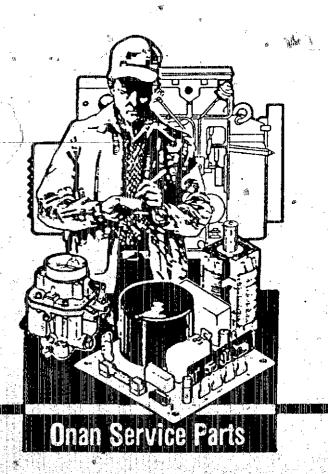


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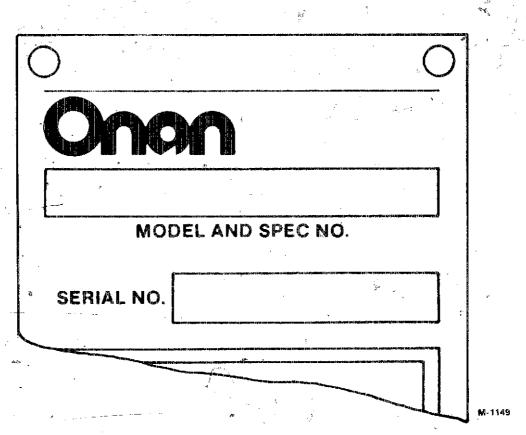
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General Information

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 Onan nameplate.



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



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Gauge, Pressure - OilB14Switch, OverspeedB7Gauge, Temperature - OilB14Switch, Pressure - Lo. OilA6Gauge, Temperature - WaterB14Switch, Push - Reset/PanelB14GeneratorB2Switch, Push - Run/Stop/RemoteB14Governor, ElectronicA10Switch, Rotary - Generator ControlC2Guard, BeltA12Switch, Temperature - Hi WaterA6Guard, FanA12Switch, Temperature - Pre WaterA6Harness, Wiring - Control (AC)C2Thermostat, Heater - WaterB1Harness, Wiring - Control (DC)B14Transformer, CurrentB12Harness, Wiring - Control To EngineB10Transformer, PotentialC4Heater, Coolant - EngineA11Valve, Drain - OilA6Hose, RadiatorA12A12Switch, ControlA6	**	Gasket, Drain 🔶 Oil	A6 .	Stator, Generator	B4
Gauge, Temperature - OilB14Switch, Pressure - Lo, OilA6Gauge, Temperature - WaterB14Switch, Push - Reset/PanelB14GeneratorB2Switch, Push - Run/Stop/RemoteB14Governor, ElectronicA10Switch, Rotary - Generator ControlC2Guard, BeltA12Switch, Temperature - Hi WaterA6Guard, FanA12Switch, Temperature - Pre WaterA6Harness, Wiring - Control (AC)C2Thermostat, Heater - WaterB1Harness, Wiring - Control (DC)B14Transformer, CurrentB12Harness, Wiring - Control To EngineB14Transformer, PotentialC4Heater, Coolant - EngineA11Valve, Drain - OilA6Hose, RadiatorA12A12Switch, Rotary - Bit, CarrentB14	•		B14	Switch, Overspeed	B7
Gauge, Temperature - WaterB14Switch, Push - Reset/PanelB14GeneratorB2Switch, Push - Run/Stop/RemoteB14Governor, ElectronicA10Switch, Rotary - Generator ControlC2Guard, BeltA12Switch, Temperature - Hi WaterA6Guard, FanA12Switch, Temperature - Yere WaterA6Harness, Wiring - Control (AC)C2Thermostat, Heater - WaterB1Harness, Wiring - Control (DC)B14Transformer, CurrentB12Harness, Wiring - Control To EngineB14Transformer, PotentialC4Heater, ControlB10Heater, PotentialC4Hose, Drain - OilA6VoltmeterB14	-		B14		5 A6 🦉
GeneratorB2Switch, Push - Run/Stop/RemoteB14Governor, ElectronicA10Switch, Rotary - Generator ControlC2Guard, BeltA12Switch, Temperature - Hi WaterA6Guard, FanA12Switch, Temperature - Pre WaterA6Harness, Wiring - Control (AC)C2Thermostat, Heater - WaterB1Harness, Wiring - Control (DC)B14Transformer, CurrentB12Harness, Wiring - Control To EngineB14Transformer, PotentialC4Heater, ControlA11Valve, Drain - OilA6Hose, Drain - OilA6VoltmeterB14, C2			B14	Switch, Push - Reset/Panel	B 14
Guard, BeltA12A12Switch, Temperature - Hi WaterA6Guard, FanA12Switch, Temperature - Pre WaterA6Harness, Wiring - Control (AC)C2Thermostat, Heater - WaterB1Harness, Wiring - Control (DC)B14Transformer, CurrentB12Harness, Wiring - Control To EngineB14Transformer, PotentialC4Heater, ControlB10B10Valve, Drain - OilA6Hose, Orain - OilA6VoltmeterB14, C2			B2	Switch, Push - Run/Stop/Remote	* B14
Guard, FanA12Switch, Temperature - Pre WaterA6Harness, Wiring - Control (AC)C2Thermostat, Heater - WaterB1Harness, Wiring - Control (DC)B14Transformer, CurrentB12Harness, Wiring - Control To EngineB14Transformer, PotentialC4Heater, ControlB10B10C4Heater, Coolant - EngineA11Valve, Drain - OilA6Hose, Drain - OilA6VoltmeterB14,C2		Governor, Electronic	A10		C2
Guard, FanA12Switch, Temperature - Pre WaterA6Harness, Wiring - Control (AC)C2Thermostat, Heater - WaterB1Harness, Wiring - Control (DC)B14Transformer, CurrentB12Harness, Wiring - Control To EngineB14Transformer, PotentialC4Heater, ControlB10B10C4Heater, Coolant - EngineA11Valve, Drain - OilA6Hose, Drain - OilA6VoltmeterB14,C2		Guard, Belt	A12 · · ·		
Harness, Wiring - Control (DC)B14Transformer, CurrentB12Harness, Wiring - Control To EngineB14Transformer, PotentialC4Heater, ControlB10B10C4Heater, Coolant - EngineA11Valve, Drain - OilA6Hose, Drain - OilA6VoltmeterB14, C2			A12	Switch, Temperature -: Pre Water	° ₩6
Harness, Wiring - Control (DC)B14Transformer, CurrentB12Harness, Wiring - Control To EngineB14Transformer, PotentialC4Heater, ControlB10B10C4Heater, Coolant - EngineA11Valve, Drain - OilA6Hose, Drain - OilA6VoltmeterB14, C2		Harness Wiring - Control (AC)	C2	Thermostat, Heater - Water	B1
Harness, Wiring - Control To Engine B14Transformer, PotentialC4Heater, ControlB10Heater, Coolant - EngineA11Hose, Drain - OilA6Hose, Drain - OilB10Hose, RadiatorA11					
Heater, Control Heater, Coolant - Engine A11 Valve, Drain - Oil A6 Hose, Drain - Oil A6 Voltmeter B14,C2 Hose, Radiator A12					C4
Heater, Coolant Engine A11 Valve, Drain - Oil A6 Hose, Drain - Oil A6 Voltmeter B14,C2 Hose, Radiator A12				•	
Hose, Drain - Oil A6 Voltmeter B14,C2 Hose, Radiator A12				Valve, Drain - Oil	A6
Hose, Radiator A12					B14, C2
			A12		
			B14	Wattmeter	C3
	. v	· · · · · · · · · · · · · · · · · · ·		¢ ¢ *	

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Introduction

This Parts Manual applies to the Standard Gen Sets Listed below. The illustrations are arranged in groups of related 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 interchangemble between models.

These typical illustrations are subject to change and reflect only the latest replacement 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
60.0 DTDA/DXDA ~ */ # 0 80.0 DTDA/DXDA - */ # 0 85.0 DTDB/DXDB - */ # 0 100.0 DTDB/DXDB - */ # 0	60,000 WATTS 80,000 WATTS 85,000 WATTS 100,000 WATTS	1500 RPM 1800 RPM 1500 RPM 1800 RPM	24 VDC 24 VDC 24 VDC 24 VDC 24 VDC

Electrical Data Table

*VOLTAGE CODE	VOLTS	HERTZ	WIRE	PHASE	NOTES
H.	347/600	60	4	3	
 ····· L	120/208 127/220 139/240 240/416 254/440 277/480	60 60 60 60 60 60	12 12 12 12 12 12 12 12	3 3 3 3 3 3 3	•
Ζ	110/190 115/200 120/208 127/220 220/380 230/400 24 0/ 416 254/440	50 50 50 50 50 50 50 50	12 12 12 12 12 12 12 12 12 12 12	3 3 3 3 3 3 3 3 3 3	

- 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

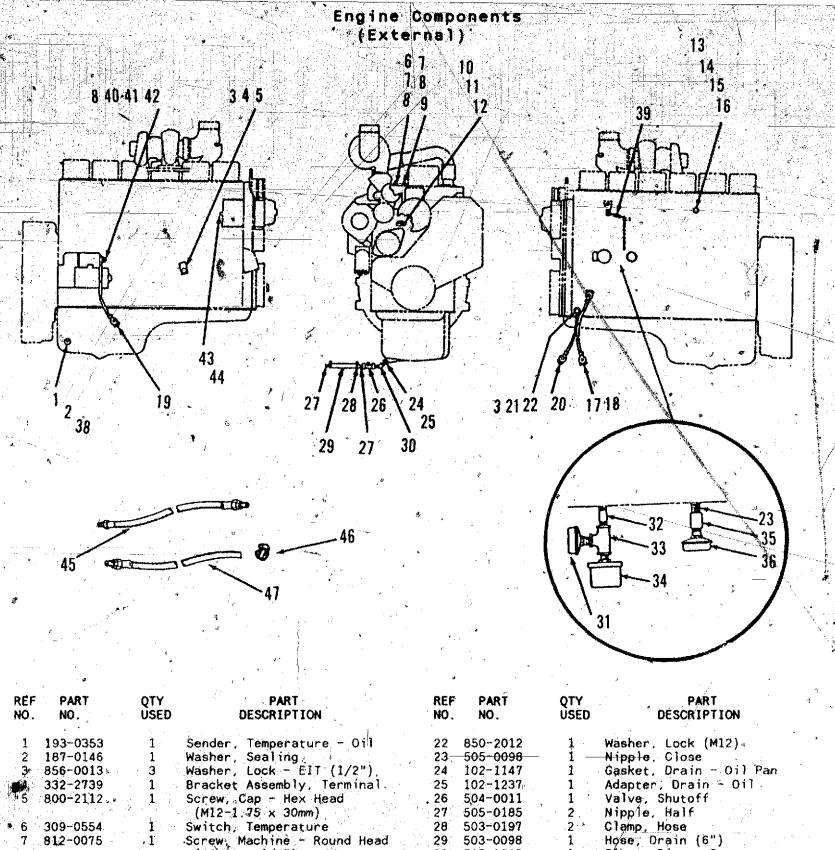
major manufacturing changes.

The Stators are Reconnectible.

Engine Replacement Parts

The Engine replacement parts can be ordered from the Cummins Engine Distributer except those parts modified or added during the Gen Set Assembly. When ordering engine parts, refer to the Engine Data plate and supply the Model, Serial, and CPL numbers. For assistance in ordering the Engine replacement parts, contact the nearest Cummins Engine Distributor on the Supplier from whom you purchased the Generator Set.

