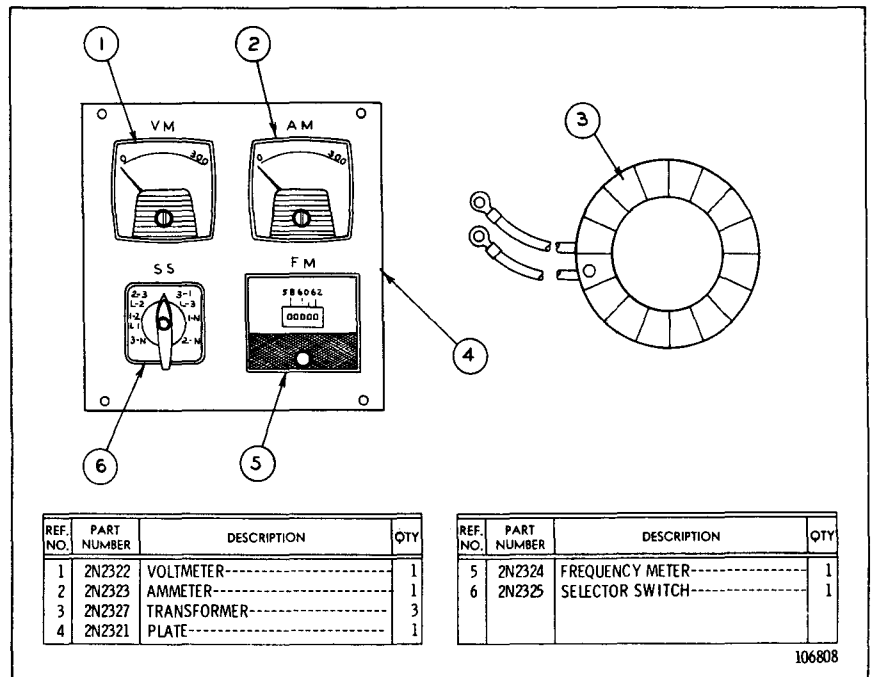
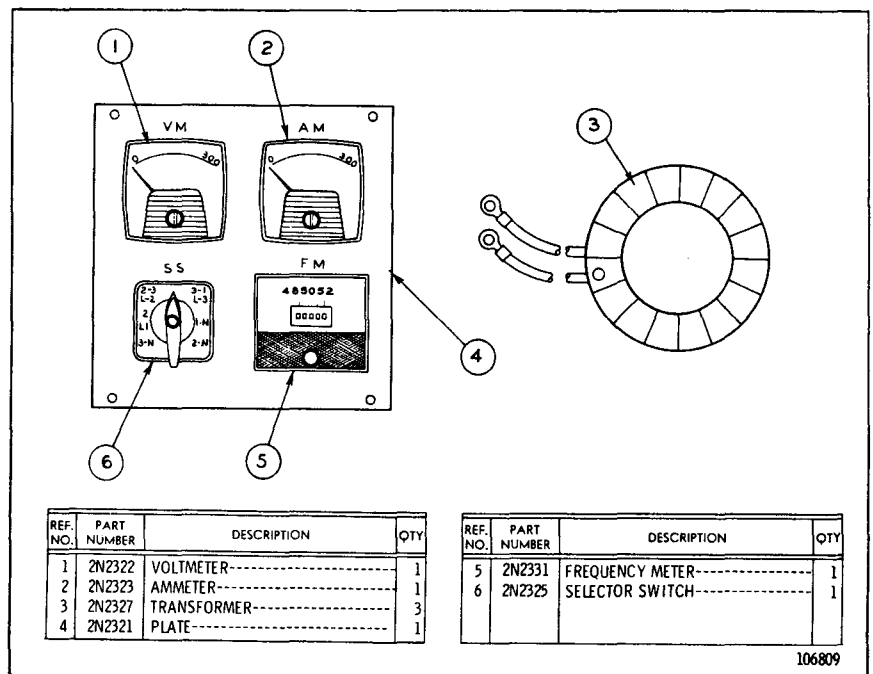




2N2335 METER GROUP—120/180—240 Volt, 60 hertz
FOR USE WITH 2N2218 GENERATOR GROUP



2N2336 METER GROUP—110/190—200 Volt, 50 hertz
FOR USE WITH 2N2218 GENERATOR GROUP

Diagram of the 2N2337 Meter Group. It features four meters: a Voltmeter (VM) with a scale from 0 to 600, an Ammeter (AM) with a scale from 0 to 200, a Selector Switch (SS) with positions for 2-3, 3-1, 1-2, 2-1, 3-2, and 2-3, and a Frequency Meter (FM) with a scale from 0 to 60. A circular selector switch (3) is shown to the right. Callouts 1-6 point to specific components: 1 points to the VM, 2 to the AM, 3 to the selector switch, 4 to the meter housing, 5 to the FM, and 6 to the SS.

REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	2N2329	VOLTMETER-----	1
2	2N2330	AMMETER-----	1
3	2N2333	TRANSFORMER-----	3
4	2N2321	PLATE-----	1

REF. NO.	PART NUMBER	DESCRIPTION	QTY
5	2N2324	FREQUENCY METER-----	1
6	2N2325	SELECTOR SWITCH-----	1

106810

2N2337 METER GROUP—240/416—480 Volt, 60 hertz
FOR USE WITH 2N2218 GENERATOR GROUP

Diagram of the 2N2338 Meter Group. It features four meters: a Voltmeter (VM) with a scale from 0 to 800, an Ammeter (AM) with a scale from 0 to 200, a Selector Switch (SS) with positions for 2-3, 3-1, 1-2, 2-1, 3-2, and 2-3, and a Frequency Meter (FM) with a scale from 0 to 60. A circular selector switch (3) is shown to the right. Callouts 1-6 point to specific components: 1 points to the VM, 2 to the AM, 3 to the selector switch, 4 to the meter housing, 5 to the FM, and 6 to the SS.

REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	2N2329	VOLTMETER-----	1
2	2N2330	AMMETER-----	1
3	2N2333	TRANSFORMER-----	3
4	2N2321	PLATE-----	1

REF. NO.	PART NUMBER	DESCRIPTION	QTY
5	2N2331	FREQUENCY METER-----	1
6	2N2325	SELECTOR SWITCH-----	1

106811

2N2338 METER GROUP—220/380—400 Volt, 50 hertz
FOR USE WITH 2N2218 GENERATOR GROUP

INDICATE SERIAL NUMBER WHEN ORDERING PARTS

REPLACEMENT PARTS FOR GENERATORS

Only those generators which are sold and serviced exclusively by "Caterpillar" Dealers are illustrated on the following pages.

Externally-regulated "Caterpillar" Diesel Electric Sets are equipped with generators made by other manufacturers. Parts for these generators are NOT serviced by Caterpillar Tractor Co. Parts lists and parts should be ordered from the manufacturer whose name is shown on the Generator Name Plate, always giving the generator rating and serial number shown.

PIECES DE RECHANGE POUR GENERATRICES

Dans les pages suivantes, nous ne décrivons que les génératrices constante dont la vente et la réparation est assurée par les concessionnaires Caterpillar.

Les Groupes électrogènes Caterpillar à régulation externe sont équipés de génératrices fabriquées par d'autres constructeurs. Les pièces pour ces génératrices ne sont pas fournies par Caterpillar Tractor Co. Il convient donc de s'adresser au constructeur dont le nom figure sur la plaque de la génératrice pour toutes les listes de pièces et pour les commandes de pièces, en indiquant la puissance et le numéro de série de la génératrice.

REPUESTOS PARA GENERADORES

En las páginas siguientes solamente se ilustran los generadores que son vendidos y reparados exclusivamente por los Distribuidores Caterpillar.

Los Grupos Electrógenos "Caterpillar" de regulación externa están equipados con generadores de otros fabricantes. Caterpillar Tractor Co. no suministra repuestos para estos generadores. Las listas de repuestos y los repuestos mismos deberán pedirse al fabricante cuyo nombre aparece en la placa de identificación del generador, indicando siempre la capacidad de éste y su número de serie indicado.

PECAS DE SUBSTITUICAO PARA GERADORES

Estão ilustrados nas páginas seguintes somente os geradores vendidos e assistidos exclusivamente pelos revendedores Caterpillar.

As peças de substituição para os geradores dos Grupos Eletrógenos Caterpillar regulados externamente são fabricadas por outras firmas e não são fornecidas pela Caterpillar Tractor Co. Para obter qualquer delas, bem como os catálogos, de peças, dirija-se à firma cujo nome aparece na chapa de identificação do gerador, acrescentando no pedido as especificações e o número de série do gerador.

ERSATZTEILE FÜR GENERATOREN

Nur diejenigen Generatoren welche ausschliesslich von CATERPILLAR Händlern verkauft und gewartet werden, sind auf den folgenden Seiten dargestellt.

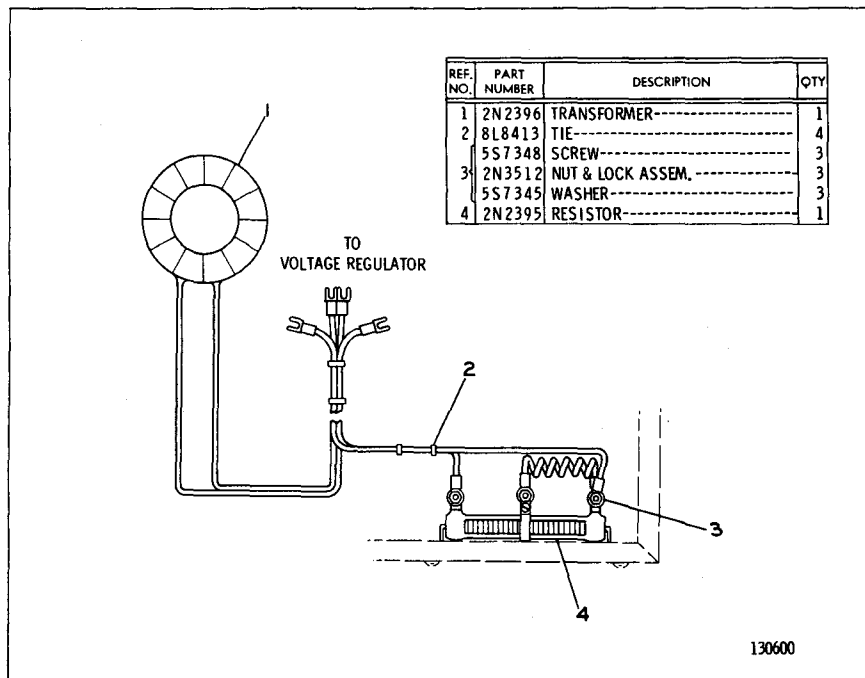
Caterpillar Dieselstromaggregate mit Fremdregelung sind mit Generatoren ausgerüstet, die von anderen Herstellern erzeugt werden. Ersatzteile für solche Generatoren werden NICHT auf Grund von Caterpillar Ersatzteillisten geliefert, sondern müssen jeweils bei dem auf dem Firmenschild angegebenen Hersteller des Generators unter Angabe der Leistung und Seriennummer desselben bestellt werden.

