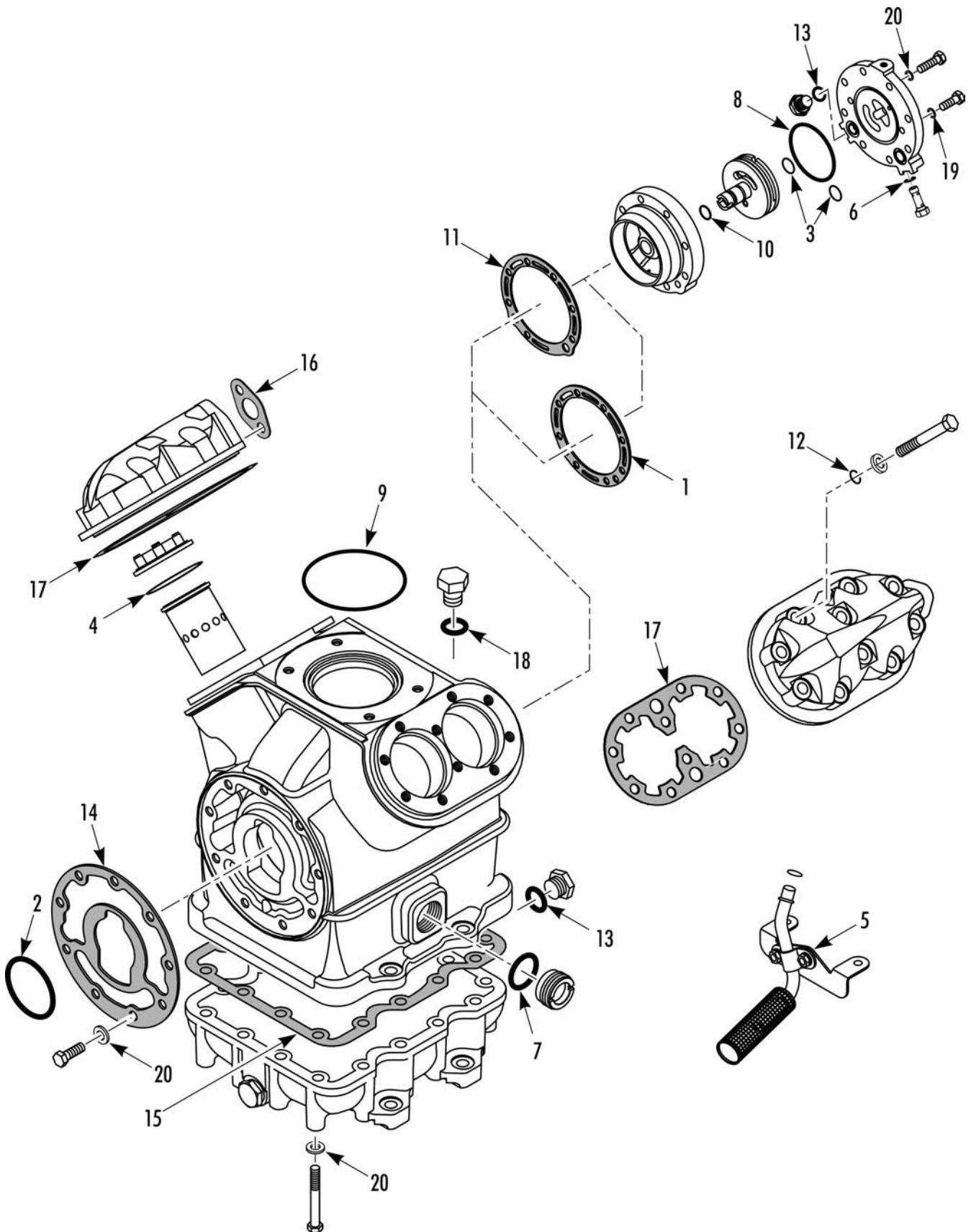
COMPRESSOR - X430 (7 QT OIL SUMP)



230C8

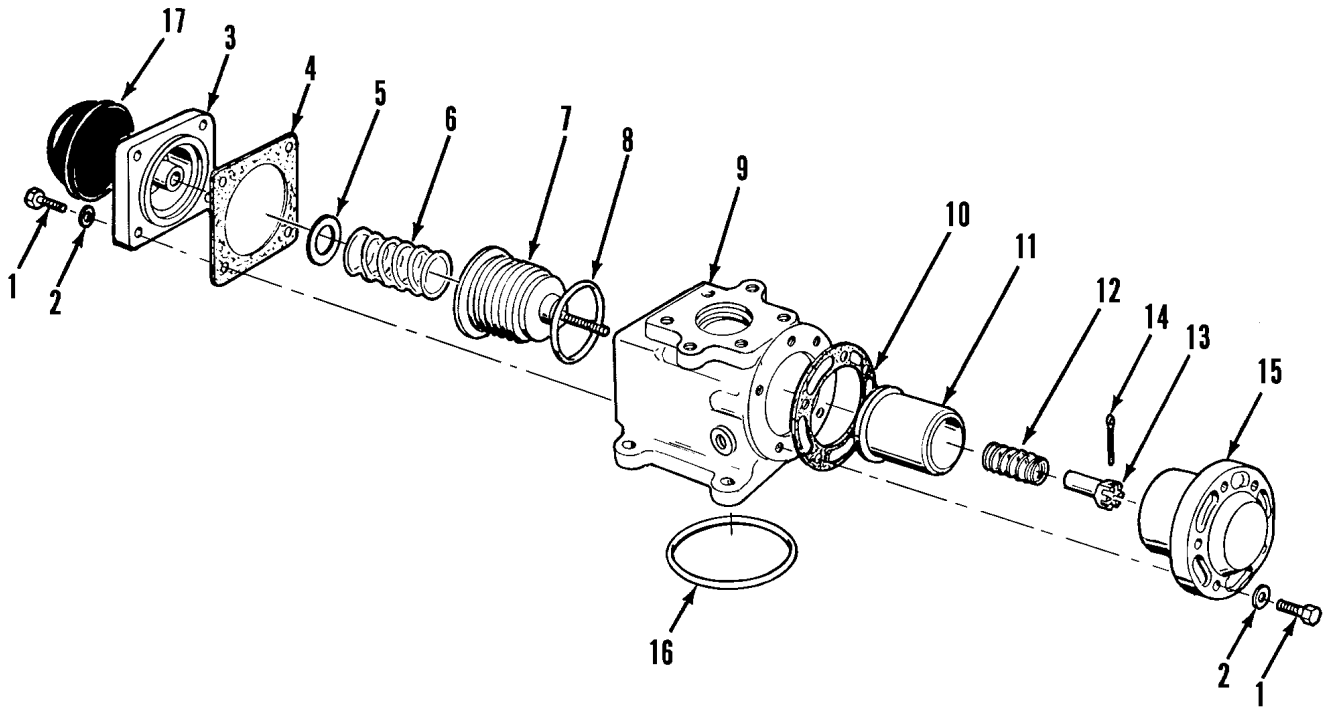
Revised
05/02/09

REF	PART NO.	DESCRIPTION	QTY
50	55-6806	*SCREW (2-5/8 in lg)	8
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	66-8043	*PLUG - oil fill (filter return)	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	22-1028	*COVER - 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)	1
	11-7777	*INSERT - valve	1
	55-5672	*CAP - valve	1
69	91-5630	*PLATE - cover	1
70	91-9858	*PLATE - cover (w/ lifting hole)	1
71	33-2805	*GASKET - manifold	2
	33-3103	GASKET - charge holding (use with items 69 & 70)	2
72	55-329	*SCREW - plate	4
73	33-3004	*SEAL - dust	1
	203-513	OIL - compressor	A/R
	30-243	KIT - gasket (see 131F1)	1



COMPRESSOR GASKET SET (30-243)**131F1**Revised
07/01/11

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 - regulator	1
7	33-822	*O-RING - sight glass	1
8	33-1175	*O-RING - oil pump cover	1
9	33-1221	*O-RING - throttling valve	1
10	33-1223	*O-RING - oil pump	1
11	33-1549	*GASKET - pump housing (X430)	1
12	33-2019	*O-RING - cylinder head screw	24
13	33-2095	*O-RING - oil pump plug	2
14	33-2513	*GASKET - drive plate	1
15	33-2515	*GASKET - oil sump	1
16	33-2805	*GASKET - manifold	3
17	33-2552	*GASKET - cylinder head	2
18	55-381	*WASHER - oil fill	1
19	55-895	*WASHER - oil pump	2
20	55-896	*WASHER - compressor seal (3/8)	57



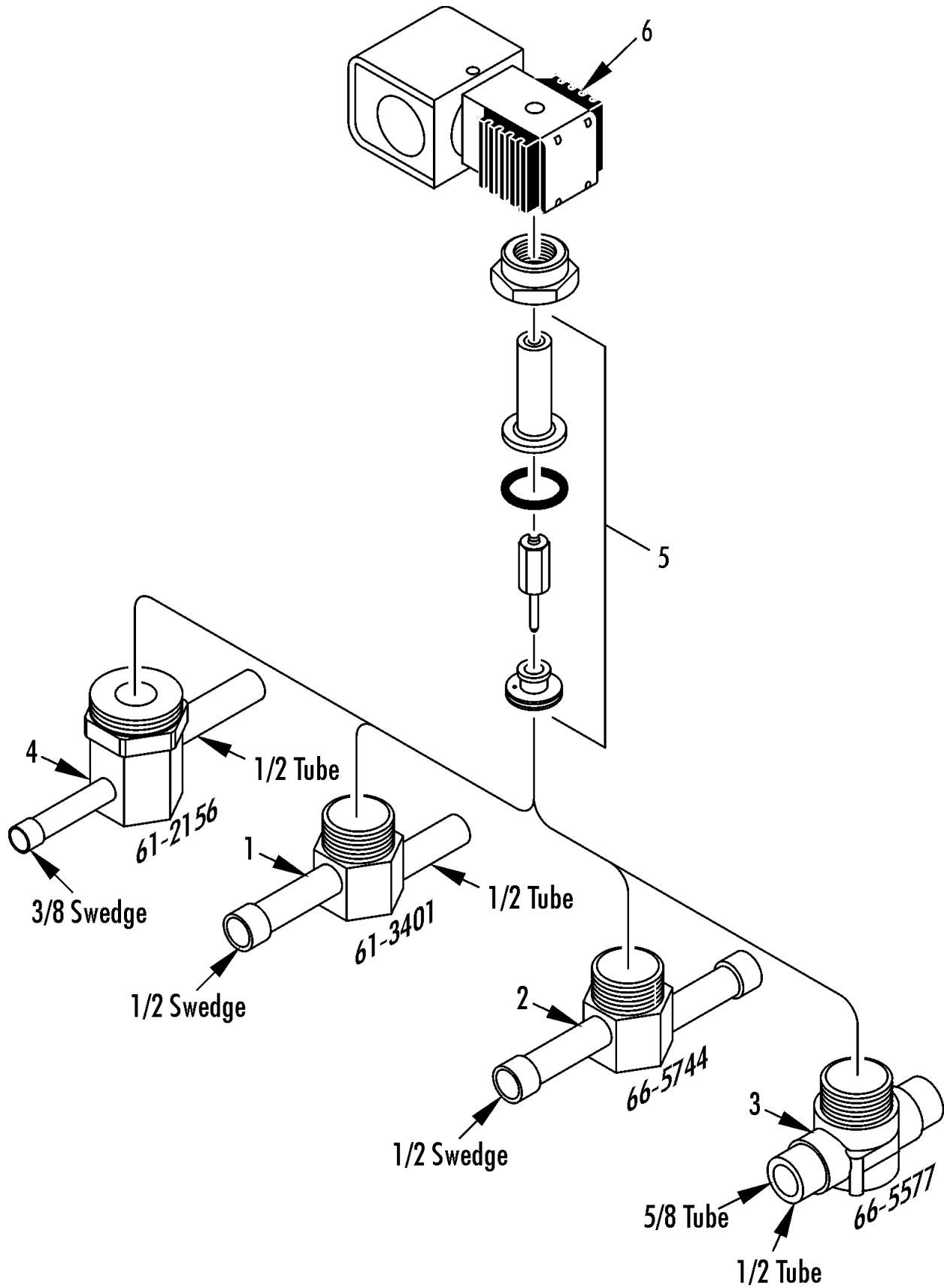
THROTTLING VALVE ASSEMBLY



100C13

Revised
03/24/12

REF	PART NO.	DESCRIPTION	QTY
	66-5935	VALVE - throttling (24-26 psi, early SMX, SL-100)	1
	66-5933	VALVE - throttling (27-29 psi, SMX)	1
	66-7855	VALVE - throttling (33-34 psi, SL-100, 200, SPECTRUM SLX)	1
	66-8545	VALVE - throttling (29-31 psi, SL TCI, SL-300, 1600/1200 RPM units)	1
	66-5934	VALVE - throttling (20-22 psi, SL TCI, SL-300, 2200/1450 RPM units)	1
1	55-2969	*SCREW - plate	9
2	55-371	*FLATWASHER	9
3	66-3613	*PLATE - bellows	1
4	33-123	*GASKET - end plate	1
5	66-157	*WASHER - adjusting	A/R
6	66-1116	*SPRING - bellows (for 66-5933)	1
	66-7856	*SPRING - bellows (for 66-7855)	1
	66-520	*SPRING - bellows (for 66-5935)	1
	66-7856	*SPRING - bellows (for 66-7855)	1
	66-8552	*SPRING - bellows (for 66-8545)	1
	66-6192	*SPRING - bellows (for 66-5934)	1
7	60-298	*KIT - repair, bellows (throttling valve)	1
8	33-408	*O-RING	1
9	61-5337	*HOUSING - valve	1
10	33-143	*GASKET - piston housing	1
11	22-740	*PISTON	1
12	66-176	*SPRING - piston	1
13	66-116	*NUT - adjusting	1
14	55-585	*PIN - cotter	1
15	66-1388	*HOUSING - piston	1
16	33-1221	O-RING - valve to compressor	1
	55-896	FLATWASHER	4
	55-2381	SCREW - housing	4
17	66-3612	CAP - valve (rubber)	1



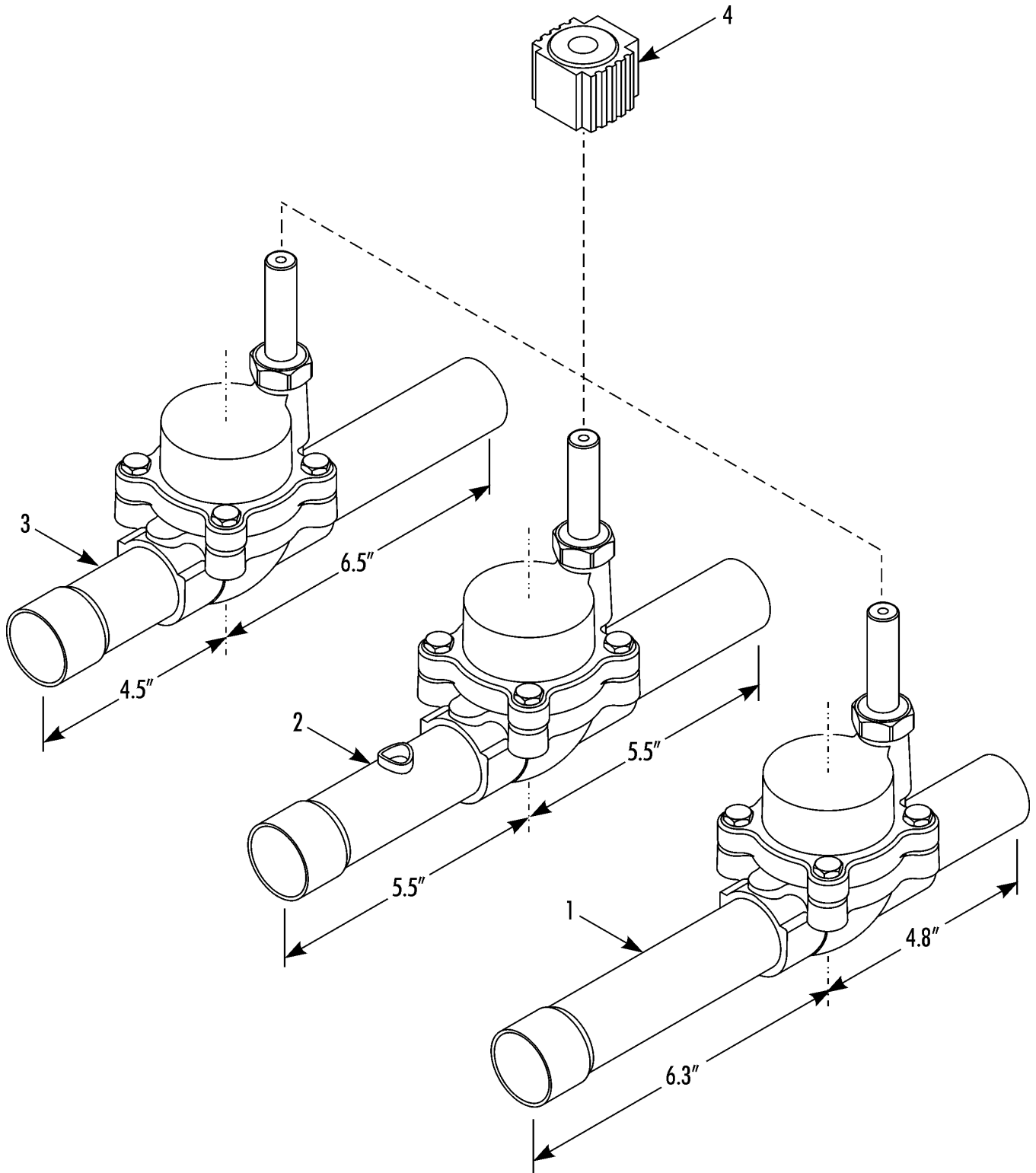
SOLENOID VALVE - NORMALLY CLOSED



116G14

Revised
08/24/11

REF	PART NO.	DESCRIPTION	QTY
1	61-3401	VALVE - solenoid	1
2	66-5744	VALVE - solenoid	1
3	66-5577	VALVE - solenoid	1
4	61-2156	VALVE - solenoid	1
5	60-294	*KIT - repair	1
6	44-3931	*COIL	1



SOLENOID VALVE ASSEMBLY

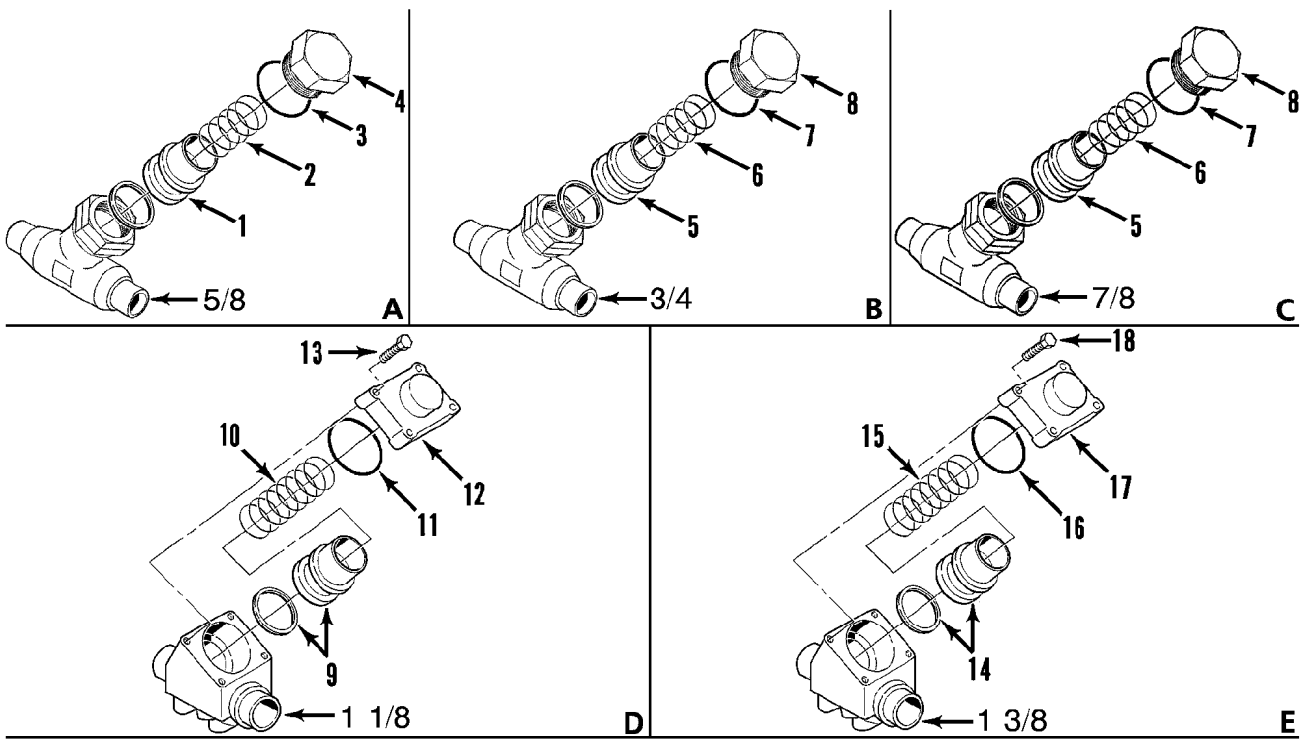


138B13

Revised
01/31/11

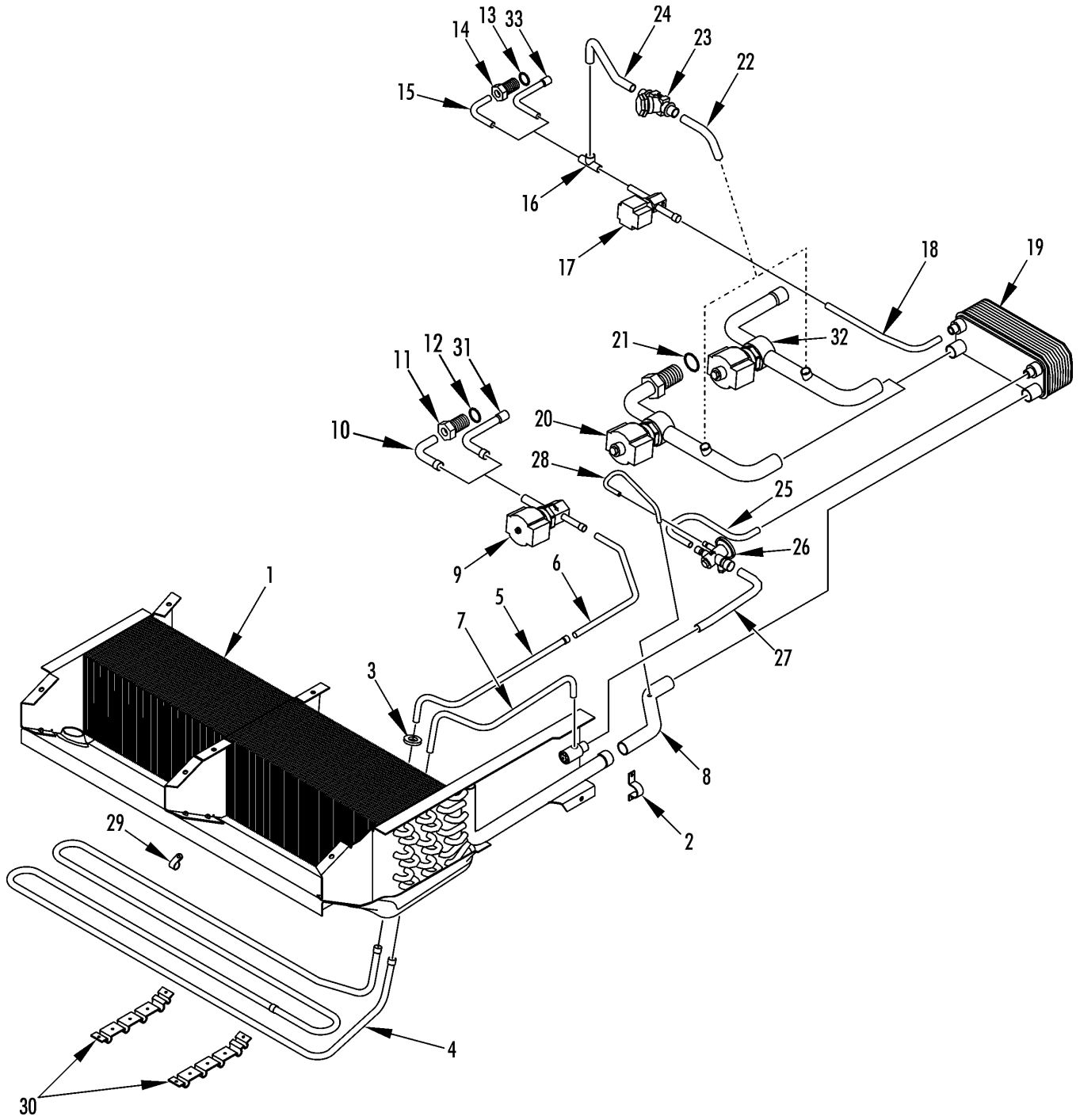
REF	PART NO.	DESCRIPTION	QTY
1	61-3844	VALVE - suction	1
2	61-3845	VALVE - suction	1
3	61-3846	VALVE - suction	1
4	41-7903	*COIL (12VDC)	1
	60-320	*KIT - repair	1

NOTE: This solenoid valve 61-3844, replaces solenoid valve 61-1329. See Grid 138B2 for repair parts for 61-1329. The coil & repair kit are not interchangeable between solenoid valves.





REF	PART NO.	DESCRIPTION	QTY
A	66-3789	VALVE (5/8 od)	1
	60-166	*KIT - check valve repair (incl seat, spring, gasket)	1
1	NSS	**SEAT - valve	1
2	NSS	**SPRING	1
3	33-1778	**GASKET	1
4	66-4659	*CAP - check valve	1
B	66-6586	VALVE - check (3/4 od, use items 5 thru 8)	1
C	66-6179	VALVE - check (7/8 od)	1
	60-175	*KIT - check valve repair (incl seat, spring, gasket)	1
5	NSS	**SEAT - valve	1
6	NSS	**SPRING	1
7	33-1778	**GASKET	1
8	66-4659	*CAP - check valve	1
D	66-5307	VALVE (1-1/8 od)	1
	60-176	*KIT - check valve repair (incl seat, spring, gasket)	1
9	NSS	**SEAT - valve	1
10	NSS	**SPRING	1
11	33-2340	**GASKET	1
12	66-6433	*CAP - check valve	1
13	55-6293	*SCREW - cap	4
E	66-4594	VALVE (1-3/8 od)	1
	60-229	KIT - check valve repair (incl seat, spring, gasket)	1
14	NSS	**SEAT - valve	1
15	NSS	**SPRING	1
16	33-1941	**GASKET	1
17	66-5085	*CAP - check valve	1
18	55-6293	*SCREW - cap	4
	60-229	KIT - check valve repair (incl seat, spring, gasket & screws)	1



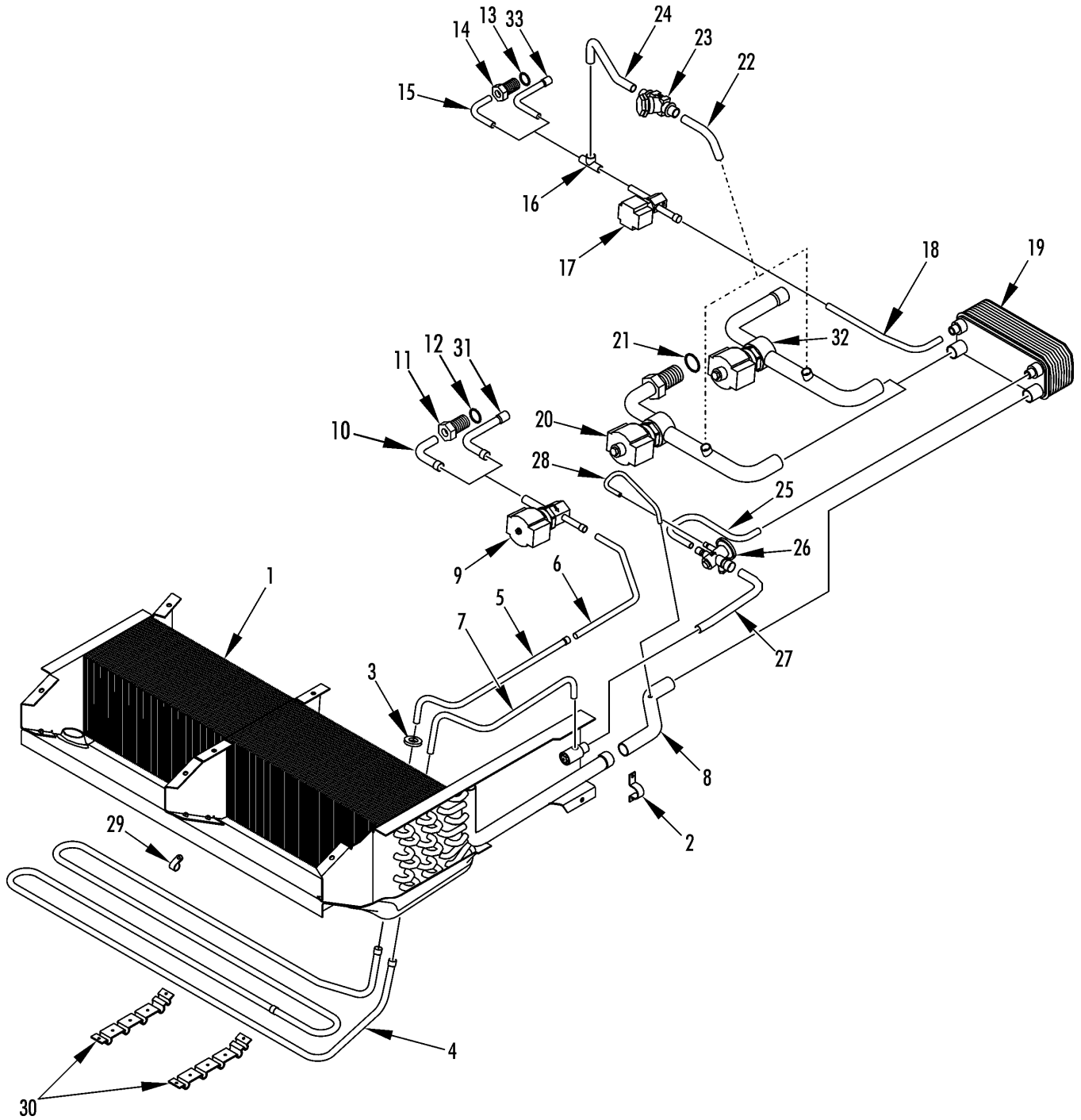
REFRIGERATION COMPONENTS (S-2)



192E1

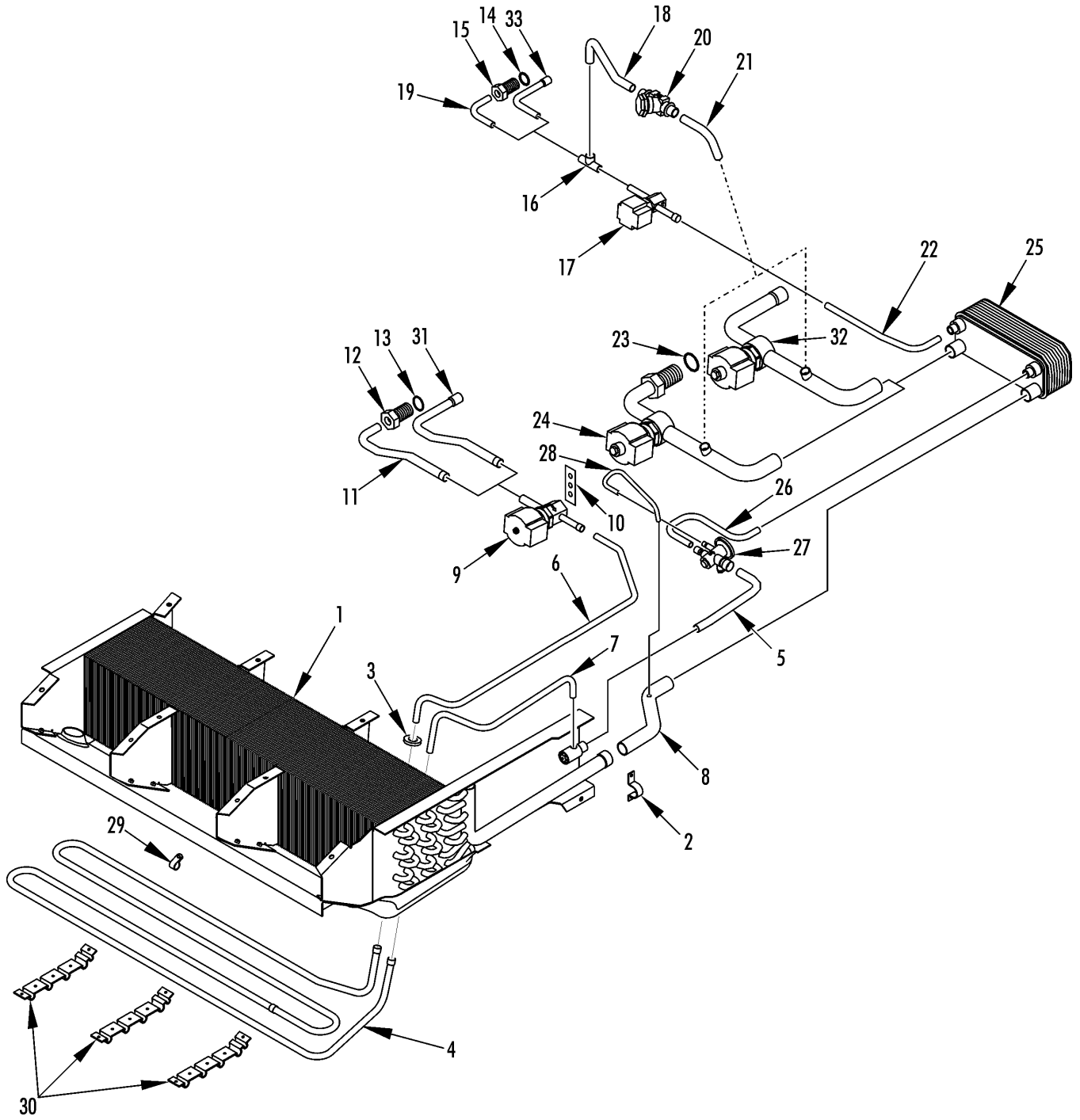
Revised
02/01/12

REF	PART NO.	DESCRIPTION	QTY
1	67-1997	COIL - evaporator	1
2	55-2239	CLAMP - tube	1
	55-9762	NUT - clamp	1
3	33-282	GROMMET (3/8 id)	2
	33-1215	GROMMET (1/2 id)	2
4	61-1029	TUBE - serpentine	1
5	61-2532	TUBE - solenoid to serpentine	1
6	61-2531	TUBE - hot gas	1
7	61-1057	TUBE - drain pan to distributor	1
8	61-2526	TUBE - suction	1
9	61-2156	SOLENOID - hot gas (see 116G14)	1
10	61-2926	TUBE - adapter to valve (hot gas, before 3/11)	1
11	55-6779	ADAPTER - bulkhead (hot gas, before 3/11)	1
12	33-566	O-RING - hot gas (1/2 id)	1
13	33-1015	O-RING - liquid (3/8 id)	1
14	66-6036	ADAPTER - bulkhead (liquid, before 3/11)	1
15	61-2650	TUBE - liquid (before 3/11)	1
16	55-6222	TEE	1
17	61-1037	VALVE - solenoid (liquid)	1
	60-276	*KIT - repair	1
	41-3681	*COIL	1
18	61-2649	TUBE - valve to exchanger	1
19	61-2527	HEAT - exchanger	1
20	61-1713	SOLENOID - suction (before 3/11)	1
	60-275	*KIT - repair	1
	44-5174	*COIL - valve	1
21	33-1222	O-RING - suction (3/4 id)	1
22	61-2647	TUBE - suction to check valve	1
23	66-3655	VALVE - check (see 9G12)	1
24	61-2648	TUBE - valve to tee	1
25	61-2528	TUBE - liquid (exchanger to valve)	1
26	61-974	VALVE - expansion	1
27	61-2530	TUBE - valve to distributor	1