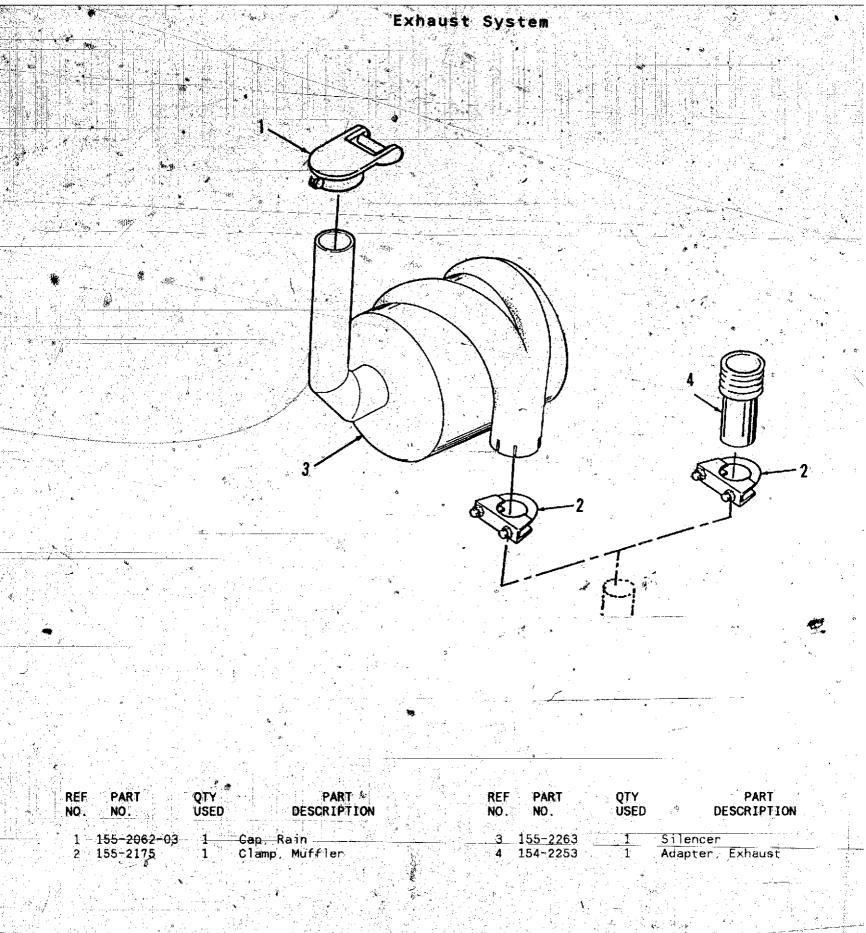




2	187-0146	1	Washer, Sealing	23-	-505-0098 1 -	Nipple, Close
3 *	856-0013	3	Washer, Lock - EIT (1/2"),		102-1147 1	Gasket, Drain - Oil Pan
	332-2739	. 1 .	Bracket Assembly, Terminal	25	102-1237 ₀ 1	Adapter; Drain 🕆 Oil
	800-2112	1	Screw, Cap - Hex Head	. 26	504-0011 1	Valve, Shutoff
			(M12-1.75 x 30mm)	27	505-0185 2	Nipp/ie, Half
* 6	309-0554	1	Switch, Temperature	28	503-0197 2	Clamp, Hose
~ 7	812-0075	-1	Screw, Machine - Round Head	29	503-0098 1	Hose, Drain (6")
· · ·		a de la composition	(#8-32 × 1/4")	30	505-0248 1	Elbow, Pipe - Street
· 8	850-0025	2	Washer / Lock (#8) // /// // //		309-01691	Switch, Pressure - Oil
. 9	309-0553	1	Switch, Temperature		505-0104 1	/Nipple, Pipe - Short
10	800-2060		Screw, Cap - Hex Head	33	505-0059 1 /	Tee, Pipe - Black the second second
:		n na sasang Si kalag	(M8-1.25 × 35mm)	34	193-0244 1/	Sender, Pressure - Oil
	850-2008	1	Washer, Lock (M8)		505-0026 1	Coupling, Ripe
	_309-0269	1	Switch, Temperature		309-0272	Switch, Pressure ~ Dil
13	193-0375	1	Sender, Temperature	-38	505-1373	Bushing, Reducer
14	526-0008	2	Washer, Flat (#10)		145-0596 / 1	Spring, Extension - Throttle
15	850-0030	1 *	Washer, Lock (#10)		871-0028 / 1	Nut, Hex (3/8-16)
16	871-0010	1	Nut. Cap - Hex Head (#10-32)	e e 141 e	850-0050 1	Washer, Lock - Spring (3/8")
17	416-0446	1	Cable, Battery (9")	42	860-0008 1	- Nut, Hex (#8-32)
18	332-0941	2	Tie, Cable		115-0025 1	Nut, Hex (1/4-28)
19	416-0444		Cable Battery (44")	44	850+0040 1	Washer, Lock - Spring (1/4")
20	416-0893	1 1 1	Cable, Battery (10")	45	501-0441	Line, Fuel - Flex (Fuel In)
21	800-2110	- 1	Screw, Cap - Hex Head		<u> </u>	Clamp, Hose
			(M12-1.75 × 20mm)	47 *	501-0502 1	Line, Fuel - Flex (Fuel Out)
	Daniera P			in a start and		

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Generation

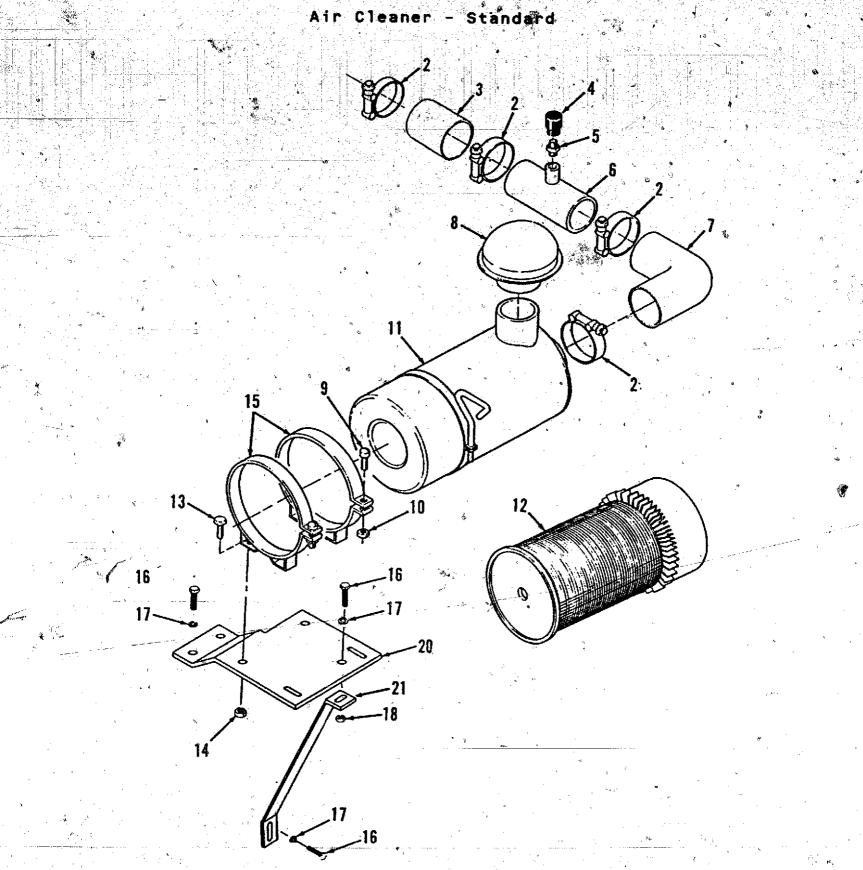


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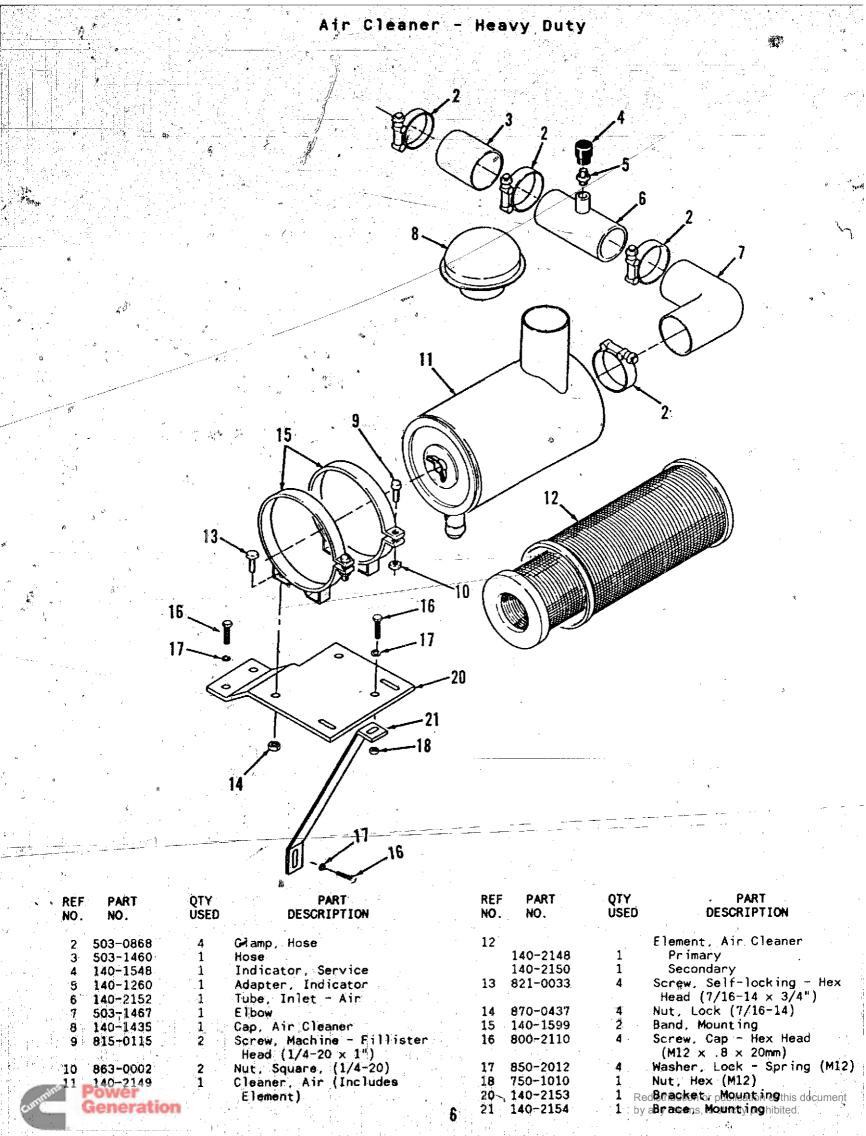
Power