Consists of:

Page

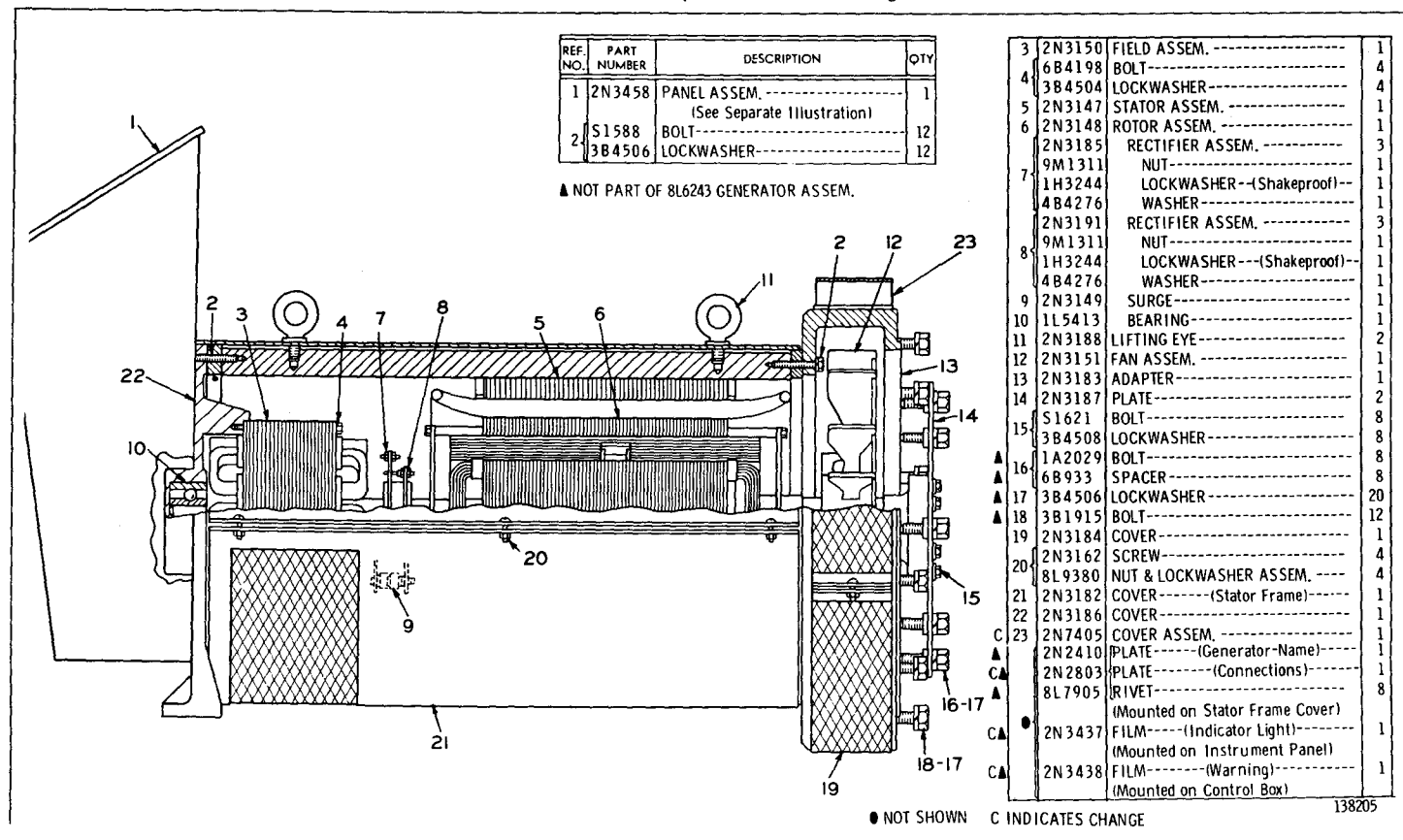
1		Electrical System.....	133
1	8L6243	Generator Assembly.....	131

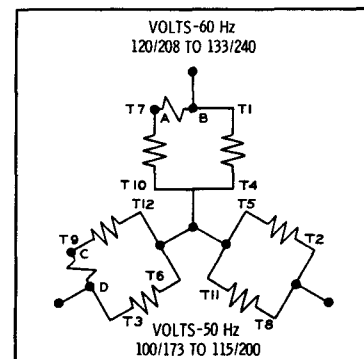
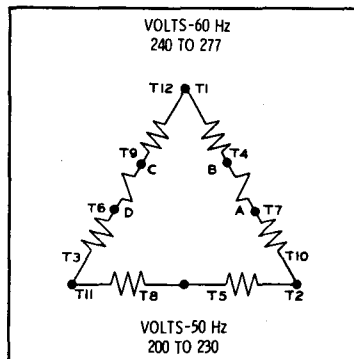
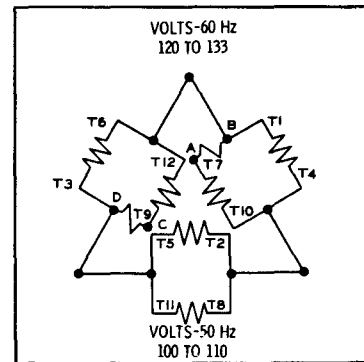
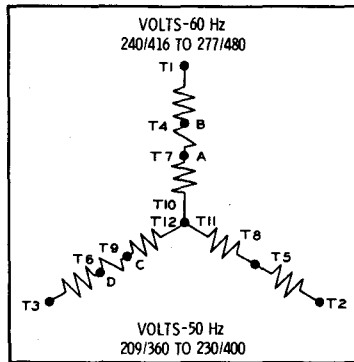
2N2218 GENERATOR GROUP—Factory Installation

