



# Owner's Manual

Liquid-cooled, Prepackaged  
Standby Generators

Model Number: 004988-4  
27kW NG, 30kW LP Vapor



This manual should remain with the unit.

— CAUTION —

ONLY QUALIFIED ELECTRICIANS OR CONTRACTORS  
SHOULD ATTEMPT INSTALLATION!!

# INTRODUCTION

Thank you for purchasing this model of the standby generator set.

Every effort was expended to make sure that the information and instructions in this manual are both accurate and current at the time the manual was written. However, the manufacturer reserves the right to change, alter or otherwise improve this product(s) at any time without prior notice.

## ◆ READ THIS MANUAL THOROUGHLY

If any portion of this manual is not understood, contact the nearest Authorized Service Dealer for starting, operating and servicing procedures.

Throughout this publication, and on tags and decals affixed to the generator, DANGER, WARNING, CAUTION and NOTE blocks are used to alert personnel to special instructions about a particular service or operation that may be hazardous if performed incorrectly or carelessly. Observe them carefully. Their definitions are as follows:

### ▲ DANGER ▲

**After this heading, read instructions that, if not strictly complied with, will result in personal injury or property damage.**

### ▲ WARNING ▲

**After this heading, read instructions that, if not strictly complied with, may result in personal injury or property damage.**

### ▲ CAUTION ▲

**After this heading, read instructions that, if not strictly complied with, could result in damage to equipment and/or property.**

#### NOTE:

**After this heading, read explanatory statements that require special emphasis.**

These safety warnings cannot eliminate the hazards that they indicate. Common sense and strict compliance with the special instructions while performing the service are essential to preventing accidents.

Four commonly used safety symbols accompany the DANGER, WARNING and CAUTION blocks. The type of information each indicates is as follows:

⚠ This symbol points out important safety information that, if not followed, could endanger personal safety and/or property of others.

⚠ This symbol points out potential explosion hazard.

⚠ This symbol points out potential fire hazard.

⚠ This symbol points out potential electrical shock hazard.

The operator is responsible for proper and safe use of the equipment. The manufacturer strongly recommends that the operator read this Owner's Manual and thoroughly understand all instructions before using this equipment. The manufacturer also strongly recommends instructing other users to properly start and operate the unit. This prepares them if they need to operate the equipment in an emergency.

## ◆ OPERATION AND MAINTENANCE

It is the operator's responsibility to perform all safety checks, to make sure that all maintenance for safe operation is performed promptly, and to have the equipment checked periodically by an Authorized Service Dealer. Normal maintenance service and replacement of parts are the responsibility of the owner/operator and, as such, are not considered defects in materials or workmanship within the terms of the warranty. Individual operating habits and usage contribute to the need for maintenance service.

Proper maintenance and care of the generator ensures a minimum number of problems and keep operating expenses at a minimum. See the Authorized Service Dealer for service aids and accessories.

Operating instructions presented in this manual assume that the standby electric system has been installed by an Authorized Service Dealer or other competent, qualified contractor. Installation of this equipment is not a "do-it-yourself" project.

## ◆ HOW TO OBTAIN SERVICE

When the generator requires servicing or repairs, contact an Authorized Service Dealer for assistance. Service technicians are factory-trained and are capable of handling all service needs.

When contacting an Authorized Service Dealer about parts and service, always supply the complete model number of the unit as given on the front cover of this manual or on the DATA LABEL affixed to the unit.

## AUTHORIZED SERVICE DEALER LOCATION

To locate the nearest AUTHORIZED SERVICE DEALER, please call this number:

**1-800-333-1322**

**OR**

Locate us on the web at:

**www.generac.com**

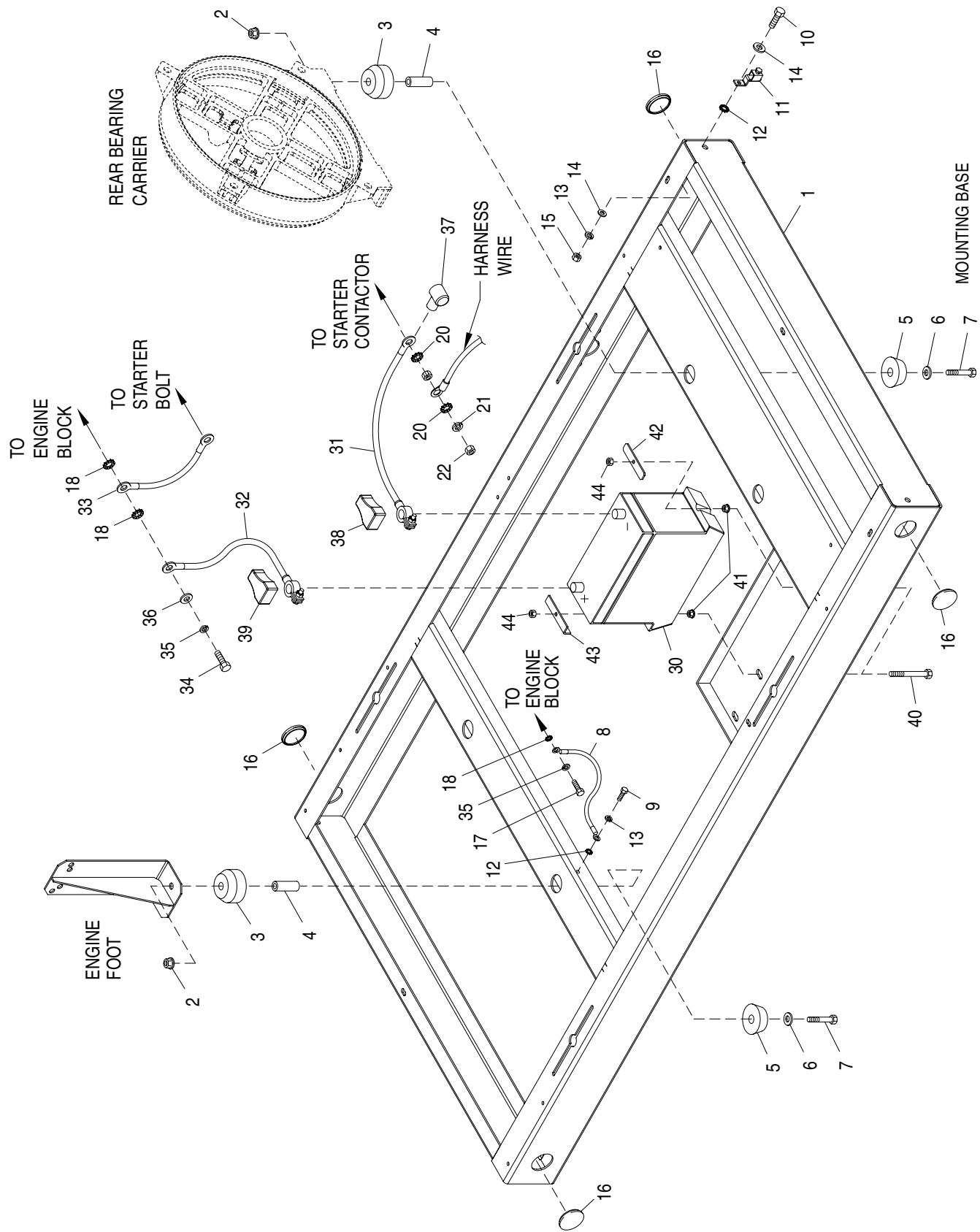
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Section 9 - Exploded Views and Parts  
Liquid-cooled 30 kW Generators  
Mounting Base – Drawing No. 0E6266-F



