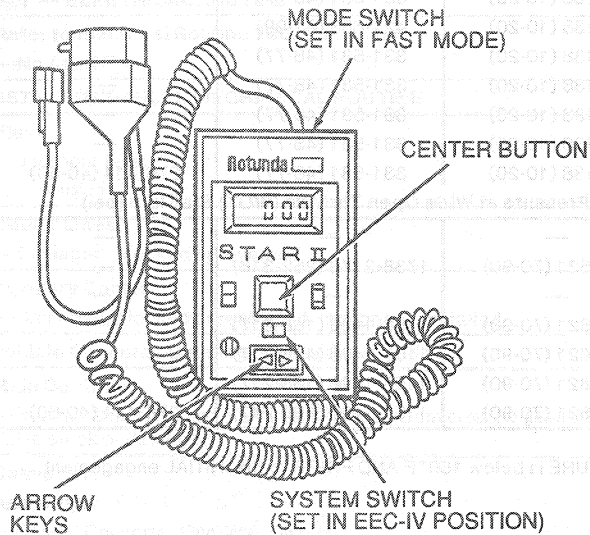


DIAGNOSIS AND TESTING (Continued)

Prepare the SUPER STAR II Tester as follows:



D10293-A

- Place system switch in the EEC-IV position.
- Tester in fast mode only (necessary to display three-digit codes).
- Keep tester leads away from any moving parts.
- Deactivate Self-Test by making sure the button in the middle is up. If not, press button once to unlatch.
- Speaker switch on, if desired.
- Turn tester to the ON position.

CAUTION: Do not replace parts based on a code, perform Pinpoint Tests first.

Quick Test 3.0 Key On, Engine Off (KOEO)

Some special considerations for Key On, Engine Off Quick Test include the following:

- The KOEO test provides both "hard" Diagnostic Trouble Codes (DTC's) (present at the time of testing) and continuous memory DTC's.
- Always service the "hard" DTC's first. These are displayed first on the tester.

Performing KOEO Self Test

1. Activate Self-Test by pressing center button on SUPER STAR II Tester (grounding Self-Test Input STI).
2. Turn ignition switch to RUN position.
3. PCM will run Self-Test and then output "hard" DTC's (or Code 111-pass test). "Hard" DTC's are repeated to make it easier to verify sequence. After "hard" DTC's have been repeated (or Code 111 repeated) a single pulse occurs to signal that next set of DTC's will be from continuous test (or Code 111-pass).
4. To display DTC's, unlatch center button and use memory buttons to scroll through codes.

Quick Test 4.0 Continuous Memory Codes (DTC's)

Continuous memory DTC's are from concerns which were detected during normal vehicle operation. These codes are retained for 40 warm up cycles.

After servicing any KOEO or KOER "hard" DTC's and a pass code 111 is received on both, service the continuous memory codes.

Some special considerations for Continuous testing include the following:

- The cause of some Continuous Memory Codes may have been eliminated if KOEO and/or KOER DTC's were serviced. Always re-test and service any DTC's that still remain.
- If DTC's are present, go to the EEC-IV On-Board Diagnostic Diagnostic Trouble Code Description Chart in this Section for service information. Erase DTC's, perform drive cycle, and repeat the Quick Test after completing service on the DTC's.
- If the Continuous test passes (111) and a concern is still present, refer to the Hydraulic / Mechanical charts, Oasis and TSBs for concern diagnostics.

CAUTION: DTC's in continuous memory can be erased by disconnecting the battery or by ungrounding the Self Test Input (STI) while the codes are being displayed during the KOEO Self-Test. This STI is ungrounded by disconnecting the small data link connector or unlatching the Star Tester button. Always write down the DTC's to avoid losing information that can be used to diagnose the customer's complaint.

- Service any non-transmission DTC's first as they can directly affect the operation of the transmission. Repeat the Quick Test and Road Test to verify the correction.

Special Test Modes:

NOTE: The wiggle test may also be entered by "latching" STI; ON, OFF, ON.

1. Wiggle test mode:

- After all DTC's have been received the wiggle test mode is entered by pressing center button on Star Tester twice. This will unlatch and relatch STI.
- The wiggle test allows the technician to attempt to re-create an intermittent malfunction. Tap, move and wiggle the suspected sensor and/or wire harness. When a malfunction is detected, the Self Test Output (STO) will be turned on as long as the concern is present. STO ON will cause the SUPER STAR II Tester to sound a continuous tone. The Malfunction Indicator Lamp (MIL) will also illuminate.