REFRIGERATION COMPONENTS (S-2)**192E1**Revised
02/01/12

REF	PART NO.	DESCRIPTION	QTY
28	61-2529	TUBE - equalizer	1
29	61-1030	CLAMP - defrost tube	4
30	92-4636	CLAMP - serpentine tube	2
	55-2260	RIVET - clamp	8
31	61-5560	TUBE - hot gas (3/11 & after)	1
32	61-5467	SOLENOID - suction (trailer, 3/11 & after)	1
	61-5469	SOLENOID - suction (truck, 3/11 & after)	1
33	61-5561	TUBE - swedge to tee (3/11 & after)	1



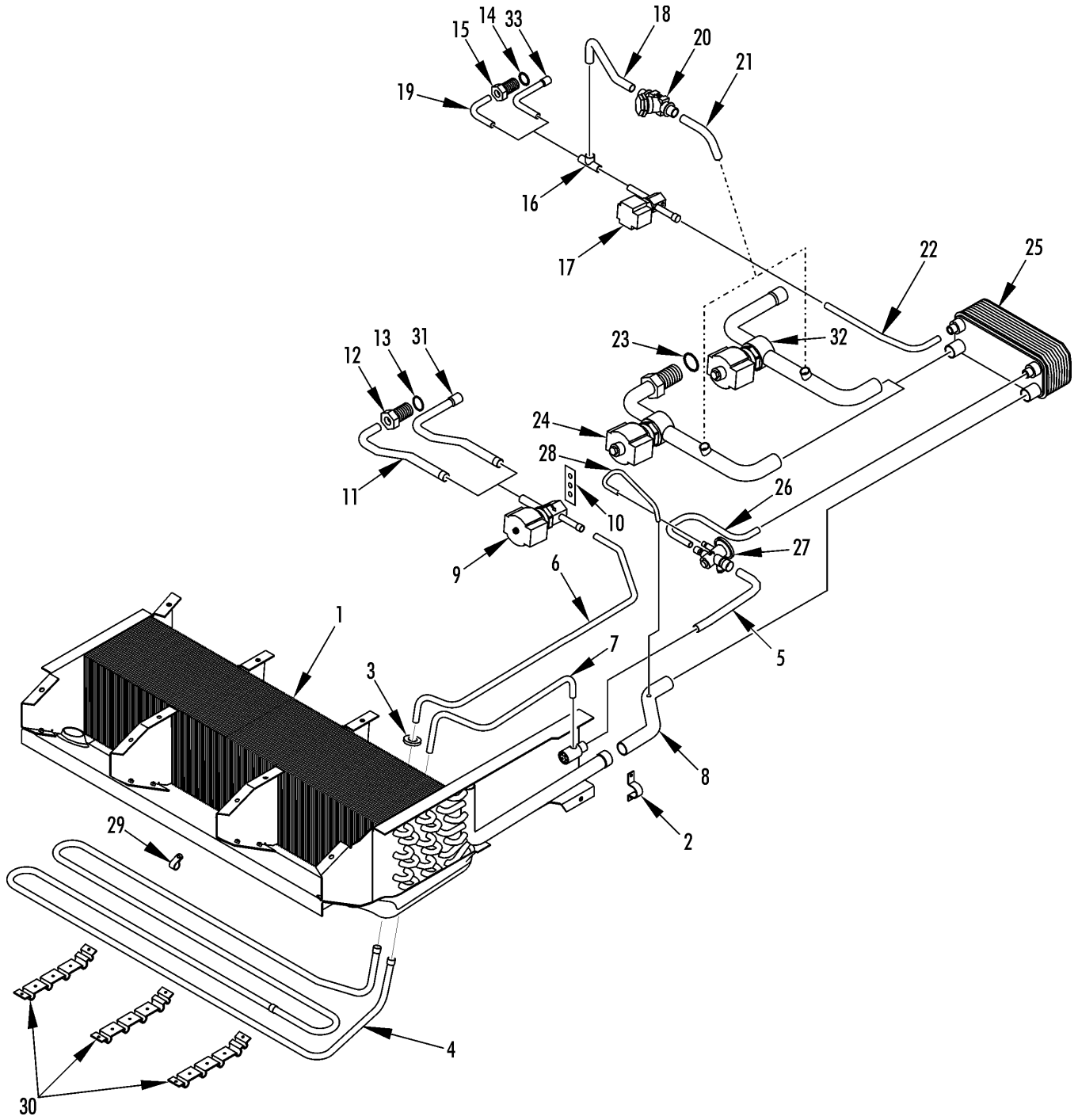
REFRIGERATION COMPONENTS (S-3)



193F2

Revised
02/01/12

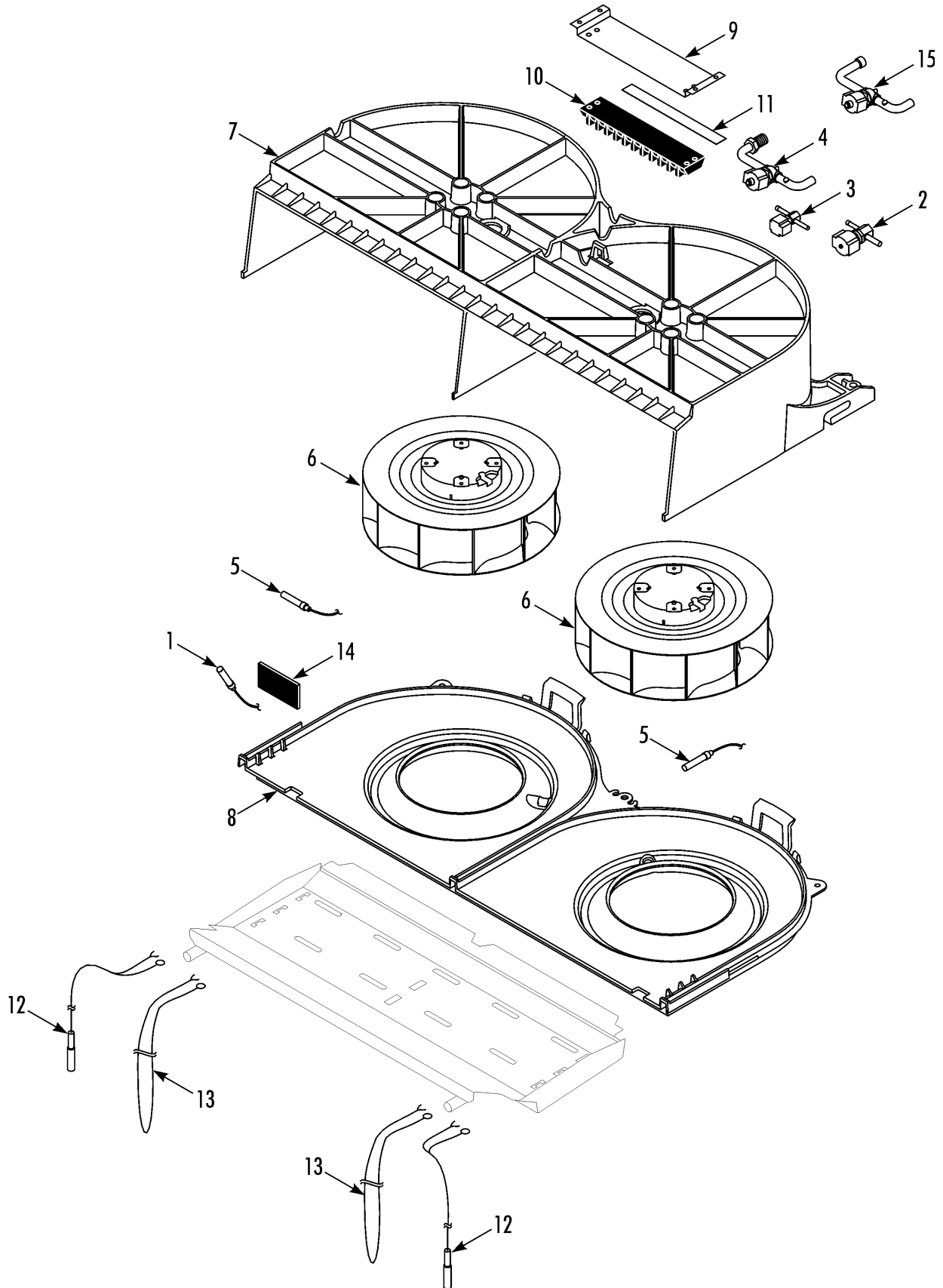
REF	PART NO.	DESCRIPTION	QTY
1	67-1853	COIL - evaporator	1
2	55-2239	BRACKET - distributor	1
3	33-282	GROMMET (3/8 id)	2
	33-1215	GROMMET (1/2 id)	2
4	61-1063	TUBE - serpentine	1
5	61-2530	TUBE - liquid	1
6	61-2531	TUBE - solenoid to serpentine	1
7	61-1057	TUBE - drain pan to distributor	1
8	61-2526	TUBE - suction	1
9	61-2156	SOLENOID - hot gas (see 116G14)	1
10	92-1431	BRACKET - valve	1
11	61-1024	TUBE - hot gas (before 3/11)	1
12	55-6779	ADAPTER - bulkhead (defrost, before 3/11)	1
	55-9146	LOCKWASHER	1
	55-6393	NUT - bulkhead	1
13	33-566	O-RING - defrost (1/5 id)	1
14	33-1015	O-RING - liquid (3/8 id)	1
	55-9147	LOCKWASHER	1
	55-6780	NUT - bulkhead	1
15	66-6036	ADAPTER - bulkhead (liquid, before 3/11)	1
16	55-6222	TEE (3/8 x 3/8 x 1/2)	1
17	61-1037	VALVE - solenoid (liquid)	1
	60-276	*KIT - repair	1
	41-3681	*COIL	1
18	61-2648	TUBE - tee to check valve	1
19	61-2650	TUBE - liquid (adapter to tee, before 3/11)	1
20	66-3655	VALVE - check	1
21	61-2647	TUBE - liquid (tee to adapter)	1
22	61-2649	TUBE - liquid (valve to exchanger)	1
23	33-1222	O-RING - suction	1
	55-7199	LOCKWASHER	1
	55-6812	NUT - bulkhead	1
24	61-1062	SOLENOID - suction (before 3/11)	1



REFRIGERATION COMPONENTS (S-3)

**193F2**Revised
02/01/12

REF	PART NO.	DESCRIPTION	QTY
	60-278	*KIT - repair	1
	44-5174	*COIL	1
25	61-2527	HEAT EXCHANGER	1
	55-4953	NUT - exchanger	2
	55-2086	FLATWASHER	2
26	61-2528	TUBE - heat exchanger	1
27	61-975	VALVE - expansion	1
28	61-2529	TUBE - equalizer	1
29	61-1030	CLAMP - defrost tube	4
30	92-4636	CLAMP - serpentine tube	3
	55-2260	RIVET - clamp	12
31	61-5560	TUBE (after 3/11)	1
32	61-5468	SOLENOID - suction (3/11 & after)	1
33	61-5561	TUBE - swedge to tee (3/11 & after)	1



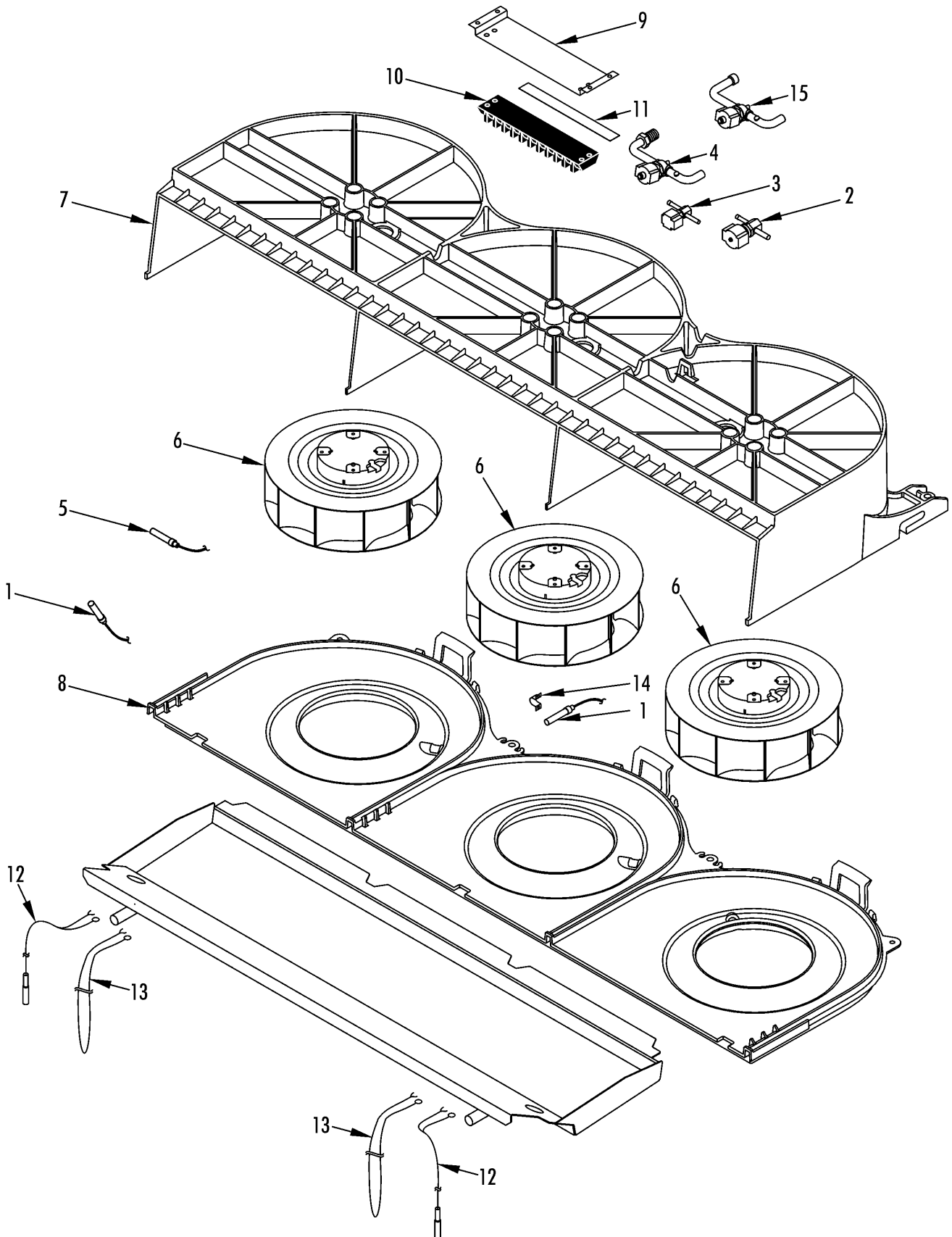
ELECTRICAL COMPONENTS (S-2)



167G8

Revised
04/24/12

REF	PART NO.	DESCRIPTION	QTY
1	40-975	KIT - temperature sensor (coil, ungraded)	1
	41-5210	*COLLAR - crimp	2
	92-846	*HEATSHRINK (1/2 in)	2
	44-9906	TAB - connector	1
2	61-2156	SOLENOID - hot gas (see 116G14)	1
3	61-1037	VALVE - solenoid (liquid)	1
	60-276	*KIT - repair	1
	41-3681	*COIL	1
4	61-1056	SOLENOID - suction (before 3/11)	1
	60-275	*KIT - repair	1
	44-5174	*COIL	1
5	40-974	KIT - sensor (discharge air & return air, graded)	2
6	78-1554	BLOWER - variable (12V)	2
	55-9694	SCREW - blower	8
7	78-1251	HOUSING - blower	1
8	78-1252	COVER - blower	1
9	92-4181	BRACKET - terminal board	1
	55-9693	SCREW - bracket	4
	55-9763	NUT	4
10	44-6110	BOARD - terminal	1
	55-9694	SCREW - terminal board	4
11	92-4307	MARKSTRIP - terminal board	1
12	41-4291	WIRE - resistance (2590 mm)	1
	41-4292	WIRE - resistance (1955 mm)	1
13	41-4795	WIRE - resistance (7327 mm)	1
	41-4796	WIRE - resistance (6267 mm)	1
14	92-2943	PAD - coil sensor delay	1
15	61-5467	SOLENOID - suction (3/11 & after)	1



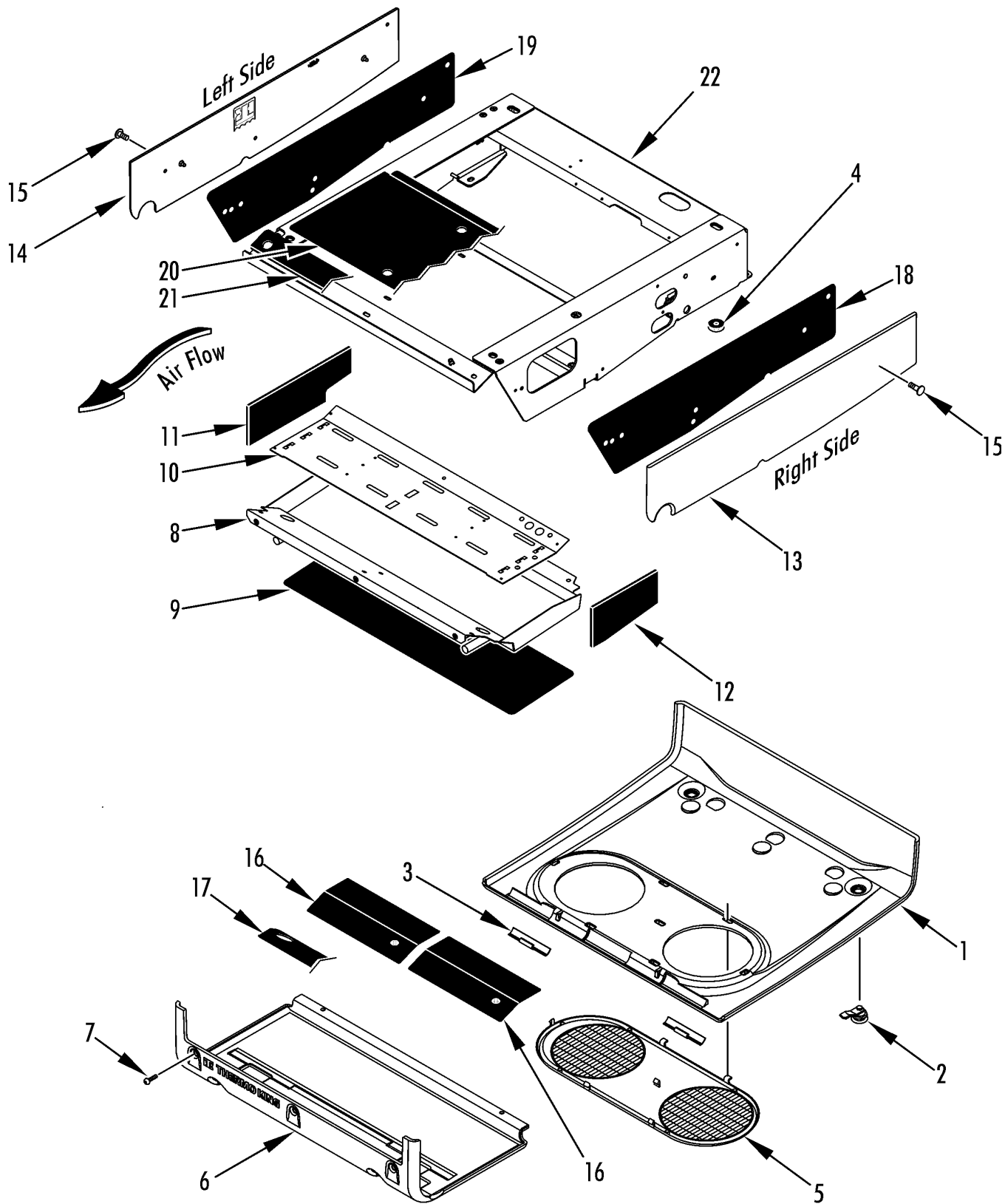
ELECTRICAL COMPONENTS (S-3)



177E1

Revised
11/16/11

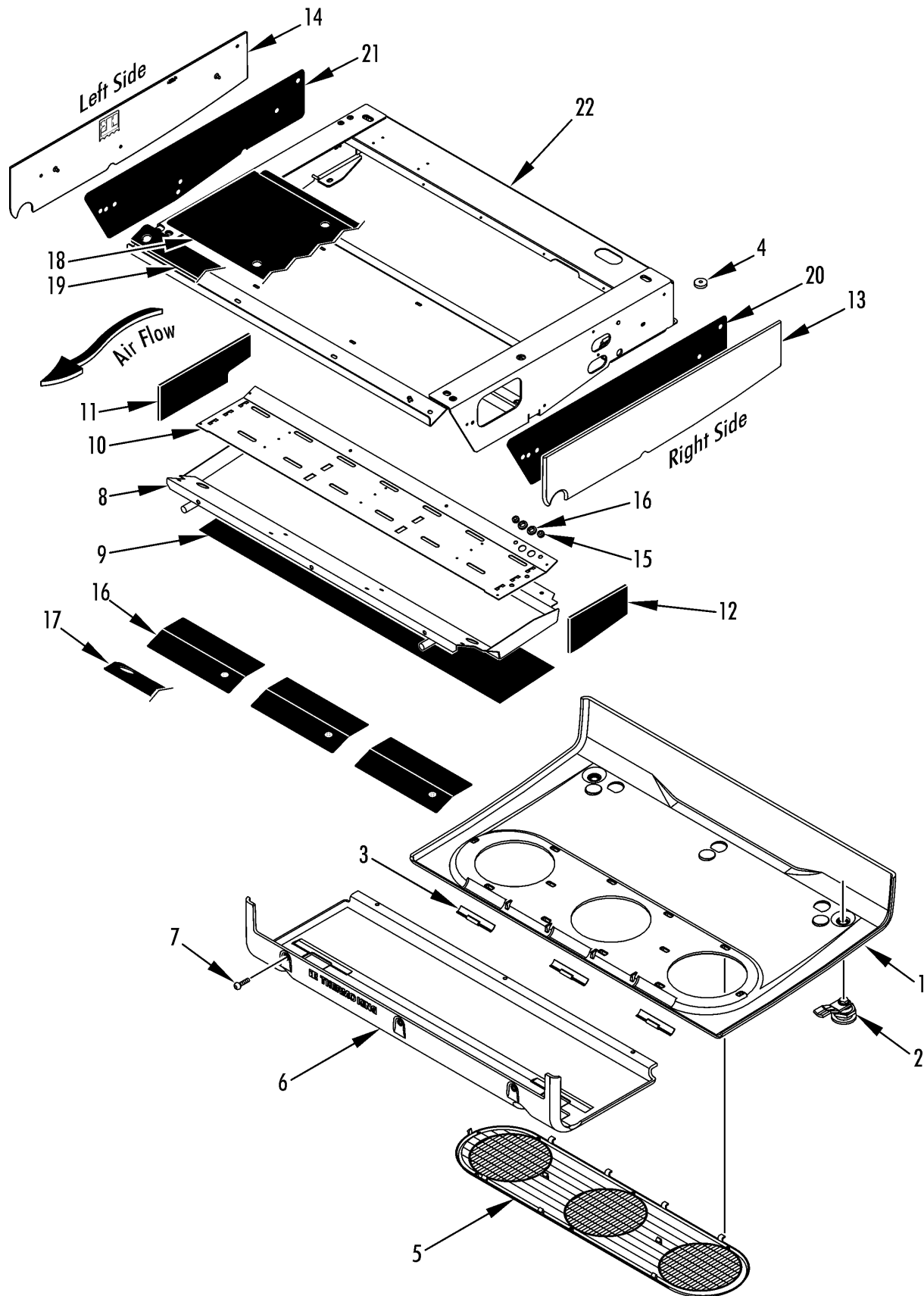
REF	PART NO.	DESCRIPTION	QTY
1	40-975	KIT - temperature sensor (return air & coil, ungraded)	2
2	61-2156	SOLENOID - hot gas (see 116G14)	1
3	61-1037	SOLENOID - liquid	1
	60-276	*KIT - repair	1
	41-3681	*COIL	1
4	61-1714	SOLENOID - suction (before 3/11)	1
	60-275	*KIT - repair	1
	44-5174	*COIL	1
5	40-974	KIT - sensor (discharge air, graded)	1
6	78-1554	BLOWER - variable (12V)	3
	55-9694	SCREW - blower	12
7	78-1255	HOUSING - blower	1
8	78-1256	COVER - blower	1
9	92-4308	BRACKET - terminal board	1
	55-9693	SCREW - bracket	4
	55-9810	NUT	4
10	44-6110	BOARD - terminal	1
	44-3918	JUMPER - terminal	1
	55-9694	SCREW - terminal board	4
11	92-4307	MARKSTRIP - terminal board	1
12	41-4303	WIRE - resistance (3000 mm)	1
	41-4304	WIRE - resistance (4000 mm)	1
13	41-4797	WIRE - resistance (7267 mm)	1
	41-4798	WIRE - resistance (9047 mm)	1
14	91-7266	CLAMP - sensor	1
15	61-5467	SOLENOID - suction (3/11 & after)	1





Revised
02/01/12

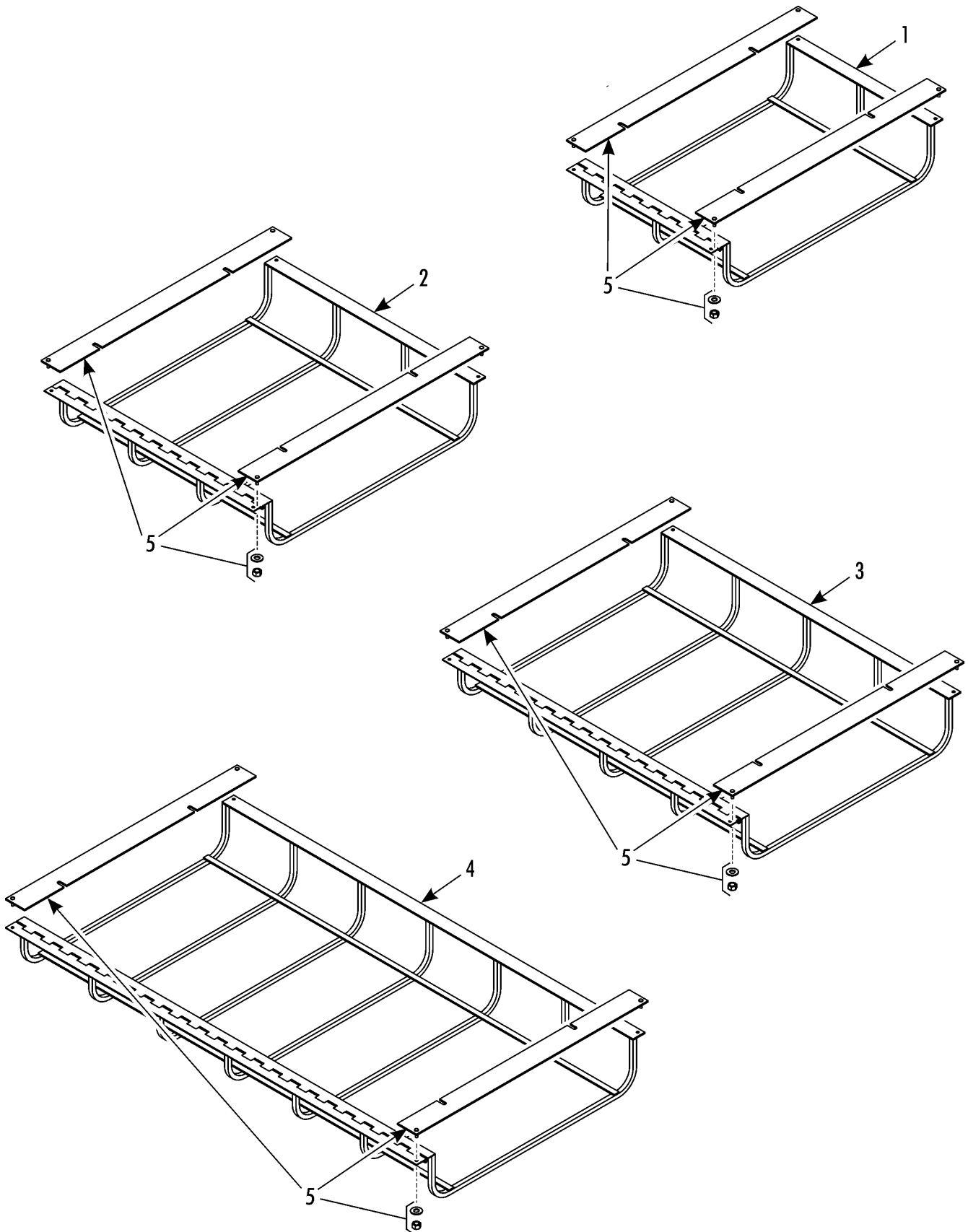
REF	PART NO.	DESCRIPTION	QTY
1	92-1437	COVER - back (plastic)	1
	98-7978	COVER - back (metal)	1
	51-718	SCREW - cover	2
2	92-4638	LATCH - pawl (plastic cover)	2
3	92-7702	*HINGE	2
4	33-3443	GROMMET - bumper	4
5	92-6474	GRILLE - blower intake (metal cover, 98-7978, S-2)	1
6	92-1436	COVER - front (plastic, blower outlet)	1
	77-2801	*WASHER - spacer	5
	98-7976	COVER - front (metal, blower outlet)	1
7	55-9761	SCREW - cover	5
8	92-1433	DRAIN PAN - lower	1
	55-9761	SCREW - drain pan	6
9	33-3620	FOAM - drain pan	1
10	92-2698	DRAIN PAN - upper	1
11	92-3446	FOAM - right side	1
12	92-3445	FOAM - left side	1
13	92-1429	COVER - right side (plastic)	1
	92-6622	COVER - right side (metal)	1
14	92-1430	COVER - left side (plastic)	1
	92-6623	COVER - left side (metal)	1
	51-718	SCREW - cover (metal covers)	6
15	51-251	FASTENER - cover (plastic covers)	6
16	33-3886	FOAM - discharge area	2
17	33-3881	FOAM - drain pan (front)	1
18	33-3884	FOAM - left side	1
19	33-3885	FOAM - right side	1
20	33-4163	FOAM - top panel	1
21	33-4164	FOAM - top panel (front)	1
22	98-6987	FRAME - evaporator	1





Revised
02/01/12

REF	PART NO.	DESCRIPTION	QTY
1	92-1448	COVER - back (plastic)	1
	98-7979	COVER - back (metal)	1
	51-718	SCREW - cover (metal cover)	2
2	92-4638	LATCH - pawl (plastic cover)	2
3	92-7702	*HINGE	3
4	33-3443	GROMMET - bumper	4
5	92-6473	GRILLE - blower intake (use with metal back cover, 98-7979, item 1)	1
6	92-1450	COVER - front (plastic)	1
	77-2801	*WASHER - spacer	6
	98-7977	COVER - front (metal)	1
7	55-9761	SCREW - cover	6
8	92-1452	DRAIN PAN - lower	1
	55-9761	SCREW - drain pan	6
9	33-3889	FOAM - drain pan	1
10	92-2699	DRAIN PAN - upper	1
11	33-3446	FOAM - left side	1
12	33-3445	FOAM - right side	1
13	92-1429	COVER - right side (plastic)	1
	92-6622	COVER - right side (metal)	1
14	92-1430	COVER - left side (plastic)	1
	92-6623	COVER - left side (metal)	1
15	51-251	FASTENER - cover (plastic cover)	6
	51-718	SCREW - cover (metal cover)	2
16	33-3886	FOAM - discharge area	3
17	33-3888	FOAM - drain pan (front)	1
18	33-4165	FOAM - top panel	1
19	33-4166	FOAM - top panel (front)	1
20	33-3884	FOAM - right side	1
21	33-3885	FOAM - left side	1
22	98-6783	FRAME - evaporator	1



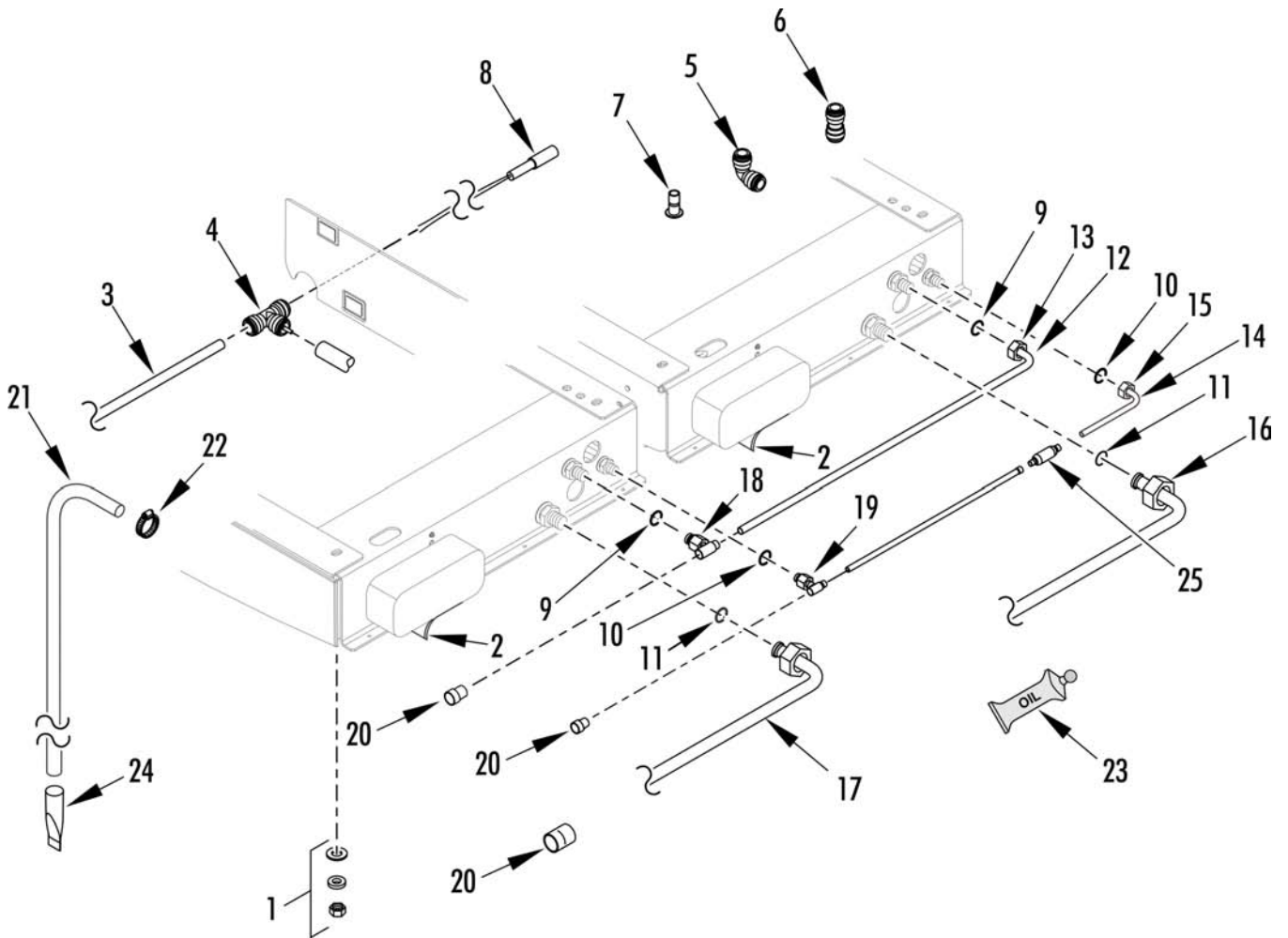
EVAPORATOR GUARDS (S-2/3/4/6)



197C4

Revised
02/01/12

REF	PART NO.	DESCRIPTION	QTY
1	90-319	GUARD - evaporator (S-2)	1
2	90-320	GUARD - evaporator (S-3)	1
3	90-321	GUARD - evaporator (S-4)	1
4	90-322	GUARD - evaporator (S-6)	1
5	90-422	KIT - evaporator guard brackets	1
	55-4640	*NUT - guard	4
	55-4246	*WASHER	4



