

TECHNICAL MANUAL

POWER SUPPLIES
PP-281/GRC, PP-282/GRC
AND PP-448/GR

DEPARTMENT OF THE ARMY
WASHINGTON 25, D. C., 12 December 1951

CHANGES }
No. 1 }

TM 11-5040, 29 November 1950, is changed as follows:

9. Power Supply PP-281/GRC
(fig. 9)

* * * * *

d. The values of * * * associated radio set. The straps are connected between pins 2, 3, and 5 of X-1; the battery input is also made available to the radio set from pins 2 and 5 of X-1.

19. Resistance Measurements

These checks are * * * the correct polarity.

Point of measurement	Normal reading (ohms)			Probable trouble
	PP-281/GRC	PP-282/GRC	PP-448/GR	
Term. 3 to 7 on X-1. *	Infinity	Infinity	Infinity	Defective C-1. *
Term. 7 on X-1 to term. 3 on X-2.	15K to 30K	15K to 30K	15K to 30K	Defective C-3 or C-2.
Term. 8 on X-1 to term. 3 on X-2. *	155	155	155	Defective L-2 or L-3. *

* * * * *

[AG 412.42 (5 Dec 51)]

20. Voltage Measurements

The voltage checks * * * an equivalent meter.

Point of measurement	Normal reading (volts)			Probable trouble
	PP-281/GRC	PP-282/GRC	PP-448/GR	
From term. 3 to 7 on X-1. *	12.6	25.2	6.3	Defective C-1. *
From term. 3 of X-2 to term. 7 of X-1.	155	155	155	Defective T-1, R-1, or C-4.

On figures 8, 9, and 10, so much as reads "(X-2)"
2
is changed to read "(X-2)" and so much as reads
3
"(X-2)" is changed to read "(X-2)."
1 5

TECHNICAL MANUAL

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AND PT-448/GC

DEPARTMENT OF THE ARMY

DISTRIBUTION: WASHINGTON 25, D. C., 18 Dec 51

CHANGES
No. 1

Active Army:

Tech Svc (1); Arm & Svc Bd (1); AFF Bd (ea Svc Test Sec) (1); AFF (5); AA Comd (2); OS Maj Comd (5); Base Comd (5); MDW (5); Log Comd (2); A (20); CHQ (2); FC (2); Sch (2) except 11 (25); Gen Dep (2); Dep 11 (20) except Sig Sec, Gen Dep (10); Tng Div (2); PE (10), OSD (2); Lab 11 (5); Mil Dist (3); 4th & 5th Ech Maint Shops 11 (3); Two (2) copies to each of the following T/O & E's: 11-107; 11-127; 11-500 CA, CB, CC, CD; 11-587; 11-592; 11-597.

NG: Same as Active Army.

ORC: Same as Active Army.

For explanation of distribution formula, see SR 310-90-1.

Point of measurement	PT-281 GRC	PT-282 GRC	PT-448 GC
From term 3 to 7 on X-1	*	*	*
From term 3 of 155 X-2 to term 7 of X-1	155	155	155
Defective T-1, R-1, or C-4	*	*	*
Defective C-1	*	*	*

19. Resistance Measurements

These checks are * * * the correct polarity.

5. The values of * * * associated radio set. The straps are connected between and 5 of X-1; the battery input is also made available to the radio set from pins 2 and 5 of X-1.

On figures 8, 9, and 10, so much as reads "X-2" is changed to read "X-3" and so much as reads "X-2" is changed to read "X-3".

Point of measurement	Normal reading (ohms)		
	PT-281 GRC	PT-282 GRC	PT-448 GC
Term 3 to 7 on X-1	Infinity	Infinity	Infinity
Term 7 on X-1 to term 3 on X-2	15K to 30K	15K to 30K	15K to 30K
Term 8 on X-1 to term 3 on X-2	155	155	155
X-2	*	*	*
X-1	*	*	*

[AG 412.12 (5 Dec 51)]