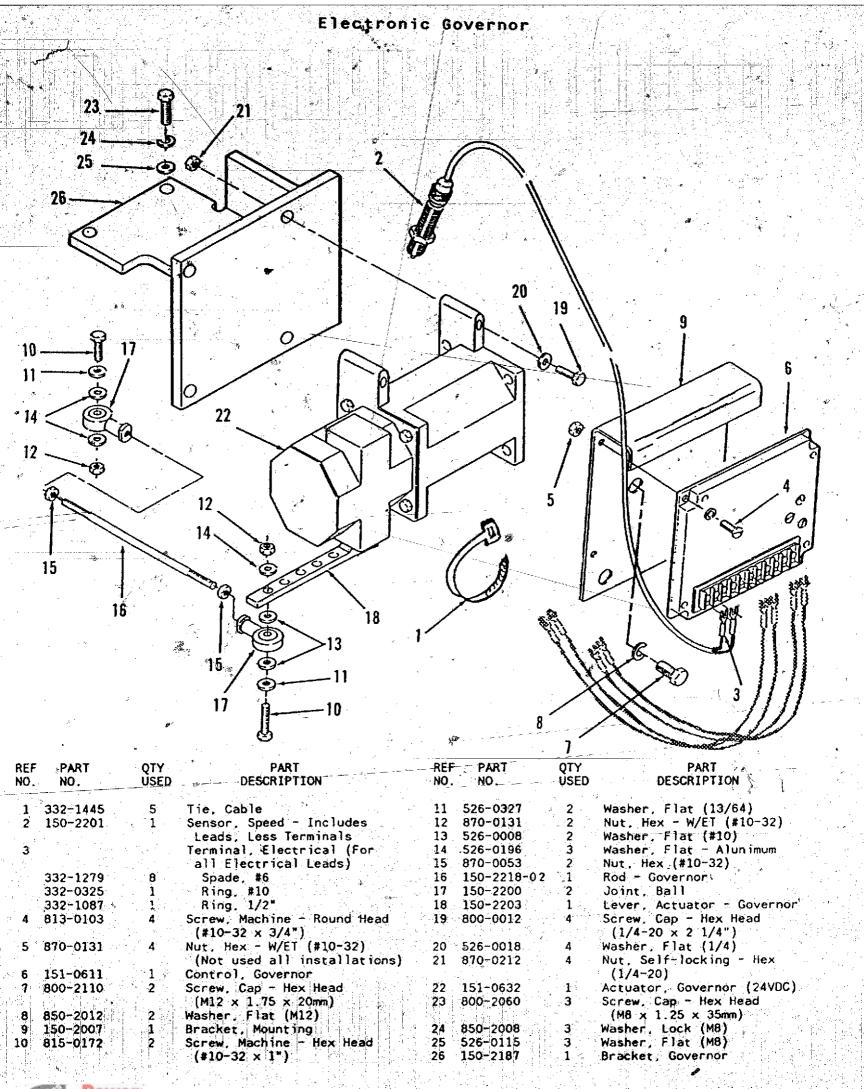
Generation

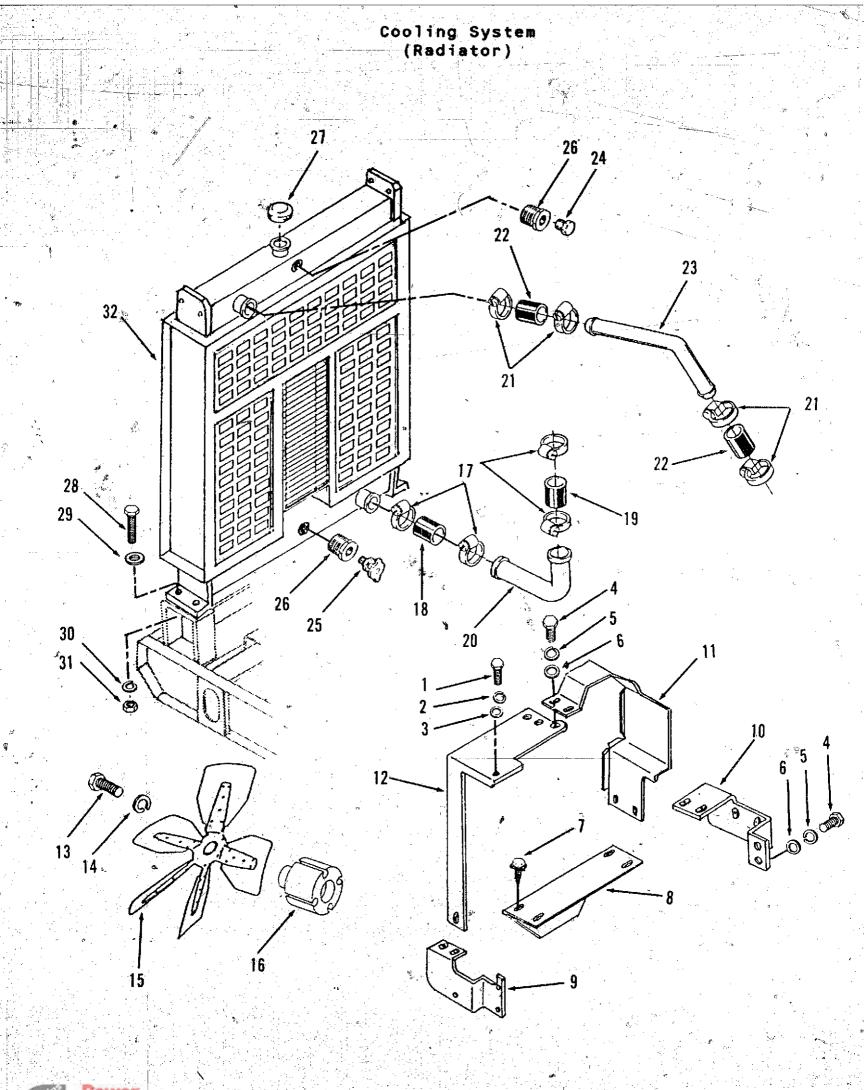
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REF	PART NO.	QTY USED	PART DESCRIPTION	REF	PART NO.	OTY USED	PART DESCRIPTION
1 7	503-0998	2	Clamp, Hose	12	140-2148	~ 1	Element, Air Cleaner
2	503-0868	1	Clamp, Hose	13	821-0033	3	Screw, Self-locking - Hex
3	503-1543	1	Hose, Reducing		1997 - 19		Head (7/16-14 x 3/4")
·····4·	140-1548	- 1 -	Indicator, Service	14	870-0437	3	Nut, Lock (7/16-14)
5	140-1260	1	Adapter, Indicator	15	140-0078	. 2	Band, Mounting
6	140-2166	1 .	Tube, Inlet - Air	16	800-2110	- <u>4</u>	Screw, Cap - Hex Head
7	503-1542	1	Elbow, Hose - Reducing				(M12 x .8 x 20mm)
8	140-2157	1	Cap, Air Cleaner	17	850-2012	4	Washer, Lock - Sring (M12)
9	815-0115	2	Screw, Machine - Fillister	18	750-1010	1	Nut, Hex (M12)
			Head (1/4-20 x 1")	19	503-0999	1	Clamp, Hose
10	863-0002	2	Nut, Square (1/4-20)	20	140-2153	1	Bracket, Mounting
Cum	140-2147wer Gener	ation	Cleaner, Air (Includes Element)	21 5	140-2154	1	Brace, Mount ing Redistribution or publication of this documen by any means, is strictly prohibited.





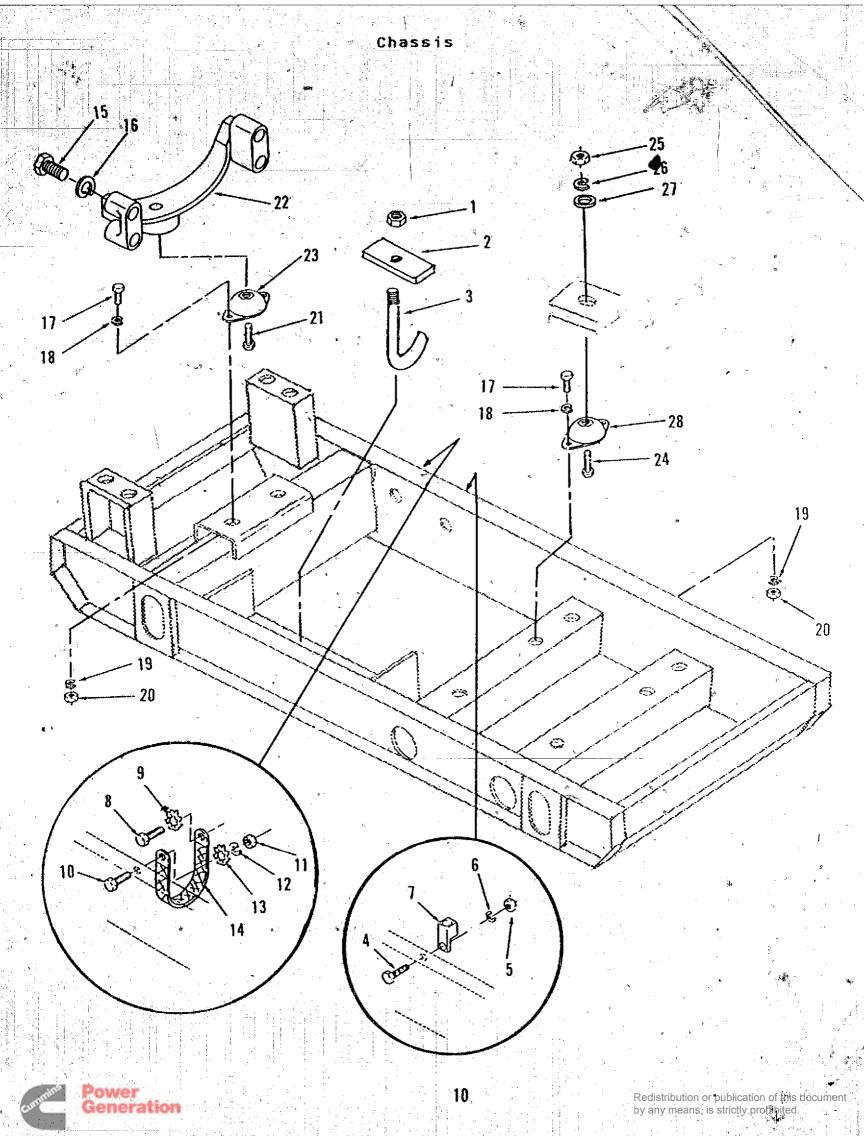


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Cooling System (Radiator)

REF		QTY USED	PART DESCRIPTION	REF NO	PART	QTY USED	PART DESCRIPTION
ູ NO .		USED				Vocu	
1	800-2084	1	Screw, Cap - Hex Head	15	130-3117	1	Fan, Radiator
4			(M10 × 1.5 × 16mm)	16	130-3114	· · · 1	Spacer, Fan
2	526-2120	1	Washer, Flat (M10)	17	503-0354	4	Clamp, Hose 🐄
3.	850-2010	1	Washer, Lock - Spring (M10)	18	503-1379-02	≥_, ⊧1	Hose, Radiator
· · · 4	800-2110	5	Screw, Cap - Hex Head	19	503-1379-03	3) 1 -	Hose, Radiator
		4 A.	(M12 x 1.75 x 20mm)	.20	130-3147	1	Tube, Outlet - Radiator
5	526-2140	5	Washer, [#] Flat (M12)		503~0365	4	Clamp, Hose
6	850-2012	5	Washer, Lock - Spring (M12)	22	503-1391-0	1 2	Hose, Radiator
7	821-0009	9	Screw, Self-locking - Hex	23	130-3149	1	Tube, Inlet - Radiator
			$(1/4-20 \times 3/8^{\circ})$	24	502-0153 _{&}	• 1	Plug, Hex Head (1/4 NPT)
8	130-3121	1	Plate, Bottom	* , 25		1.	Cock, Drain
÷. 9	130-3124	1	Guard, Belt (Right Side)	26	502-1033	2	Adapter, Metric To NPT
10	130-3125	1	Guard, Belt (Left Side)	27		. 1	Cap, Radiator
. 11	130-3127	1	Guard, Belt - Alternator	28	800-0028	- 4	Screw, Cap - Hex Head
12	130-3126	- 1	Guard, Belt - Alternator	a for the second se	··· k.	* •7	(5/16-18 × 1")
13	718-1044	<mark>۲</mark> 4	Screw, Cap - Hex Head	29.	526-0022	. 4	Washer, Flat (5/16)
, w ·		4 -	$(M8 \times 1.25 \times 60 \text{mm})$	30	850-0045	4	Washer, Lock - Spring (5/16)
14	850-2008	. 4	Washer; Lock - Spring (MB)	31	862-0015	4	Nut, Hex (5/16-18)
. – .,		. •		32	130-3278	1	Radiator

