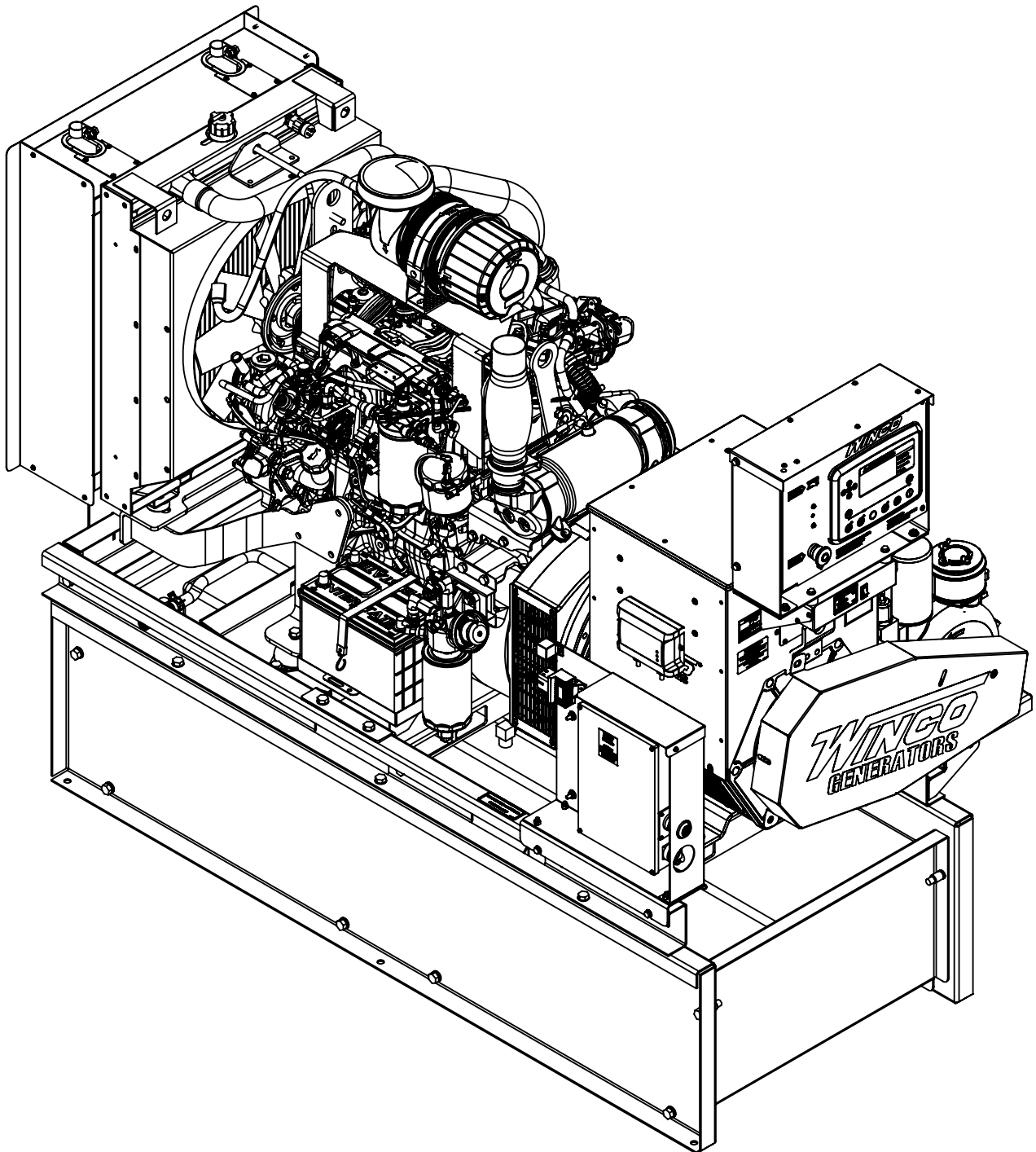


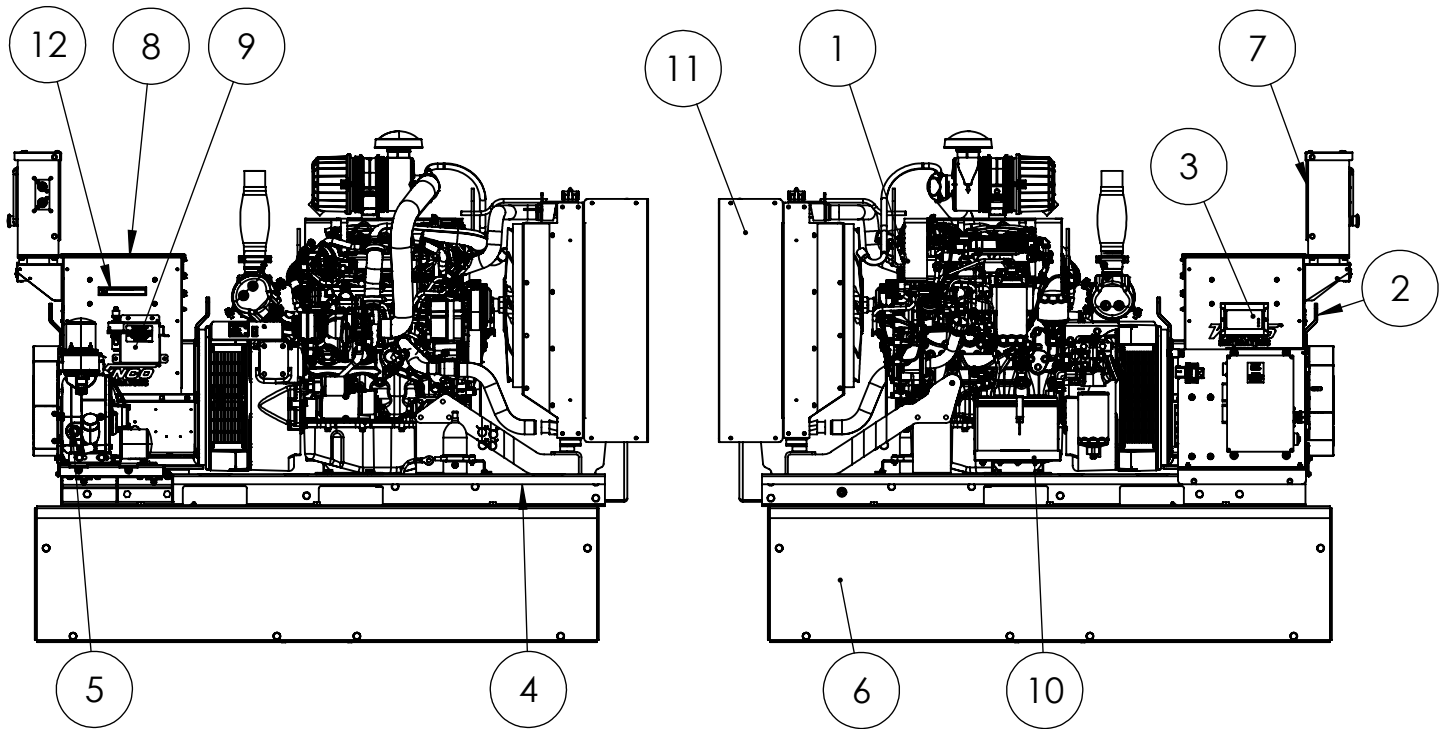


DE4040F4-XX/4 Parts List



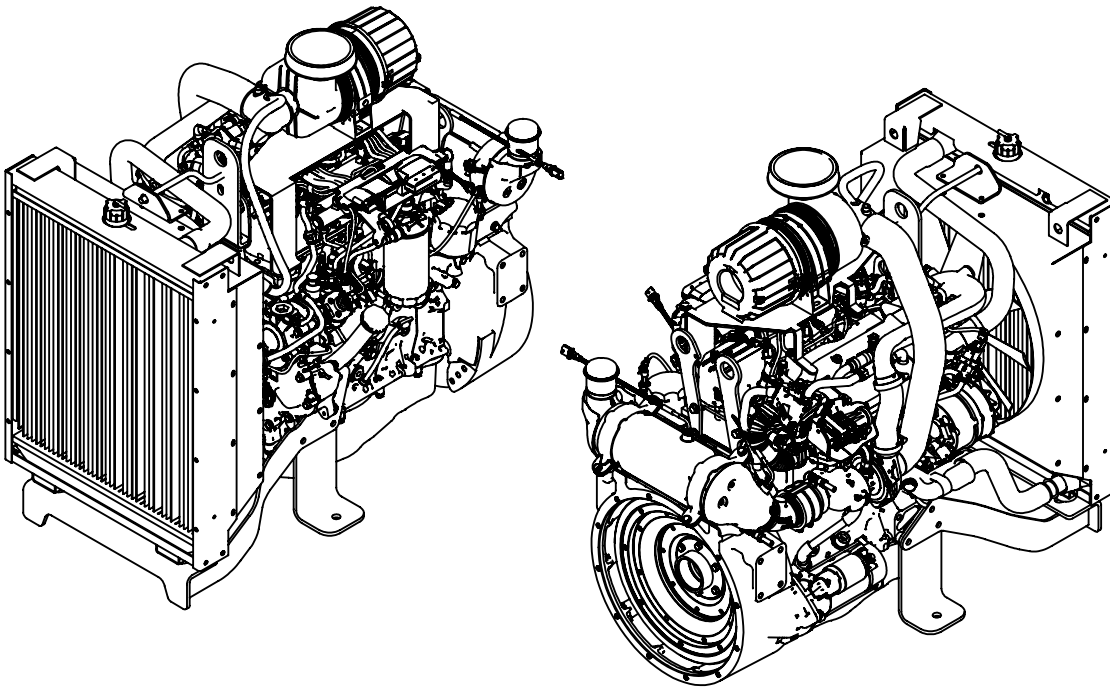
WINCO Service
Phone: 507-357-6831
Email: service@wincogen.com
www.wincogen.com