**Section 9 - Exploded Views and Parts**

**Liquid-cooled 30 kW Generators  
Mounting Base — Drawing No. 0E6266-F**



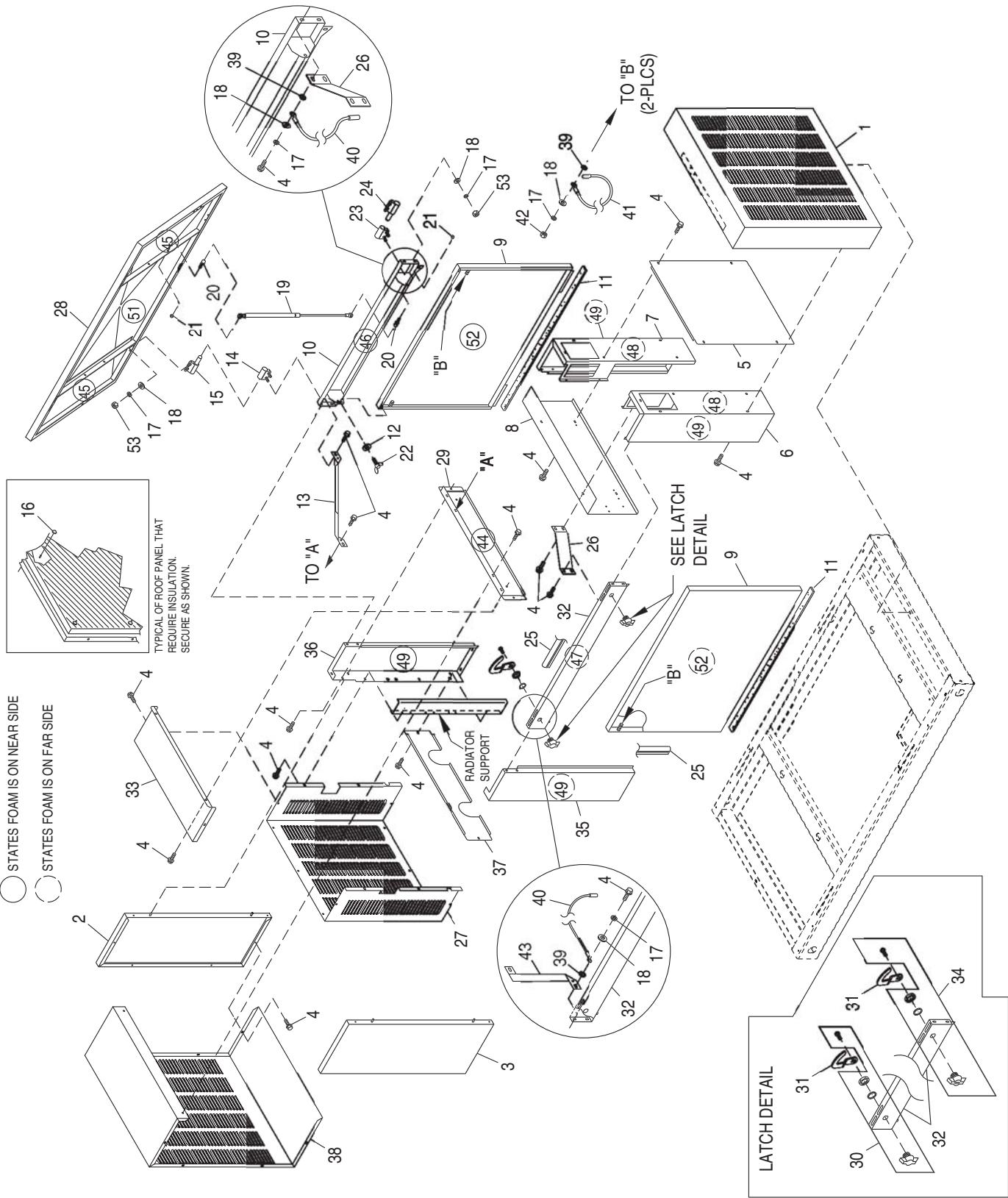
<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
1	0E5822	1	BASEFRAME, WELDMENT 3.0L FORD
2	052860	4	NUT FLANGED HEX M12-1.75
3	052251	4	DAMPENER VIBRATION 40 BLUE
4	052257	4	SPACER .49 X .62 X 1.87 PWDR/ZINC
5	052252	4	DAMPENER VIBRATION
6	052259	4	WASHER FLAT M12
7	052891	4	SCREW HHC M12-1.75 X 80 G8.8
8	0536210213	1	ASSY GRNDWIRE 11"/3/8 & 5/16 LUG
9	074906	1	SCREW HTT M6-1.0 X 20 BP
10	047411	1	SCREW HHC M6-1.0 X 16 BP
11	055414	1	LUG SLDLSS #2-#8 X 17/64 CU
12	026850	2	WASHER SHAKEPROOF EXT 1/4 STL
13	022097	1	WASHER LOCK M6-1/4
14	022473	2	WASHER FLAT M6-1/4 ZINC
15	049813	1	NUT HEX M6 -1.0 G8 YEL CHR
16	0A1694	4	1-1/2" BUTTON PLUG
17	052213	1	SCREW HHC M10-1.25 X 20 G8.8
18	025507	3	WASHER SHAKEPROOF EXT 7/16 STL
20	027482	2	WASHER SHAKEPROOF EXT 5/16 STL
21	022129	1	WASHER LOCK M8-5/16
22	045771	1	NUT HEX M8-1.25 G8 YEL CHR
23 *	051756	1	SCREW HHC M10-1.5 X 20 G8.8
24 *	046526	1	WASHER LOCK M10
25 *	022131	1	WASHER FLAT 3/8-M10 ZINC
26 *	055934M	1	CLAMP VINYL .75 X .343 Z
30	077483	REF.	BATT 12VDC 75-AH 26
	058665	REF.	BATT 12VDC 90-AH 27F
31	038804D	1	CABLE BATT RED #4 X 20.00
32	038805AA	1	CABLE BATT BLK #4 X 30"
33	021991	1	EARTH STRAP
34	049814	1	SCREW HHC M10-1.5 X 25 G8.8
35	046526	2	WASHER LOCK M10
36	022131	1	WASHER FLAT 3/8 ZINC
37	075763	1	BOOT BATTERY CABLE
38	050331	1	BATTERY POST COVER BACK -
39	050331A	1	BATTERY POST COVER RED +
40	0A4010	2	SCREW HHC M8-1.25 X 60 G8.8 FT
41	052858	2	NUT TOP LOCK FL M8-1.25
42	061902	1	HOLD DOWN BATTERY
43	059473	1	HOLD DOWN BATTERY
44	049820	2	NUT HEX LOCK M8-1.25 NY INS

