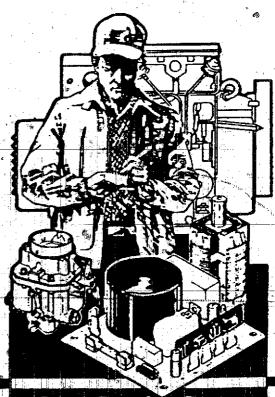
The following catalog has gaps in its page numbers, or doesn't have any numbers. We have chosen to leave the page numbering in the order that Acrobat assigns it.



Parts Manual

DB Series
DC Series
DM Series
125 - 350 kW
GEN SETS



Onan Service Parts

903-0204. 3-88

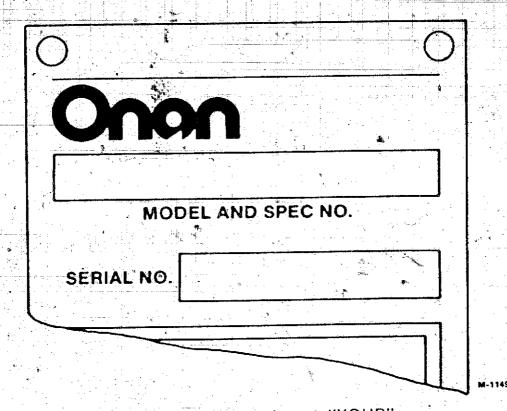
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General Information

For parts or service, contact the dealer from whom you purchased this equipment or refer to your Nearest Authorized Onan Parts and Service Center.

To avoid errors or delay in filling your parts order, always give the MODEL, SPEC NO. and SERIAL NO. from the



For handy reference, insert "YOUR" nameplate information in the spaces above.

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Introduction

This Parts Manual applies to the Standard Gen Sets Listed below. The illustrations are arranged in groups of celated items, and each part or assembly is identified by a Reference Number. All parts illustrated are typical, and unless otherwise mentioned in the description column the parts are interchangeable between models.

These typical illustrations are subject to change and reflect only the latest replace-ment parts arrangement. The Right and Left sides of the Set are determined by FACING the FRONT (Engine end) of the Set.

Set Data Table

MODEL IDENTIFICATION	RATING	RPM RATING	BATTERY VOLTAGE
125 OD 8B - */ # @ 145 OD 8B - */ # @ 150 OD 8B - */ # @ 150 OD 8B - */ # @ 165 OD 8B - */ # @ 175 OD 8B - */ # @ 190 OD 8B - */ # @ 200 OD 8B - */ # @ 220 OD 8C - */ # @ 230 OD 8B - */ # @ 250 OD 8C - */ # @ 275 OD CB - */ # @ 310 OD DB - */ # @ 350 OD DB - */ # @	125,000 WATTS 145,000 WATTS 150,000 WATTS 165,000 WATTS 175,000 WATTS 190,000 WATTS 200,000 WATTS 220,000 WATTS 230,000 WATTS 250,000 WATTS 275,000 WATTS 300,000 WATTS 310,000 WATTS	1500 RPM 1800 RPM 1500 RPM	24 VDC 24 VDC

- Voltage Codes follow Model Letter designations
- Specification Number: Number 1 is Standard, all others indicate variations. Specification Letter: Letter advances (A to B. B to C, etc) with
 - major manufacturing changes.

Electrical Data Table

*VOLTAGE CODE	VQLTS	HERTZ	WIRE	PHASE	NOTES		
H	347-1800	6.0	4	3	4		
	120/208 127/220 139/240	60 60 60	12 12 13	3			
	240/416 254/440 277/480	60 60 60	12 12 12	3 . 3			
Ž	110/190 115/200	50 50	12 12	3 3	<u>• • • • • • • • • • • • • • • • • • • </u>		
***	120/208 127/220 220/380	50 50 50	12 12 12	3 3 3			
	230/400 x 240/416 254/440	50 50 50	12 12 12	3 3 3			

The Stators are Reconnectible.

Engine Replacement Parts

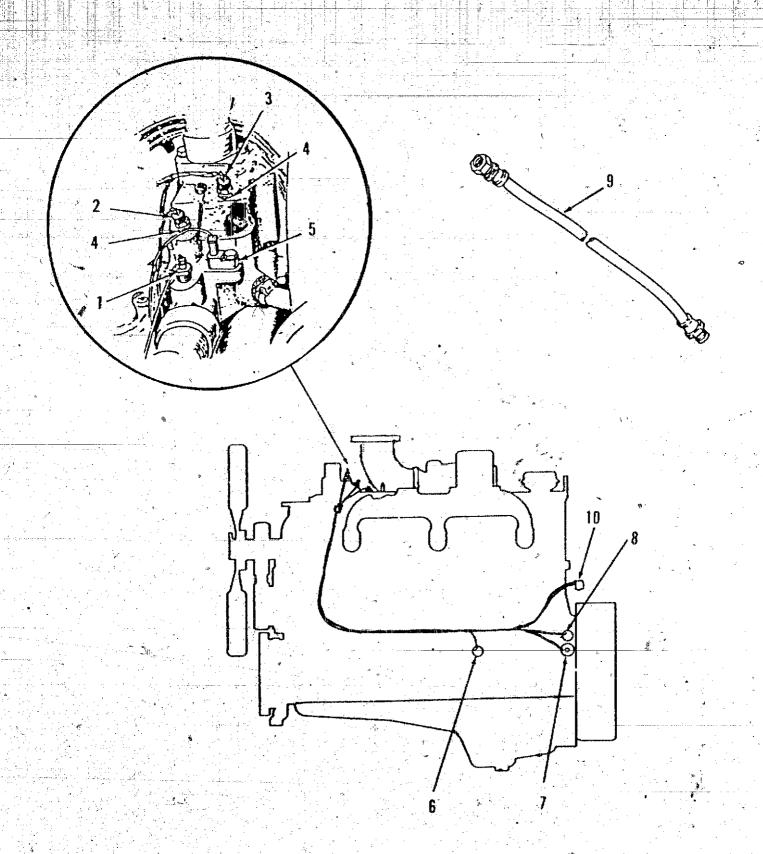
The External Engine Components added or modified during the Generator Set Assembly have been identified in this Parts Manual For Internal Engine Parts and External Engine not govered herein refer to the applicable Cummins Engine Parts Catalog

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[유럽대 하고 기급 기업 등 전 경험 기업		Meter, Frequency	D4, D14
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		Meter, Time - Running	D4, D14
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Control Generator	D4, D14		
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		Sender, Temperature - Oil	- 8A
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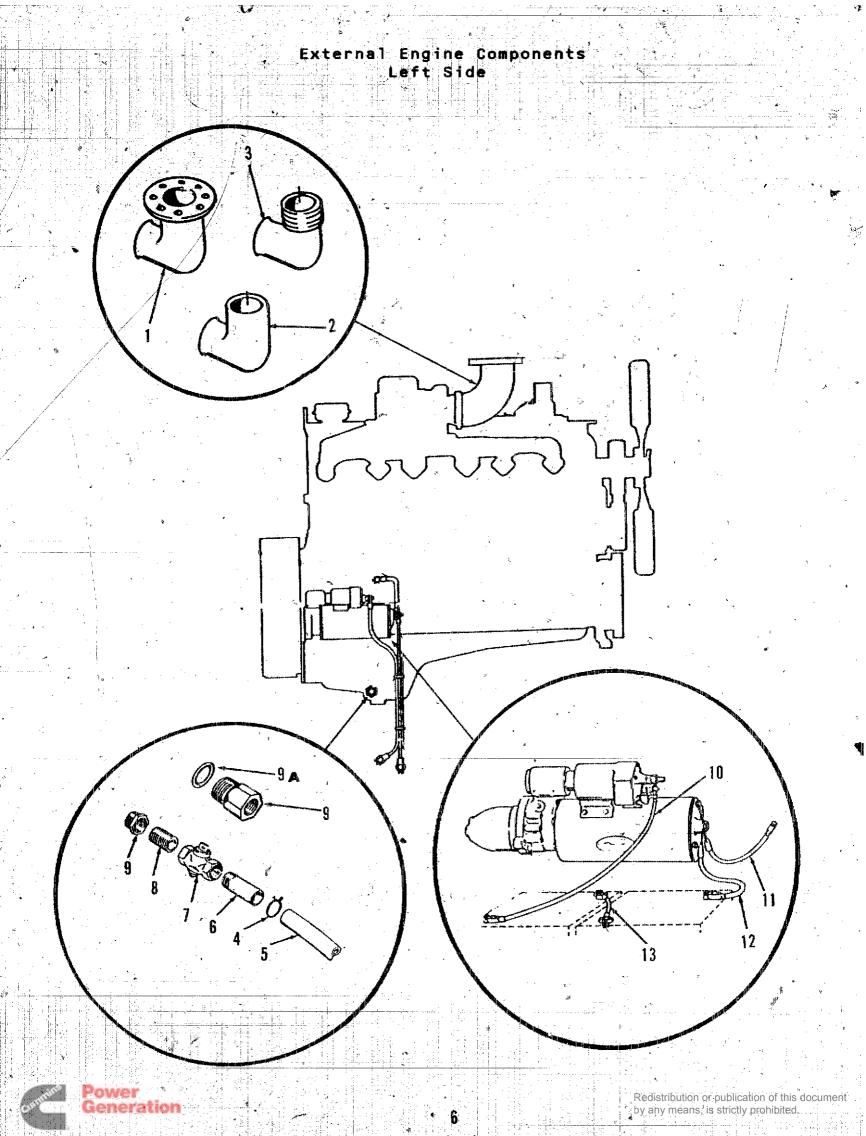






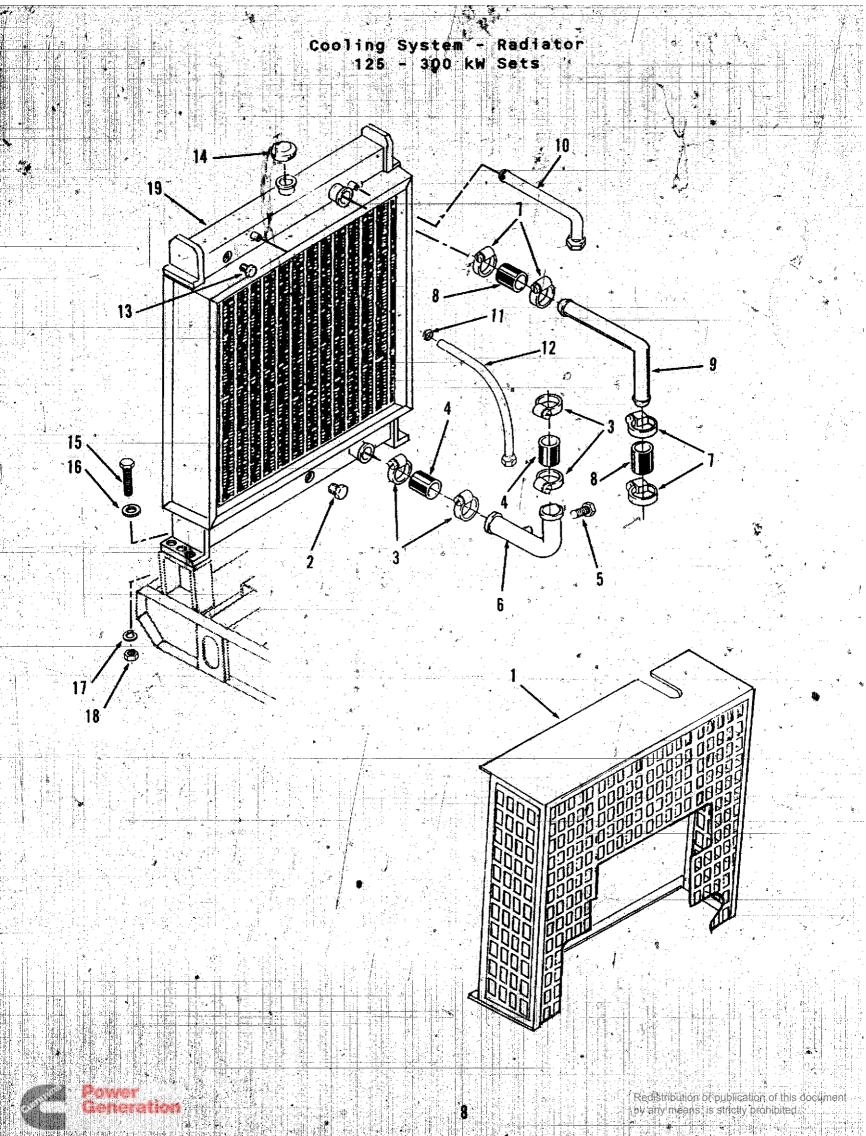
External Engine Components Right Side

NO. NO. USED DESCRIPTION NO. NO. USE	DESCRIPTION
사이보다 하는 사람들이 되었다. 그는 그는 사람들은 사람들은 사람들은 사람들은 사람들은 사람들이 가는 것이 되었다. 그는 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은	
1 193-0375 1 Sender, Temperature - Engine 10 Coolant (E2)	Harness, Wiring - Engine
2 309-Q436 1 Switch, Thermostatic - Coolant 338-2067 1	to Control Sets with Control Housing
Temperature - Alarm (S6) 3 309-0437 1 Switch Thermostatic - Coolant	Enclosure (Includes Connectors)
Temperature - Shutdown (S2) 323-1304 1	Housing, Connector - 6 Place
5 309-0269 1 Switch, Temperature - Low 323-1306, 1	Gontact, Pin Housing Connector - 8 Place
Engine Temperature (S4) 323-1200 8 6 309-0272 1 Switch, Pressure - Oil - 338-2190-01 1	Contact, Pin
Alarm (S5)	Sets without Control Housing Enclosure (Includes a
7 193-0244 1 Sender, Pressure - Of1 (E1)	Connector housing)
8 309-0169 1 Switch, Pressure - 01] - 323-1206 1	Housing, Connector (J11)
Shutdown (S1) 323-1194 20 Line, Fuel - 50"Lg	
501-0519 1 3/4-14 Male X 3/4-16 Female	