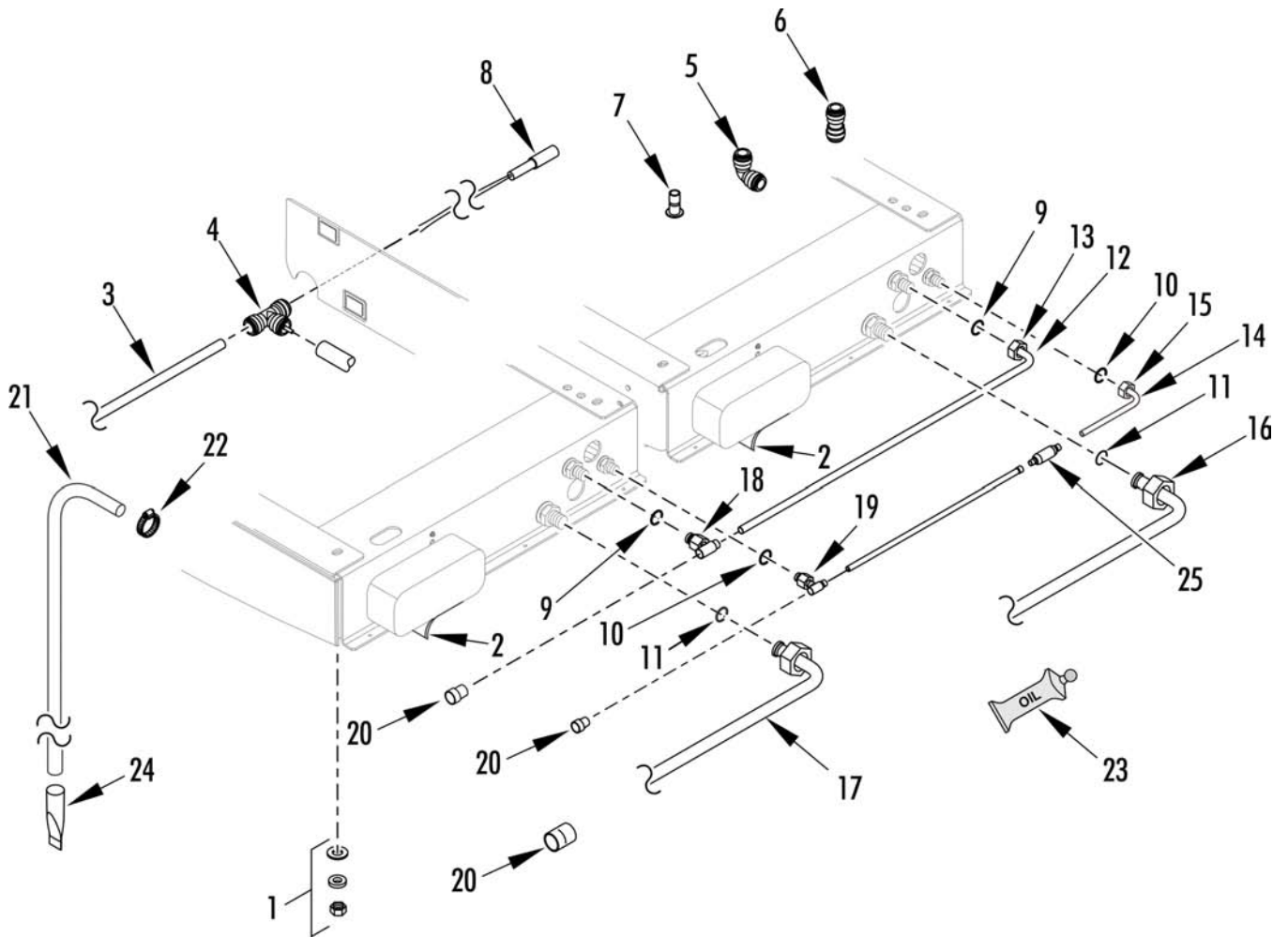
INSTALLATION COMPONENTS (S-2, with o-rings)



168A1

Revised
08/02/12

REF	PART NO.	DESCRIPTION	QTY
1	55-3686	NUT - unit	4
	55-5725	WASHER - special (3/8 thick)	4
	55-9472	WASHER - special	4
	55-9682	WASHER - special	2
2	33-3444	INSULATION - heat exchanger	1
3	92-1435	PIPE - defrost drain (466 mm)	1
	92-1455	PIPE - defrost drain (809 mm)	1
	92-1442	PIPE - defrost drain (1000 mm)	2
4	51-249	CONNECTOR - tee (defrost drain)	2
5	55-9767	CONNECTOR - elbow (defrost drain)	2
6	55-9768	CONNECTOR - straight (defrost drain)	2
7	55-9766	PLUG - fitting	2
8	41-4291	WIRE - resistance (2500 mm)	1
	41-4292	WIRE - resistance (3500 mm)	1
	41-4303	WIRE - resistance (3000 mm)	1
	41-4304	WIRE - resistance (4000 mm)	1
	41-4795	WIRE - resistance (7327 mm)	1
	41-4796	WIRE - resistance (6267 mm)	1
9	33-566	O-RING - defrost (1/2 id)	1
10	33-1015	O-RING - liquid (3/8 id)	1
11	33-1222	O-RING - suction (7/8 id)	1
12	61-1043	TUBE - hot gas (before 3/11)	1
	67-1126	TUBE (1/2 x 50 ft, after 3/11)	A/R
13	55-8950	NUT (13/16-16, brass)	1
14	61-1041	TUBE - liquid line (before 3/11)	1
	67-712	TUBE (3/8 x 50 ft, after 3/11)	A/R
15	55-8267	NUT (11/16-16, brass)	1
	55-8268	SHOULDER - o-ring seal	1
16	61-1039	TUBE - suction (1.3 inch ell, before 3/11)	1
	67-1041	TUBE (7/8 x 50 ft, after 3/11)	A/R
17	61-1066	TUBE - suction (.38 inch ell, before 3/11)	1
	67-1041	TUBE (7/8 x 50 ft, after 3/11)	A/R
18	61-1044	TEE - hot gas (before 3/11)	1



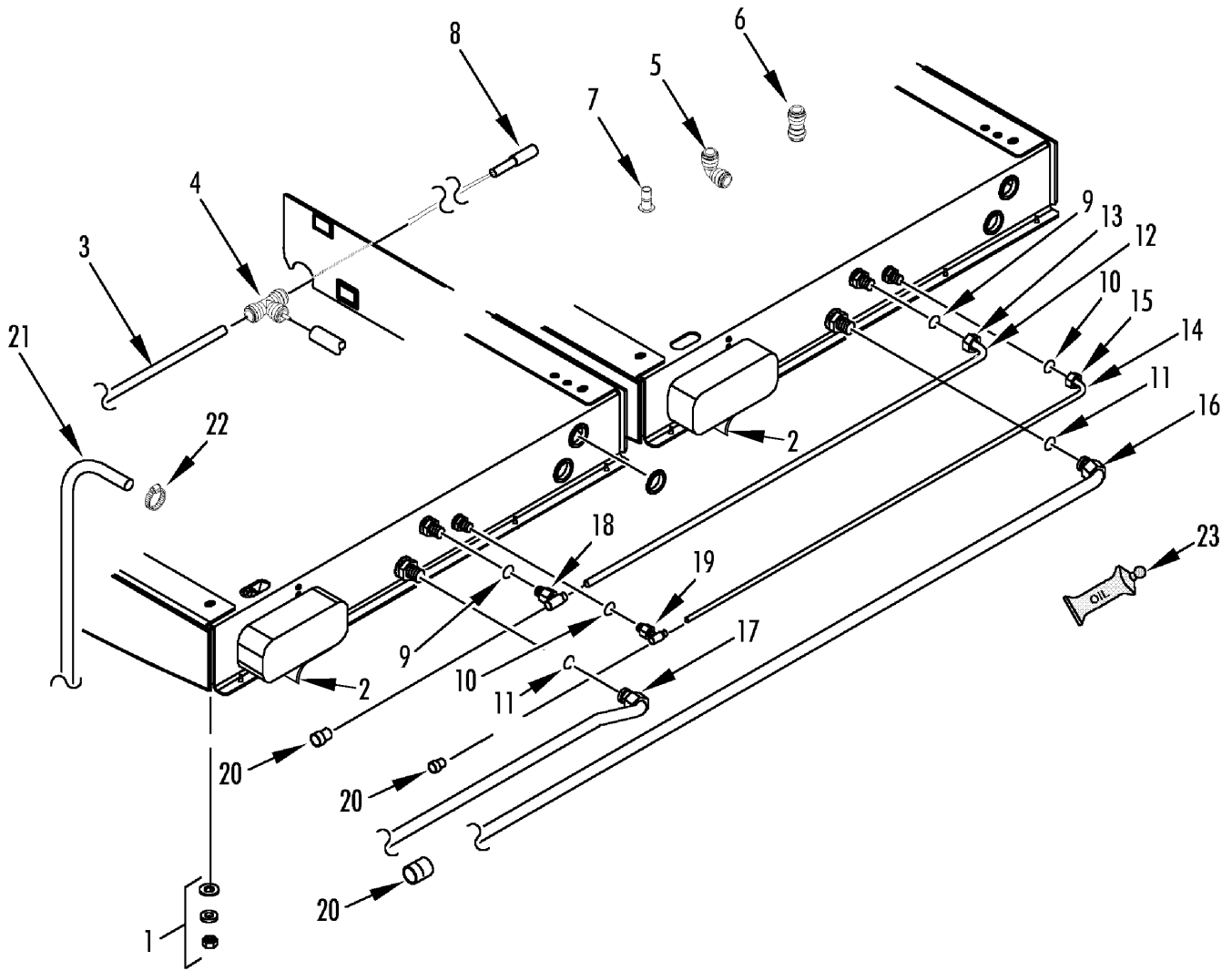
INSTALLATION COMPONENTS (S-2, with o-rings)



168A1

Revised
08/02/12

REF	PART NO.	DESCRIPTION	QTY
	55-2296	TEE (1/2, after 3/11)	1
19	61-1042	TEE - liquid line (before 3/11)	1
	55-3251	TEE (3/8, after 3/11)	1
20	55-2865	COUPLING (1/2 x 3/8)	2
	55-3627	COUPLING (5/8 x 1/2)	1
	55-6523	COUPLING (5/8)	1
	55-3740	COUPLING (7/8)	2
	55-1483	ELBOW (1/2)	1
	55-4142	ELBOW (1/2 x 3/8)	1
	55-2187	ELBOW (5/8)	1
	66-5733	ELBOW (5/8 x 1/2)	1
	55-3326	ELBOW (7/8)	1
	55-2181	TEE (1/2 x 1/2 x 3/8)	1
	66-620	TEE (5/8 x 5/8 x 1/2)	1
21	92-5816	HOSE - drain	2
22	55-2686	CLAMP - hose	2
23	203-497	PACKAGE - refrigeration oil	1
24	66-1273	VALVE - drain	2
25	61-3053	STRAINER - liquid line (in-line)	1



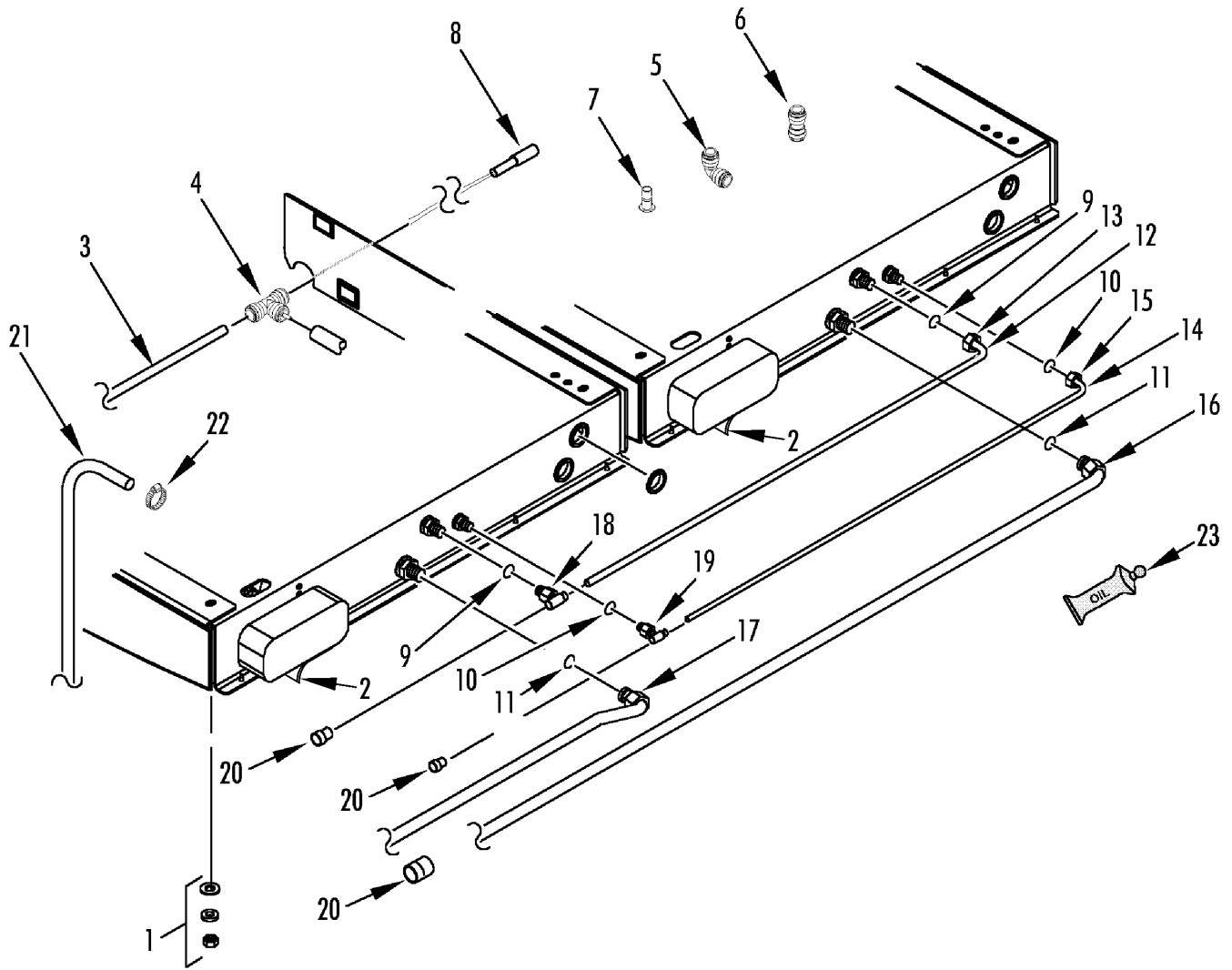
INSTALLATION COMPONENTS (S-3, with o-rings)



168A6

Revised
02/01/12

REF	PART NO.	DESCRIPTION	QTY
1	55-3686	NUT - unit	4
	55-5725	WASHER - special (3/8 thick)	4
	55-9472	WASHER - special	4
	55-9682	WASHER - special	2
2	33-3444	INSULATION - heat exchanger	1
3	92-1455	PIPE - defrost drain (809 mm)	1
	92-1442	PIPE - defrost drain (1000 mm)	1
4	51-249	CONNECTOR - tee (defrost 22 mm turbo drain)	2
5	55-9767	CONNECTOR - elbow (defrost drain)	2
6	55-9768	CONNECTOR - straight (defrost drain)	2
7	55-9766	PLUG - fitting water	2
8	41-4303	WIRE - resistance (3000 mm)	1
	41-4304	WIRE - resistance (4000 mm)	1
	41-4797	WIRE - resistance (7267 mm)	1
	41-4798	WIRE - resistance (9047 mm)	1
9	33-566	O-RING - defrost (1/2 id)	1
10	33-1015	O-RING - liquid (3/8 id)	1
11	33-1222	O-RING - suction (7/8 id)	1
12	61-1043	TUBE - hot gas (before 3/11)	1
	67-1126	TUBE (1/2 x 50 ft, after 3/11)	A/R
13	55-8950	NUT - hexagon (13/16-16)	1
14	61-1041	TUBE - liquid line (before 3/11)	1
	67-712	TUBE (3/8 x 50 ft, after 3/11)	A/R
15	55-8267	NUT - hexagon (11/16-16)	1
16	61-1039	TUBE - suction (complete, before 3/11)	1
	67-1041	TUBE (7/8 x 50 ft, after 3/11)	A/R
17	61-1066	TUBE - suction (3 evaporator, before 3/11)	1
	67-1041	TUBE (7/8 x 50 ft, after 3/11)	A/R
18	61-1044	TEE - hot gas (before 3/11)	1
	55-2296	TEE (1/2, after 3/11)	1
19	61-1042	TEE - liquid line (before 3/11)	1
	55-3251	TEE (3/8, after 3/11)	1
20	55-2865	COUPLING (1/2 x 3/8)	1



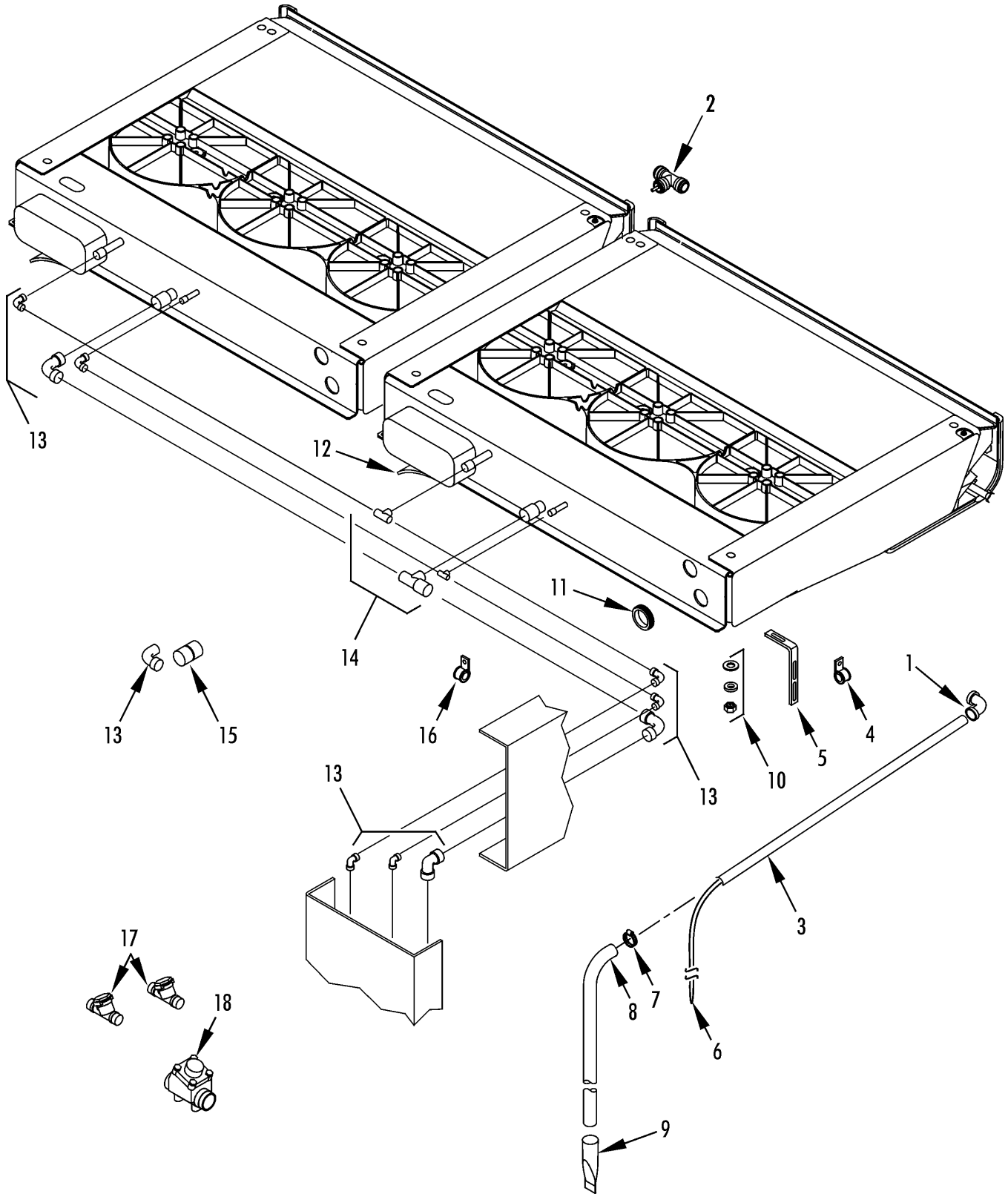
INSTALLATION COMPONENTS (S-3, with o-rings)



168A6

Revised
02/01/12

REF	PART NO.	DESCRIPTION	QTY
	55-3627	COUPLING (5/8 x 1/2)	1
	55-6523	COUPLING (5/8)	1
	55-3740	COUPLING (7/8)	2
21	98-6722	HOSE - drain	2
22	55-2686	CLAMP - hose	2
23	203-497	PACKAGE - refrigeration oil	1
24	33-1217	GROMMET - harness (2 per unit)	4



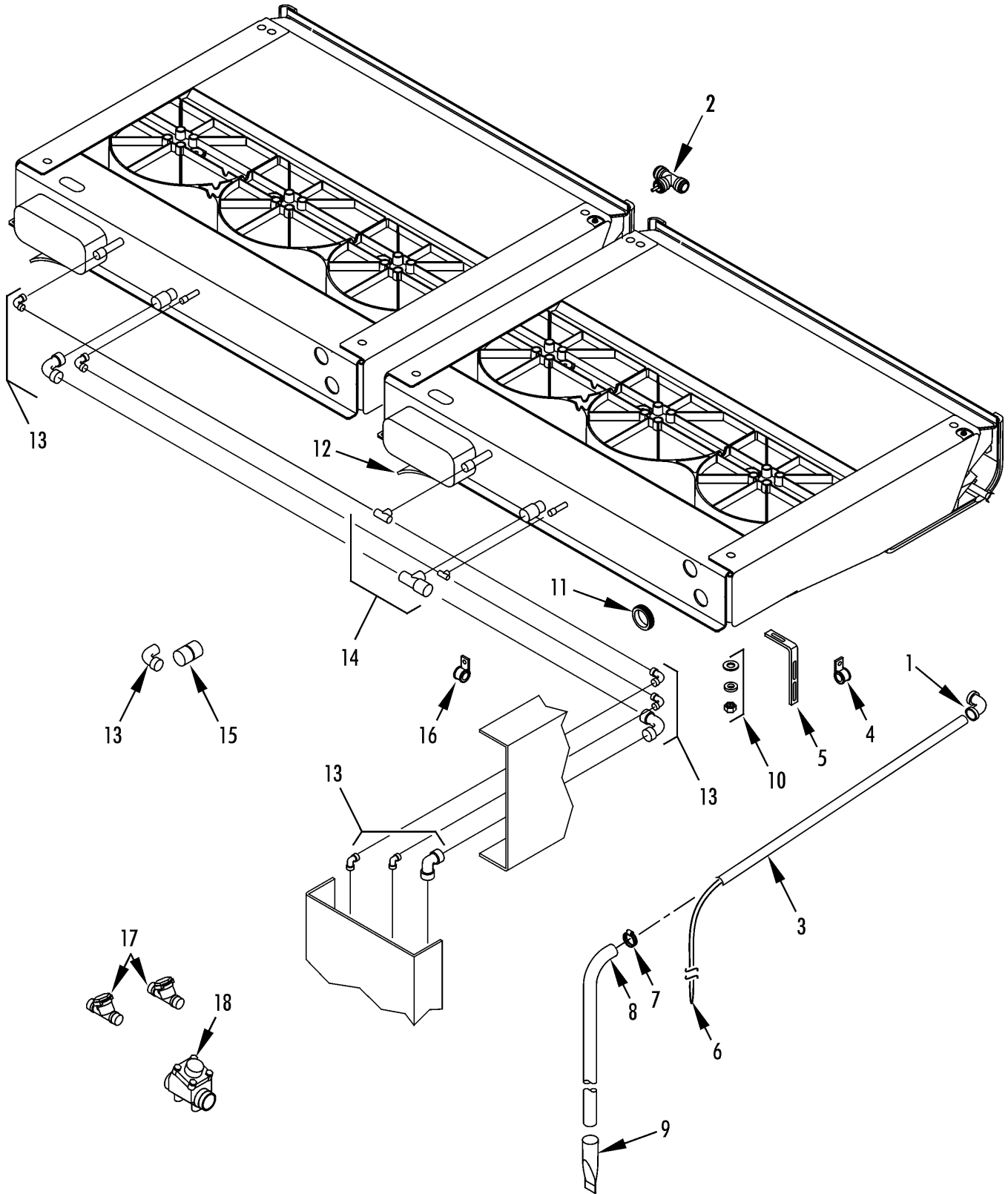
INSTALLATION COMPONENTS (3/11 after, Solder Connections)



259D1

Revised
05/13/12

REF	PART NO.	DESCRIPTION	QTY
1	55-9767	CONNECTOR - elbow (defrost drain)	2
2	51-249	CONNECTOR - tee (defrost drain)	1
3	92-1455	PIPE - defrost drain (809 mm)	1
4	55-3741	CLAMP - tube	1
5	92-2238	BRACKET - tube	1
	55-4666	SCREW - clamp	1
	55-5955	SCREW - bracket	2
	55-4638	FLATWASHER	3
	55-7007	NUT	3
6	41-4797	WIRE - resistance (7267 mm)	1
	41-4798	WIRE - resistance (9047 mm)	1
7	55-2686	CLAMP - hose	1
8	98-6722	HOSE - drain	1
9	66-1273	VALVE - drain	1
10	N/A	NUT - unit (not supplied by Thermo King)	4
11	33-1217	GROMMET (1-3/8 id)	2
12	33-3444	INSULATION - heat exchanger	1
13	55-8812	ELBOW (1/2)	5
	55-4235	ELBOW (5/8)	5
	55-3682	ELBOW (1-1/8 short radius)	1
	55-6506	ELBOW (1-1/8 long radius)	3
	55-3250	ELBOW - street (3/8 ftg 3/8 sld)	1
	55-1464	ELBOW - street (1/2 ftg 1/2 sld)	1
	55-3310	ELBOW - street (1-1/8 ftg 1-1/8 short radius)	1
	55-7159	ELBOW - street (1-1/8 ftg 1-1/8 long radius)	1
14	55-6218	TEE (1/2x3/8x3/8)	1
	55-2296	TEE (1/2x1/2x1/2)	1
	55-904	TEE (5/8x5/8x5/8)	1
	55-8968	TEE (1-1/8x7/8x7/8)	1
	55-7211	TEE (1-3/8x7/8x7/8)	1
15	55-2865	COUPLING - reducing (1/2 x 3/8)	2
	66-8365	COUPLING - reducing (1-3/8 x 7/8)	1
	55-2905	COUPLING - reducing (1-3/8 x 1-1/8)	1



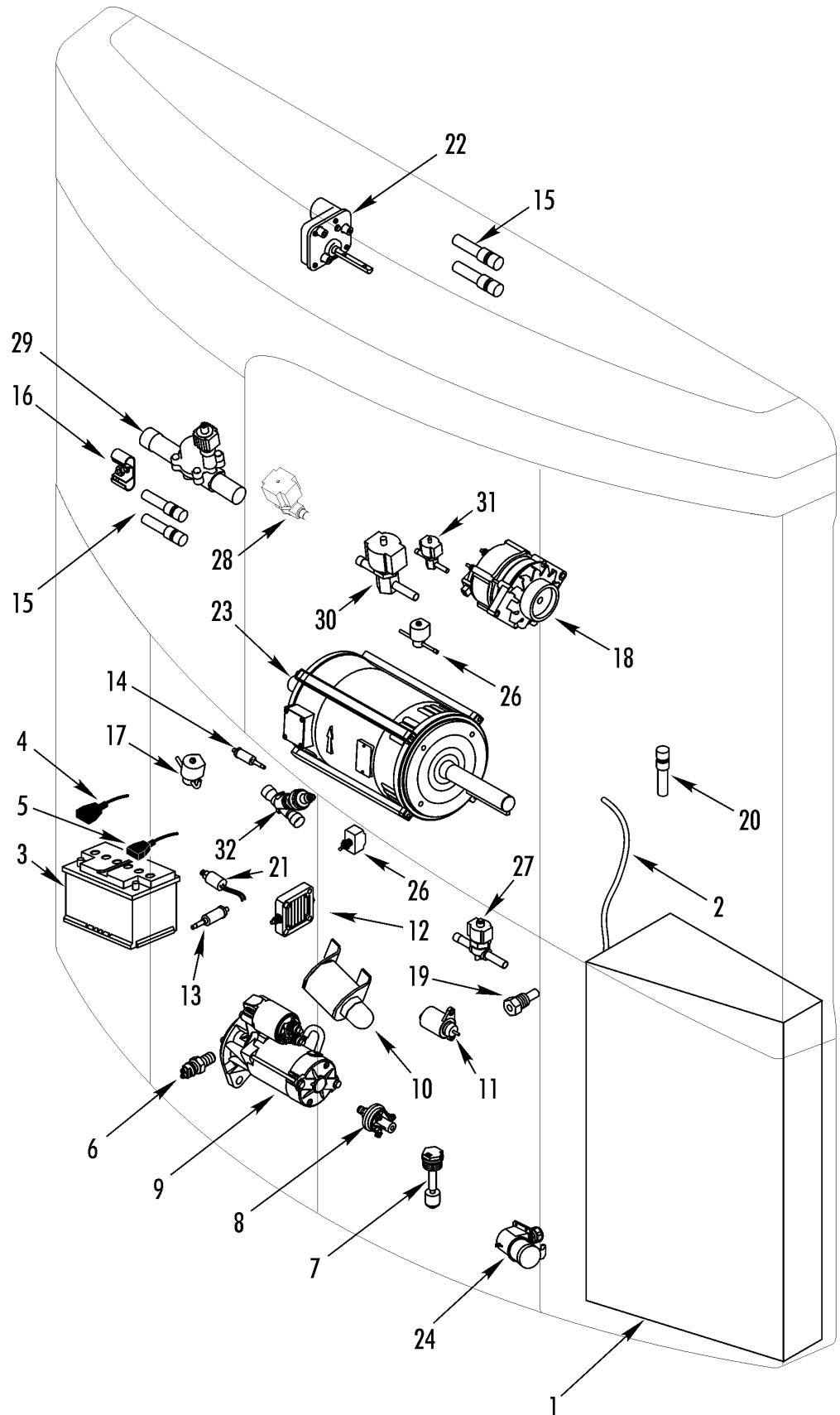
Revised
05/13/12

INSTALLATION COMPONENTS (3/11 after, Solder Connections)



259D1

REF	PART NO.	DESCRIPTION	QTY
	55-8432	COUPLING (1/2)	1
	55-6523	COUPLING (5/8)	1
	66-455	COUPLING (1-1/8)	3
16	55-3065	CLAMP - hose (1/2)	20
	55-4552	CLAMP - hose (1.0)	20
	55-7504	CLAMP - hose (1-1/4)	25
	55-6350	SCREW - clamp	65
17	66-6179	VALVE - check (7/8, see 106C14)	2
18	66-5307	VALVE - check (1-1/8, see 106C14)	1



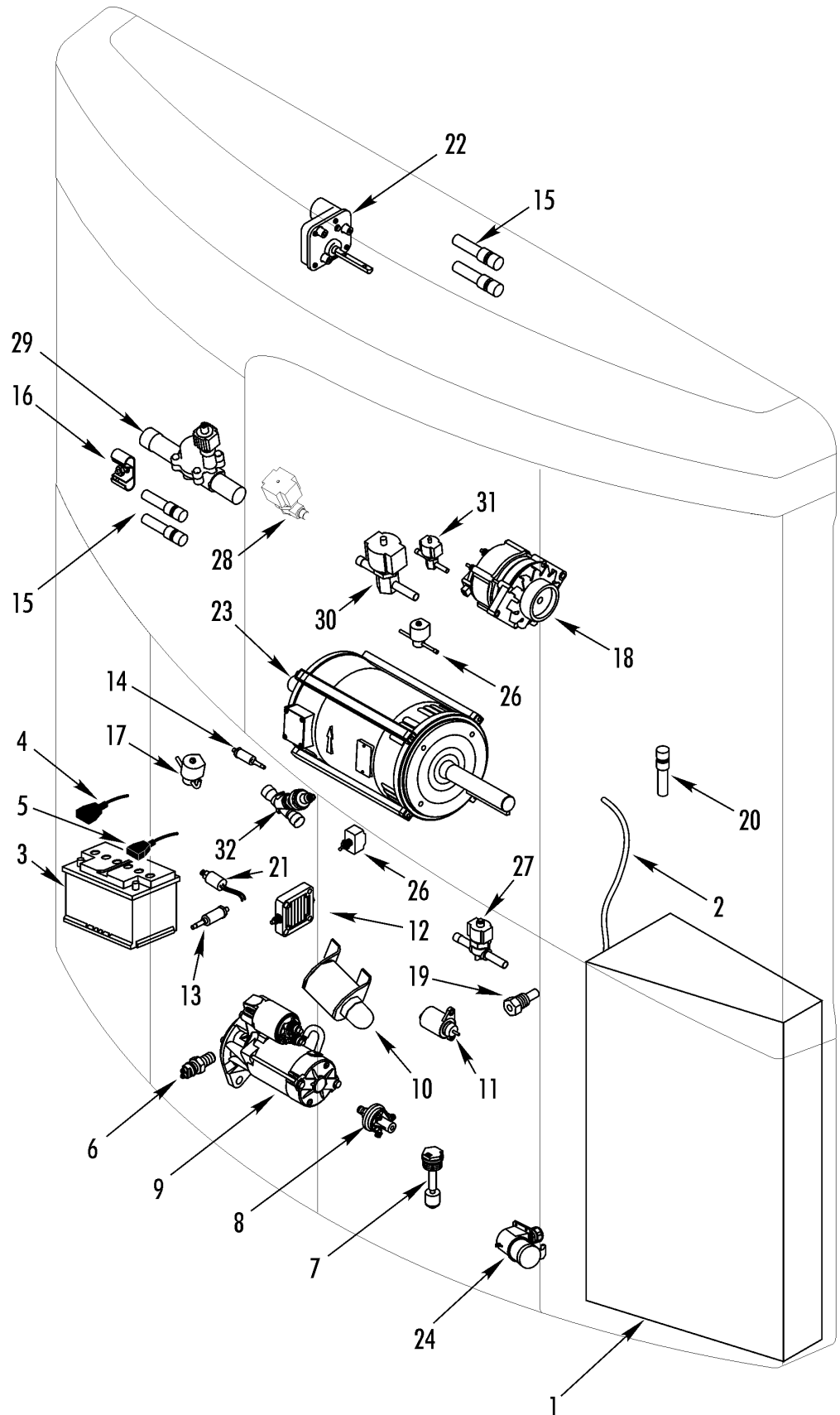
ELECTRIC COMPONENTS (50 units)