2N2398 DROOP COMPENSATION GROUP
FOR USE WITH 2N2218 GENERATOR GROUP

ALWAYS GIVE SERIAL NUMBER WHEN ORDERING PARTS

8L6243 GENERATOR ASSEMBLY
 Effective with Generator Serial No. 63793-1, Part of 2N2218 Generator Group
 2N3458 Control Panel parts are shown on Page 136





FOR CONTINUOUS DIESEL ELECTRIC SET SERVICE:

62.5 KVA	50 KW	0.8 P.F.	1800 RPM	60 Hz
50 KVA	40 KW	0.8 P.F.	1500 RPM	50 Hz

FOR STAND-BY DIESEL ELECTRIC SET SERVICE:

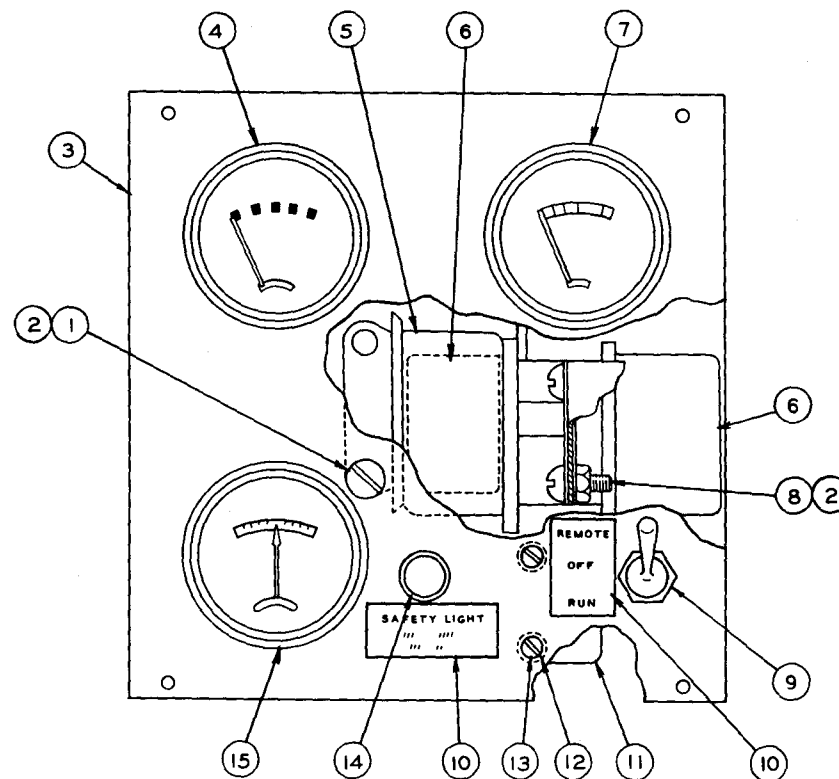
75 KVA	60 KW	0.8 P.F.	1800 RPM	60 Hz
62.5 KVA	50 KW	0.8 P.F.	1500 RPM	50 Hz

108534

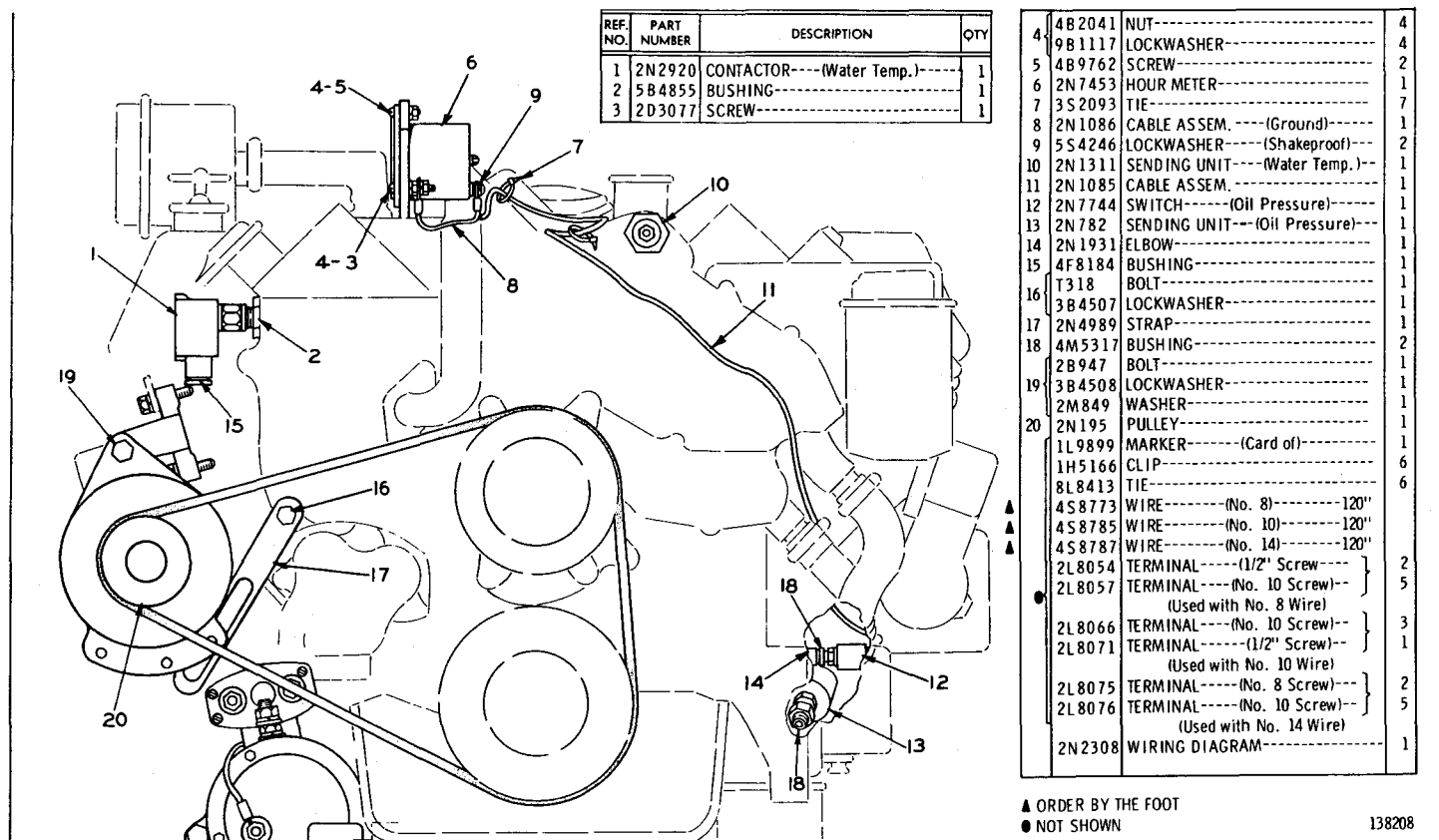
2N2803 CONNECTIONS DIAGRAM PLATE
Provides diagram for 8L6243 Generator Assembly

