

GROUP A

This diagram illustrates the exploded view of a generator assembly, showing the relationship between various components. The main components and their sub-assemblies are labeled as follows:

- TO ENGINE ADAPTER**: Indicated by an arrow pointing to the left, showing the connection to the engine.
- LEADS**: Wires connecting the generator to the engine.
- ENGINE ADAPTER (REF.)**: The adapter plate that mounts the generator to the engine.
- LOCKTIGHT**: A lock nut used to secure the engine adapter.
- FLEXPLATE (REF.)**: The flexplate that connects the generator to the engine's crankshaft.
- Generator Assembly**: The main body of the generator, including:
 - 2**: The main housing.
 - 40**: The front cover.
 - 18**: The mounting bracket.
 - 28**: The output terminal.
 - 4**: The rotor assembly, including:
 - 3**: Rotor core.
 - 22**: Rotor pin.
 - 23**: Rotor nut.
 - 24**: Rotor washer.
 - 25**: Rotor pin.
 - 5**: The rotor pin.
 - SEE HUB DETAIL**: A callout showing a detail of the rotor hub.
 - 7**: The stator assembly, including:
 - 12**: Stator pin.
 - 13**: Stator washer.
 - 9**: The stator pin.
 - 17**: The stator nut.
 - 44**: The stator housing.
- Mounting and Fasteners**:
 - 8**: Screws for the front cover.
 - 14**: Screws for the stator housing.
 - 15**: Screws for the stator housing.
 - 16**: Screws for the stator housing.
 - 19**: Screws for the stator housing.
 - 20**: Screws for the stator housing.
 - 21**: Screws for the stator housing.
 - 26**: The stator housing.
 - 27**: The stator housing.
 - 31**: Tie-wrap.
 - 39**: Sleeve.
 - 41**: Tie-wrap.
 - 42**: Tie-wrap.
 - 43**: Tie-wrap.

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REVISION: H-4219-F
DATE: 4/1/09

EXPLODED VIEW: CPL ALTERNATOR BRUSHLESS 70KW 4-POLE
DRAWING #: 0G1571

GROUP A

APPLICABLE TO:

ITEM	PART #	QTY.	DESCRIPTION
1	0F3182	1	ROTOR 390 70AB3 CPL
	0F6194	1	ROTOR 390 70KB3 CPL
	0G0993	1	ASSY RTR 390 45AB3 CPL
	0G0998	1	ASSY RTR 390 45KB3 CPL
	0G0991	1	ASSY RTR 390 55KB3 CPL
	0G0997	1	ASSY RTR 390 55AB3 CPL
2	0F3183	1	STATOR 390 70AB3 CPL
	0F6195	1	STR 390 70KB3 CPL
	0F6203	1	STR 390 70GB3 CPL
	0G0994	1	ASSY STR 390 45GB3 CPL
	0G0996	1	ASSY STR 390 45KB3 CPL
	0G1000	1	ASSY STR 390 45AB3 CPL
	0G1048	1	ASSY STR 390 45JB3 CPL
	0G1049	1	ASSY STR 390 45 LB3 CPL
	0G0992	1	ASSY STR 390 55GB3 CPL
	0G0995	1	ASSY STR 390 55KB3 CPL
	0G0999	1	ASSY STR 390 55AB3 CPL
	0G1094	1	ASSY STR 390 55JB3 CPL
	0G1095	1	ASSY STR 390 55LB3 CPL
3	068405C	1	EXITER FIELD 2"LG SPD CONN
4	087272	1	ASSY EXCITER 2.00" STK
5	072878	1	KEY SQ 3/8 X 3-1/4 STEEL
6	0C9708	REF	INSTR HYPOT TEST (NOT SHOWN)
7	0F3726B	1	ASSY FLYWHEEL CPL
8	0C2454	9	SCREW THF M6-1 X 16 N WA Z/JS
9	023454	1	KEY WOODRUFF #E
10	0F8408	4	SCREW HHC M10-1.50 X 16 G10.9
11	046526	4	WASHER LOCK M10
12	0A2601	1	SCREW HHC M16-2.0 X 45 G8.8
13	072879	1	SPACER .69 X 2.75 X .37 ST/ZNC
14	052646	4	WASHER FLAT M14
15	043123	4	WASHER LOCK M14
16	051779	4	NUT HEX M14-2.0 G8 YEL CHR
17	092950	1	COLLAR SLIP FIT 390 MM
18	04576100CJ	4	STUD M14-2.0 X 650 G5 ZINC
19	022155	2	WASHER LOCK #6
20	0C2428	2	SCREW PHTT #6-32 X 1/2 ZYC
21	023484N	1	BUSHING SNAP SB-2.5-31
22	022392	2	PIN DOWEL 1/2 X 1-1/4
23	052259	2	WASHER FLAT M12
24	051769	3	WASHER LOCK M12
25	0E7230	3	SCREW HHC M12-1.75 X 80 G10.9
26	0F3033	1	SHIELD ALT EXCITER 390
27	0F2722	1	COVER EXCITER SHIELD
28	083549	4	SLEEVE RUBBER
29	020151	1	CLAMP VINYL .312 X .203 Z
30	023365	3	WASHER SHAKEPROOF INT #8
31	033133	1	SCREW HHM #8-32 X 3/8
32	033143	2	SCREW HHM #8-32 X 7/8
33	086032	2	LUG RT-ANG #10/10-12
34	090063	1	BRIDGE SUPPORT DIODE 15"
35	090064	1	CAP END ROTOR 390MM
36	090152	1	ASSY BRIDGE RECTIFIER
37	022661L	1	SLEEVE UL #0 .330 ID (3" LG)
38	028739A	2	TIE WRAP UL 3.9" X .10" BLK
39	085662D	1	TIE WRAP UL 17.7 X .35 BLK HT
40	068113A	1	REAR BEARING CARRIER CPL
41	068406	1	SCREW HHC M12-1.75 X 60 G10.9
42	0F6834	1	MOUNT CT'S 5.4L & 6.8L
43	023484N	1	BUSHING SNAP SB-2.5-31
44 *	052624	1	BEARING BALL 6212 SEALED

* ROTOR REPLACEMENT PARTS.

** PARTS INCLUDED WITH TRANSFORMER.