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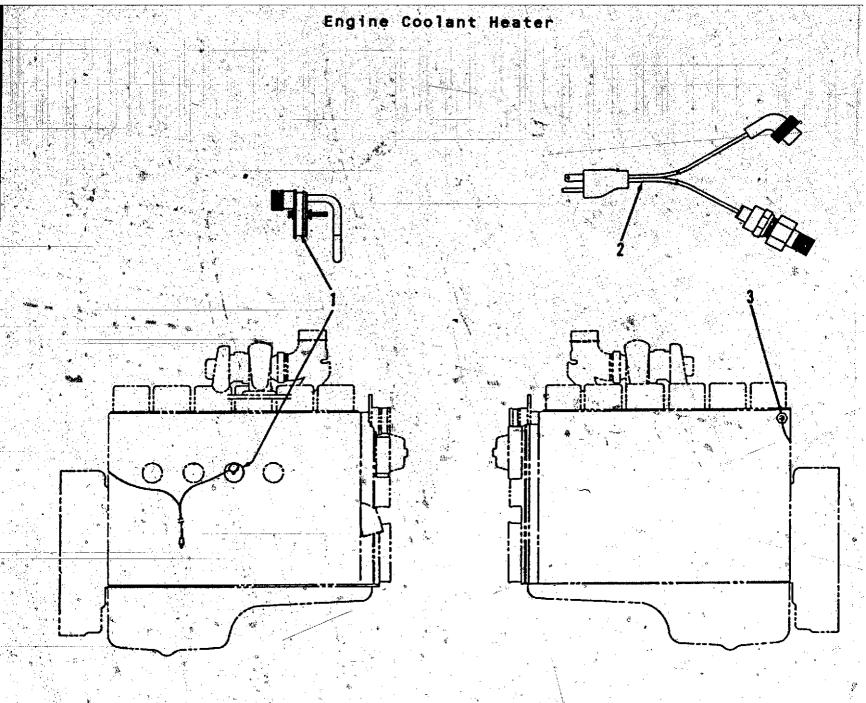


Chassis

REF NO.		QTY USED	PART DESCRIPTION	REF NO.	PART NO.	OTY USED	PART DESCRIPTION
1	870-0212	1	Nut. Lock (1/4-20)	15	800-2120	4	Screw, Cap - Hex Head
2	416-0854	1	Bracket, Mounting - Dattery	2.10	\sim	معربي رو م	(M12 × 1.75 × 70mm)
្ទទ	416-0853	1	Holdown, Battery	16	850-2012	5 °	Washer, Lock (M12)
4	800-0026	1	Screw, Cap - Hex Head	17	800-0092	10	Screw, Cap - Hex Head
Ne			(5/16-18 x 3/4")				$(1/2-13 \times 1-1/2^*)$
	856-0008	1	Washer, Lock - EIT (5/16)	18	850-0060	10	Washer, Lock - Spring (1/2")
· 102	870-0257	i i	Nut, Lock (5/16-18)	19	526-0219	10	Washer, Flat (1/2")
·	332-1473	1	Lug, Solderless	_20	862-0016	10	Nut, Hex (1/2-13)
	800-2111	î	Screw, Cap - Hex Head	21	800-0520	3	Screw, Cap - Hex Head
0.	000 2111	+	(M12 x 1.75/x 25mm)	1975 - 19			$(3/4-10 \times 1^{n})$
· •	856-0013	1	Washer, Lock - EIT (1/2")	22	403-2567	1	Support, Engine
10	800-0092	î	Screw, Cap + Hex Head		402-0568	ī	Mout, Vibration
. 10	000-0032		$(1/2-13 \times 1-1/2")$	24	800-0156	4	Screw, Gap - Hex Head
· • •	962-0016	·	Nut, Hex (1/2-13)	F 4	000 0100	~	$(3/4-10 \times 2-1/4")$
· · · ·	862-0016	1	Washer, Lock - Spring (1/2")	25	862-0008	. ⊿ .	Nut, Hex (3/4-10)
12		1	Washer Lock - EIT (1/2")	26	850-0079		Washer, Lock - Spring (3/4")
13	856-0013			27	526=0238	2	Washer, Flat (3/4)
14	337-0090	1	Strap, Electrical	28	402~0466	· 5	Mount, Vibration
			and the second	20	402-0400*	م بر من من المراجع الم مراجع المراجع ال	

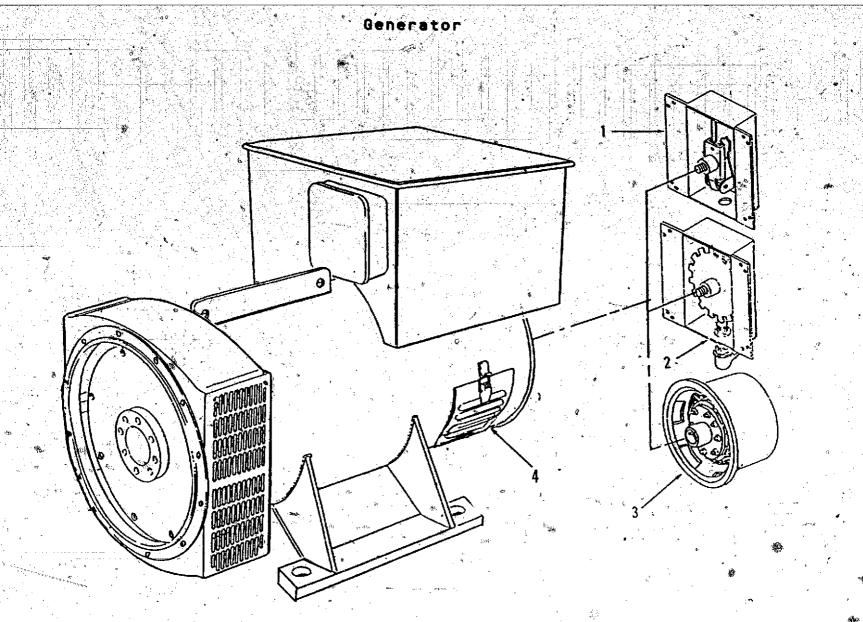
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·	1 -	100				23.54	leater	Eng	ine	Coolant			. 2			~ 1.6	Cab	le, El	lectrical	(Include	S
		333	-029	1-01	1	د بر جم تر	120				이 같은 지		5				Th	ermost	at Switch	1)	
			-029				240	VAC		4			41 C 2	333-02	92-01	1	$\langle \langle \cdot \rangle < 1$	20 VAC			
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	Şe		1					t in di				- -	3	505-08	51	1	Bus	ning,	Reducer		
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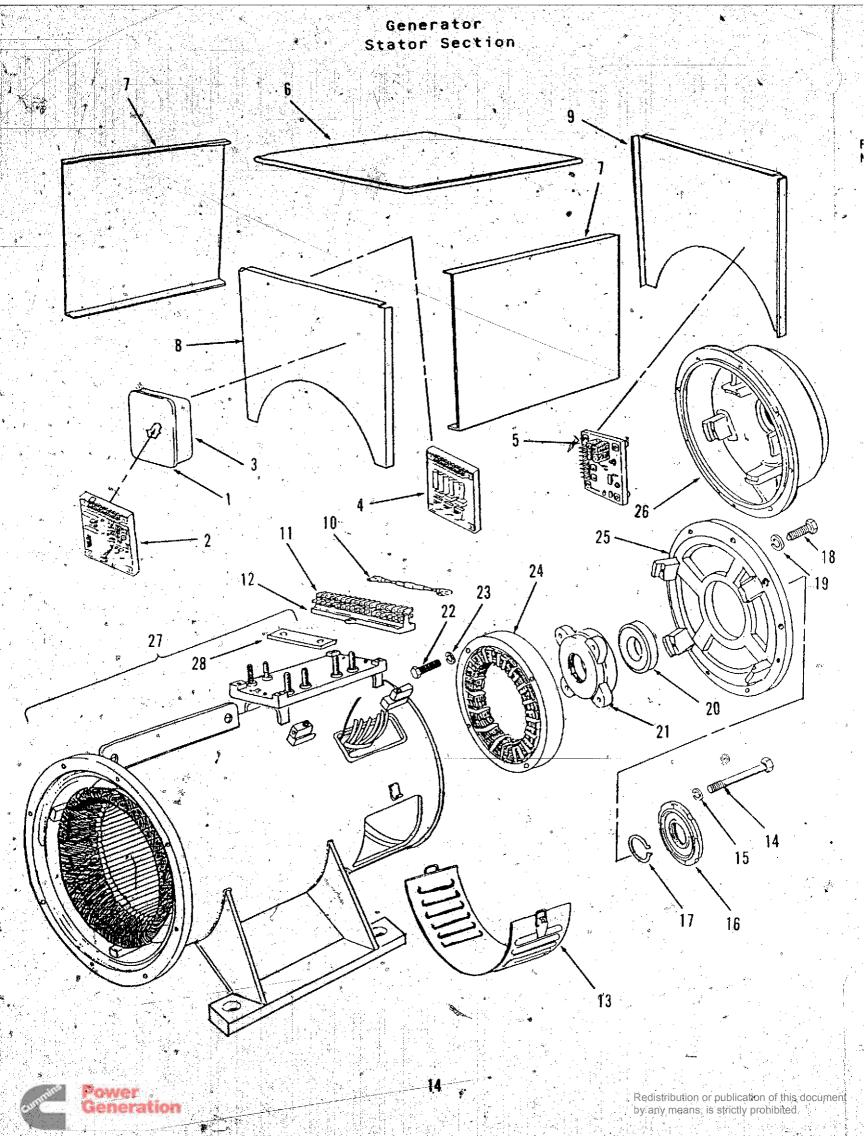


REF		OTY USED	PART DESCRIPTION	`REF NO.	PART NO	OTY USED	PART DESCRIPTION
* • 1 .		1	Module, Overspeed Switch	4	Noțe 1		Generator
			(See Separate Page for				(See Separate Pages for
•			Components)			4.	Stator and Rotor Components)
		·.	Attaching Parts		÷.,	-	Attaching Parts
	821-2045	୍ ଅ	Screw, Self-locking - Hex				Generator to Chassis
			Hd (M8 × 1.25 × 16mm)		800-0156	4	<u>Screw, Cap - Hex Head</u>
. 2	- 1	1	Module, Overspeed Sensor		(1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,	•	$(3/4-10 \times 2-1/2")$
			(See Separate Page for	-	850-0079	4.	Washer, Lock - Spring'(3/4")
			Components)		526-0238	4	Washer, Flat (3/4")
1 - L.		·	Attaching Parts		862-0016	2	. Nut, Hex (1/2-13)
 э	*821-2045	. 4	Screw, Self-locking - Hex	1.10			Adapter to Flywheel Housing
			Hd (M8 x 1.25 x 16mm)		800-2088	12	Screw, Cap - Hex Head
3	4	1	Module, Permanent Magnet				(M10 x 1 5 x 35mm)
			Exciter (See Separate Page	·	850-2010	12	Washer, Lock - Spring (M10)
0	· · · · · · ·		for Components)	• .			Drive Disc to Flywheel
÷.,			Attaching Parts		805-0015	8	Bolt - Hex Head (3/8-16 x
	249-0298	4	Screw, Cap - Hex Head			A Contraction of the second se	3/4", Grade 8)
			$(M8 \times 16 mm)$		526-0124	<u> </u>	Washer, Flat {1-1/2"0D x
A STATE	249-0218	4	Washer, Lock (M8)	n an trainn 19 th			13/32"ID)
$\{ (1,2) \}_{i=1}^{\infty}$	249-0315	4	Clamp, Retaining	e e for			
				Note	1: For r	eplàcement	Generator please supply the
							at nameplate and Generator

te 1: For replacement Generator please supply the complete Gen Set nameplate and Generator nameplate data. The Replacement Generator will be shipped from closest warehouse or the factory. The replacement will not included PMG Exciter Module, Generator to Flywheel Housing Adapter, Drive Discs and Terminal Box.