ALWAYS GIVE SERIAL NUMBRER WHEN ORDERING PARTS

ELECTRICAL SYSTEM (2N2310 N/S)—Generator Mounted Components—12 Volt
Part of 2N2218 Generator Group listed on Page 130



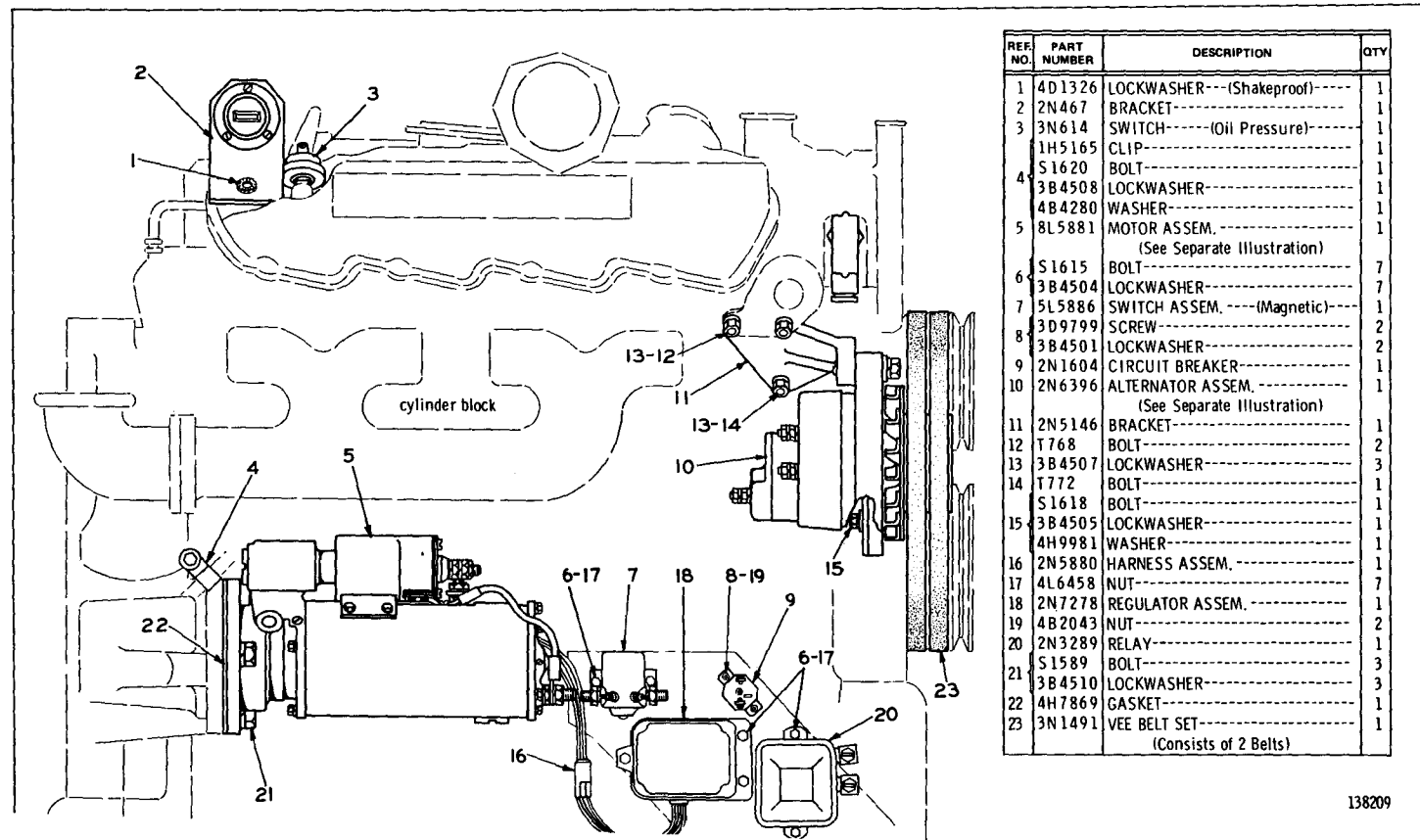
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	1S7443	SCREW-----	2
2	1B4330	NUT-----	4
3	3B4504	LOCKWASHER-----	4
4	2N3874	INSTRUMENT PANEL ASSEM.-----	1
5	5L7446	GAUGE ASSEM.-----	1
6	2N2915	RELAY----- (water temperature)	1
7	4L9314	RELAY----- (safety)-----	2
8	2N781	GAUGE----- (larming and remote locking)	1
9	4B1254	SCREW----- (oil pressure)-----	2
10	6S5004	SWITCH ASSEM.----- (toggle)-----	1
11	2N3873	NAME PLATE SET-----	1
12	2N2931	RELAY----- (cranking time limiter)	1
13	2N2910	SPACER-----	2
14	6D3993	SCREW-----	2
15	6B4540	NUT-----	2
16	6B4542	LOCKWASHER-----	2
17	2N2371	LAMP----- (indicator)-----	1
18	2N2372	LAMP----- (bulb)-----	1
19	7F6429	AMMETER-----	1
20	2N3875	HARNES ASSEM.-----	1
		(Not shown - generator components to engine components)	