General Assembly



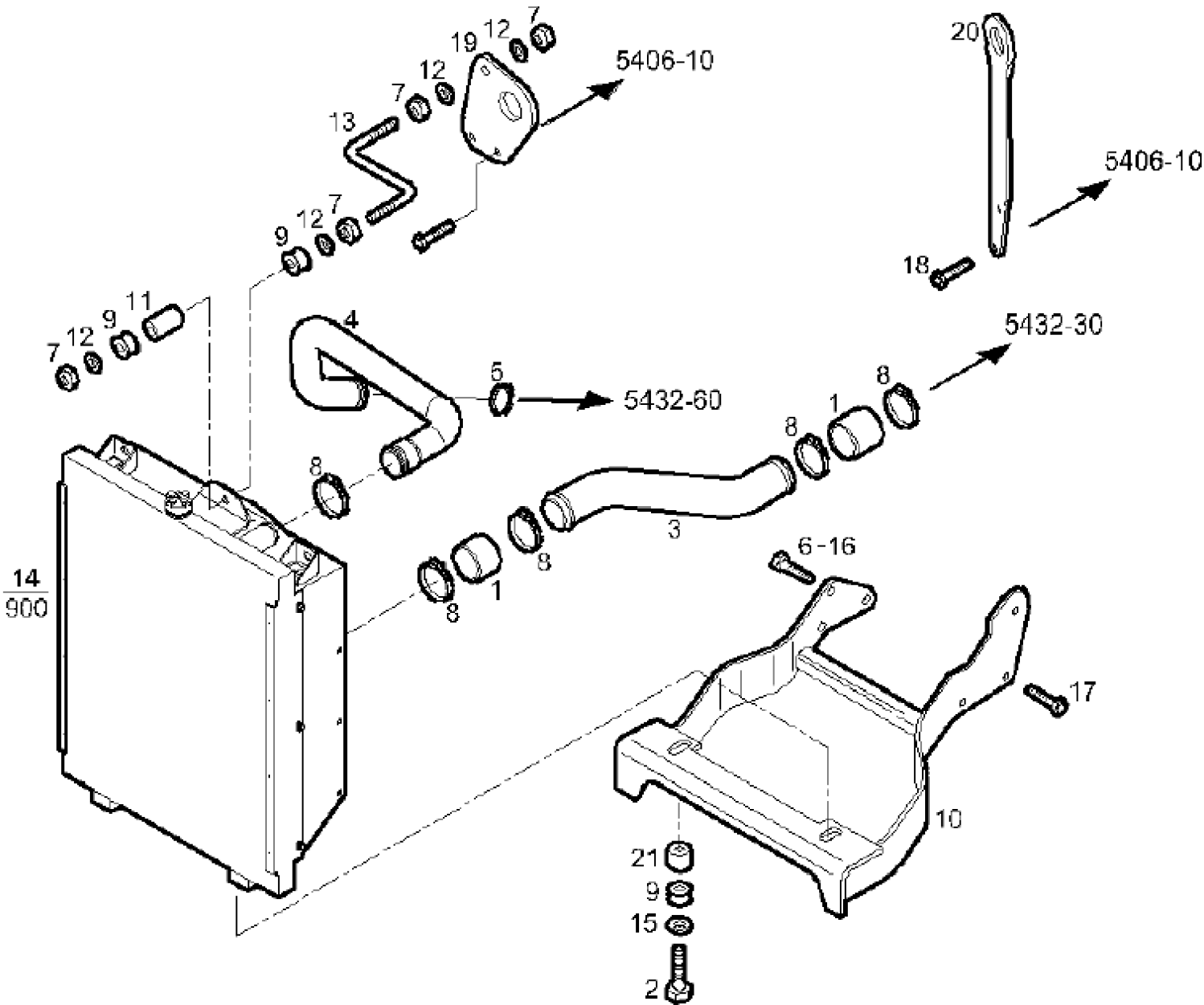
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	350001-92	ENGINE FPT F5C F34	1
2	351930-111	UCI224C NDE-PTO 311 WDG UL1004	1
3	352020-26	BATTERY CHARGER KIT, 12V, 1.5 AMP	1
4	1000-0738	DE4040 BASE ASSEMBLY	1
5	1000-0760	DE4040 COMPRESSOR COMPONENT ASSEMBLY	1
6	1000-0554	DE FUEL TANK ASSEMBLY	1
7	1000-0541	CONTROLLER MOUNT ASSEMBLY	1
8	1000-0769	DISTRIBUTION BOX ASSEMBLY	1
9	1000-0776	COMPRESSOR CONTROL	1
10	805050-000	BATTERY TRAY KIT	1
11	1000-0779	DE4040 HARDWARE KIT	1
12	1000-0783	DECAL AND NAMEPLATE INSTALLATION DE4040 MKII	1
13	80765-010	BATTERY 12V 650CCA GROUP 24	1
14	811044-001	ENGINE HARNESS WINCO SIDE F5C	1
15	411050-001	ENGINE ECU HARNESS FPT F5C	1

Engine



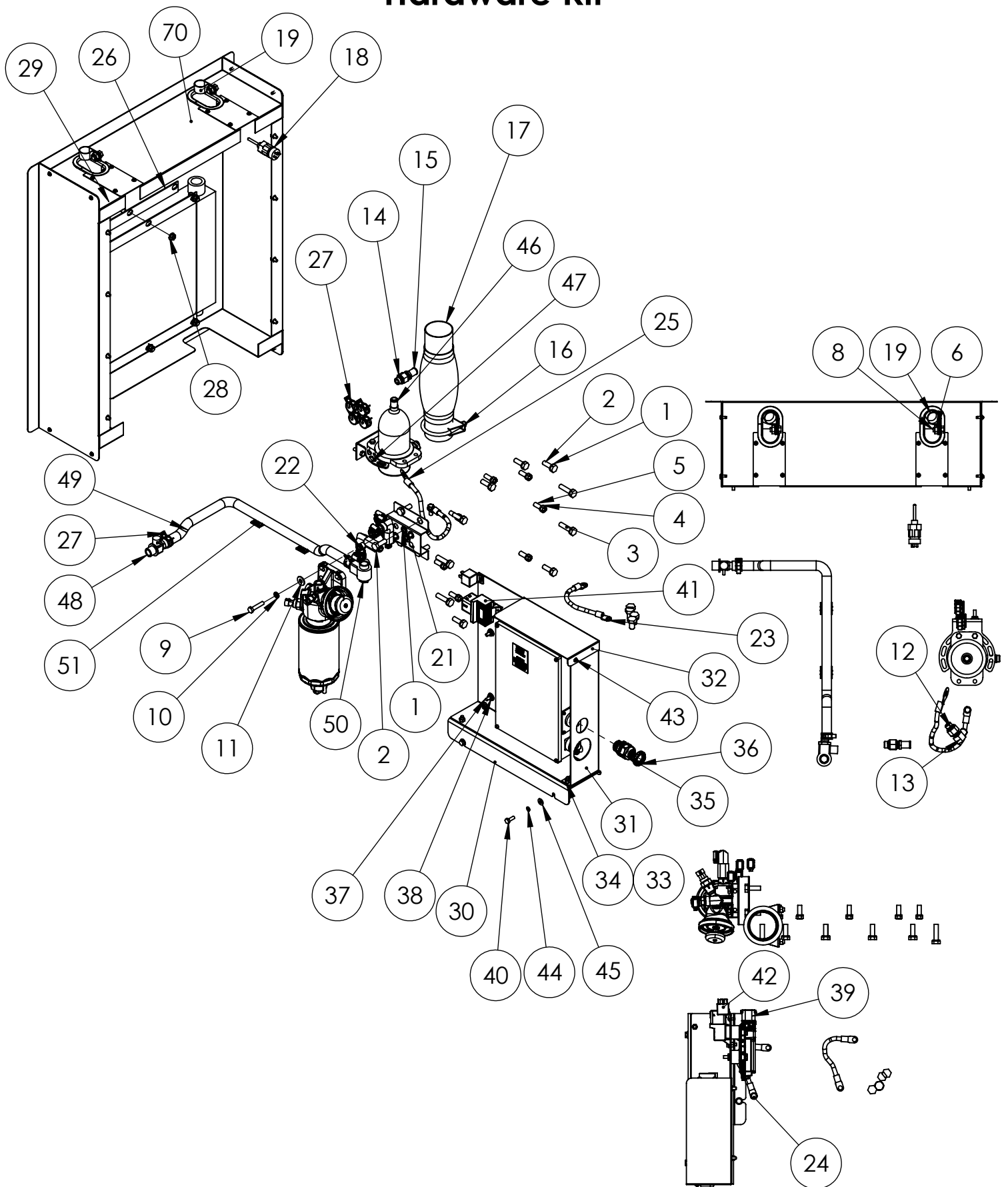
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	6-137	AIR FILTER	1
2	6-138	OIL FILTER	1
3	6-139	FUEL FILTER	1
4	6-140	WATER SEPARATOR FILTER	1
ALL ITEMS LISTED IN THE ABOVE TABLE ARE INCLUDED WITH A 16200-021 MAINTENANCE KIT PURCHASE			
5	6-176	STARTER MOTOR	1
6	6-177	ALTERNATOR	1
7	6-159	FAN BELT	1
8	6-180	AIR FILTER HOSE	1
9	6-181	AIR TEMPERATURE SENSOR	1
10	6-178	UPPER RADIATOR HOSE	1
11	6-179	LOWER RADIATOR HOSE	2
Contact Winco service for full engine parts support.			

Radiator Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
--	6-178	UPPER RADIATOR HOSE	1
--	6-179	LOWER RADIATOR HOSE	2
Contact Winco service for full engine parts support.			