\* NOT SHOWN-USED TO HOLD DOWN I/N 32



## Section 9 - Exploded Views and Parts

Liquid-cooled 30 kW Generators  
Enclosure — Drawing No. OF1142-B



## Section 9 - Exploded Views and Parts

Liquid-cooled 30 kW Generators  
Enclosure — Drawing No. 0F1142-B



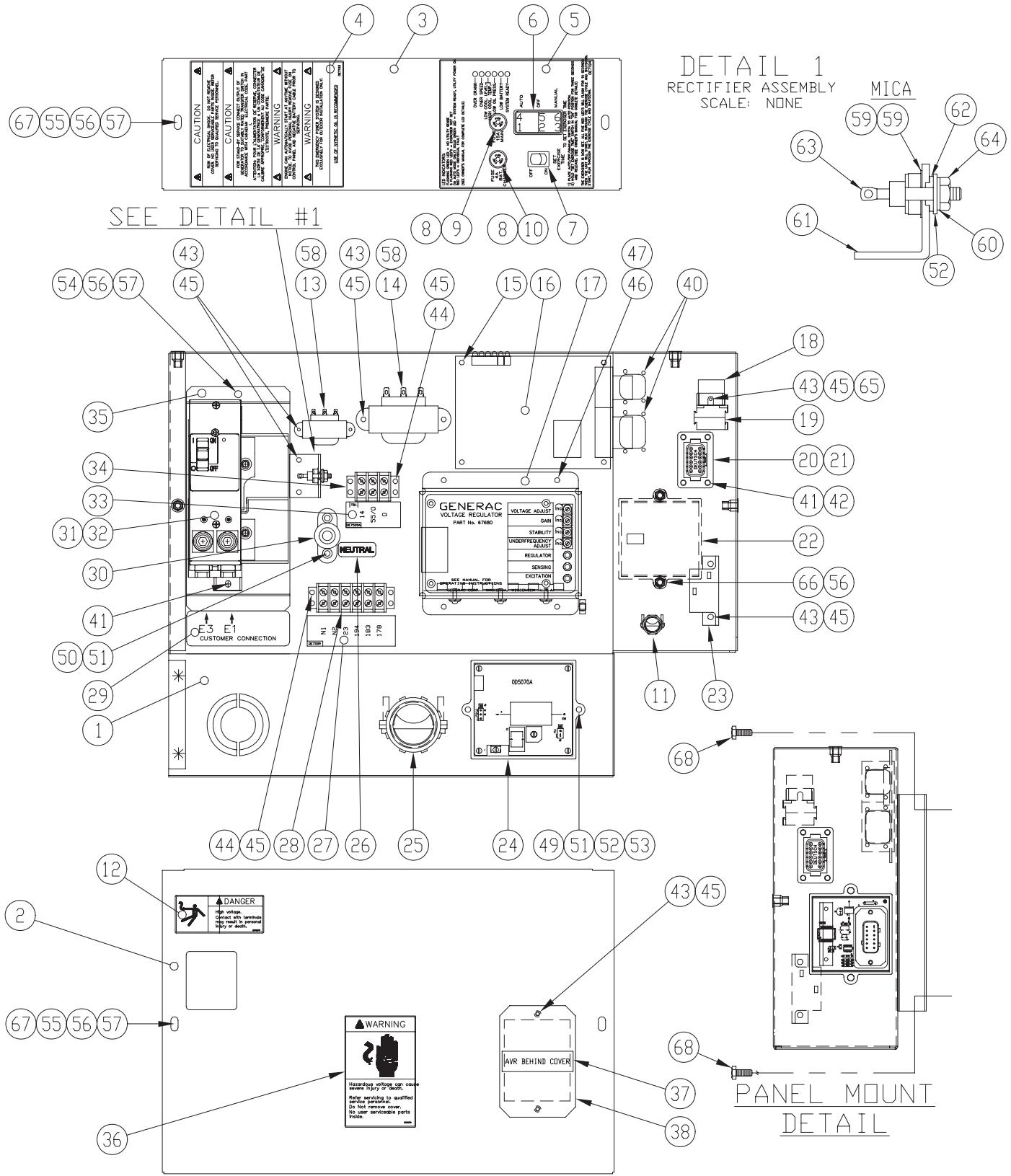
ITEM	PART NO.	QTY.	DESCRIPTION
1	0E8411	1	INTAKE DUCT HSB
2	0E8042	1	DUCT DISCHARGE RH FRONT
3	0E8041	1	DUCT DISCHARGE LH FRONT
4	0C2454	62	SCREW TH-FRM M6-1 X 16 N WA ZJS
5	0E8402	1	BAFFLE REAR BOTTOM
6	0E7808	1	POST CORNER LH REAR
7	0E7809	1	POST CORNER RH REAR
8	0E8387	1	BAFFLE REAR TOP
9	0E6986	2	DOOR COMPARTMENT SIDE
10	0F5552	1	SUPPORT R/H SIDE
11	089961	2	FOAM STRIP 3/4" WIDE X 3/16" THK (40" LG)
12	0A2115	4	WASHER NYLON .257
13	0E8404	1	BRACKET STIFFENER RH FRONT
14	0D2538A	1	HINGE LIFT OFF TYPE B KNUCKLE
15	0D2538	1	HINGE LIFT OFF TYPE B PIN
16	078115	8	WASHER SELF LOCKING DOME
17	022097	12	WASHER LOCK M6-1/4
18	022473	12	WASHER FLAT 1/4-M6 ZINC
19	0E7570	2	GAS SPRING
20	0E7571	4	BALL STUD GAS SPRING MOUNT
21	070015	4	NUT HEX 5/16-18 LOCK
22	0E7662	4	SCREW WING M6-1.00 X 25
23	0D2537A	1	HINGE LIFT OFF TYPE A KNUCKLE
24	0D2537	1	HINGE LIFT OFF TYPE A PIN
25	0D2023	3	GASKET CLIP-ON SELF GRIPPING (84" LG)
26	0E7869	2	BRACKET STIFFENING BACK
27	0E8001	1	MUFFLER BOX
28	0F5551	1	ROOF, W/SHOCK MOUNT
29	0E8406	1	BRACE FRONT TOP
30	0D3037A	1	LATCH 1/4 TURN NONLOCKING
31	0C7781	2	PAWL DOOR HSB
32	0E7794	1	SUPPORT LH SIDE
33	0E8052	1	MUFFLER BOX TOP
34	0D3037	1	LATCH QUARTER TURN LOCKING
35	0E8007	1	POST CORNER LH FRONT
36	0E8008	1	POST CORNER RH FRONT
37	0F1130	1	BRACE, FRONT BOT 3.0L FD STEEL
38	0E8055	1	DUCT DISCHARGE MID FRONT
39	026850	4	WASHER SHAKEPROOF EXT 1/4 STL
40	0912970063	2	ASSY WIRE 14AWG 7.5 #0 GRN/YEL
41	0912970064	2	ASSY WIRE 14AWG 7.5 #0 GRN/YEL
42	049813	2	NUT HEX M6 X 1.0 G8 YEL CHR
43	0E8665	1	BRACKET STIFFENER LH FRONT
44	0E7829U	2	AI BRACE PANEL
45	0E7829N	2	AI ROOF PANEL 2
46	0E7829T	1	AI SUPPORT RH PANEL
47	0E7829S	1	AI SUPPORT LH PANEL
48	0E7829R	2	AI CORNER POST PANEL 2
49	0E7829P	4	AI CORNER POST PANEL 1
50 *	0E8441	1	KIT INSULATION 3.0L HSB
51	0E7829A	1	AI ROOF PANEL 1
52	0E7829B	2	AI DOOR PANEL
53	043116	8	SCREW HHC M6-1.0 X 12 G8.8