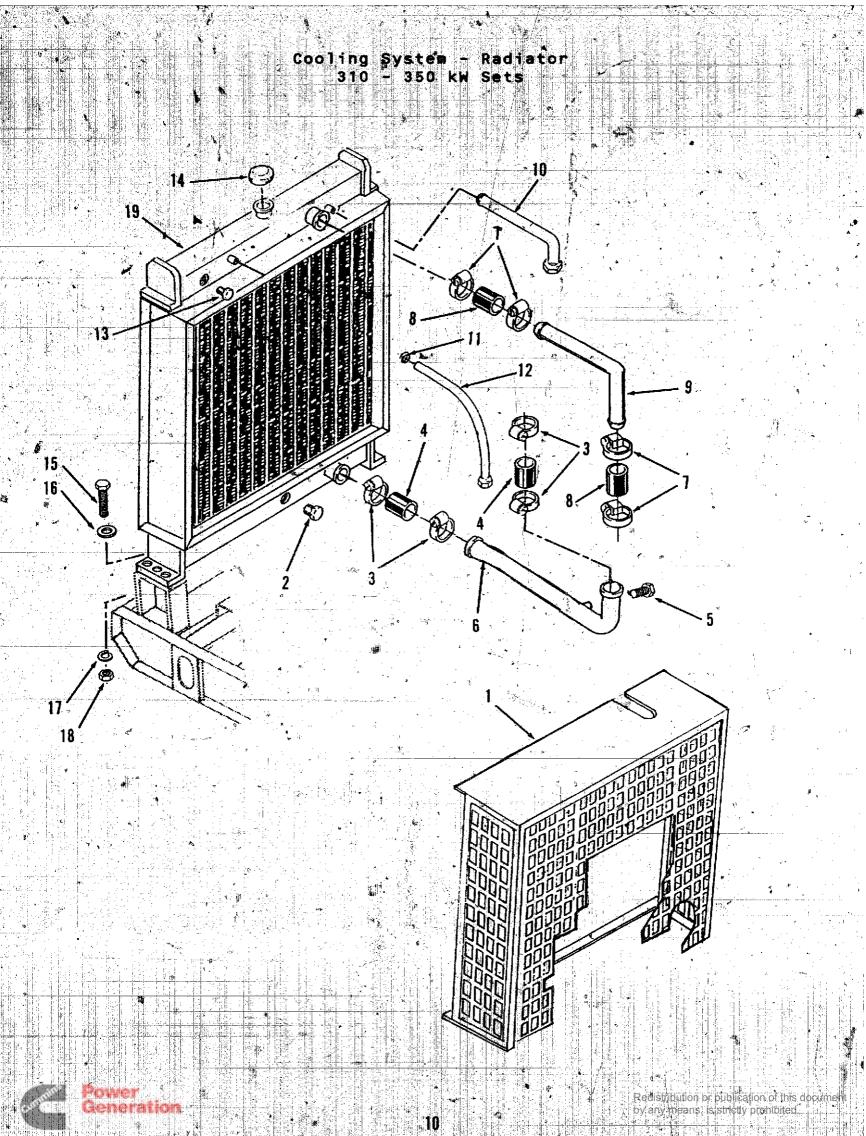
External Engine Components Left Side

							- 19	
REF	PART	QTY /	PART		REF	PART	QTY	PART
NQ.	NO.	USED/	DESCRIPTION	W	NO.	NO	- USED -	DESCRIPTION
						وسنسه مشتم عوارج وا		
$^{-1}$		1/	Elbow, Exhaust -		/ 9			Bushing, Reducer - Hex
	155-2281	1 *	125-300kW Sets		-7 + 15			(Select As Required)
19 July 1	155-2310-01	1 '	310-350kW Sets			505-0022	1 .	1"NPT X 1/2"NPT
2			Elbow, Exhaust -	Plain	/ 4	102-1335	1	1-18NS-2 X 1/2"NPT
	155-1241	1	125-300kW Sets	,	9A	508-0292 •	1	Washer, Flat - Copper
• •	155-2310-02	1	310-350kW Sets			*		(Use with 102-1335)
3	.0		Elbow, Exhaust -	Threaded	10	416-0636	1	Cable, Battery - Positive
2 1	155-1035	1	125-300kW Sets		11	416-0632	1	Cable, Electrical - Ground
1	155-1970	1	310-350kW Sets	4. 1.	<u>.</u>			Attaching Parts
4	503-0197	1	Clamp, Loop			800-0049	- - 1 <u>-</u>	Screw, Cap - Hex Head *
5	503-0888	1	Hose		100 E 17 E			(1/2-13 × 1-1/2")
6	505-0185	.1:	Nipple, Pipe - Ha	alf		850-0060	. 1	Washer, Lock - Spring (1/2")
7.	504-0011	1	Val∨e		ala a la figura	856=0013	1	Washer, Lock - EIT (1/2")
8	505-0100	1	Nipple, Pipe - C	ose	12	416-0639	1	Cable, Battery - Negative
			in the state of th			416-0473		Cable, Electrical - Jumper



* REF PART NO. NO.	OTY PART USED DESCRIPTION .	REF PART NO. NO.	QTY PART SUSED DESCRIPTION S
1 * 2 * 3 * 4 * 5 *	1 Guard, Fan 1 Rlug, Pipe (1/2"BSPI) 4 Clamp, Hose 2 Hose 1 Plug	11 * 12 * 13 502-0153 14 * 15 800-0030	1 Clamp, Hose 1 Tube, Went 1 Plug, Pipe (1/4-18 NPTF) 1 Cap, Radiator - 10 L8 6 Screw, Cap - Hex Head (5/16-18 x 1-1/4")
6 * 7 * 8 * 9 *	1 Pipe, Lower 4 Clamp, Hose 2 Hose 1 Pipe, Upper 1 Pipe, Fill	16 526-0022 17 850-0045 18 862-0015 19 *	6 Washer, Flat (5/16) 6 Washer, Lock - Spring (5/16) 6 Nut, Hex (5/16-18) Radiator

^{* -} Part Number not available at time of Printing

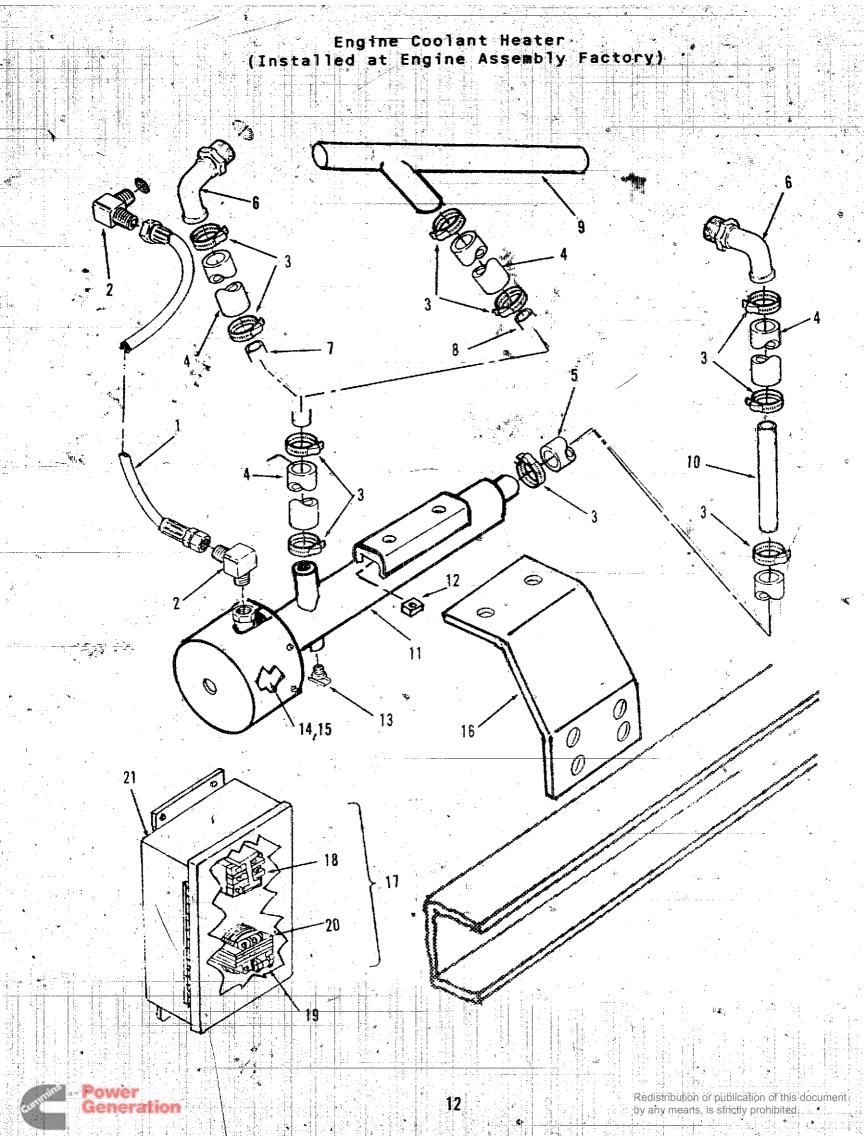


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COOLI	na.	N.V.C.	TOR	- WS	กกล	TOP
Cooli		. , ,	C (20 100 100 100 100 100 100 100 100 100 1		W 1 W	
			1			- At + = 1
	1 11	- 4	NII K	W 56	TE	A 100 Per 12 Per
. 9, 4, 1, 1, 1, 1, 1		1, 1		W Se	1.	(4) 17. 7
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REF NO		PART NO.			QTY USED		PA DESCRI	RT PTION		REF NO	PART NO.	Q1 U:	FÝ SED	PART DESCRIPTION
	- 11		9.4			Park Area				AV.			2. 1. ¹	
* 1	*		711	7	1	Guard,	Fan		The state of	11	*		i	Clamp, Hose
2	★				1	Plug, 1	Pipe (1	!/2"BSPT)		12	*		1	Tube, Vent
- 3	*		· · ·		4	Clamp,	Hose			13	502-0153		1	Plug, Pipe (1/4-18 NPTF)
4	, *				2	Hose		s = 1		14	ਸ		1	Cap, Radiator - 10 LB
- 5	. ★				1	Plug		*		15	800-0030		3	Screwww Cap - Hex Head
6	*		٠.	Ϋ́	ī		Lower							(5/16-18 x 1-1/4")
7	*				4	Clamp,		· · · · · · · · · · · · · · · · · · ·	•	16	526-0022	. 6	5	Washer, Flat (5/16)
. 8	*		. :	ì	2	Hos e	•		-	17	850-0045		δ	Washer, Lock - Spring (5/16)
9	rk	•			1 ::	e:	Upper -		*	18	862-0015	. 6	ŝ	Nut, Hex (5/16-18)
10	·-*		;		Ī.,	Pipe,			P	19	*		1	Radiator

⁻ Part number not available at time of printing.

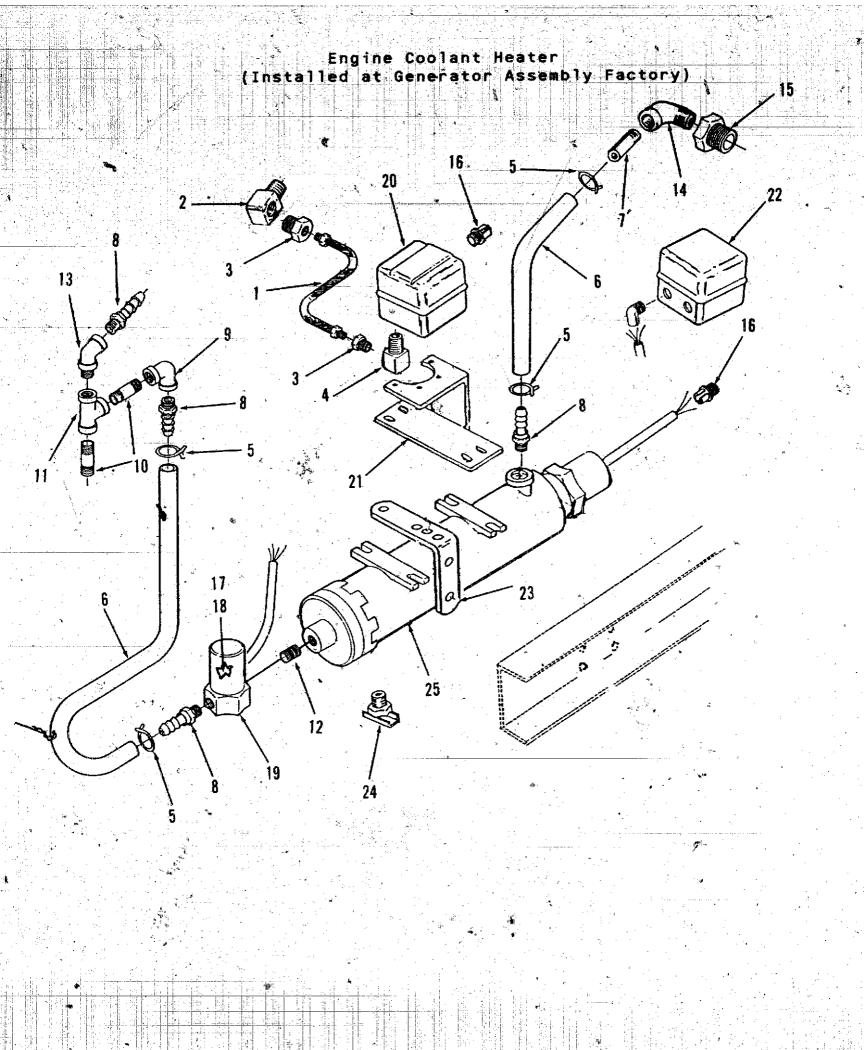




Engine Coolant Heater (Installed at Engine Assembly Facarory)

RÉF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	501-0537-03	1	Hose Assembly - Qil Pressure -	16	130-3189	1	Bracket, Mounting - Heater
2	502-1043-01	2	Elbow, Pipe - Male, 90 DEG	. :			Attaching Parts for Bracket
3	503-1603	- 8	Clamp, Hose		800-0210	4	Screw, Cap - Hex Head
4	503-1602	3	Hose, Rübber	•			(3/8-16 × 1-1/4")
5	503-1604	1	Elbow, Hose - Rubber	**	850-0103	4	Washer, Tock - Spring
6		,	Coupling, Hose - Elbow, 90 DEG				(3/8")
	502-1047-01	1	Sets with Y Water Tube		871-0028	4	Nut, Hex - Brass (3/8-16)
	502-1047-01	2	Sets without "Y Water Tube	17			Switch, Control - Heater
7	130-3225	1 .	Tube, Water - 23"LG (Used on		4 m	' s±	(Includes Contactor,
			Set without Y Water Tube)		•		Step-down Transformer with
8	130-3227	1	Tube, Water - 21"LG (Used on				Fuse[480V Unit Only],
			Set with Y Water Tube)			•	Ground Lug and Box)
9	130-3222	1	Tube, Water - "Y"		309-0567-01	1	120 VAC
10	130-3226	1	Tube, Water - 7-3/4"LG		309-0567-02	1	480 VAC
11		-	Heater, Electrical - Engine		•		Attaching Parts for Switch
			Coolant (Includes Thermostat,		800-0222	4	Screw, Cap - Hex Head
	(Oil Pressure Switch,		•		$(1/4-20 \times 3/4")$
1			Drain Cock and Mounting Nuts)		850-0101 4	4	Washer Jock - Spring
	333-0389-01	· 1	2500 Watt, 240 VAC		· · · · · · · · · · · · · · · · · · ·		(1/4")
	333-0389-02	1	4000 Watt, 240 VAC		862-0031	4	Nut, Hex (1/4-20)
	333-0389-03	1	2500 Watt, 120 VAC	18	1	1	Contactor (37.5 AMP, 3 Pole,
	333-0389-04	1	4000 Watt, 480 VAC (Includes		Service .		SPST, 120 VAC Coil)
			Heater Control Switch Unit)	19		1	Fuse (1 AMP)
	333-0389-05	1	- + 2500 Watt, 480 VAC (Includes	20		1	Transformer, Step-down
			Heater Control Switch Unit)				(240/480VAC Primary, 120 VAC
	333-0389-06	1	#000 Watt, 120 VAC (Includes				Secondary, with Fuse Clips
SHEET 1.4			Heater Control Switch Unit)				on output Terminals)
			Attaching Parts for Heater	21	-,	1	Box, Electrical
	800-0222	2	Screw, Cap - Hex Head	22	333-0390	1 '	Bracket, Mounting - Switch
		•	$(1/4-20 \times 3/4")$				(Not Illustrated)
	850-0101	2	🍮 Washer, lock - Spring (1/4")		*5		Attaching Parts for Bracket
	402-0608	. 2	Isolator, Vibration		800-0210	2	Screw, Cap - Hex Head
	402-0609	2	Isolator, Vibration				$(3/8-16 \times 1-1/4")$
12	,	2	Nut, Special		850-0103	'2	Washer, lock - Spring
	•		(Supplied with Heater)			. ,	(3/8")
13	504-0003	1	Cock, Drain (1/4 NPT)		871-0028	2	Nut, Hex - Brass (3/8-16)
14		1	Thermostat		•		
15	146	-1	Switche Pressure - Oil				*







