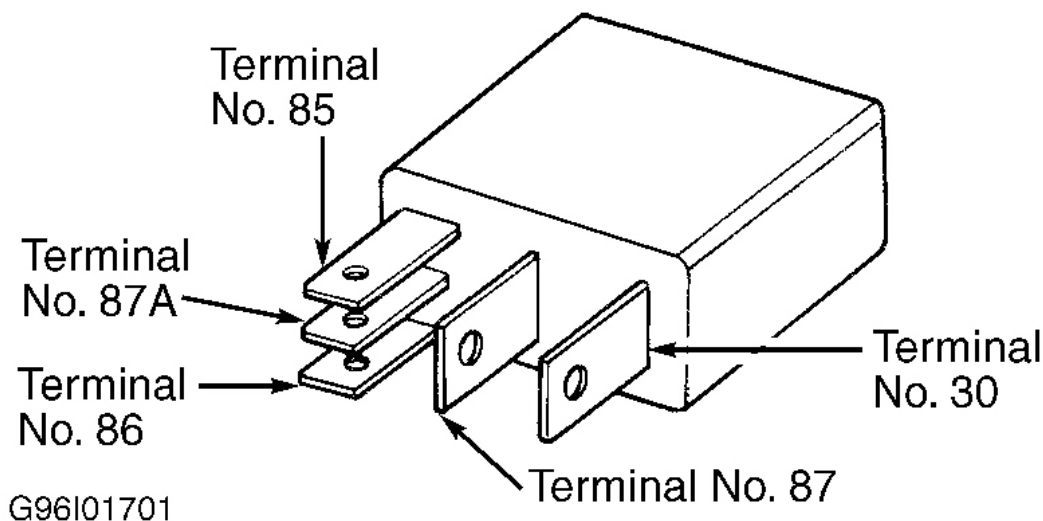


### Fuel Pump Relay

1. Remove fuel pump relay from power distribution center at driver's side front corner of engine compartment, near the battery. Note terminal identification on fuel pump relay. See **Fig. 6**.
2. To check fuel pump relay resistance, use ohmmeter and check resistance between terminals No. 85 and 86 on fuel pump relay. Replace fuel pump relay if resistance is not 70-80 ohms.
3. To check fuel pump relay operation, connect ohmmeter between terminals No. 30 and 87A on fuel pump relay. See **Fig. 6**. Ohmmeter should indicate continuity between terminals No. 30 and 87A on fuel pump relay.
4. Connect ohmmeter between terminals No. 30 and 87 on fuel pump relay. See **Fig. 6**. Ohmmeter should indicate no continuity between terminals No. 30 and 87 on fuel pump relay.

**CAUTION: DO NOT allow ohmmeter leads to contact terminals No. 85 and 86 on fuel pump relay when fuel pump relay is energized.**

5. Connect 16-gauge jumper wire between negative battery terminal and terminal No. 85 on fuel pump relay. Connect 16-gauge jumper wire between positive battery terminal and terminal No. 86 on fuel pump relay.
6. Fuel pump relay should now be energized. No continuity should now exist between terminals No. 30 and 87A on fuel pump relay. Continuity should now exist between terminals No. 30 and 87 on fuel pump relay. Disconnect jumper wires. Replace fuel pump relay if defective.
7. If fuel pump relay or wiring circuit failure exists, a Diagnostic Trouble Code (DTC) will be stored in Powertrain Control Module (PCM). See appropriate G - TESTS W/CODES article.



