

ITEM	DESCRIPTION	QUAN. USED	PART NO.
C1	CAPACITOR, 6000 MFD-15V(PS-15)	1	679-161
C2	CAPACITOR, 10 MFD-600V(PS-15)	1	679-79
C3	CONDENSER PACK ASS'Y.	1	2-2025
L1	CHOKER (PS-15)	1	778-8
PL-1	PLUG, A. C. (PS-15)	1	825-3
R1	RESISTOR, 5 OHM-5W (PS-15)	1	684-87
R2	RESISTOR, 47 OHM-1/2W (PS-15)	1	680-95
R3	RESISTOR, 2500 OHM-5W (PS-15)	1	684-226
R4	RESISTOR, 470K OHM-1W (PS-15)	1	680-146
SL1	RECTIFIER, Selenium (PS-15)	1	774-203
SL2	RECTIFIER, Selenium (PS-15-Pencil Type)	1	774-115
SO. 1	RECEPTACLE, A. C. (PS-15)	1	825-15
SO. 2	RECEPTACLE, 5 Pin (PS-15)	1	763-1
SO. 3	RECEPTACLE, 8 Pin (PS-15)	1	763-4
T1	TRANSFORMER, Power (PS-15)	1	778-128
T2	TRANSFORMER, Trigger (PS-15)	1	778-129
V1	TUBE, 5U4G (PS-15)	1	859-4
1.	BEARINGS	2	688-20
2.	BRACE, Slide Post Tie	1	7067-004
3.	BRACKET & PUMP Assembly, Cone	1	7009-053
	BEARINGS,	2	688-20
	BRACKET, Cone Support	1	7060-002
	CAM, Pump, Actuating	1	5991
	CONE & SHAFT Assembly	1	2-332-1
	LOCKWASHER, 1/2" Split	1	604-35
	NUT, 1/2" - 20" (Pulley Retainer)	1	409-81
	PLATE, Bearing Cover	1	141
	PULLEY, Drive	1	659-7
	SPACER, 1/8" Lg. (Pump to Cone Brkt)	1	400-224
	SPRING, Compression	1	1467
	WASHER, 3/8" x 1/64" Thick	2	400-4
	WASHER, 5/8" O. D. x 1/32" (Between Cam & Bearing)	1	400-453
	PUMP ASS'Y., VACUUM	1	5986-001
	BODY, Pump	1	7024-009
	CLIP, Spring	1	7032-003
	PISTON ROD ASS'Y.,	1	5988-001
	SEAT ASS'Y., Valve	1	7009-041
	SPRING, Compression	1	711-129
	STRIP, Felt Oiler	1	7033-004
	WASHER, Felt	1	400-807
	SPACER, 1/2" Lg. x 1/2" I. D. (Pulley to Bracket)	1	107-4
4.	BRUSH, Carbon, W/Spring	2	146-1A
5.	CAM, 4 Lobe (on bottom of spindle Shaft)	1	1324
6.	CASTING, Base	1	7068-003
7.	CHUCK, 3 Jaw	1	245-2
	PIN, Chuck Aligning, W/Screw	1	1112A