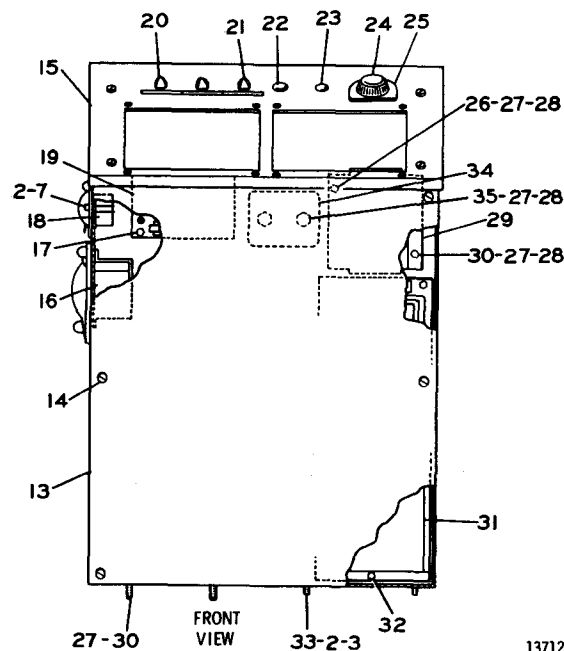
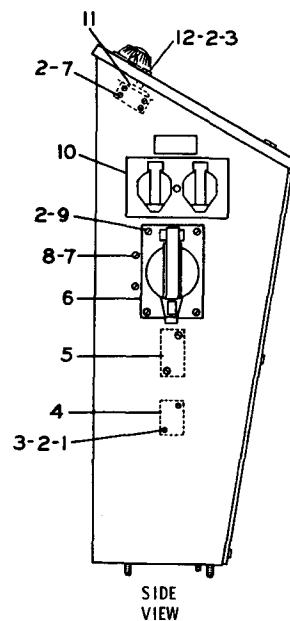
3N3353 ELECTRICAL SYSTEM—Engine Mounted Components—12 Volt—Part 1
FOR USE WITH DIESEL ELECTRIC SETS
Only separate parts serviced

138208

3N3353 ELECTRICAL SYSTEM—Engine Mounted Components—12 Volt—Part 2
 FOR USE WITH DIESEL ELECTRIC SETS
 8L5881 Motor and 2N6396 Alternator parts are shown on Pages 110 through 113, 124 and 125
 Only separate parts serviced



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	2N3476	SCREW-----	4
2	2N3512	NUT AND LOCKWASHER ASSEM.---	32
3	5S7345	WASHER-----	10

