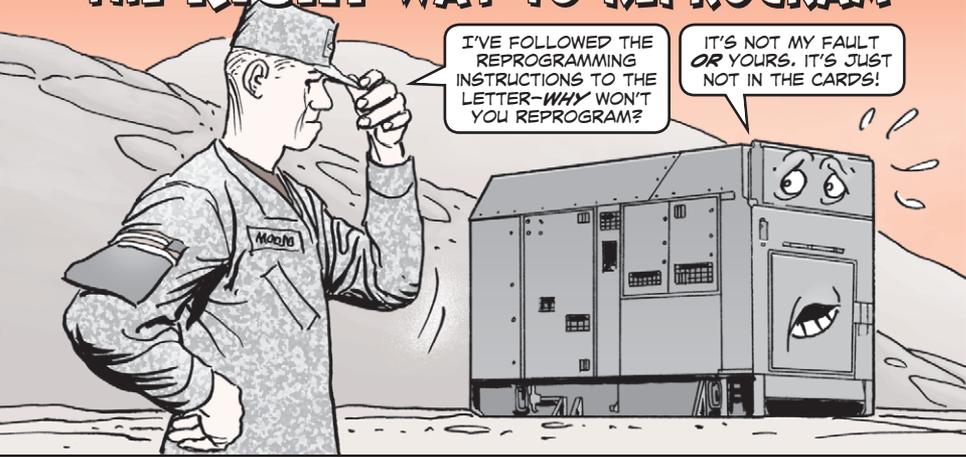


THE RIGHT WAY TO REPROGRAM



Just because it's laminated doesn't mean it's written in concrete.

The laminated reprogramming instruction card for the MEP-807A 100-KW TQG and the MEP-809A 200-KW TQG has two big errors. The reprogramming instructions tell you how to change the voltage and frequency output of the generator. The way the instructions are now written, you can't do it!

So, generator maintainers, go to each of your generators and remove the laminated instruction card on reprogramming and make these changes.

100-KW

UNIT (FIELD LEVEL MAINTENANCE)
TACTICAL QUIET GENERATOR 100 KW, 50/60 Hz MEP-807A/PLA8TA
REPROGRAMMING

INITIAL SETUP:

Tools and Special Tools: Reference: None WP 0003

Materials/Parts: Equipment Condition: None TQG is not operating and powered down

Personnel Required: One

REPROGRAMMING DVR PARAMETERS FOR VOLTAGE AND FREQUENCY CHANGE

The following procedure is used if the voltage and frequency settings for the generator set must be changed because of mission requirements. When that occurs, the reconnection board must be repositioned and the DVR must be reprogrammed for specified frequency and voltage. Note that the GSC CPU parameters must be reprogrammed, also:

1. Set Battery Disconnect Switch to ON.
2. Set DEAD CRANK SWITCH to NORMAL.
3. On EMCP, set ENGINE CONTROL Switch (ECS) to COOL DOWN/STOP.
4. Select reprogramming data from Table 1 below according to the desired output voltage and desired frequency. Mission requirements will define requirements. Note: All of the DVR PARAMETERS must be changed or verified.

Table 1. 100 KW TQG DVR Voltage and Frequency Programming Parameters and Setpoints.

DESIRED OUTPUT	DVR PARAMETER NUMBER							
	VOLTS	HERTZ	01	02	03	04	05	06
120008	60	217	1.0	0	347	4.34	3.61	49.8
120008	60	205	1.0	0	289	3.61	3.61	49.8
240416	60	434	2.0	0	347	4.34	3.61	49.8
240416	60	430	2.0	0	289	3.61	3.61	49.8

PRELIMINARY

SHT 19 OF 28

200-KW

UNIT (FIELD LEVEL MAINTENANCE)
TACTICAL QUIET GENERATOR 200 KW, 50/60 Hz MEP-809A/PLA8TA
REPROGRAMMING

INITIAL SETUP:

Tools and Special Tools: Reference: None WP 0003

Materials/Parts: Equipment Condition: None TQG is not operating and powered down

Personnel Required: One

REPROGRAMMING DVR PARAMETERS FOR VOLTAGE AND FREQUENCY CHANGE

The following procedure is used if the voltage and frequency settings for the generator set must be changed because of mission requirements. When that occurs, the reconnection board must be repositioned and the DVR must be reprogrammed for specified frequency and voltage. Note that the GSC CPU parameters must be reprogrammed, also:

1. Set Battery Disconnect Switch to ON.
2. Set DEAD CRANK SWITCH to NORMAL.
3. On EMCP, set ENGINE CONTROL Switch (ECS) to COOL DOWN/STOP.
4. Select reprogramming data from Table 1 below according to the desired output voltage and desired frequency. Mission requirements will define requirements. Note: All of the DVR PARAMETERS must be changed or verified.