ITEM	DESCRIPTION	QUAN. USED	PART NO.
8.	CHUCK Arm & Slide Assembly	1	7009-049
	ARM, R. H. Chuck, W/Jaw	1	7064-502
	JAW, R. H. Chuck Arm	1	1114
	ARM, L. H. CHUCK, W/Jaw	1	7065-502
	JAW, L. H. Chuck Arm	1	1114-1
	SLIDE, Chuck Arm	1	7063-003
	SCREW, Chuck Arm (L. H. & R. H. Threads) . .	1	1113
	PIN, Wrist	2	1117
	BUSHING, L. H.	1	1118
	BUSHING, R. H.	1	1118-1
	NUT, Slide Bushing	2	1138-3
	BUSHING, Slide Casting Alignment	2	1140-3
	WHEEL, Hand	1	1185
	TERMINAL, Ground, R. H. Chuck Arm	1	579
	SCREW, Set; 5/16" - 18" x 3/8"	2	686-13
	SCREW, Set; 1/4" - 20" x 7/16"	1	686-31
9.	CLAMP, Condenser (PS-15)	2	1690-3
10.	CLAMP, Contact Rod Guide	1	129-1
11.	CLIP, Retainer (PS-15)	2	768-901
12.	COVER ASS'Y., Trigger	1	7069-501
	COVER	1	7069-002
	LEAD Assembly (Hi-Tension)	1	2-105-18
	RING Assembly, Collector	1	134-A2
	RETAINER, Wire	1	1339
13.	FORK ASS'Y., Idler Wheel	1	106-502
	RETAINER, Bearing	1	1337
	BOLT & SPACER ASS'Y., Idler Wheel	1	7009-005
	FORK CASTING, Idler	1	106-3
	CONTACT ROD ASS'Y., Capacitor	1	130-2A
	BEARINGS,	2	688-10
	WHEEL, Idler	1	1480-1
14.	LIGHT HOUSING ASSEMBLY (Less chuck & bearings)	1	7009-046
	DISC, Drive	1	7046-003
	HOUSING & BUSHING ASSEMBLY	1	7066-502
(F. T.)	FLASH TUBE Assembly	1	1045-4A
	SHAFT, Spindle	1	1157-2
	UNIVERSAL Assembly	1	1225-2
	RING & PIN Assembly	1	1108-2A
	PLATE, Brass	1	1109-3
	SCREW, Stop; 10-32 Special	2	1110-1
	RING, Rubber	2	150-3
	PIVOT	4	308-4
	LINK, Bakelite	1	310-2
	WASHER, Brass	2	400-187
	NUT, Stop Screw; 10-32 Special	2	409-118
	LOCKWASHER, 10-32	2	604-11
	SPRING (Drive & Retaining Stud)	4	1332
	STUD, Spring Retaining	2	1332

ITEM	DESCRIPTION	QUAN. USED	PART NO.
14.	LIGHT HOUSING ASSEMBLY (Cont'd from page 4)		
	STUD, Drive	2	1334-4
	INSULATOR, Spindle Shaft Contact	1	243
	LENS, Bullseye	1	392
	WASHER (Balance Weight)	12	400-183
	RETAINING RING, Spindle	1	619-23
	CONTACT, Spindle Shaft; W/wire Attached	1	663-72A
(C4)	CAPACITOR, .25 MFD - 600V	1	679-177
	SCREW, Cap; 1/4" - 20" x 1/2"	1	686-45
	WASHER, Spring (Lens Retaining)	2	699-4
15.	NUT, 1/2" - 20" (Spindle Shaft Retaining)	1	409-81
16.	LEAD ASS'Y., Distributor; W/Clip and Boot	1	6004-055
	CLIP, Primary	1	672-3
	BOOT, Primary Clip Red	1	190-2
17.	LEAD ASS'Y., Ground; W/Clip and Boot	1	6004-054
	CLIP, Ground	1	672-3
	BOOT, Ground Clip; Black	1	190-1
18.	PANEL ASSEMBLY, Distributor	1	7020-175
	PLATE, Name	1	1240-23
	SCREW, Drive	2	610-29
19.	POST, Slide	2	152-1
20.	POWER SUPPLY (PS-15) Complete	1	4-1001
21.	RECEPTACLE, Trigger Wire Pin Jack (PS-15)	1	1041-2
22.	RELAY ASS'Y., Mechanical	1	1340-3
	PIN, Relay Push Pin	1	1325-1
23.	RING ASS'Y., Index	1	7046-501
24.	RING, Retaining (PS-15, Plug & Receptacle)	2	825-7-2
25.	ROLLER	8	174-501
	RING, Rubber	8	189-002
	STUD	8	188
26.	SCREW, Elevation	1	125-2
	WASHER, Spring; 7/16"	1	699-3
	COLLAR, Elevation Screw	1	1042-2
27.	SCREW, Speed Control	1	126-1
	WASHER, Spring; 9/32"	1	699-1
	COLLAR, Speed Control	1	1042-1
28.	SOCKET & BRACKET ASS'Y., Tube (PS-15)	1	1370-A5
29.	SPACER, Spindle Bearing	1	107-2
30.	STRIP, Terminal (PS-15)	1	1365-2
31.	WHEEL ASS'Y., Hand	2	1105-A1
<u>SHIPPING CARTON AND INSERTS</u>			
	CARTON	1	673-119
	INSERT	1	673-119-1
	INSERT	1	673-119-2
	INSERT	1	673-119-3
	INSERT	1	673-119-4