**Fig. 6: Identifying ASD Relay & Fuel Pump Relay Terminals**  
Courtesy of CHRYSLER CORP.

**Auto Shutdown (ASD) Relay**

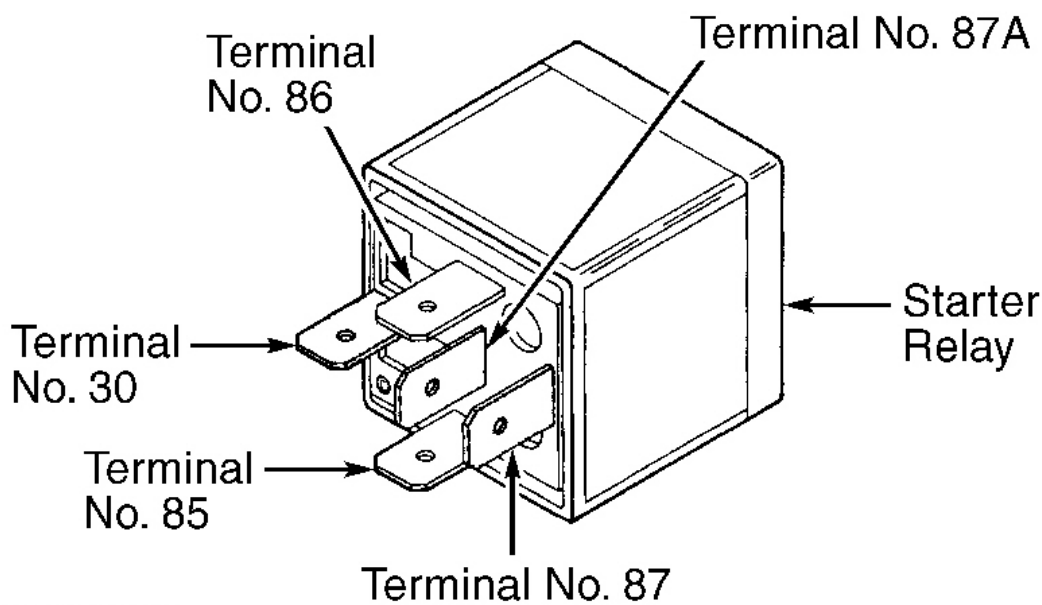
1. Remove ASD relay from power distribution center at driver's side front corner of engine compartment, near the battery. Note terminal identification on ASD relay. See **Fig. 6** .
2. To check ASD relay resistance, use ohmmeter and check resistance between terminals No. 85 and 86 on ASD relay. Replace ASD relay if resistance is not 70-80 ohms.
3. To check ASD relay operation, connect ohmmeter between terminals No. 30 and 87A on ASD relay. See **Fig. 6** . Ohmmeter should indicate continuity between terminals No. 30 and 87A on ASD relay.
4. Connect ohmmeter between terminals No. 30 and 87 on ASD relay. See **Fig. 4** . Ohmmeter should indicate no continuity between terminals No. 30 and 87 on ASD relay.

**CAUTION: DO NOT allow ohmmeter leads to contact terminals No. 85 and 86 on ASD relay when ASD relay is energized.**

5. Connect 16-gauge jumper wire between negative battery terminal and terminal No. 85 on ASD relay. Connect 16-gauge jumper wire between positive battery terminal and terminal No. 86 on ASD relay.
6. ASD relay should now be energized. No continuity should now exist between terminals No. 30 and 87A on ASD relay. Continuity should now exist between terminals No. 30 and 87 on ASD relay. Disconnect jumper wires. Replace ASD relay if defective.
7. If ASD relay or wiring circuit failure exists, a Diagnostic Trouble Code (DTC) will be stored in Powertrain Control Module (PCM). See appropriate G - TESTS W/CODES article.

### Starter Relay

1. Remove starter relay from power distribution center at driver's side front corner of engine compartment, near the battery. Note terminal identification on starter relay. See **Fig. 9**.
2. To check starter relay resistance, use ohmmeter and check resistance between terminals No. 85 and 86 on starter relay. Replace starter relay if resistance is not 70-80 ohms.
3. To check starter relay operation, connect ohmmeter between terminals No. 30 and 87A on starter relay. See **Fig. 9**. Ohmmeter should indicate continuity between terminals No. 30 and 87A on starter relay.
4. Connect ohmmeter between terminals No. 30 and 87 on starter relay. See **Fig. 9**. Ohmmeter should indicate no continuity between terminals No. 30 and 87 on starter relay.
5. Connect jumper wire between negative battery terminal and terminal No. 85 on starter relay. Connect jumper wire between positive battery terminal and terminal No. 86 on starter relay.
6. Starter relay should now be energized. No continuity should now exist between terminals No. 30 and 87A on starter relay. Continuity should now exist between terminals No. 30 and 87 on starter relay. Disconnect jumper wires. Replace starter relay if defective.



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**Fig. 9: Identifying Starter Relay Terminals**  
Courtesy of CHRYSLER CORP.