Hardware Kit



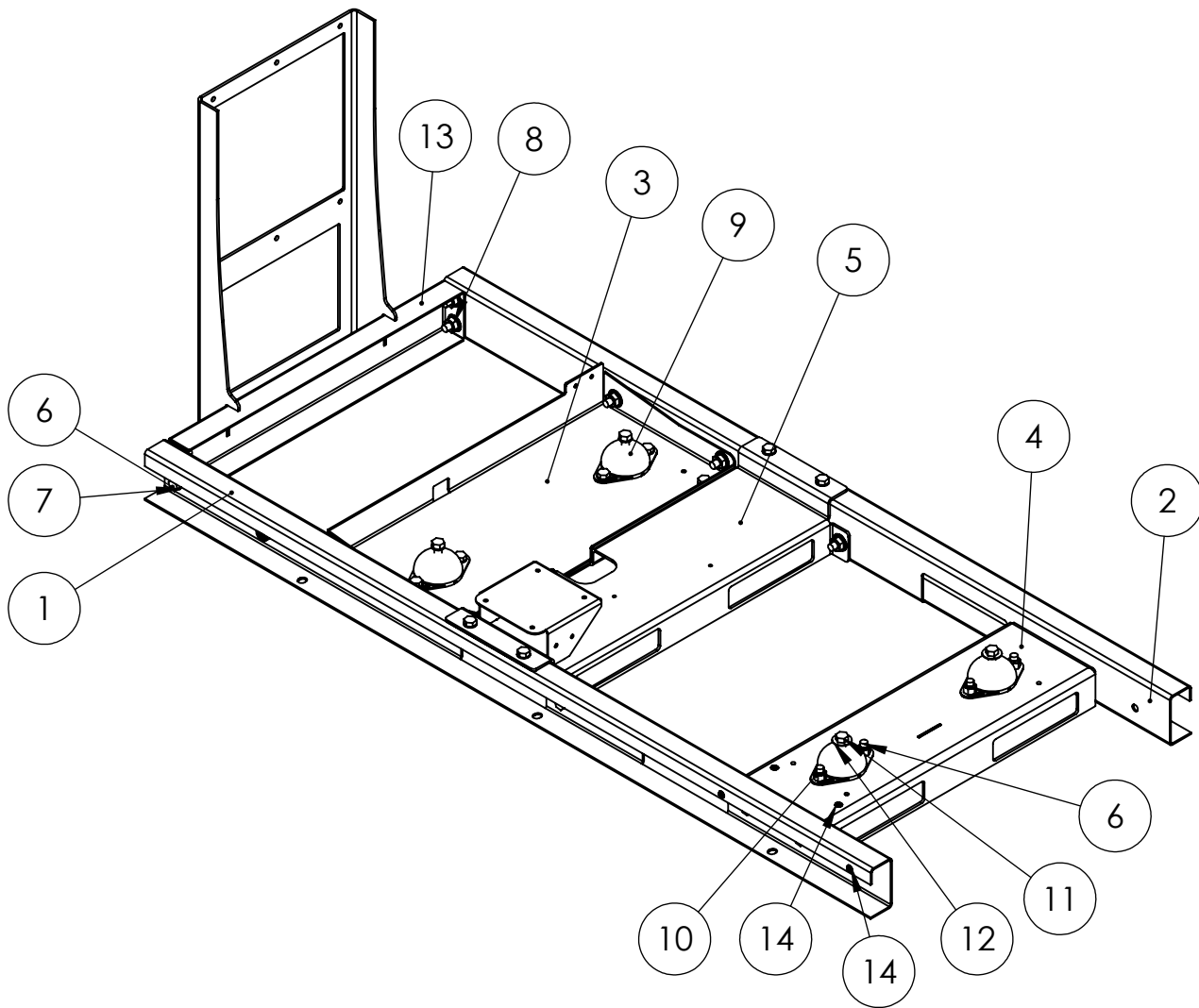
Hardware Kit continued

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	97436-010	M10 LOCKWASHER	16
2	96003-030	M10-1.5X30MMM	12
3	96003-040	HHCS M10-1.5X 40MM BLACK	4
4	481-001	LOCKWASHER 3/8 SPLIT BLACK	8
5	350253-2	.375-24X1 HHB BLACK	8
6	16250-000	.375-16 FLANGE NUT	2
7	481-000	LOCK 3/8 SPLIT	2
8	464-000	.375-16X.75 HHB	2
9	468-000	.3125-18X1.5 HHCS	3
10	480-000	5/16 SPLIT LOCKWASHER	3
11	526-000	WASHER ID .375 OD .890	9
12	300349-6	ADAPTER M16X1.5(M) X 3/8-18NPT (F)	1
13	92382-000	HOSE FIT.ELBOW .375NPT X .625 HOSE	1
14	300349-9	ADAPTER M18X1.5(M) X 3/8-18NPT (F)	1
15	92388-000	HOSE FIT .375NPT X .625 HOSE	1
16	93489-002	MUFFLER CLAMP 2.5"	1
17	64743-002	2.5" X 8 FLEX	1
18	6-117	LOW COOLANT SENSOR	1
19	97391-013	TUBE CLAMP/CUSH.WIRE 1-1/16	4
20	1000-0577	FPT F5C F34 LOOSE PARTS KIT	1
21	1000-0778	F5C FUEL FILTER MOUNT	1
22	352126-1	RIVET NUT 5/16-18 .027-.150	3
23	93542-018	LEAD WIRE	2
24	65004-001	SELF TAP.SC. 5/16-18X.75	2
25	93542-013	LEAD WIRE ASSY	1
26	352108-001	NK31 AIR/OIL COOLER	1
27	81019-000	HOSE CLAMP CONSTANT TENSION 24MM, 5/8 HOSE	6
28	16249-000	.3125-18 FLANGE	6
29	467-000	.3125-18X.75 HHB	6
30	1000-0780	BLACK BOX FRAME MOUNT	1
31	1000-0579	DE BLACK BOX BRACKET	1
32	803050-005	BLACK BOX COVER	1
33	94980-003	THREAD STUD .25-20 X .750	4
34	47517-000	.25-20 NYLOCK	5
35	93073-031	CORD GRIP .75 NPT	1
36	22627-000	3/4 NPT CONDUIT NUT	1
37	71605-003	SHOCKMOUNT, BLACK, 30-35 DURO	4
38	16248-000	.25-20 FLANGE NUT	8
39	6-114	ENGINE CONTROL UNIT	1
40	466-000	.25-20X.75 HHB	5
41	6-115	GLOW PLUG CONTROLLER	1
42	59944-016	RELAY 12VDC 30AMP SPDT	1
43	21698-001	TORX PAN HEAD SCREW #10	2
44	479-000	LOCK WASHER, .25" SPLIT	4

Hardware Kit continued

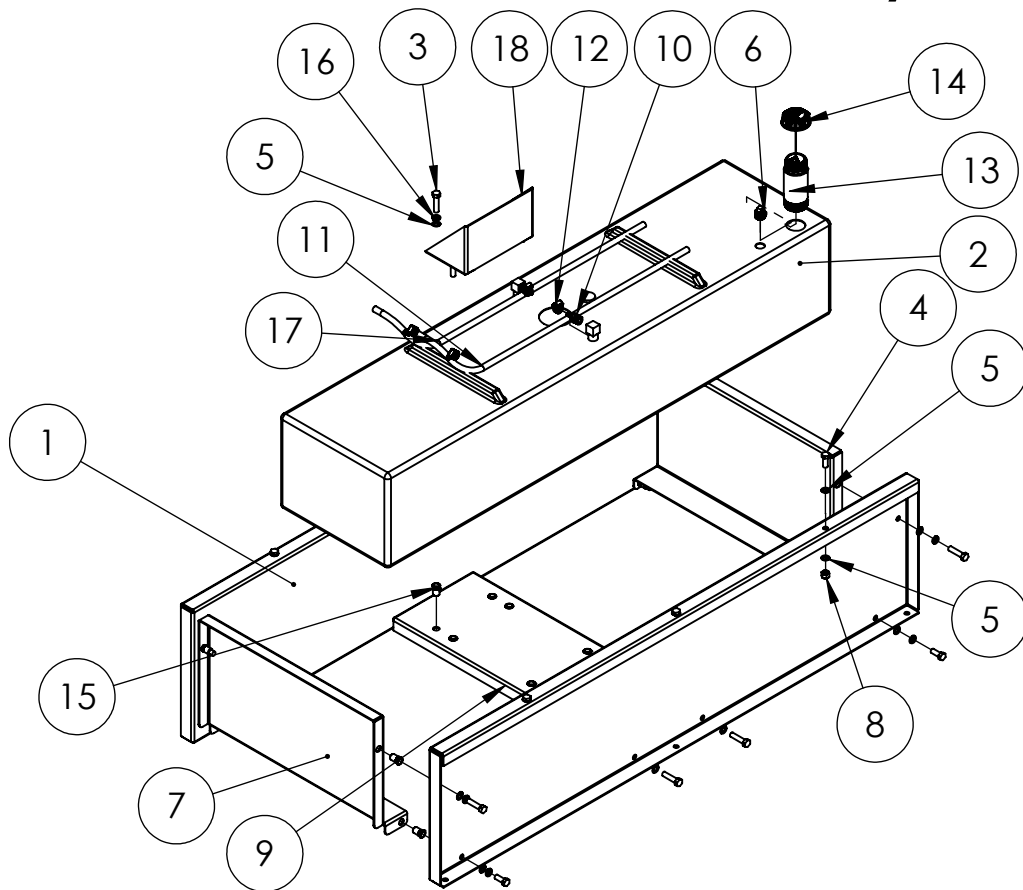
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
45	512-000	.25 WASHER	4
46	80781-018	BLOCK HEATER WITH THERMOSTAT ASSY	1
47	351929-2	BLOCK HEATER BRACKET	1
48	98906-004	OIL DRAIN VALVE .5-14 NPTX.625T-202N	1
49	93689-001	HOSE, 0.625 ID, 25 IN. LONG	1
50	98906-024	OIL DRAIN VALVE M22 X 1.5 NPT X .625IN BARB, BANJO STYLE	1
51	95810-000	CABLE TIE HOLDER	2
52	56107-003	RED HOSE 5/8ID RUBR.24IN	1
53	56107-005	HOSE 5/8ID RUBR.30IN	1
54	2000-0045	SHIP LOOSE FOAM KIT FOR FIELD INSTALLATION	1
55	300349-1	OIL DRAIN ADAPTER	2
56	99875-000	ELBOW-STREET 3/8NPT 90DEG BRASS	2
57	94319-007	HOSE FIT. .375-18NPT X .375 HOSE BARB	2
58	81018-006	HOSE CLAMP 7/8 TO 3/8 X 1/2 WIDE	6
59	96187-001	OIL DRAIN GASKET M14 ID	2
60	350046-003	OIL COOLER HOSE SHORT	1
61	350046-004	OIL COOLER HOSE ASSEMBLY LONG	1
62	350046-005	AIR LINE ASSEMBLY	1
63	97391-011	TUBE CLAMP 2.25"	1
64	94270-020	HHCS M12-175X 20MM	4
65	93341-012	LOCKWASHER M12 ZINC	4
66	16504-000	DECAL-NEUTRAL BONDED TO FRAME	1
67	64841-000	NUT HEX M5-0.8 FLANGE LOCK ZINC	1
68	64841-001	M6-1.0 FLANGE NUT ZINC	1
69	16446-000	M8-1.25 NYLOCK	1
70	806044-023	DUCTING ASSEMBLY	1

Base Frame Assembly



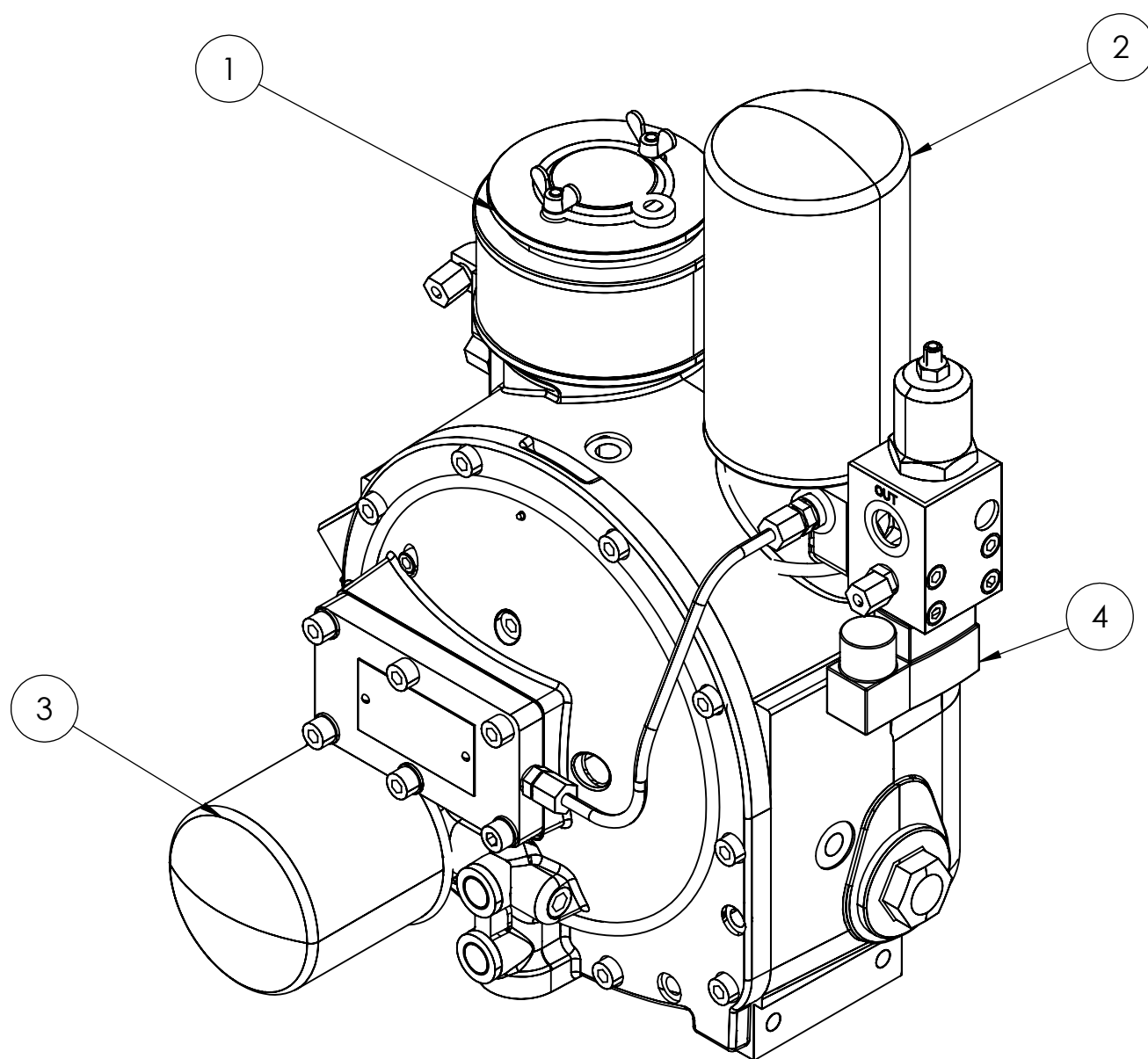
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1000-0743	DE4040 LEFT SIDE BASE RAIL WELDMENT	1
2	1000-0744	DE4040 RIGHT SIDE BASE RAIL	1
3	1000-0782	DE4040 ENGINE CROSSMEMBER	1
4	1000-0741	DE4040 GEN CROSSMEMBER WELDMENT	1
5	1000-0565	DE FORWARD FORK POCKET WELDMENT	1
6	1516-000	.5-13X1.25 HHB	28
7	21867-001	FLAT WASHER .51 X .88 X .05	30
8	16248-001	.5-13 FLANGE NUT	24
9	98956-001	SHOCKMOUNT 40 DURO (GREEN DOT)	4
10	92242-000	NUT HEX .500-13 NYLOCK	4
11	57580-000	.5-13X1.5 HHB	4
12	21867-000	FLAT WASHER	2
13	1000-0747	OIL COOLER MOUNT WELDMENT	1
14	352125-1	1/4-20 RIVET NUT 22 GA-10GA	4

