

PARTS LIST
GR15W4-C
GR15W4-D
GR15W4-J

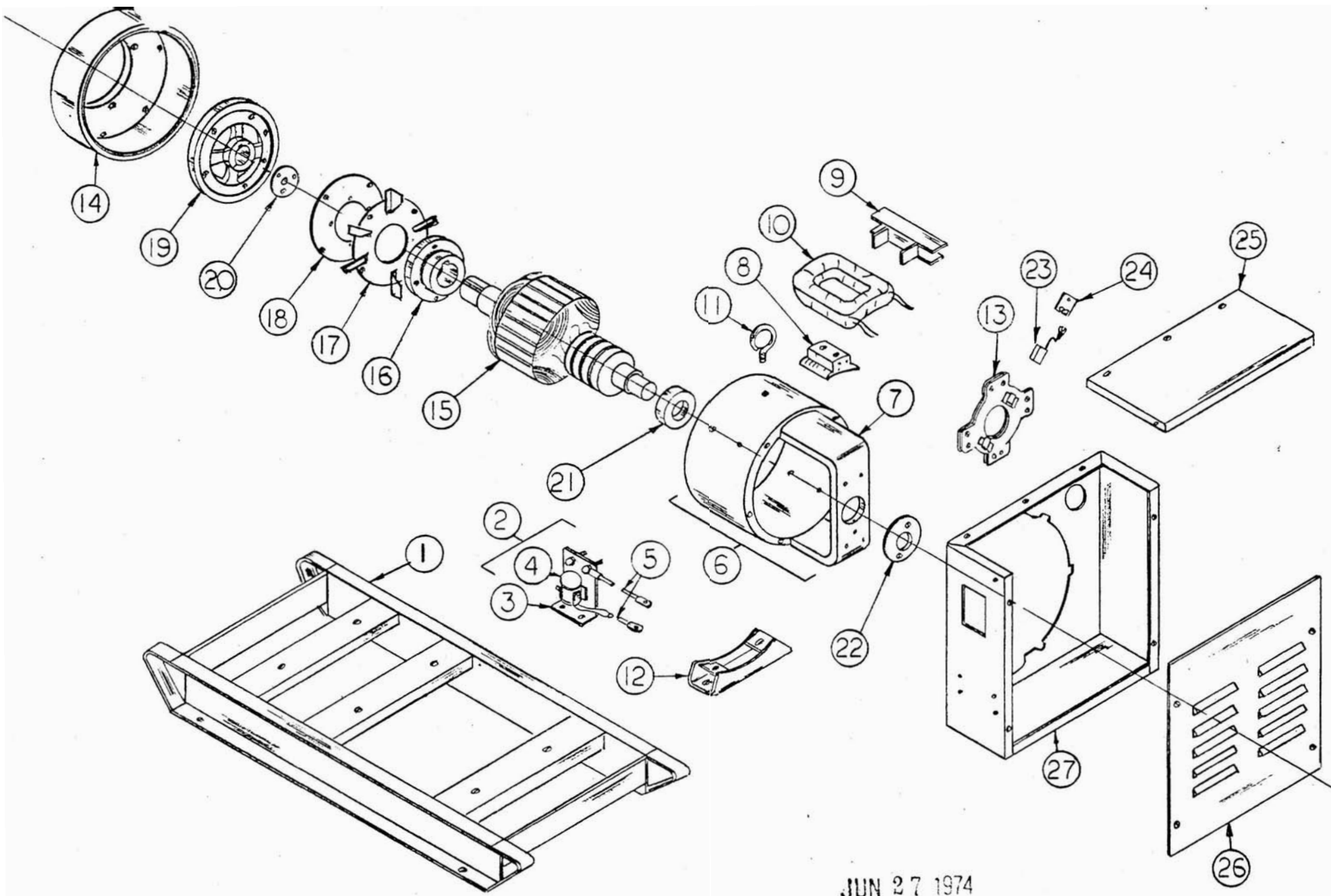
<u>FIND NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REQ/UNIT</u>
Not Shown	EC-12601	Engine Wisc. VG4D	1
1	G-4853	Skid	1
2	G-5135	Start Contactor Assy	1
3	S-5859	Bracket	1
4	EE-1201	Solenoid	1
5	EN-7.47	Battery Cables	2
6	G-4769-1	Field Frame Assy (GR15W4-C)	1
6	G-4769-2	Field Frame Assy (GR15W4-D)	1
6	G-4769-1.5	Field Frame Assy (GR15W4-J)	1
7	G-4767	Field Frame	1
8	G-2547	Field Pole Assy	4
9	J-314-1	Coil Shield	8
10	H-918	Field Coil (GR15W4-C)	Set of 4
10	H-938	Field Coil (GR15W4-D)	Set of 4
10	H-1090	Field Coil (GR15W4-J)	Set of 4
11	S-859	Lift Ring	1
12	G-5225	Generator Support	1
13	G-5487	Brush Gear Assy (GR15W4-C)	1
13	G-5459	Brush Gear Assy (GR15W4-D & J)	1
14	I-803	Drive End Bell	1
15	G-4766-9	Armature Assy (GR15W4-C)	1
15	G-4766-10	Armature Assy (GR15W4-D)	1
15	G-4766-56	Armature Assy (GR15W4-J)	1
16	I-794	Coupling Hub	1
17	G-5249	Fan Assy	1
18	S-4872	Coupling Disc	1
19	I-804	Adapter Coupling	1
20	S-5287	Retaining Washer	1
21	D-8	Bearing	1
22	W-43	Bearing Retainer	1
23	Y-51	Brush (GR15W4-C)	6
23	Y-51	Brush (GR15W4-D & J)	8
24	G-3422	Brush Spring (GR15W4-C)	6
24	G-3422	Brush Spring (GR15W4-D & J)	8
25	S-6927	Panel Top Cover	1
26	S-5851-2	Panel Front	1
27	G-5228-59	Panel Back Assy (GR15W4-C)	1
27	G-5228-64	Panel Back Assy (GR15W4-D)	1
27	G-5228-67	Panel Back Assy (GR15W4-J)	1