235A0

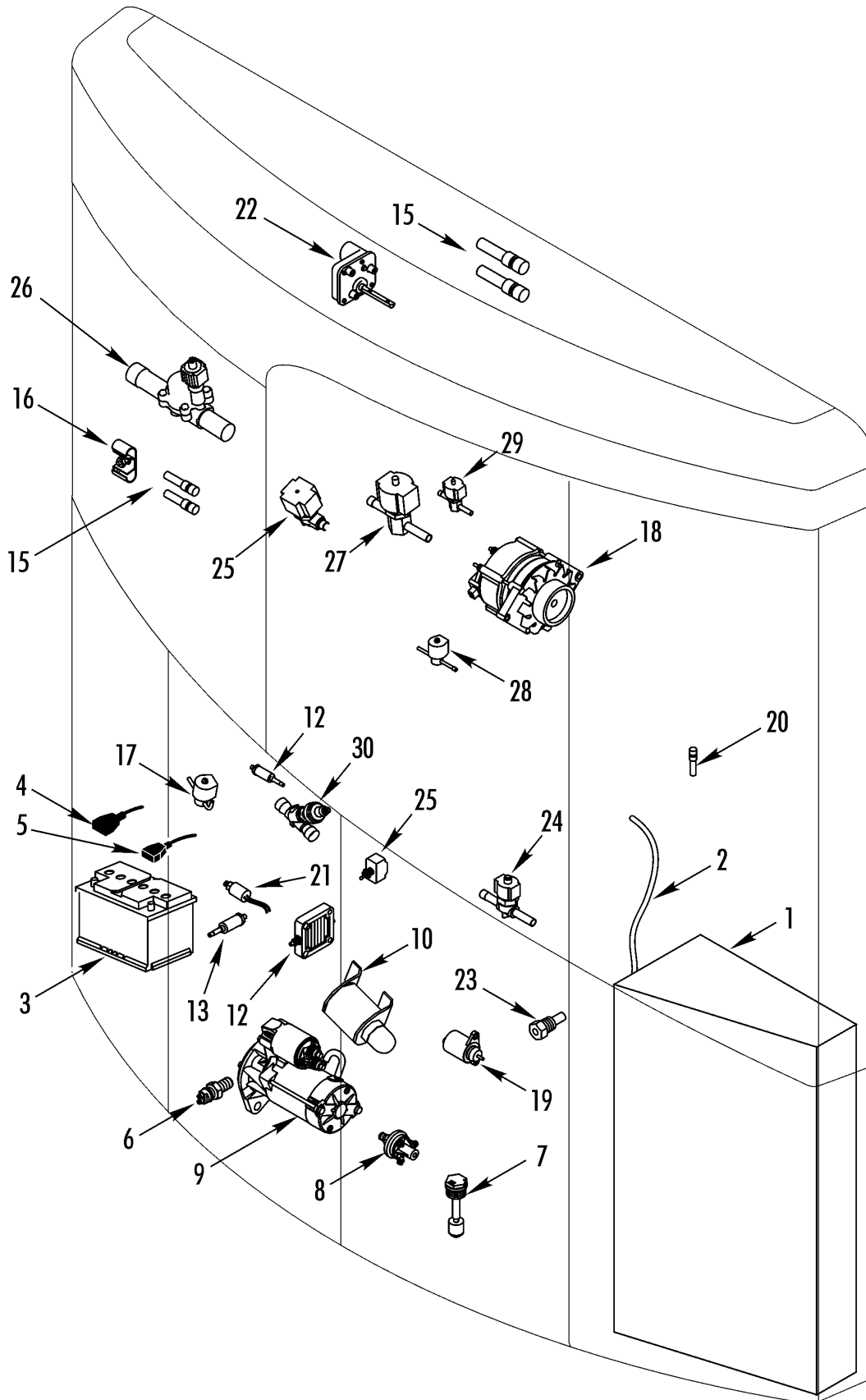
Revised
12/08/12

REF	PART NO.	DESCRIPTION	QTY
1	NSS	CONTROL BOX (metal, see 235C6) (plastic, see 256F3)	1
2	41-8760	HARNESS - main (multi temp, 50's)	1
3	203-777	BATTERY - EON (880 CCA, see 225E9)	1
4	42-250	CABLE - battery (positive)	1
5	41-7976	CABLE - battery (negative)	1
6	41-8105	SENSOR - RPM	1
7	41-4470	SWITCH - oil level	1
	33-4160	*O-RING - switch	1
8	41-6865	SWITCH - oil pressure	1
9	45-2177	STARTER (see 204G3)	1
10	44-9181	SOLENOID - throttle (see 225E5)	1
11	42-100	SOLENOID - stop (see 204G2)	1
12	41-2147	HEATER - intake (see 204F7)	1
13	41-7960	TRANSDUCER - suction	1
14	41-7962	TRANSDUCER - discharge	1
15	40-974	KIT - sensor (graded)	2
16	92-4612	RETAINER - sensor	1
17	66-8560	SOLENOID - purge	1
18	45-2258	ALTERNATOR (120 amp, see 241C1)	1
	41-8465	ALTERNATOR (120 amp new exchange)	1
	845-2258	ALTERNATOR (120 amp remanufactured)	1
19	41-6538	SENSOR - water temperature	1
20	40-975	SENSOR - ungraded	3
21	41-6356	SWITCH - hpco (200 psi, 7/16-20 thread)	1
	41-9459	SWITCH - hpco (375 psi, 7/16-20 thread)	1
22	41-7852	MOTOR - damper door (see 225D11)	1
23	104-756	MOTOR (190 - 460V, see 225E9)	1
	104-770	MOTOR (200V, see 225E9)	1
	104-793	MOTOR (12.5 hp, see 225E9)	1
24	41-519	RECEPTACLE - power (380/3/50, mates w/ 41-520)	1
25	66-7636	SOLENOID - receiver	1
	41-1521	*COIL	1
26	41-4163	SWITCH - on/off (part of main harness)	1



ELECTRIC COMPONENTS (50 units)**235A0**Revised
12/08/12

REF	PART NO.	DESCRIPTION	QTY
27	61-1300	SOLENOID - condenser	1
	44-5174	*COIL	1
	60-275	*KIT - repair	1
28	61-2454	SOLENOID - liquid	1
29	61-3845	SOLENOID - suction (see 138B13)	1
30	61-3401	SOLENOID - defrost (see 116G14)	1
31	61-4132	SOLENOID - hot gas	1
32	61-4253	VALVE - throttling (electric)	1
	40-997	*KIT - valve repair	1



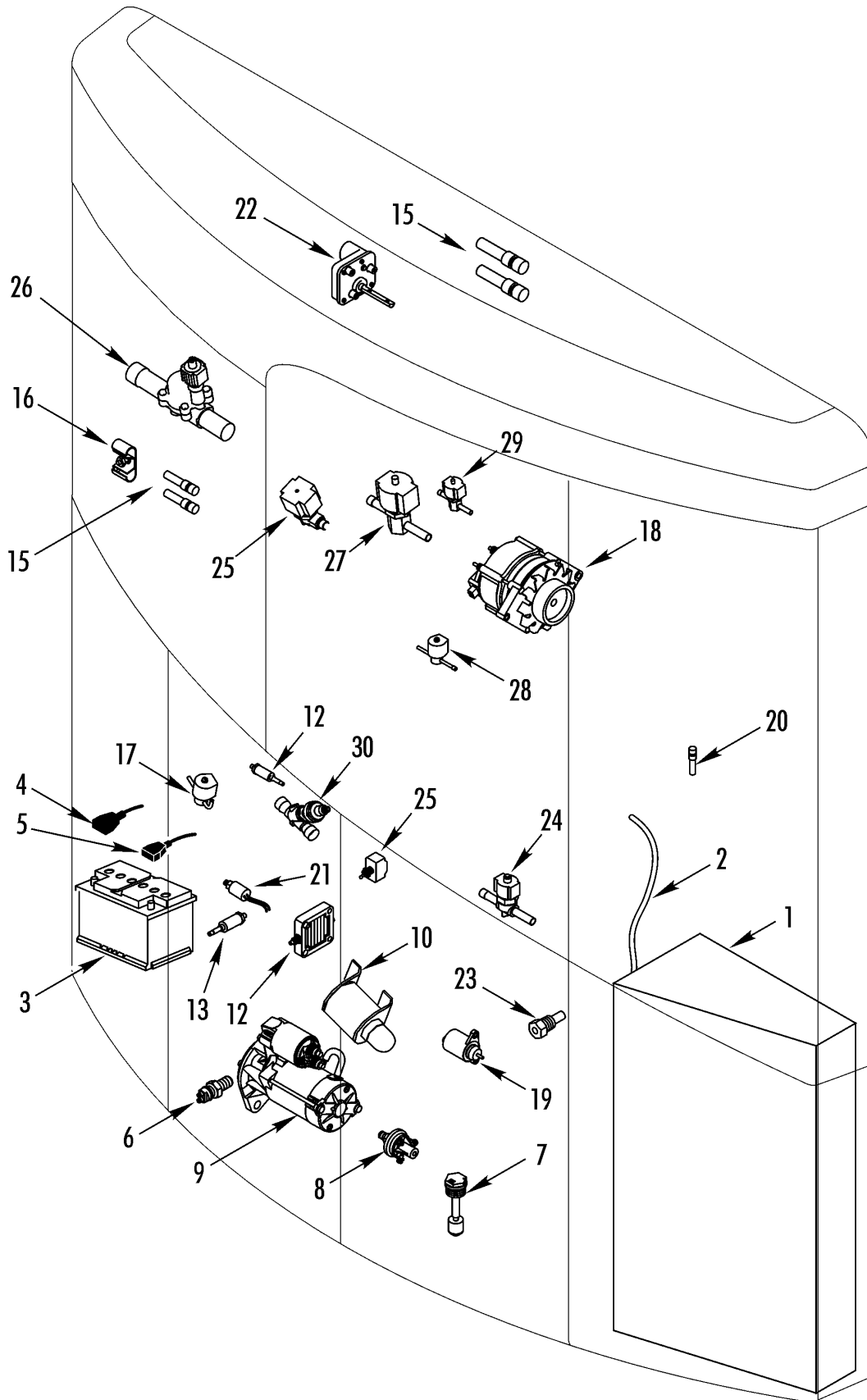
ELECTRIC COMPONENTS (30 units)



235C4

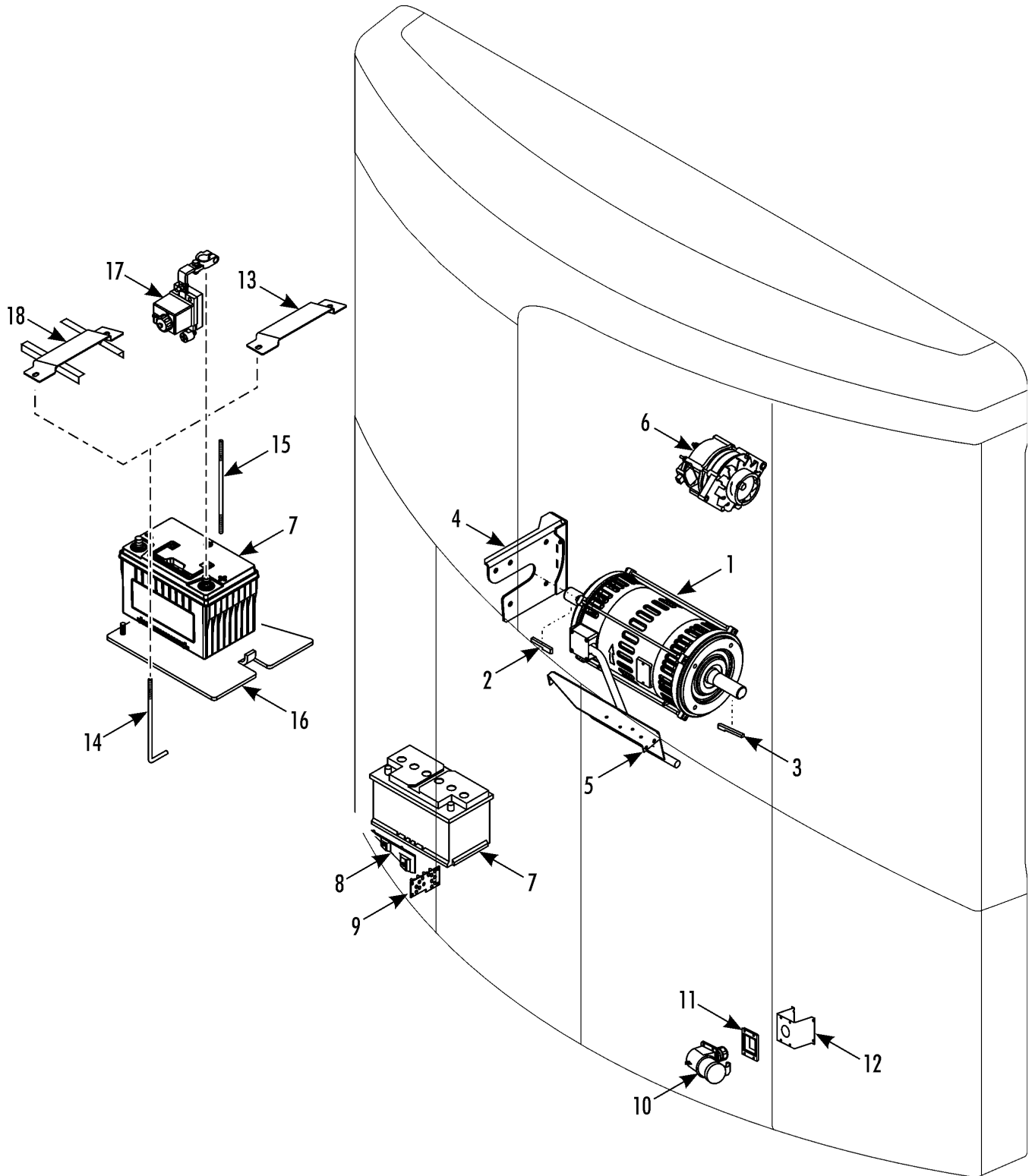
Revised
12/08/12

REF	PART NO.	DESCRIPTION	QTY
1	NSS	CONTROL BOX (see 225C3)	1
2	41-8732	HARNESS - main (multi-temp, 30's)	1
3	203-777	BATTERY - EON (880 CCA, see 225E9)	1
4	42-250	CABLE - battery (positive)	1
5	41-7976	CABLE - battery (negative)	1
6	41-8105	SENSOR - RPM	1
7	41-4470	SWITCH - oil level	1
	33-4160	*O-RING - switch	1
8	41-6865	SWITCH - oil pressure	1
9	45-2177	STARTER (see 204G3)	1
10	44-9181	SOLENOID - throttle (see 225E7)	1
11	42-100	SOLENOID - stop (see 204G2)	1
12	41-2147	HEATER - air intake (see 204F7)	1
13	41-7960	TRANSDUCER - suction	1
14	41-7962	TRANSDUCER - discharge	1
15	40-974	KIT - sensor (graded)	2
16	92-4612	RETAINER - sensor	1
17	66-8560	SOLENOID - purge	1
18	45-2258	ALTERNATOR (120 amp, see 241C1)	1
	41-8465	ALTERNATOR (120 amp new exchange)	1
	845-2258	ALTERNATOR (120 amp remanufactured)	1
19	41-6538	SENSOR - water temperature (see 225E6)	1
20	40-975	SENSOR - ungraded	3
21	41-3669	SWITCH - hpco (375 psi, 1/8 NPT)	1
	41-9459	SWITCH - hpco (375 psi, 7/16-20 thread)	1
	44-5834	SWITCH - hpco (200 psi, 1/8 NPT)	1
	41-6356	SWITCH - hpco (200 psi, 7/16-20 thread)	1
22	41-7852	MOTOR - damper (see 225D11)	1
23	41-4163	SWITCH - on/off (part of main harness)	1
24	61-1300	SOLENOID - condenser	1
	41-1521	*COIL	1
	44-5174	*KIT - repair	1
25	61-2454	SOLENOID - liquid	1



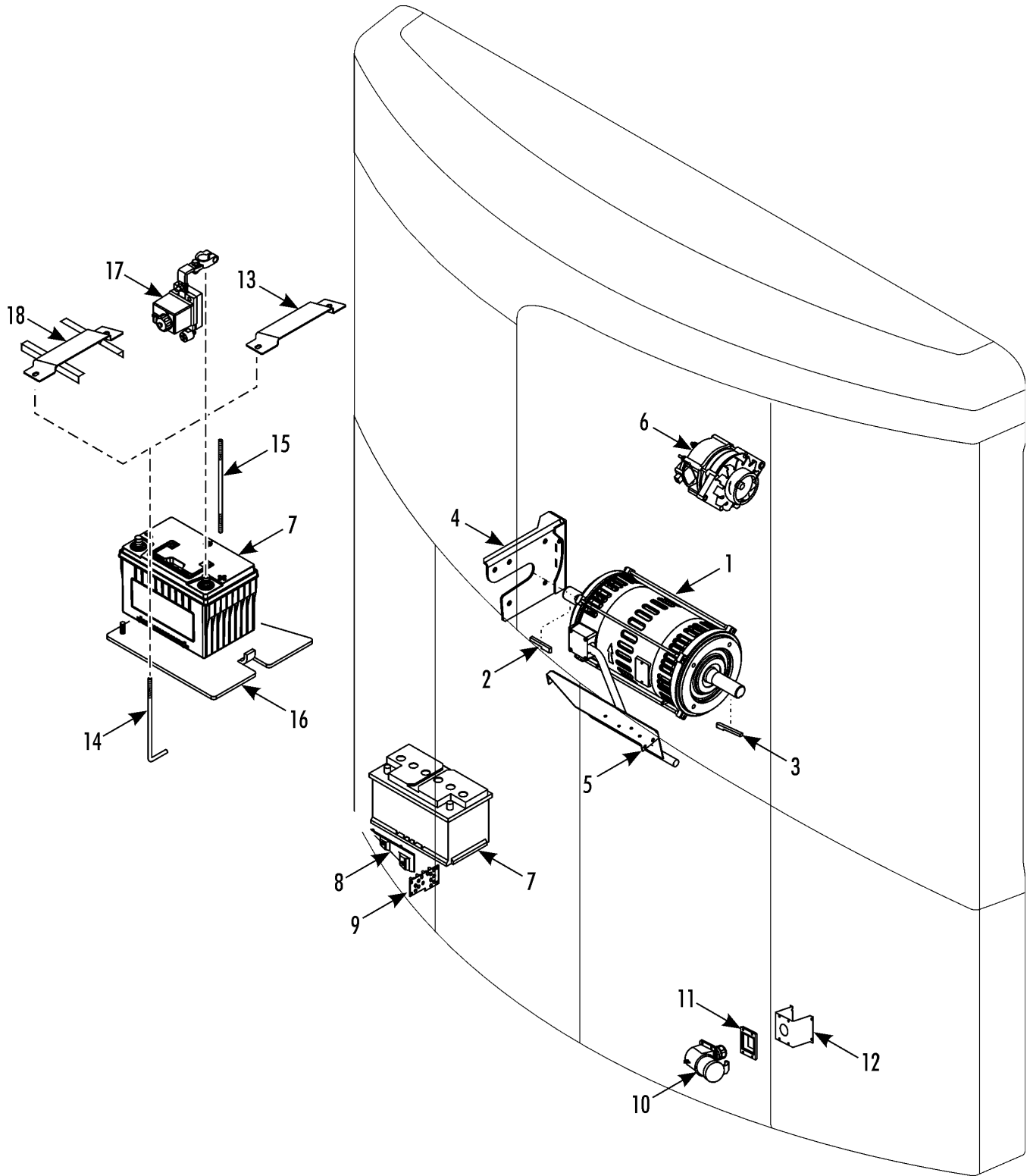
ELECTRIC COMPONENTS (30 units)**235C4**Revised
12/08/12

REF	PART NO.	DESCRIPTION	QTY
26	61-3845	VALVE - suction (see 138B13)	1
27	61-3401	SOLENOID - defrost (see 116G14)	1
28	66-7636	SOLENOID - receiver	1
29	61-4132	SOLENOID - hot gas	1
30	61-4253	VALVE - throttling (electric)	1
	40-997	*KIT - valve repair	1



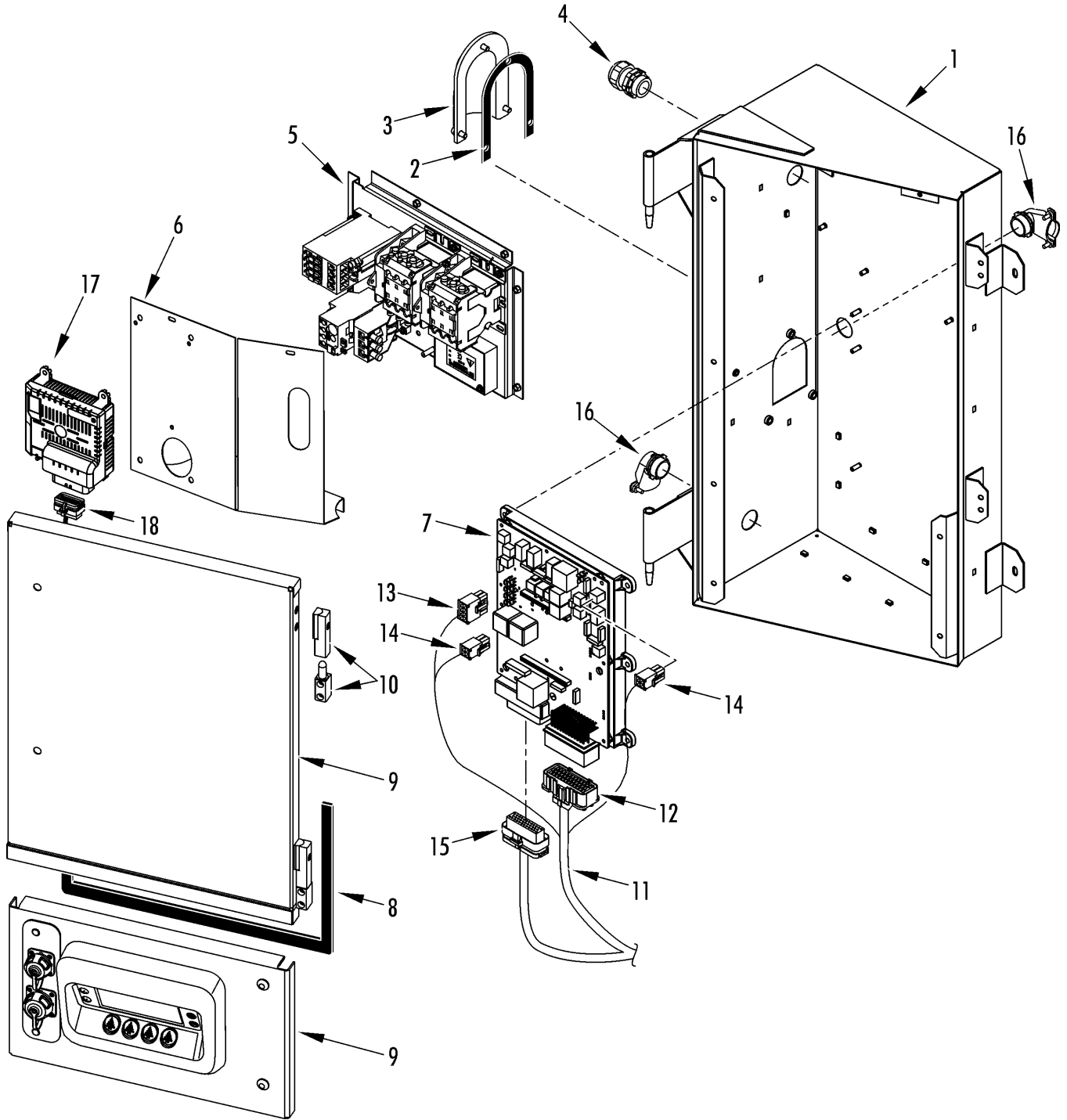


REF	PART NO.	DESCRIPTION	QTY
1	104-756	MOTOR (190 - 460V, see 225D5)	1
	104-770	MOTOR (single temp, 15 hp, see 225D5)	1
	104-793	MOTOR (Spectrum, 12.5 hp, see 256C9)	1
	104-798	MOTOR (Ferry units, 20 hp, see 256C9)	1
	51-1969	*TIE ROD - motor	4
	55-1669	SCREW - motor	6
	55-365	LOCKWASHER	6
	55-7020	WASHER - special	6
2	51-1700	KEY - clutch end	1
3	51-1701	KEY - blower end	1
4	92-6513	BRACKET - motor	1
	55-7350	SCREW - bracket to frame	2
	55-6283	LOCKWASHER	2
	55-5914	FLATWASHER	2
5	92-6514	BRACKET - harness	1
	51-718	SCREW - bracket	4
6	45-2254	ALTERNATOR (37 amp, see 208F4)	1
	45-2258	ALTERNATOR (120 amp, see 241C1)	1
	55-8586	SCREW - alternator (M10)	1
	55-7072	FLATWASHER	4
	55-7005	NUT	3
	55-6215	SCREW - alternator (M8)	1
	55-7727	LOCKWASHER	1
	55-7069	FLATWASHER	1
7	203-777	BATTERY - EON (880 CCA)	1
8	92-6769	BRACKET - battery (before 5/09)	1
	55-7341	SCREW - bracket	2
	55-6988	FLATWASHER	2
	55-7066	LOCKWASHER	2
9	92-6517	PLATE - ground (before 5/09)	1
	55-9762	NUT - ground studs	8
	55-9966	SCREW - plate (M5)	2
	55-7089	FLATWASHER	2





REF	PART NO.	DESCRIPTION	QTY
	55-7404	LOCKWASHER	2
	55-7439	SCREW - plate (M8)	1
	55-8468	LOCKWASHER (int tooth)	1
	55-698	LOCKWASHER (5/16, int/ext tooth)	1
	55-3996	LOCKWASHER (3/8, int/ext tooth)	1
10	41-519	RECEPTACLE - power (380/3/50, mates w/ 41-520)	1
	41-8762	RECEPTACLE - power (2/10 & after, 32AMP 380/400V)	1
	99-9052	*COVER - receptacle	1
11	33-1697	*GASKET - receptacle	2
12	92-1169	BRACKET - receptacle	1
	55-9695	SCREW - bracket	4
	55-9763	NUT	4
	10-422	KIT - installation (EON battery)	1
13	92-8159	*BRACKET - EON battery	1
14	92-580	*ROD - battery (front, L shape)	1
15	92-8160	*ROD - battery (front, i shape)	1
16	92-9110	PLATE - battery	1
17	40-1118	KIT - SafeGuard Battery Disconnect (optional)	1
18	92-9359	BRACKET - holddown	1



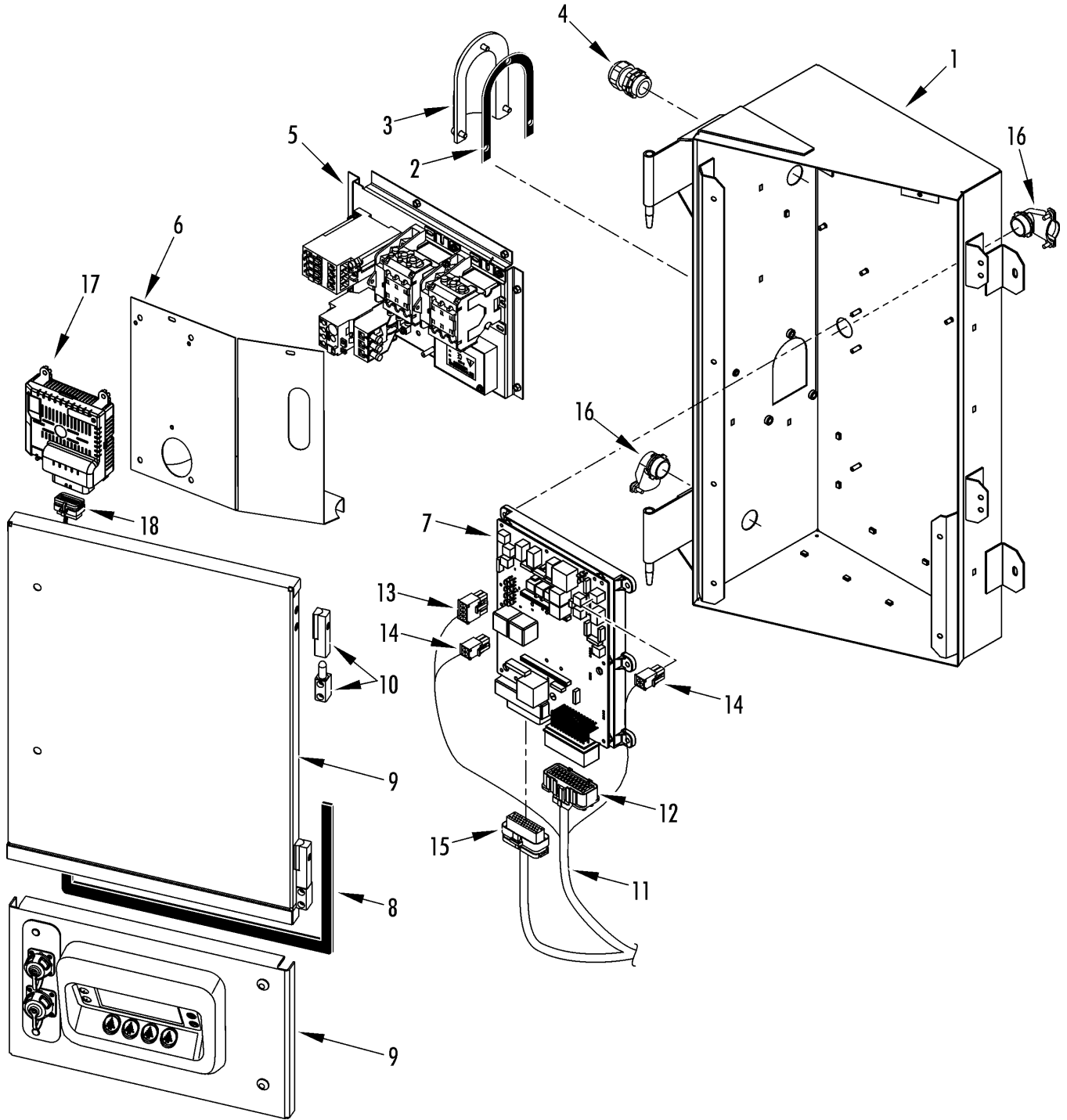
CONTROL BOX - SLX SPECTRUM (metal box)



235C6

Revised
03/31/09

REF	PART NO.	DESCRIPTION	QTY
1	98-7909	BOX - control	1
2	33-3870	GROMMET - shield	1
3	92-3139	COVER - wire	1
	33-3283	GROMMET - springfast	1
	51-718	SCREW - cover	3
	55-1800	LOCKWASHER	3
	55-2086	FLATWASHER	3
4	55-6141	GRIP - harness (50 units)	1
	55-2635	NUT - grip	1
	55-6010	PLUG - button (30 units)	1
5	NSS	TRAY - high voltage (see 189B7)	1
6	92-6510	SHIELD - high voltage tray	1
	55-9693	SCREW - cover	2
	92-4321	NAMEPLATE - 400/3/50	1
	99-7834	NAMEPLATE - Caution	1
7	NSS	CONTROLLER (see 225D8)	1
	51-717	NUT - board	8
8	33-3879	GASKET - cover	1
9	NSS	COVER - control box (see 225D9)	1
10	92-577	HINGE - cover	2
	92-575	SPACER - hinge	2
	55-9480	SCREW - hinge to cover	4
	55-9481	SCREW - hinge to box	4
11	41-8760	HARNESS - main (50 units)	1
12	44-9769	*CONNECTOR (36-pin)	2
	44-8768	*LOCK - connector	1
13	44-5719	*CONNECTOR (8-pin)	1
14	41-5710	*CONNECTOR (4-pin)	2
15	41-2407	*PLUG - connector (35-pin)	1
16	55-9129	GRIP - harness (50 units)	2
	55-6010	PLUG - grip hole (30 units)	3
17	41-6889	MODULE - expansion	1
	55-9693	SCREW - module	4



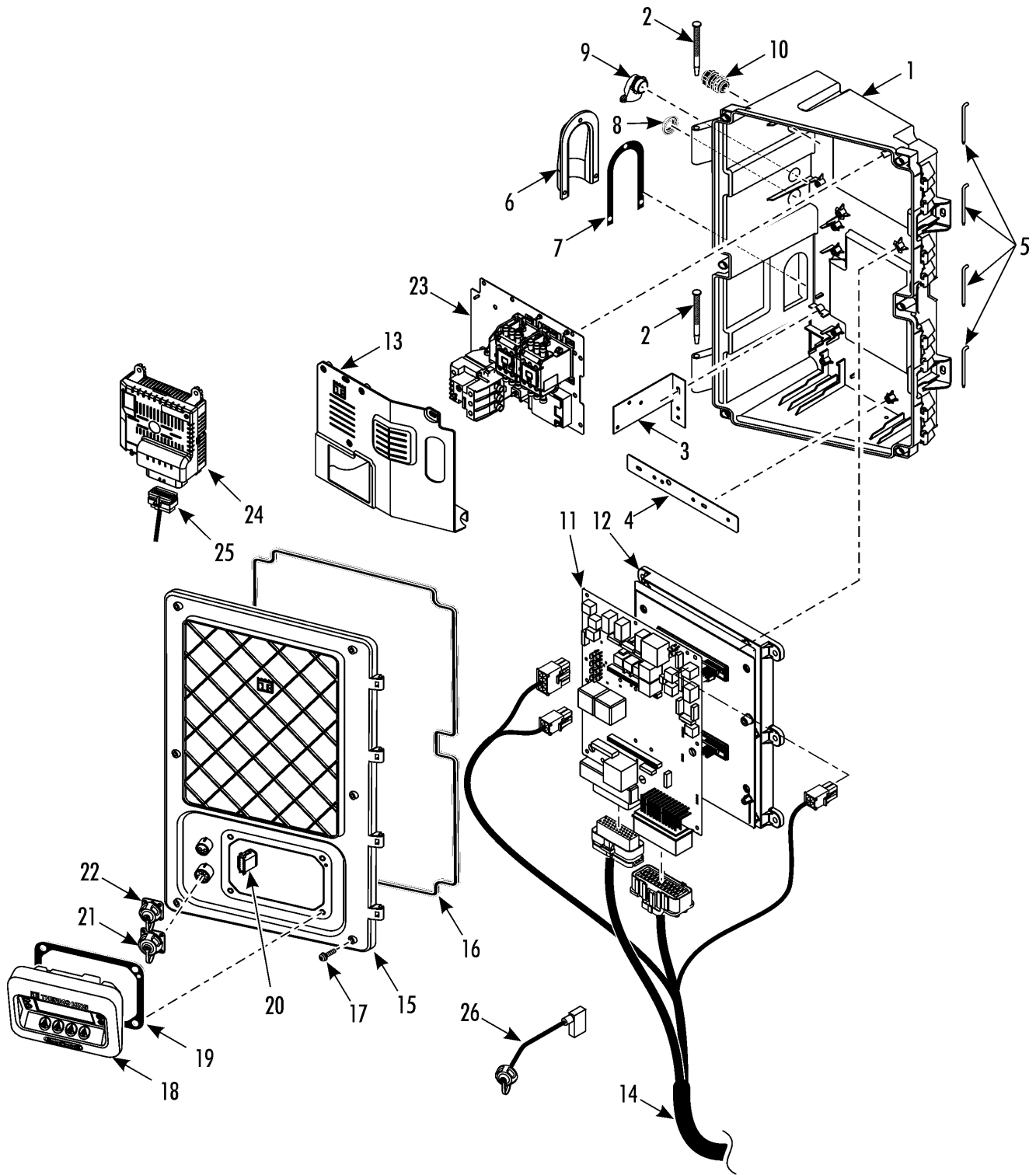
CONTROL BOX - SLX SPECTRUM (metal box)



235C6

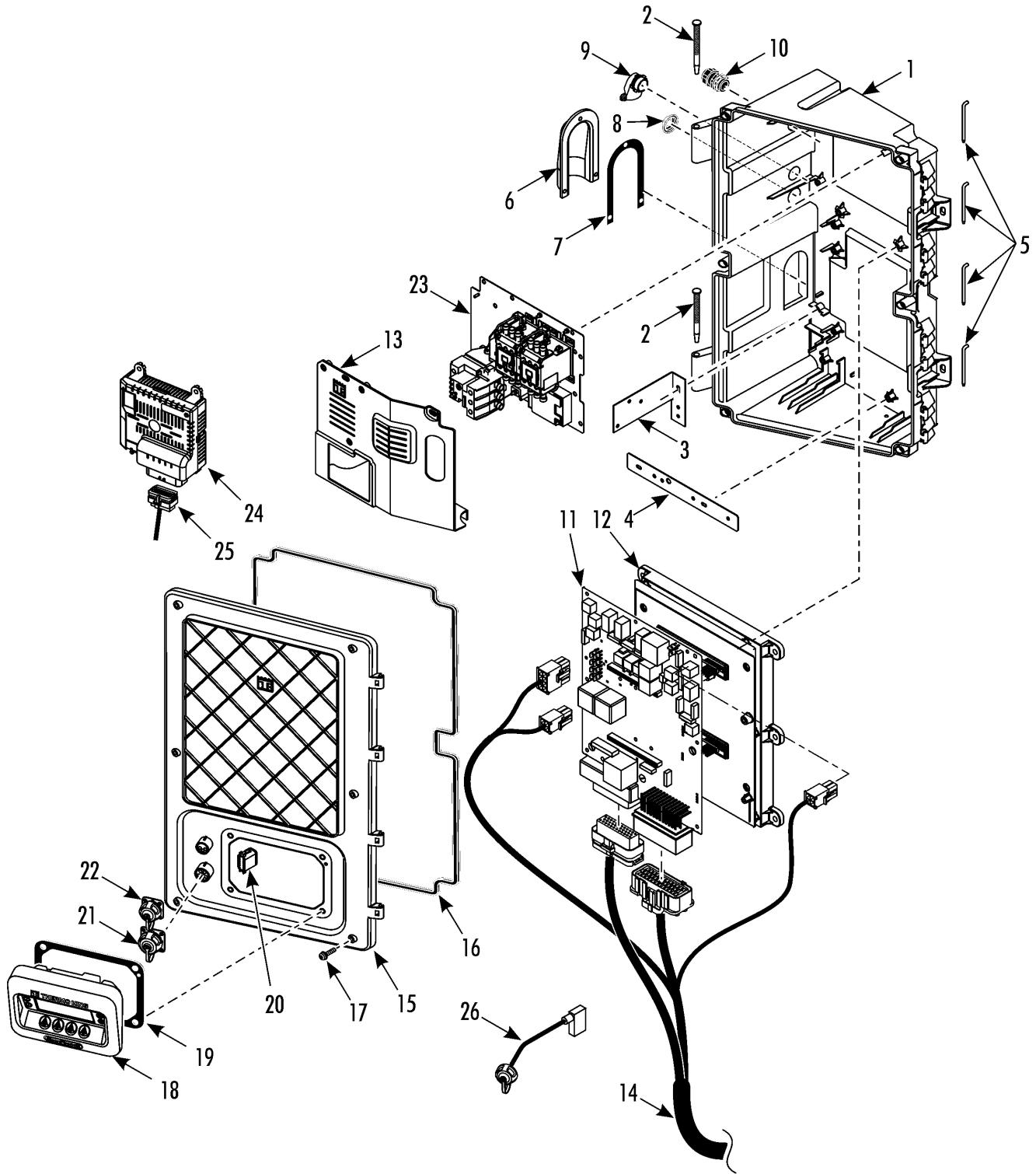
Revised
03/31/09

REF	PART NO.	DESCRIPTION	QTY
18	41-8761	HARNESS - expansion module	1
	41-8125	*PLUG - 35 terminal	1