\* ALL ITEMS NOTATED WITH "AI" ARE COMPONENTS OF 0E8441



## Section 9 - Exploded Views and Parts

### Liquid-cooled 30 kW Generators Control Panel — Drawing No. 0E7118-K



**Section 9 - Exploded Views and Parts**

**Liquid-cooled 30 kW Generators  
Control Panel — Drawing No. 0E7118-K**



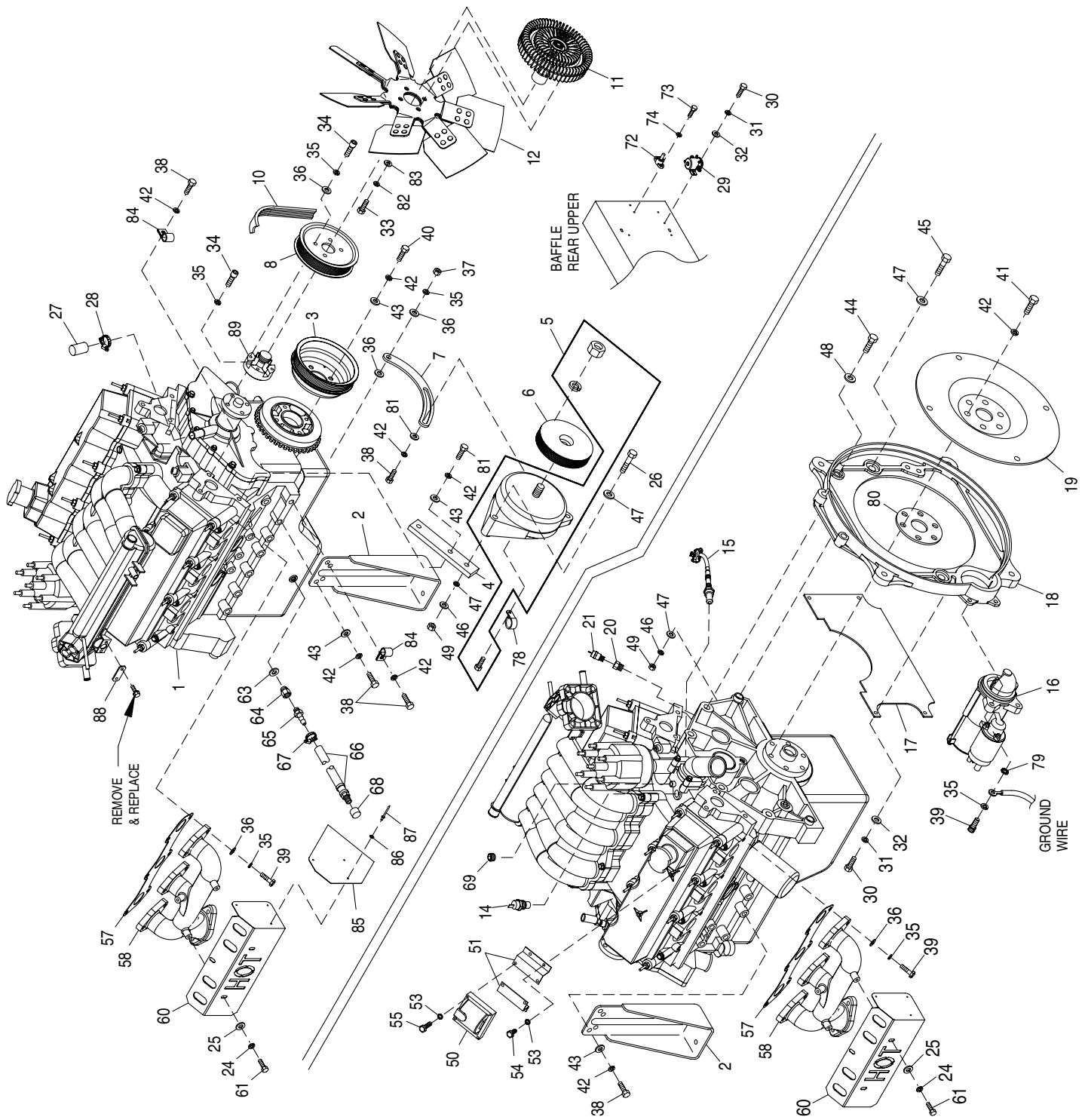
<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>	<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
1	0E7195	1	CONTROL BOX HSB	37	0C1127	1	DECAL AVR COVER
2	0E7196	1	COVER FRONT PANEL HSB	38	0A1441B	1	COVER PLATE, AVR
3	0E7197	1	COVER TOP PANEL HSB	39	0E7128	1	HARNESS CNTRL PNL (NOT SHOWN)
4	0E7193	1	DECAL WARNINGS HSB	40	0E7358	8	SCREW PPPH HI-LO #4-24 X 3/8
5	0E7194	1	DECAL CONTROLS HSB	41	074908	6	SCREW HHTT M5-0.8 X 10 BP
6	0E4494	1	SWITCH ROC DPDT ON-OFF-ON	42	0C5141	1	CONN DEUTSCH GASKET 8/12 POS DT
7	082573	1	SWITCH ROCKER DPST 125V SPD	43	0C2699	11	SCREW PHTT #6-32 X 3/8 ZYC
8	032300	2	HOLDER FUSE	44	0C2323	4	SCREW PHTT #6-32 X 5/8 ZYC
9	022676	1	FUSE 15A X AGC15	45	022155	15	WASHER LOCK #6
10	067682B	1	FUSE 4A SLO BLO GLASS	46	0C2265	4	SCREW PHTT M4-0.7 X 12 ZYC
11	060015	1	FITTING CONDUIT 90D 3/8"	47	022264	4	WASHER LOCK #8-M4
12	054199	1	DECAL DANGER HIGH VOLTAGE	49	020911	2	SCREW PPHM M5-0.8 X 30 ZINC
13	0C2657	1	TRANSFRMR 16V 6VA	50	066849	2	SCREW HHTT M5-0.8 X 16
14	099076	1	TRANSFORMER 16V 56VA	51	022152	4	WASHER LOCK #10
15	040213	2	PCB SUPPORT SNAP-IN 1/4"	52	023897	3	WASHER FLAT #10 ZINC
16	0E9668	1	ASSY PCB HSB CONTROLLER	53	051716	2	NUT HEX M5-0.8 G8 YEL CHR
17	067680	1	ASSY VOLTAGE REGULATOR 60HZ	54	090388	2	SCREW HHTT M6-1.0 X 12 ZINC
18	0E6875A	1	RELAY 12VDC C FORM W/DIODE	55	042568	4	SCREW HHC M6-1.0 X 20 G8.8
19	0E6881 *	REF.	SOCKET RELAY	56	022097	8	WASHER LOCK M6-1/4
20	0C5139 *	REF.	CONN DEUTSCH RECEPT GY/FLN	57	022473	6	WASHER FLAT 1/4-M6 ZINC
21	0C5142 *	REF.	CONN DEUTSCH RECEPT WDGE	58	0441140187	2	WIRE ASSY 3" X (2) 3/16" TABS
			BLKHD	59	070370	2	WASHER MICA .203
22	0E3161	1	ASSY BOSCH GOV DRIVER	60	023762	1	WASHER SHAKEPROOF EXT #10 STL
23	054450	1	CIRCT BRK 5.5 X 1 ETA 46-500-P	61	055444	1	HEATSINK
24	0D5070A	1	ASSY 2A 12V UL BATTERY CHARGER	62	030468	1	WASHER STEP NYLON .20
25	0E2514	1	FITTING CONDUIT STR 1-1/2"	63	049939	1	RECTIFIER MSC 12A 600V 1N1206R
26	0A9457	1	DECAL NEUTRAL	64	022158	1	NUT HEX #10-32 STEEL
27	0E7539	1	DECAL CUSTOMER CNNCTN XFER SW	65	022985	1	WASHER FLAT #6 ZINC
28	046357 *	REF.	BLOCK TERM 20A 6 X 6 X 1100V	66	038750	2	SCREW HHC M6-1.0 X 30 G8.8
29	0D3719B	1	DECAL CUSTOMER CNNCTN	67	0A2115	4	WASHER NYLON .257
30	057073	1	JUNCTION BLOCK 3/8-16	68	0C2454	4	SCREW THF M6-1 X 16 N WA ZJS
31	0E7283	1	CB 0150A2P240V S QN2 LL	69	0F6146	1	HANG TAG 2 WIRE START (NOT SHOWN)
	0E3628	1	CB 0200A2P240V S QN2 LL				
32	0E3664	1	BASE QN CIRCUIT BREAKER				
33	0E7539A	1	DECAL TB1 HSB CONTROL PANEL				
34	0D4698 *	REF.	BLOCK TERM 20A 6 X 3 X 1100V				
35	0E7252	1	BRACKET CB 221.5 X 102				
36	0C1229	1	DECAL WARNING ELECTRICAL SHOCK				

