Outside Guard Power Supply 3-17

Use the following procedure to check and adjust the power supply on the Outside Guard Regulator PCA:

05/09/2023

1. Connect the DMM common to TP1 on the Outside Guard Regulator PCA.
2. Set the DMM to measure dc volts.
3. For each step in Table 3-4, set the DMM to an appropriate range, connect the positive lead to the indicated test point, and verify or adjust the indicated potentiometer for the specified voltage.

Table 3-4. Outside Guard Power Supply Checks and Adjustments

STEP	TEST POINT	ADJ. POINT	SPECIFIED VOLTAGE
1	TP2	R22	+5.15, ± 0.00V dc +4.9962V
2	TP3	n/a	+5.00, ± 0.25V dc +4.9688V
3	TP4	R18	+28.0, ± 0.00V dc +28.2567V
4	TP5	n/a	+12.0, ± 0.60V dc +12.0530V
5	TP6	n/a	-12.0, ± 0.60V dc −11.7236V
6	TP8	n/a	-5.00, ± 0.25V dc −5.0424V
7	TP7	n/a	-29V dc

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Inside Guard Power Supply 3-18

Use the following procedure to check and adjust the power supply on the Inside Guard Regulator PCA:

1. Set the DMM to measure dc volts.
2. For each step in Table 3-5:

Table 3-5. Inside Guard Power Supply Checks and Adjustments

STEP	TEST POINT COMMON LEAD	TEST POINT POSITIVE LEAD	ADJ. POINT	SPECIFIED VOLTAGE
1	TP1	TP2	n/a	+17.0, ±1.00V dc +17.3329V
2	TP1	TP3	n/a	-17.0, ±1.00V dc −17.2310V
3	TP1	TP4	R95	+5.00, ±0.25V dc +4.9914V
4	TP1	TP5	n/a	-5.00, ±0.25V dc −5.1105V
5	TP1	TP6	n/a	-24.0, ±1.30V dc −23.3401V
6	TP1	TP10	n/a	+5.00, ±0.25V dc +4.8434V
7	TP7	TP8	n/a	+30.0, ±1.50V dc +29.3131V
8	TP7	TP9	n/a	-30.0, ±1.50V dc −29.7741V
9	TP11	TP12	n/a	+30.0, ±1.50V dc +29.3089V
10	TP11	TP13	n/a	-15.0, ±0.80V dc −14.7631V
11	TP14	TP15	n/a	+5.00, ±0.25V dc +4.9736V
12	TP16	TP17	n/a	+15.0, ±0.80V dc +14.5261V
13	TP16	TP18	n/a	-15.0, ±0.80V dc −14.6700V