Wiring Diagram (GR15W4-C) Z-2060, C-6132
Wiring Diagram (GR15W4-D) Z-2094-1, C-6180-1
Wiring Diagram (GR15W4-J) Z-2231-1, C-6357-1
Parts Drawing E-8558

GR

15W4

C, D, J



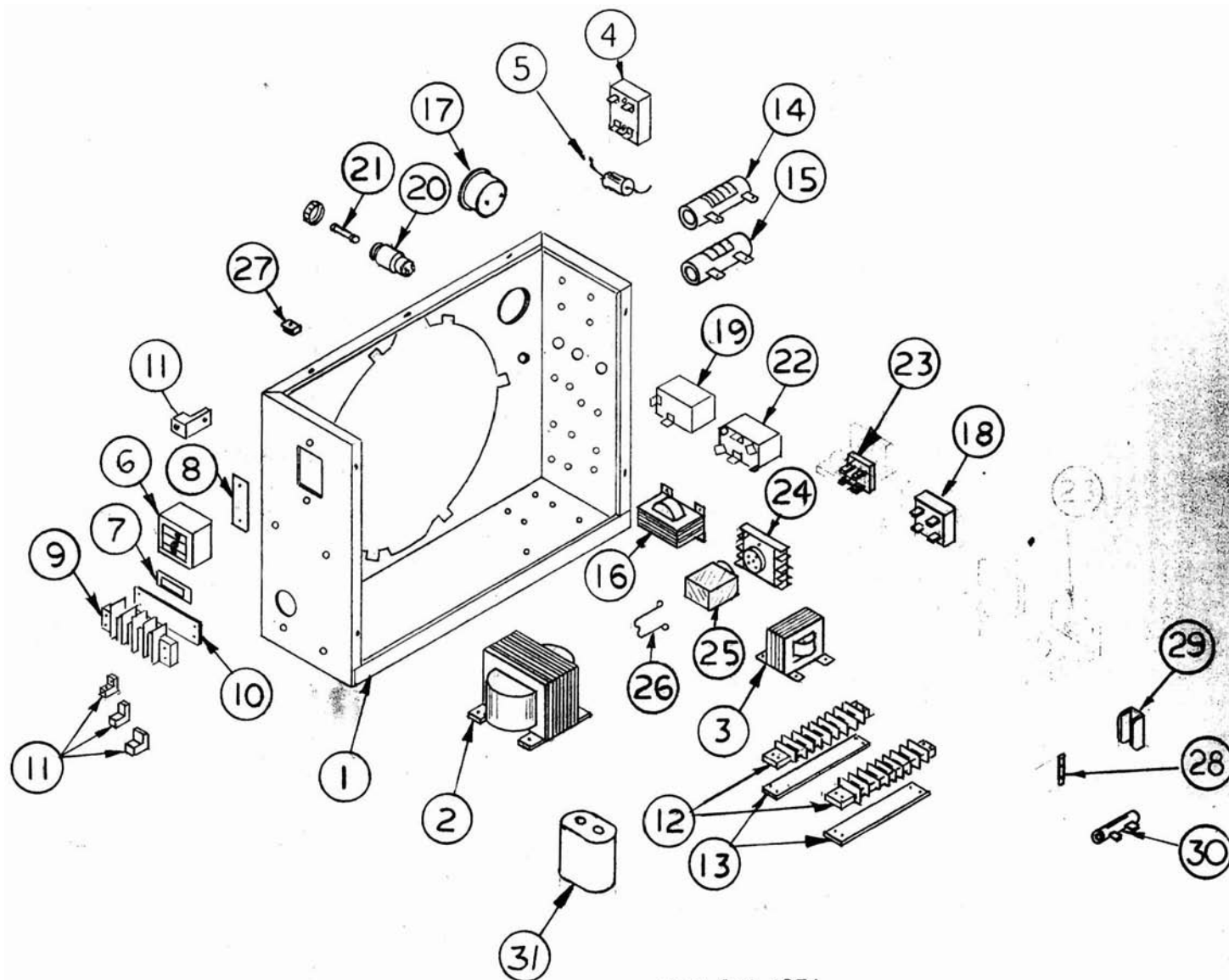
E-8558

PARTS LIST
 PANEL BACK ASSEMBLY
 GR15W4-C
 GR15W4-D
 GR15W4-J

<u>FIND NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REQ'D/UNIT</u>
	G-5228-59	Panel Back Assy (GR15W4-C)	1
	G-5228-64	Panel Back Assy (GR15W4-D)	1
	G-5228-67	Panel Back Assy (GR15W4-J)	1
1	G-5838-3	Panel Back	1
2	EE-969-1	Transformer	1
3	EE-1950-1	Reactor	1
* 4	EE-2171 -4	Rectifier Assy	2
5	EE-2142	Thyrector	1
6	EE-1808	Circuit Breaker (GR15W4-C)	1
6	EE-858-1	Circuit Breaker (GR15W4-D & J)	1
7	EE-779	Filler Plate (GR15W4-C)	1
8	S-5027-1	Mounting Plate	1