Table 1. 200 KW TQG DVR Voltage and Frequency Programming Parameters and Setpoints.

DESIRED OUTPUT	DVR PARAMETER NUMBER							
	VOLTS	HERTZ	01	02	03	04	05	06
120008	60	217	1.0	0	094	4.34	3.61	58.8
120008	60	205	1.0	0	579	3.61	3.61	49.8
240416	60	343	2.0	0	347	4.34	3.61	58.8
240416	60	410	2.0	0	289	3.61	3.61	49.8

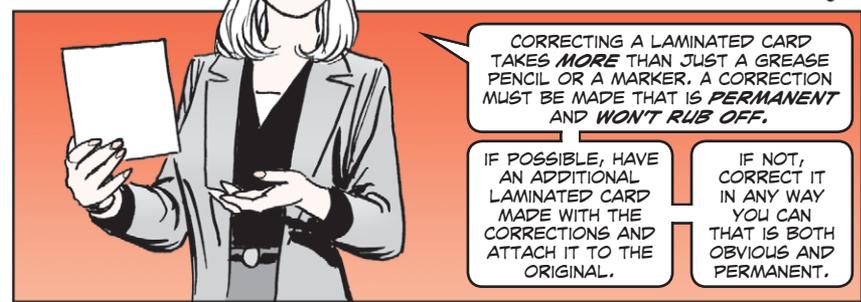
PRELIMINARY

SHT 19 OF 30

First, go to instruction 13. It now reads, “**Press Function Key on DVR once to display data for parameter.**” Change it to read, “**Press Function Key on DVR once to switch back to the parameter number.**”

Now, go to instruction 17. It now reads, “**Press and hold up arrow key or down arrow key to set the data for parameter :90 to 0009 to lock the DVR.**” Change it to read, “**Press and hold up arrow key or down arrow key to set the data for parameter number :90 to any number but 0009 to lock the DVR. DVR will not stay locked when Engine Control Switch is switched from either COOL DOWN/STOP to OFF/RESET and back to COOL DOWN/STOP or from COOL DOWN/STOP to MANUAL START.**”

12. Press and hold up arrow key or down arrow key to set the data for parameter per Table 1.
13. Press Function key on DVR once to switch back to the parameter number.
14. Press up arrow key once to change to next parameter number per Table 1.
15. Keep repeating from step 9, entering parameter data from Table 1, until all 6 parameter data is entered or verified to be correct.
16. Press Function key on DVR once to display data for parameter :90.
17. Press and hold up arrow key or down arrow key to set the data for parameter number :90 to any number but 0009 to lock the DVR. DVR will not stay locked when Engine Control switch is switched from either COOL DOWN/STOP to OFF/RESET and back to COOL DOWN/STOP or from COOL DOWN/STOP to MANUAL START.
18. Press Function key on DVR once to switch back to parameter number. Press and hold up arrow key or down arrow key to set the parameter number back to 01.
19. Proceed to REPROGRAMMING POINTS FOR VOLTAGE AND FREQUENCY CHANGE and reprogram the OP5 parameters for P028 (parameters 1 thru 25).
20. If the generator set is not in ENGINE CONTROL Switch (ECS) to OFF/RESET, set Battery Disconnect Switch to OFF.



The reprogramming information in both TM 9-6115-729-24 for the 100-KW TQG and TM 9-6115-730-24 for the 200-KW TQG is correct. Only the laminated instruction card that stays with the generator is wrong.

If you need more information about this correction, contact ps671@us.army.mil at DSN 992-7169 or (732) 532-7169. Or email: ps671@us.army.mil