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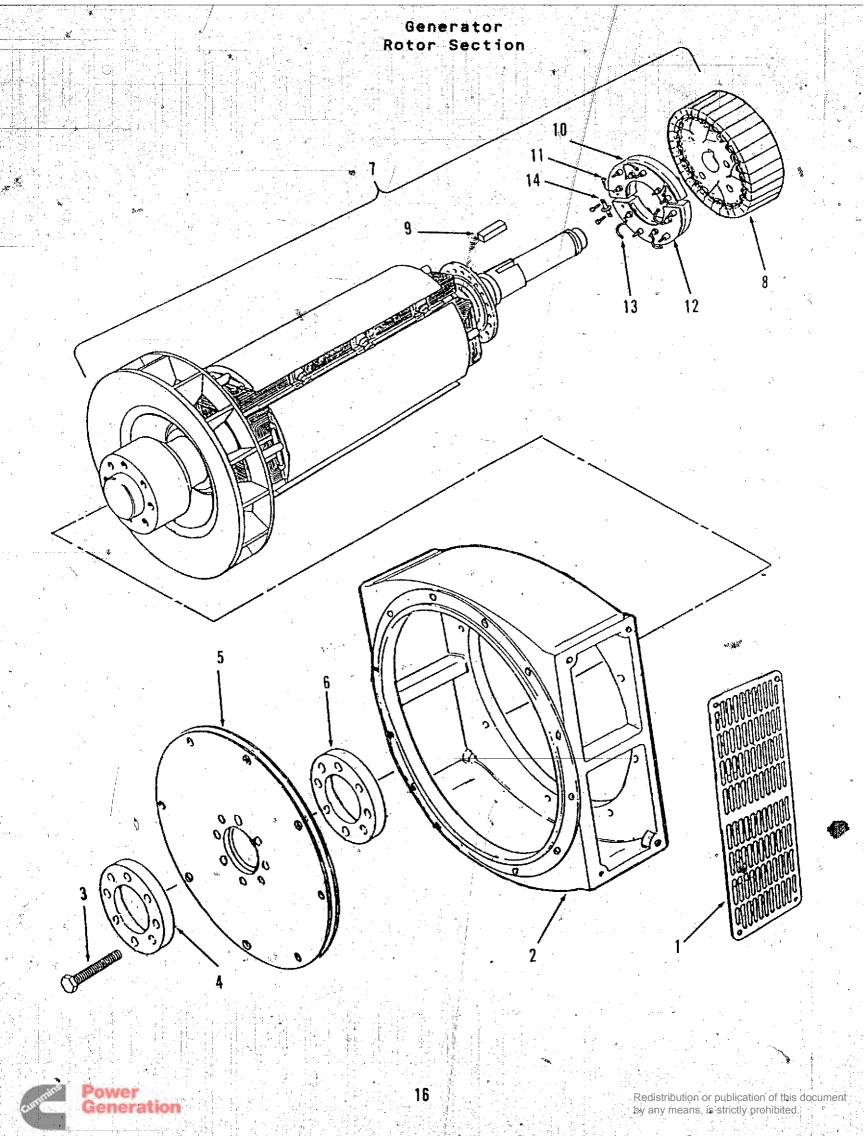
Generator Stator Section

RE NC	F PART NO	QTY USED	PART DESCRIPTION	REF NO.	PART NO.		Ŭ ÎSED	PART DESCRIPTION
	249-0401	4 	Lic		249-0368			Grille, Inlet - Air
			Attaching Parts	14	249-0302	ъ. н.	4	Schew, Cap - Hex Head
· · ·	249-0304	Δ.	Schew, Captive				· .	(M10+x 65mm)
2			Regulator, Voltage	15	249-0202	,	4	Washer, Lock - Spring (M10)
	305-0779	· ·	Standard o	16	249-0362		1	Cap, Bearing - Outer 👘 👘 👘
	305-0778	· <u>1</u>	3 Phase (Used with 🔥	17	249-0444,		1	Circlip
			PMG Exciter & 3 Phase	18	_249-0201	- 13- 	8	Screw, Cap - Hex Head
		•	Sensing Module)		7. 		'ş	(M10 < 35mm)-
1.1			Attaching Parts	19	249-0202	¢.	8	Washer, Lock - Soning (M10)
	249-0398	4	Pillar, Threaded	20	249-0312	,	1	Bearing, Ball
3	249-0564		Modulie 3 Phase Sensing	21	249-0361	1	1	Cap, Bearing - Inner 🦛
			Attaching Parts	22		49	1	Screw, Cao - Hex Head
	🛁 249-0398	4	Pillar, Inreadec		249-0297	2	Ζ.	(M6 × 55mm) Standard Gen
2	249-0395	1	Box		249-0291		4	(M6 x 70mm) Ext Stack Gen
5	300-3209-0	2	Module, Frequency Detection	- 23	249-0212		Δ	Washer, Lock - Spring (M6)
~	· · · · · · · · · · · ·		Attaching Parts	24			-	Stator, Exciter
	249-0295	• ∠	Screw, Cap - Hex Head	•	249'-0334		1 .	Standard Generator
			* (M5; x 35mm)		249-0366		1	Extended Stack Generator
	249-0288	·	Washer, Plastic (M5)	25	249-0354		1	Bracket, End-Standaro Gen
	249-0287	4	Nut, Hex - Nylon (M5)	26	249-0355		1	Bracket, End-Extended Stack Gen
e	S NFS	-	_id	27*	N°S 🗸 🖏		-	Staton, Generator (Includes
	/ NFS	2	Panels Side					Terminel Studs and links)
ç	R NES		Panel, Front					Attaching Parts Stator to
) N°S	, ¹ - 1	Panel, Rear					Adapter
1 (•	Resistor (Voltage Code		249-0301		8	Screw Cap - Hex Head
	240 0410	-	H Only					(M10) 35mm
1	249-0289	<u>`3</u>	Block, Terminal - AUX		249~0202		8	Washer, Lock - Socied MIC)
1			Base Terminal - AUX	· 28	249-0404	η	4	Link, Termina'

NFS - Not For Sale



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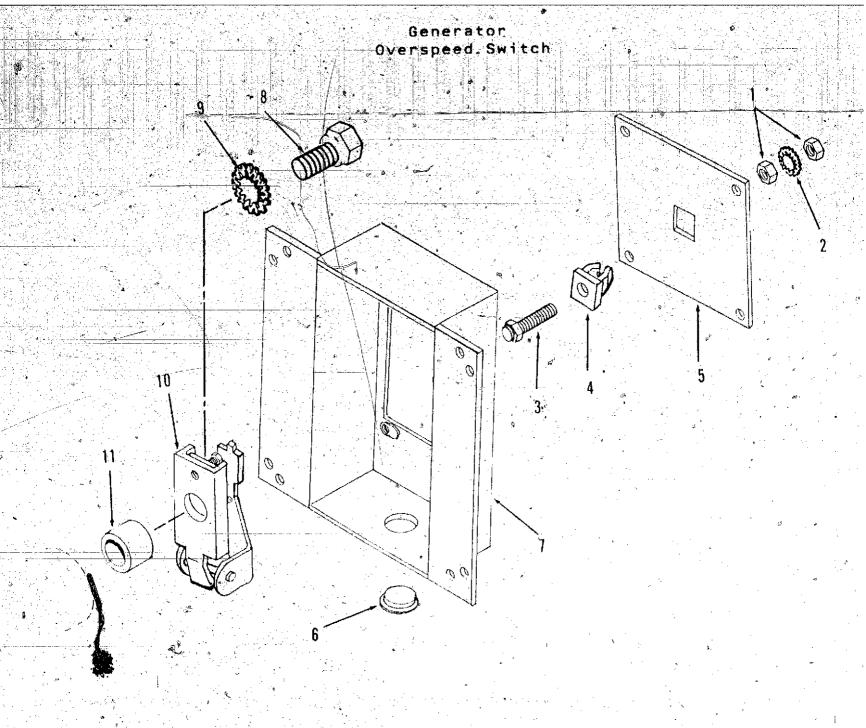
Generator Rotor Section

REF NO.		QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	249-0341	2	Screen, Air - Adapter	8	249-0336	1	Rotor, Exciter (Does Not
S. N.			Attaching Parts	ta Italia da Ang	a shi		Include Rectifier Assy)
ian.	249-0294	8	Screw, Cap - Hex Head	٩,			Standard Generator
9			(M5 × 12mm)	> 8a	249-0367	1	Rotor, Exctier (Does Not
· · ·	249-0307	8	Washer, Lock - Spring (M5)	i e de la companya de			Include Rectifier Assy)
	249-0308	8	Washer, Flat (MS)				Extended Stack Generators
2	249-0370		Adapter, Generator	9	249-0271	- 1	Key
ā	249-0290) 8	Screw, Cap - Hex Head	10	249-0340	1 -	Rectifier Assy, Forward
. ~			(M16 × 75mm)				(Includes Item 11 Diodes)
Å	249-0402		Plate, Pressure	11	249-0281	1	Set, Forward Polarity Diode
5	249-0327	ā	Disc, Drive		249-0341	Í	Rectifier Assy, Reverse
ă	249-0364	· 1	Spacer			17 S. S.	(Includes Item 13 Diodes)
ž	NFS	៍ ំំំំំំំំំំំំំំំំំំំំំំំំំំំំំំំំំំំំ	Rotor, Generator (Includes	13	249~0282	1	Set, Reverse Polarity Diode
• •	N 0	. •	Exciter, Key, and Rectifier	14	249-0283	1	Varister
·			Assemblies)	÷	1		Attaching Parts
			ABBCHILL (100)	A	*249-0294	2 ¹	Screw, Cap - Hex Head
			× *		243 9234	E : 5	(M5 v 12mm)