\* ITEMS INCLUDED AS PART OF I/N 39



## Section 9 - Exploded Views and Parts

Liquid-cooled 30 kW Generators  
Engine — Drawing No. 0F6836-B



**Section 9 - Exploded Views and Parts**

**Liquid-cooled 30 kW Generators  
Engine — Drawing No. 0F6836-B**



ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION
1	0E6201	1	ENGINE 3.0L FORD (FD) (MAKE)	47	049808	4	WASHER FLAT M12
2	0E8824	2	STAMPING ENG FOOT 3.0L FORD	48	051430	4	WASHER SHAKEPROOF INT 1/2
3	0E8963	1	PULLEY CRANKSHAFT 3.0L FORD	49	045773	3	NUT HEX M12-1.75 G8 YEL CHR
			RD	50	0E6203C	1	COIL IGNITION 3.0L FORD
4	0E9020	1	BRACKET DC ALT 3.0L FORD	51	0E6679	2	BRACKET IGN COIL 3.0L FORD
5	0A1232	1	D.C. ALTERNATOR ASSY	53	049226	7	WASHER LOCK M5
6	0A7801B	1	PULLEY POLY-V 82 OD.	54	091526	3	SCREW PPHM M5-0.8 X 12 ZNC
7	0A5610	1	BRACKET ALTERNATOR	55	093278	4	SCREW HHTT M5-0.8 X 25 BP
8	0E6308	1	PULLEY WATERPUMP 3.0L FORD	56	0F7000	1	HARN ENGINE 3.0L FORD HSB CAR (RD)
9 **	0E7804	1	HARN IGNITION 3.0L FORD (NOT SHOWN)	57	0E7163	2	GASKET EXHAUST 3.0L FORD
10	0D3488F	1	BELT SERPENTINE 38.35	58	0E5527	2	MANIFOLD EXHAUST 3.0L FORD
11	0E7996	1	CLUTCH COOLING FAN FORD	60	0E7202	2	HEAT SHIELD 260 X 80 HOT
12	0E8006	1	FAN 18" 7 BLADE STEEL ECS	61	085296	6	SCREW HHC 1/4-20 X 1/2 SS
14	0A6751	1	SWITCH HI-TEMP 245D X 3/8NPT	62	0E6203D	1	WIRE SET 3.0L FORD (NOT SHOWN)
15	0E0561	1	ASSY WATER LEVEL SENSOR C/E	63	057772	1	WASHER NYLON .565
			PL	64	057765	1	ADAPTER M14-1.50 X 3/8 NPT
	077043H	1	CONDUIT FLEX .25"ID (6"LG) (NOT SHOWN)	65	055596	1	BARBED STR 3/8NPT X 3/8
16	0E6729	1	STARTER DELCO-REMY 12V	66	069860C	1	HOSE OIL DRAIN ASSY 21"
17	0E6703	1	COVER FLYWHEEL ACCESS 3.0L	67	057822	2	CLAMP HOSE #8 .53-1.00
			HSB	68	069811	1	CAP HEX 1/4 NPT BRASS
18	0E6667	1	ENGINE ADAPTER 3L FORD	69	061012	1	PLUG STD PIPE 1/8 SOCKET HEAD
19	0E5048	1	FLEXPLATE 3.0L FORD	70 *	065852	1	SPRING CLIP HOLDER .37-.62
20	035579	1	BUSHING REDUCER 1/4 TO 1/8	71 *	0A2111	1	SCREW SWAGE 10-32 X 5/16 Z/YC
21	0A8584	1	SWITCH OIL PRESSURE 10PSI	72	057073	1	JUNCTION BLOCK 3/8-16
			2POL	73	066849	2	SCREW HHTT M5-0.8 X 16
24	083896	6	WASHER LOCK 1/4-M6 SS	74	022152	2	WASHER LOCK #10
25	084929	6	WASHER FLAT 1/4 SS	75	0E7880	2	CLIP SPARK PLUG 3P
26	055597	1	SCREW HHC M12-1.75 X 85 G8.8	76	0E7880A	4	SCREWMOUNT (NOT SHOWN)
27	0F6151	1	CAP RUBBER				CLIP SPARK PLUG 2P
28	057823	1	CLAMP HOSE #10 .56-1.06	77	0E7880B	1	SCREWMOUNT (NOT SHOWN)
29	056739	1	RELAY SOLENOID 12VDC PNL MNT				CLIP SPARK PLUG 3P FREEHANG
30	047411	6	SCREW HHC M6-1.0 X 16 G8.8	78	055934C	1	(NOT SHOWN)
31	022097	6	WASHER LOCK M6-1/4	79	027482	1	CLAMP VINYL .5 X .406 Z
32	022473	6	WASHER FLAT 1/4-M6 ZINC				WASHER SHAKEPROOF EXT 5/16
33	047411	4	SCREW HHC M6-1.0 X 16 G8.8	80	0E8940	1	STL
34	040976	8	SCREW SHC M8-1.25 X 20 G12.9	81	0A7387	2	SPACER FLEXPLATE HSB
35	022129	28	WASHER LOCK M8-5/16	82	022097	4	SCREW HHC M10-1.5 X 40 G10.9
36	022145	22	WASHER FLAT 5/16-M8 ZINC	83	022473	4	WASHER LOCK M6-1/4
37	045771	1	NUT HEX M8-1.25 G8 YEL CHR	84	055934H	2	WASHER FLAT 1/4-M6 ZINC
38	049814	6	SCREW HHC M10-1.5 X 25 G8.8	85	0F5966	1	CLAMP VINYL .62 X .406 Z
39	049821	16	SCREW SHC M8-1.25 X 30 G12.9	86	022985	3	REFLECTIVE HEAT SHIELD 3.0L FD
40	059980	4	SCREW HHC M10-1.5 X 25 G10.9	87	036261	3	WASHER FLAT #6 ZINC
41	0D5417	REF.	SCREW HHC M10-1.0 X 25 G10.9	88	0F6658	1	RIVET POP .125 X .275 SS
42	046526	18	WASHER LOCK M10	89	0F6809	1	COVER EGR
43	022131	11	WASHER FLAT 3/8-M10 ZINC				ADAPTER, WATER PUMP
44	059982	4	SCREW SHC M12-1.75 X 45 G10.9				
45	098780	2	SCREW HHC M12-1.75 X 65 G8.8				
46	051769	3	WASHER LOCK M12				

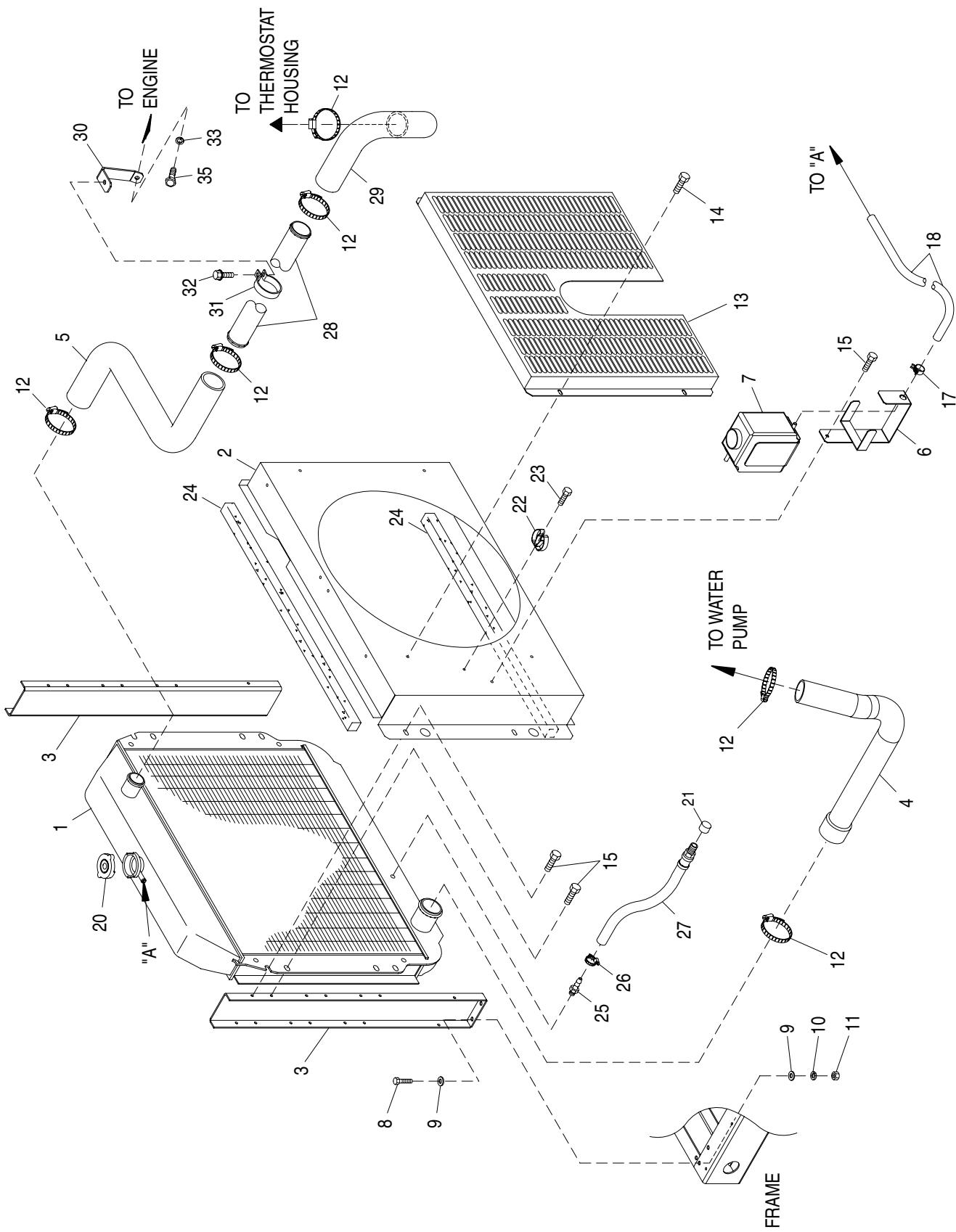
\* NOT SHOWN-USED TO HOLD OIL DRAIN ASSEMBLY.