Base and Fuel Tank Assembly



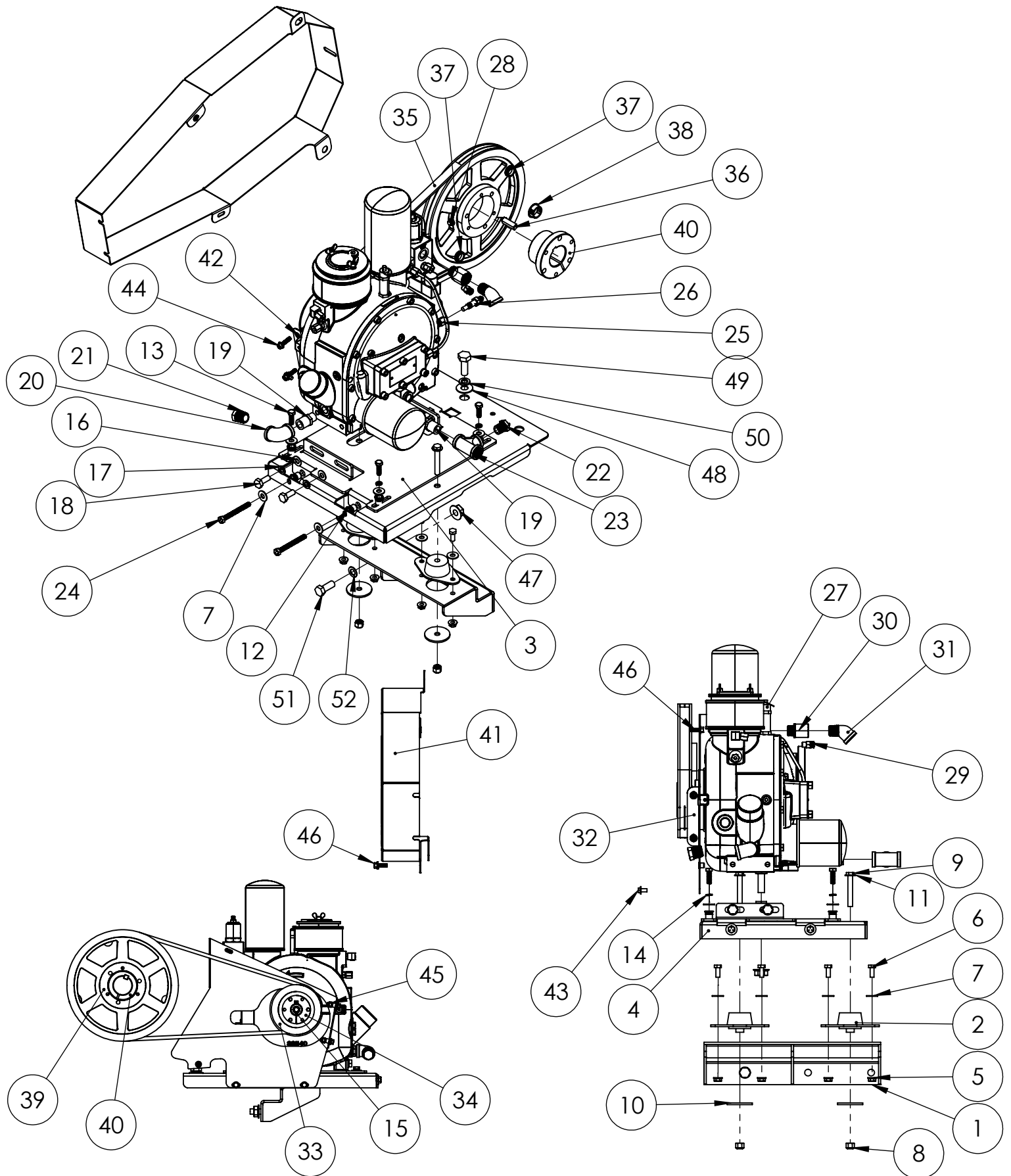
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1000-0549	DE FUEL TANK SIDE RAIL	2
2	350041-142	FUEL TANK, 47 USEABLE GALLON, PLASTIC FUEL TANK WITH DIP TUBES	1
3	57580-000	.5-13X2.0 HHB	14
4	1516-000	.5-13X1.25 HHB	9
5	21867-001	FLAT WASHER .51 X .88 X .05	30
6	93564-000	PIPE PLUG 3/4 SQUARE HEAD	1
7	1000-0548	DE FUEL TANK END CAP	2
8	92242-000	NUT HEX .500-13 NYLOCK	7
9	1000-0550	DE CENTER FUEL TANK CROSSMEMBER	1
10	94319-008	HOSE FIT. .500-14NPT X .375 HOSE BARB	2
11	55505-028	HOSE 3/8 ID X 55" LONG	1
12	81018-006	HOSE CLAMP 7/8 TO 3/8 X 1/2 WIDE	4
13	15482-010	FUEL NECK ADAPTER 2.25" FILL	1
14	15482-011	FUEL CAP, 2.25 INCH, 2-WAY VENTED, TETHERED, DIESEL ONLY, GREEN, 8IN TETHER	1
15	352125-3	RIVET NUT 0.5-13, .063 - .200 (SHEET METAL HOLES SIZE .6875)	20
16	636-000	LOCKWASHER 1/2 SPLIT	16
17	55505-024	HOSE 3/8 ID X 50" LONG	1
18	1000-0551	DE CENTER FUEL TANK STOP	1

AIR COMPRESSOR



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	11-100	AIR FILTER	1
2	11-101	OIL FILTER	1
3	11-102	SEPARATOR FILTER	1
4	11-106	DC SOLENOID	1