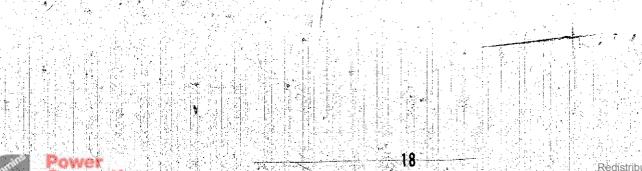
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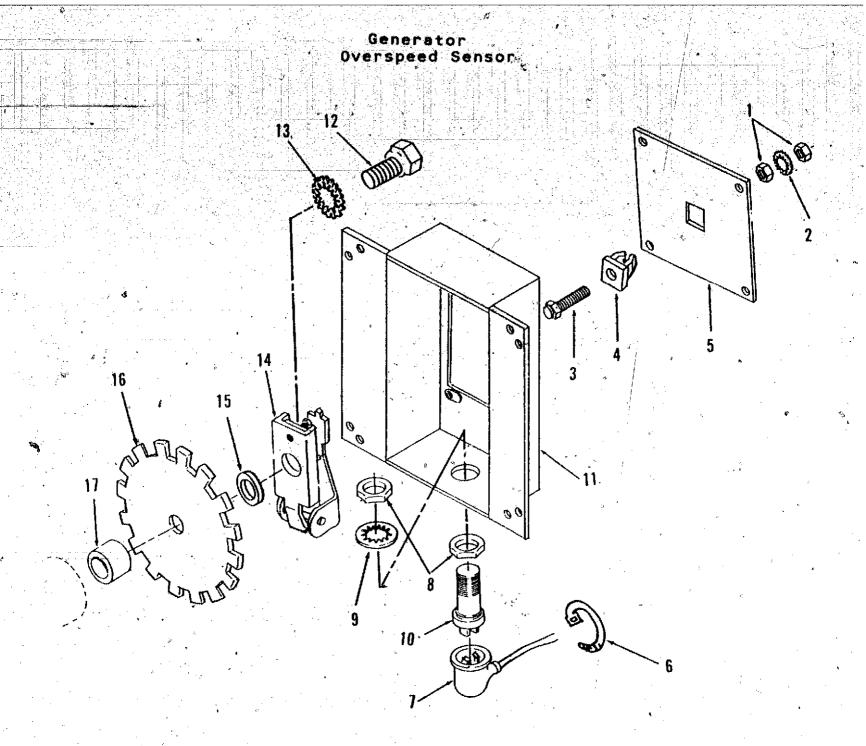
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REF NO		QTY USED	PART	REF NO	PART NO.	, OTY USED	PART DESCRIPTION
1	862-0001	2	Nut; Hex (1/4-20)		517-0136	1	Plug, Plasnic
j	853-0013 150-0723	1	Washer, Lock - EIT (1/ Point, Overspeed		150-2207 718-1058		Cover, Overspeed Switch Screw, Cap + Hex Head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



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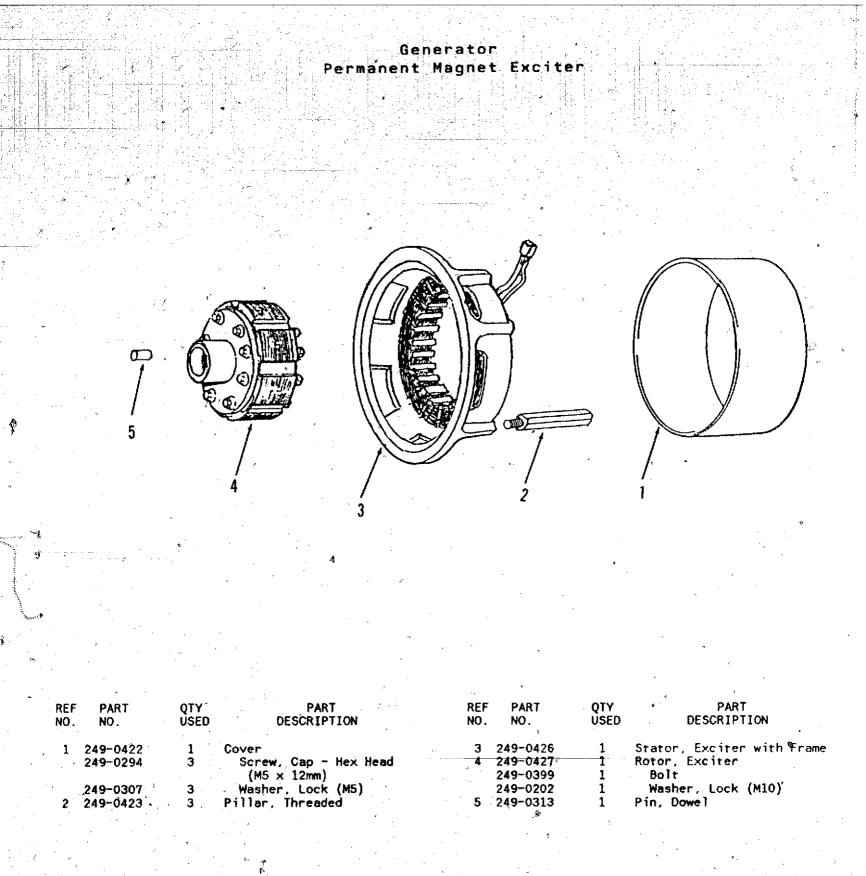


				•	÷. E	· ·	, e. [
RE NC		QTY USED	PART # DESCRIPTION		REF NO.	PART NO.	QTY USED	PART DESCRIPTION	• .
1	862-0001	2 Niu	t, Hex (1/4-20)		9	854~0031	1	Washer, Lock - IT (3/4")	
5	853-0013	1 Wa	sher, Lock - EIT	(1/4")	10	150-1406	1	Sensor, Speed	2
	150-0723		int, Overspeed		11	150-2207	1	Cover, Overspeed Switch	
Ă	870-0250		t, Insulated		12	718-1058	(1)	Screw 👌 Cap 🖃 Hex. Head	1
5	150-2206		ate, Mounting					(M10 \lambda 1.5 x 45mm)	. *
	821-0005		Screw, Self-locki	na - Hex	13	856-0010	- 1 1	Washer, Lock - EIT (3/8")	
	021 0000		(#10-32 × 1/2")		/14.		(1	Switch, Overspeed	
6	332-1445	с т;	e, Cable			370-4031	1 1 1	Spacer, Sleeve	
2	338-2189-0	กว. 1 ผล	rness, Wiring	·. Ĵ		150-2204	1 1	Wheel - Speed Sensor	
. 8	868-0011	2° Nu	t, Jam - Hex $(3/4)$	-16)		370-4032	1	Spacer Sleeve	

Power Generation

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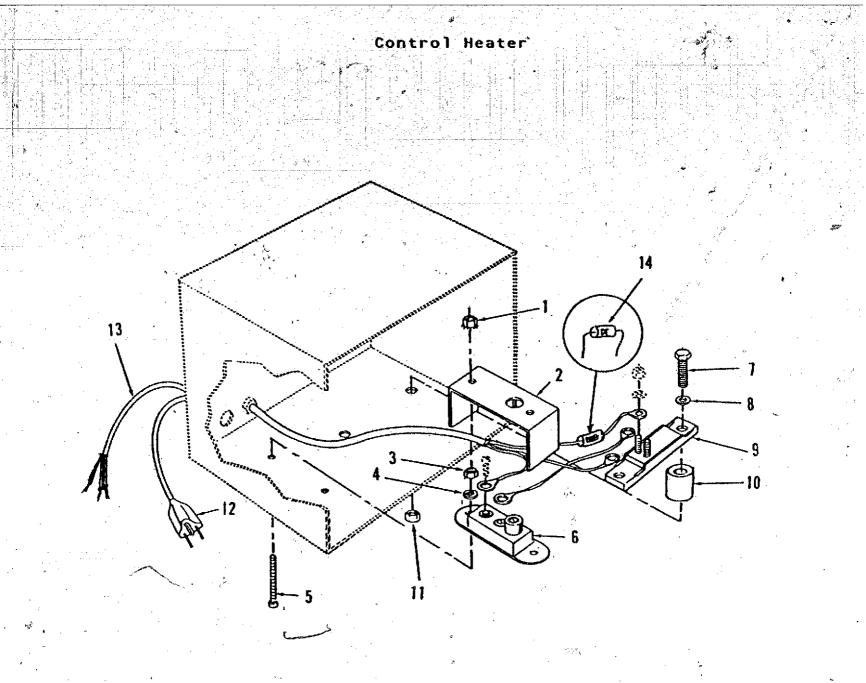
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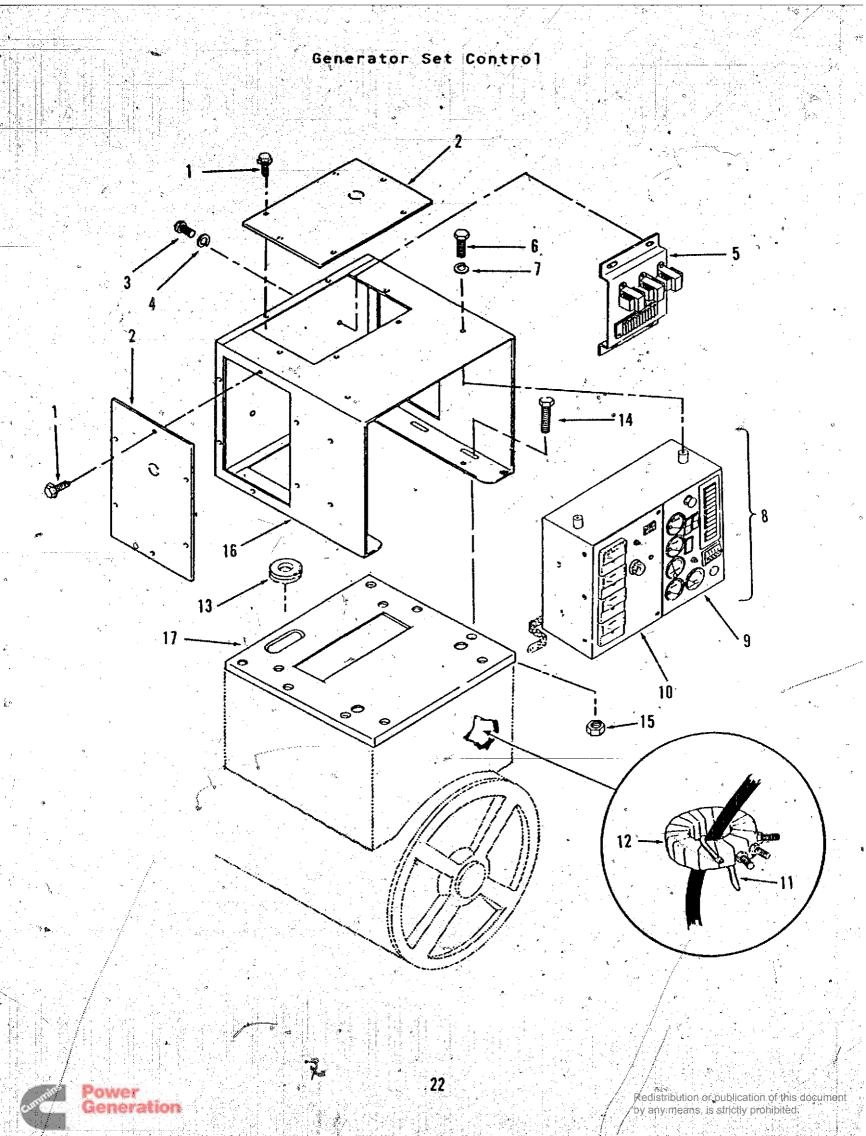
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO	QTY USED	DESCRIPTION
1	870-0183	2	Nut, Self-locking - Hex	9			Heater, Electrical
			(#6-32)	· ·	333-0151	1	120VAC
2	301-1886	1	Cover	,	333-0378	1	240VAC
3	860-0006	1	Nut, Hex (#6-32)	10	130-1107	2	Spacer
4	854-0006	2	Washer, Lock - IT (#6)	11	870-0257	2	Nut, Self-locking - Hex
5	812-0070	2	Screw, Machine - Round Head	1	4		(5/16-18)
4			{#6-32 x 1-1/4"}	12	335-0161	1	Cable, Electrical (120VAC
6	309-0128	1	Thermostat, Adjustable				Application)
7	800-0034	2	Screw, Cap - Hex Head	13	338-2121	1	Harness Wiring with
	et i si fansk s		(5/16-18 × 2-1/4")				Diode, less plug
8	526-0113	2	Washer, Flat (5/16")		e Sector	ant de la composition	(240VAC Application)
	-	1 A		14	357-0013	1	Diode
				15	98-3232	1	Decal, Warning - Shock Hazard