\*\* NOT SHOWN



## Section 9 - Exploded Views and Parts

Liquid-cooled 30 kW Generators  
Radiator — Drawing No. 0F6848-B



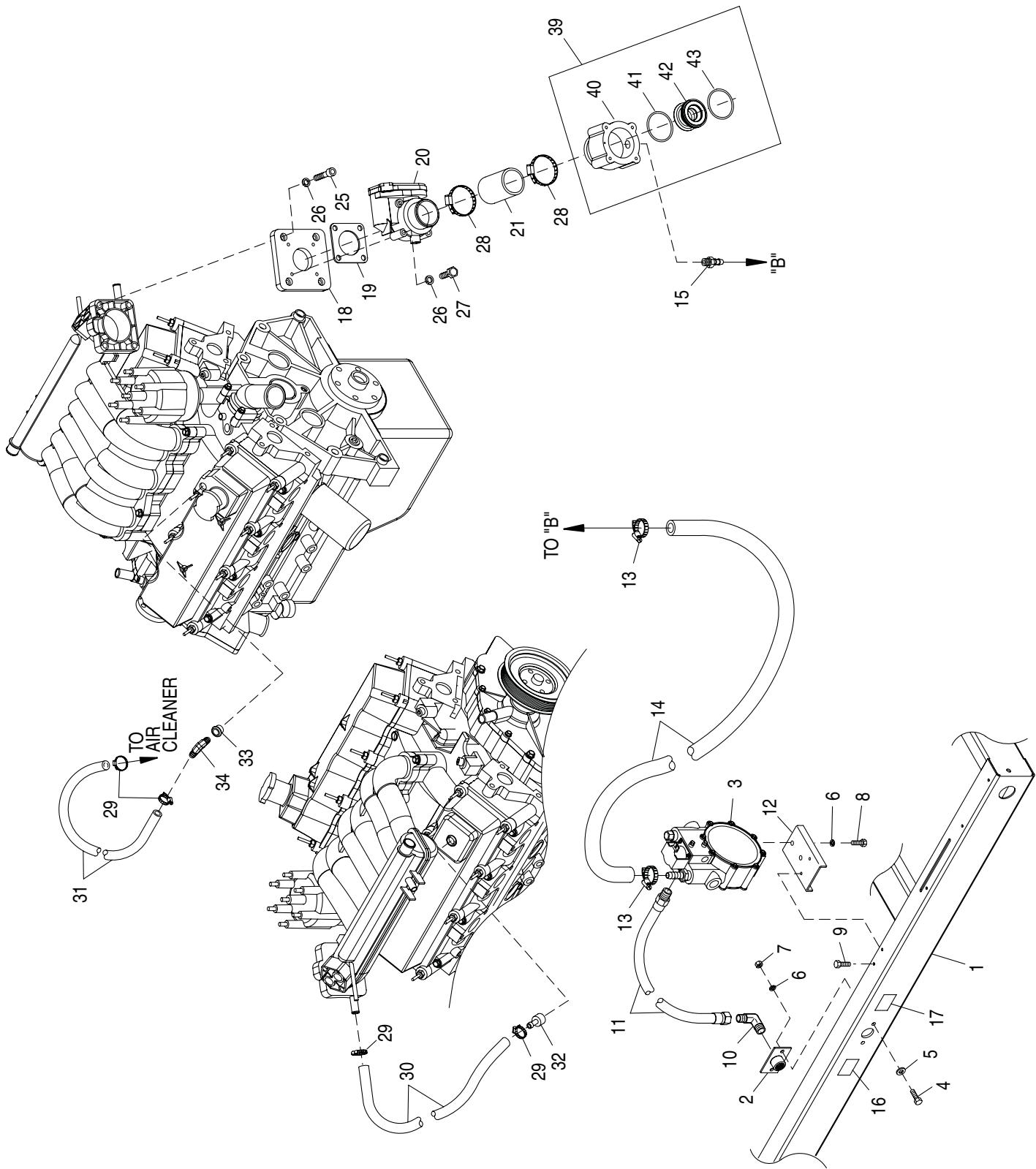
**Section 9 - Exploded Views and Parts****Liquid-cooled 30 kW Generators  
Radiator — Drawing No. OF6848-B**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
1	0E9947	1	RADIATOR R-IN,L-OUT 658X489X49
2	0E6340	1	VENTURI 3.0L FORD HSB
3	0E8531	2	SIDE SUPPORT RADIATOR HSB
4	0E6398	1	TUBE LOWER RAD 3.0L FORD HSB
5	0F6630	1	HOSE RADIATOR UPPER
6	080713	1	BRACKET COOLANT TANK
7	076749	1	TANK COOLANT RECOVERY
8	049814	4	SCREW HHC M10-1.5 X 25 G8.8
9	022131	8	WASHER FLAT 3/8-M10 ZINC
10	046526	4	WASHER LOCK M10
11	045772	4	NUT HEX M10-1.5 G8 YEL CHR
12	035685	6	CLAMP HOSE #28 1.32-2.25
13	0E8562	1	FAN GUARD HSB
14	058443	4	SCREW CRIMPTITE 1/4-20 X 5/8
15	0C2454	9	SCREW TH-FRM M6-1 X 16 N WA ZJS
17	048031C	1	CLAMP HOSE BAND 1/4
18	029032	1	HOSE 9/32 ID (30" LG)
20	046627	1	CAP RADIATOR
21	069811	1	CAP HEX 1/4 NPT BRASS
22	065852	1	SPRING CLIP HOLDER .37-.62
23	0A2111	1	SCREW SWAGE 10-32 X 5/16 Z/YC
24	052250	2	TAPE FOAM 1 X 1 (27" LG)
25	035461	1	BARBED STR 1/4 NPT X 3/8
26	0C7649	1	CLAMP HOSE .38-.87
27	069860C	1	HOSE OIL DRAIN ASSY 21"
28	0F6746	1	TUBE UPPER COOLANT C4 3.0L
29	0F6631	1	HOSE RADIATOR ENGINE
30	0F6657	2	SUPPORT TUBE RADIATOR
31	055934N	2	CLAMP VINYL 1.31 X .281 Z
32	092079	2	SCREW HHTT M6-1.0 X 25 BP
33	022097	2	WASHER LOCK M6-1/4
35	047411	2	SCREW HHC M6-1.0 X 16 G8.8



## Section 9 - Exploded Views and Parts

Liquid-cooled 30 kW Generators  
Fuel System – Drawing No. 0F6849-A



## Section 9 - Exploded Views and Parts

Liquid-cooled 30 kW Generators  
Fuel System — Drawing No. 0F6849-A

ITEM	PART NO.	QTY.	DESCRIPTION
1 *	-----	1	WELDMENT MOUNTING BASE
2	075580	1	FLANGE FUEL INLET
3	0E7691	1	ASSY REGULATOR 3.0L NG OR LPV
4	039253	2	SCREW HHC M8-1.25 X 20 G8.8
5	022145	2	WASHER FLAT 5/16 ZINC
6	022129	4	WASHER LOCK M8-5/16
7	045771	2	NUT HEX M8-1.25 G8 YEL CHR
8	042907	2	SCREW HHC M8-1.25 X 16 G8.8
9	0C2454	2	SCREW TH-FRM M6-1 X 16 N WA ZJS
10	026307	1	ELBOW 90D STREET 3/4
11	0E1056	1	FUEL HOSE ASSY NAT.GAS/L.P.V.
12	0E6584	1	BRACKET REGULATOR 3.0L FORD HSB
13	057823	2	CLAMP HOSE #10 .56 - 1.06
14	059194	1	HOSE 5/8 ID LPG & NG (20" LG)
15	044117	1	BARBED STR 3/8 NPT X 5/8
16	0D1509	1	DECAL INLET PRESSURE
17	050279	1	DECAL FUEL INLET NG
18	0E6123	1	INTAKE ADAPTER 3.0L FORD-BOSCH
19	0E6586	1	GASKET BOSCH 32
20	0E4395	1	ACTUATOR BOSCH 32 GOVERNOR
21	057753B	1	HOSE 1.5 ID X 2 LG 20R4
25	047487	4	SCREW SHC M6-1.0 X 18 G12.9
26	022097	8	WASHER LOCK M6-1/4
27	051751	4	SCREW HHC M6-1.0 X 50 G8.8
28	035685	2	CLAMP HOSE #28 1.32-2.25
29	0C7649	4	CLAMP HOSE .38-.87
30	047290	1	HOSE 3/8 ID SINGLE BRAID (305mm [22"] LONG)
31	047290	1	HOSE 3/8 ID SINGLE BRAID (432mm [13"] LONG)
32	0A4121	1	VALVE PCV
33	0E6609	1	GROMMET ROCKER COVER 3.0LFORD
34	049099	1	BARBED EL 90 3/8 X 3/8 PLST
35 **	055934M	1	CLAMP VINYL .75 X .343 Z
36 **	047411	1	SCREW HHC M6-1.0 X 16 G8.8
37 **	022097	1	WASHER LOCK M6-1/4
38 **	022473	1	WASHER FLAT 1/4-M6 ZINC
39	0E9295A	1	ASSY THROTTLE 27MM
40	0E6382A	1	VENTURI HOLDER W/32MM ACTUATOR
41	0E7121	1	O-RING 47.625 ID X 2.38 WIDTH
42	0E6376A	1	VENTURI, 27 ID THROTTLE W/CHOK
43	0F2119	1	O-RING 45.63 ID X 2.62 WIDTH