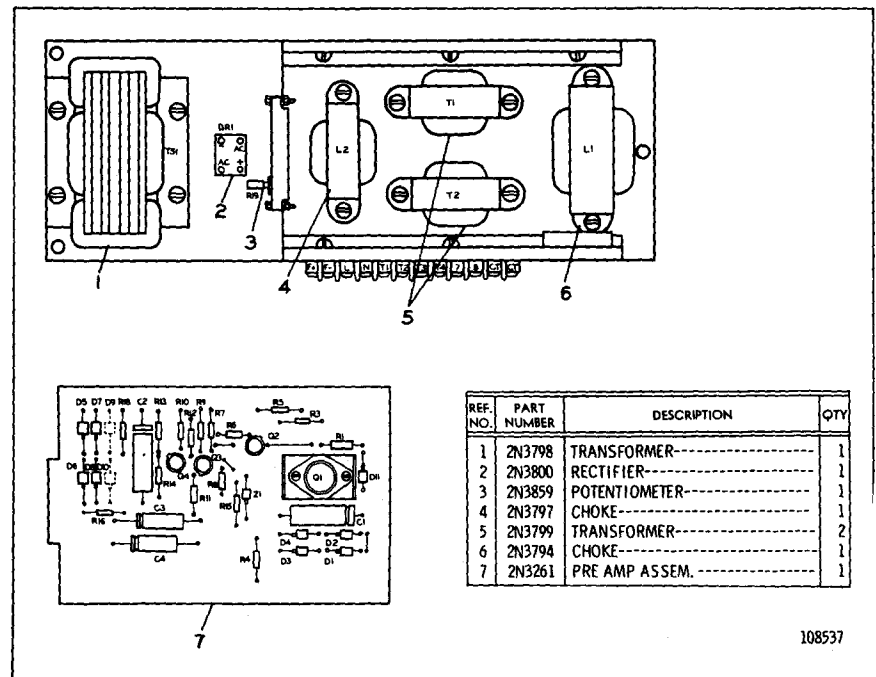


4	2N3810	TERMINAL STRIP-----	1
5	2L4932	TERMINAL STRIP-----	1
6	2N3511	COVER ASSEM.-----	1
7	2N3474	SCREW-----	22
8	9B1117	LOCKWASHER-----	4
9	2N3473	SCREW-----	4
10	2N3514	COVER ASSEM.-----	1
11	2N3518	SHOCKMOUNT-----	4
12	2N3477	SCREW-----	4
13	2N3504	BOX ASSEM.-----	1
14	2N3506	PANEL-----	1
15	2N3474	SCREW-----	15
	2N3505	COVER ASSEM.-----	1
16	2N3510	RECEPTACLE----(3 Phase)----	1
17	2N3478	SCREW-----	4
	8F1434	LOCKWASHER-----	4
18	2N3513	RECEPTACLE----(1 Phase)----	1
19	2N3509	SENSING ASSEM.-----	1
20	2N3515	LIGHT INDICATOR----(Amber)----	2
21	2N3516	LIGHT INDICATOR----(Red)-----	1
22	3L4566	PLUG-----	1
23	2M4009	PLUG-----	1
24	2N3508	KNOB-----	1
25	2N3507	RHEOSTAT-----	1
26	2N3480	SCREW-----	1
27	8L9380	NUT AND LOCKWASHER ASSEM.---	10
28	4B4274	WASHER-----	6
29	2N3517	TRANSFORMER-----	1
30	2N3479	SCREW-----	7
31	2N3260	REGULATOR ASSEM.-----	1
		(See Separate Illustration)	
	1B4330	NUT-----	3
32	3B4504	LOCKWASHER-----	3
	4B4276	WASHER-----	3
33	2N3475	SCREW-----	2
34	2N7407	BIAS DIODE ASSEM.-----	1
35	2N7456	SCREW-----	2
	2N4328	WIRING DIAGRAM-----	1

2N3458 CONTROL PANEL ASSEMBLY
Effective with Generator Serial No. 63793-1
Part of 8L6243 Generator Assembly shown on Page 131

137123

ATTACHMENTS



2N3260 REGULATOR ASSEMBLY
Part of 2N3458 Control Panel Assembly

QUANTITY USED	PART NUMBER	DESCRIPTION
1	2N1336	Plate--Warning and Information On top of L.H. rocker arm cover
1	3N3790	Plate--Serial Number On L.H. side of cylinder block
2	2N1569	Transfer--3145 CATERPILLAR On each side of rocker arm cover

NAME PLATES AND TRANSFERS

"CATERPILLAR" PERFORMAN

SPECIFICATIONS

(SUBJECT TO CHANGE WITHOUT NOTICE)

Weight, shipping (approximate) 1200 Lbs.

DIMENSIONS

Length 36"
Width 32"
Height 34"

CAPACITIES

Lubrication: Engine: Gear Type Pump.
Crankcase Capacity: With Filters 3 U.S. Gal.
Cooling System: Engine Only 6.5 U.S. Gal.

MACHINE SERIAL NUMBER PLATE LOCATION

Serial number plate is located on the side of the cylinder block.

CARACTÉRISTIQUES

(PEUVENT ÊTRE MODIFIÉES SANS PRÉAVIS)

Poids (approx.), en ordre d'expédition 545 kg

DIMENSIONS

Longueur 915 mm
Largeur 810 mm
Hauteur 865 mm

CONTENANCES

Circuit de graissage : alimentation par pompe à engrenages.

Contenance du carter avec filtres 11 litres

Circuit de refroidissement (moteur seulement) 25 litres

EMPLACEMENT DU NUMÉRO DE SÉRIE

La plaque donnant le numéro de série est située sur le côté du bloc-cylindres.

ESPECIFICACIONES

(SUJETAS A CAMBIO SIN PREVIO AVISO)

Peso de Embarque Aproximado 545 kg

DIMENSIONES

Longitud 915 mm
Ancho 810 mm
Alto 865 mm

CAPACIDADES

Lubricación: Motor con Bomba de Engranajes

Capacidad del Cáster: Con Filtros 11 litros

Sistema de Enfriamiento: Motor Solamente 25 litros

UBICACION DE LA PLACA CON EL NUMERO DE SERIE DE LA MAQUINA

La placa con el número de serie está colocada en el costado del bloque del motor.

ESPECIFICAÇÕES

(SUJEITAS A ALTERAÇÕES SEM AVISO PRÉVIO)

Pêso de embarque, aproximado 545 kg

DIMENSÕES

Comprimento 915 mm

Largura 810 mm

Altura 865 mm

QUANTIDADES CONTIDAS

Cárter do motor (bomba de engrenagens) com filtros 11 litros

Sistema de arrefecimento (só o motor) 25 litros

SITUAÇÃO DO NÚMERO DE SÉRIE

A placa do número de série fica no lado do bloco do motor.

TECHNISCHE DATEN

(UNVERBINDLICH, ÄNDERUNGEN VORBEHALTEN)

Versandgewicht, etwa 545 kg

ABMESSUNGEN

Länge 915 mm

Breite 810 mm

Höhe 865 mm

FÜLLMENGEN

Schmierung: Motor: Zahnradpumpe

Kurbelgehäuse: (mit Filtern) 11 l

Kühlsystem: (nur Motor) 25 l

LAGE DER SERIENNUMMERNSCHILDER

Das Seriennummernschild befindet sich am Motorblock.