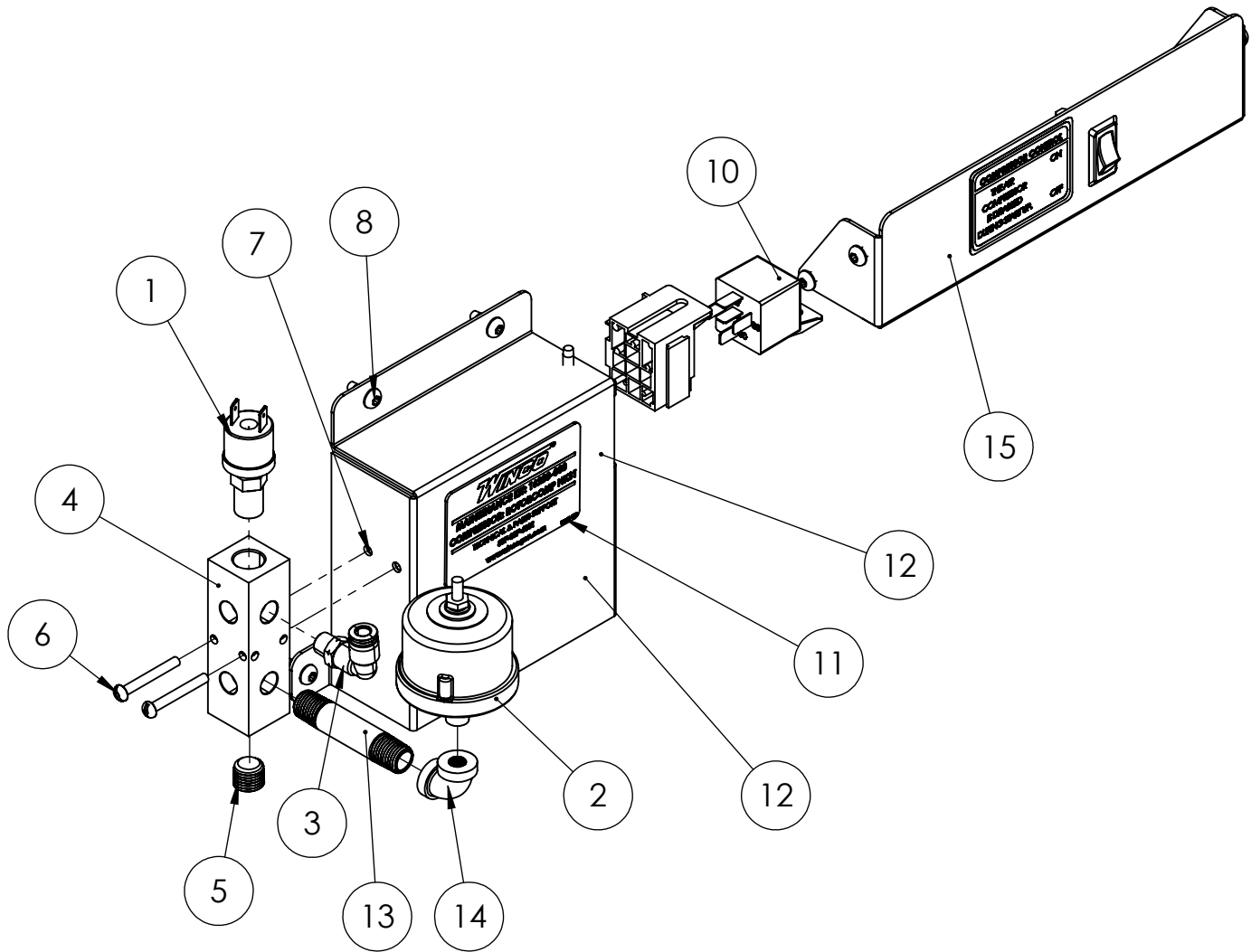
Compressor Components Assembly



Compressor Components Assembly

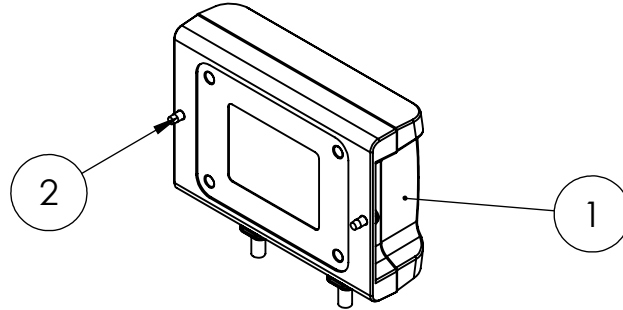
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1000-0757	COMPRESSOR MOUNT WELDMENT	1
2	98807-000	SHOCKMOUNT 40 DURO	2
3	1000-0759	COMPRESSOR SLIDING PLATE	1
4	1000-0758	COMPRESSOR BASE TO GEN MOUNT PLATE	1
5	16249-000	.3125-18 FLANGE	4
6	467-000	.3125-18X.75 HHB	4
7	526-000	5/16 FLAT WASHER	10
8	56864-000	NUT HEX 3/8-16 NYLOK	2
9	91658-007	3/8-16X2.5	2
10	98806-000	WASHER .406 X 2	2
11	20604-000	3/8 WASHER	2
12	352126-1	RIVET NUT 5/16-18 .027-.150	6
13	1116-000	HHCS .3125-18X1	4
14	480-000	LOCK .3125 SPLIT	4
15	352108-000	NK31 AIR END	1
16	93548-000	FLAT WSH METRIC M10 X 21MM	4
17	97436-010	M10 LOCKWASHER	4
18	96003-025	M10-1.5X25MM	4
19	80952-005	HEX REDU.ADAPTER. 3/8" BSPP MALE X 1/2" NPT MALE	2
20	81074-000	ELBOW-PIPE .500 NPT 90	1
21	97269-000	PIPE PLUG 1/2NPT HEX HEAD	1
22	15808-004	HIGH TEMPERATURE SWITCH	1
23	94055-000	PIPE TEE 1/2X1/2X1/2NPT	1
24	57523-001	HHCS 5/16-18X3 GR5 FULL THREAD	2
25	80952-000	ADAPTER BSPT1/4 MALE X 1/8 NPT FEMALE	1
26	352108-014	OIL TEMP SENSOR	1
27	352108-002	PRESSURE RELIEF VALVE 200 PSI	1
28	96040-004	1/8 BSPP	1
29	352108-016	FITTING PUSH TO CONNECT 1/4 TUBE 1/8 NPT STRAIGHT	1
30	80952-004	.5 MALE BSPP X .5 NPT FEMALE ADAPTER	1
31	92584-003	ELBOW STREET 1/2 NPT 45D	1
32	1000-0761	INSIDE BELT GUARD	1
33	96935-004	2 3V 475 SH V BELT PULLEY	1
34	96935-006	SH X 28MM QD BUSHING	1
35	95638-005	2-3VX580 V BELT	1
36	S205686	3/8 X 3/8 X 1-3/8 KEY	1
37	93402-001	HOLE PLUG .8125" DIA.	2
38	93402-003	HOLE PLUG 1.00IN DIA	1
39	96935-003	2 3V 1060 SK V BELT PULLEY	1
40	96935-007	SX X 1.75" QD BUSHING	1
41	1000-0762	BELT GUARD	1
42	352125-1	1/4-20 RIVET NUT 22 GA-10GA	3
43	55440-000	.25-20X.5 SELF TAP	2
44	352120-4	.25-20 X 1 FHCS, NON SERRATED	2
45	47517-000	.25-20 NYLOCK	2
46	352120-2	1/4-20 X .75 FHCS	2
47	16248-001	.5-13 FLANGE NUT	2
48	21867-000	FLAT WASHER	1
49	57580-000	HHCS 1/2-13 X 1.5 GR5	1
50	636-000	LOCKWASHER 1/2 SPLIT	1
51	1516-000	.5-13X1.25 HHB	1
52	21867-001	FLAT WASHER .51 X .88 X .05	1

Compressor Control



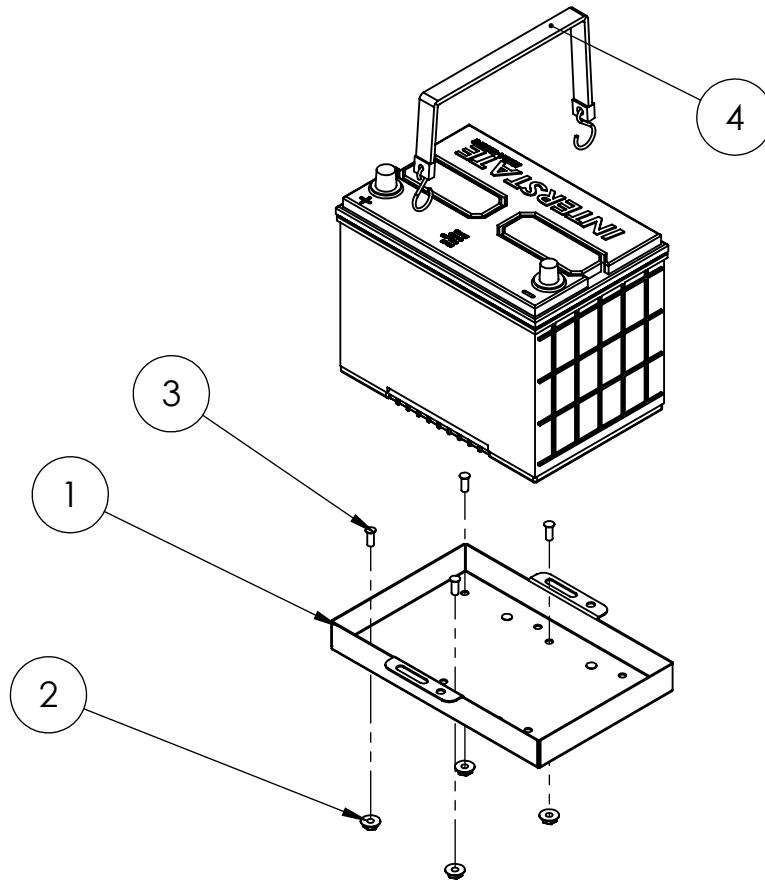
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	352108-017	AIR PRESSURE SWITCH	1
2	352108-011	AIR PRESSURE SENDER 150PSI	1
3	352108-015	FITTING PUSH CONNECT	1
4	352108-013	MANIFOLD 2-.125 NPT - 2.25 NPT	1
5	96040-003	PIPE PLUG 1/4 NPT HEX HEAD	1
6	23598-000	RHMS 8-32 X 1.375 ZINC	2
7	95985-000	#8-32 NYLOK HEX NUT	2
8	21698-001	TORX PAN HEAD SCREW #10	5
9	803044-002	COMPRESSOR CONTROL HARNESS	1
10	59944-016	RELAY 12VDC 30AMP SPDT	1
11	16200-530	MAINTENANCE KIT DECAL	1
12	1000-0777	COMPRESSOR CONTROL MOUNT	1
13	81375-005	PIPE NPL, .125 NPT X 2.5IN, BLACK IRON	1
14	23885-000	ELBOW PIPE 1/8NPT 90	1
15	2000-0167	ASSEMBLY-AIR COMPRESSOR SWITCH	1

Battery Chargers



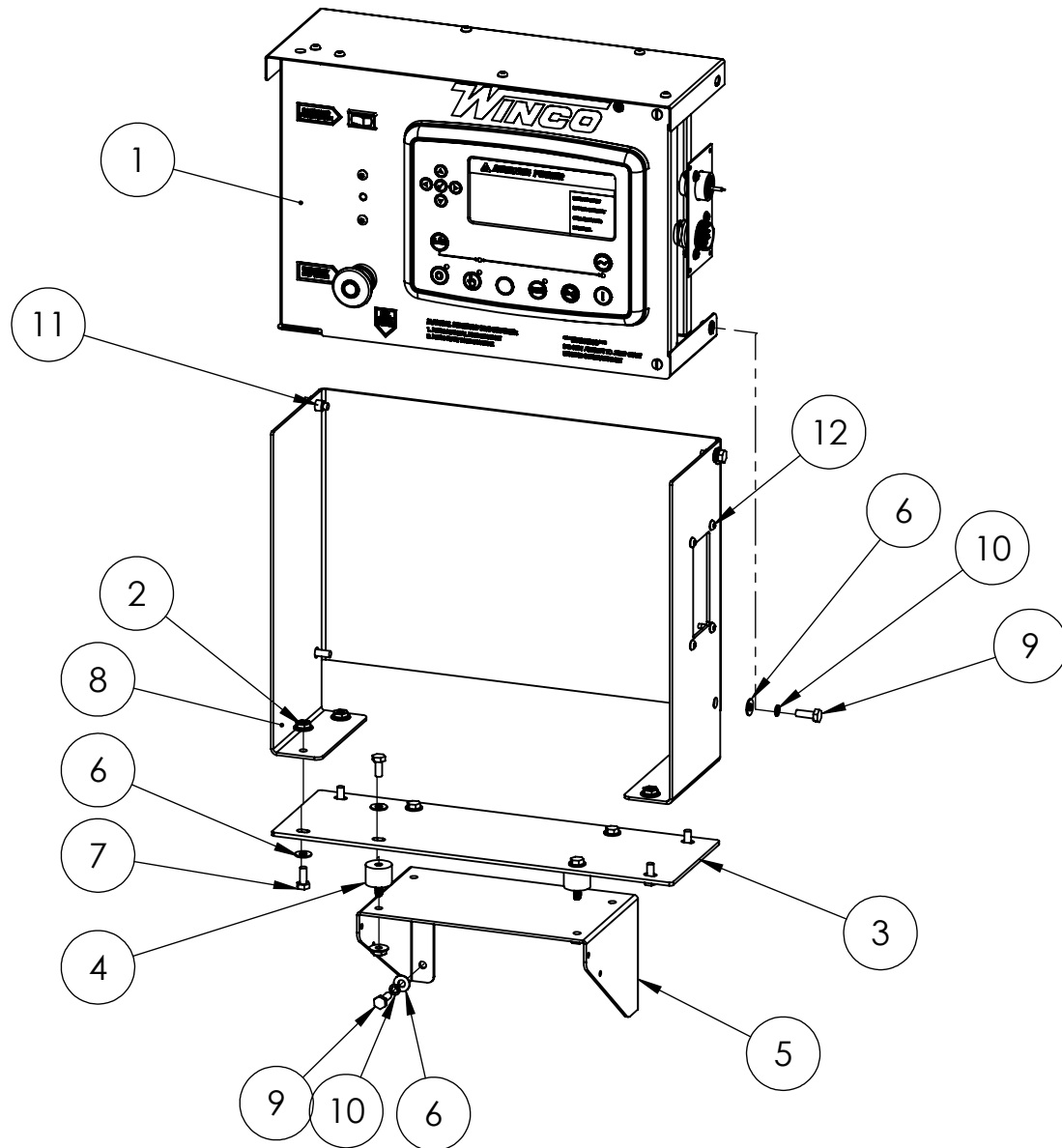
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	72036-022	BATTERY CHARGER, 12VDC, 1.5AMP, GUEST 2701A	1
2	21698-001	TORX PAN HEAD SCREW #10	2

