

BATTERY POWER SUPPLY

MODEL BPSX-1

REV C

TITLE

USED ON  
MODEL SECTION  
BPS\*-1

LIST SECTIONS

- 1.SUPPORTING NOTES
- 2.SUPPORTING LISTS
- 3.ELECTRICAL/MECHANICAL
- 4.SUPP ASSY/REF DWGS
- 5.SPECIFICATIONS
- 6.LOOSE ITEMS
- 7.PARTS PECULIAR

SHEET NO.

SEE BELOW  
NONE REQ  
1-5  
6  
7  
8  
NONE REQ

LAST SYMBOLS

C1001 R1004  
F1004 S1001  
J1006 XF1004  
M1001

COMPILED A.KLEIN  
CHECKED T.MEEHAN  
APPROVED M.GELLMAN  
FNL APPR *L. Gabriel*  
ISS DATE 9-29-64

MISSING SYMBOLS

NONE

NOTE 1. THE FOLLOWING  
SYMBOL,#,IN THE REMARKS  
COLUMN INDICATES THAT THE  
PART NUMBER IMMEDIATELY  
FOLLOWING IT IS THE TMC  
PROPRIETARY MANUFACTURING  
DRAWING FOR THE CORRES-  
PONDING NUMBER IN THE PART  
NUMBER COLUMN.

NOTE 2.ALL ITEMS REFERENCED  
TO THIS NOTE SHALL BE  
OMITTED WHEN THIS UNIT IS  
USED AS PART OF A SYSTEM.

**MATERIAL LIST /  
NUMERICAL PARTS LIST**

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SHEET 1 OF 8

PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
BS100	SOLDER, TIN ALY	A3415-4 CA860 RW124					
CC100-35	CAP., FXD, CER	A3419			1	C1001	
CD101-1MW	CD, NYLON, LACING	CA860					
CF117-1	FORM, COIL	RW124			1		3/8 OD
CU102-2	CLAMP, LOOP	CA860			1		3/16 D
CU102-3	CLAMP, LOOP	CA860			1		1/4 D
CU139-2B	FRL, HDL	A3419			4		
FH103	FUSEHOLDER	A3422 A3422			1 1	XF1003 XF1004	
FH105	FUSEHOLDER	A3422 A3422			1 1	XF1001 XF1002	
FS102-1	LOCKSPRING	A3420 A3421 A3422			6 6 16		28
FS109-3	RING RETAINING	MS3655 MS3656			6 6		12
FS110-1	STUD, TURNLOCK	MS3655 MS3656			6 6		12
FU102-3	FUSE, CTG, 3A	A3422 A3422			1 1	F1003 F1004	
FU102-4	FUSE, CTG, 4A	A3422 A3422			1 1	F1001 F1002	

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PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
FW06HBN	WASH. ,FLAT	A3422			2		
GL101	ADHESIVE	MS3660					
GL103	ADHESIVE ,N-CEL	RW124					
HA102-7BN	HDL ,BOW	A3419			2		
HB123	COV,EL CONN	A3422			4		
IM179-4	INS SH,ELEC	MS3660			1		
JJ200-5	CONN,RECP,ML	A3422		1		J1001	3/C
		A3422		1		J1002	3/C
		A3422		1		J1003	3/C
		A3422		1	4	J1004	3/C
LA101	BAND,MARKER,CBL	CA860			4		1EA NO.1-4
LD1445/MS3651	PNL,FR	A3419			1		
LD1485/MS3652	CHAS,MAIN	A3422			1		
LD1565/MS3660	BRKT,SHLD, MTR	A3422			1		
LWE04MRN	WASH. ,LK,EXT	A3422			30		
LWE06MRN	WASH. ,LK,EXT	A3418		14			
		A3422		8	22		
LWS03MRN	WASH. ,LK,SPLIT	A3420		12			
		A3421		12			
		A3422		32	56		
MP123-5FB	KNOB	A3419			1		
MR176-1	AMMETER,DC	A3419			1	M1001	



