

1 8 01-12



Service Information Bulletin

SUBJECT	DATE
SPN 1761/FMI 9 - GHG14	July 2012

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0084	DD Platform	SPN 1761/FMI 9 - GHG14	Procedure has been updated



13400 Outer Drive, West, Detroit, Michigan 48239-4001
Telephone: 313-592-5000
www.demanddetroit.com

2 SPN 1761/FMI 9 – GHG14

This diagnostic is typically DEF Tank Signal Not Available via CAN.

1. Has the ACM2.1 been recently reprogrammed?
 - a. Yes; clear fault codes. If they do not become active, release vehicle. If fault returns, verify proper ACM2.1 fuel map. ACM2.1 is looking for DEF tank CAN signal, except vehicle may be hardwired.
 - b. No; Go to step 2.
2. Turn the ignition OFF (key OFF, engine OFF) and disconnect DDDL/DDRS. Wait five minutes for all modules to power down.
3. Turn ignition ON (key ON, engine OFF).
4. Reconnect DDDL/DDRS. Are fault codes active?
 - a. Yes; Go to step 5.
 - b. No; clear faults codes and release vehicle.
5. Turn ignition OFF (key OFF, engine OFF) and wait five minutes before proceeding.
6. Disconnect the DEF tank header harness connector.
7. Measure the resistance across pins 1 and 2 of the DEF tank header harness connector.
 - a. If the resistance is greater than 80 ohms, Go to step 8.
 - b. If the resistance is between 40 and 80 ohms, Go to step 10.
 - c. If the resistance is less than 5 ohms, Go to step 8.
8. Disconnect the ACM2.1 120-pin connector.
9. Check ACM2.1 internal terminating resistor by measuring and recording the resistance across pins 48 and 49 of the ACM2.1 120-pin connector.
 - a. If the resistance is 50 to 70 ohms, repair the shorted DEF CAN harness.
 - b. If the resistance is not between 50 to 70 ohms, replace the ACM2.1.
10. Measure and record the resistance between the ACM2.1 120-pin connector pins 48 and 49 to engine ground.
 - a. If the resistance is greater than 10K ohms on both wires, Replace DEF tank header. Verify repairs.
 - b. If the resistance is less than 10K ohms, repair the short in the harness between ACM2.1 120-pin connector pins 48 or 49 and ground.