9	EE-658	Terminal Board	1
10	EE-658-1	Marker Strip	1
11	EE-1671	Lug	4
12	EE-653	Terminal Board	2
13	EE-653-2	Marker Strip	2
14	R-107	Resistor 10 Ohm 25W	1
15	R-217	Resistor 0.8 Ohm 40W	1
16	EE-1951	Transformer, Batt. Charger	1
17	AM-100	Ammeter, Batt. Charger	1
18	EE-2171	Rectifier Assy, Batt. Charger	1
19	EE-168	Switch, Hi-Lo Battery	1
20	EE-425	Fuse Holder	1
21	EE-441	Fuse	1
22	EE-166	Switch, Start-Stop	1
23	G-5183-1	Rectifier Assembly	1
24	EE-1207-1	Relay Base	1
25	EE-1207-2	Hold Down Spring	1
26	EE-1207-3	Relay, Mr.	1
27	4957	Tinnerman	7
28	EE-441	Fuse	1
29	EE-416	Fuse Block	1
30	R-95	Resistor	1

Wiring Diagram Z-2060, C-6132 (GR15W4-C)
 Wiring Diagram Z-2094, C-6180 (GR15W4-D)
 Wiring Diagram Z-2231, C-6357 (GR15W4-J)
 Parts Diagram E-8563