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PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
MS3102A14S2S	CONN, RECP, FML	A3422			1	J1005	
MS3102A14S6S	CONN, RECP, FML	A3422			1	J1006	
MS3651	PNL ASSY, FR	LD1445			1		MACH
MS3652	CHAS, MAIN	LD1485			1		
MS3653	PL, SD, LEFT	A3420			1		
MS3654	PL, SD, RIGHT	A3421			1		
MS3655	COV, TOP	A3418			1		
MS3656	COV, BOT	A3418			1		
MS3660	BRKT, SHLD, MTR	LD1565			1		
MS25043-14C	COV, EL. CONN, MS	A3422			1		W/CHAIN
MWC16(19)U2	WIRE, ELEC, INS	A3415-4		8			RED
MWC16(19)U6	WIRE, ELEC, INS	CA860		29	37		RED
MWC16(19)U2	WIRE, ELEC, INS	CA860			23		BLU
MWC16(19)U92	WIRE, ELEC, INS	A3415-4		8			WHT/RED
MWC16(19)U96	WIRE, ELEC, INS	CA860		28	36		WHT/RED
MWC18(16)U2	WIRE, ELEC, INS	CA860			22		WHT/BLU
MWC20(7)U2	WIRE, ELEC, INS	A3422			6		RED
MWC20(7)U3	WIRE, ELEC, INS	A3422			11		RED
MWC20(7)U6	WIRE, ELEC, INS	A3415-4			5		ORN
MWC20(7)U6	WIRE, ELEC, INS	A3415-4		5			BLU
		A3422		15	20		BLU



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PART NO.	DESCRIPTION ELECTRICAL/MECHANICAL	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
SCFP0632BN4	SCR, MACH	A3418			12		
SCFP1032BN8	SCR, MACH	A3419			4		
SFB0256SN3	SCR, TAP. , THD CTG	A3419			4		
SW345	SW, ROTARY	A3419			1	S1001, A, B, C, D	
TE102-2	TERM. , STUD-INS	A3422			6		
TE104-5	TERM. , LUG-LKG	A3419			2		NO. 1/4
TE108-3	NUT, PLN, CLINCH	A3415-3			2		
TE109-3	TERM. , STUD	A3415-3			8		
TE153-2	TERM. , LUG-RING	RW124			2		
TE156-32953	TERM. , LUG-INS	A3419			1		NO. 1/4
TE159-34162	TERM. , LUG-INS	A3419			1		NO. 1/4
WI123-24	WIRE, ELEC, MAG, HT	RW124			36		SZ 24
1N3027B	SCOND DEV, DIO	A3415-4			1	CR1001	ZENER



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PART NO.	DESCRIPTION SUPP ASSY/REF DWGS	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
A3415-1	TERM. BD ,MACH	A3415-2			1		
A3415-2	TERM. BD ,MKG	A3415-3			1		
A3415-3	TERM. BD ,SUBASSY	A3415-4			1		
A3415-4	TERM. BD ,FNL ASSY	A3422			1		
A3418	BPSX-1 FNL ASSY	BPSX-1			1		
A3419	PNL ASSY ,FRONT	A3418			1		
A3420	PL ASSY ,LEFT SD	A3418			1		
A3421	PL ASSY ,RIGHT SD	A3418			1		
A3422	CHAS ASSY ,MAIN	A3418			1		
CA860	WRG HARN ,BRCHD	A3422			1	W1001	
CH343	CHART ,UNIT BKDN	BPSX-1			1		
CK716	DIAG SCHEM	BPSX-1			1		
RW124	RES ,FXD ,WW	A3415-4		1		R1001	
		A3415-4		1	2	R1002	

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SHEET

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PART NO.	DESCRIPTION SPECIFICATIONS	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
S114	ZN CHROMATE PRM	MS3651					
S115	ENAM,SMOOTH GY	MS3651					
S404	IRIDI TE ,YEL	MS3651 MS3652 MS 3653 MS3654 MS3655 MS3656 MS3660					
S811	TEST PROC	BPSX-1			1		



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PART NO.	DESCRIPTION LOOSE ITEMS	ITEM LOCATION			QTY. PER UNIT	REFERENCE SYMBOLS	REMARKS
		USED ON ASSEMBLY	USED TO MOUNT	QTY. PER USED TO MOUNT			
MS3057-6A	CLP,CBL,EL CONN	BPSX-1			1		NOTE 2
MS3106A14S-2P	CONN,PL,ML	BPSX-1			1		4/C, NOTE 2
MS3106A14S-6P	CONN,PL,ML	BPSX-1			1		6/C, NOTE 2
MS3420-4A	BUSH.,RUB.	BPSX-1			2		NOTE 2
MS3420-6A	BUSH.,RUB.	BPSX-1			2		NOTE 2

# REVISION SHEET

THE TECHNICAL MATERIEL CORP.  
MAMARONECK NEW YORK

BPSX-1

MODEL \_\_\_\_\_

PROJECT NO. \_\_\_\_\_

DATE	REV.	PAGE	EMN #	DESCRIPTION	CHK.	APP.
10/16/64	A	2,4	12637	Revised as per EMN #12637		<i>UD</i>
11/12/64	B	1,2,3, 4	12886	Revised as per EMN #12886		<i>UD</i>
11/30/64	C	8	12980	Revised sheet 8 per EMN		<i>UD</i>