Battery Kit



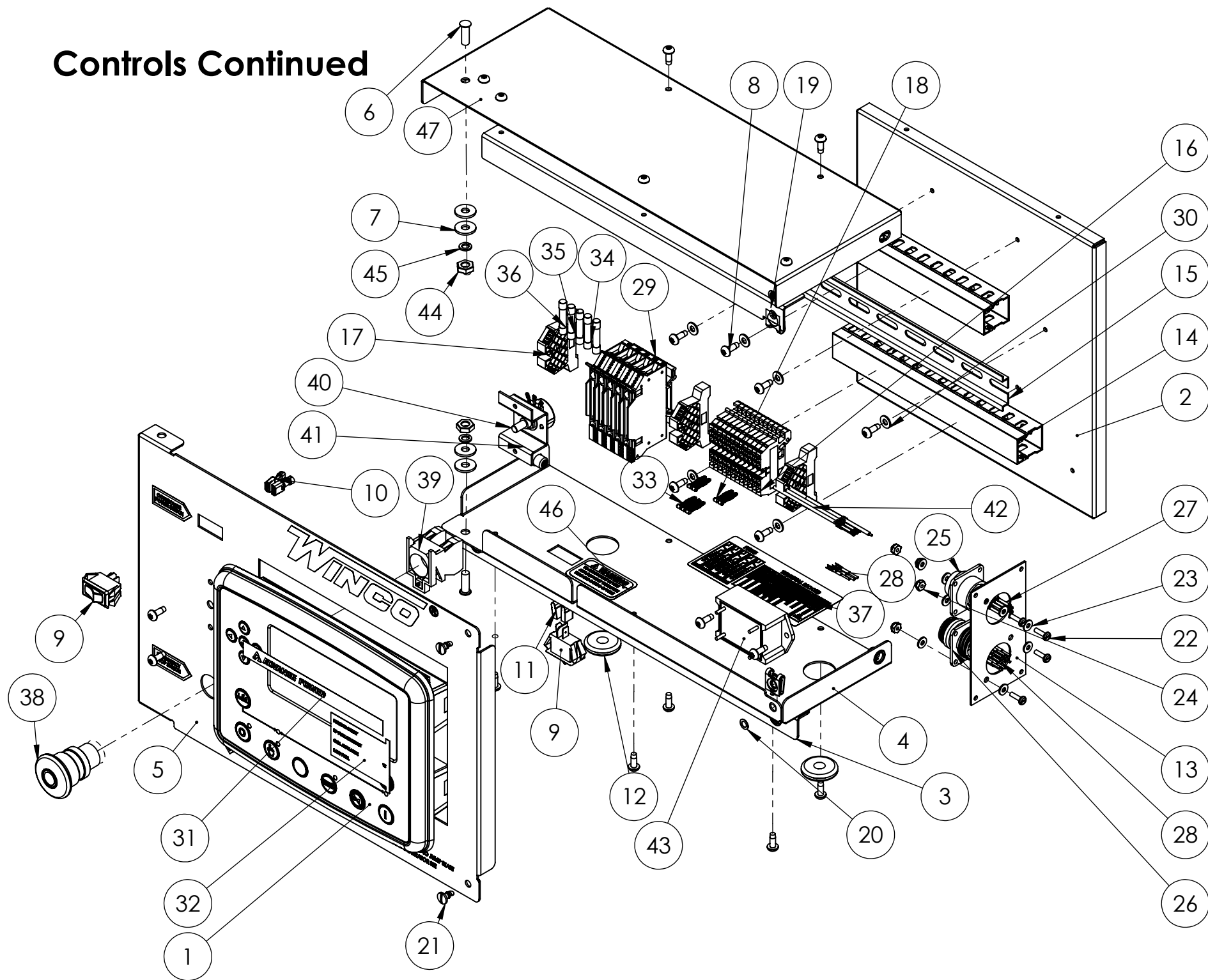
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	805050-001	BATTERY TRAY	1
2	16248-000	.25-20 FLANGE NUT	8
3	94980-001	THREAD STUD .25-20X.625	8
4	16329-001	RUBBER STRAP, BATTERY HOLD DOWN	1
5	53220-050	BATTERY CABLE 49" (NEGATIVE)	1
6	53220-069	BATTERY CABLE 48" (POSITIVE)	1

Controls



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	351891-51	ECU ENGINE CONTROLLER	1
2	16248-000	.25-20 FLANGE NUT	8
3	1000-0542	CONTROLLER VIBE MOUNT	1
4	64062-002	SHOCKMOUNT .25 50 DURO	4
5	1000-0561	CONTROLLER SIDE PEDESTAL	1
6	512-000	.25 WASHER	16
7	476-000	.25-20X.625 HHB	8
8	1000-0568	CONTROLLER BOX MOUNT	1
9	466-000	.25-20X.75 HHB	8
10	479-000	LOCK WASHER, .25" SPLIT	8
11	352125-1	1/4-20 RIVET NUT 22 GA-10GA	2
12	21698-001	TORX PAN HEAD SCREW #10	4