Engine Coolant Heater (Installed at Generator Assembly Factory)

REF NO.	to the first of the terms of th	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	501-0227	1	Line, Fuel	21	333-0224	1	Bracket, Support (Begin 1983)
2	∵502∉0020	1	Elbow, Pipe - Street,	1.4	000 0007		Attaching Parts for Bracket
		•••	90 Degree	d .	800-0007	4	Screw Cap - Hex Head (1/4~20 x 1")
3	505-0007	2	Bushing, Reducer - Hex		050 0040	•	Washer, Lock - Spring (1/4")
4	505-0054	1.	Elbow, Pipe - Street.		850-0040 862-0001		Nut. Hex (1/4-20)
	rho araa		90 Degree	22			Contactor
5	503-0429	4	Clamp Hose Hose	2.2	307-1460	1	230 VAC, 3 Pole
0	≲503-0853 505-0324		Nipple, Pipe - Half	erika Limitari	307-1164	1	460 VAC, 3 Pole
	505-0324	1	Adapter, Hose to Pipe	23.	130-1375	2	Bracket, Mounting
/ 9	505-0041	2	Elbow, Pipe - 90 DEG		100 1010	-	Attaching Parts for Bracket
10	505-0086	2	Nipple, Pipe	100	800-0052	2	Screw, Cap - Hex Head
$\sqrt{11}$	505-0304	1	Tee, Pipe		Article		$(3/8-16 \times 1-1/2")$
12:	505-0004	i.	Nipple, Pipe - Close		862-0003	2	Nut, Hex (3/8-16)
13	505-0333	1	Elbow, Pipe - Street, 45 DEG	24	504-0003	1	Cock, Orain
14	502-0390	. 1	Elbow, Pipe - Street, 90 DEG	25		11.00	Heater, Electrical 🧳 🚐 📜
²⁵ 15.	505-0289	1	Bushing, Reducer - Hex		. 333-0143	1	4000 Watt, 208 VAC, 1 Phase
16	331-0027	6	Clamp, Cable	4	333-0164	1	4000 Watt, 208 VAC, 3 Phase
. 17.	323-0957	2	Nut, Wire		333-0138	1	4000 Watt, 240 VAC, 1 Phase
18	332-0149	8	Lug, Terminal		333-0190	1	4000 Watt, 240 VAC, 3 Phase
19	309-0490	1.	Switch, Thermostatic		333-0150	1	4000 Watt, 277 VAC, 1 Phase
20	309-0307	1	Switch, Pressure - Oil		333-0183	1	4000 Watt, 380 VAC, 1 Phase
			Attaching Parts for Switch		333-0174	1	4000 Watt, 380 VAC, 3 Phase
	812-0079	., ., 4	Screw, Machine - Round Head		333-0161	. I	4000 Watt, 480 VAC, 1 Phase
			(#8-32 × 1/2")		333-0144	. 1	_4000 Watt, 480 VAC, 3 Phase
	854-0007	4	Washer, Lock - ET (#8)		۰ ب		

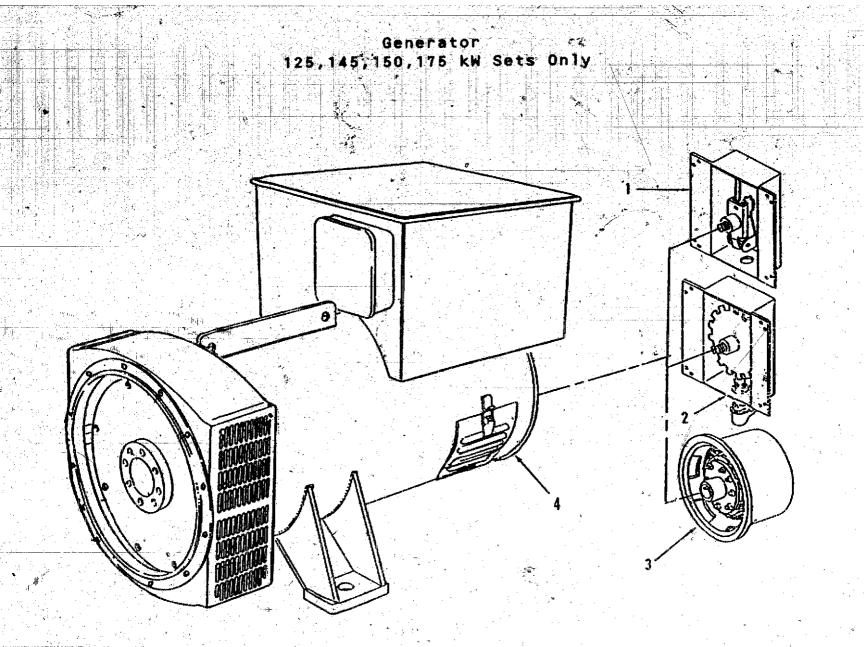


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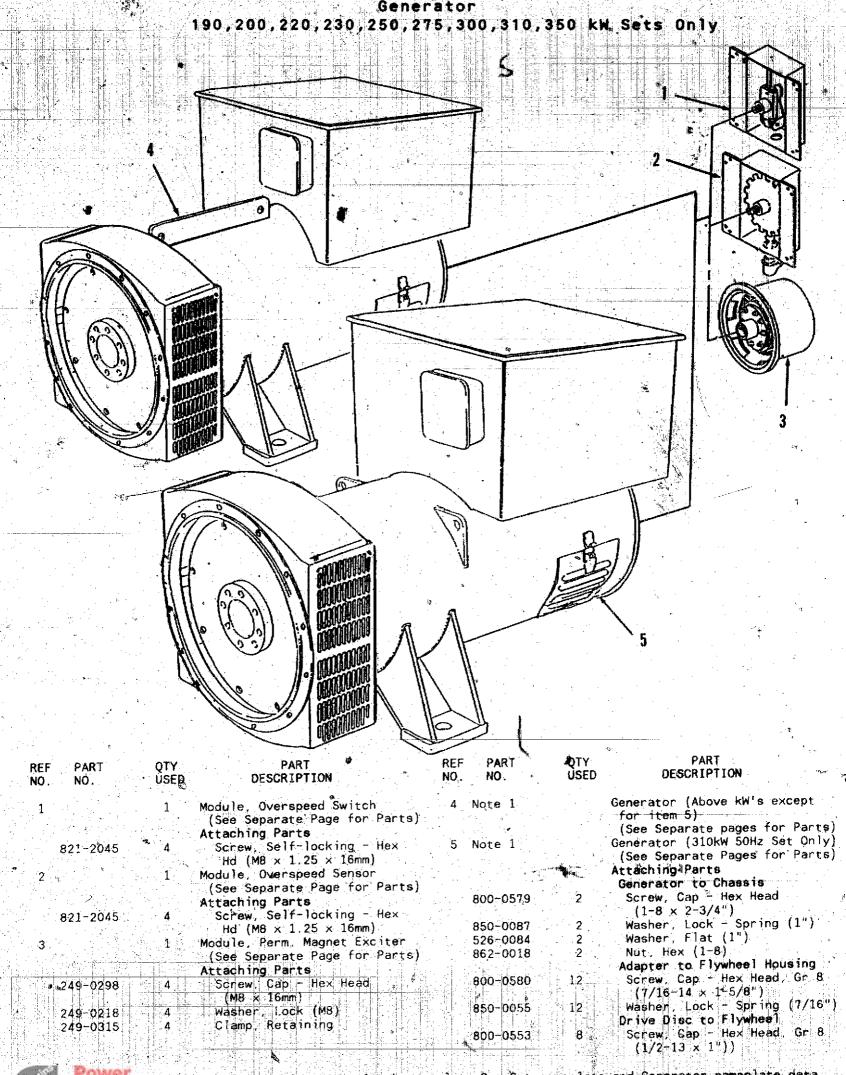




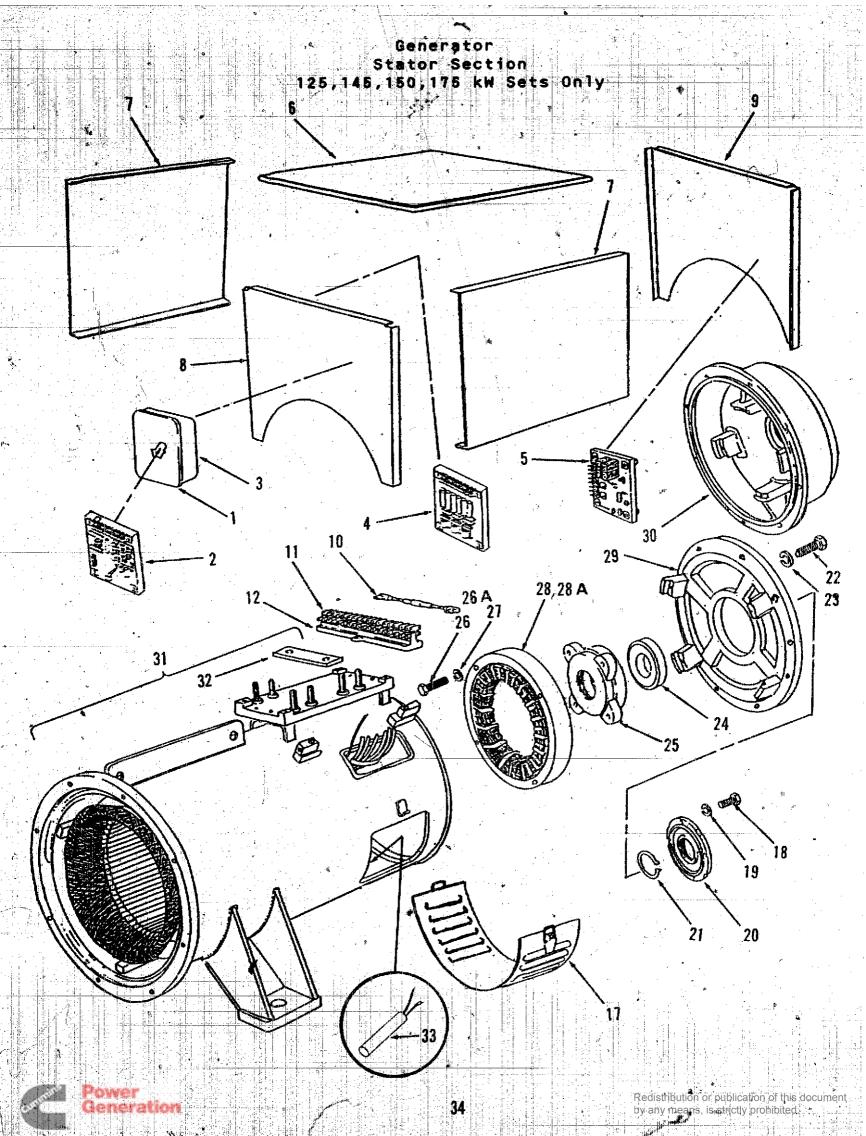
REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO.	PART NO.		QTY USED	PART DESCRIPTION
1		1	Module, Overspeed Switch*	4	Note 1			Generator (See Separate Pages for
100			(See Separate Page for			٠, ٠,		Stator and Rotor Components)
			Components) Attaching Parts				• .	Attaching Parts
	821-2045	4	Screw, Self-locking Hex		. ,		1.	Generator to Chassis
\$	OZI ZOAS		Hd (M8 x 1.25 x 16mm)		800-0579	}	2	Screw, Cap - Hex Head
2		1	Module: Overspeed Sensor					$(1-8 \times 2-3/4")$
-			(See Separate Page for		850-0087		2	Washer, Lock - Spring (1")
vija i j			Components)	1	526-0084		2	Washer; Flat (1")
			Attaching Parts		862-0018	} :	2	Nut Hex (1-8)
A Sec.	821-2045	4	Screw, Self-locking - Hex		ONA NEGO		10	Adapter to Flywheel Housing Screw, Cap - Alex Head, Gr 8
1111			Hd (M8 \times 1.25 \times 16mm)		800-0580	<i>r</i>	12	(7/16-14 × 1-5/8")
3		1	Module, Permanent Magnet Exciter (See Separate Page		850-0055		12	Washer, Lock - Spring (7/16")
			for Components)		000 0000		**	Drive Disc to Flywheel
4			Attaching Parts		800-0553	3	8	Screw, Cap - Hex Head, Gr 8
	249-0298	4	Screw, Cap = Hex Head			**		$(1/2-13 \times 1"))$
			(M8 x 16mm)	1 1 1 1 3				
	249-0218	4	Washer, Lock (M8)			4		
	249-0315	4	Clamp Retaining					
				Note	: 1: For	repl	acemen	t Generator please supply the
					com	lete	cen o	et nameplate and Generator
				丰料.	riame	th rac	e data	

o° Power Generation

Redistribution or publication of this document by any means, is strictly prohibited.



1. For replacement Generator please supply the complete Gen Set nameplate and Generator manage at a detanent by any means, is strictly prohibited.