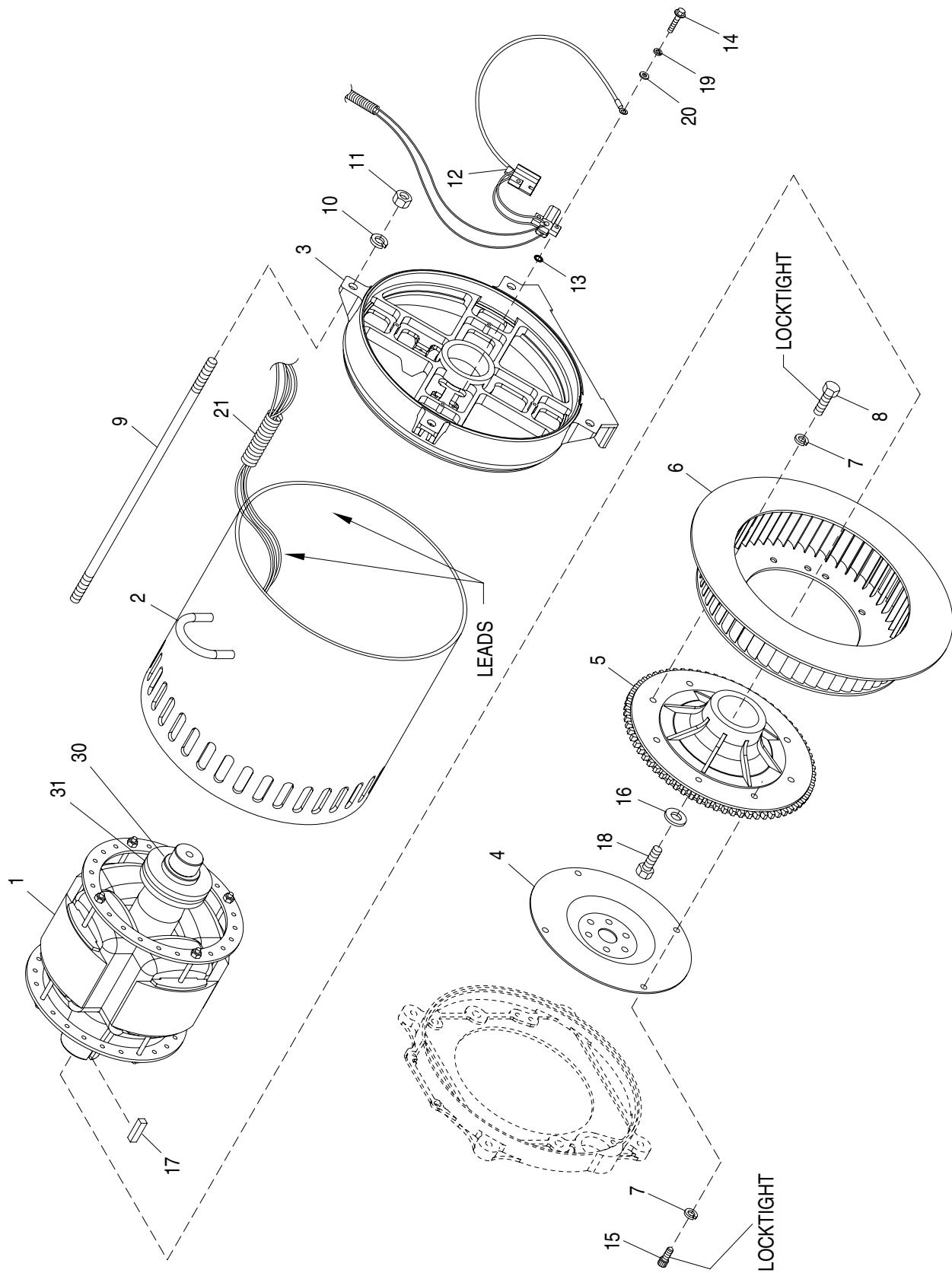
\* SHOWN IN OTHER VIEW

\*\* NOT SHOWN-USED TO HOLD #31 IN PLACE



## Section 9 - Exploded Views and Parts

Liquid-cooled 30 kW Generators  
Alternator — Drawing No. OF5092-B



**Section 9 - Exploded Views and Parts**

**Liquid-cooled 30 kW Generators  
Alternator — Drawing No. OF5092-B**

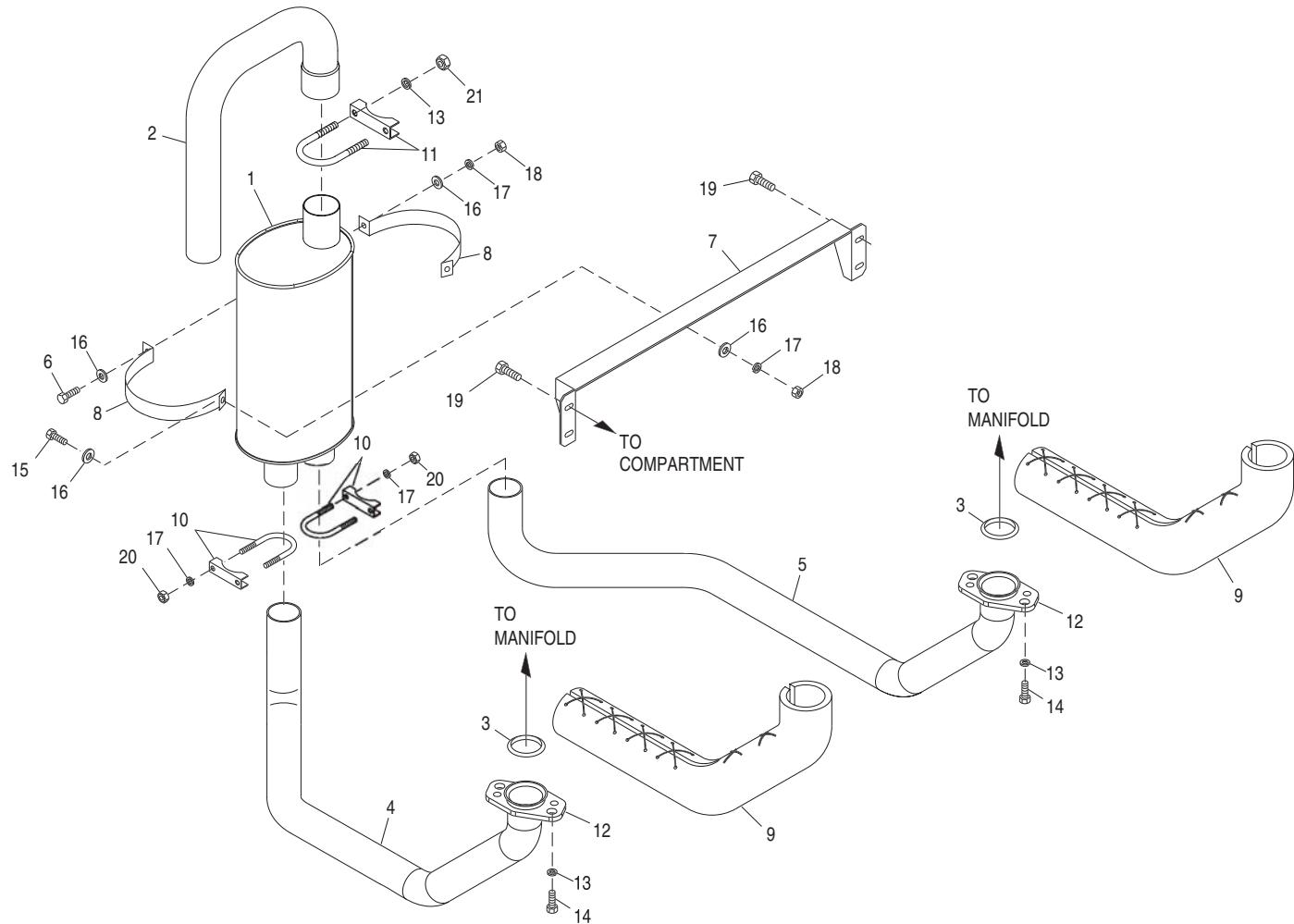


<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
1	0F1659A	1	ROTOR 390 15KW 1P DIRECT HSB (2.5L FORD)
	0F1657A	1	ROTOR 390 20KW 1P DIRECT HSB (2.5L FORD)
	0F1655A	1	ROTOR 390 25KW 1P DIRECT HSB (2.5L FORD)
	0F5073A	1	ROTOR 390_30AD1 HSB TECUM
	OE7413A	1	RTR 390 40KW 1P DIRECT HSB
2	0F1660A	1	STR 390 15AD HSB (382MM LONG) (2.5L FORD)
	0F1658A	1	STR 390 20AD HSB (382MM LONG) (2.5L FORD)
	0F1656A	1	STR 390 25AD HSB (382MM LONG) (2.5L FORD)
	0F5074A	1	STR-390_30AD1 HSB TECUM
	OE7412A	1	STR-390--40AD HSB (433MM LONG)
3	0E5706	1	REAR BEARING CARRIER 390/DRCT
4	0E5048	REF	FLEXPLATE 3.0L FORD
	0E5048B	REF	FLEXPLATE 2.5L FORD
	0E5048A	REF	FLEXPLATE HSB 3.9L CHRYSLER
5	0E6668	1	FLYWHEEL ASSY 3.0L HSB LG GEAR
6	0E6076	1	REVCOR FAN 10.75 X 2 W/PRESS DIS
7	046526	8	WASHER LOCK M10
8	051755	4	SCREW HHC M10-1.5 X 16 G8.8
9	04576100BK	4	STUD M14-2.0 X 490 G5 ZINC (3.0L FORD & 2.5L FORD)
	04576100BF	4	STUD M14-2.0 X 540 G5 ZINC
10	043123	4	WASHER LOCK M14
11	051779	4	NUT HEX M14-2.0 G8 YEL CHR
12	0E7587	1	ASSY BRUSH HOLDER 390/HSB
13	023365	1	WASHER SHAKEPROOF INT #8
14	092980	4	SCREW PPHM M4-0.7 X 25
15	057192	4	SCREW SHC M10-1.5 X 30 G12.9
16	0A2602	1	WASHER FLAT .688 ID X 3.25 OD
17	042558	1	KEY SQ 3/8 X 1 STEEL
18	0A2601	1	SCREW HHC M16-2.0 X 45 G8.8
19	022264	4	WASHER LOCK #8-M4