IE-8563

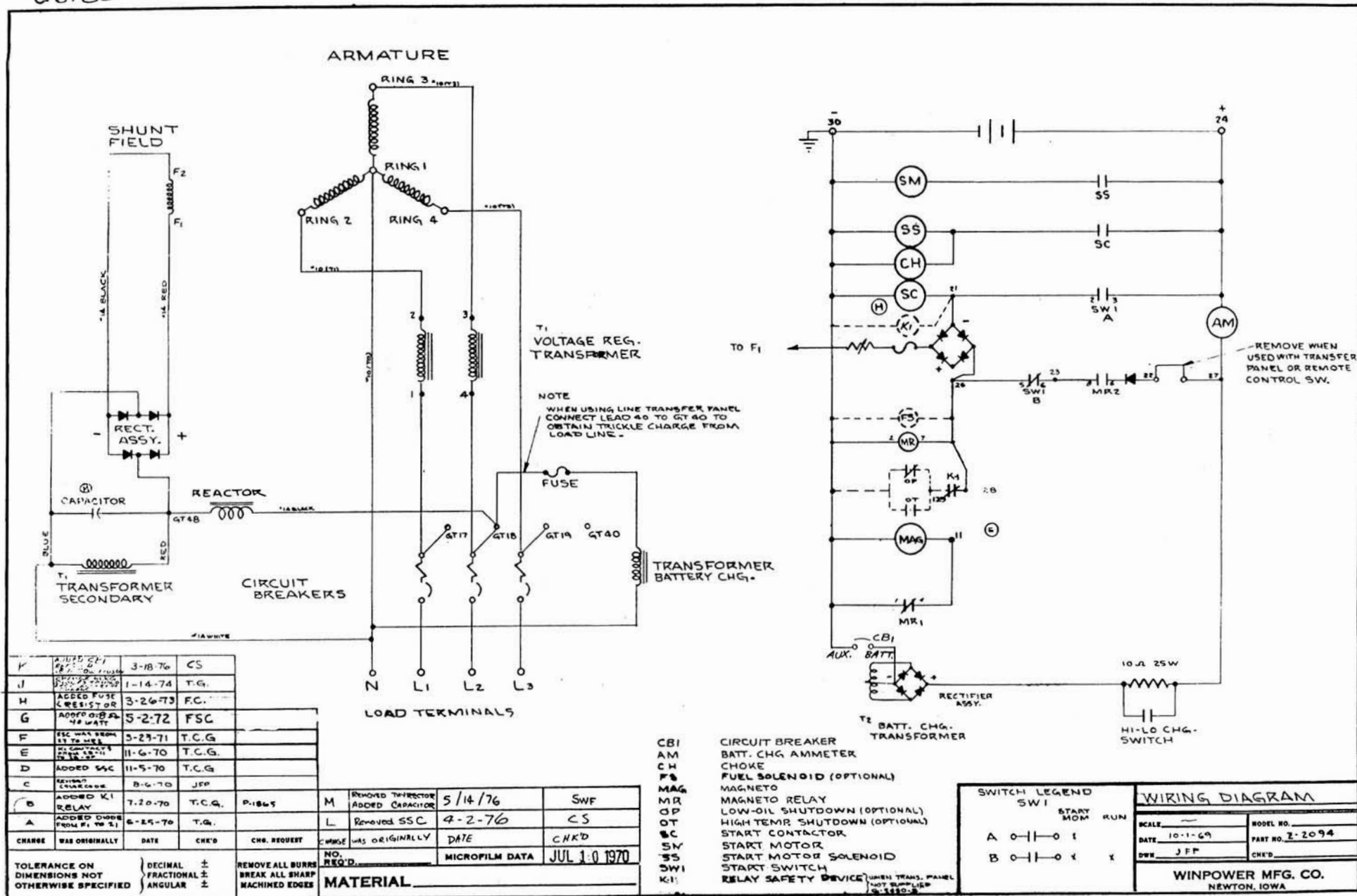


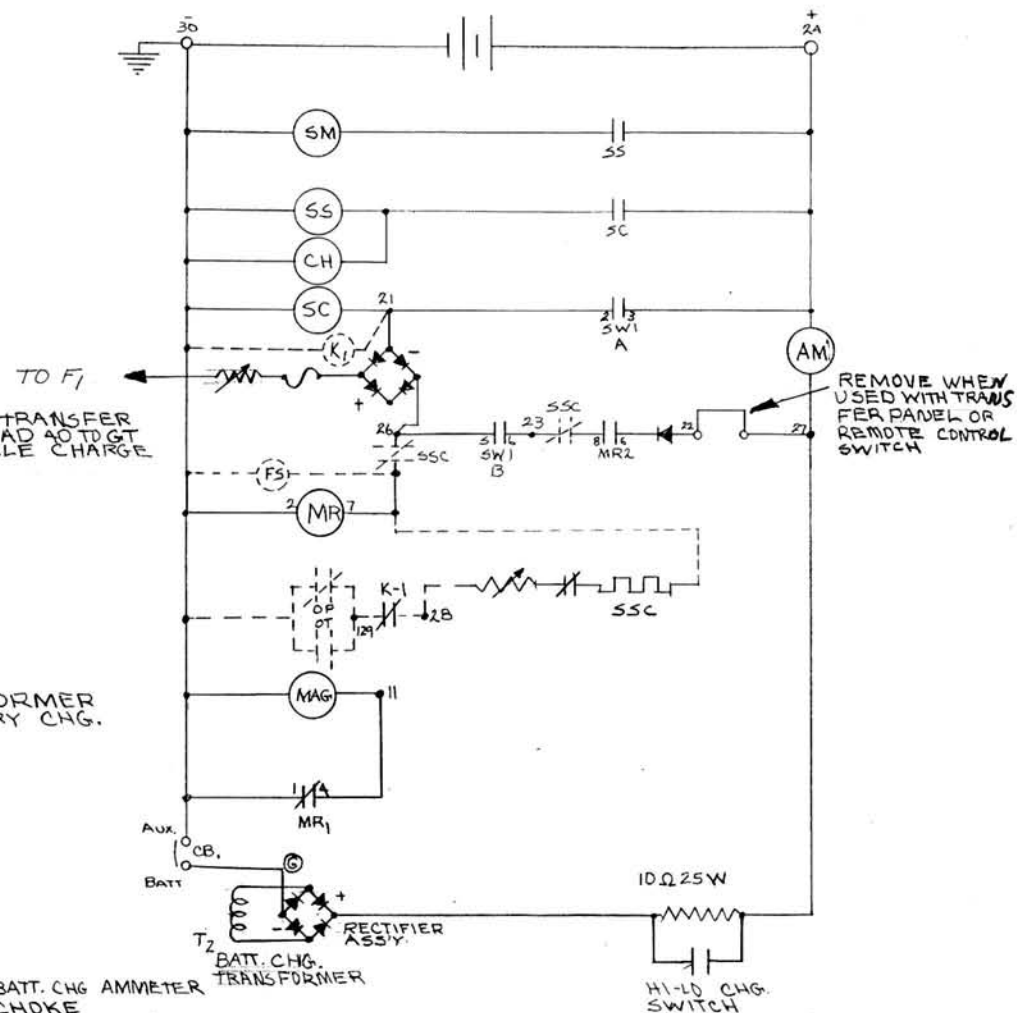
JUN 27 1974

JUL 25 1977

IE-8563

C-6180





NOTE
WHEN USING LINE TRANSFER
PANEL CONNECT LEAD 40 TO GT
40 TO OBTAIN TRICKLE CHARGE
FROM LOAD LINE.

TRANSFORMER
BATTERY CHG.

AM	BATT. CHG AMMETER	TRANSFORMER
CH	CHOKE	
FS	FUEL SOLENOID (OPTIONAL)	
MAG	MAGNETO	
MR	MAGNETO RELAY	
OP	LOW-OIL SHUTDOWN (OPTIONAL)	
QT	HIGH TEMP SHUTDOWN (OPTIONAL)	
SC	START CONTACTOR	
S/M	START MOTOR	
SS	START MOTOR SOLENOID	
SWI	START SWITCH	
K-1	RELAY SAFETY DEVICE	} WHEN TRANS PANEL NOT SUPP.
SSC	SAFETY DEVICE BRKR.	