Stator Section 25 145 150 175 kW Sets Only

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	249-0631	2	Lid, Electrical Box - Plain		249-0202	4	Washer, Lock - Spring (M10)
			Attaching Parts	20	249-0362	1	Cap, Bearing - Outer
	249-0304	.8	Screw, Captive		249-0444	$\mathbb{Z}_{\mathbb{Q}} = \mathbb{Z} 1^{1/2}$	Circlip
. 2		ì þ	Regulator, Voltage	2 2	249-0201	8	Screw_ Cap - Hex Head
1. 1	305-0779, ,	. 1	1 or 3 Phase, Series 4				(M10 × 35mm)
	•	•	Excitation(Non PMG)	23 -	249-0202	. 8	Washer, Lock - Spring (M10)
	305-0770	1	1 Phase (Used with PMG)	24	249-0312	1	Bearing, Ball
550	305-0778	1	3 Phase (Used with	25	249-0361	, 1	Cap, Bearing - Inner
			PMG Exciter & 3 Phase	26	249-0297	4 4	Screw, Cap - Hex Head
			Sensing Module)	- 4			(M6 x 55mm) Used with Item 28
	, :		Attaching Parts	26A	249-0291	4	Screw, Cap - Hex Head
	249-0398	. 4	Pillar, Threaded		<u></u>	1117 (15 1)	(M6 x 70mm) Used with Item 28A
-3	300-3278	1	Module, 3 Phase Sensing	27.	249-0212	^4	Washer, Lock - Spring (M6)
		· . '': ,	Attaching Parts	28	249-0334	1	Stator, Exciter -
	249-0398	4	Pillar, Threaded				125 & 150 kW Sets
4	249-0395	2	Box, Electrical	28A	249-0366	* 1	Stator, Exciter
5	300-3209-02	1	Module, Frequency Detection				145 & 175 kW Sets
			Attaching Parts	29	249-0354	1	Bracket, End
	249-0295	4	Screw, Cap - Hex Head	•			125 & 150 kW Sets
			$(M5 \times 35 mm)_{c}$	30	249-0355	1	Bracket, End
	249-0288	. 4	Washer, Plastic (M5)	_		*	145 & 175 kW Sets
	249-0287	4	Nut, Hex - Nylon (M5)	31	NES	- 1 .	Stator, Generator (Includes
6	NFS	1	Lid	•			Terminal Studs and Links) 7
7	NFS	<u>:</u>	Panel, Side	1.1		A grade	Attaching Parts Stator to
8	NFS	1	Panel, Front	•		4 T	Adapter
~ 9	NFS	1	Panel, Rear	and 🌉	249-0201	8	Screw, Cap - Hex Head
10	249-0428	1	Resistor (Voltage Code				$(M10 \times 35mm)$
-			H Only)		249-0202	8	Washer, Lock -*Spring (M10)
11	249-0289	3	Block, Terminal - AUX	32	249-0404	4 .	Link, Terminal
12	249-0424	1	Base, Terminal - AUX	33		-	Heater, Electrical - Replacement
1.7	249-0368	2	Grille, Inlet - Air	9	249-0621	1	# 70 Watt, 120 VAC
18	249-0302	4	Screw, Cap - Hex Head (M10 x 65mm)		249-0622	, 1	70 Watt, 240 VAC

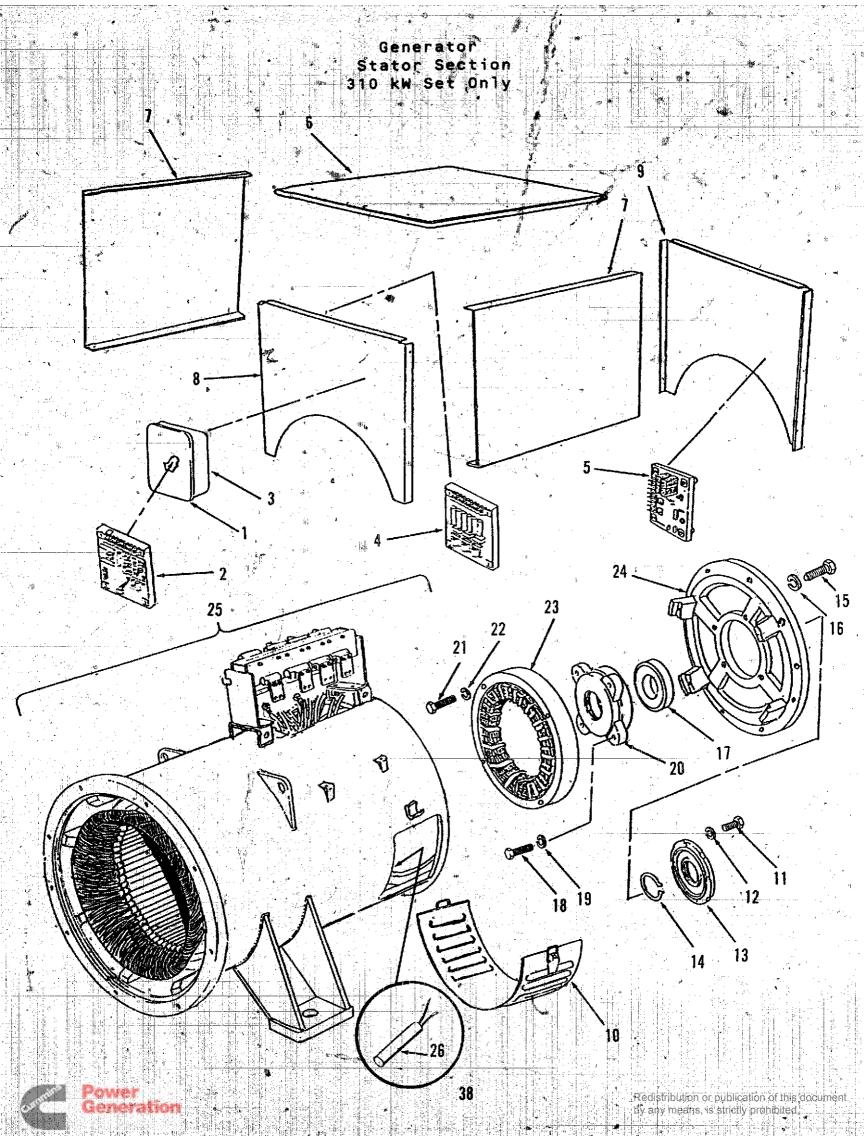


Generator Stator Section 190,200,220,230,250,275,300,350 kW Sets Only 17/1 Redistribution or publication of this document by any means, is strictly prohibited.

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7	v		4	vı	1	- 45	-			11	v	1	Ē.	. Ta	1	•	·	•	~	~		•	T		•					2 T		j.,		₹.		:3

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.		QTY USED	DESCRIPTION
1	249-0631	2.	Lid, Electrical Box - Plain		249-0438	2	Grille, Inlet - Air
·		ar exist.	Attaching Parts	14	249-0243	4	Screw, Cap - Hex Head
	249-0304	8	Screw, Captive				(M10 x 30mm)
> 2 :			Regulator, Voltage	15		. 4	Washer, Lock - Spring (M10)
11	305-0779	1	1 or 3 Phase, Series 4	. — -	249-0242	1	Cap, Bearing - Outer
1.1		4112	Excitation(Non PMG)		249-0232	<u>1</u>	Circlip
	305-0770	1	1 Phase (Used with PMG)	18	249-0201	8	Screw, Cap - Hex Head
	305-0778	1	3 Phase (Used with			_	(M10 x 35mm)
			PMG Exciter & 3 Phase	19	249-0202	8	Washer, Lock - Spring (M10)
			Sensing Module)		249-0241	. 1	Bearing, Ball
			Attaching Parts	21	249-0245	4	Screw, Cap - Hex Head 3
42	249-0398	4	Pillar, Threaded				(M10 x 50mm)
. 3	300-3278	1 .	Module, 3 Phase Sensing		249-0202	4	Washer, Lock - Spring (M10)
10 No.		hat .	Attaching Parts		249-0244	1	Cap, Bearing - Inner
	249-0398	4	Pillar, Threaded	24	249-0256 🐛	6	Screw, Cap - Hex Head
'4	249-0395	2	Box, Electrical				$(M6 \times 65 \text{mm})$
5	300-3209-02	1	Module, Frequency Detection		249-0212	6	Washer, Lock - Spring (M6)
- 1		V.,	Attaching Parts		249-0255	1	Stator, Exciter
	249-0295	4	Screw, Cap - Hex Head		°249-0200	1	Bracket, End
			(M5 × 35mm)	28	NFS	1	Stator, Generator (Includes
	249-0288	4	Washer, Plastic (M5)				Terminal Studs and Links)
	249-0287	. 4	Nut, Hex - Nylon (M5)		,		Attaching Parts Stator 🛫
6 ,	NFS	1 ·	Lid			_	to Adapter
7	NFS	. 2	Panel, Side		249-0204	8	Screw, Cap - Hex Head
- 8	NFS	1	Panel, Front				(M12 x 40mm)
9	NES	• 1	Panel. Rear		249-0205	8	Washer, Lock - Spring (M12)
10	249-0428	1	Resistor (Voltage Code	29	249-0200	4	Link, Terminal
10 A			H Only)	30		_	Heater, Electrical - Replacement
11	249-0289	· 3	Block, Terminal - AUX		249-0621	1	70 Watt, 120 VAC
12	249-0424	1'	Base, TerminaP - AUX		249-0622	. 1	70 Watt, 240 VAC

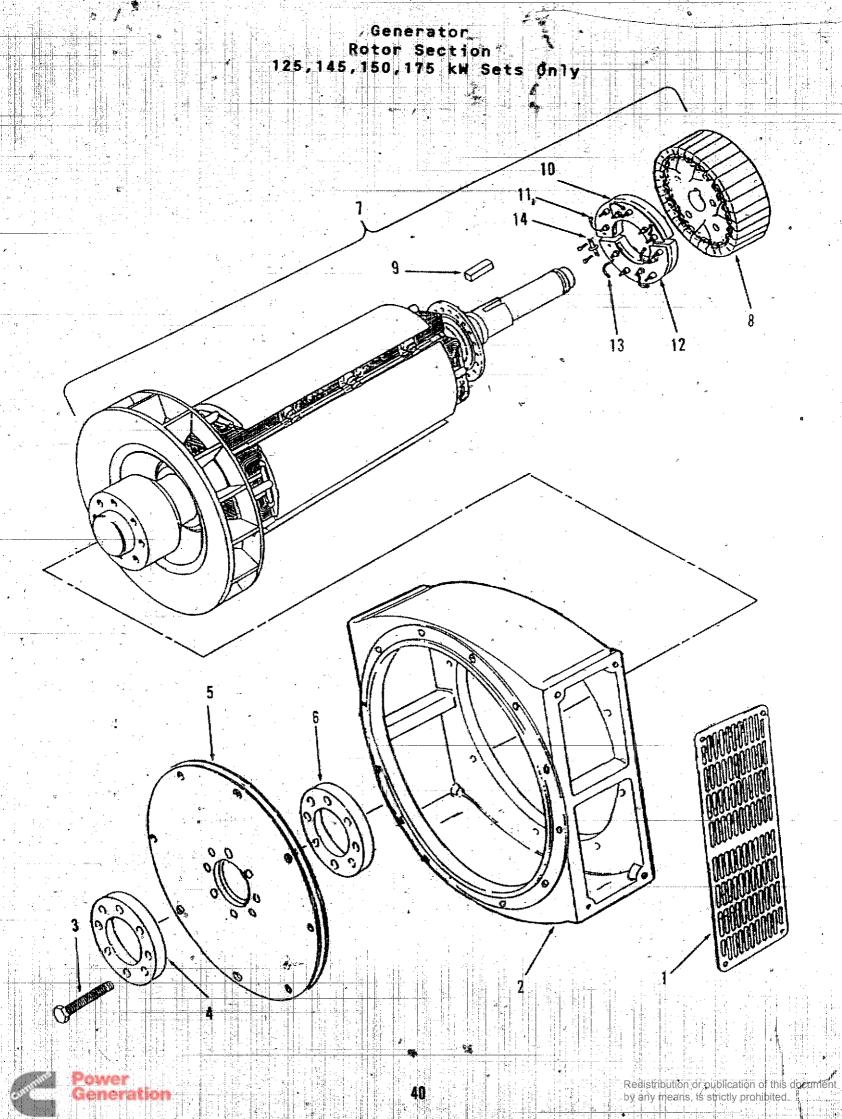




Generator Stator Section 310 kW Set Only

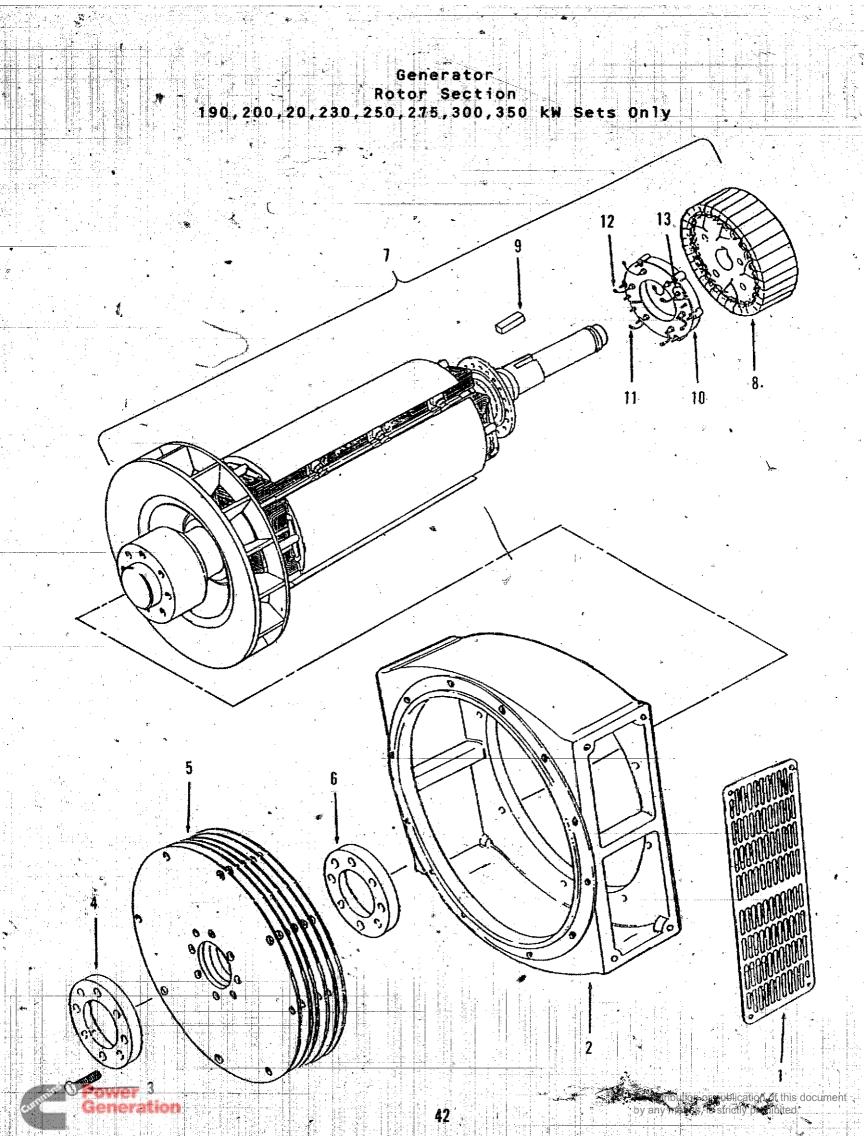
REF NO.	PART	QTY USED	PART DESCRIPTION	REF	PART, NO.		TY SED	PART DESCRIPTION
1	249-0631	2	Lid, Electrical Box - Plain	12	249-0202		8	Washer, Lock - Spring (M10)
	10 mg - 10 mg		Attaching Parts	13	249-0242		1	Cap, Bearing - Outer
4	249-0304	. 8	Screw, Captive	14	249-0232		1	Circlip
2	*	•	Regulator, Voltage	15	249-0243		4	Screw Cap - Hex Head
	305-0770	1	Standard	~~	77.7		* :.	. (M10 × 30mm)
4	305-0778	1	3 Phase (Used with	16	249-0202	i	40	Washer, Lock - Spring (M10)
•			PMG Exciter & 3 Phase	17	249-0241		1	Bearing, Ball
-	·		Sensing Module)	18	249-0245		4	Screw, Cap - Hex Head
			Attaching Parts				458.5	(M10 × 50mm)
÷.	249-0398	4	Pillar, Threaded	19	249-0202		4	Washer, Lock - Spring (M10)
3	300-3278	1	Module, 3 Phase Sensing	20	249-0244		1	Cap, Bearing - Inner
	8		Attaching Parts	21	249-0256		6	Screw, Cap - Hex Head
	249-0398	4	Pillar, Threaded			_		(M6 x 65mm)
. 4	249-0395	2	Box, Electrical	-22	249-0212		6	Washer, Lock - Spring (M6)
5	300-3209-02	1	Module, Frequency Detection	23	249-0255		1	Stator, Exciter
			Artaching Parts	24	249-0272		1	Bracket, End
1	249-0295	4	Screw, Cap - Hex Head 🐰 🕡	25	NFS .		ĩ	Stator, Generator (Includes
			$(M5 \times 35 \text{mm})$	*			_	Terminal Studs and Links)
-	249-0288	4	Washer, Plastic (M5)					Attaching Parts Stator
	249-0287	4	Nut, Hex - Nylon (M5)			•		to Adapter
6	NFS	1	Lid		249-0268		8	Screw, Cap - Hex Head
7	NFS	2	Panel, Side					$(M12 \times 35mm)$
В	NES	1 .	Panel, Front		249-0205		8	Washer, Lock - Spring (M12)
¥ ,C	NFS x	"1	Panel, Rear	26	Commence of the second second			Heater, Electrical - Replacement
10	249-0408	2	Grille, Inlet - Air		249-0621		1 F	_ 70 Watt, 120 VAC
11	249-0201	. 8	Screw, Cap - Hex Head (M10 x 35mm)		249-0622		i	70 Watt. 240 VAC