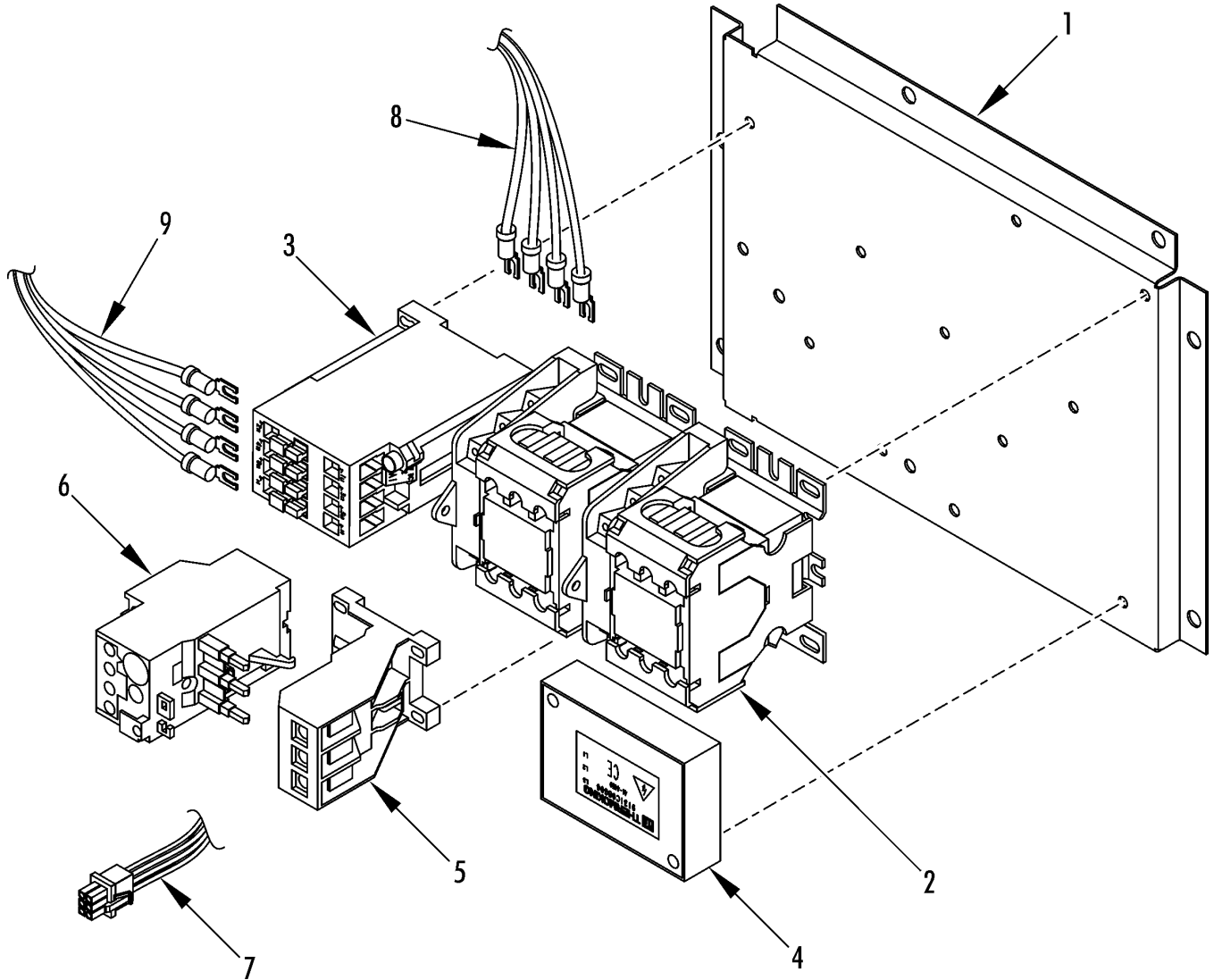
CONTROL BOX - SLX SPECTRUM (plastic box)**256F3**Revised
01/19/13

REF	PART NO.	DESCRIPTION	QTY
1	98-8373	CONTROL BOX - plastic	1
	51-2014	*INSERT - threaded (M4)	26
	51-2015	*INSERT - threaded (M6)	9
2	92-8311	*PIN - hinge	2
	51-2019	SCREW - control box to frame	5
	51-167	FLATWASHER	2
3	51-2016	BRACKET - cable tie	1
4	92-8314	BRACKET - cable tie	1
	55-9694	SCREW - bracket	3
5	92-8312	PIN - door hinge	4
6	92-8365	COVER - harness	1
	55-9761	SCREW - cover	2
7	33-4630	GASKET - cover	1
8	55-6010	PLUG - button	1
9	55-6141	CONNECTOR - harness grip (90 degrees)	1
10	55-9129	CONNECTOR - harness grip (straight)	1
	55-2635	NUT - connector	1
11	45-2276	BOARD - interface (SPECTRUM, SR-2, see 235C7)	1
	845-2276	BOARD - interface (reman, SPECTRUM, SR-2, see 235C7)	1
12	45-2268	BOARD - controller (SPECTRUM, SR-2, see 235C7)	1
	845-2268	BOARD - controller (reman, SPECTRUM, SR-2, see 235C7)	1
	45-2504	BOARD - controller (SPECTRUM, SR-3, see 235C7)	1
13	92-7975	COVER - high voltage tray (plastic)	1
	55-9694	SCREW - cover	4
14	41-8760	HARNESS - main (SPECTRUM 50 units)	1
	41-8732	HARNESS - main (SPECTRUM 30 units)	1
15	98-8374	DOOR - control box	1
16	33-4629	GASKET - control box door	1
17	51-2019	SCREW - door	6
18	45-2372	CONTROLLER - HMI-3 (w/ gasket)	1
	55-3018	SCREW - controller	4
	55-2086	FLATWASHER	4
19	33-3628	GASKET - controller	1



CONTROL BOX - SLX SPECTRUM (plastic box)**256F3**Revised
01/19/13

REF	PART NO.	DESCRIPTION	QTY
20	92-6511	HARNESS - communication	1
	42-514	HARNESS - host, null (optional)	1
	51-2018	SCREW - receptacle	4
	55-9696	NUT	4
21	92-3283	CAP - dust (6-pin)	1
22	92-3067	CAP - dust (5-pin)	1
23	NSS	TRAY - high voltage (see 189B7)	1
	55-9694	SCREW - tray	4
24	41-6889	MODULE - expansion	1
25	41-8761	HARNESS - expansion module	1
26	42-164	CABLE - USB-A SR-3	1
	93-588	*CAP - cable	1



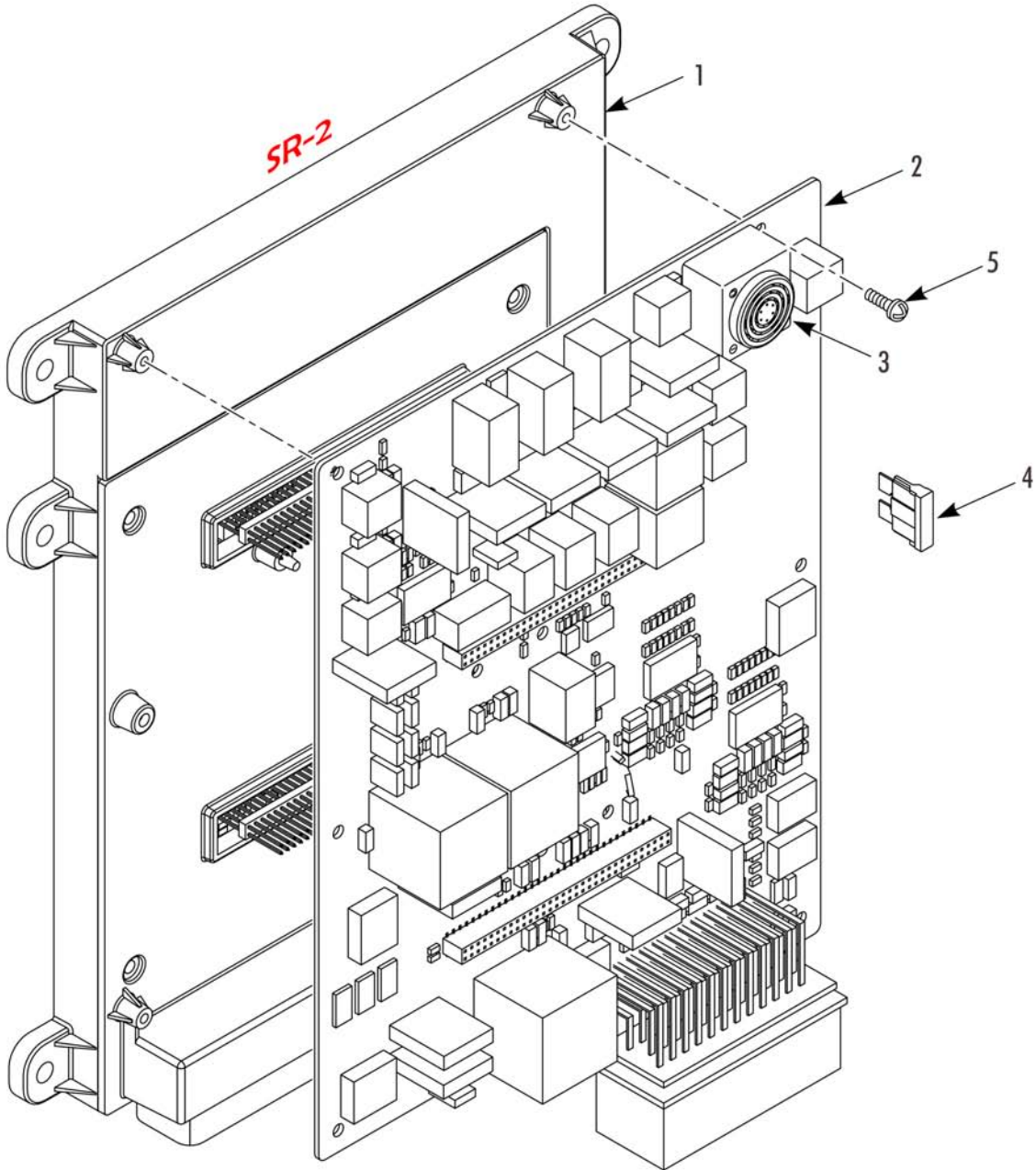
HIGH VOLTAGE TRAY ASSEMBLY



189B7

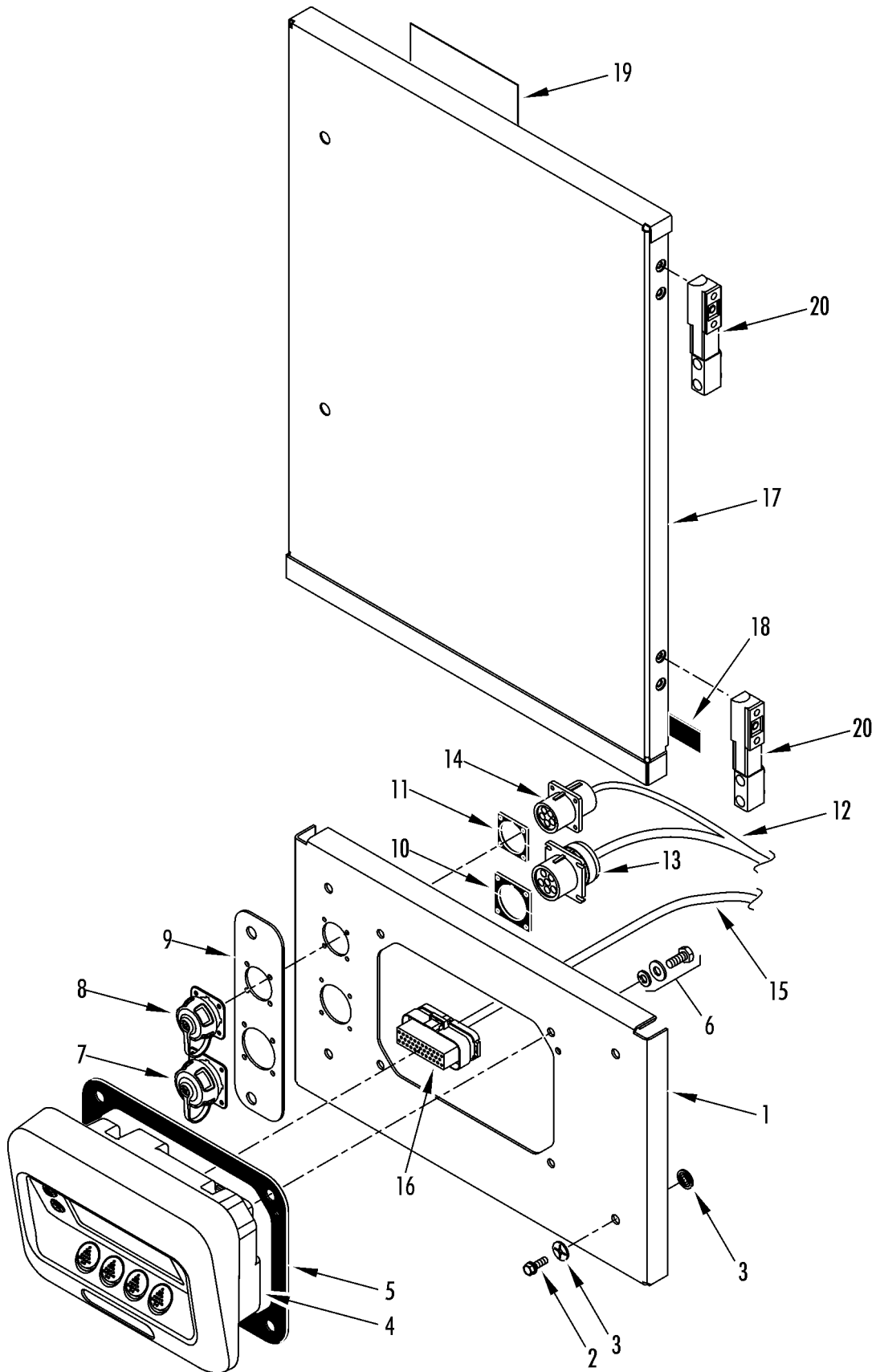
Revised
08/21/12

REF	PART NO.	DESCRIPTION	QTY
1	92-3287	TRAY - high voltage (190-380/3/50)	1
	92-8366	TRAY - high voltage (for plastic control box, 190-380/3/50)	1
	92-6940	TRAY - high voltage (200/3/50-60, Japan)	1
2	41-5630	CONTACTOR - motor (12 volt coil)	2
	41-5631	CONTACTOR - motor (24 volt coil)	2
	41-9391	CONTACTOR - motor (for plastic control box, 190-380/3/50)	2
	55-9693	SCREW - contactor	2
3	44-9081	CONTACTOR - heater (optional on SLX, see grid 226A0)	1
4	41-4800	SELECTOR - phase	1
	55-9695	SCREW - selector	2
5	41-7563	BRACKET - overload relay (190-380/3/50, before 9/12)	1
	41-6096	BRACKET - overload relay (190-380/3/50, 9/12 & after)	1
	41-738	BRACKET - overload relay (200/3/50-60, Japan)	1
	55-9694	SCREW - bracket	2
6	41-7564	RELAY - overload (190-380/3/50, before 9/12)	1
	41-6409	RELAY - overload (190-380/3/50, 9/12 & after)	1
	41-6095	RELAY - overload (200/3/50-60, Japan)	1
7	41-5683	HARNESS - high voltage (SL)	1
	41-9392	HARNESS - high voltage (SLX)	1
	41-5745	*CONNECTOR (6-pin)	1
8	41-4122	HARNESS - power (SL)	1
	41-8026	HARNESS - power (SLX)	1
	41-8189	HARNESS - power (SLX, Japan)	1
9	41-2274	HARNESS - heater	1



CONTROLLER INTERFACE ASSEMBLY**235C7**Revised
01/15/13

REF	PART NO.	DESCRIPTION	QTY
1	45-2268	BOARD - controller (SPECTRUM SR-2)	1
1	845-2268	BOARD - controller (reman, SPECTRUM SR-2)	1
2	45-2276	BOARD - interface (SPECTRUM SR-2)	1
	845-2276	BOARD - interface (reman, SPECTRUM SR-2)	1
3	45-2504	BOARD - controller (SPECTRUM SR-3)	1
4	41-8291	BUZZER - warning	1
5	41-1932	FUSE (1 amp)	1
	41-2543	FUSE (2 amp)	4
	44-9524	FUSE (3 amp)	3
	44-9359	FUSE (7.5 amp)	1
	44-9758	FUSE (10 amp)	1
	44-9344	FUSE (15 amp)	2
	41-226	FUSE (40 amp)	1
	41-3666	FUSE (60 amp)	1
6	51-1767	SCREW - interface board	6



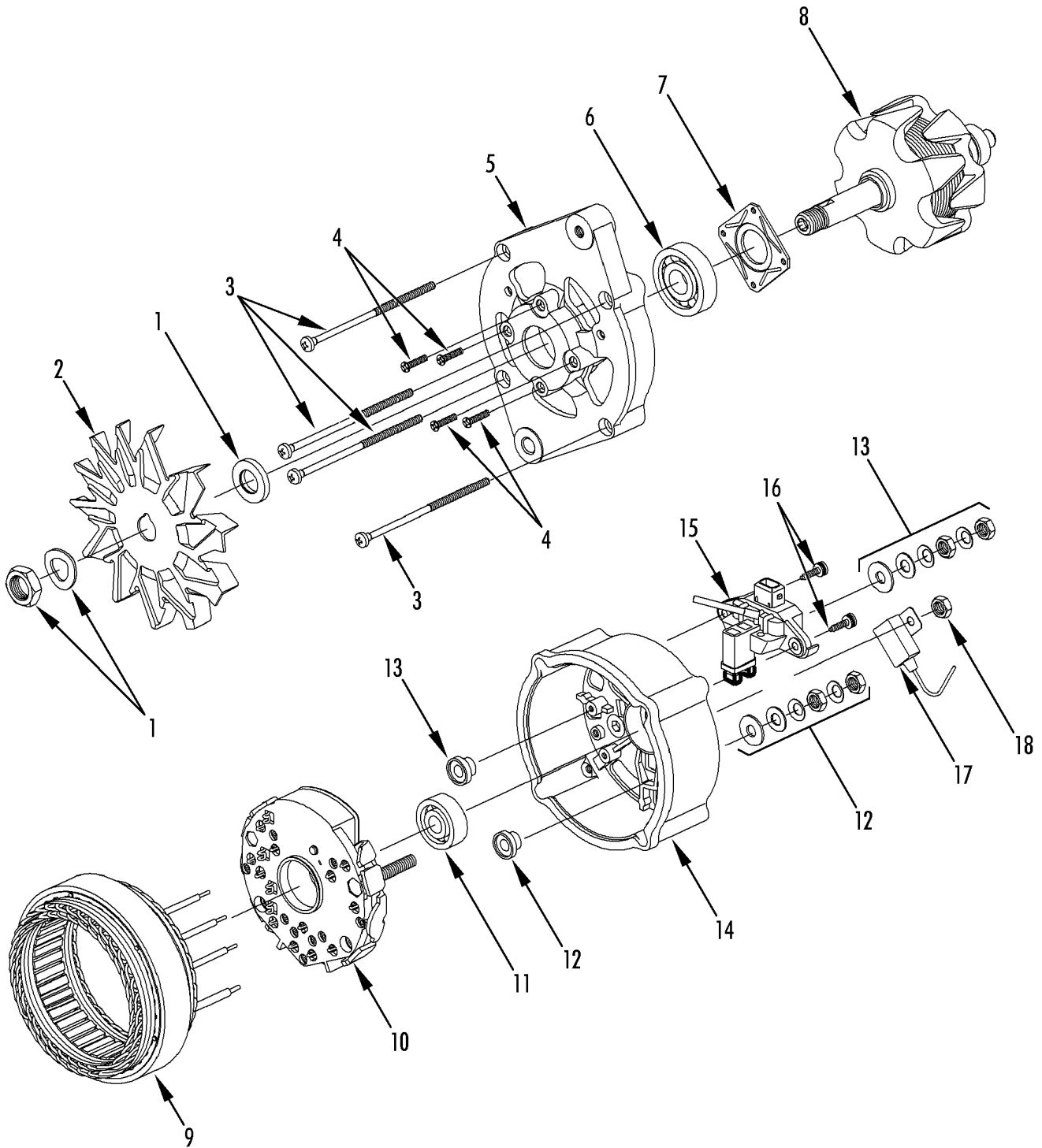
COVER - CONTROL BOX (metal control box)



225D9

Revised
01/19/13

REF	PART NO.	DESCRIPTION	QTY
1	92-6545	COVER - control box (HMI)	1
2	51-1809	SCREW - cover	6
3	55-9483	WASHER - retaining	6
4	45-2372	CONTROLLER - HMI-3 (w/ gasket)	1
5	33-3628	GASKET - controller	1
6	55-3018	SCREW - controller	4
	55-2086	FLATWASHER	4
	55-1800	LOCKWASHER	4
7	92-3068	CAP - dust (6-pins)	1
	33-3866	*GASKET - cap	1
8	92-3067	CAP - dust (5-pin)	1
	33-3865	*GASKET - cap	1
	55-9477	SCREW - cap	8
	55-9696	NUT & WASHER	8
9	92-5711	NAMEPLATE - communications port	1
10	33-3867	GASKET (6-pin connector)	1
11	33-3868	GASKET (5-pin connector)	1
12	92-6511	HARNESS - communications	1
13	44-8329	*RECEPTACLE - printer (6-pin)	1
14	41-2405	*RECEPTACLE - computer (5-pin)	1
	44-9591	*TERMINAL - pin (16-18 ga)	10
15	41-7965	HARNESS - main (50 units, single temp)	1
	41-8025	HARNESS - main (30 units, single temp)	1
	41-8760	HARNESS - main (SPECTRUM)	1
16	41-5001	*PLUG - HMI (35-pin)	1
	41-2457	*TERMINAL - socket	26
17	92-6512	DOOR - control box	1
18	33-3879	*GASKET - door	1
19	92-6766	*NAMEPLATE - control box setup	1
20	92-577	HINGE - cover	2
	55-9480	SCREW - hinge to cover	4
	55-9481	SCREW - hinge to box	4



ALTERNATOR ASSEMBLY (120 AMP)

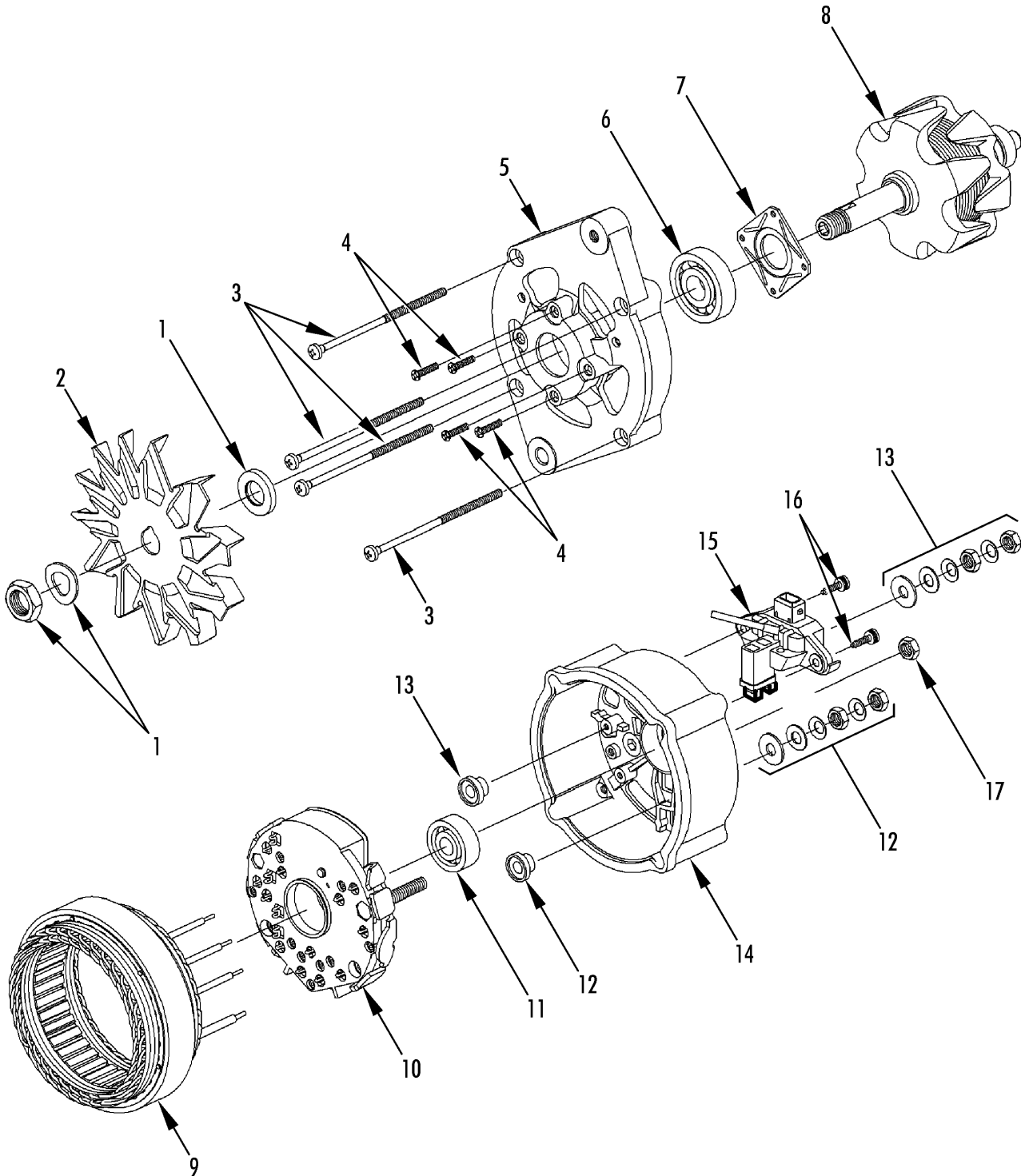


208F6

Revised
03/23/12

REF	PART NO.	DESCRIPTION	QTY
	41-6782	ALTERNATOR (120 amp, see note)	1
1	51-1255	*NUT	1
	51-1254	*WASHER	1
2	41-6867	*FAN	1
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	41-6877	*ROTOR	1
9	41-6874	*STATOR	1
10	NSS	*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
14	41-6866	*HOUSING - rear	1
15	41-8851	*REGULATOR & BRUSH	1
16	51-1312	*SCREW - brush	2
17	41-6871	*CAPACITOR	1
18	51-1260	*NUT	2
	51-1259	*LOCKWASHER	2

NOTE: Alternator 41-6782 is replaced with 45-2258, see Grid 241C1.



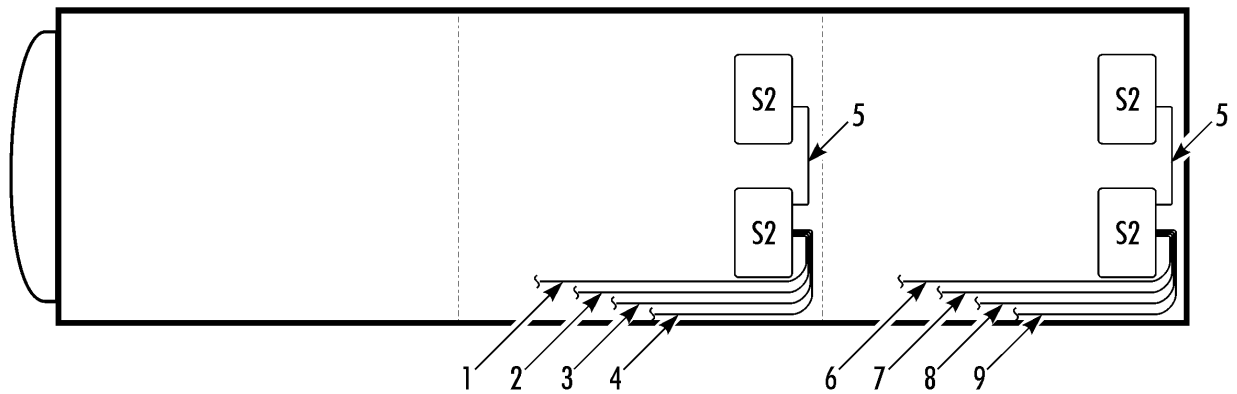
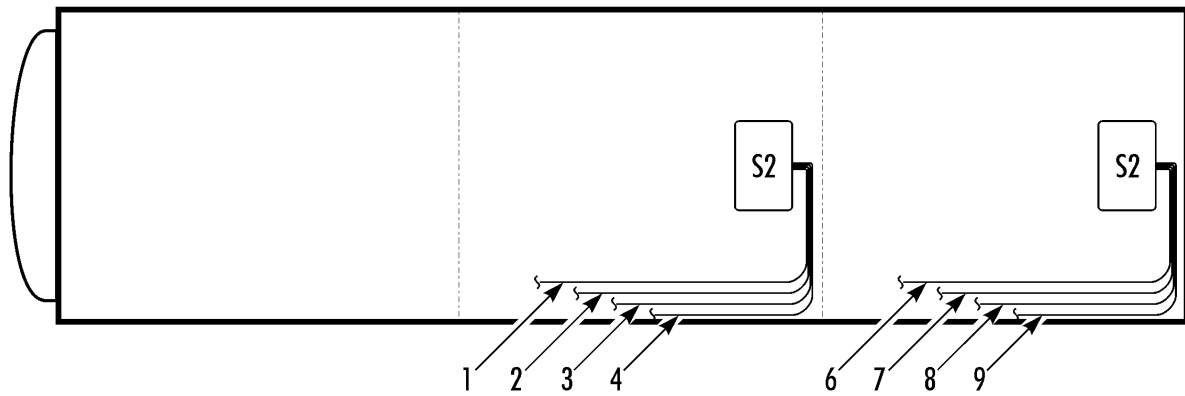
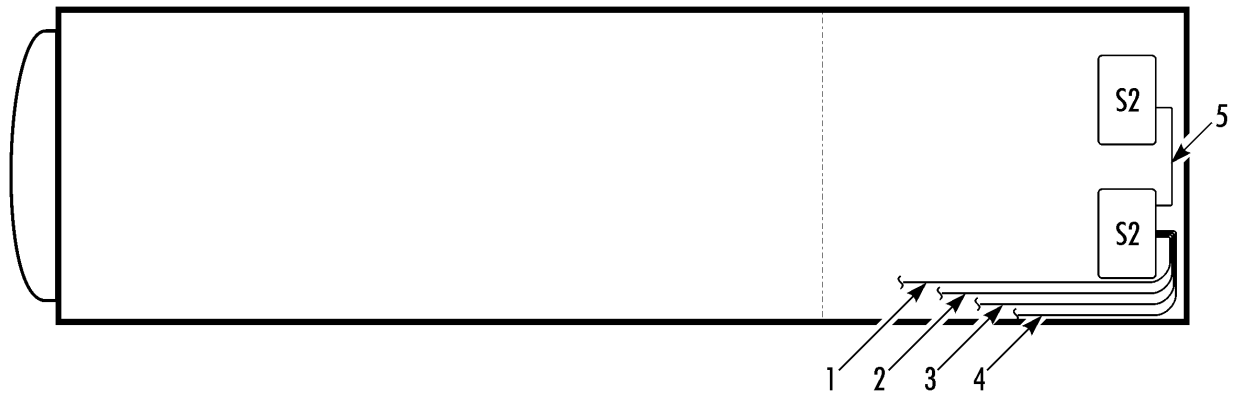
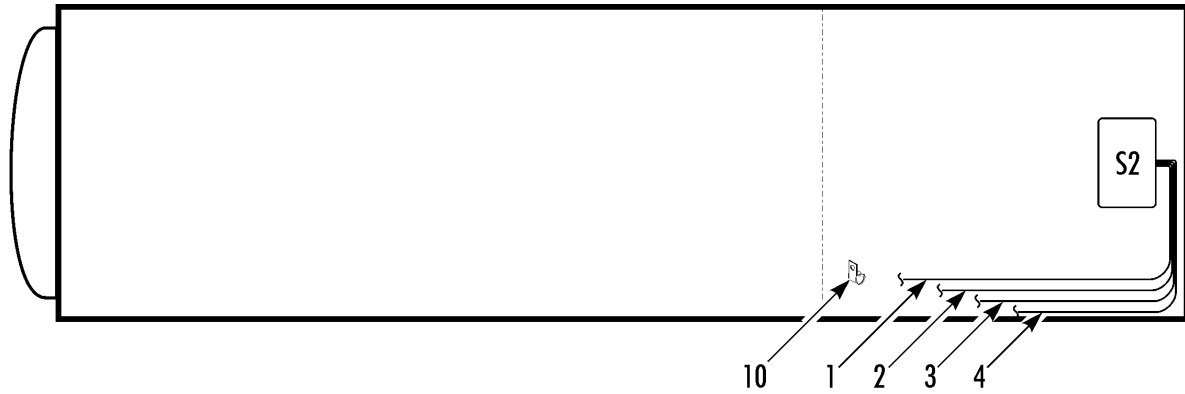
ALTERNATOR ASSEMBLY (120 AMP)



241C1

Revised
09/19/12

REF	PART NO.	DESCRIPTION	QTY
	45-2258	ALTERNATOR (Extended life, w/ CW fan)	1
	41-8465	ALTERNATOR (Standard life, w/ CW fan)	1
	845-2258	ALTERNATOR (Remanufactured, w/ CW fan)	1
1	51-1255	*NUT	1
	51-1254	*WASHER	1
2	41-6867	*FAN (CW)	1
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	41-6877	*ROTOR	1
9	41-6874	*STATOR	1
10	41-9899	*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
14	41-6866	*HOUSING - rear	1
15	41-8851	*REGULATOR & BRUSH	1
16	51-1312	*SCREW - brush	2
17	51-1260	*NUT	2
	51-1259	*LOCKWASHER	2



