

DIAGNOSIS AND TESTING (Continued)

1. Consult OASIS (Restraint Systems Service Code 104000) for up to date diagnostics and descriptions of wiring concern locations for the vehicle (VIN number) you are working on. OASIS is updated daily using concern descriptions from engineering and Dealership Service sources.
2. Inspect wiring and harnesses in areas where they pass through or are located next to metal components (i.e. engine compartment bulkhead, body sheet metal, component mounting brackets, etc.)

Code 51 After Air Bag Deployment

NOTE: Diagnostic monitors can withstand several air bag deployments and do not need to be replaced after every deployment. **Only replace the diagnostic monitor if it is damaged.**

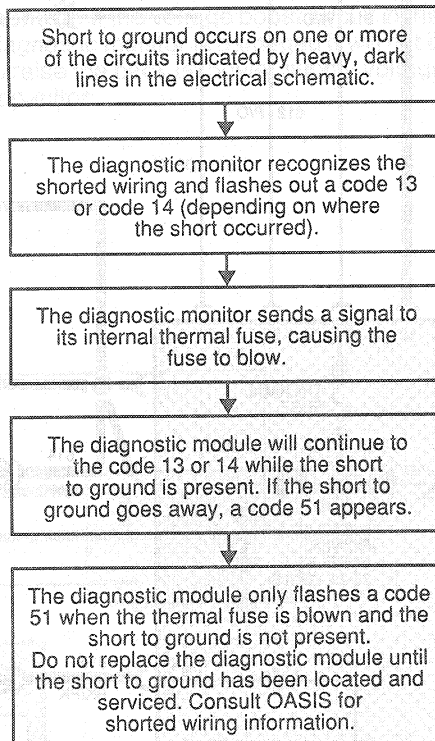
Occasionally, after an air bag deploys, the internal wiring of the air bag(s) may become shorted to the metal housings of the air bag(s). This internal air bag short is detected by the diagnostic monitor as a short to ground in the air bag deployment wiring. Since the diagnostic monitor is still operating immediately after most deployments, the monitor will detect the short and will flash code 13 and blow its internal thermal fuse. After the deployment, as the air bag(s) cool off, the internal shorted wiring may correct itself, therefore the short to ground will no longer exist and the diagnostic monitor will flash code 51. If a vehicle with a deployed air bag is flashing code 51, inspect the vehicle for crushed wiring, sensors, etc. and replace as required. If no damage is found, assume that the deployed air bag was the cause for the intermittent short and replace the diagnostic monitor when the new air bag(s) are installed.

After a short to ground has been corrected, the diagnostic monitor will flash out Diagnostic Trouble Code 51. Diagnostic Trouble Code 51 indicates that the thermal fuse inside the diagnostic monitor is blown and the short to ground no longer exists.

If a short to ground has not been located and serviced (short to ground corrected itself), consult OASIS for potential wiring shorts.

If a short to ground has been correctly located and serviced then replace diagnostic monitor. **DO NOT** replace diagnostic monitor until the short to ground has been positively located and serviced. Replacing diagnostic monitor before servicing a short to ground will result in repeat service.

CODE 51 SEQUENCE OF EVENTS



R8069-A