



SB-10058843-1133

DATE: 9-24-15

APPLIES TO: This bulletin applies to MM model motorhome chassis manufactured between January 19, 2013 and April 23, 2015.

CONDITION: Data errors may cause illumination of the Wait to Start (WTS) and MIL lamps.

CORRECTION: Re-program the Light bar Message Center (LMC) light bar software the reprogramming kit which includes an adapter harness and a new gauge containing new software.

LABOR ALLOCATION: .5 hrs.

PARTS NEEDED:

<u>QTY</u>	<u>Part Number</u>	<u>Description</u>
1	S-2500-001	Kit-Ametek LMC CCOM 2G Gauge Re-flash

Kit # S-2500-001 Contains:

<u>QTY</u>	<u>Part Number</u>	<u>Description</u>
1	000100346	Ametek CCOM 2G
1	TSB15-560-001	Instruction Document

GENERAL INSTRUCTIONS:

Thoroughly review entire service bulletin before starting work. If there are questions or concerns with steps defined in this service bulletin, contact Spartan Motors USA, Inc. Customer & Product Support Group.

All applicable industry safety standards must be followed when performing work identified in this procedure.

Service Bulletins are intended for use by Professional Technicians only. They are written to guide Professional Technicians in performing service to vehicles of specific nature in conjunction with industry standards. Professional Technicians should be appropriately trained on industry standards and have the tools and equipment to perform procedures safely and properly.



STEP-BY-STEP INSTRUCTIONS:

1. Locate 9-pin diagnostic connector. Refer to FIG. 2-1. It should be located near the driver's left knee under dash on a finished vehicle, or there may be a location at rear of chassis for a service connection.



FIG. 2-1
9-Pin Diagnostic Connector

2. Connect the Ametek adapter harness and CCOM 2G gauge which is part of S-2500-001 service kit. Refer to FIG. 2-2.



FIG. 2-2
CCOM 2G Gauge & Adapter Harness

3. Connect the other end of Ametek adapter harness to 9-pin diagnostic connector on vehicle/chassis.
4. Turn on ignition power but do **NOT** start vehicle/chassis engine.

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5. Press the left button on the CCOM 2G gauge and it will display a “Seed Number.” Record this number and contact Spartan Customer and Product Support and provide them with this number. Refer to FIG. 3-1.

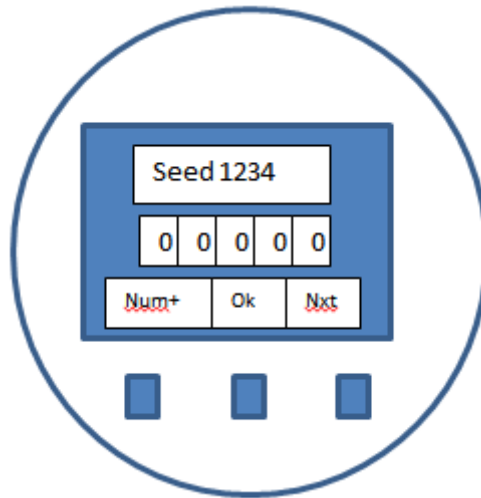


FIG. 3-1
CCOM 2G Gauge Display

6. Spartan Customer and Product Support will use the “Seed Number” to provide a five-digit activation key. Record five-digit activation key provided and continue/return to re-flash procedure by following steps 2 thru 4.

NOTE: The technician does not have to leave vehicle powered while waiting for activation key. The CCOM 2G can be removed, ignition powered off, and once activation key is retrieved the technician can restart the process. The “seed number” will be presented again and activation code can be entered. Once re-flash process is started “seed number” will be destroyed by CCOM 2G and will not be available again for use.

7. **BEFORE PROCEEDING:** Verify that **NO** other work is being performed on the vehicle/chassis that could result in a loss of power during this procedure.
8. Once five-digit activation code is obtained the technician will enter it into CCOM 2G using three buttons on gauge face. NUM+ button will increment current highlighted digit. Values 0-9 are possible and it will roll over. The NXT button moves to next digit in order. The “OK” button confirms entry.
9. Once the activation key has successfully been entered, technician will confirm by pressing “OK” button in middle which begins re-flash process. If activation code is not entered correctly, nothing happens when “OK” button is pressed.

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10. The “seed number” is destroyed at this point. The CCOM 2G will erase software configuration off LMC and flash it with new version. Erase and Flash progress indicators are provided.

NOTE: If there is a loss of power or some other issue during re-flash cycle, process will need to be started over. A new activation code will need to be obtained. If this happens, there is a chance that LMC software configuration information is not available for CCOM 2G to determine which configuration should be used. In this case, CCOM 2G will present technician with a choice. The technician will need to select correct configuration based on a table that will be provided with the instructions. Refer to FIG. 4-1.

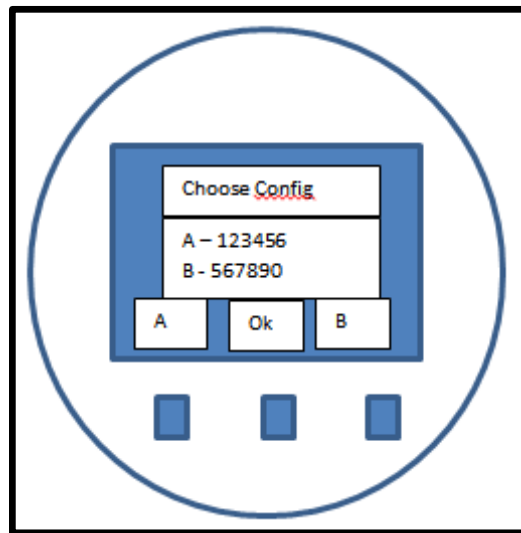


FIG. 4-1
CCOM 2G Gauge Display

- 11. **NOTICE:** If the technician downloads the wrong configuration, the LMC will not function properly. Also, the entire procedure must be repeated and the power must be interrupted during the erase or download procedure in order to be able to select the correct configuration.
- 12. Once re-flash is complete, LMC will restart the adapter harness and CCOM 2G gauge can be disconnected from vehicle/chassis.
- 13. **Do not** discard the 000100346 Ametek CCOM 2G gauge and harness. The unit can be used to re-program subsequent LMC's should they need to be re-programmed.

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