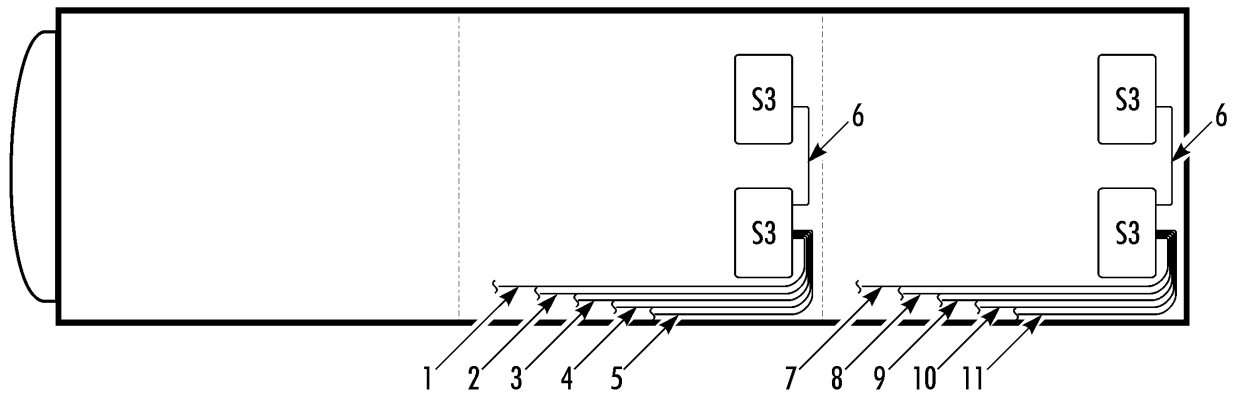
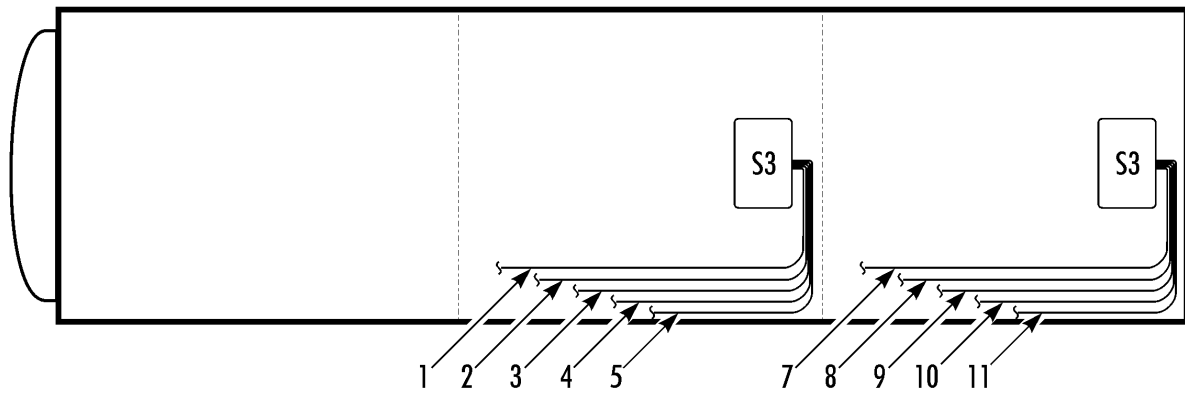
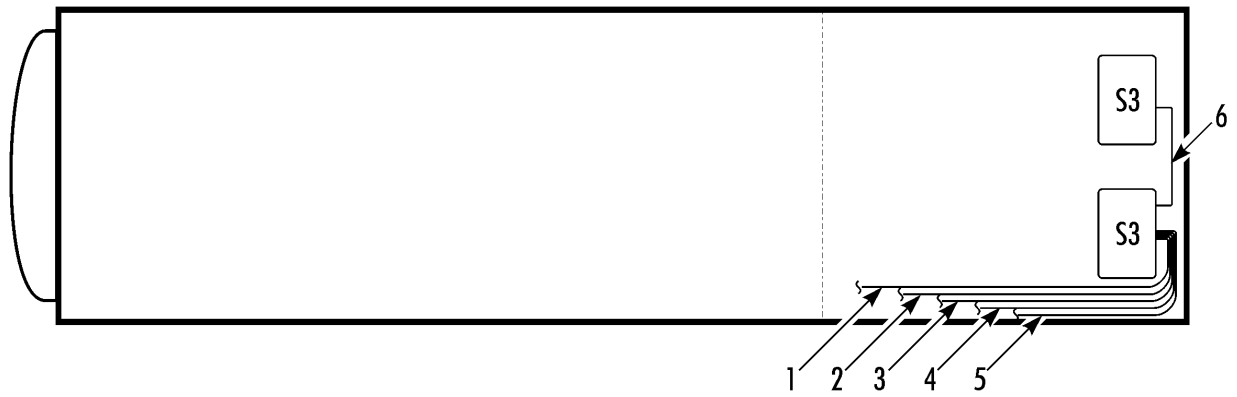
**S-2 HARNESS INSTALLATION (KIT 800365,
800366, 800367, 800118)**



236D7

Revised
05/11/09

REF	PART NO.	DESCRIPTION	QTY
1	41-8053	HARNESS - fan 1 (zone 2)	1
2	41-2617	HARNESS - fan 2 (zone 2)	1
3	41-7953	HARNESS - sensor (zone 2)	1
4	41-7954	HARNESS - control (zone 2)	1
5	41-7972	HARNESS - interconnection (zone 2)	1
6	41-8250	HARNESS - fan 1 (zone 3)	1
7	41-2619	HARNESS - fan 2 (zone 3)	1
8	41-8860	HARNESS - sensor (zone 3)	1
9	41-8861	HARNESS - control (zone 3)	1
10	55-3065	CLAMP (.50 dia)	A/R
	55-3359	CLAMP (.88 dia)	A/R
	55-4552	CLAMP (1.0 dia)	A/R
	55-7504	CLAMP (1.12 dia)	A/R
	55-6350	SCREW - clamp	A/R



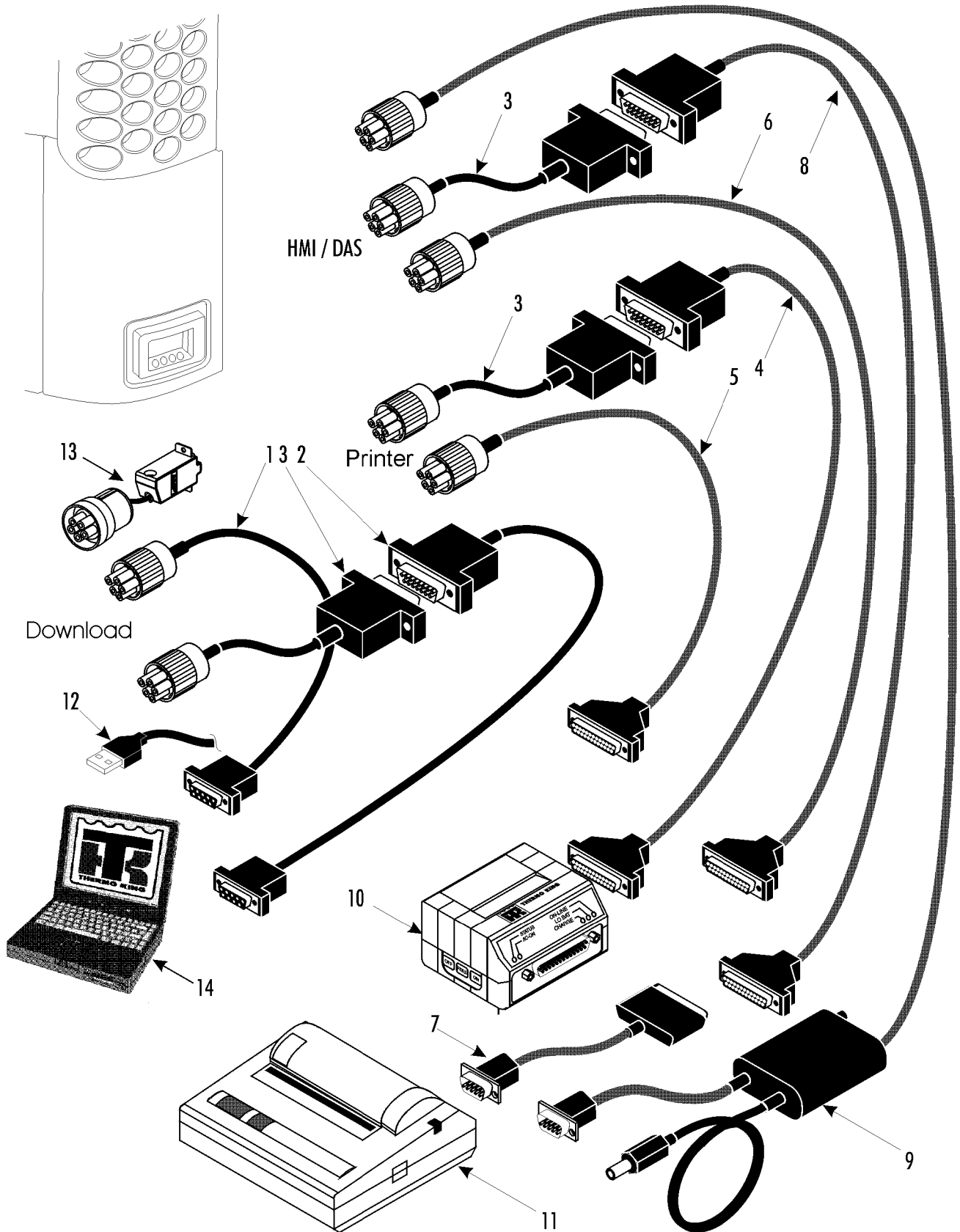
Revised
02/01/12

**S-3 HARNESS INSTALLATION (KIT 800365,
800366, 800367, 800368, 800116, 800117 & 8**



236D8

REF	PART NO.	DESCRIPTION	QTY
1	41-8053	HARNESS - fan 1 (zone 2)	1
2	41-2617	HARNESS - fan 2 (zone 2)	1
3	41-2618	HARNESS - fan 3 (zone 2)	1
4	41-7953	HARNESS - sensor (zone 2)	1
5	41-7954	HARNESS - control (zone 2)	1
6	41-7972	HARNESS - interconnection (zone 2)	1
7	41-8250	HARNESS - fan 1 (zone 3)	1
8	41-2619	HARNESS - fan 2 (zone 3)	1
9	41-2686	HARNESS - fan 3 (zone 3)	1
10	41-8860	HARNESS - sensor (zone 3)	1
11	41-8861	HARNESS - control (zone 3)	1
12	55-3065	CLAMP (.50 dia)	A/R
	55-3359	CLAMP (.88 dia)	A/R
	55-4552	CLAMP (1.0 dia)	A/R
	55-7504	CLAMP (1.12 dia)	A/R
	55-6350	SCREW - clamp	A/R



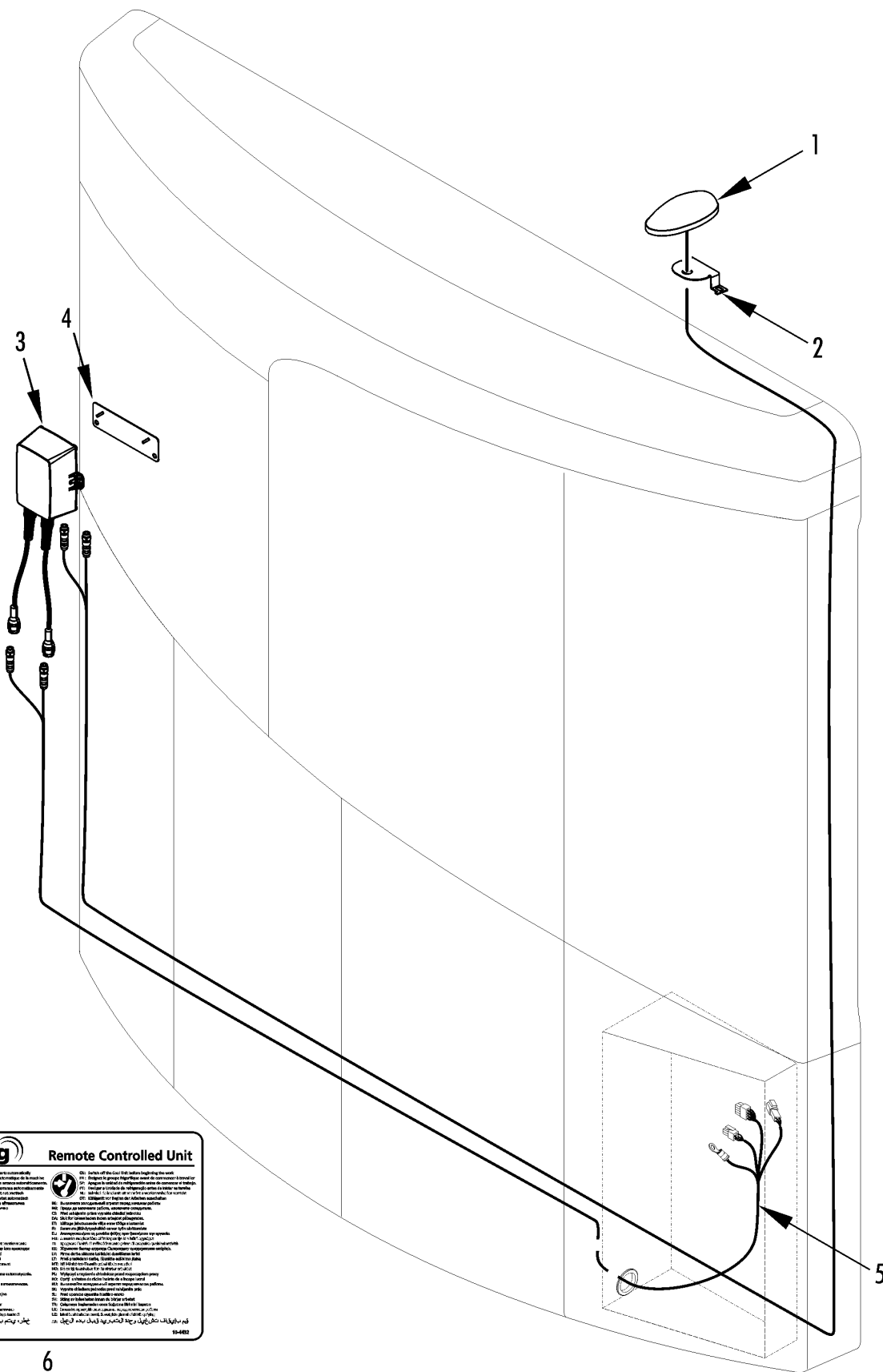
DOWNLOAD CABLES (UNITS w/TG VI & SR-2/SR-3 MICROPROCESSOR)



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, see 192A1)	1
11	204-1020	PRINTER - hand held (12V, see 192A2)	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.



Remote Controlled Unit

1-800-255-2828

19-4982

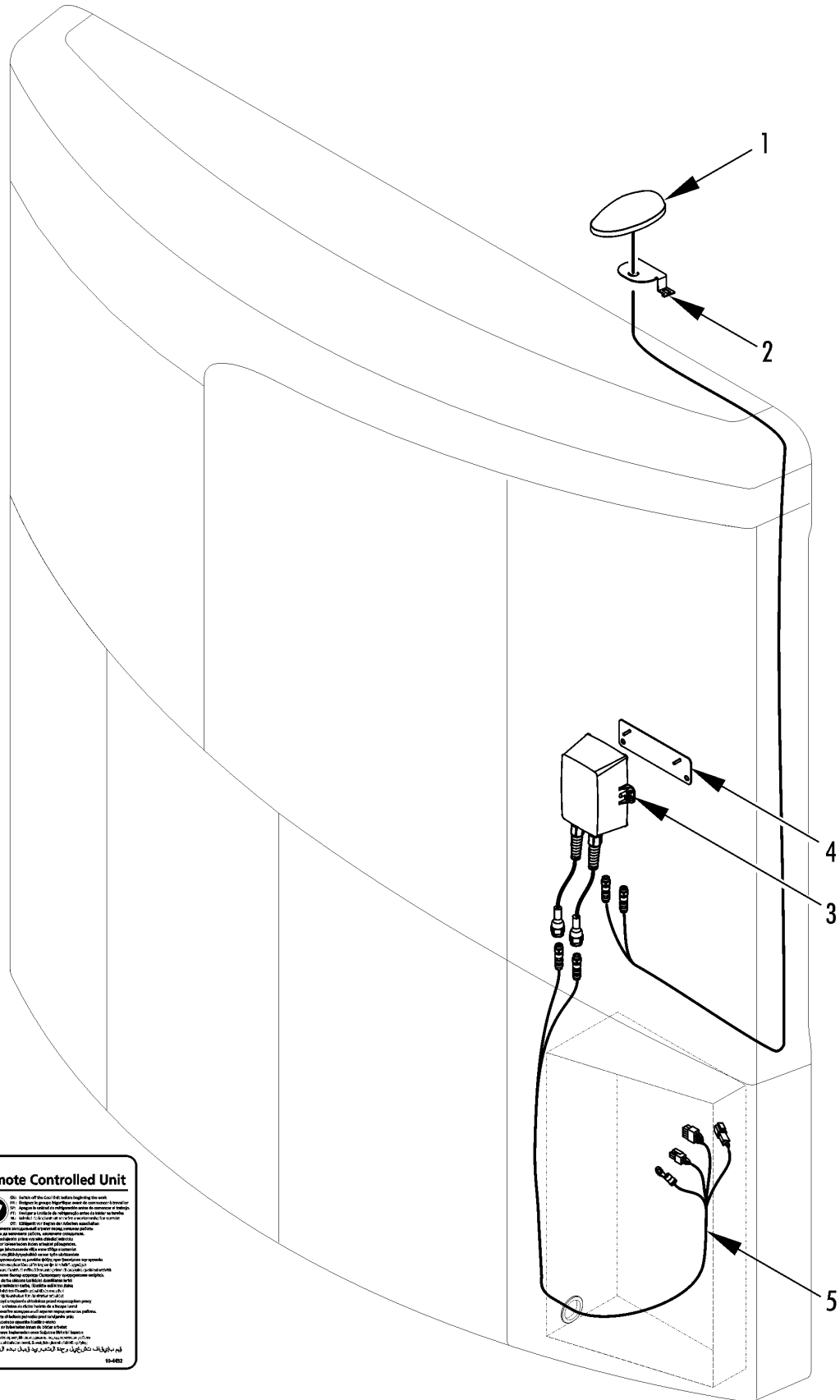
<p>(1) Ensure that the unit is properly installed in the vehicle. The unit must be installed in a secure location.</p> <p>(2) The unit must be installed in a location that is protected from the elements.</p> <p>(3) The unit must be installed in a location that is not exposed to direct sunlight.</p> <p>(4) The unit must be installed in a location that is not exposed to vibration.</p> <p>(5) The unit must be installed in a location that is not exposed to moisture.</p> <p>(6) The unit must be installed in a location that is not exposed to dust.</p> <p>(7) The unit must be installed in a location that is not exposed to electromagnetic interference.</p> <p>(8) The unit must be installed in a location that is not exposed to radio frequency interference.</p> <p>(9) The unit must be installed in a location that is not exposed to high temperatures.</p> <p>(10) The unit must be installed in a location that is not exposed to low temperatures.</p> <p>(11) The unit must be installed in a location that is not exposed to humidity.</p> <p>(12) The unit must be installed in a location that is not exposed to salt.</p> <p>(13) The unit must be installed in a location that is not exposed to road debris.</p> <p>(14) The unit must be installed in a location that is not exposed to fuel.</p> <p>(15) The unit must be installed in a location that is not exposed to oil.</p> <p>(16) The unit must be installed in a location that is not exposed to grease.</p> <p>(17) The unit must be installed in a location that is not exposed to brake fluid.</p> <p>(18) The unit must be installed in a location that is not exposed to hydraulic fluid.</p> <p>(19) The unit must be installed in a location that is not exposed to air.</p> <p>(20) The unit must be installed in a location that is not exposed to noise.</p>	<p>(1) The antenna must be properly installed on the vehicle.</p> <p>(2) The antenna must be properly connected to the unit.</p> <p>(3) The antenna must be properly grounded.</p> <p>(4) The antenna must be properly shielded.</p> <p>(5) The antenna must be properly protected from the elements.</p> <p>(6) The antenna must be properly protected from vibration.</p> <p>(7) The antenna must be properly protected from moisture.</p> <p>(8) The antenna must be properly protected from dust.</p> <p>(9) The antenna must be properly protected from electromagnetic interference.</p> <p>(10) The antenna must be properly protected from radio frequency interference.</p> <p>(11) The antenna must be properly protected from high temperatures.</p> <p>(12) The antenna must be properly protected from low temperatures.</p> <p>(13) The antenna must be properly protected from humidity.</p> <p>(14) The antenna must be properly protected from salt.</p> <p>(15) The antenna must be properly protected from road debris.</p> <p>(16) The antenna must be properly protected from fuel.</p> <p>(17) The antenna must be properly protected from oil.</p> <p>(18) The antenna must be properly protected from grease.</p> <p>(19) The antenna must be properly protected from brake fluid.</p> <p>(20) The antenna must be properly protected from hydraulic fluid.</p> <p>(21) The antenna must be properly protected from air.</p> <p>(22) The antenna must be properly protected from noise.</p> <p>(23) The antenna must be properly protected from shock.</p> <p>(24) The antenna must be properly protected from impact.</p> <p>(25) The antenna must be properly protected from theft.</p> <p>(26) The antenna must be properly protected from damage.</p> <p>(27) The antenna must be properly protected from wear.</p> <p>(28) The antenna must be properly protected from tear.</p> <p>(29) The antenna must be properly protected from breakage.</p> <p>(30) The antenna must be properly protected from failure.</p>
---	--

6

5



REF	PART NO.	DESCRIPTION	QTY
	40-1096	KIT - TracKing (EU)	1
	40-1102	KIT - TracKing (UK)	1
	40-1108	KIT - TracKing (no SIM card)	1
1	41-7377	*ANTENNA (6m)	1
2	92-6878	*BRACKET - antenna	1
	51-1768	*MOUNT - cable	6
	55-2332	*BANDWRAP	6
	55-9693	*SCREW - bracket	4
	55-9763	*NUT	4
3	41-9514	*MODULE - TracKing EU SIM	1
	41-9515	*MODULE - TracKing UK SIM	1
	41-9517	*MODULE - TracKing (no sim card)	1
	55-3669	*RIVET - module	4
	55-5960	*WASHER	4
4	93-407	*PLATE - module	1
5	41-8767	*HARNESS - module to pc board	1
6	92-8894	*NAMEPLATE - Danger TracKing	1



Tracking Remote Controlled Unit

 (C) The user should read the user manual carefully. (C) The user should read the user manual carefully. (C) The user should read the user manual carefully.



01: 0101 02: 0202 03: 0303 04: 0404 05: 0505 06: 0606 07: 0707 08: 0808 09: 0909 10: 1010 11: 1111 12: 1212 13: 1313 14: 1414 15: 1515 16: 1616 17: 1717 18: 1818 19: 1919 20: 2020 21: 2121 22: 2222 23: 2323 24: 2424 25: 2525 26: 2626 27: 2727 28: 2828 29: 2929 30: 3030 31: 3131 32: 3232 33: 3333 34: 3434 35: 3535 36: 3636 37: 3737 38: 3838 39: 3939 40: 4040 41: 4141 42: 4242 43: 4343 44: 4444 45: 4545 46: 4646 47: 4747 48: 4848 49: 4949 50: 5050 51: 5151 52: 5252 53: 5353 54: 5454 55: 5555 56: 5656 57: 5757 58: 5858 59: 5959 60: 6060 61: 6161 62: 6262 63: 6363 64: 6464 65: 6565 66: 6666 67: 6767 68: 6868 69: 6969 70: 7070 71: 7171 72: 7272 73: 7373 74: 7474 75: 7575 76: 7676 77: 7777 78: 7878 79: 7979 80: 8080 81: 8181 82: 8282 83: 8383 84: 8484 85: 8585 86: 8686 87: 8787 88: 8888 89: 8989 90: 9090 91: 9191 92: 9292 93: 9393 94: 9494 95: 9595 96: 9696 97: 9797 98: 9898 99: 9999

31-0001 10-0002

6

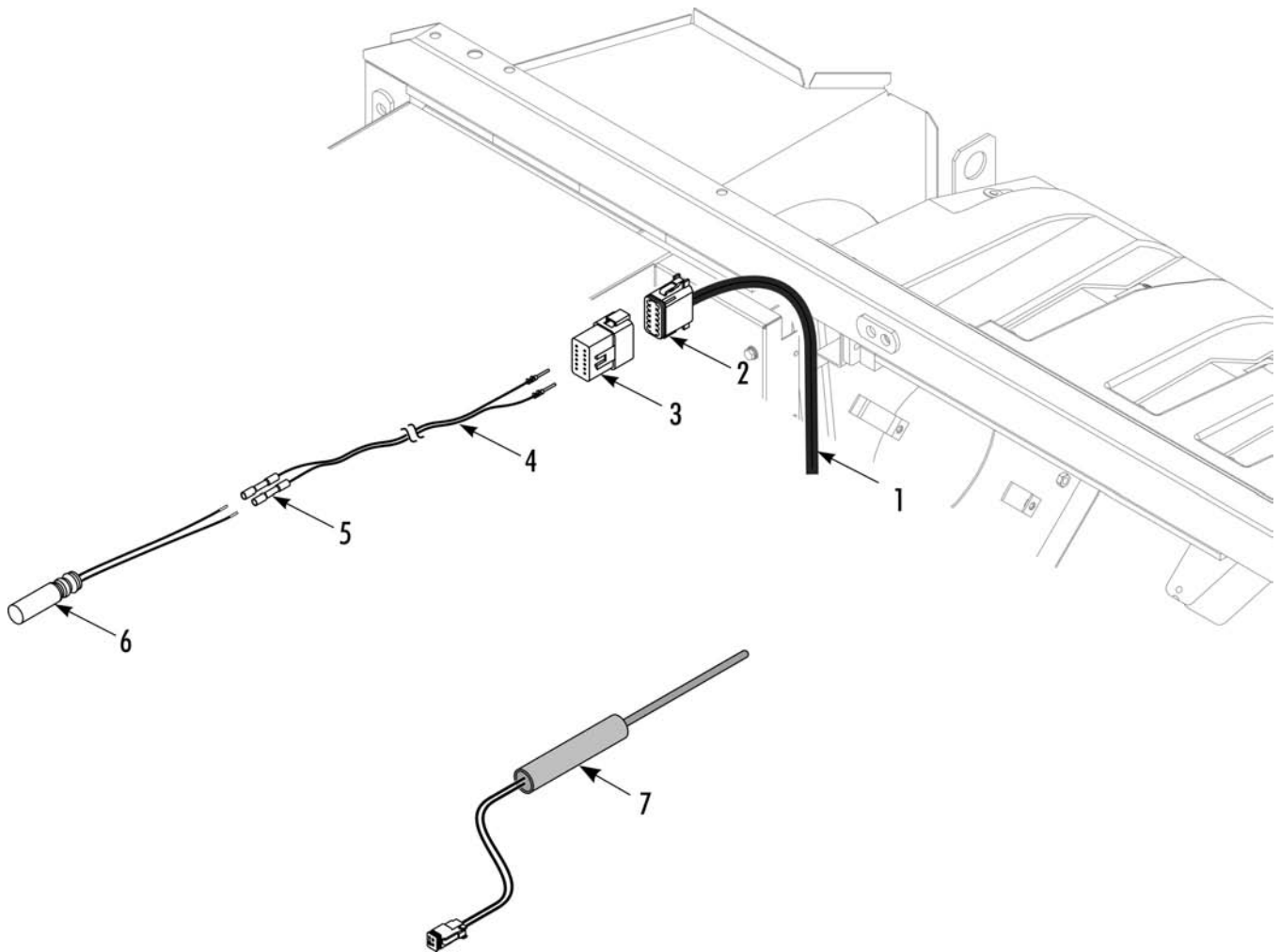
TrackKing GPRS (w/ micro channel coil)



250D6

Revised
10/13/12

REF	PART NO.	DESCRIPTION	QTY
	40-1095	KIT - TrackKing (EU)	1
	40-1101	KIT - TrackKing (UK)	1
	40-1107	KIT - TrackKing (no SIM card)	1
1	41-7377	*ANTENNA (6m)	1
2	92-6878	*BRACKET - antenna	1
	51-1768	*MOUNT - cable	6
	55-2332	*BANDWRAP	6
	55-9693	*SCREW - bracket	4
	55-9763	*NUT	4
3	41-9514	*MODULE - TrackKing EU SIM	1
	41-9515	*MODULE - TrackKing UK SIM	1
	41-9517	*MODULE - TrackKing (no sim card)	1
	55-3669	*RIVET - module	4
	55-5960	*WASHER	4
4	93-407	*PLATE - module	1
5	41-9823	*HARNESS - module to pc board	1
6	92-8894	*NAMEPLATE - Danger TrackKing	1



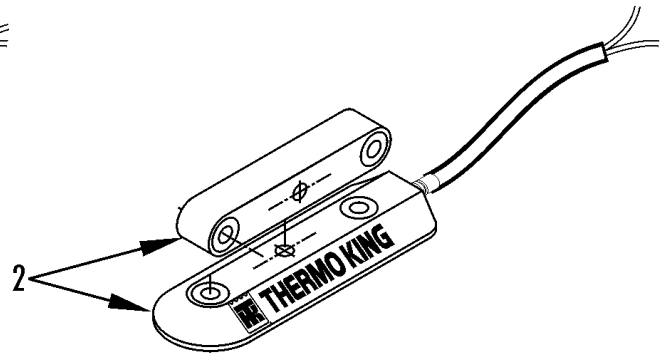
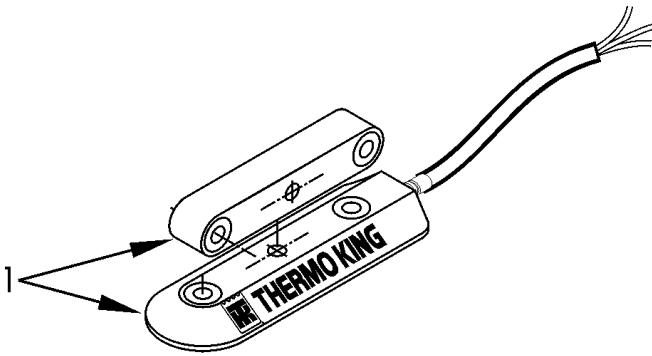
Cargo Watch HARNESES AND SENSORS



189C0

Revised
01/30/13

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



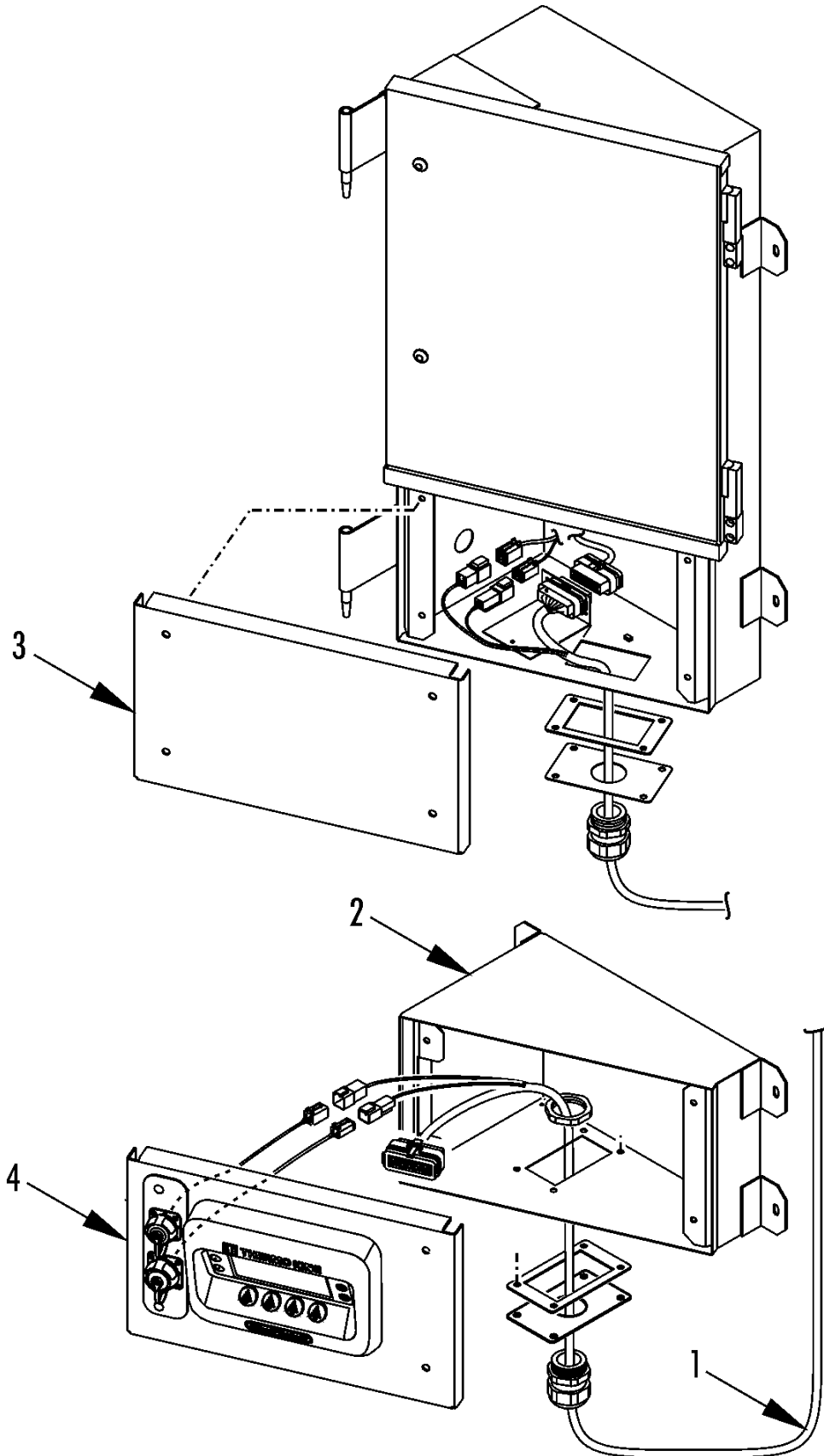
DOOR SWITCH - LOW PROFILE



212G7

Revised
05/09/11

REF	PART NO.	DESCRIPTION	QTY
1	40-1135	KIT - door switch (3 wire)	1
2	40-907	KIT - door switch (2 wire)	1
	55-8421	SCREW - door switch (1 in)	2
	51-1321	SCREW - door switch (3/4 in)	2
	55-2001	FLATWASHER	4



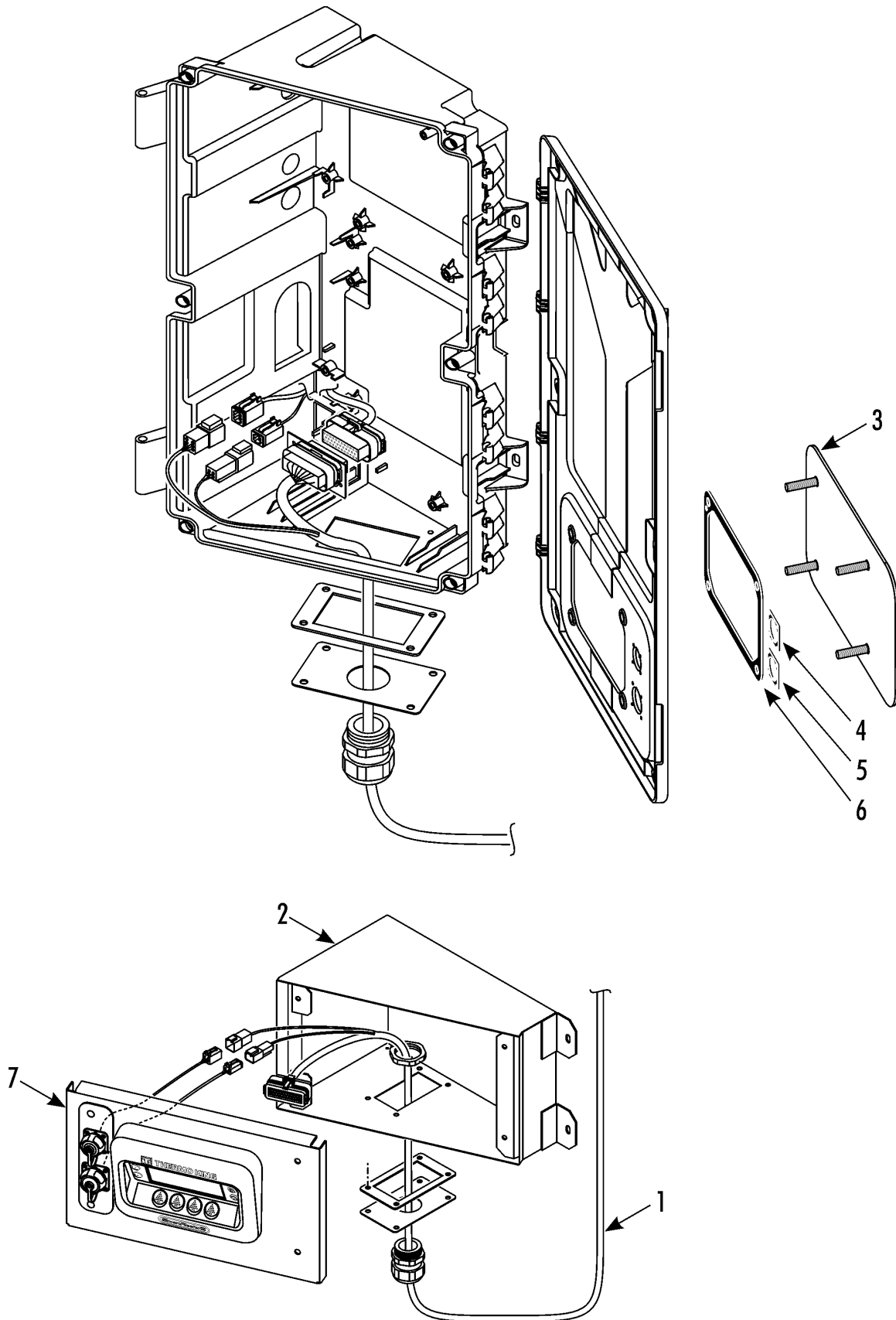
DROP-DOWN HMI BOX (metal control box)