Generator Rotor Section 125,145,150,175 kW Sets Only

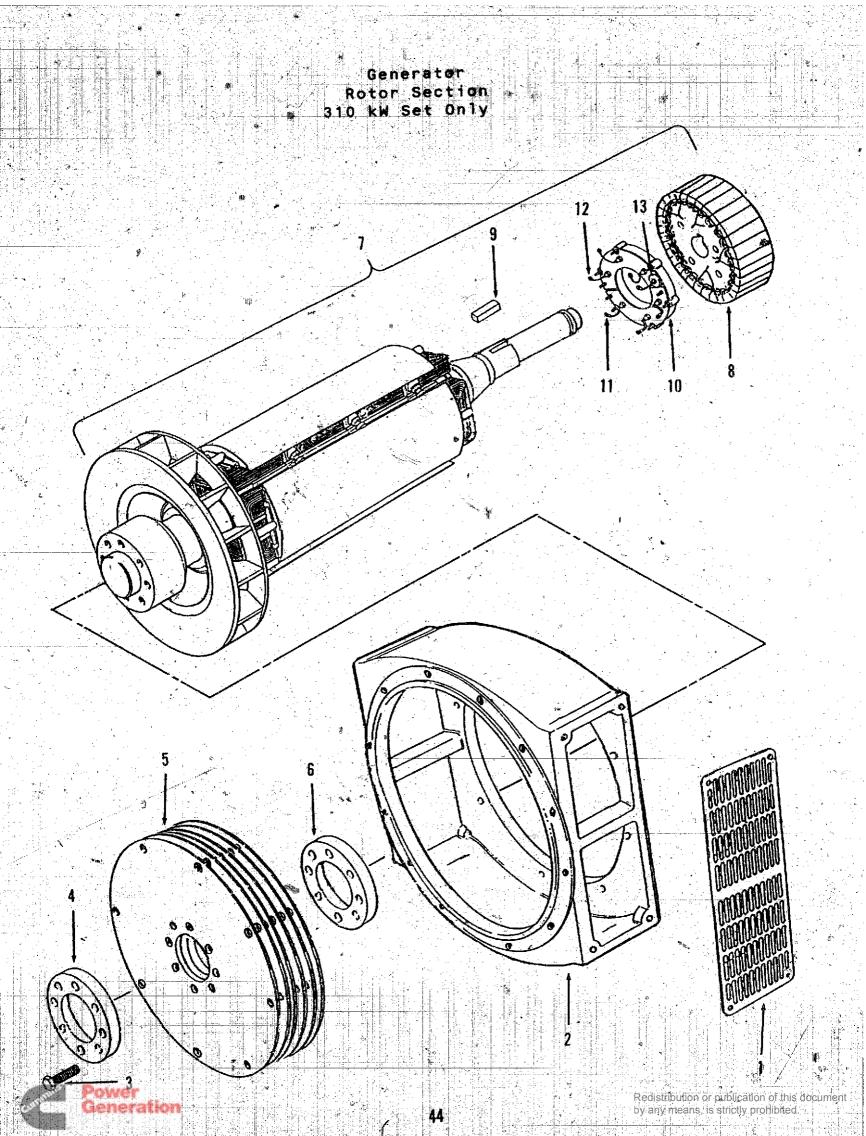
REF.	PART NO.	QTY USED	PART DESCRIPTION		PART NO.	QTY USED	PART DESCRIPTION
1	249-0371	. 2	Screen, Alexander	- 8	249-0336	1	Rotor, Exciter (Does Not
			Attaching Parts			78	Include Rectifier Assy)
	249-0294	8	Screw, Cap - Hex Head	9	249-0271	1	Key .
		. 1	(M5 x 12mm)	10	249-0340	1	Rectifier Assy, Forward
-	249-0307	8	Washer, Lock - Spring (MS)				(Includes Item 11 Diodes)
	249-0308	8		.11	249-0281	. 3	Diode, Forward Polarity
2	249-0369	. 1	Adapter, Generator (SAE1)	12	249-0341	1	Rectifier Assy, Reverse
3	249-0292	ั้ล็	Screw, Cap - Hex Head *		4+		(Includes Item 13 Diodes)
, . T .			(M16 /x 60mm)	13	249-0282	. З	Diode, Reverse Polarity
4	249-0402	. 1	Plate, Pressure	14	249-0283	1	Varister .
5	249-0328	3	Disc, Drive (SAE14)				Attaching Parts
6	249-0363	1	Spacer		249-0294	-2	Screw, Cap - Hex Head
7	NFS		Rotor, Generator (Includes			_	$(M5 \times 12mm)$
7	· · · · · · · · · · · · · · · · · · ·	*	Exciter, Key, and Rectifier				
			Assemplies)				



Generator ; Rotor Section 190,200,20,230,250,275,300,350 kW Sets Only

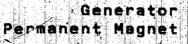
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	REF	PART	OTY	PART	REF	PART	OTY	PART
2.5	NO.		ÙSED	DESCRIPTION	NO.	NO.	USED,	DESCRIPTION
1	7,					*	i graje in origi Originalis	para promise (Taxtada)
i işi	i	249-0311	. 2	Screen, Air - Adapter		NFS	.	Rotor, Generator (Includes
				Attaching Parts	400	医乳腺性多性皮肤 医皮肤		Exciter, Key, and Rectifier
·		249-0294	12	Screw, Cap - Hex Head	1.0		: .	Assemblies)
	, J. 1			$(M5 \times 12mm)$	8	249-0321	1	Rotor, Exciter (Does Not
	2 2	249-0307	12	Washer, Lock - Spring (M5)		. *	*	Include Rectifier Assy)
		√249-03 6 5	€ 12	Washer, Flat (M5)	9	249-0271	1	Key
	" 2	24 9 -40436		Adapter, Generator SAE 1	10	249-0237	1 84	Rectifier Assy
	3 "	249-0293	8	Screw, Cap - Hex Head			Signa	(Includes Diodes)
			-	" (M20 × 65mm)	11	249-0239	3	Diode, Forward Polarity
• **	4	249-0230	1	Plate, Pressure	12	249-0238	3	Diode, Reverse Polarity
, i	. 5	249-0397	4	Disc, Drive SAE 14	13.	249-0240	1	Varister
	6	249~0396 *	· <u>a-j</u>	Spacer				

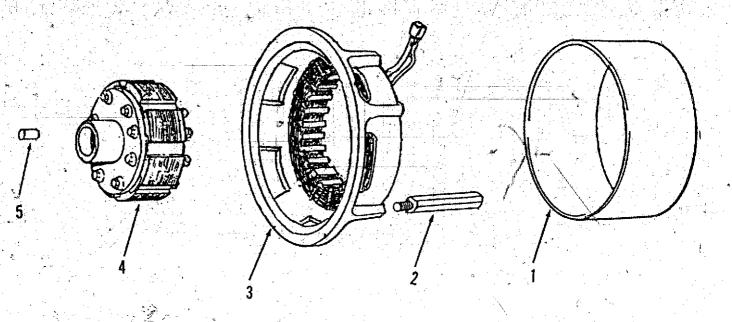




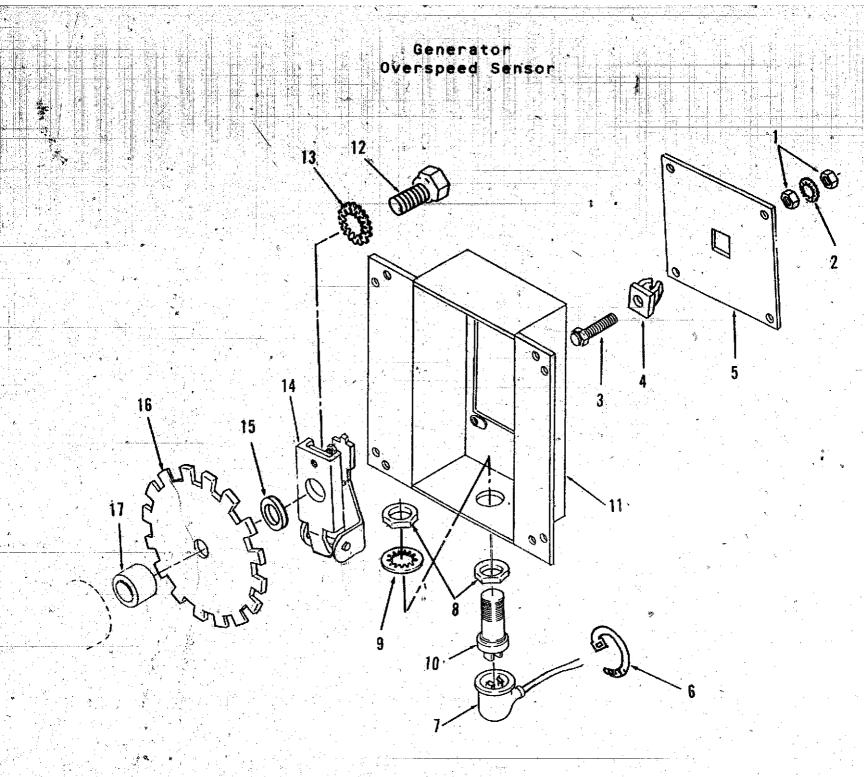
Generator | Rotor Section | 310 kW Set Only

	REF	PART	OTY	PART	REF PART	QTY -	PART
	NO.	NO.	USED	DESCRIPTION	• NO. NO.	USED	DESCRIPTION
	1	249-0408	2	Screen, Air - Adapter	7 NES	1	Rotor, Generator (Includes
				Attaching Parts			Exciter, Key, and Rectifier
		249-0294	12	Screw, Cap - Hex Head (M5 x 12mm)	8 249-0522	1	Assemblies) Rotor, Exciter (Does Not
٠		249-0307	12	Washer, Lock - Spring (M5)			Include Rectifier Assy)
		249-0365	12	Washer, Flat (M5)	9 249-0271	1	Key
	7.	249-0521	1	Adapter, Generator SAE 1	10 249-0237	1	Rectifier Assy
; ;-::::	3	249-0437	8	Screw, Cap - Hex Head	11 249-0239	• 3	(Includes Diodes) Diode, Forward Polarity
	4	249-0230	1.	Piate, Pressure	12 249-0238	ૂ 3	Diode, Reverse Polarity
	5 6	249-0397 249-0463	4	Dist, Drive SAE 14	13 249-0240		Varister



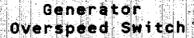


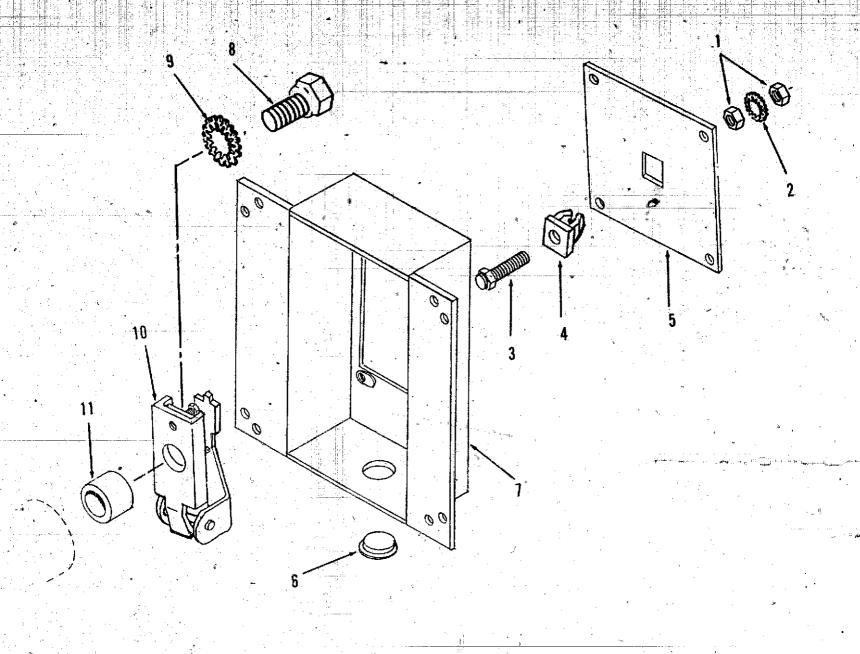
REF	PART NO.	OTY PART USED DESCRIPTION	*****	QTY . USED	PART DESCRIPTION
1	249-0497 249-0294	1 Cover 3 Scnew, Cap - Hex Head (M5 x 12mm)	4 249-0427 249-0644	1 Frame	
2 3	249-0307 249-0496 249-0426	3 Washer, Lock (M5) 3 Pillar, Threaded 1 Stator, Exciter with Fra	. 249-0399 ame 249-0202 5 249-0313	1 Bolt	er, Lock (M10)



REF NO.	and the second control of the second control	OTY PART USED DESCRIPTION)TY ISED	PART DESCRIPTION
1	862-0001	2 Nut, Hex (1/4-20)	9 85	4-0031	1 Wash	er. Lock - IT (3/4")
2	853-0013	1 Washer, Lock - EIT (1/4")	10 15	0-1406	1 Sense	or, Speed
3	150-0723	1 Point Overspeed	11 15	0-2207	1 Cover	r, Overspeed Switch
4	870-0250	1 Nut, Insulated	12 71	8-1058	1 Screv	w, Cap - Hex Head
5	150-2206	1 Plate, Mounting				0 x 1.5 x 45mm)
	821-0005	4 Screw, Self-locking - Hex	13 85	6-0010		er, Lock - EIT (3/8")
		$(#10-32 \times 1/2")$	14 15	0-0956		ch, Overspeed
6	*332-1445	5 Tie, Cable	15 37	0-4031	1 Space	er, Sleeve
7	338-2189-02	1 Harness, Wiring	16 15	0-2204	1 Whee	1 - Speed Sensor
8	868-0011	2 Nut Jam - Hex (3/4-16)	17 37	0-4032	1 Space	er, Sleeve
71						