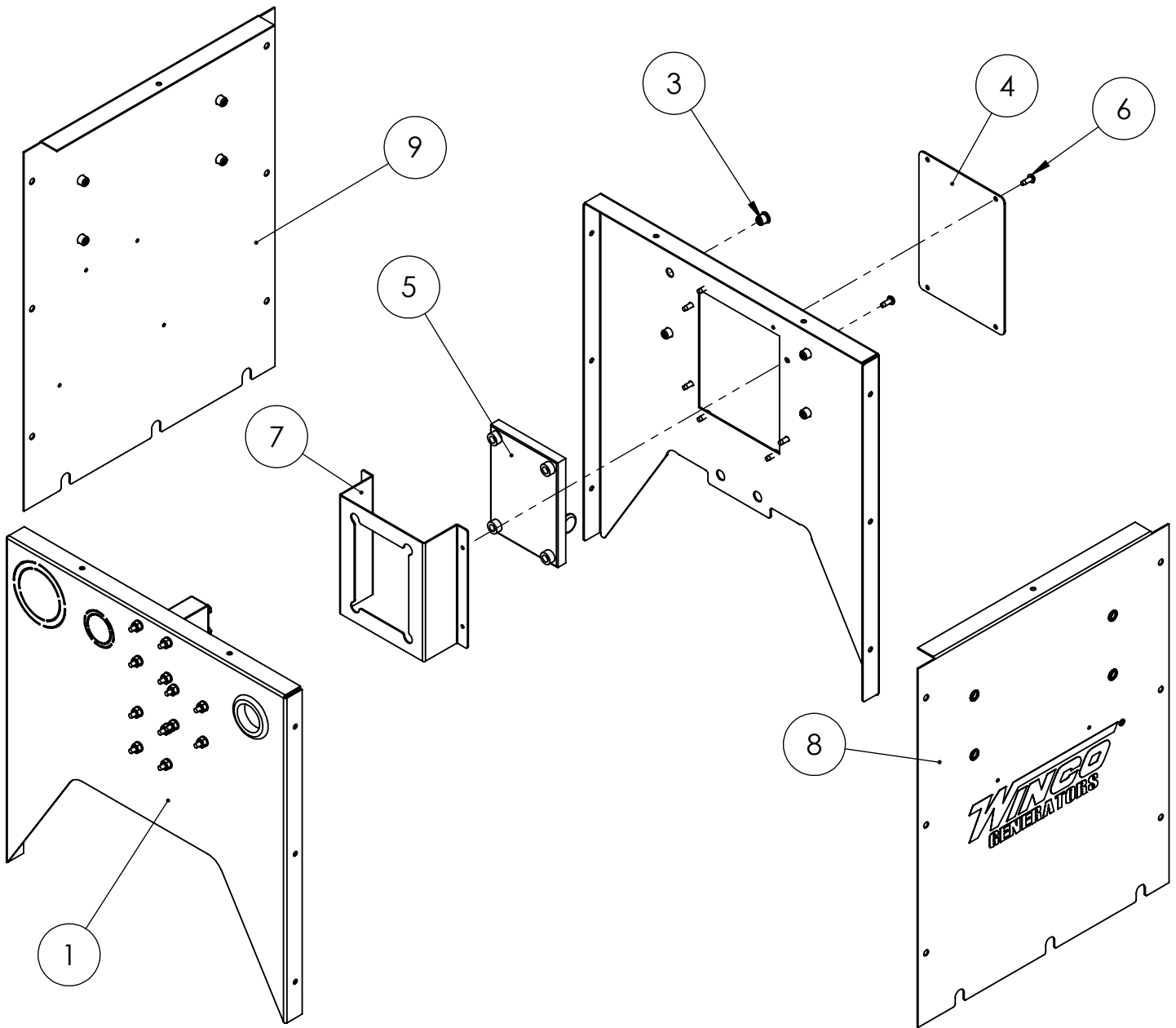
Controls Continued



Controls Continued

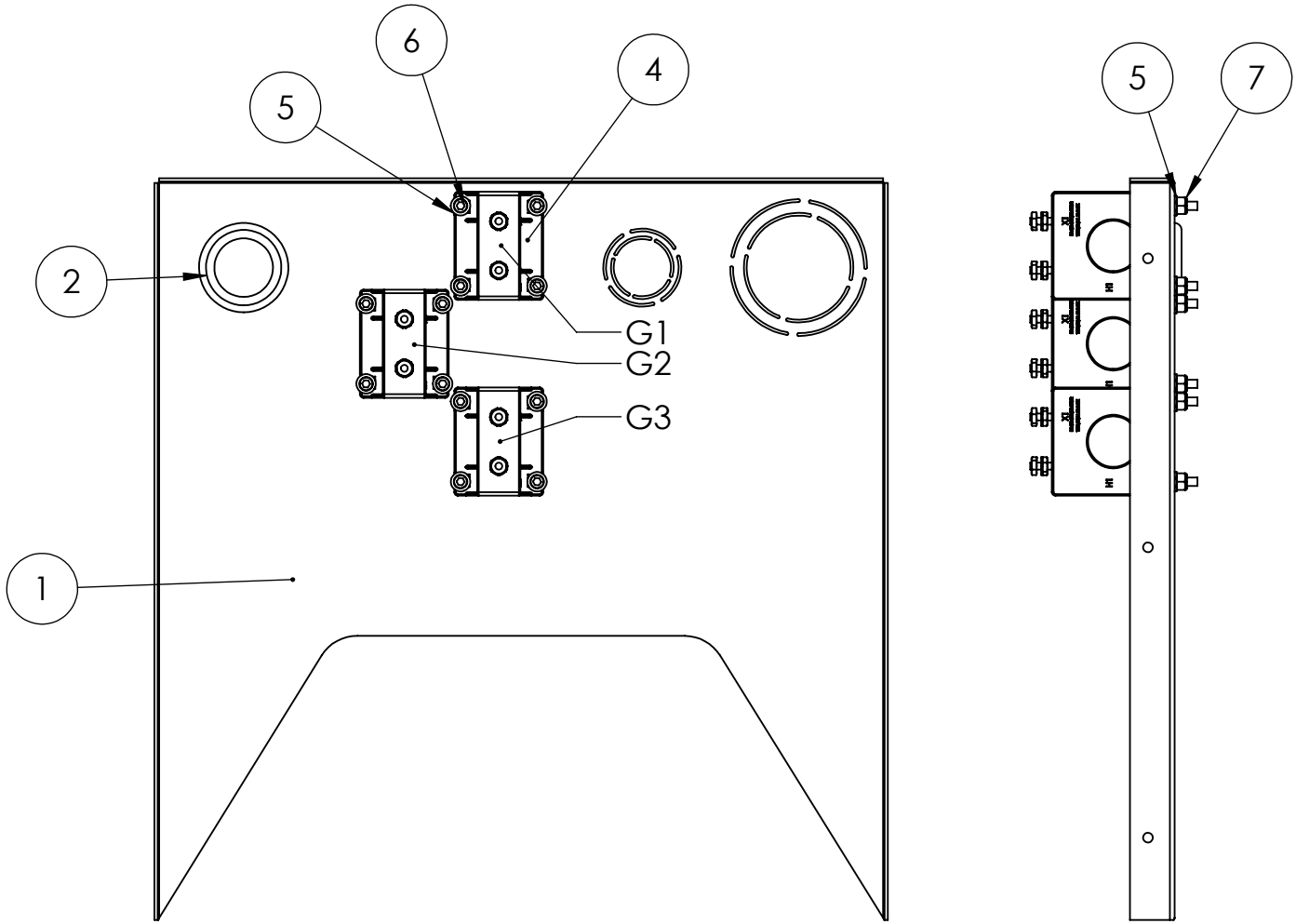
ITEM NO.	PART NUMBER	DESCRIPTION	
1	351112-29	DEEP SEA ELECTRONICS 7310 MKII	1
2	351900-42	DIN RAIL MOUNTING PLATE	1
3	351900-44	COVER SUPPORT BRACKET	1
4	351900-45	DSE8610 CONTROL BOX BOTTOM	1
5	351900-47	DSE 7310 MKII FRONT PANEL	1
6	94980-003	THREAD STUD .25-20 X .750	2
7	96286-001	1/4" NYLON WASHER	4
8	21698-001	TORX PAN HEAD SCREW #10	21
9	64089-000	SPST, ROCKER SWITCH	2
10	48602-003	TERMINAL FEMALE 16-14 AWG .250 TAB	2
11	61898-000	TERMINAL FLAG 16/14AWG .250	2
12	23917-002	GROMMET, .375ID X 1	2
13	351900-51	PLUG MOUNTING PLATE	1
14	352017-001	WIRE DUCT, 8.5IN	2
15	64551-005	DIN RAIL 9.5"	1
16	80623-009	TERMINAL BLOCK, DIN MOUNTED, SPRING CAGE	12
17	80623-010	END BLOCK, DIN MOUNTED	3
18	80623-011	2-POLE TERMINAL BLOCK JUMPER	2
19	91683-000	1/4 TURN CLIP NUT	2
20	91684-000	RETAINER RING 1/4 TURN SPLIT RING	2
21	91682-001	STUD 1/4 TURN SLOTTED	2
22	24988-000	SCREW 6-32 X 1/2 BIND	4
23	425-000	#6 FLATWASHER	8
24	51802-000	NUT HEX #6-32 NYLOCK	4
25	96925-002	14 PIN CONNECTOR	1
26	96925-006	16 PIN CONNECTOR	1
27	96923-001	TERMINAL, SOCKET, 18-16AWG	10
28	96924-001	TERMINAL, PIN, 18-16AWG	16
29	2489-003	DIN RAIL FUSE HOLDER 1-1/4 X 1/4IN	5
30	598-000	#10 WASHER	6
31	16600-005	DSE MKII ADVANCE POWER LOGO INSERT	1
32	16601-007	DSE 8610 MKII LIGHT LEGEND CARD INSERT	1
33	80623-012	3-POLE TERMINAL BLOCK JUMPER	1
34	95064-008	FUSE AGC 2 AMP	3
35	95064-000	FUSE AGC 3 AMP	1
36	95064-006	FUSE AGC 10 AMP	1
37	351095-16	DECAL, FUSES AND TERMINAL BLOCKS	1
38	99783-001	SWITCH, PUSH-PULL	1
39	99783-002	SWITCH CONTACT	1
40	97517-001	RHEOSTAT	1
41	351900-36	RHEOSTAT MOUNTING BRACKET	1
42	96923-101	PLUG TERMINAL	4
43	96333-001	LOW COOLANT MODULE	1
44	638-000	HEX NUT, .25IN	2
45	479-000	LOCK WASHER, .25" SPLIT	2
46	63941-004	DECAL FUSE WARNING (ENGLISH)	1
47	351900-52	DSE CONTROL BOX TOP	1
48	351900-53	DSE PANEL STOP	1
49	11067-000	18 GA WIRE	1

Terminal Box Assembly



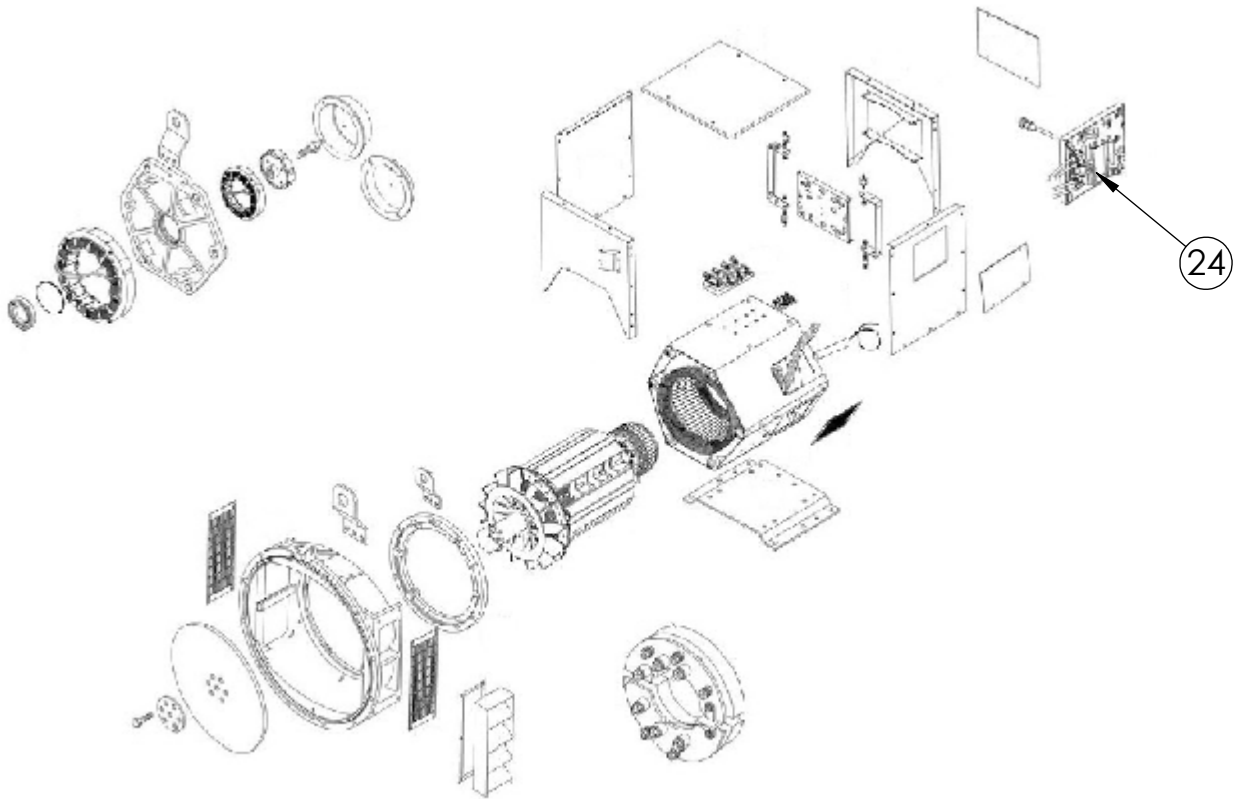
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	802050-001	GENERATOR FRONT PANEL ASSY	1
2	1000-0770	REAR GEN PANEL	1
3	352125-1	1/4-20 RIVET NUT 22 GA-10GA	4
4	1000-0428	SX460 AVR COVER	1
5	350818-1	AS440 AVR	1
6	21698-001	TORX PAN HEAD SCREW #10	8
7	1000-0427	SX460 AVR MOUNT	1
8	2000-0185	GEN LEFT SIDE PANEL ASSEMBLY	1
9	2000-0186	GEN RIGHT SIDE PANEL ASSEMBLY	1

Terminal Box CT Panel Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	802050-001	GENERATOR FRONT PANEL 224	1
2	23917-005	GROMMET 1-5/16" ID	1
3	99347-025	AC HARNESS	1
4	80126-004	CT 300:5 PANEL MOUNT	3
5	598-000	#10 WASHER	24
6	64872-000	SOC.HCS 10-24 X 3/4 BLK	12
7	5315-000	NUT HEX 10-24 NYLON	12

GENERATOR

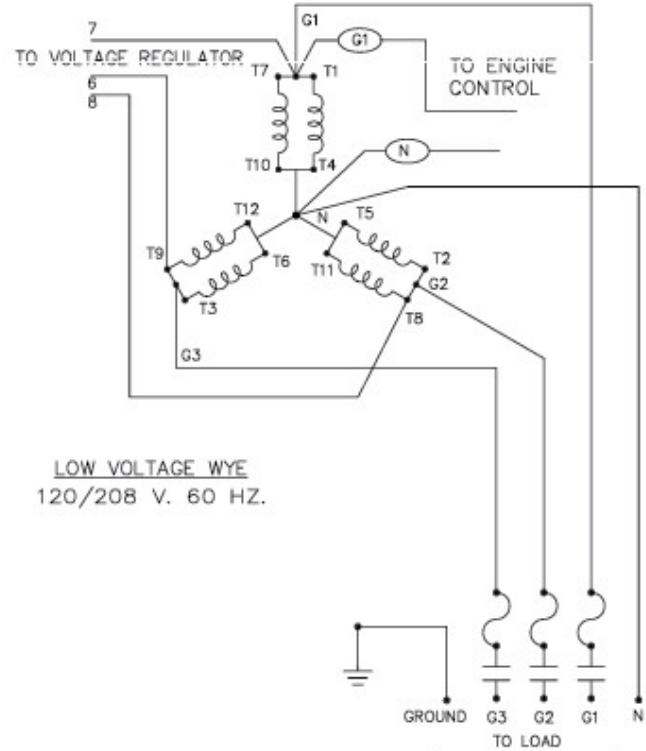
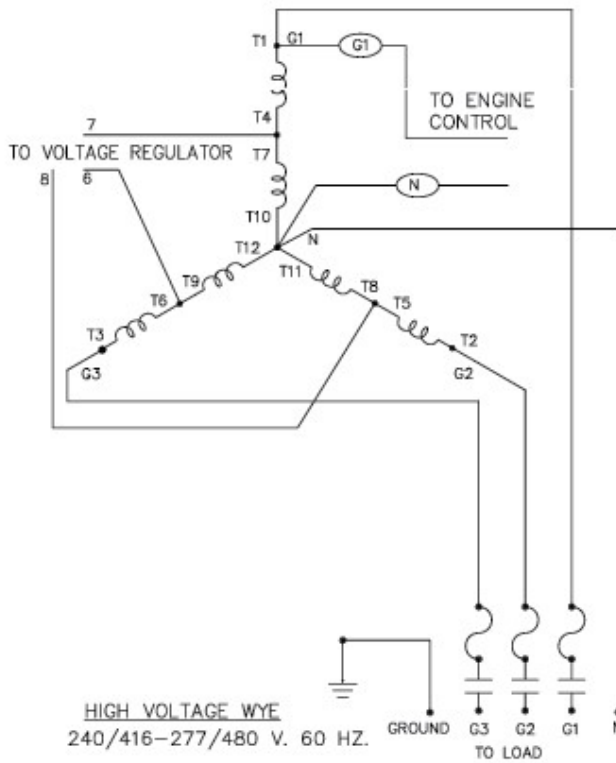


EXPECTED RESISTANCE (Ω) @ 22C	
MODEL	UCI224C 311
STATOR WINDING (PER PHASE SERIES CONNECTED)	0.181
ROTOR WINDING	0.59
EXCITER STATOR	21
EXCITER ROTOR (PER PHASE)	0.071
POSITIVE SEQUENCE (R1)	0.10
NEGATIVE SEQUENCE (R2)	0.14
ZERO SEQUENCE (R0)	0.10

