

Ignition Timing: Testing and Inspection

Computed Timing Check

With Analog Volt Meter

The computed ignition timing check is performed in the same manner as with the STAR tester, except that the self-test sequence is activated by connecting the jumper wire between the two electrical connectors.

With Star Tester

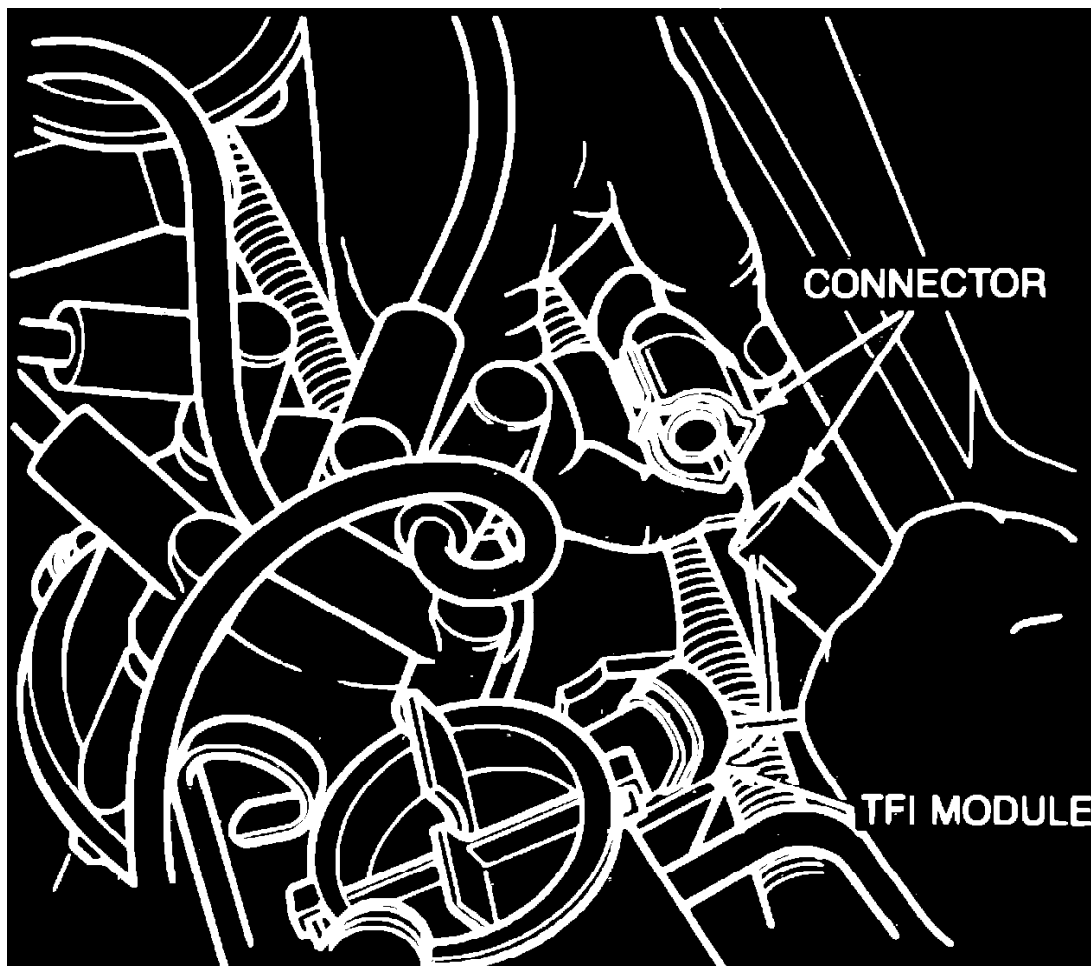


Fig. 33 Checking in-line base timing electrical connector connection

1. Ensure the in-line base timing electrical connector is securely connected, **Fig. 33**.
2. Start engine. If engine does not start refer to the appropriate Pinpoint Test charts.
3. Depress self-test button on STAR tester. Engine speed should increase. Do not note any codes that appear in the tester display window at this time.
4. Check computed ignition timing as follows:
 - a. Connect a suitable timing light onto engine as described previously.
 - b. With the EEC-IV system in the self-test mode, check ignition timing.
 - c. Ignition timing obtained should be 20° more than the specified base ignition timing.
 - d. If computed timing is not 20° more than the base timing, the system must be checked.
5. Deactivate the STAR tester by depressing self-test button. The colon should disappear along with any service codes displayed.