

Ignition Timing – Delco E.S.T. Systems:

The following procedure is used to check and adjust ignition timing for the Delco E.S.T. Distributor:

In order to set the timing correctly, it is necessary to lock out the automatic electronic spark advance feature. This is done using the timing connector plug which is attached to the distributor. This two-pronged connection is marked as shown.

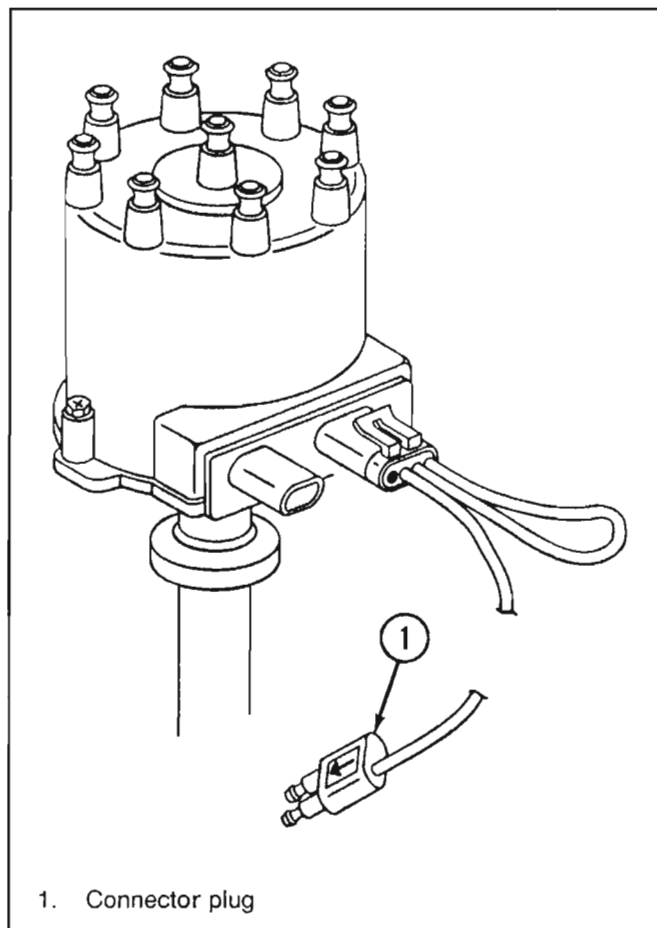


Figure 4-4. Delco E.S.T. Distributor Timing Connector Plug

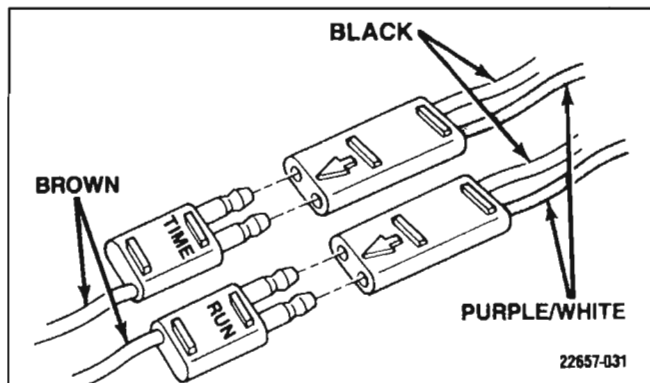


Figure 4-5. Timing Plug Positions

4. Aim timing light at timing tab, located on timing gear cover (Figure 4-3).
5. Adjust the timing by loosening the distributor hold-down clamp and rotating the distributor body as required, until the timing mark on the balancer, or pulley, lines up with the mark on the timing tab as specified in Section 4.2, Tune-Up Specifications. Tighten clamp and recheck timing.
6. Stop the engine and remove the timing light.
7. Switch the timing plug to the "RUN" position (see Figure 4-5).

NOTE: When the BROWN lead from plug connected to distributor housing is in line with the WHITE or BLACK (R) lead or with the label (RUN), the electronic spark advance is functioning and this is the normal operating mode.

1. Connect the timing light to the No. 1 spark plug (Figure 4-2). Connect the power supply leads of the light to 12 V battery.
2. Change the timing plug to the "TIME" position (see Figure 4-5).

NOTE: When the BROWN lead from plug connected to distributor housing is in line with the PINK or PURPLE/WHITE (T) lead or with the label (TIME), the electronic spark advance is disabled and the initial spark timing can be checked and adjusted at this point if necessary.

3. Start engine and run at normal idle speed.