(Not Illustrated)

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Power Generation 21

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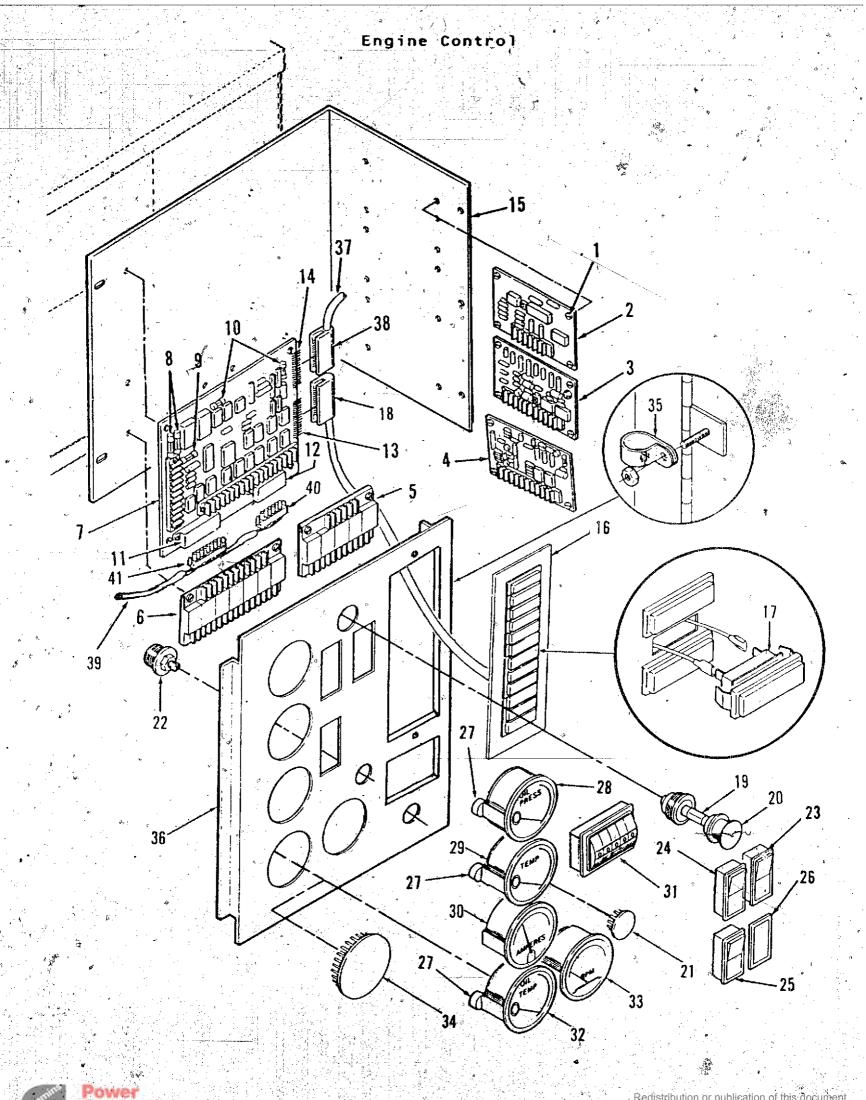


Generator Set Control

REF NO	PART NO,	QTY USED	PART DESCRIPTION	REF NO	PART NO.	OTY USED	PART DESCRIPTION
1	821-0005	18	Screw, Self-locking - Hex (#10-32 x 1/2")	10	NFS	1	Control, Generator (See Sep- arate Page for Components)
2	NFS	3	Panel, Box - Control	11	332-0941	- 6 i	Tie, Cable
3	812-0156	4	Screw, Machine - Round Head (1/4-20 x/1/2")	/ 12	۴		Transformer, Current - Recon- necțible
4	850-0040	4	Washer, lock - Spring (1/4")		302-1794-02	3	80kW Voltage Code H
5	NFS	· 1	Transformer Assy, Potential -	•	302-1794-03	3	65 & 80kW Voltage Code L,
_			(See Separate Page for Components)			es .	65 & 80kW Voltage Code Z, 100kW Voltage Code H.
6	800-0051	4	Screw, Cap - Hex Head (5/16-18 x 1/2")		302-1794-04	3 .	85 & 100kW Voltahe Code L. 85 & 100kW Voltage Code Z.
7	850-0045	4 .	Washer, Lock - Spring (5/16")	13 ·	508-0051	1	Grommet
8	NFS	1	Control, Set (See Item 9 & 10 for Components)	<' ≦ 14	821-0018	6	Screw, Self-locking - Hex Head (1/4-20 x 5/8")
9	NFS	1	Control, Engine (See Separate Page for Components)	15	870-0212	6,	Nut, Self-locking - Hex (1/4-20)
		4	rage for componences	÷16	NES	1 -	Housing, Control
	94 M.	•		17	NFS	1	Adapter, Housing to Terminal Box

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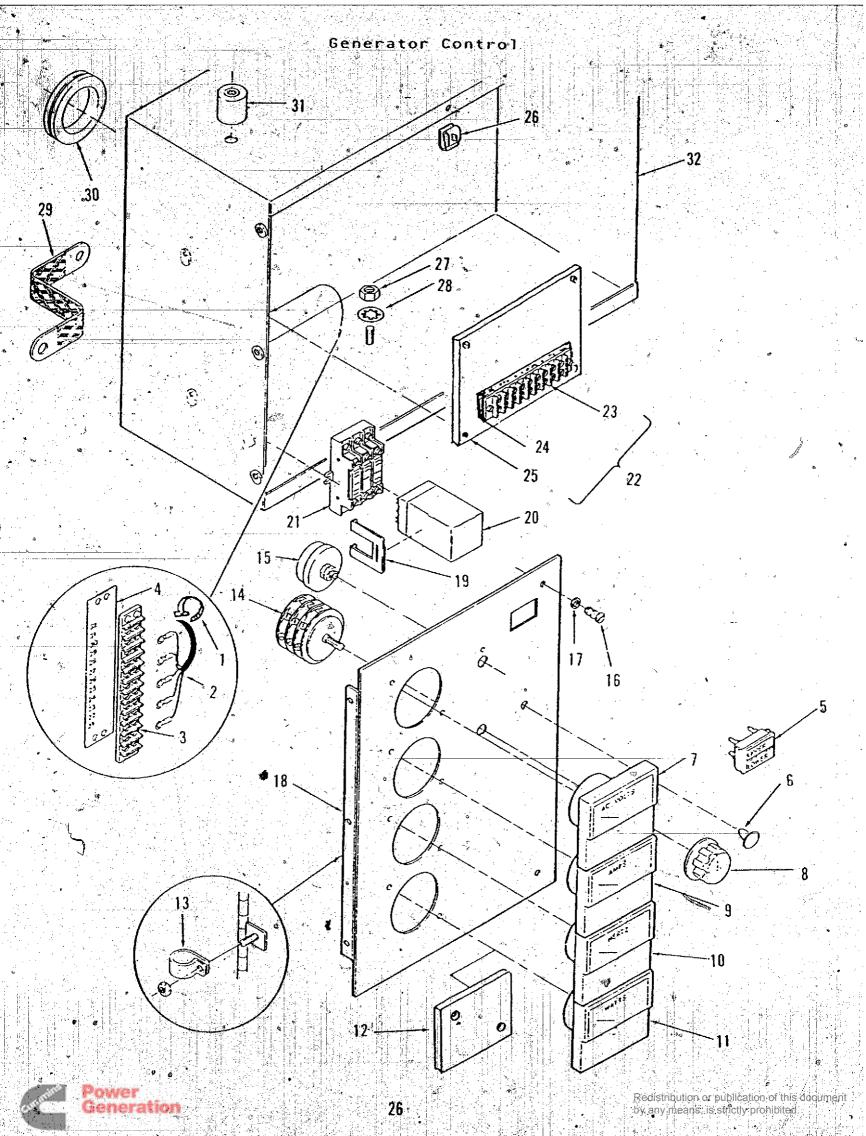
Generation

Engine Control

		4						
REF	PART NO.	QTY USED	PART DESCRIPTION	NO	영영지 영문 가지 않는 것 같이 있는 것 같이 많이	1 - F - F - F	TY SED	PART DESCRIPTION
1	815-0544	24	With IT Lock Washer		322-0369-0	02 1	2	Lamp, Incandescent - 1/3 Watt 28 VOC
(\cdots, e_p)			(#6-32 × 1/2")	18	323-1310		1	Housing, 13 Pin (J3)
2	.300-2899	· 1 ·	Board, Time Delay,		-323-1302	1	Э -	Contact, Pin
			" Start/Stop - 24 VDC (A15)	19	322-0017		1	Lamp, Incandescent - 28 VDC ·
3			Board, Magnetic Sensor,		· · · · · · · · ·			* (DS11)
		· 1 · .	Start Disconnect/Over Speed	20	322-0361	7	1	Holder, Lamp
at a Line			Sensor (A16)	21	517-0131		1.	Plug, Button
. '	300-2903	1		- 22	303-0280		1.	Potentiometer (R11)
•	300-2904	1 .	Precision	23			1	Switch, Push (S11)
4	300-2906	1	Board, Over-Under Voltage	24				Switch, Push (S12)
		-	Sensor - 24 VDC (A17)		301-6257	•	1 .	Cover
	*300-2856	1	Board, Relay - 24 VDC (A13)		193-0250		3	Resistor, Gauge (R12)
6	300-2863	1	Board, Relay - 24 VDC (A14)		193-0352		1	Gauge, Pressure - Oil (M11)
4.			Board, Engine Monitor (A11) (Includes Fuses and	29	193-0351		1	Gauge, Temperature - Water (M12)
	• •		Connectors)	30	302-1790	• • •	1	Ammeter (M13)
	300-2808	1	24 VDC, 2 Light	31	302-0885	1	1	Meter, Totalizing - Time
	300-2812	1	24 VDC, 12 Light		002 0000		-	(M14)
8	321-0270	2	Fuse, Cartridge - 20 Amp (F1, F2)		815-0385 -	*** • * • •	2	Screw, Machine - Round Head (#6-31 × 1/2")
9	321-0231	1	Fuse, Cartridge - 15 Amp (F3)	•	870-0183		2	Nut, Hex with ET Lockwashe (#6-32)
ò	321-0094	2	Fuse, Cartridge - 5 Amp (F4, F5)	32	193-0330		1	Gauge, Temperature - Oil (M15)
.1	323-1305	1	Connector, 8 Pin (P1)	33	302-1715	đ	1	Tachometer, (M16)
2	323-1303	1	Connector, 6 Pin (P2)	-34	517-0221		1	Plug, Button
3	323-1309	1.	Connector, 13 Pin (P3)	35	322-0052		1	Clamp, Loop
4	323-1307	1	Connector, 12 Pin (P4)		870-0131		1	Nut, Hex with ET Lockwashe
5	NFS	1	Bracket, Mounting	•			**	(#10-32 × 1/2")
-,	821-0004	4	Screw, Self-locking - Hex Hd	36	NFS	<u> </u>		Door, Control
			(#10-32 × 5/16")	37	338-1817	÷ *	ì	Harness, Wiring - DC Meter
16			Module, Indicator - Fault	-				(Includes Connector'& Pins)
		ŕ	(Includes Replaceable Lamps,	38	323-1308		1	Housing, 12 Pin (J4).
			Harness with Connector		323-1302	, 1	2 .	Contact, Pin
			Housing & Contact Pins)(A12)	39	338-2171		1	Harness, Wiring - Control to
	322-0358-02	1	24 VDC, 2 Light	•		-		Engine (Includes Connectors
	322-0360-02	1	24 VDC, 12 Light	ť	a			and Pins)
	815-0385	2	Screw, Machine - Round Head	40	323-1304		1	Housing, 6 Pin
		-	(#6-32 × 1/2")		323-1200		6	Contact, Pin
	870-0183	2	Nut; Self-locking - Hex	4İ	323-1306		1	Housing, 8 Pin
		-	(#6-32)		323-1200		8	Contact, Pin