G-5440-S

SWITCH LEGEND			
SWI		START MDM	RUN
Aa		o	X
Ba		o	X

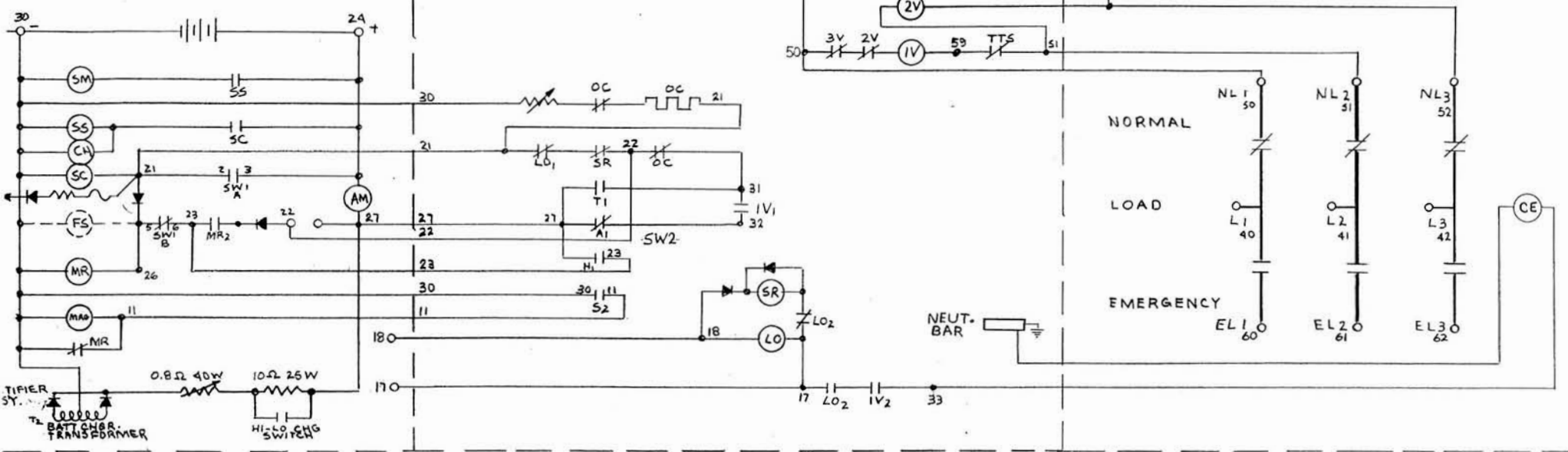
WIRING DIAGRAM

SCALE <u>1</u>	MODEL NO. <u> </u>
DATE <u>4-15-74</u>	PART NO. <u>1C-6357</u>
DWN <u>S.F.</u>	CHK'D <u>T.C.G. 4-30</u>

WINPOWER MFG. CO.
NEWTON, IOWA

IC-6357

	REMOVED THYRISTOR	3-11-77	KH	
	Moved wire	10-29-76	KH	N.R.
	ADDED CBI & REMOVED Q8D SOW REGULATOR	4-12-76	SWF	
	REDRAWN	4-15-76	SF.	
Q#	WAS ORIGINALLY	DATE	CHK'D	CHG. REQUEST
ERANCE ON INSIONS NOT OTHERWISE SPECIFIED } DECIMAL ± } FRACTIONAL ± } ANGULAR ±			REMOVE ALL BURRS BREAK ALL SHARP MACHINED EDGES	
			NO. REQ'D _____	MICROFILM DATA JUN 27 1974
MATERIAL _____				



SWITCH LEGEND

	START	MDM.	RUN	STOP
A0		X		
B0		X	X	

SW1 MUST BE IN "RUN" POSITION WHEN CONNECTED TO TRANSFER PANEL

POSITION
A T H S

A2					A1	X
T2					T1	X
H2					H1	X
S2					S1	X

CONTACTS CLOSED AS INDICATED BY "X"

ALL RELAY CONTACTS SHOWN FOR LOAD ENERGIZATION FROM NORMAL SOURCE

LEGEND

AM	AMMETER BATT. CHR.G.
CE	TRANSFER SOLENOID
CH	CHOKE
MR	MAGNETO RELAY
MAG	MAGNETO
LO	LOCKOUT RELAY
FS	FUEL SOLENOID (WHEN REQ'D)
OC	OVERCRANKING CUTOUT
SC	START CONTACTOR
SM	START MOTOR
SS	START MOTOR SOLENOID
SR	START RELAY
SW1	START SWITCH
SW2	OPERATION SELECTOR SWITCH
TTS	TRANSFER TEST SWITCH
IV, 2V, 3V	PHASE SENSING RELAYS

6358.2

3PHASE, DELTA
TRANSFER SERIES;
"ATS" & "RTS"
MAGNETO IGNITION

REDRAWN	4-24-74	S.F.			
WAS ORIGINALLY	DATE	CHK'D	CHG. REQUEST	NO. REQ'D	MICROFILM DATA
					JUL 20 1977
					JUN 27 1974

FRANCE ON
INSTRUCTIONS NOT

SCHEMATIC DIAGRA	
SCALE 2	MODEL NO.
DATE 4-24-74	PART NO. JC-63
DWN S.F.	CHK'D J.C.G. & J.
WINNOWER MFG CO	

GR 15 Auto start circuit