

ARMY SERVICE FORCES
CATALOG

SIG 8-PE-157

Ref. TM 11-245

Obsolete per WD Lab Sig 102, July 46
SIGNAL SUPPLY CATALOG

Higher Echelon Spare Parts for
Power Supply Unit PE-157-B

See "SIG 8-1 Notes", for general description of Ground Non-Radar equipment catalog pamphlets in the SIG 8 series. These notes cover expendability, requisitioning instructions, and explanations of the use of these pamphlets.

HEADQUARTERS, ARMY SERVICE FORCES.
WASHINGTON 25, D. C., 15 JANUARY 1945.

Army Service Forces Signal Supply Catalog, SIG 8-PE-157. Higher Echelon Spare Parts for Power Supply Unit PE-157-B has been prepared under the supervision of the Chief Signal Officer, and is published for the information and guidance of all concerned.

[SPX 461 (28 Dec 44).]

BY COMMAND OF LIEUTENANT GENERAL SOMERVELL:

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For explanation of symbols, see FM 21-6.

Headquarters, Army Service Forces 15 January 1945

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Identification					Unit of Measure	Quantity per Equip.	Maintenance initial working guide				Supply initial stockage guide		
Reference Symbol	Illustration Fig. No.	Equipment Item No.	Stock No.	Nomenclature			3rd echelon			4th	Army depot	Base depot 1 year	
							16-30 Equip.	31-70 Equip.	71-130 Equip.	100 Equip.	100 Equip.	50 Equip.	100 Equip.
TM 11-245		PE157/1	2Z307-25	ADAPTER, connector: "T" type; polarized; Galvin type 58B47793 (connects PE-157 to Chest Unit T-39).	ea	1	1	1	2	0	4	12	20
		PE157/2	3B54	BATTERY BB-54: storage; 2 v; plastic case	ea	1	5	10	20	10	40	120	200
		PE157/3	2Z1409-20	BUSHING, cable clamp: Galvin #43K41211	ea	1	1	2	3	0	6	17	27
C10	37	PE157/4	3DB80-2.1	CAPACITOR, fixed: electrolytic; 3 sect, 80-40-40 mf; 250 vdcw; Mallory type EP.	ea	1	2	4	7	4	14	42	70
C1, 4, 12	37	PE157/5	3DB2500	CAPACITOR, fixed: electrolytic; 2500 mf $\pm 20\%$; 3 vdcw; Mallory type EP.	ea	3	5	10	20	10	40	120	200
C5	37	PE157/6	3DA4-81	CAPACITOR, fixed: paper; 4000 mmf $\pm 10\%$; 400 vdcw; Galvin #8A38507.	ea	1	1	2	3	3	7	21	35
C6	37	PE157/7	3DA50-43	CAPACITOR, fixed: paper; 50,000 mmf $\pm 14\%$ -6%; 600 vdcw; Galvin #8A31211.	ea	1	1	3	4	3	8	24	40
C7	37	PE157/8	3DA70-4	CAPACITOR, fixed: paper; 70,000 mmf $\pm 10\%$; 800 vdcw; Galvin #8A38506.	ea	1	1	3	4	3	8	24	40
C9, 11	37	PE157/9	3D411	CAPACITOR CA-411: fixed; paper; 250,000 mmf $\pm 14\%$ -6%; 200 vdcw.	ea	2	2	4	7	4	14	42	70
C2	37	PE157/10	3DA500-179	CAPACITOR, fixed: paper; 500,000 mmf $\pm 20\%$; 100 vdcw; Galvin #8A38505.	ea	1	1	3	4	3	8	24	40
C8	37	PE157/11	3D395	CAPACITOR CA-395: fixed; paper; 500,000 mmf $\pm 20\%$ -5%; 200 vdcw.	ea	1	1	2	3	3	7	21	35
RFC-1	37	PE157/12	3C362-34	CHOKE, AF: filter; 9 uh; 1,000 cps $\pm 2\%$; Galvin #24A38511.	ea	1	1	2	3	0	6	17	27
RFC-2	37	PE157/13	3C362-9	CHOKE, RF: filter; 500 uh; 1,000 cps $\pm 5\%$; Galvin #24A28595.	ea	1	1	2	3	0	6	17	27
RFC-3	37	PE157/14	3C362-25	CHOKE, RF: filter; 1.5 uh; 1,000 cps $\pm 5\%$; Galvin #24A38510.	ea	1	1	2	3	0	6	17	27
RFC-4	37	PE157/15	3C362-11	CHOKE, RF: filter; 30 uh; 1,000 cps $\pm 20\%$; Galvin #24A38270.	ea	1	1	2	3	0	1	17	27
CH-1	37	PE157/16	3C362-26	CHOKE, AF: filter; 3.75 by min; 230 ohms $\pm 10\%$; Galvin #25B38651.	ea	1	1	2	3	0	6	17	27
CH-2	37	PE157/17	3C362-24	CHOKE, AF: filter; 3 uh at 1 kc; $1\frac{1}{4}$ " h x $\frac{3}{8}$ " lg x $\frac{3}{8}$ " wd; Galvin #25B38652.	ea	1	1	2	3	0	6	17	27