20	038150	4	WASHER FLAT #8 ZINC
21	077043F	1	CONDUIT FLEX 1-1/4" (30" LG - 3.0L FORD & 3.9L CHRYSLER)
	077043F	1	CONDUIT FLEX 1-1/4" (18" LG - 2.5L FORD)
ROTOR REPLACEMENT PARTS			
30	047248	1	BALL BEARING-45 MM
31	070892	1	SLIP RING -MACHINED-



## Section 9 - Exploded Views and Parts

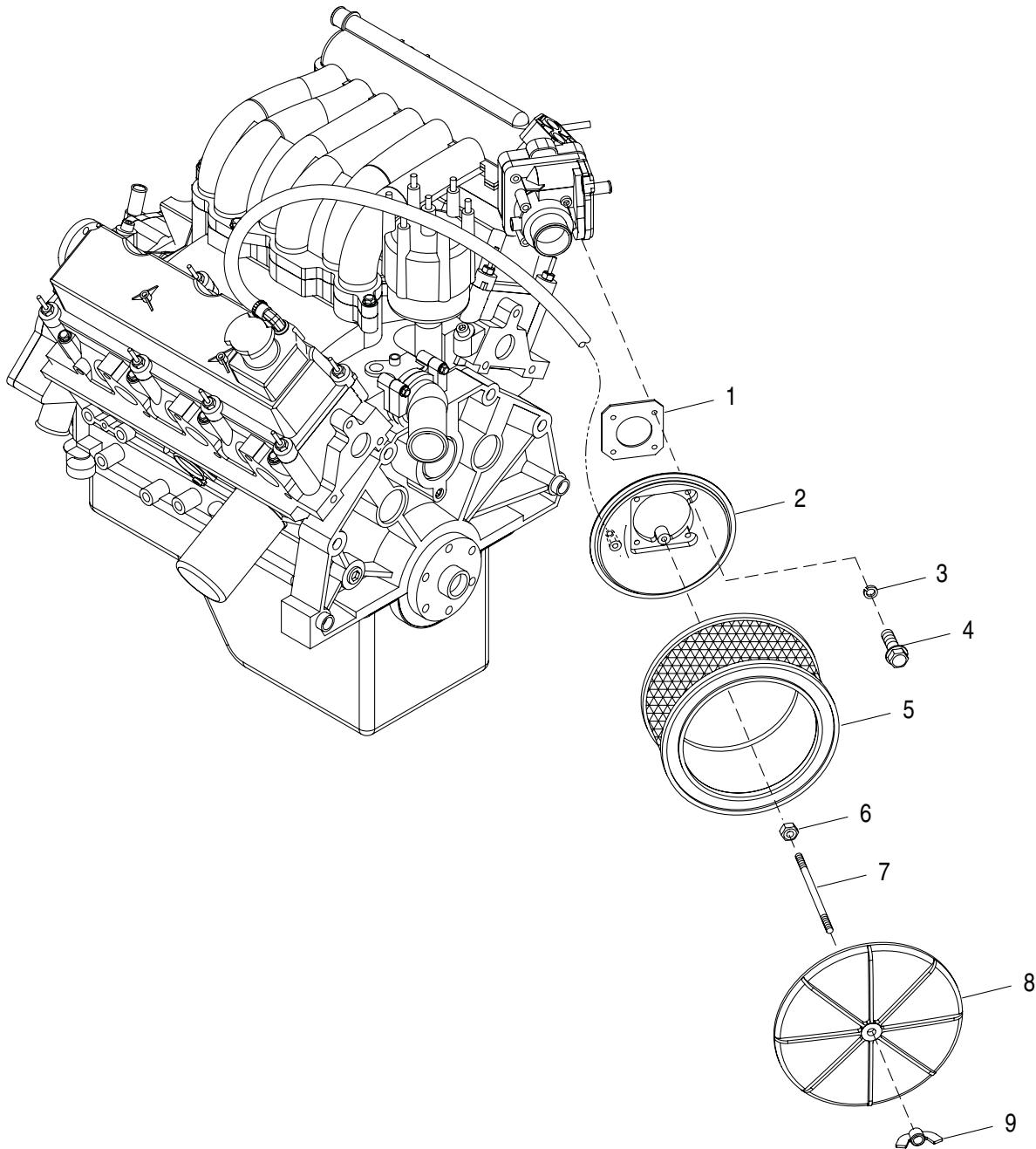
Liquid-cooled 30 kW Generators  
Exhaust — Drawing No. 0F0968-B



ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION
1	0F0738	1	MUFFLER 7"X9"- (2)2"IN/2.5"OUT	12	0E8816	2	EXHAUST FLANGE 2" PIPE
2	0F6258	1	PIPE MUFFLER OUT	13	085917	8	WASHER LOCK 3/8 SS
3	044149	2	GASKET EXHAUST RING	14	0D2611	4	SCREW HHC 3/8-16 X 1-3/4 SS
4	0F1008	1	EXHAUST PIPE LH 3.0L HSB	15	039253	2	SCREW HHC M8-1.25 X 20 G8.8
5	0F1009	1	EXHAUST PIPE RH 3.0L HSB	16	022145	4	WASHER FLAT 5/16-M8 ZINC
6	039288	1	SCREW HHC M8-1.25 X 55 G8.8	17	022129	7	WASHER LOCK M8-5/16
7	0E5914	1	BRACKET MUFFLER 3.0L FORD HSB	18	045771	3	NUT HEX M8-1.25 G8 YEL CHR ZJS
8	0E8726	2	STRAP MUFFLER	19	0C2454	4	SCREW TH-FRM M6-1 X 16 N WA
9	0E0170	2	EXHAUST BLANKET 750MM	20	022259	4	NUT HEX 5/16-18 STEEL
10	036797	2	BOLT U 5/16-18 X 2.25	21	022241	2	NUT HEX 3/8-16 STEEL
11	080762	1	BOLT U 3/8-16 X 2.62				

**Section 9 - Exploded Views and Parts**

**Liquid-cooled 30 kW Generators  
Air Cleaner — Drawing No. 0F6850-A**



ITEM	PART NO.	QTY.	DESCRIPTION
1	0E5193	1	PLATE AIR CLEANER ADAPTER
2	0E0519A	1	ADAPTER CARBURETOR W/PVC CONN
3	049226	4	WASHER LOCK M5
4	049815	4	SCREW HHC M5-0.8 X 16 G8.8
5	0C8127	1	ELEMENT AIR CLEANER
6	022127	1	NUT HEX 1/4-20 STEEL
7	062974	1	STUD TH 1/4-20 X 4-1/2 G2 ZNC
8	0A5547	1	COVER - AIR CLEANER
9	037561	1	NUT WING 1/4-20 NYLK