REF	PART NO.	OTY PART USED DESCRIPTION	REF PART	QTY USED	PART DESCRIPTION
1 2 3 4 5	862-0001 853-0013 150-0723 870-0250 150-2206 821-0005	2 Nut, Hex (1/4-20) 1 Washer, Lock - EIT (1/4") 1 Point, Overspeed 1 Nut, Insulated 1 Plate, Mounting 4 Screw, Self-locking - Hex (#10-32 x 1/2")	6 517-0136 7 150-2207 8 718-1058 9 856-0010 10 150-0956 11 370-4032	1 Cover, 1 Screw, (M10 1 Washer 1 Switch	Plastic Overspeed Switch Cap - Hex Head x 1.5 x 45mm) , Lock - EIT (3/8") , Overspeed (5)

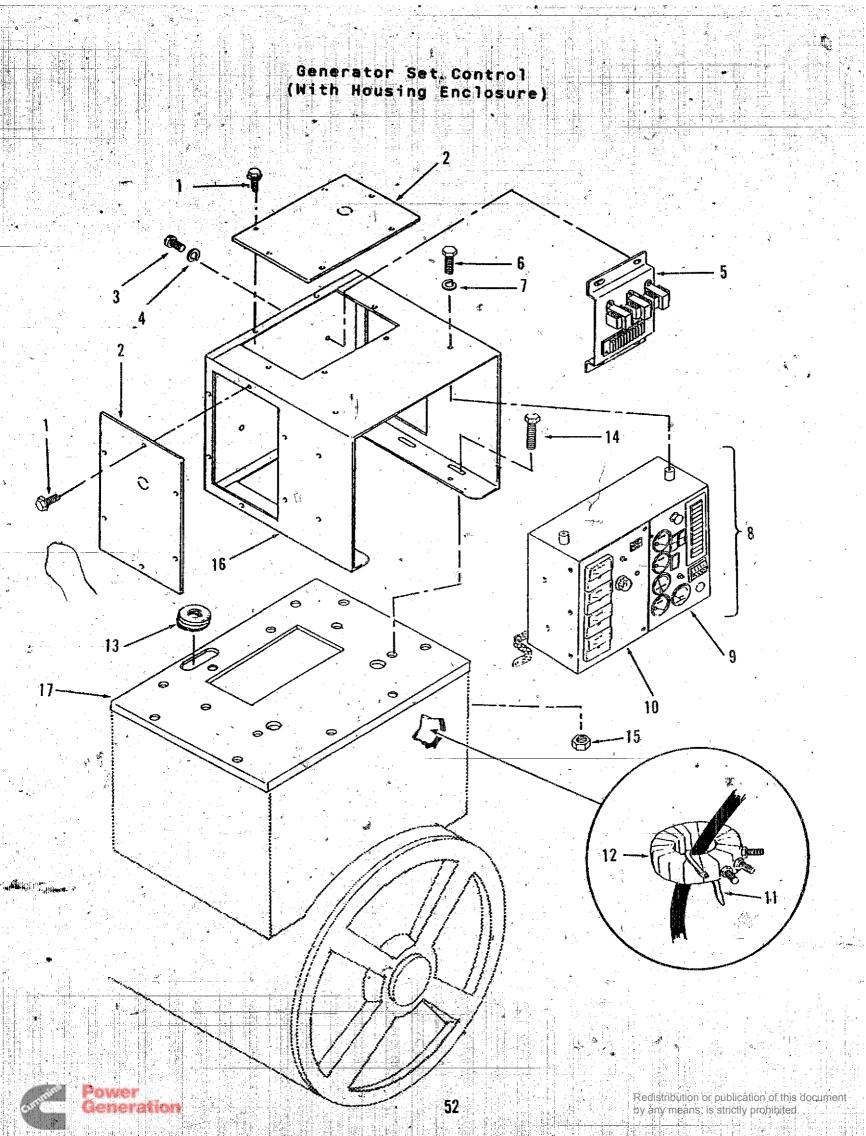


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SET CONTROLS

<u>경우생물은 경우를 하는 것이 많아</u> 아이는 것들까지 아이는 것이 하는 것이 있는 것이 되었다. 그는 것이 있다. 이 기를 다른 것이 되었다. 그는 것이 없는 것이 없는 것이 없다면 되었다. 그런 것이 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면	GRID
GENERATOR SET CONTROL (WITH HOUSING ENCLOSURE)	°C14
ENGINE CONTROL COMPONENTS (SETS WITH HOUSING ENCLOSURE)	D 2
GENERATOR CONTROL COMPONENTS (SETS WITH HOUSING ENCLOSURE)	D4
CONTROL HEATER (SETS WITH HOUSING ENCLOSURE)	D5
POTENTIAL TRANSFORMER (SETS WITH HOUSING ENCLOSURE	. D6
WATTMETER (SETS WITH HOUSING ENCLOSURE)	D8
GENERATOR SET CONTROL (WITHOUT HOUSING ENCLOSURE)	D10
ENGINE CONTROL COMPONENTS (SETS WITHOUT HOUSING ENCLOSURE)	D12
GENERATOR CONTROL COMPONENTS (SETS WITHOUT HOUSING ENCLOSURE)	D14



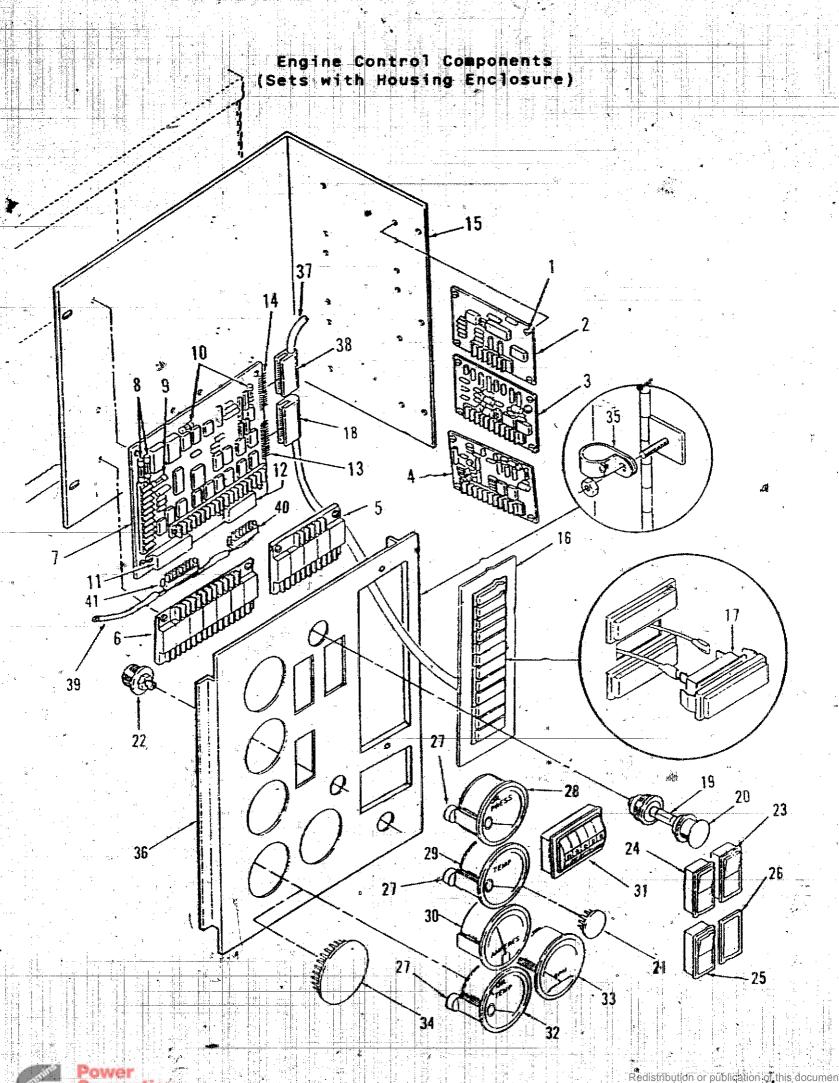


Generator Set Control (With Housing Enclosure)

REF NO.		QTY USED	PART DESCRIPTION	REF NO		QTY"	PART DESCRIPTION
1	821-0005	18	Screw, Self-locking - Hex (#10-32 x 1/2")		302-1795-05	3	125kW Voltage Code Z,
, 2	NFS	. 3	Panel, Box - Control [319-0077]		200 1004 00		175 & 200kW Voltage Code H, 350kW Voltage Code H.
3	812-0156	4	Screw, Machine - Round Head		302-1794-07	3	145,165,190kW Volt. Code Z, 150,175,200kW Volt. Code L,
4	850-0040	4	$(1/4-20 \times 1/2")$ Washer, lock - Spring $(1/4")$		302-1794-08	_ 3.	220kW Volt. Code Z 208/480V, 230kW Volt. Code L 208/480V
5	NFS	1	Transformer Assy, Potential (See Separate Page For	,	302-1794-09	. 3	220kW Voltage Code Z 380V
6	800-0051		Components) Screw, Cap - Hex Head				230kW Voltage Code L 380V, 250kW Voltage Code L
7	850-0045	À	$(5/16-18 \times 1/2")$		302-1794-10	3	275kW Voltage Code Z. 5 300kW Voltage Code L,
8	NES	i	Washer, Lock - Spring (5/16") Control, Set (See item 9 &		302-1794-11	3	310kW Voltage Code Z. 350kW Voltage Code L
9	NFS	1	10 for Components) (See Separate	13 14	508-0051 870-0212	1 6	Grommet Nut: Self-locking - Hex
10	NFS	1	Page for Components) Control, Generator (See Sep-	15	821-0018	6	Screw, Self-locking - Hex- Head (1/4-20 x 5/8")
11	332-0941	6	arate Page for Components) Tie, Cable	16 17	NFS	, 1	Housing, Control [301-3155] Adapter, Housing to Terminal
12	•		Transformer, Current - Recon-		NFS	1,	Вох
	302-1794-02 302-1794-03	3 3	150kW Voltage Code H 230kW Voltage Code H		- NI J	T	125/145kW Volt. Code Z. 150 & 175kW Volt. Code L.& H.
	302-1794-04	3	250 & 300kW Voltage Code H		NES	1 ,	[319-0011] 160 to 310kW Volt. Code Z.
,						r	200 to 350kW Volt. Code L. & H. [319-0012]

NFS - Not For Sale



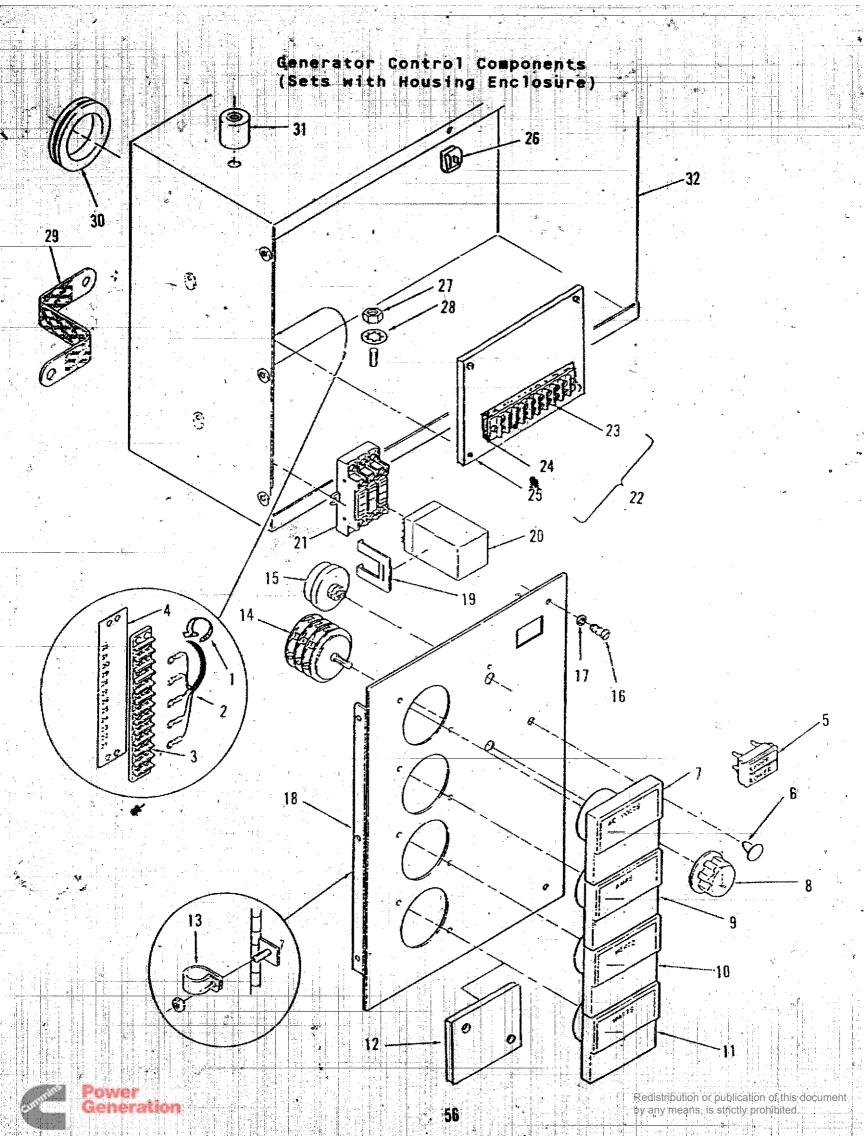


Engine Control Components (Sets with Housing Enclosure)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO		QTY USED	PART DESCRIPTION
1	815-0544	24	Screw, Machine - Round Head	.17	322-0369-02	12	Lamp. Incandescent - 1/3 Watt
			With IT Lock Washer	10	202 1212	-	28 VDC
			(#6-32_x 1/2")	18		1	Housing, 13 Pin (J3)
2	300-2899	1	Board, Time Delay,	10	323-1302	13 1	Contact, Pin
_			Start/Stop - 24 VDC (A15)	19	322-0017	T	Lamp, Incandescent - 28 VDC (DS11)
3			Board, Magnetic Sensor, Start Disconnect/Over Speed	20	322-0361	: 	Holder, Lamp
			Sensor (A16)	21	517-0131		Plug, Button
	300-2903	. 1	Standard	22	303-0280	. 1	Potentiometer (R11)
	300-2904	1	Precision	23	308-0785	· 1	Switch, Push (S11)
,	300-2904	1	Board, Over-Under Voltage	24	308-0784	i	Switch, Push (\$12)
**	200-2500	Τ.	Sensor - 24 VDC (A17)	26	301-6257	i	Cover
5	300-2856	1 `	Board, Relay - 24 VDC (A13)	27	193-0250	3	Resistor, Gauge (R12)
6	300-2863	1	Board, Relay - 24 VDC (A14)	28	193-0352	ī	Gauge, Pressure - Oil (M11)
° 7	000 2000	+	Board, Engine Monitor (A11)	- 29	193-0351	1	Gauge, Temperature - Water
	•		. (Includes Fuses and				(M12)
		£	Connectors)	30	302-1790	1	Ammeter (M13)
	300-2808	1 .	24 VDC, 2 Light	31	302-0885	1	Meter, Totalizing - Time
	300-2812	1	24 VDS, 12 Light				(M14)
8	321-0270	2	Fuse, Cartridge - 20 Amp (F1, F2)		815-0385	2	Screw, Machine - Round Head (#6-31 x 1/2")
9	321-0231	1	Fuse, Cartridge - 15 Amp (F3)		870-0183	2	Nut, Hex with ET Lockwasher * (#6-32)
10	321-0094	2	Fuse, Cartridge - 5 Amp (F4, F5)	32	193-0330	1	Gauge, Temperature - Oil (M15)
11	323-1305	1	Connector, 8 Pin (P1)	3 3	302-1873-01	. 1	Tachometer (M16)
	323-1303	1	Connector, 6"Pin (P2)	34	517-0221		Plug, Button
13	323-1309	, 1	Connector, 13 Pin (P3)		332-0052	1	Clamp, Loop
14	323-1307	ī	Connector, 12 Pin (P4)		870-0131	1	Nut, Hex with ET Lockwasher
	NFS	ī	Bracket, Mounting [301-8851]		•		$(#10-32 \times 1/2")$
	821-0004	4	Screw, Self-locking - Hex Hd	36	NFS		Door, Control [301-9055-01]
0			(#10-32 x 5/16")	37	338-1817	1	Harness, Wiring - DC Meter
16		•	"Module, Indicator - Fault				(Includes Connector & Pins)
	÷		(Includes replaceable lamps,	38	323-1308	1	Housing, 12 Pin (J4)
			Harness with connector		323-1302	12	Contact, Pin
		1	housing & contact pins)(A12)	39	338-2067	1	Harness, Wiring - Control to
•	322-0358-0	2 1	. 24 VDC, 2.Light				Engine (Includes Connectors
	322-0360-0	2 1	24 VDC, 12 Light				and Pins)
	815-0385	. 2	Screw, Machine - Round Head	40	323-1304		Housing, 6 Pin
•	and the second		(#6-32 × 1/2")		323-1200	6	Contact, Pin
	870-0183	2	Nut, Self-locking - Hex	41	323-1306	1	Housing, 8 Pin
	•		(#6-32)		323-1200	- 8	Contact, Pin