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Generator Control

REF NO.		QTY USED	PART DESCRIPTION	REF NO.	PART NO	QTY USED	PART DESCRIPTION
1	332-1445	2	Tie, Cable	14	308-0284	1	Switch, Rotary (S21)
2			Harness Wiring	15	303-0261	1	Rneostat (R21)
	338-1818	I	Control with Meters	16	406~0334	2	Clip, Fastener
			(Includes Terminal Block) -	£	406-0333	2	Stud, Fastener
$\{ i_{i}, \dots, i_{k} \}$	338-1853	1	Control without Meters	^ગ ે 18 ં	NFS	i i 2 1 - i	Door, Control
	812-0065	2	Screw, Machine - Round Head		821-0004	3	Screw, Self-locking - Hex
· ->		a program 🖌 🥍 🖓	(#6-32 × 5/8")	1.1.14		· · . · .	(#10-32 × 5/16")
3	332-0607	1	Block, Tarminal (181)		307-1987	2	Clip, Relay
<u>. 4</u>	332-2723	1	Strip, Marker		307-1056	- 1	-Relay, 24 VDC (K21)
5,	322-0363		<u>Light</u> , Indicator - Dual	21	323-0804	1	
	5		(DS21, DS22)		815-0544	2	Scnew, Machine - Round Head
6	517-0131	· · · 1 .	Plug, Button	. •	,		with IT Lock Washer
T.			Voltmeter (M21)		China da California da Califor		(#6-32 × 1/2")
· · · ·	302-1148	1,	Dual Scale 0-300/0-600V	22	NFS		Terminal Board Asembly
	302-1753	-	Single Scale 0-750V	. •	812-0065	4,	Screw, Machine - Round Head
and the second second	303-0032	. 1 .	Knob	~~	000 0751	-	(#6-32 x 5/8")
9			Ammeter (M22)	23	332-0751	1	Block, Terminal
· A .	202 1001		Single Scale Voltage Gode H		812-0066	2	Screw, Machine ~ Round Head
1 C	302-1691	1	80kW, 0-100 Amp	24	332-0853	1	(#6-32 x 3/4") Strip, Marker
	302-1805-0	1 21	100kW∮ 0-150 Amp Dual Scale Volt, Codes L & Z	24		1	Plate
`	202 1004	1			406-0332	÷ 2	Receptacle, Fastener
	302-1684	,L 1	65 & 80kW, 0-150/0-300 Amp 85 & 100kW, 0-200/0-400 Amp	27	871-0015	2	Nut, Hex $(1/4-20)$
10	302-1685 302-1720	1	Meter, Frequency (M23)	•	853-0013	1	Washer, Lock - ET (1/4")
10	302-1720	1	Wattmeter (M24) (See	29		1	Strap, Electrical (Ground)
	· · · · · · · · · · · · · · · · · · ·	. الله . 	<u>Separate page for Components</u>	. 2.5	800-0024	1	Screw, Cap - Hex Head
12	•NFS	1	Cover, Meter Hole		000 0024		(5/16-18 × 1/2")
* <u>+ </u>	815-0385	2	Screw, Machine - Round Head,		856-0008	. 1	Washer, Lock - EIT (5/16")
	010 0000	4 -	Black (#6-32 x 1/2")	30	508-0051	1	Grommet
	870-0183	2	Nut, Hex with ET Lockwasher		402-0527_	2	-Mount, Vibration
	01000		(#6-32)		800-0051	4	Screw, Cap - Hex Head
13	332-0052	1	Clamp, Loop			1.1	$(5/16-18 \times 1/2")$
	870-0131	1	Nut, Self-locking - Hex with		850-0045	4	Washer, Leck - Spring
			ET Lock Washer (#10-32)			1	(5/16")
	1. 1.	~ *		32	NES		Box, Control
							· · · · · · · · · · · · · · · · · · ·

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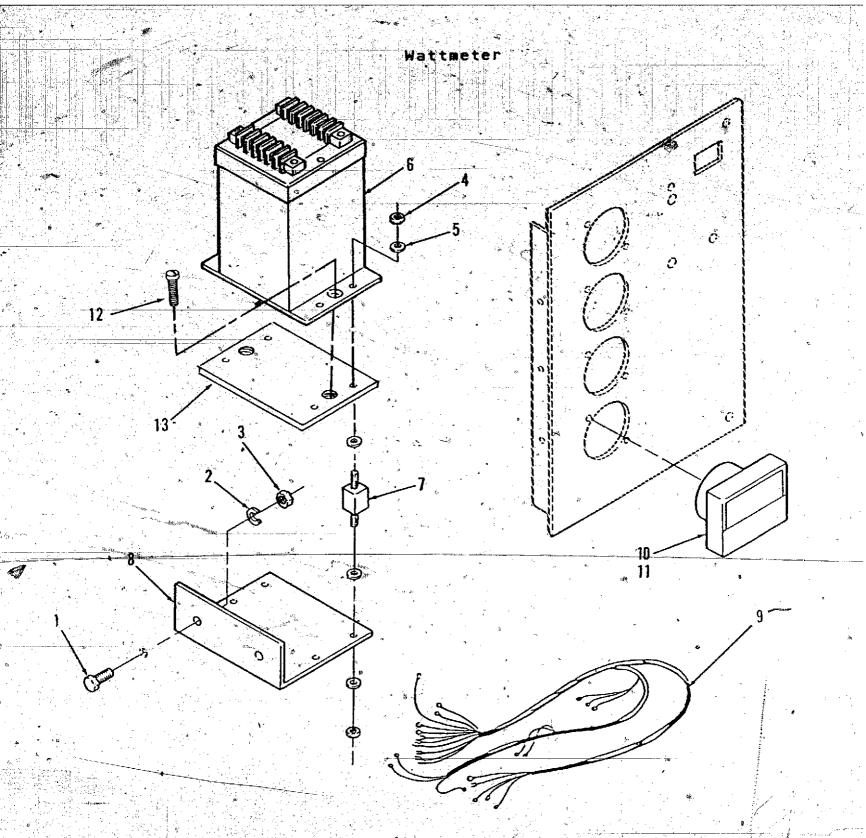
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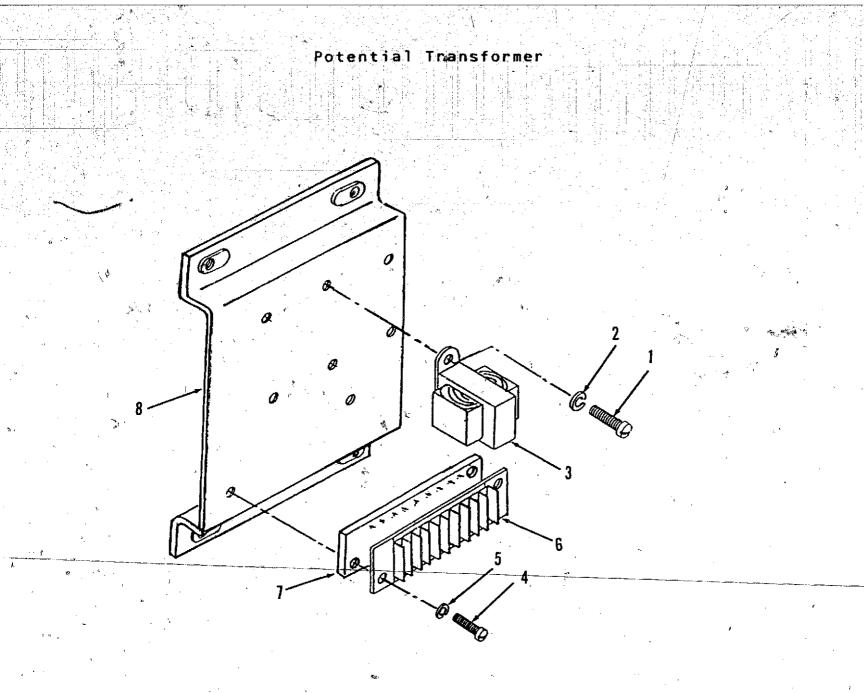
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REF	PART	OTY	REF	PAŔT	QTY	PART
NO.	 A state of the sta	USED	NO.	NO.	ÛSED	DESCRIPTION
1	821-0017	2, Screw, Cap - Hex Head	8	301-6987	1	Bracket, Mounting
1.1.2		(5/16-18 × 1/2")	9	338-1936	1	Harness, Wiring
2	850-0045	2 Washer, Lock (5/16)	``10	302-1722	1	Wattmeter (Less Dial)
3	862-0014	2 Nut, Hex (5/16-18)	11			Dial, Wattmeter
4	860-0008	8 Nut, Hex (#8-32)	a shi tar	302-1721-04	1	DTDA, DXDA
5	856-0002	16 Washer, Lock - ET (#8)		302-1721-05	1	DTDB, DXDB
6	302-1833-01		12	813-0102	. 2	Screw, Machine - Round Head
7	402-0354	4 Mount, Shock				(#10-32 x 3/8")
			13	319-0030	1	Plate, Support - Transducer
	1. 12 위험한					

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	REF. 10.	NO.		PART DESCRIPTION		REF	PART NO.	QT	FY SED	PART DESCRIPTION
	· • •		- 7		-					
	1	812-0079	6	Screw, Machine - Round	;	5	850-0025	2	2	Washer, Lock - Spring (#8)
	÷.,	a da anga anga anga anga ang ang ang ang an		Head (#8-32 x 1/2")		6	332-2562	1		Block, Terminal (10 Place)
÷.,	2 -	850-0025	6`	Washer, Lock - Spring (#8)		7	332-2563	· 1	•	Strip, Marker
۰.	3	315-0642	3	Transformer, Potential	÷.,	8	NFS	1		Bracket, Mounting
· ·	4	812-0077	2	Screw, Machine - Round						
	·-		- 1.1 m	Head (#8-32 x 3/8")	•	14 J.		2		
•			•		•	n ,	4			

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