CD-1	37	PE157/18	3E1618	CORD CD-618; 8 ft cable; one cond black; one cond yellow; Galvin #1X38101.	ea	1	1	1	1	0	4	12	20
CD-3	37	PE157/19	3E4300-16	CORD: 63" lg; 10 cond; #18 AWG stranded copper; Galvin #1X41993 (filament and plate supply).	ea	1	1	3	4	3	8	24	40
		PE157/20	2Z3401.1	COVER, bakelite: Galvin #67A30885 (cover for RFC-2).	ea	1	1	1	1	0	3	5	7
J2	37	PE157/21	2Z5530	JACK, earphone: SPDT; single ckt; Galvin #40A34260-A (Plug PL-55).	ea	1	1	2	3	0	6	17	27
J3	37	PE157/22	2Z5533A	JACK JK-33-A: microphone; two ckt; normally open (Plug PL-68).	ea	1	1	2	3	0	6	17	27
		PE157/23	3Z1925	FUSE FU-25; 5 amp; 3AG; Littelfuse #1080	ea	1	5	11	22	11	70	200	350
	37	PE157/24	2Z5749.8	KNOB, round: black zamack #3; Galvin #36A41971 (used on selector switch).	ea	1	1	2	4	2	3	12	20
PL-1	37	PE157/25	2Z3025-11	PLUG, male contact: 5 prong; Galvin #28K38360 (connector for power leads).	ea	1	1	1	1	0	4	12	20
PL-2	37	PE157/26	2Z3028-4	PLUG, male contact: 8 prong moulded; Galvin #28A41509 (connector for Chest Unit T-39).	ea	1	1	1	1	0	4	12	20
PL-4	37	PE157/27	2Z3024-7	PLUG, male contact: 4 white silver banana cont plugs; Galvin #28A36803 (charger plug).	ea	1	1	1	1	0	4	12	20
SO-1	37	PE157/28	2Z3066	RECEPTACLE female contact: 5 cont; Galvin #9A41941 (power receptacle).	ea	1	1	1	1	0	4	12	20
RECT 1 & 2	37	PE157/29	3H4858-15	RECTIFIER, metallic: selenium; full wave; input 7.1 v, 2.4 v, 3 amp output; Galvin #48B61289 (used with battery charger).	ea	1	1	1	1	0	4	11	18
RY-1	37	PE157/30	2Z7599-48	RELAY: SPST; Galvin #59B38665 (operates at 225 or less).	ea	1	1	2	3	0	6	17	27
RY-2	37	PE157/31	2Z7599-49	RELAY: transmit-receive; 2 sect SPDT; 1 sect SPST; Galvin #59B40089 (operates at 3.75 ma or less).	ea	1	1	2	3	0	6	17	27
R4, 5, 10	37	PE157/32	3RC20BE101K	RESISTOR, carbon: 100 ohms $\pm 10\%$; $\frac{1}{2}$ w; RC20BE101K.	ea	3	3	5	8	4	17	50	85
R3	37	PE157/33	3RC20BE151K	RESISTOR, carbon: 150 ohms $\pm 10\%$; $\frac{1}{2}$ w; RC20BE151K.	ea	1	1	2	4	3	7	21	35
R1, 2	37	PE157/34	3RC20AE221K	RESISTOR, carbon: 220 ohms $\pm 10\%$; $\frac{1}{2}$ w; RC20AE221K.	ea	1	1	2	4	3	7	21	35
R9	37	PE157/35	3RC20AE431J	RESISTOR, carbon: 430 ohms $\pm 5\%$; $\frac{1}{2}$ w; RC20AE431J.	ea	1	1	2	4	3	7	21	35
R8	37	PE157/36	3RC21AE222K	RESISTOR, carbon: 2200 ohms $\pm 10\%$; $\frac{1}{2}$ w; RC21AE222K.	ea	1	1	2	3	3	7	21	35
R6, 7	37	PE157/37	3RC31AE221K	RESISTOR, carbon: 220 ohms $\pm 10\%$; 1 w; RC31AE221K	ea	1	1	2	3	3	7	21	35