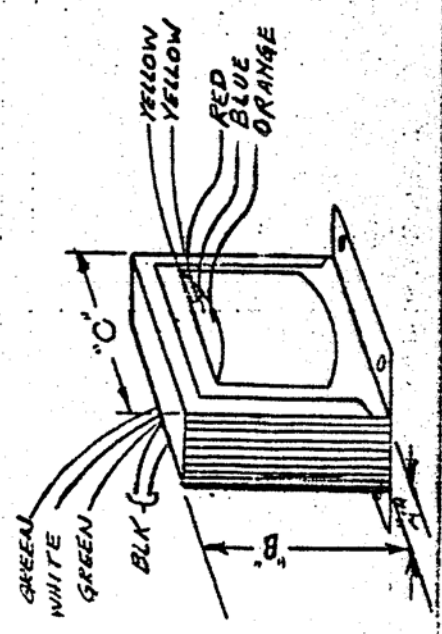
115V. A.C.	760V. A.C.C.T.	5V. C.	12. V. A.C.
50/60 Cycle.	50 M.A. D.C.	2 AMPS	C.T. 1 AMP.
Leads			
Start	Black 11"	Orange 4-1/2"	Yellow 6"
Finish	Black 11"	Red 5-1/2"	Green 6"
Tap		Blue 5-1/2"	White 4"

1/32" P.V. G. Cotton Covered Wire S&T 3/8"
 Or 105° C P.V.C.

Impregnation Varnish - Shells Potted with Heat Conductive Compound

Mounting Hardware Kobzy 1" Horizontal Mounted Cover with Two Legs
 Cover (2)

VOLTAGE BREAKDOWN TESTS: Refer to Sheet #2



A = 1 3/8"
 B = 2 1/2"
 C = 3"

Electrical Winding
 X-EF-249-A or Equivalent

SUN ELECTRIC CORPORATION
 6313 AVONDALE AVE., CHICAGO 31 ILLINOIS

POWER TRANSFORMER
 115 V.A.C. - 50/60 Cycle
 (PS-15 & PS-16)

DRG. BY R.H.R.

CHK. BY J.K.

DATE 11-6-58

9/12/68
 ISSUE NO. 7

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A. Item - When used for any purpose other than the connection with a retailer related to the electrical practice of the United States Government, the user must be advised of the obligation of the user to the Government and that the Government may have furnished, furnished, or is to be furnished the data, drawings, specifications or other data in a manner to be required by the manufacturer or otherwise as in any manner to be required by the manufacturer, use, or sell any patented invention that may in any way be related thereto.

REVISIONS

SYM.	DESCRIPTION	DATE	APPROVA

TRANSFORMER TEST POTENTIAL

A. An a-c potential of 1000v plus twice rated primary voltage applied between the primary winding and the core with the secondary windings connected to the core.

B. An a-c potential of 1000v plus twice the rated secondary voltage applied between the secondary windings and the core, except that for secondary windings rated 30v or less, the test voltage may be reduced to 500v.

C. As an alternative, potentials 20 per cent higher may be applied for one second.

D. The application of twice the max primary rated voltage at suitable frequency to give a total of 7200 cycles, between the ends of the primary winding with the secondary windings open-circuited. If one end of center tap of the high-voltage secondary winding is normally grounded, it shall be connected to the core. Also, if a rectifier filament winding is normally operated at secondary high-voltage potentials, it shall be connected to one ungrounded end of the high-voltage secondary.

Notes: Section (C) applicable only to transformers with high voltage secondary winding.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON SPACINGS DECIMALS ANGLES	FINISH	DWG BY	J.D.
		CHK BY	<i>[Signature]</i>
MATERIAL	1 TRANSFORMERS, POWER	ENGR	<i>[Signature]</i>
		ENGR	<i>[Signature]</i>
		APPROVED	
		(115V - 50/60 CYCLE)	
		A	
		DWG SIZE	
		778-128	
		SUN ELECTRIC CORPORATION	
		HARLEM & AVONDALE CHICAGO 31, ILLINOIS	