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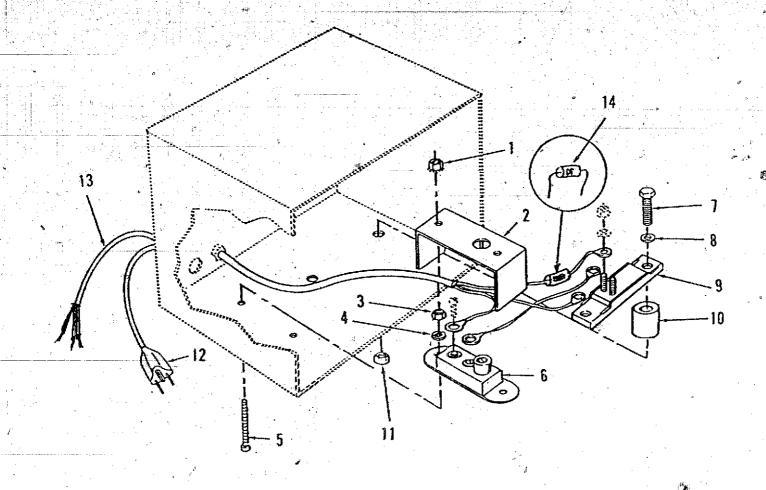
Generator Control Components (Sets with Housing Englosure)

	REF	PART		QTY	PART		PART	QTY	PART
	NO.	ŃO,		USED	DESCRIPTION	NO.	NO.	USED	DESCRIPTION
. *			- 141			44			
	1	332~1445		2		13	332-0052 870-0131	1	Clamp, Loop Nut, Self-locking - Hex with
	2	1010	:-1	•	Harness, Wiring		910-0131	1	ET Lock Washer (#10-32)
		338-1818		1	Control with Meters	14	308-0284	1	Switch, Rotary (\$21)
		222 1252	٠.		(Includes Terminal Block)		303-0261	1	Rheostat (R21)
		338-1853	:	1	Control without Meters Screw, Machine - Round Head				Clip Fastener
	.:	812-0065		, 4	(#6-32 × 5/8")		406-0333	2	Stud, Fastener
	~	222 2222		· <u></u>	Block, Terminal (TB1)		NFS	1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Door, Control [301-9054-01]
	3	3 32-0607 332-2723		1 .	Strip, Marker	10	821-0004	3	Screw, Self-locking - Hex
	- L	322-2723		1 1.	Light, Indicator - Dual		OZI COO	er 💉 💆 orien	(#10-32 × 5/16")
-	° D	322-0303	16	1.	(DS21, DS22)	19	307-1987	2	Clip, Relay
	۵	517-0131		1	Plug, Button	20	307-1056	" i Î	Relay, 24 VDC (K21)
	5	311-0131,	Г.	. 1	Voltmeter (M21)	21	323-0804	- ' i	Socket, Relay
	,	302-1148	1	-1	Dual Scale 0-300/0-600V	~ ^	815-0544	2	Screw, Machine - Round Head
		302-1753		1	Single Scale 0-750V			-	with IT Lock Washer
	'n	303-0032		1	Knob				$(#6-32 \times 1/2")$
,	9	302 5002			Anmeter (M22)	22	NF5	1 -	Terminal Board Asembly
: '	•	•			Single Scale Voltage Code H		812-0065	4.	Screw, Machine - Round Head
		302-1176		1	125kW, 0-200 Amp				(#6-32 x 5/8")
	'	302-1761		ī	175 & 200kW, 0-250 Amp	23	332-0751	1	Block, Terminal
		302-1686		ī	230kW, 0-300 Amp		812-0066	2	Screw, Machine - Round Head
		302-1687	4	1	250 & 300kW, 0=400 Amp				(#6-32 × 3/4")
		302-1730		1	350kW, 0-500 Amp	24	33 2-085 3	1	Strip, Marker
					Dual Scale Volt. Codes L & Z	25	NFS	1	Plate [301-9855]
		302-1724		1	125kW, 0-250/0-500 Amp	26	406-0332	2	Receptacle, Fa stene r
		302-1725		1	145 thru 200kW,0-375/0-750 Amp	27	871-0015	1	Nut, Hex (1/4-20)
		302-1726		. 1	220 & 230kW, 0-400/0-800 Amp	28	853-0013	1	Washer, Lock - ET (1/4")
		302-1727		1	250 & 275kW, 0-500/0-1000 Amp	29	337-0049	1	Strap, Electrical (Ground)
		302-1728		1	300 & 310kW, 0-600/0-1200 Amp		800-0024	1	Screw, Cap - Hex Head
		302-1729		1	350kW, 0-750/Qt1500 Amp	-		•	(5/16-18 × 1/2")
	10	302-1720		1	Meter, Frequency (M23)		856-0008	1	Washer, Lock - EIT (5/16")
•	11	·		1	Wattmeter (M24) (See	30	508-0051	1	Grommet
					Separate page for Components)	31	402-0527	2	Mount, Vibration
•	12	NFS		1	Cover, Meter Hole		800-0051	.4	Screw, Cap - Hex Head
		815-0385		-2	Screw, Machine - Round Head,			•	(5/16-18 x 1/2")
			-		Black (#6-32 x 1/2")		850-0045	4	Washer, Lock - Spring
		870-0183		, 2	Nut, Hex with ET Lockwasher			. 4	(5/16")
					(#6-32)	32	NES	_ 1	Box, Control [301-8065]

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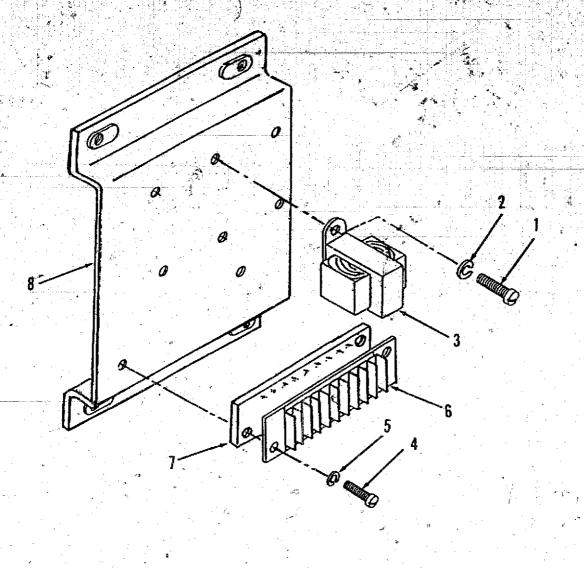
Control Heater Sets with Nousing Enclosure)



REF NO	PART QTY NO. USED	PART DESCRIPTION,	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	870-0183 2	Nut. Self-locking - Hex (#6-32)	9	333-0151	1	Heater, Electrical 120VAC 240VAC
2	301-1886 1 860-0006 1	Cover Nut. Hex (#6-32)	10	333-0378 130-1107	2	Spacer Nut, Self-locking - Hex
·	854-0006 2 812-0070 2	Washer, Lock - IT (#6) Screw, Machine - Round Head		870-0257 335-0161	1	(5/16-18) Cable, Electrical (120VAC
6	309-0128 1	(#6-32 x 1-1/4") Thermostat. Adjustable		338-2121	1	Application) Harness Wiring with
7	800-0034 2	Screw, Cap - Hex Head (5/16-18 x 2-1/4")	, 13	JJO ZIEL	•	Diode, less plug (240VAC Application)
8	526-0113 2	Washer, Flat (5/16")	14 15	357-0013 98-3232	. 1	Diode Decal, Warning - Shock Hazard
						(Not Illustrated)



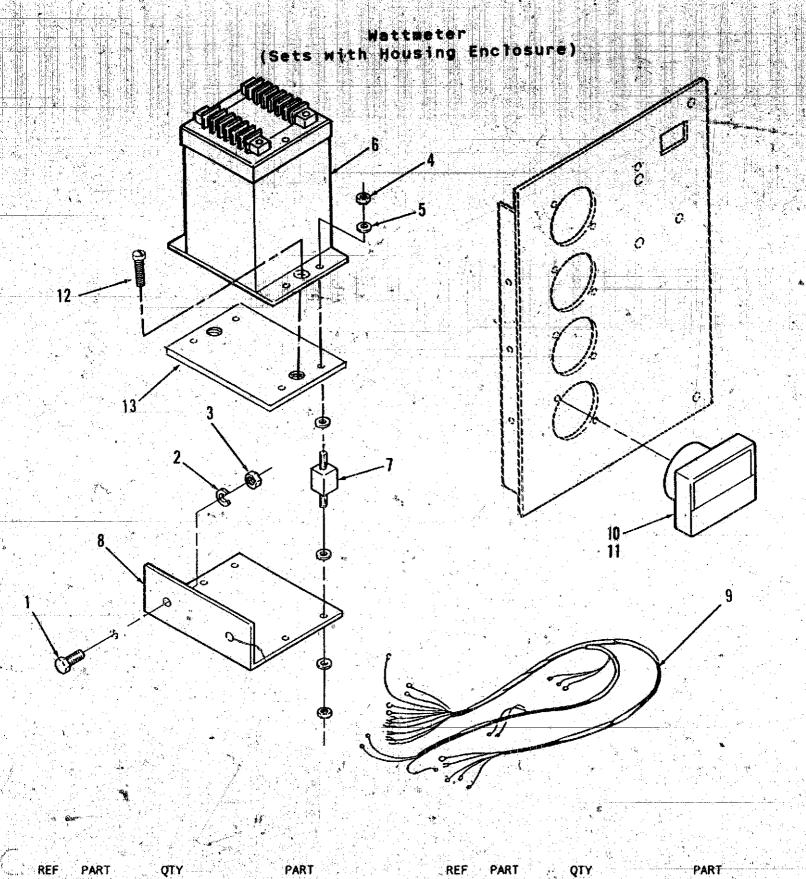




REF	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2	812-0079 850-0025 315-0642	6 6 3	Screw, Machine - Round Head (#8-32 x 1/2") Washer, Lock - Spring (#8) Transformer, Potential	6 7	850-0025 332-2562 332-2563 NFS	1 1	Washer, Lock - Spring (#8) Block, Terminal (10 Place) Strip, Marker Bracket, Mounting
4	812-0077	 2	Screw, Machine - Round Head (#8-32 x 3/8")			\$ ** ** ** ** ** ** ** ** ** ** ** ** **	

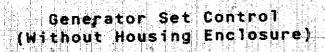
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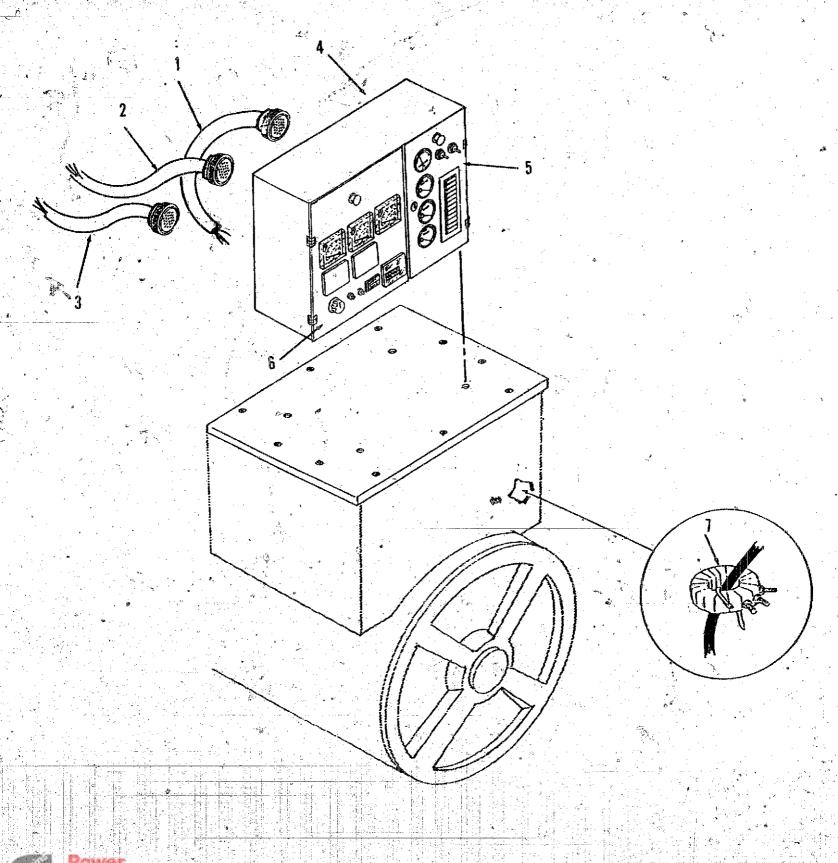




	REF	of the said the said the said	QTY	PART	REF		QTY USED	PART
	NO.	NO.	USED	DESCRIPTION	NO.	NO.	USED	DESCRIPTION
	1	821-0017	2	Screw, Cap - Hex Head	11.		Dial.	Wattmeter
				$(5/16-18 \times 1/2")$		302-1721-06	1 Sca	le 0-160 kW
	2	850-0045	2	Washer, Lock (5/16)		302-1721-07	1 Sca	le 0-180 kW
	3	862-0014	2	*Nut / Hex (5/16-18)		302-1721-08	:1 Sca	le 0-200 kW
-44-	4	860-0008	8	Nut Hex (#8-32)		302-1721-09	l Sca	le 0-250 kW
	5	856-0002	16	Washer, Lock - ET (#8)		302-1721-10	1. Sca	le 0-300 kW
	6	302-1833-0	1 1 1	- Transducer, Watt		302-1721-11	1 Sca	le 0-350 kW
	7	402-0354	- 1 4	Mount Shock		302-1721-12	1 Sca	le 0-400 kW
	5 E 1 h	301-6987	14	Bracket Mounting	12	813-0102		Machine - Round Head
	1111	338-1936		Harness Wiring	ah Hiji ta IP:		1 (1) (2) (1) (1) (2) (2) (3) (4)	-32 × 3/8")
	- C. Seal	302-1722	I	Wattmeter (Less Dial)	13	319-0030	さった あたたた とんきの 不らり	, Support - Transducer
/H (5)		- Fower.		医环境性动物性动脉搏动性小线	48、14年代1961年第2		Redi	stribution or publication of this docum

