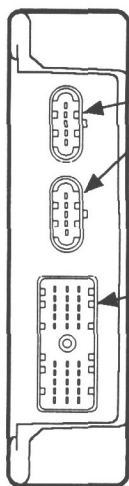


55 FLASH CODE 55 – J1939 DATA LINK FAULT

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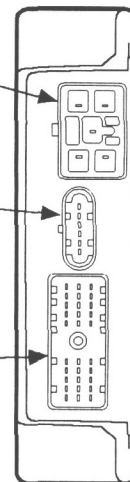
DDEC III / IV ECM
FRONT SIDE



INJECTOR HARNESS
CONNECTORS
(5-PIN)

ENGINE HARNESS
CONNECTOR
(30-PIN)

ENGINE HARNESS
CONNECTIONS
LEFT SIDE



POWER HARNESS
CONNECTOR
(5-PIN)

COMMUNICATION
HARNESS
CONNECTOR
(6-PIN)

VEHICLE INTERFACE
HARNESS
CONNECTOR
(30-PIN)

VEHICLE HARNESS (OEM)
CONNECTIONS
RIGHT SIDE

31184

Figure 55-1 ECM

55.1 DESCRIPTION OF FLASH CODE 55

Flash Code 55 indicates the ECM, see Figure 55-1, has detected a fault in the J1939 Data Link.

- Incorrect programming
- Wiring fault, J1939 data link wires

55.2 SAE J1587 EQUIVALENT CODE FOR FLASH CODE 55

The SAE J1587 equivalent code for Flash Code 55 is s 231/12.

55.3 TROUBLESHOOTING FLASH CODE 55

The following procedure will troubleshoot Flash Code 55.

55.3.1 Check J1939 Data Link

Perform the following steps to check for J1939 data link fault.

1. Is this a J1939 transmission/engine application?
 - [a] If yes, contact Detroit Diesel Technical Service.
 - [b] If no, use programming station and go to “update customer calibration” and select transmission to manual, or correct transmission. Save changes. Refer to section 55.3.2.

55.3.2 Verify Repairs

Perform the following steps to verify repairs.

1. Start engine.
2. Plug in DDR.
3. Read codes.
 - [a] If active code 231/12 is not logged, troubleshooting is complete.
 - [b] If active code 231/12 is logged, contact Detroit Diesel Technical Service. Check DDR software level. Update DDR software if current level is 1.2.