226C4

Revised
10/04/07

REF	PART NO.	DESCRIPTION	QTY
	90-356	KIT - drop-down HMI box	1
1	41-6194	*HARNESS - drop-down (inc harness grips covers & gaskets)	1
2	92-4124	*BOX - drop-down	1
3	92-4123	*COVER - drop-down	1
	55-9966	*SCREW - cover	4
	55-7033	*FLATWASHER	4
	55-7404	*LOCKWASHER	4
	55-7367	*NUT	4
	55-9483	*WASHER - retaining	4
4	NSS	PANEL - HMI (not included in kit, see 225D9)	1



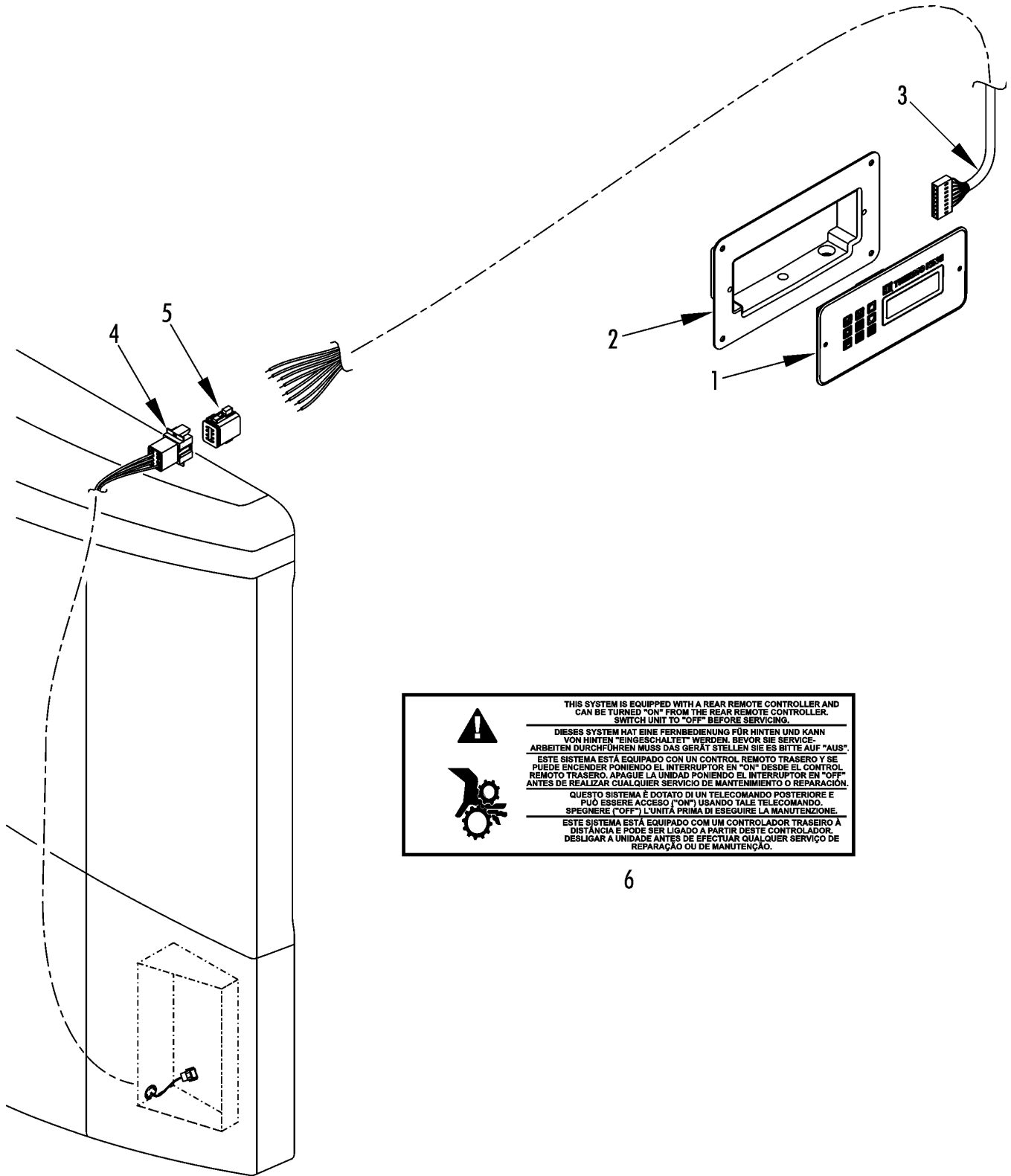
DROP-DOWN HMI BOX (plastic control box)





259A1

Revised
04/07/12

REF	PART NO.	DESCRIPTION	QTY
	90-356	KIT - drop-down HMI box	1
1	41-6194	*HARNESS - drop-down (inc harness grips covers & gaskets)	1
2	92-4124	*BOX - drop-down	1
3	92-9435	*COVER - drop-down	1
	55-8893	*FLATWASHER	4
	55-6996	*LOCKWASHER	4
	55-9762	*NUT	4
	55-9483	*WASHER - retaining	4
4	33-3867	*GASKET (6-pin connector)	1
5	33-3868	*GASKET (5-pin connector)	1
6	33-3628	*GASKET - controller	1
7	92-6545	*PANEL - HMI	1



	<p>THIS SYSTEM IS EQUIPPED WITH A REAR REMOTE CONTROLLER AND CAN BE TURNED "ON" FROM THE REAR REMOTE CONTROLLER. SWITCH UNIT TO "OFF" BEFORE SERVICING.</p>
	<p>DIESES SYSTEM HAT EINE FERNBEDIENUNG FÜR HINTEN UND KANN VON HINTEN "EINGESCHALTET" WERDEN. BEVOR SIE SERVICE-ARBEITEN DURCHFÜHREN MUSS DAS GERÄT STELLEN SIE ES BITTE AUF "AUS".</p> <p>ESTE SISTEMA ESTÁ EQUIPADO CON UN CONTROL REMOTO TRASERO Y SE PUEDE ENCENDER PONIENDO EL INTERRUPTOR EN "ON" DESDE EL CONTROL REMOTO TRASERO. APAGUE LA UNIDAD PONIENDO EL INTERRUPTOR EN "OFF" ANTES DE REALIZAR CUALQUIER SERVICIO DE MANTENIMIENTO O REPARACIÓN.</p> <p>QUESTO SISTEMA È DOTATO DI UN TELECOMANDO POSTERIORE E PUÒ ESSERE ACCESSO ("ON") USANDO TALE TELECOMANDO. SPEGNERE ("OFF") L'UNITÀ PRIMA DI ESEGUIRE LA MANUTENZIONE.</p> <p>ESTE SISTEMA ESTÁ EQUIPADO COM UM CONTROLADOR TRASEIRO A DISTÂNCIA E PODE SER LIGADO A PARTIR DESTA CONTROLADOR. DESLIGAR A UNIDADE ANTES DE EFECTUAR QUALQUER SERVIÇO DE REPARAÇÃO OU DE MANUTENÇÃO.</p>

6

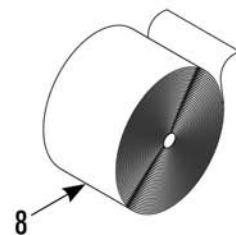
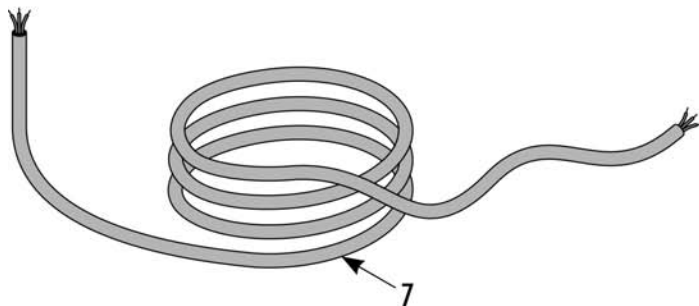
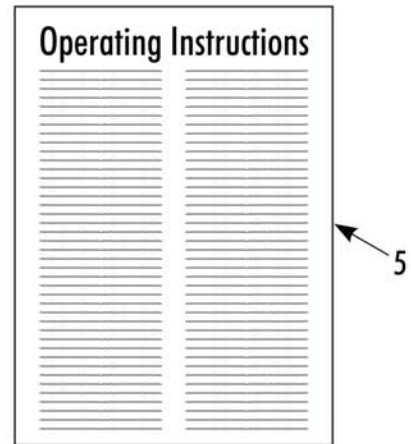
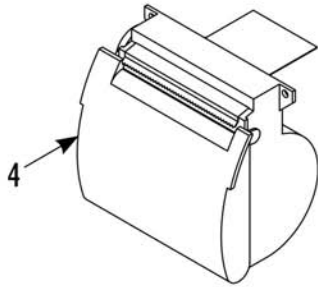
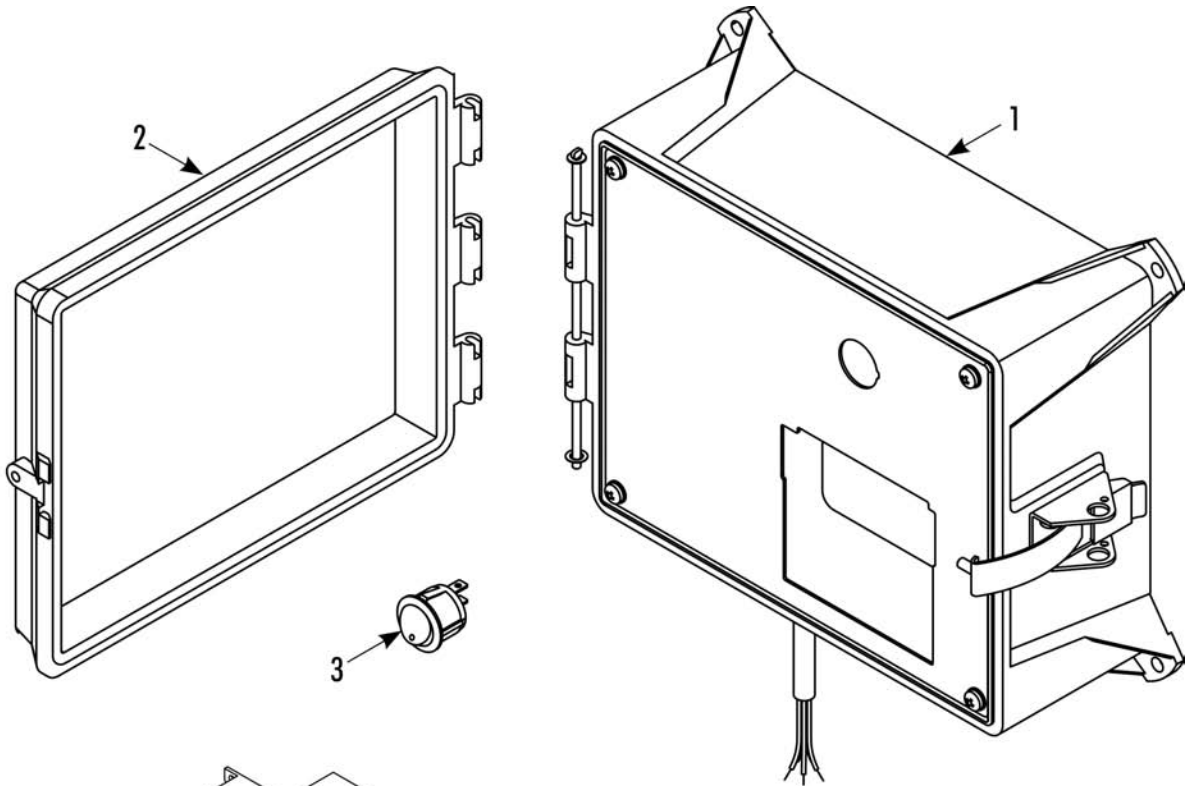
FLUSH MOUNT CONTROLLER



235C8

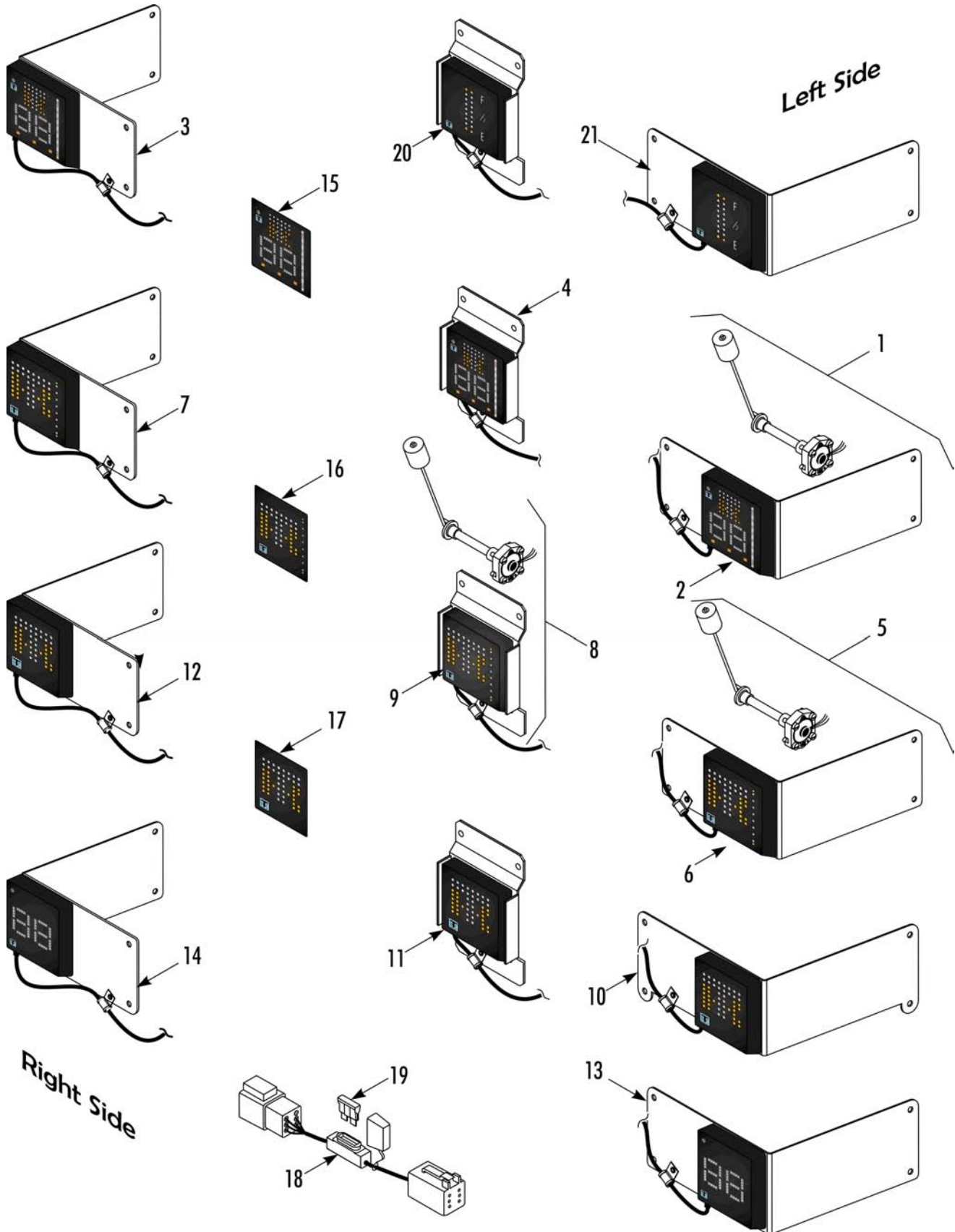
Revised
07/17/12

REF	PART NO.	DESCRIPTION	QTY
	40-1031	KIT - control box	1
1	45-2402	CONTROLLER - flush mount (multi temp)	1
	55-3443	*SCREW - controller	1
2	90-335	*KIT - box, remote controller	1
3	41-7032	*HARNESS - controller to evap	1
	41-8765	**CONNECTOR - 8-pin	1
	41-8872	**TERMINAL	7
4	41-9699	*HARNESS - control box to evaporator	1
5	44-9900	**CONNECTOR - 8-pin	1
	44-9901	*WEDGE - 8-pin	1
	44-9587	**SOCKET	8
6	92-6682	*NAMEPLATE - Rear Remote Control	1



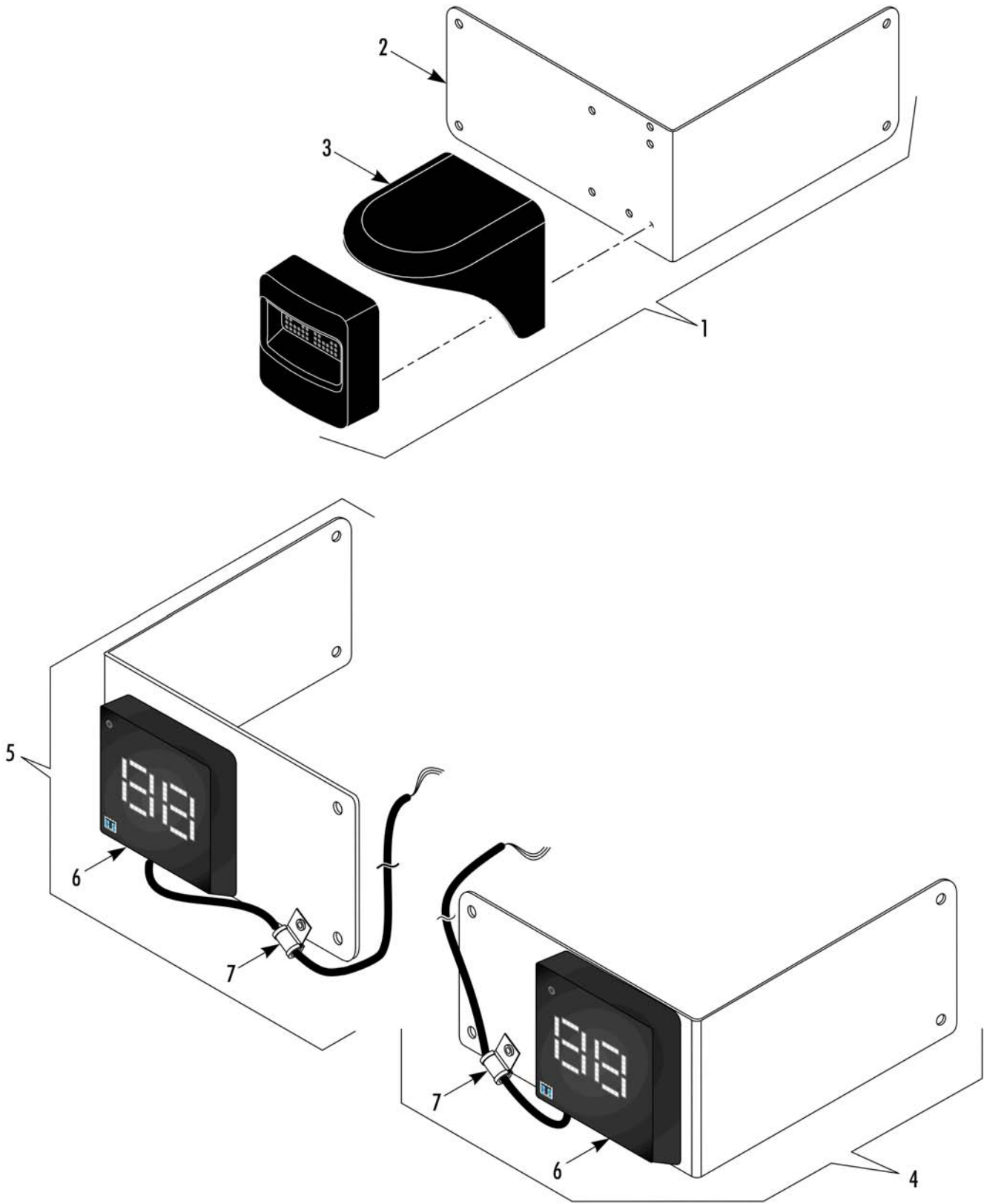


REF	PART NO.	DESCRIPTION	QTY
	40-1083	CargoPrinter	1
1	90-2455	*BOX - CargoPrinter	1
2	90-387	**COVER - CargoPrinter	1
3	41-9363	*SWITCH - on/off	1
4	41-9317	*KEYPAD & PRINTER	1
5	92-8491	OPERATING INSTRUCTIONS - English	1
	92-8492	OPERATING INSTRUCTIONS - Spanish	1
	92-8493	OPERATING INSTRUCTIONS - French	1
	92-8494	OPERATING INSTRUCTIONS - Italian	1
	92-8495	OPERATING INSTRUCTIONS - German	1
	92-8496	OPERATING INSTRUCTIONS - Polish	1
6	92-8696	NAMEPLATE - CargoPrint	1
7	41-6580	HARNESS - printer	1
8	205-256	PAPER (pack of 10)	1





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)	1
	40-984	KIT - status display (left side, UK, T-Series after 11/11)	1
	350-4665	KIT - status display (Carrier units only)	1
11	40-981	KIT - status display (flush mount, TSA)	1
	40-989	KIT - status display (flush mount, EMEIA)	1
12	40-996	KIT - status display (right mount, Australia)	1
	40-985	KIT - status display (right side, EMEIA)	1
13	40-1119	KIT - temperature display (left side, degrees F)	1
	40-1120	KIT - temperature display (left side, degrees C)	1
14	40-1121	KIT - temperature display (right side, UK, degrees C)	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 (1 amp)	1
20	40-1160	KIT - fuel level (flushmount)	1
21	40-1165	KIT - fuel level (left side)	1



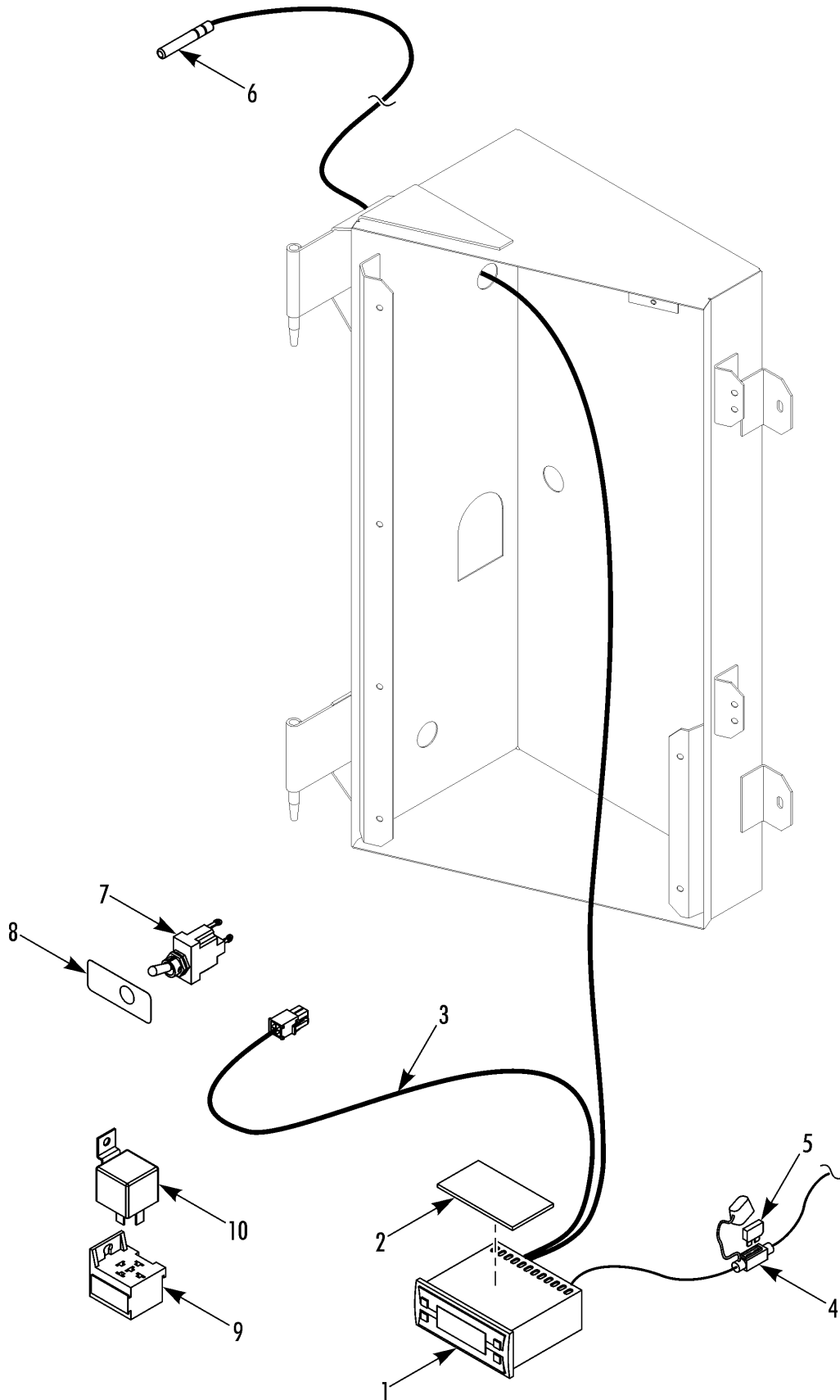
REAR VIEW THERMOMETER, TEMP WATCH



192E5

Revised
04/20/11

REF	PART NO.	DESCRIPTION	QTY
1	40-916	THERMOMETER - forward view (Temp Watch, 15 ft sensor harness)	1
	40-917	THERMOMETER - rear view (15 ft sensor harness)	1
	40-918	THERMOMETER - rear view (60 ft sensor harness)	1
2	91-8733	*BRACKET - remote light	1
3	91-9274	*SUN VISOR	1
	55-5640	*SCREW - sheet metal (#10)	11
	55-2001	*FLATWASHER	16
	55-5294	*CLAMP - harness	5
	55-2330	*BANDWRAP	A/R
4	40-1119	KIT - temperature display (left side, degrees F)	1
	40-1120	KIT - temperature display (left side, degrees C)	1
5	40-1121	KIT - temperature display (right side, UK, degrees C)	1
6	NSS	*DISPLAY	1
7	55-5294	*CLAMP - harness	5
	51-321	*RIVET	5





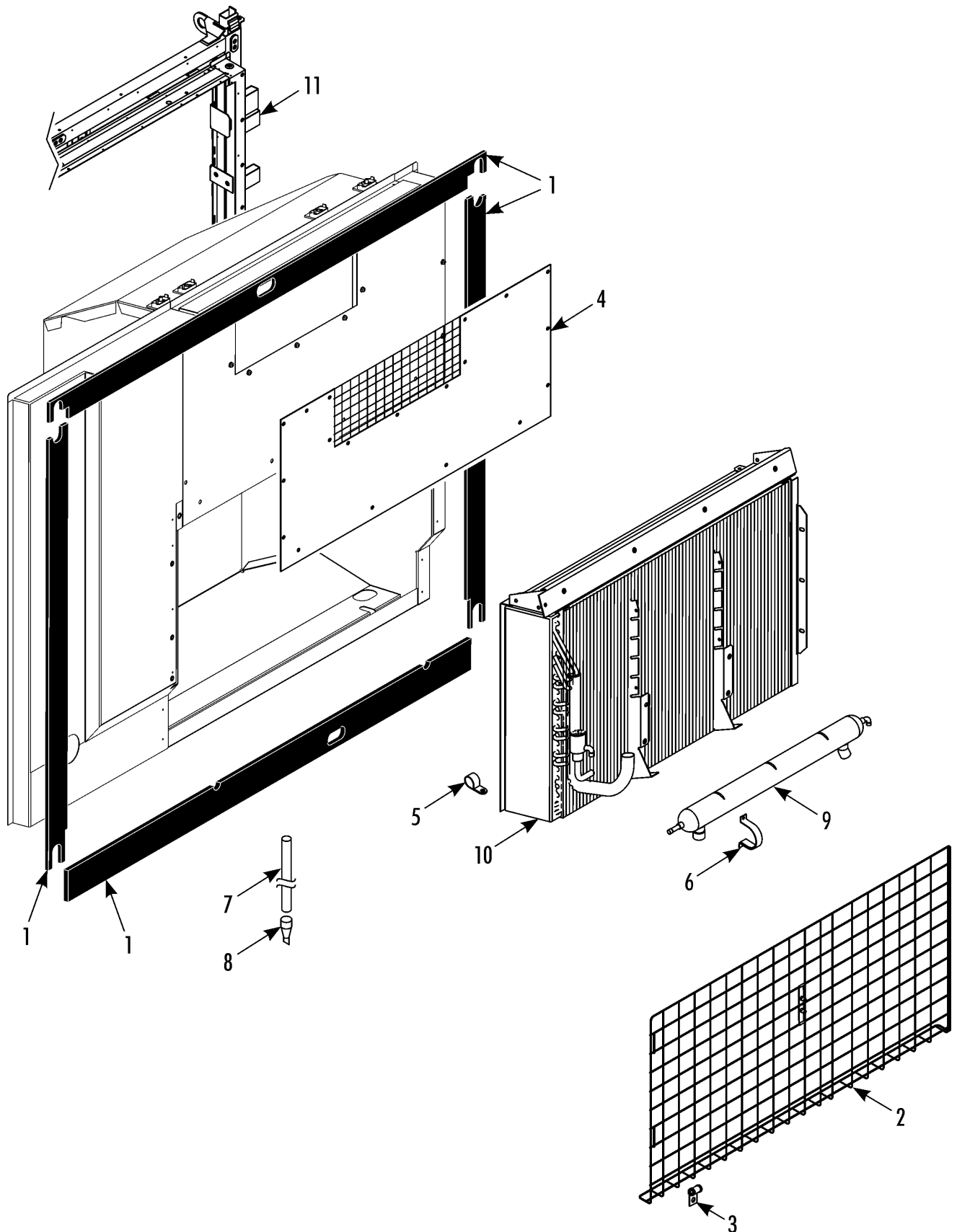
REF	PART NO.	DESCRIPTION	QTY
	40-1122	TOP FROST KIT (SLX Units)	1
1	45-2407	*CONTROLLER	1
2	91-8585	*FASTENER - adhesive backed	1
3	41-9783	*CABLE - signal plug (optional)	1
	41-5710	**CONNECTOR (4-pin)	1
	33-3909	**GASKET - connector (4-pin)	1
	41-6256	**SEAL - wire	1
	41-9120	**SEAL - cavity (plug)	1
	41-5719	**SOCKET (20-16 ga)	1
4	41-4740	*HOLDER - fuse	1
5	41-9923	*FUSE (2 amp)	1
6	41-9921	*SENSOR - temperature	1
7	41-4163	*SWITCH - on/off	1
8	92-9090	*NAMEPLATE - DAC Control	1
	40-1126	ANTIFROST KIT (SL Units)	1
9	44-5537	*SOCKET - relay	1
10	41-895	*RELAY (12V)	1

235C5



CONDENSER FRAME, EVAPORATOR PANELS
& GRILLES SPECTRUM SLX

Revised
10/13/12



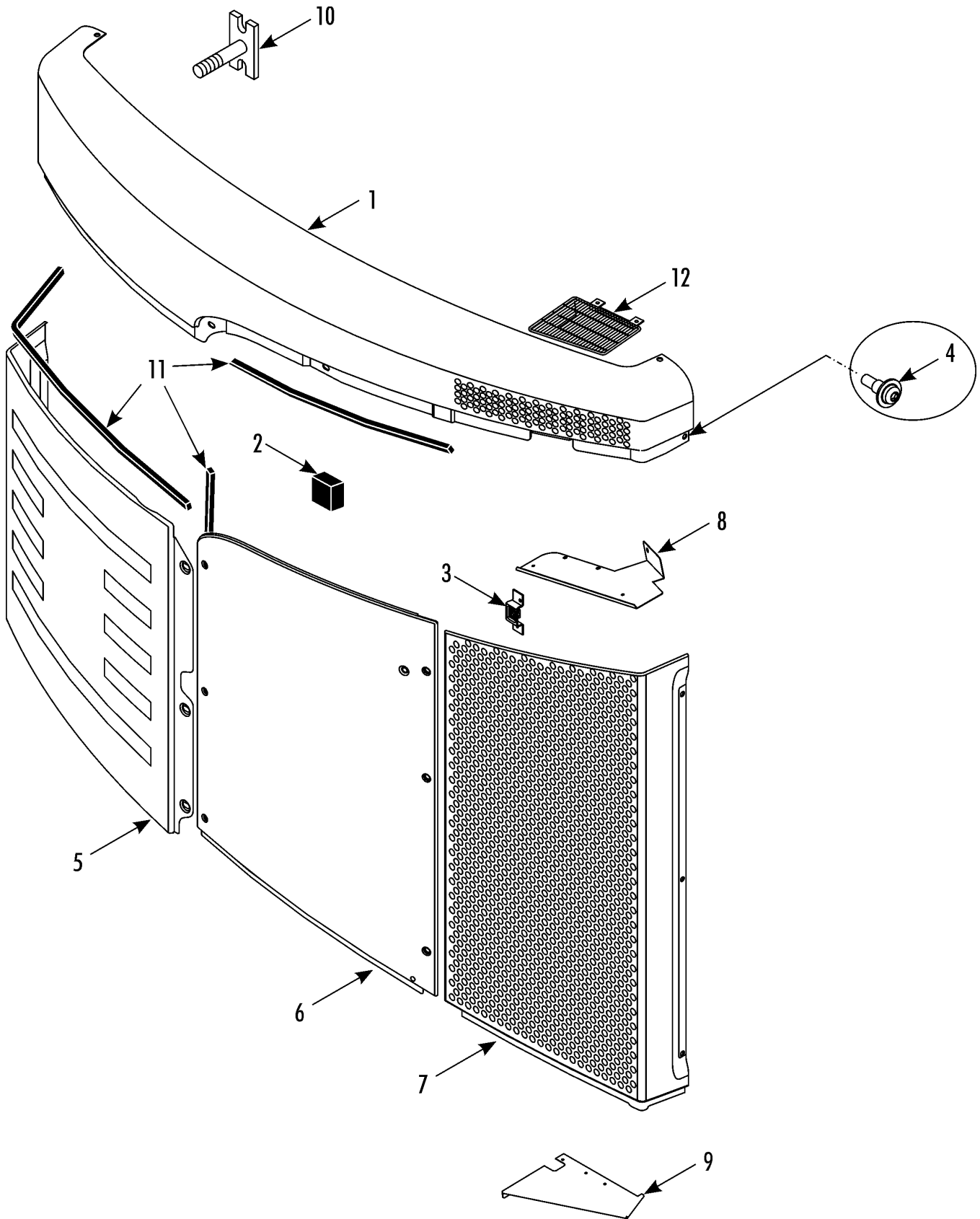
**CONDENSER FRAME, EVAPORATOR PANELS
& GRILLES SPECTRUM SLX**



235C5

Revised
10/13/12

REF	PART NO.	DESCRIPTION	QTY
1	33-4404	GASKET - sill	1
2	92-6475	SCREEN - evaporator (inlet)	1
3	55-546	CLAMP - screen	5
4	92-6503	GRILLE - evaporator (outlet)	1
5	92-6492	CLAMP - distributor	1
6	92-6491	CLAMP - heat exchanger	2
	92-9839	CLAMP - heat exchanger (units with ETV)	1
	55-9761	SCREW - clamp	5
7	11-3305	TUBE - drain	2
8	66-1273	VALVE - check	2
9	67-2785	HEAT EXCHANGER (see 235C3/256F4)	1
10	67-2413	COIL - evaporator (see 235C3/256F4)	1
11	98-9145	FRAME - unit (SLX)	1
	98-9145	FRAME - unit (SLXe)	1



