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1. Preparation

1-1 Overview

This Procedure describes how to adjust Gradient Gain for X, Y, and Z axis.

1-2 Required Tool

TABLE 1-1
REQUIRED TOOL

Item	Part Name	Check
1	Digital Multi-Meter(DMM) with BNC cable	
2	Small "minus" screw driver.	

1-3 Preparation

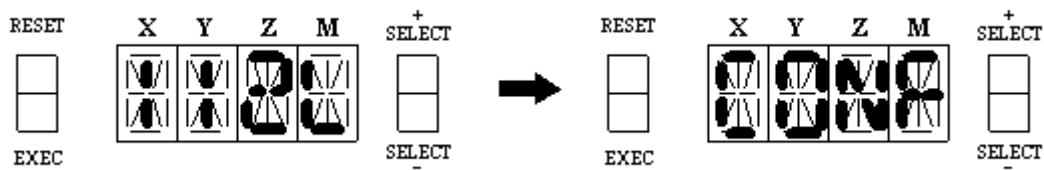
Part Name	Check
Remove SGS front and rear covers	
Verify that the PSU Power breaker at rear is ON .	
Verify that GPS1 breaker at SC is ON .	
Verify that SCA LOC/REM switch is set to remote mode	
Set the SCA LOC/REM switch to local mode	
Confirm that the +5V green LED on the SCA is on	
Turn GCA [ON/OFF] switch ON .	
Verify that " 666L " will be displayed briefly followed by " 112L ".	

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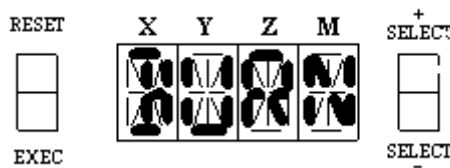
2. Adjustment

2-1 SCA Setting

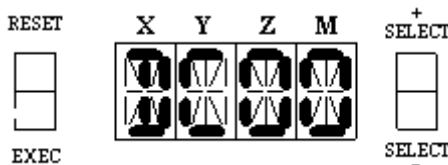
1. Push the [EXEC] switch. "CONF" will be displayed.



2. Push the [SEL+] button once. "BURN" will be displayed.



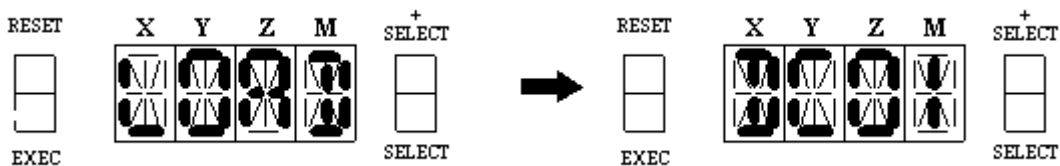
3. Press the [EXEC] switch. "DC00" will be displayed.



4. Press the [SEL+] button. "DC01" will be displayed.



5. Press [EXEC]. "LOAD" will be briefly displayed followed by "DC01".



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2-2 X-AMP Gain Adjustment

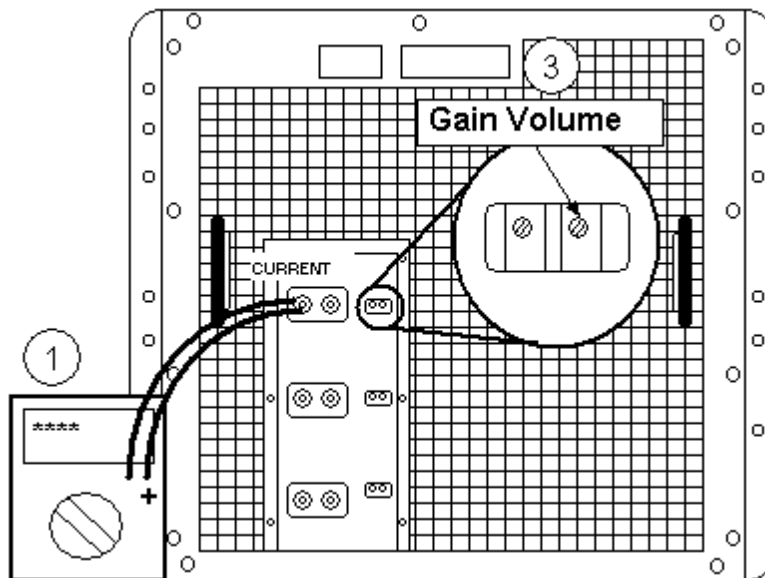
1. Connect the DMM to the **Current Monitor** output.