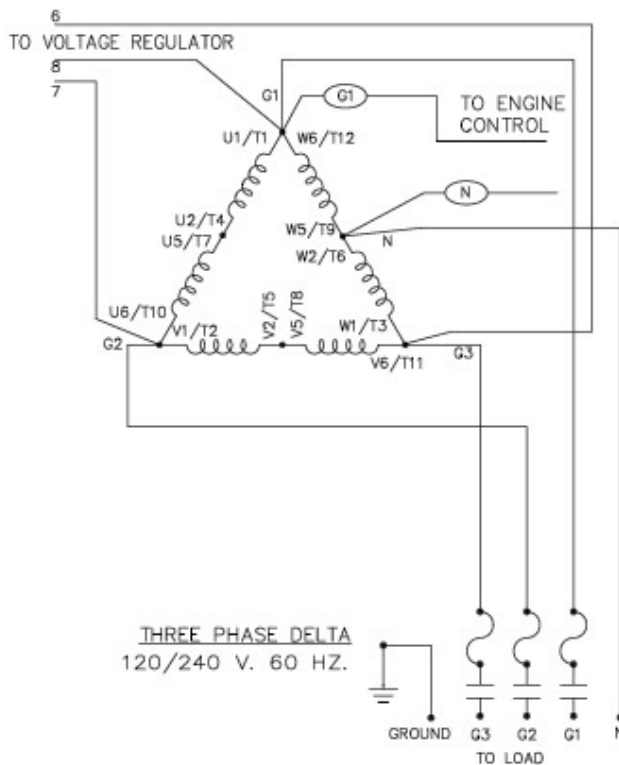
ITEM	DESCRIPTION	DE4040F4	QTY
-	COMPLETE GENERATOR END	351930-111	--
-	STAMFORD MODEL	UCI224C	--
-	WINDING	311	--
24	VOLTAGE REGULATOR AVR AS440-UL	350818-2	1
--	DIODE KIT, FWD/REV & VARISTOR	8-100	1
--	FUSE, 6.3A, 600V	350005-40	3
For additional parts support, contact WINCO service			

Generator Connections

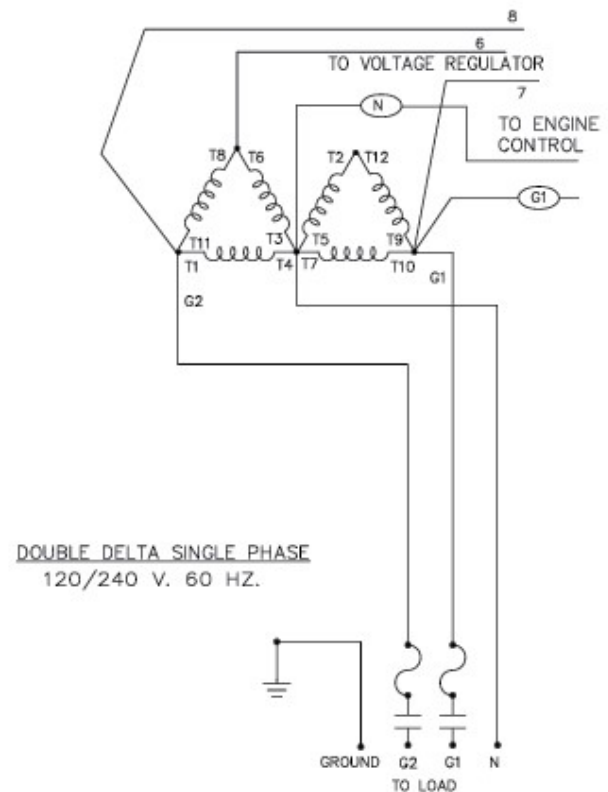
THREE PHASE AC WIRE HIGH AND LOW WYE



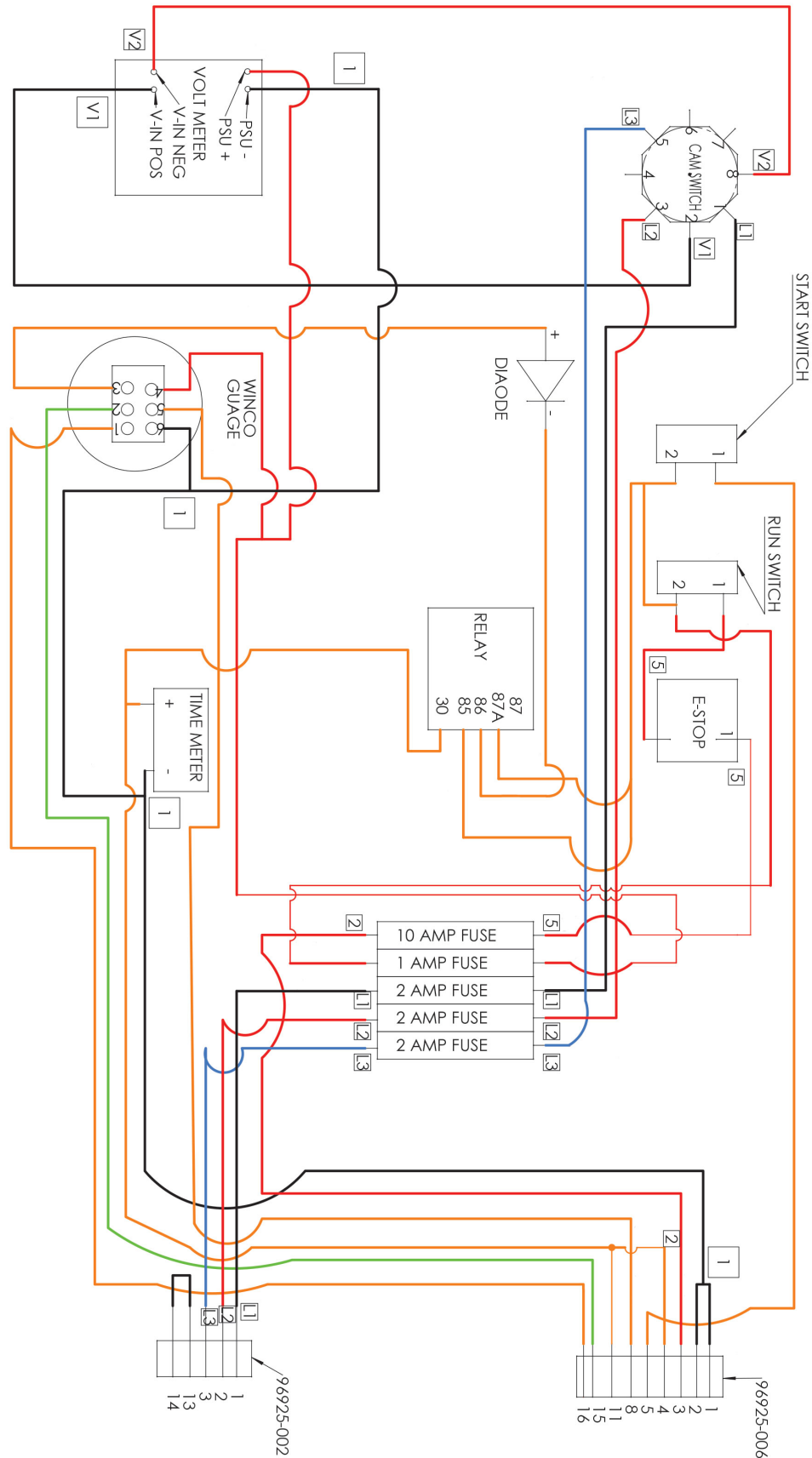
THREE PHASE AC WIRING- DELTA



SINGLE PHASE 311 WINDING

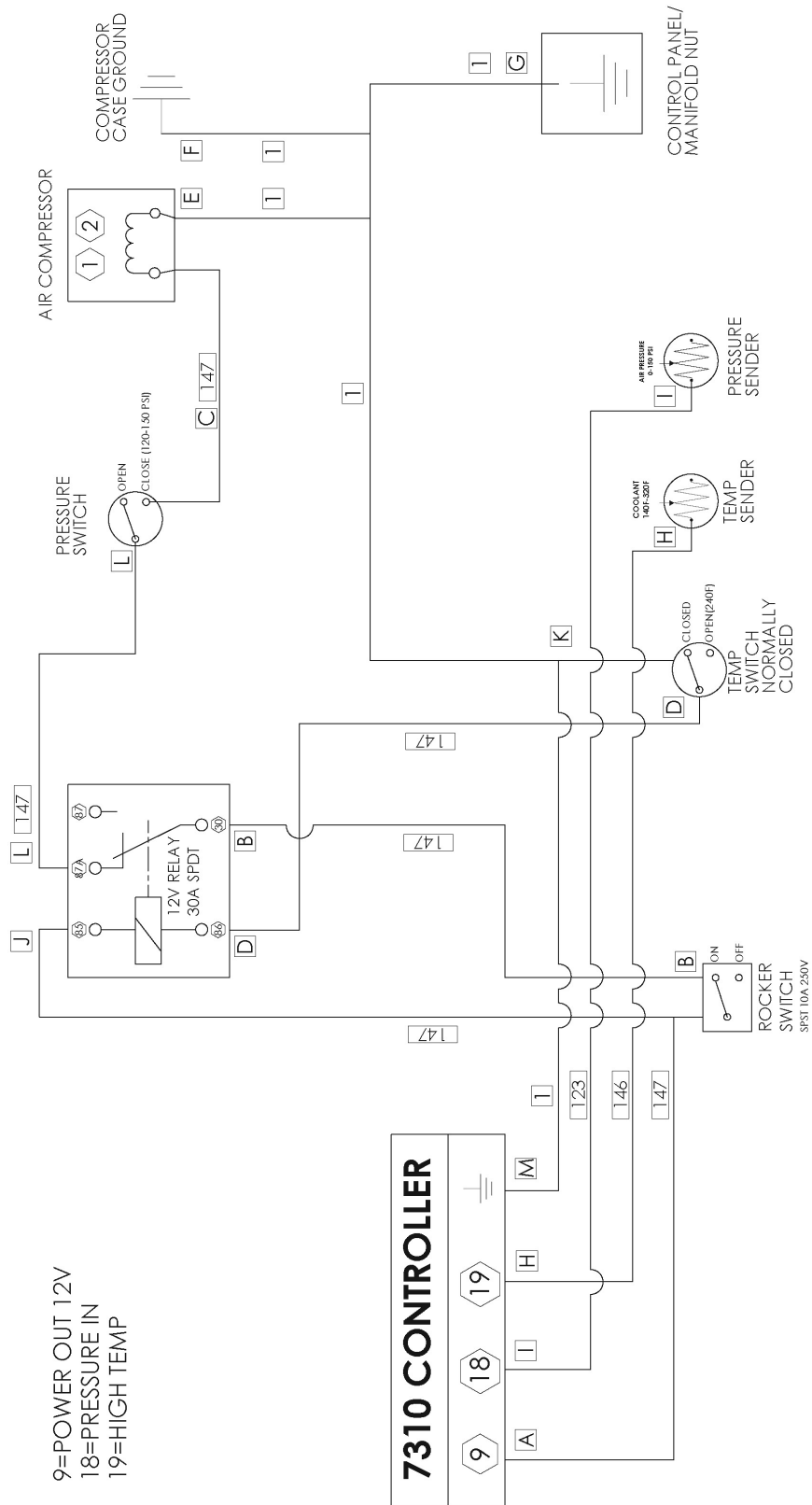


Manual Generator Control Schematic



[illegible]

Compressor Wiring Schematic



Engine Wiring Schematic