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							16-30 Equip.	31-70 Equip.	71-130 Equip.	100 Equip.	100 Equip.	50 Equip.	100 Equip.	
TM 11-245														
S02	37	PE157/38	2Z3069-5	SOCKET, female contact: 8 prong; Galvin #9A41508 (for connecting to T-39).	ea	1	1	1	1	0	3	8	12	
		PE157/39	2Z8677.64	SOCKET, tube: small or universal 7 prong; Galvin #9K6749 (for Vibrator VB-8).	ea	1	1	1	1	0	4	12	20	
		PE157/40	2Z8674.39	SOCKET, tube: standard; 4 prong; Cinch #2154 (for Vibrator VB-9).	ea	1	1	1	1	0	4	12	20	
SPK-1	37	PE157/41	6C292-2	SPEAKER: PM; 4"; Galvin #50B40096-A (water-proof cone and dust cover).	ea	1	1	2	3	0	6	17	27	
SW-2	37	PE157/42	3Z9825-62.124	SWITCH, rotary: bakelite; Galvin #40A41499 (changeover to operate with or without T-39).	ea	1	1	3	4	3	8	24	40	
SW-1	37	PE157/43	3Z9849.121	SWITCH, toggle: SPST; C-H #883K2 (charger changeover).	ea	1	1	2	3	3	7	21	35	
			(Order through AGO channels)	TECHNICAL MANUAL TM 11-245	ea	2								
		PE157/44	2Z9405.48	TERMINAL, cable: tie-point; 6 lugs; 1 bracket; Galvin #31B41493.	ea	1	1	1	1	0	3	8	12	
T-4	37	PE157/45	2Z9628-7	TRANSFORMER: charging; Galvin #25B60849-O	ea	1	1	1	1	0	4	11	17	
T-2	37	PE157/46	2Z9632.158	TRANSFORMER: earphone; Galvin #25B38669-O	ea	1	1	1	1	0	3	8	12	
T-1	37	PE157/47	2Z9632.157	TRANSFORMER: microphone; Galvin #25B38670	ea	1	1	1	1	0	3	5	7	
T-3	37	PE157/48	2Z9626-33	TRANSFORMER, power; Galvin #25B38653-O	ea	1	1	1	1	0	3	8	12	
		PE157/49	2C4728A/T2	VENT, battery: 1' lg x 0.2' dia; Galvin #47A38071 (allows fumes to escape from BB-54).	ea	1	1	1	1	0	3	5	7	
		PE157/50	2C4728A/T1	VENT, battery: rubber tube; 2 3/4' lg x 1/4' diam; Galvin #47A36773 (allows fumes to escape from BB-54).	ea	1	1	1	1	0	3	5	7	
VB-9	37	PE157/51	3H6709	VIBRATOR VB-9: 5 to 15 v; 4 prong (primary)	ea	1	5	10	20	10	40	120	200	
VB-8	37	PE157/52	3H6708	VIBRATOR VB-8: 2 v; 7 prong; Galvin #48B36963 (power).	ea	1	5	10	20	10	40	120	200	
				Estimated Weights	lbs		40	65	120					
				Estimated Volume	cu ft		1.6	2.5	4.5					