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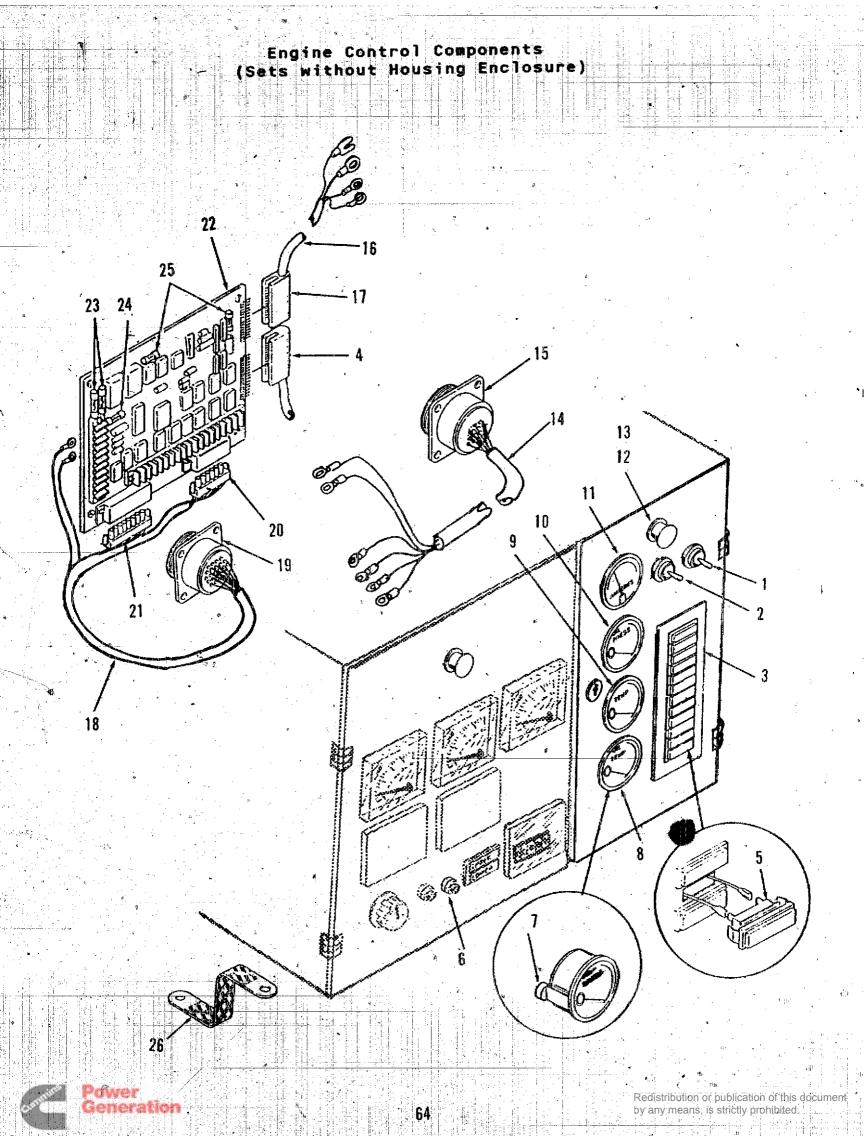


Generator Set Control (Without Housing Enclosure)

REF	PART	QTY	PART	REF	PART	QTY	PART
NO.	NO.	USED	DESCRIPTION	NO.	NO.	USED	DESCRIPTION
1	338-2201-01	1	Harness, Wiring - Control to	7			Transformer, Current (Select
	, 이러 및 프로막스티		Generator (Includes a				As Applicable)
			connector Housing)	4	302-1785-01	3	1200:5 Ratio
2	323-1135	1	Housing, Connector (J21)		302-1785-02	3	1500:5 Ratio
÷.,	323-1193	4	Contact, Pin		302-1785-03	3	1600:5 Ratio
÷,	323-1194	10	Contact, Pin		302-1785-04	3	2000:5 Ratio
÷2	338-2195-01	1	Harness, Wiring - Control to	1.0	302-1785-05	3	2500:5 Ratio
4			Governor (Includes a		302-1785-06	3	2000:5 Ratio (380V Only)
		in a series	connector housing)	·	302-1785-07	3	3000:5 Ratio
	323-1135	1	Housing, Connector (J12)		302-1785-08	3	4000:5 Ratio
	323-1193	4	Contact, Pin	200	302-1785-09	3	5000:5 Ratio
	323-1194	10	Contact, Pin		302-1786-01	3	500/1000:5 Ratio
' 3	338-2190-01	1	Harness, Wiring - Control to		302-1786-02	. 3	600/1200:5 Ratio
			Engine Components (Includes		302-1786-03	3	750/1 500:5 Ratio
		-	a connector housing)		302-1786-04	3	800/1600:5 Ratio
•	323-1206	1	Housing, Connector (J11)		302-1786-05	3	900/1800:5 Ratio
	323-1194	20	Contact, Pin		302-1786-06	3	> 1000/2000:5 Ratio
4	NFS	1	Control, Set (See item 5 &		302-1786-07	3	1200/2400:5 Ratio
			6 for Components)	,	302-1786-08	. 3	250/500:5 Ratio
			Attaching Parts for Control	` ;	302-1786-09	. 3	300/600:5 Ratio
	402-0527	4	Mount, Vibration		302-1786-10	3	400/800:5 Ratio
	800-0051	. 8	Screw, Cap - Hex Head		302-1786-11	3	375/750:5 Ratio
			$(5/16-18 \times 1/2")$		302-1786-12	3,	75/150:5 Ratio
	1850-0045	8 &	Washer, Lock - Spring		302-1786-13	3	100/200:5 Ratio
		C 3	(5/16")	100	302-1786-14	3	150/300:5 Ratio
5	NFS	1	Control, mayine (See Separate		302-1786-15	- 3	200/400:5 Ratio
6	and the second s	٠ 1	Control, Generator (See Sep-	ŧ	302-1786-16	3	1500/3000:5 Ratio
			arate Page for Components)				to a constant of the second

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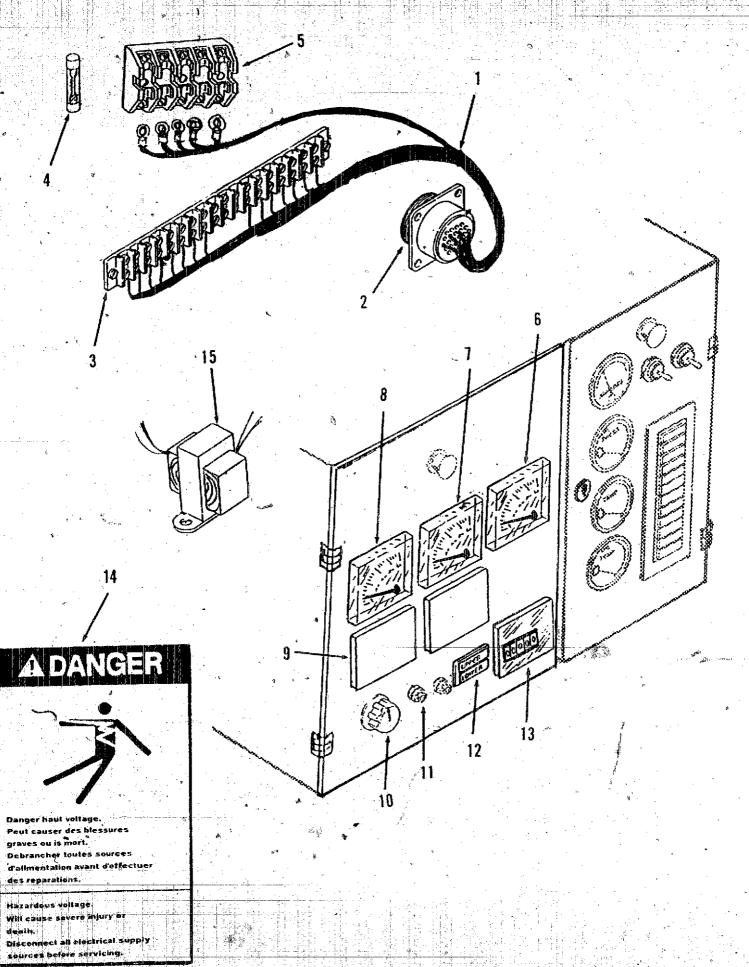


Engine Control Components (Sets without Housing Enclosure)

REF NO	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	308-0625	1	Switch, Push (\$12)		323-1134	1 4	Housing, Connector (P12) Contact, Socket
			[Run/Stop/Remote]		323-1192	10	Contact, Socket
2	3 0 8-0900	1	Switch, Push (\$11)			2	Key
	•		[Reset/Panel Light]	16	338-1817	1	Harness, Wiring - Engine
3	After the second		Module, Indicator - Fault	10	330 1011	. 1	Monitor Board to Meters
	×.		(Includes Harness with a		•		(Inculdes Connector Housing)
	· · · · · · · · · · · · · · · · · · ·		Connector Housing & Contact	. 17	323-1308	1	Housing, Connector (J4)
			Pins, Replaceable Lamps)		323-1302	15	Contact, Pin
р.			(A12)	18	323 1002		Harness, Wiring - Engine to
. 1	322-0358-02	1	24 VDC, 2 Light	,	4.5		Engine Monitor Board
	322-0360-02	1	24 VDC, 12 Light Attaching Parts for Module				(Includes Connector Housings.
•	045 0005	•	Screw, Machine - Round Head				Terminals and Contacts)
	815-0385	2	(#6-32 × 1/2")		338-2241-01	1	Control with 2 Light Module
	070 0100	2	Nut, Self-locking - Hex	•	338-2200-01	1	: Control with 12 Light Module
•	870-0183	4	(#6~32)	19	323-1207	1	Housing, Connector (P11)
	000 1010		Housing, Connector (J3)	•	323-1195	22	Contact, Socket
4	323-1310	1	Contact, Pin		323-1190	1	Key
_	323-1302 322-0369-02	, 13 1	Lamp, Incandescent - 1/3 Watt	20	323-1304	1	Housing, Connector (J2)
5	322-0309-02	1	28 VDC		323-1200	6	Contact, Pin
_	202.0200	1	Rheostat - Speed Control	21	323-1306	1	Housing, Connector (J1)
44 ¹⁷ - → C	303-0289	. 1	(R23)		323-1200	8	Contact, Pin
F7	193-0250	3	Resistor, Gauge	22	- 1,		Board, Engine Monitor (All)
7	193-0250	J	(R11,R12,R15)				(Includes Fuses)
	193-0330	1	Gauge, Temperature - Oil,	•	300-2808	1	24 VDC, 2 Light
8	182-0330	1	12 VDC (M15) or		300-2812	1	24 VDC, 12 Light
:1-	302-1715	1	Tachometer (M16) or	23	321-0270	2	Fuse, Cartridge - 20 Amp
	302-1713	1	Gauge, Blank				(F1, F2)
0	193-0351	1	Gauge, Temperature - Water,	24	321-0231	1	Fuse, Cartridge - 15 Amp
9	193-0331		12 VDC (M12)				(F3)
10	193-0352	1	Gauge, Pressure - Oil,	25	321-0094	2	Fuse, Cartridge - 5 Amp
Ϋ́	130 0002	*	12 VDC (M11)				(F4, F5)
11	302-1790	1	Ammeter (M13)				Attaching Parts for Module
12	322-0017	ī	Lamp, Incandescent - 28 VDC		815-0544	4	Screw, Machine - Round Head
12	OLE 0021	-	(OS10, DS11)		,		With IT Lock Washer
13	322-0361	- 2	Holder, Lamp		* .		$(#6-32 \times 1/2")$
14	022 0001		Harnèss, Wiring - Governor		337-0049	1	Strap, Electrical - Ground
1.4	i		to Speed Control & Tachometer	•			and the co
		. "•	(Includes Connector Housing)		•		- The S
•	338-2279-01	1	Control with 2 Light Module	>			
	338-2290-01		Control with 12 Light Module	•	•		



Generator Control Components/ (Sets without Housing Enclosure)





Generator Control Components° (Sets with Housing Enclosure)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.		, QTY USED	PART DESCRIPTION
1			Harness, Wiring (Includes		302-1839-09	1	0-300/0-600 Amp
		P	Connector and Terminal		302-1839-10	1	0-400/0-800 Amp
		5 1	Strip)		302-1839-11	1	0-375/0-750 Amp
	338-2280-01	1	Sets with 12 Lead Generator	٠.	302-1839-12	1	0-75/0-150 Amp
	338-2281-01	1.	Sets with 6 Lead Generator	-	302-1839-13	1	0-100/0-200 Amp
2	323-1134	1	Housing, Connector (P21)	4 .	302-1839-14	ī	0-150/0-300 Amp
	323-1192	[*] 4	Contact, Socket		302-1839-15	. 1	0-200/0-400 Amp
	323-1195	10	Contact, Socket		302-1839#16	1-	0-1500/0-3000 Amp
	323-1190	1 .	Key		302-1839-17	1	0-2000/0-4000 Amp
3		1	Terminal, Strip (18 Place)		302-1840-01	1	0-1200 Amp
4	321-0293	:5	Fuse F1 thru F5		302-1840-02	1	0-1500 Amp
5	321-0294	1	Holder, Fuse		302-1840-03	1	0-1600 Amp
. 6	302-1842	1	Meter, Frequency (M23)		302-1840-04	1	0-2000 Amp
7	302-1841-03	1. №	Voltmeter (M21)		302-1840-05	1	0-2500 Amp
8			Ammeter (M22)		302-1840-07	1	0-3000 Amp
			Dual Scale		302-1840-08	1	0-4000 Amp
	302-1839-01	1	0-500/0-1000 Amp		302-1840-09	1.	0-5000 Amp
	302-1839-02	1	0-600/0-1200 Amp	9	302-1849	2	Meter, Blank
	302-1839-03	1	0-750/0-1500 Amp	10	308-08B3	1	Switch, Rotary (S21)
	302-1839-04	1	0-800/0-1600 Amp	11	303-0287	1 -	Rheostat (R21)
	302-1839-05	1	0-900/0-1800 Amp	12	322-0363	1	Light, Indicator - Dual
	302-1839-06	. 1	0-1000/0-2000 Amp				(DS21, DS22)
	302-1839-07	.1	0-1200/0-2400 Amp	13	302-1850	1	Meter, Time Totalizing (M14)
	302-1839-08	1	0-250/0-500 Amp	14	98-5724	2	Decal (Warning)
	h	-cont-	,	15	315-0664	3	Transformer, Potential (T21 - T23)