Note

Set positive terminal to the center of monitor.

2. Verify if the value read on the DMM is within spec.
3. If the gain is out of spec, adjust Gain Volume with minus screwdriver so that gain enters spec.

-Spec: $0.546V \leq \text{Measured Value} \leq 0.566V$



X AMP GAIN ADJUSTMENT
ILLUSTRATION 1

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2-3 Y-AMP Gain Adjustment

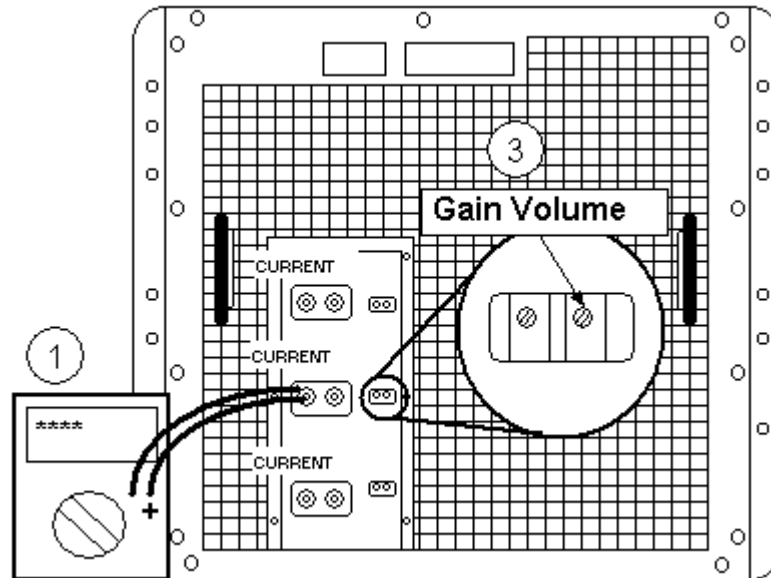
1. Connect the DMM to the **Current Monitor** output.

Note

Set positive terminal to the center of monitor.

2. Verify if the value read on the DMM is within spec.
3. If the gain is out of spec, adjust Gain Volume with minus screwdriver so that gain enters spec.

-Spec: $0.546V \leq \text{Measured Value} \leq 0.566V$



Y AMP GAIN ADJUSTMENT
ILLUSTRATION 2

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2-4 Z-AMP Gain Adjustment

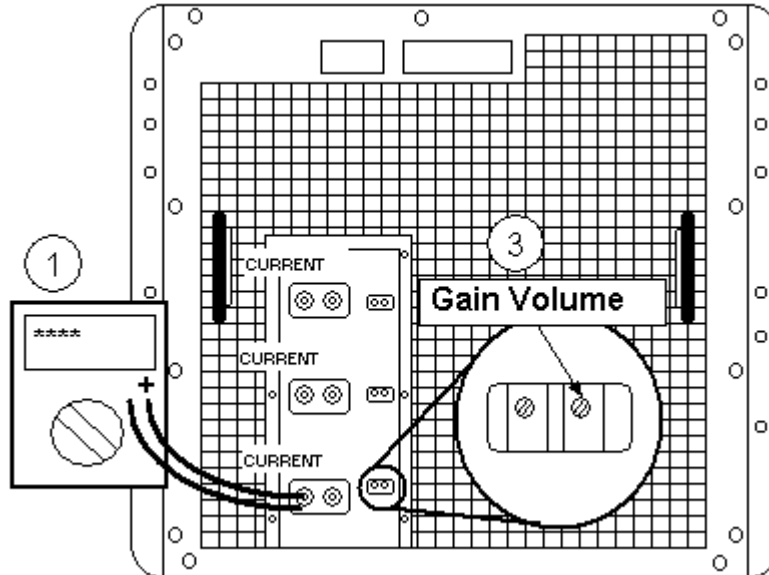
1. Connect the DMM to the **Current Monitor** output.

Note

Set positive terminal to the center of monitor.

2. Verify if the value read on the DMM is within spec.
3. If the gain is out of spec, adjust Gain Volume with minus screwdriver so that gain enters spec.

-Spec: $0.546V \leq \text{Measured Value} \leq 0.566V$



Z AMP GAIN ADJUSTMENT
ILLUSTRATION 3

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Revision History

Rev	Date	Author	Primary Reasons For Change
0	Mar 27, 2001	Y. Masumo	Initial Version
1	May 16, 2001	Y. Masumo	Misc Correction
2	Oct 16, 2001	Y. Masumo	P3 SCA LED Display was corrected from "121L" to "112L"

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