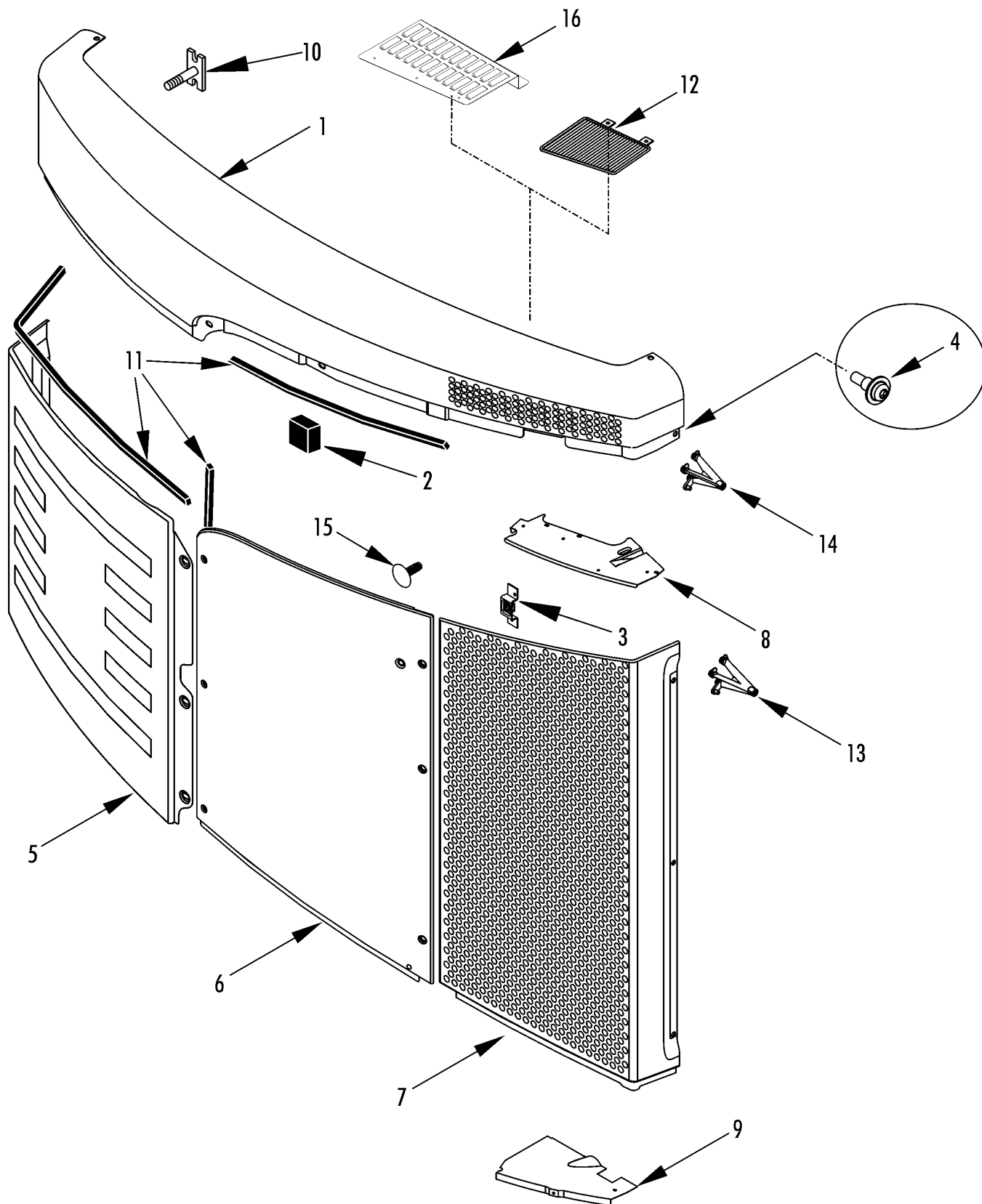
Revised
08/15/12

DOORS AND PANELS, UPPER SECTION
(before 5/10)



225C8

REF	PART NO.	DESCRIPTION	QTY
1	98-7914	COVER - top	1
2	33-3338	SEAL - door	1
3	92-7557	BRACKET - bulkhead	2
4	51-1746	SCREW - cover	7
5	98-7917	PANEL - upper	1
6	98-7915	PANEL - belts (incl items 2 & 3, qty 3)	1
7	98-7916	GRILLE - condenser (incl items 2 & 3, qty 6)	1
	51-718	SCREW - panel & grille (M6 X 16)	A/R
	55-9761	SCREW - panel & grille (M6 X 25)	A/R
8	92-8923	PANEL - blockoff (top)	1
9	92-8922	PANEL - blockoff (bottom)	1
	55-7067	SCREW - panel	4
10	99-214	BOLT - unit	8
	55-5234	WASHER	8
	55-3686	NUT	8
11	33-4445	STRIP - foam (1 meter lg, cut to length)	A/R
12	92-7583	SCREEN - top (optional)	1
	55-7372	*SCREW - screen	2
	55-7075	*FLATWASHER	2
	55-7354	*NUT	2



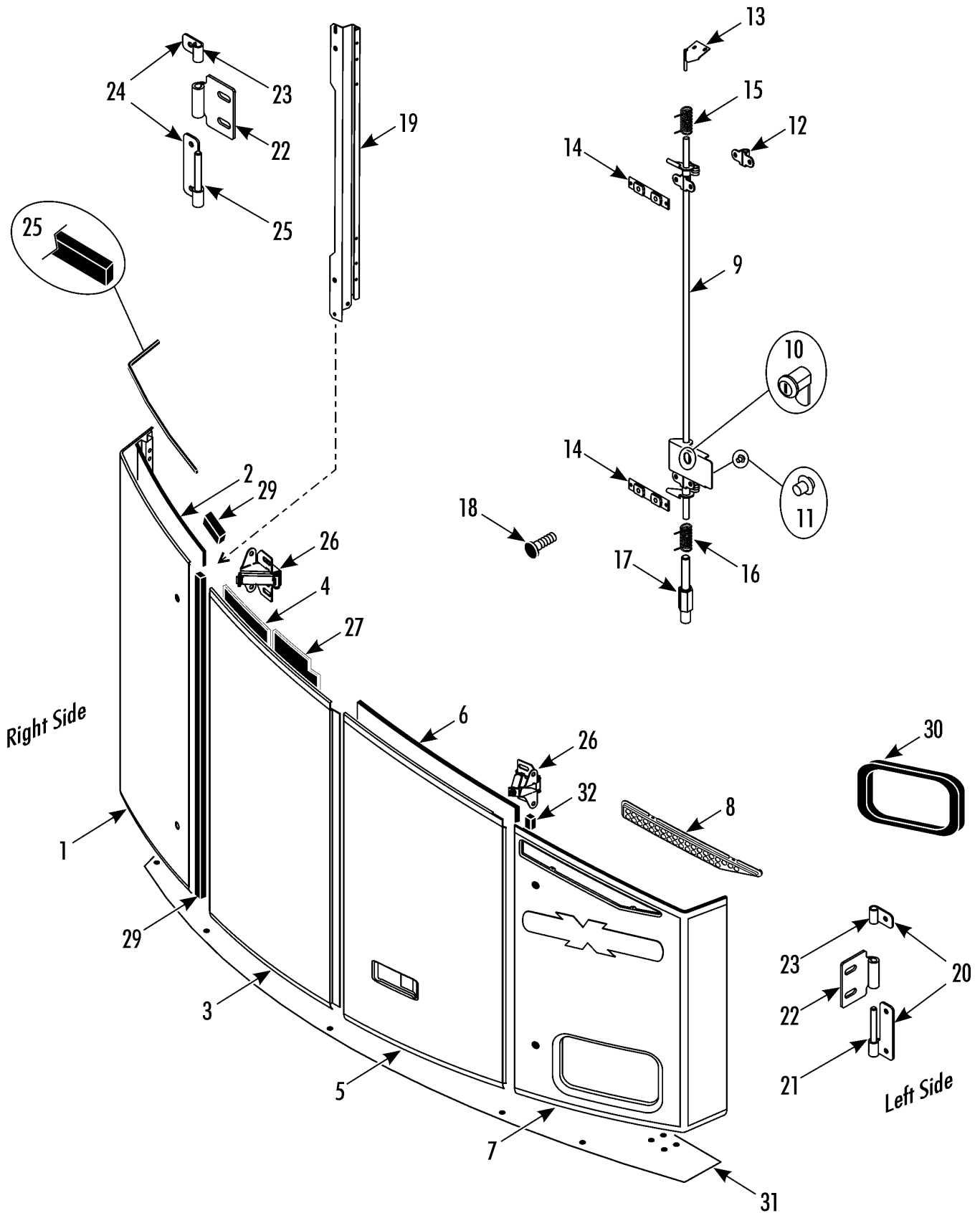
**DOORS AND PANELS, UPPER SECTION (5/10 &
after micro channel cond coil)**

Revised
04/14/12



242C7

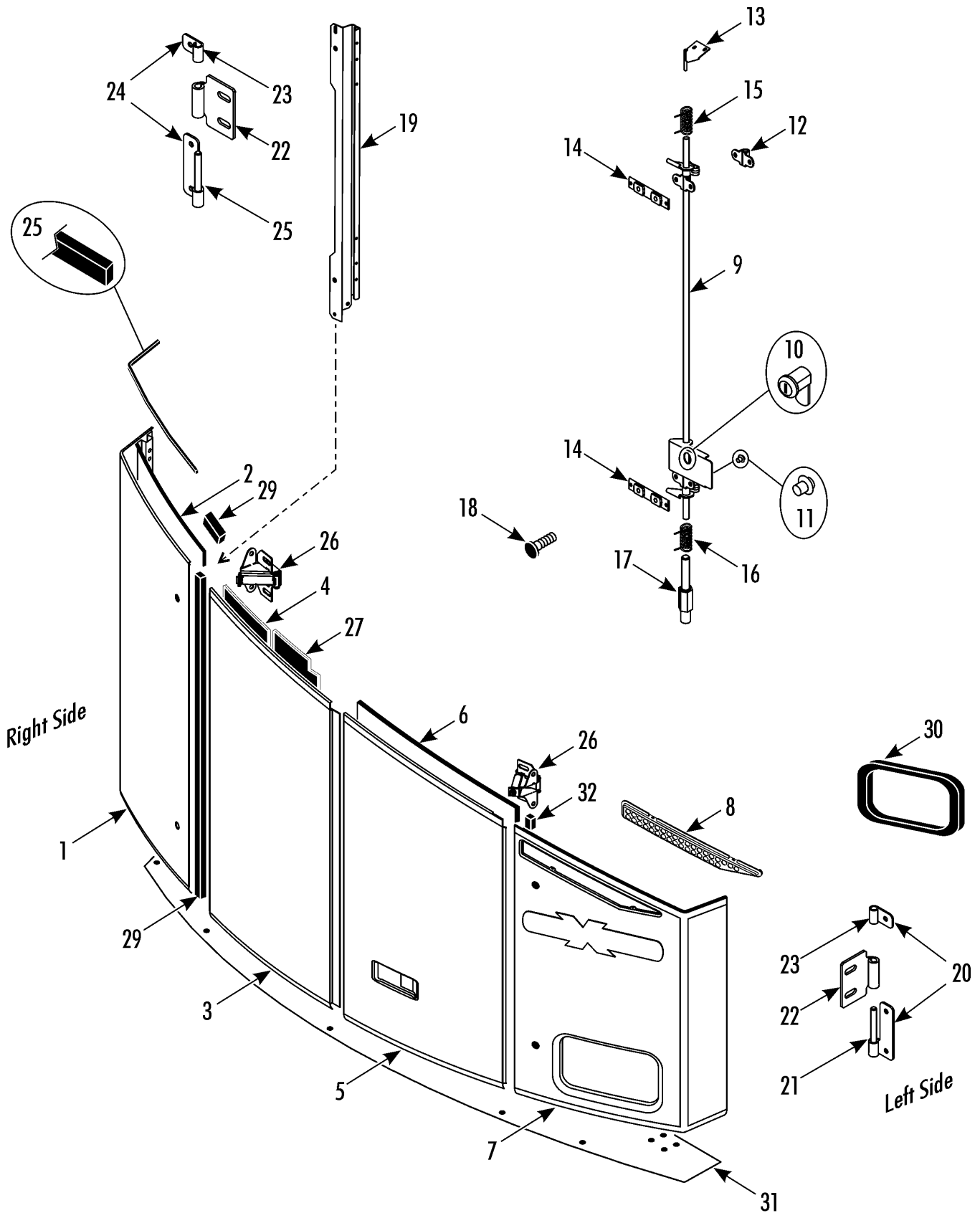
REF	PART NO.	DESCRIPTION	QTY
1	98-7914	COVER - top	1
2	33-3338	SEAL - door	1
3	92-7557	BRACKET - bulkhead	2
4	51-1746	SCREW - cover	7
5	98-7917	PANEL - upper	1
6	98-7915	PANEL - belts	1
	98-7915	PANEL - belts (white, Sterling units)	1
	55-9761	SCREW - panel	8
	55-7740	WASHER - special	8
7	98-8438	GRILLE - condenser	1
	98-8438	GRILLE - condenser (white, Sterling units)	1
	51-718	SCREW - panel & grille (M6 X 16)	A/R
	55-9761	SCREW - panel & grille (M6 X 25)	A/R
8	92-8923	PANEL - blockoff (top)	1
9	92-8922	PANEL - blockoff (bottom)	1
	55-7088	SCREW - panel	4
	55-7033	FLATWASHER	4
10	99-214	BOLT - unit	8
	55-5234	WASHER	8
	55-3686	NUT	8
11	33-4445	STRIP - foam (1 meter lg, cut to length)	A/R
12	92-7583	SCREEN - top (optional)	1
	55-7372	SCREW - screen	2
	55-7075	FLATWASHER	2
	55-7354	NUT	2
13	92-9453	BRACKET - skin mount (93 mm tall)	6
14	92-9454	BRACKET - skin mount (83 mm tall)	2
15	92-7421	CLIP - panel (pine tree)	4
16	90-440	KIT - snow screen (optional)	1
	55-8224	NUT	4
	55-8216	FLATWASHER	4



DOORS, BOTTOM SECTION (before 5/10)

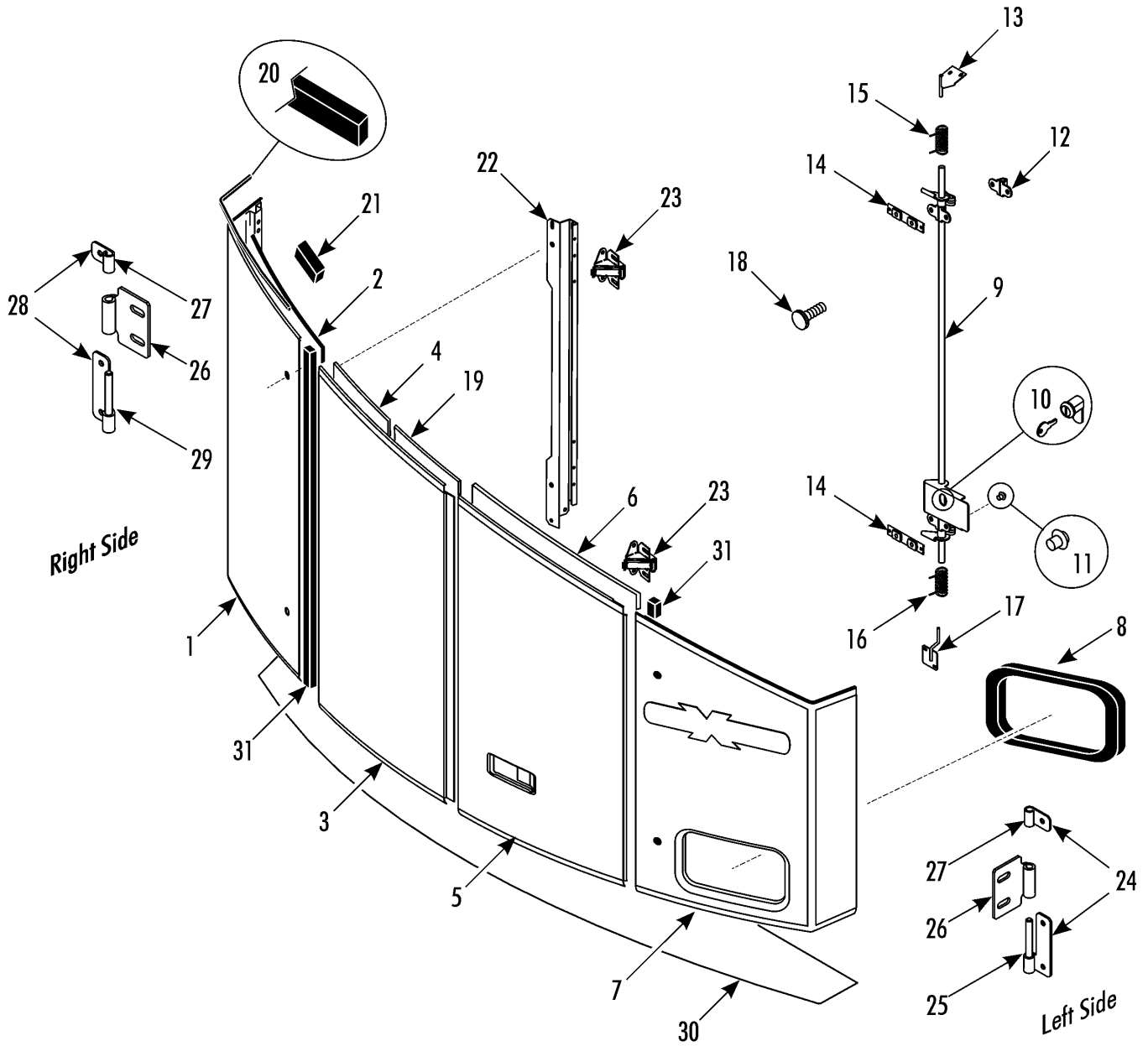
**225C9**Revised
07/26/12

REF	PART NO.	DESCRIPTION	QTY
1	98-7912	PANEL - curbside	1
2	33-4405	INSULATION - panel (curbside)	1
3	98-8185	DOOR - engine (curbside)	1
4	33-4406	INSULATION - engine (curbside)	1
5	98-8186	DOOR - engine (roadside)	1
6	33-4407	INSULATION - engine (roadside)	1
7	98-7913	DOOR - control box	1
8	92-6519	INSERT - panel	1
	51-1842	RIVET - insert panel	4
9	92-6522	LATCH - door	1
10	92-6774	LOCK - door	1
11	33-1435	BUMPER - latch handle	1
12	91-2704	RETAINER - door latch	2
	51-1689	SCREW - latch	4
13	92-6524	STRIKE - door (upper)	1
14	92-6525	NUTSTRIP - latch	2
15	99-9973	SPRING - latch (cw top)	1
16	99-9974	SPRING - latch (ccw bottom)	1
17	92-6518	STRIKE - door (lower)	1
	55-1173	LOCKWASHER	1
	55-7072	FLATWASHER	1
	51-1996	NUT - square	1
18	92-6518	BUMPER - door	1
19	92-7203	BRACKET - door	1
	92-7204	ANGLE - bracket	1
20	90-451	KIT - hinge (left side, includes 21 & 23)	2
21	92-9408	*HINGE - left side	2
22	92-6520	HINGE	4
23	93-101	RETAINER - hinge	4
24	90-452	KIT - hinge (right side, includes 23 & 25)	1
25	92-9409	*HINGE - right side	2
26	92-6877	HINGE - front doors	4
	51-718	SCREW - hinge (M6)	8



DOORS, BOTTOM SECTION (before 5/10)**225C9**Revised
07/26/12

REF	PART NO.	DESCRIPTION	QTY
	51-1828	SCREW - hinge (M5)	8
27	33-4605	INSULATION - engine (curbside)	1
28	33-4445	STRIP - foam (1 meter lg, cut to length)	A/R
29	33-4447	SEAL - door	1
30	33-4446	SEAL - HMI	1
31	98-7907	PANEL - bottom	1
	51-1964	SCREW - panel	26
32	33-4852	STRIP - foam (100 ft, cut to length)	A/R



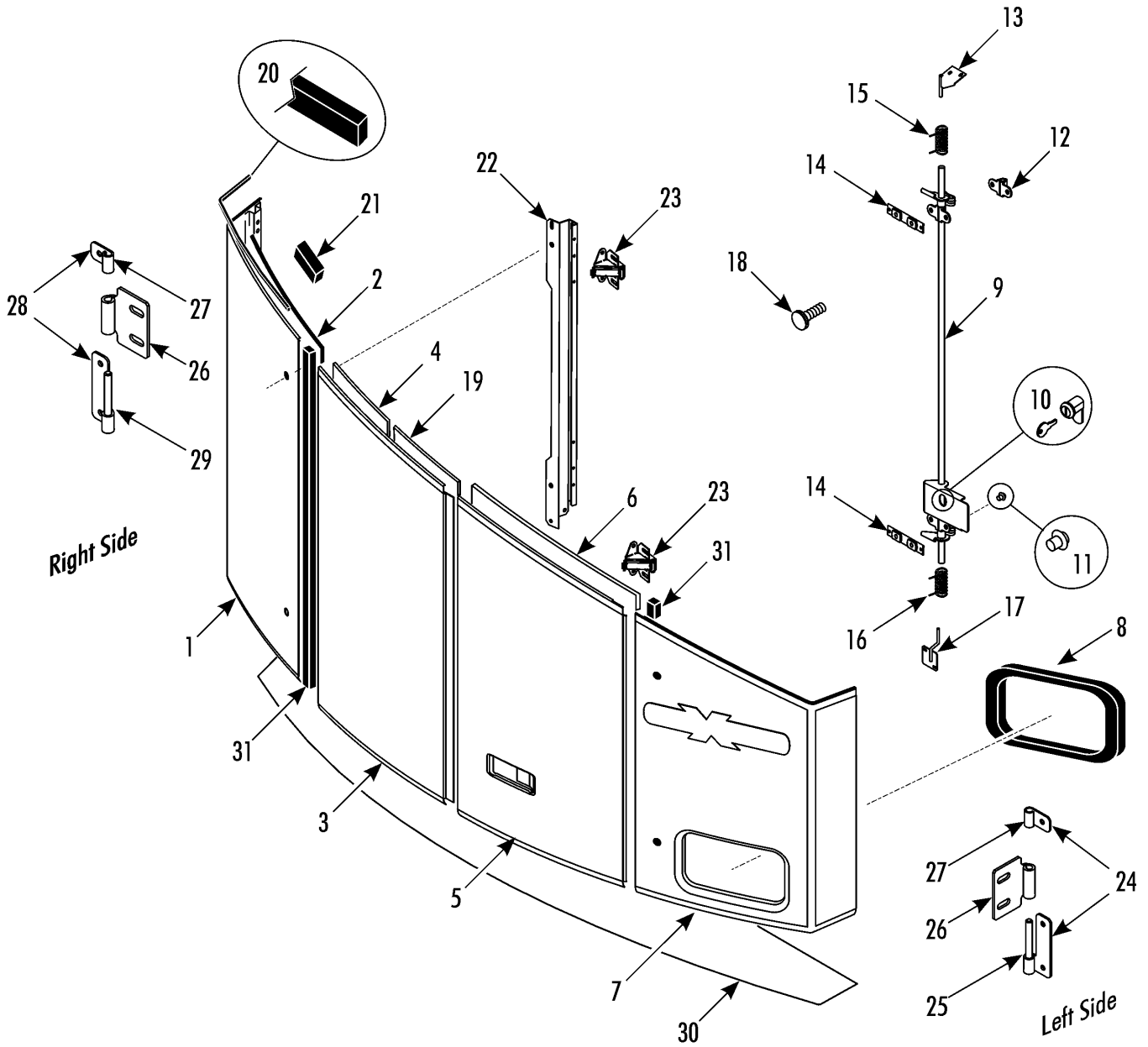
DOORS, BOTTOM SECTION (5/10 & after micro channel cond coil)

Revised
10/01/12



242C8

REF	PART NO.	DESCRIPTION	QTY
1	98-7912	PANEL - lower right	1
2	33-4405	INSULATION - panel (right side)	1
3	98-8185	DOOR - engine (right side)	1
4	33-4406	INSULATION - engine (right side)	1
5	98-8186	DOOR - engine (left side)	1
	91-5057	BUMPER - door	1
6	33-4407	INSULATION - engine (left side)	1
7	98-8512	DOOR - control box (SLX)	1
	98-9070	DOOR - control box (SLXe)	1
8	33-4446	SEAL - HMI	1
9	92-6522	LATCH - door	1
10	92-6774	*LOCK - door	1
11	33-1435	BUMPER - latch handle	1
12	91-2704	RETAINER - door latch	2
	51-1689	SCREW - latch	4
13	92-6524	STRIKE - door (upper)	1
14	92-6525	NUTSTRIP - latch	2
15	99-9973	SPRING - latch (cw top)	1
16	99-9974	SPRING - latch (ccw bottom)	1
17	92-6518	STRIKE - door (lower)	1
	55-1173	LOCKWASHER	1
	55-7072	FLATWASHER	1
	51-1996	NUT	1
18	92-6518	BUMPER - door	1
19	33-4605	INSULATION - engine (curbside)	1
20	33-4445	STRIP - foam (1 meter lg, cut to length)	A/R
21	33-4447	SEAL - door	1
22	92-7203	BRACKET - door	1
	92-7204	ANGLE - bracket	1
23	92-6877	HINGE - front doors	4
	51-718	SCREW - hinge (M6)	8
	51-1828	SCREW - hinge (M5)	8
24	90-451	KIT - hinge (left side, includes 25 & 27)	2



**DOORS, BOTTOM SECTION (5/10 & after micro
channel cond coil)**

Revised
10/01/12



242C8

REF	PART NO.	DESCRIPTION	QTY
25	92-9408	*HINGE - left side	2
26	92-6520	HINGE	4
27	93-101	RETAINER - hinge	4
28	90-452	KIT - hinge (right side, includes 27 & 28)	2
29	92-9409	*HINGE - right side	2
30	98-9074	PANEL - bottom	1
	51-1964	SCREW - cover	26
31	33-4852	STRIP - foam (100 ft, cut to length)	A/R



1



7



2



3



4



27



5



6



26

THERMO KING

8



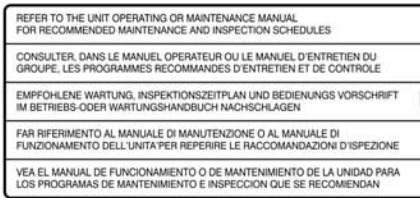
22



23



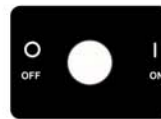
9



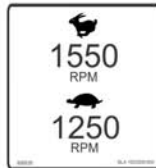
11



14



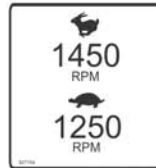
17



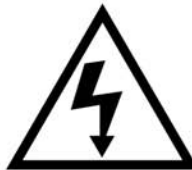
15



16



25



18



20



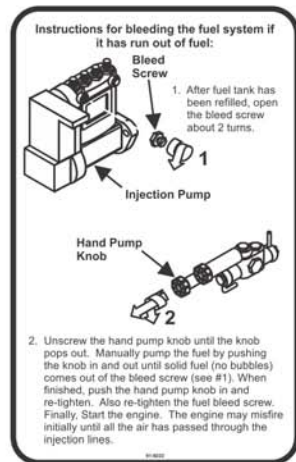
21



10



12



13



19



24



28



29



REF	PART NO.	DESCRIPTION	QTY
1	91-8342	NAMEPLATE - TK logo (lens, 82 x 92)	1
	92-6527	NAMEPLATE - TK logo (lens, 262 x 293)	1
	91-8342	NAMEPLATE - TK logo (76 x 86)	1
	99-7411	NAMEPLATE - TK logo (144 x 152)	1
2	92-6605	NAMEPLATE - SLX 100	1
3	92-6529	NAMEPLATE - SLX 200	1
4	92-7661	NAMEPLATE - SLX 300	1
5	92-6559	NAMEPLATE - SLX 400	1
6	92-7563	NAMEPLATE - SLX SPECTRUM	1
7	92-6772	NAMEPLATE - Green Tech	1
8	92-7351	NAMEPLATE - Thermo King	1
9	99-9941	NAMEPLATE - Caution, Cycle Sentry	1
10	99-8421	NAMEPLATE - Caution, High Voltage	1
	99-9856	NAMEPLATE - Caution, High Voltage (multi-language)	1
11	99-8509	NAMEPLATE - Maintenance	1
12	91-1086	HOLDER - records	1
13	91-8222	NAMEPLATE - Bleed Fuel System	1
14	92-4321	NAMEPLATE - voltage	1
15	92-6530	NAMEPLATE - Engine Speed (SLX 100/200)	1
16	92-6643	NAMEPLATE - Engine Speed (SLX 400, Spectrum)	1
17	92-5712	NAMEPLATE - On-Off	1
18	99-7834	NAMEPLATE - Caution	1
19	91-5882	NAMEPLATE - R404A	3
20	91-5886	NAMEPLATE - Refrigerant R404A	1
21	92-5374	NAMEPLATE - Sound Power (103 Ldb)	1
	92-2923	NAMEPLATE - Sound Power (99 Ldb)	1
	92-7422	NAMEPLATE - Sound Power (98 Ldb)	1
	92-8538	NAMEPLATE - Sound Power (90 Ldb)	1
22	92-6818	NAMEPLATE - Pressure Vessel (receiver tank)	1
	92-6819	NAMEPLATE - Pressure Vessel (condenser coil)	1
	92-6820	NAMEPLATE - Pressure Vessel (heat exchanger)	1
	92-6821	NAMEPLATE - Pressure Vessel (accumulator tank)	1
	92-6822	NAMEPLATE - Pressure Vessel (evaporator coil)	1



1



7



2



3



4



27



5



6



26

THERMO KING

8



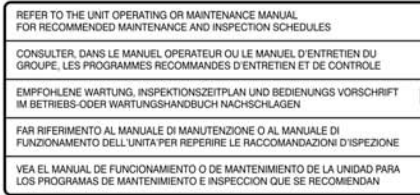
22



23



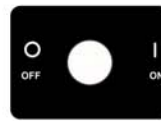
9



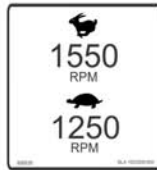
11



14



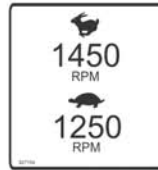
17



15



16



25



18



20



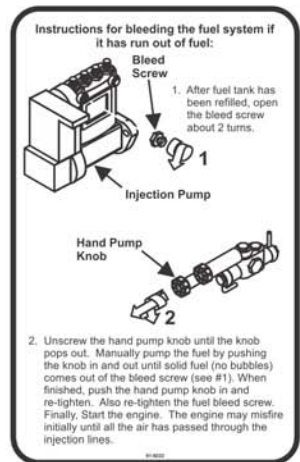
21



10



12



13



19



28



24



29

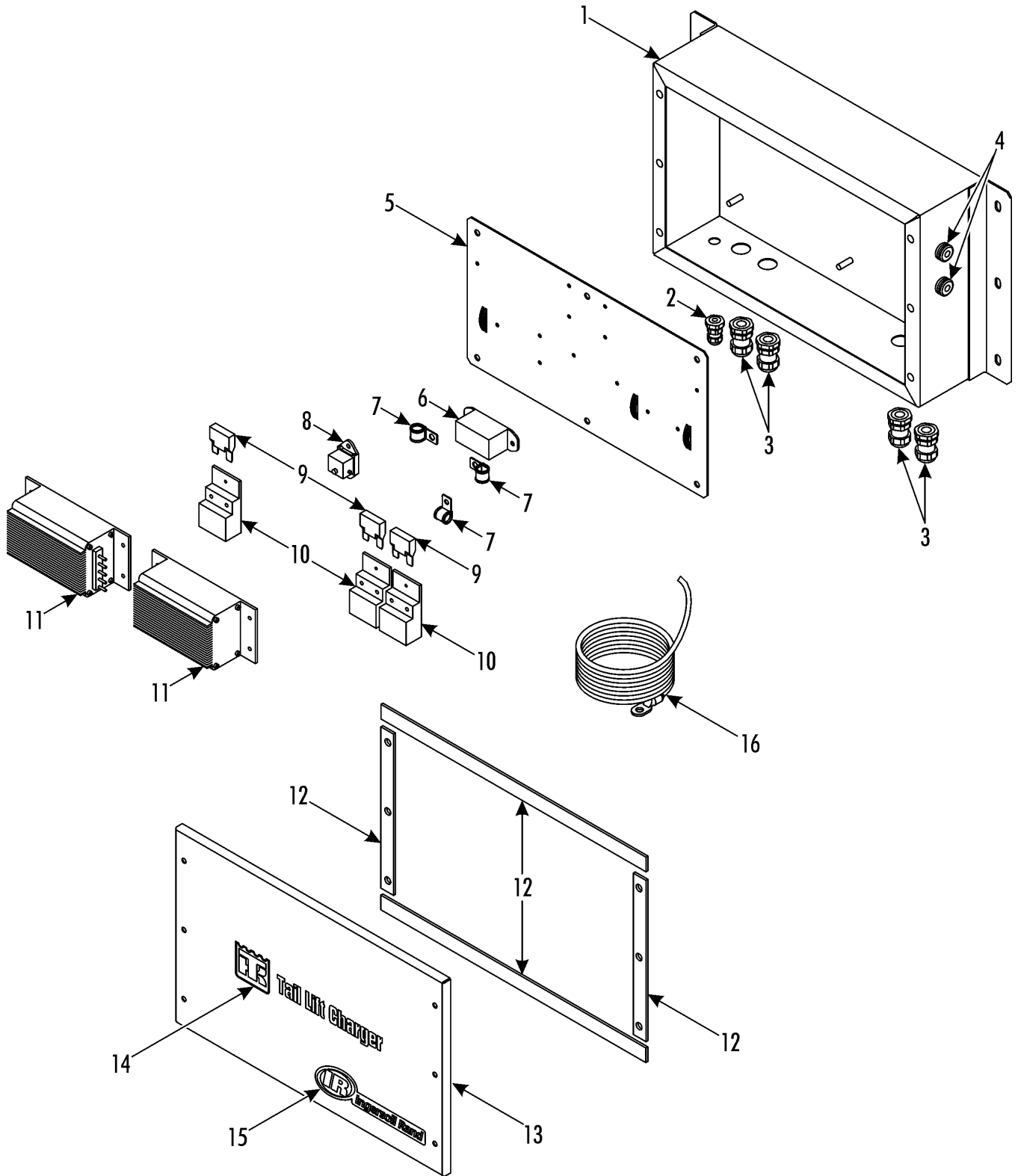
Revised
08/15/12

NAMEPLATES



225C7

REF	PART NO.	DESCRIPTION	QTY
23	92-7103	NAMEPLATE - Caution, Fan	1
24	91-9269	NAMEPLATE - Coolant	1
25	92-7104	NAMEPLATE - Engine Speed (SLX WHISPER)	1
26	92-8611	NAMEPLATE - Sterling	1
27	92-8527	NAMEPLATE - SLX WHISPER	1
28	92-8226	NAMEPLATE - Piek	1
29	92-5683	NAMEPLATE - Hot Surface	3





REF	PART NO.	DESCRIPTION	QTY
	40-1158	KIT - tail lift charger	1
1	92-9557	*BOX - tail lift charger	1
2	51-2183	*CONNECTOR - harness grip	1
3	55-6409	*CONNECTOR - harness grip	4
4	33-1178	*GROMMET (3/16 id)	2
5	92-9560	*PANEL	1
	51-1457	**STUD - self clinching	13
	55-7042	*NUT - panel	6
6	42-379	*HOLDER - fuse, mini	1
	55-9763	*NUT - holder	2
7	55-548	*CLAMP (.437 dia)	1
	55-3065	*CLAMP (.5 dia)	2
	55-9763	*NUT - clamp	3
8	44-8680	*FILTER - power	1
	55-9763	*NUT - filter	2
9	41-7275	*FUSE (30 amp)	1
	41-7420	*FUSE (50 amp)	1
	41-3666	*FUSE (60 amp)	1
10	42-380	*HOLDER - fuse, maxi	3
11	45-2456	*CHARGER	2
	55-9763	*NUT - charger	8
12	99-4976	*STRIP - gasket (50 ft)	A/R
13	92-9558	*COVER	1
	51-718	*SCREW - cover	6
14	92-9559	*NAMEPLATE - Tail Lift Charger	1
15	92-7367	*NAMEPLATE - IR Logo	1
16	40-1012	KIT - battery cable (30 ft. 4ga, ordered separately)	A/R
	40-1176	KIT - battery cable (45 ft. 4ga, ordered separately)	A/R
	40-1013	KIT - battery cable (60 ft. 4ga, ordered separately)	A/R



Ingersoll Rand's Climate Solutions sector delivers energy-efficient HVACR solutions for customers globally. Its world class brands include Hussmann, a manufacturer of refrigeration and food merchandising solutions, 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.

Distributed by:

Thermo King Corporate

314 West 90th Street
Minneapolis, MN 55420
Direct (952) 887-2200