

Manual Supplement

Manual Title:	87 & 89 Series IV Service	Supplement Issue:	6
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This supplement contains information necessary to ensure the accuracy of the above manual. Enter the corrections in the manual if either one of the following conditions exist:

1. The revision letter stamped on the indicated PCA is equal to or higher than that given with each change.
2. No revision letter is indicated at the beginning of the change.

Change #1

On page 21, Table 4, step 50, under Display,

Change: -0.02 0.02
 To: -0.20 0.20

Change #2

On page 28, Table 6, make the following changes:

Change: Access Door, Battery/Fuse MP 14 658446 1
 To: Access Door, Battery/Fuse MP 14 666446 1

Add:

CSA Label	MP33	669884	1
Shock Absorber for Battery Door	MP27	674850	1

Change #3

On page 20, Table 4, make the following changes:

Change the Upper Display Limit for step 38,

From 0.8000
 To: 1.1000

Change the Lower & Upper Display Limits for step 25,

From: 946.0 1054.0
 To: 936.0 1064.0

On page 21, Table 4, change the Lower & Upper Display Limits for step 51,

From: 0.2422 0.2578
 To: 0.2442 0.2558

Change #4

On page 19, Table 4, change the Lower & Upper Limits for step 13:

From: 29.63 30.37
 To: 29.66 30.34

Change #5

On page 6, under **AC Voltage and Decibel Specifications**, make the following changes:

Add: AC mV^{1.2} 50.000mV 0.001 mV 0.4 % + 40 2 % + 80 5 % + 40 5 % + 40 15 % + 40
 Change: dBm 600 Ω -56 to -6 0.01 dB 0.1 dB 0.2 dB 0.5 dB 0.5 dB 0.5 dB
 To: dBm 600 Ω -56 to -6 0.01 dB 0.1 dB 0.2 dB 0.5 dB 0.5 dB 2.0 dB

On page 7, under **DC Current Specifications**, add the following:

DC mV	50.000 mV	0.001 mV	0.1% + 20			
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Change #6

On page 6, under **AC Voltage and Decibel Specifications**, under 20-100 kHz column for AC mV and AC V change all occurrences,

From: 6 % + 40
To: 8 % + 40

On page 19, Table 4, change the **Lower & Upper Limits** for steps 1,3,6, and 11 to:

	Lower Limits	Upper Limits
Step 1	0.2260	0.2740
Step 3	4.5960	5.4040
Step 6	45.960	54.040
Step 11	2756.0	3244.0

Change #7

On page 17, under **Performance Tests**, and on page 22 prior to **Keypad Interface**, add the following:

Setup

To obtain the best noise rejection ratios use the Setup mode to select 50 or 60 Hz to match local Line/Main frequency. This should be done prior to performance testing or calibration.

Change #8

On page 8, under, **Frequency, Duty Cycle, Pulse Width Specifications**, replace the entire Pulse Width entry with the following:

Pulse Width ²	50.00 ms	0.01 ms	$\pm (3\% \times (\text{voltage range}/\text{input voltage}) + 1 \text{ count})$
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