PRINTED IN U.S.A.

FORM UEG0620S

STATIONARY POINTS

TABLE 1

STATION	DATE	TIME	TEMP.	WIND	SEA
1	1/1	10:00	50.0	10	1/2
2	1/1	11:00	50.0	10	1/2
3	1/1	12:00	50.0	10	1/2
4	1/1	13:00	50.0	10	1/2
5	1/1	14:00	50.0	10	1/2
6	1/1	15:00	50.0	10	1/2
7	1/1	16:00	50.0	10	1/2
8	1/1	17:00	50.0	10	1/2
9	1/1	18:00	50.0	10	1/2
10	1/1	19:00	50.0	10	1/2

STATION	DATE	TIME	TEMP.	WIND	SEA
11	1/1	20:00	50.0	10	1/2
12	1/1	21:00	50.0	10	1/2
13	1/1	22:00	50.0	10	1/2
14	1/1	23:00	50.0	10	1/2
15	1/1	00:00	50.0	10	1/2

STATIONARY POINTS

STATION	DATE	TIME	TEMP.	WIND	SEA
16	1/1	01:00	50.0	10	1/2
17	1/1	02:00	50.0	10	1/2
18	1/1	03:00	50.0	10	1/2
19	1/1	04:00	50.0	10	1/2
20	1/1	05:00	50.0	10	1/2

STATION	DATE	TIME	TEMP.	WIND	SEA
21	1/1	06:00	50.0	10	1/2
22	1/1	07:00	50.0	10	1/2
23	1/1	08:00	50.0	10	1/2
24	1/1	09:00	50.0	10	1/2

STATION	DATE	TIME	TEMP.	WIND	SEA
25	1/1	10:00	50.0	10	1/2
26	1/1	11:00	50.0	10	1/2
27	1/1	12:00	50.0	10	1/2
28	1/1	13:00	50.0	10	1/2
29	1/1	14:00	50.0	10	1/2
30	1/1	15:00	50.0	10	1/2
31	1/1	16:00	50.0	10	1/2
32	1/1	17:00	50.0	10	1/2
33	1/1	18:00	50.0	10	1/2
34	1/1	19:00	50.0	10	1/2
35	1/1	20:00	50.0	10	1/2
36	1/1	21:00	50.0	10	1/2
37	1/1	22:00	50.0	10	1/2
38	1/1	23:00	50.0	10	1/2
39	1/1	00:00	50.0	10	1/2
40	1/1	01:00	50.0	10	1/2
41	1/1	02:00	50.0	10	1/2
42	1/1	03:00	50.0	10	1/2
43	1/1	04:00	50.0	10	1/2
44	1/1	05:00	50.0	10	1/2
45	1/1	06:00	50.0	10	1/2
46	1/1	07:00	50.0	10	1/2
47	1/1	08:00	50.0	10	1/2
48	1/1	09:00	50.0	10	1/2
49	1/1	10:00	50.0	10	1/2
50	1/1	11:00	50.0	10	1/2
51	1/1	12:00	50.0	10	1/2
52	1/1	13:00	50.0	10	1/2
53	1/1	14:00	50.0	10	1/2
54	1/1	15:00	50.0	10	1/2
55	1/1	16:00	50.0	10	1/2
56	1/1	17:00	50.0	10	1/2
57	1/1	18:00	50.0	10	1/2
58	1/1	19:00	50.0	10	1/2
59	1/1	20:00	50.0	10	1/2
60	1/1	21:00	50.0	10	1/2
61	1/1	22:00	50.0	10	1/2
62	1/1	23:00	50.0	10	1/2
63	1/1	00:00	50.0	10	1/2
64	1/1	01:00	50.0	10	1/2
65	1/1	02:00	50.0	10	1/2
66	1/1	03:00	50.0	10	1/2
67	1/1	04:00	50.0	10	1/2
68	1/1	05:00	50.0	10	1/2
69	1/1	06:00	50.0	10	1/2
70	1/1	07:00	50.0	10	1/2
71	1/1	08:00	50.0	10	1/2
72	1/1	09:00	50.0	10	1/2
73	1/1	10:00	50.0	10	1/2
74	1/1	11:00	50.0	10	1/2
75	1/1	12:00	50.0	10	1/2
76	1/1	13:00	50.0	10	1/2
77	1/1	14:00	50.0	10	1/2
78	1/1	15:00	50.0	10	1/2
79	1/1	16:00	50.0	10	1/2
80	1/1	17:00	50.0	10	1/2
81	1/1	18:00	50.0	10	1/2
82	1/1	19:00	50.0	10	1/2
83	1/1	20:00	50.0	10	1/2
84	1/1	21:00	50.0	10	1/2
85	1/1	22:00	50.0	10	1/2
86	1/1	23:00	50.0	10	1/2
87	1/1	00:00	50.0	10	1/2
88	1/1	01:00	50.0	10	1/2
89	1/1	02:00	50.0	10	1/2
90	1/1	03:00	50.0	10	1/2
91	1/1	04:00	50.0	10	1/2
92	1/1	05:00	50.0	10	1/2
93	1/1	06:00	50.0	10	1/2
94	1/1	07:00	50.0	10	1/2
95	1/1	08:00	50.0	10	1/2
96	1/1	09:00	50.0	10	1/2
97	1/1	10:00	50.0	10	1/2
98	1/1	11:00	50.0	10	1/2
99	1/1	12:00	50.0	10	1/2
100	1/1	13:00	50.0	10	1/2