

M A T E R I A L L I S T

MODE INDICATING DEVICE

MODEL MID-1

SECTION I: Electrical Components and Mechanical Parts

SECTION II: Hardware

SECTION III: Supporting Drawings

SECTION IV: Loose Items

CHECKED: h.k.APPROVED: NK

TYPED: May 4, 1961 NK/hh

PROJECT: E-1147-P

BILL OF MATERIAL		MODEL	PROJ. NO.	LIST NO.
		MID-1	E-1147-P	ML-10135
		ISSUE		SHEET 1 OF 5 SHEETS
PART NO.	QUAN. PER ONE EQUIP.	DESCRIPTION	REMARKS	
SECTION I: <u>Electrical Components and Mechanical Parts</u>				
BI-101-47	3	LAMP	I101, I102, I103	
CA-103-72	1	CORD: power		
CA-10139	1	HARNESS: power supply		
CC-100-9	22	CAPACITOR: fixed, disc., ceramic, .001 uf.	C110 to C131	
CE52F200R	1	CAPACITOR: electrolytic, plug-in type, 2 x 20 ufd, 450 WVDC.	C109A, C109B	
CM35B103K	2	CAPACITOR: fixed, mica, .01 ufd.	C107, C108	
CN-10005-3	6	CAPACITOR: fixed, tubular, .47 ufd.	C101, 102, 103, 104, 105, 106	
CV-139-3B	4	FERRULE		
EY-100-1	2	RIVET		
EY-102-2	1	GROMMET		
FC-102-1-XX-N	2	CLIP		
FH-104-3	1	HOLDER: fuse		
FS-102-2	4	SPRING: type S	FX101	
FS-109-3	4	RING: retainer		
FS-110-1	4	STUD: slotted head		
FU-102-.25	2	FUSE: slow blow, 1/4 amp.	F101	
HA-102-2BN	2	HANDLE		
HB-101-2	2	PLUG: button		
1N478	8	DIODE: germanium		
JJ-100	1	SOCKET: power	J101	
LD-10156 TMC	1	PANEL: front, engraved, TMC grey	REF. MS-10530 panel machined	
LD-10157	1	CHASSIS: silkscreened	REF. MS-10526 chassis punching	
MS-10527	2	BRACKET: mounting potentiometer		
MS-10528-1	1	BRACKET: side, left		
MS-10528-2	1	BRACKET: side, right		
MS-10529	1	COVER: bottom		

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SWITCH MODE INDICATING DEVICE MODEL MID-1

BILL OF MATERIAL		MODEL	PROJ. NO.	LIST NO.
		MID-1	E-1147-P	ML-10135
		ISSUE		SHEET 2 OF 5 SHEETS
PART NO.	QUAN. PER ONE EQUIP.	DESCRIPTION		REMARKS
MWC22(7)U0	AR.	WIRE: # 22 black		
MWC22(7)U1	AR.	WIRE: # 22 brown		
MWC22(7)U2		WIRE: # 22 red		
MWC22(7)U3		WIRE: # 22 orange		
MWC22(7)U4		WIRE: # 22 yellow		
MWC22(7)U5		WIRE: # 22 green		
MWC22(7)U9		WIRE: # 22 white		
MWC22(7)U90		WIRE: # 22 white/black		
MWC22(7)U91		WIRE: # 22 white/brown		
MWC22(7)U92		WIRE: # 22 white/red		
MWC22(7)U93		WIRE: # 22 white/orange		
MWC22(7)U94		WIRE: # 22 white/yellow		
MWC22(7)U95		WIRE: # 22 white/green		
MWC20(7)U8		WIRE: # 20 grey		
MWC20(7)U9		WIRE: # 20 white		
WL-100-7		WIRE: buss # 22		
WL-100-4		WIRE: buss # 16		
NP-354	1	NAMEPLATE: identification		
NP-10081-502	1	NAMEPLATE: MID-1		
PP-10083	2	MOUNTING BOARD: rectifier		
PX-104-1-.042	AR.	INSULATION: sleeving		
RC20GF103K	2	RESISTOR: fixed, carbon, 10K ohm, ± 10%, 1/2 watt.		R106, R113
RC20GF331K	4	RESISTOR: fixed, carbon, 330 ohm, ± 10%, 1/2 watt.		R101, R102, R108, R109
RC20GF683K	2	RESISTOR: fixed, carbon, 68K ohm, ± 10%, 1/2 watt.		R104, R111
RC32GF471K	1	RESISTOR: fixed, carbon, 470 ohm, ± 10%, 1 watt.		R115
RC32GF563K	2	RESISTOR: fixed, carbon, 56K ohm, ± 10%, 1 watt.		R107, R114

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SWITCH MODE INDICATING DEVICE MODEL MID-1

BILL OF MATERIAL		MODEL	MID-1				PROJ. NO.	E-1147-P				LIST NO.	ML-10135	
		ISSUE										SHEET 3 OF 5 SHEETS		
PART NO.	QUAN. PER ONE EQUIP.	DESCRIPTION									REMARKS			
RL-10024	2	RELAY: type J, coil 20K ohm, 4 form "C" contacts									K101, K102			
RV4ATSA105A	2	RESISTOR: variable, composition, 1 meg ohm, 2 watt.									R105, R112			
RV4ATXA503A	2	RESISTOR: variable, composition, 50K ohm, 2 watt.									R103, R110			
ST-22K	1	SWITCH: toggle DPDT									S101			
ST-52S	1	SWITCH: toggle, spring loaded									S102			
TE-102-2	2	STAND OFF												
TE-104-3	2	LUG: solder												
TE-108-13	4	SPACER: rivet type												
TE-113	2	LUG: solder												
TE-10003-1	28	TERMINAL: solder												
TE-10011-2	4	LUG: solder												
TF-126	1	TRANSFORMER: power												
TM-100-12	2	BARRIER: terminal, 12 way												
TS-101-PO1	1	SOCKET: octal												
TS-102-PO1	1	SOCKET: tube, 7 pin												
TS-103-PO1	2	SOCKET: tube, 9 pin												
TS-106-1	1	SOCKET: lamp												
TS-106-2	2	SOCKET: lamp												
WI-106-7	2	WIRE: #22, tinned buss												
6X4	1	TUBE: electron, rectifier												
12AU7	2	TUBE: electron, double triode												
TS103U02	2	SHIELD: tube												
TS102U03	1	SHIELD: tube												

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BILL OF MATERIAL		MODEL	MID-1	PROJ. NO.	E-1147-P	LIST NO.	ML-10135
		ISSUE				SHEET	4 OF 5 SHEETS
PART NO.	QUAN. PER ONE EQUIP.	DESCRIPTION				REMARKS	
		<u>SECTION II: Hardware</u>					
LWEO4MRN	10	WASHER					
LWEO6MRN	2	WASHER					
LWE10MRN	4	WASHER					
LWSO3MRN	8	WASHER					
LWSO6MRN	10	WASHER					
LWSO8MRN	6	WASHER					
NTHO440BN8	2	NUT					
NTHO632BN8	16	NUT					
NTHO832BN11	8	NUT					
NTHO348BN6	8	NUT					
SFB0256SN3	4	SCREW: 2-56 self tapping					
SCBSO440BN4	10	SCREW					
SCBSO632BN5	8	SCREW					
SCBSO632BN8	8	SCREW					
SCFSO348BN4	8	SCREW					
SC-10003-1	4	SCREW: socket head 10-32 x 3/4					
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BILL OF MATERIAL		MODEL	MID-1	PROJ. NO.	E-1147-P	LIST NO.	ML-10135
		ISSUE				SHEET	5 OF 5 SHEETS
PART NO.	QUAN. PER ONE EQUIP.	DESCRIPTION				REMARKS	
		<u>SECTION III: Supporting Drawings</u>					
A-10313		FRONT PANEL ASSEMBLY				Drwg. Size	4
A-10318		MOUNTING BOARD ASSEMBLY				" "	2
CA-10139		HARNESS				" "	
LD-10156		FRONT PANEL ENGRAVING				" "	4
LD-10157		CHASSIS ENGRAVING				" "	8
MS-10526		CHASSIS				" "	8
MS-10527		MOUNTING BRACKET POTENTIOMETER				" "	1
MS-10528-1		SIDE BRACKET LEFT				" "	2
MS-10528-2		SIDE BRACKET RIGHT				" "	2
MS-10529		BOTTOM COVER				" "	4
MS-10530		FRONT PANEL				" "	4
PP-10083		MOUNTING BOARD RECTIFIER				" "	1
CK-10412		SCHEMATIC DIAGRAM				" "	8
S-10068		TEST PROCEDURE				" "	1
		<u>SECTION IV: Loose Items</u>					
CA-103-72	1	CORD: power					
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