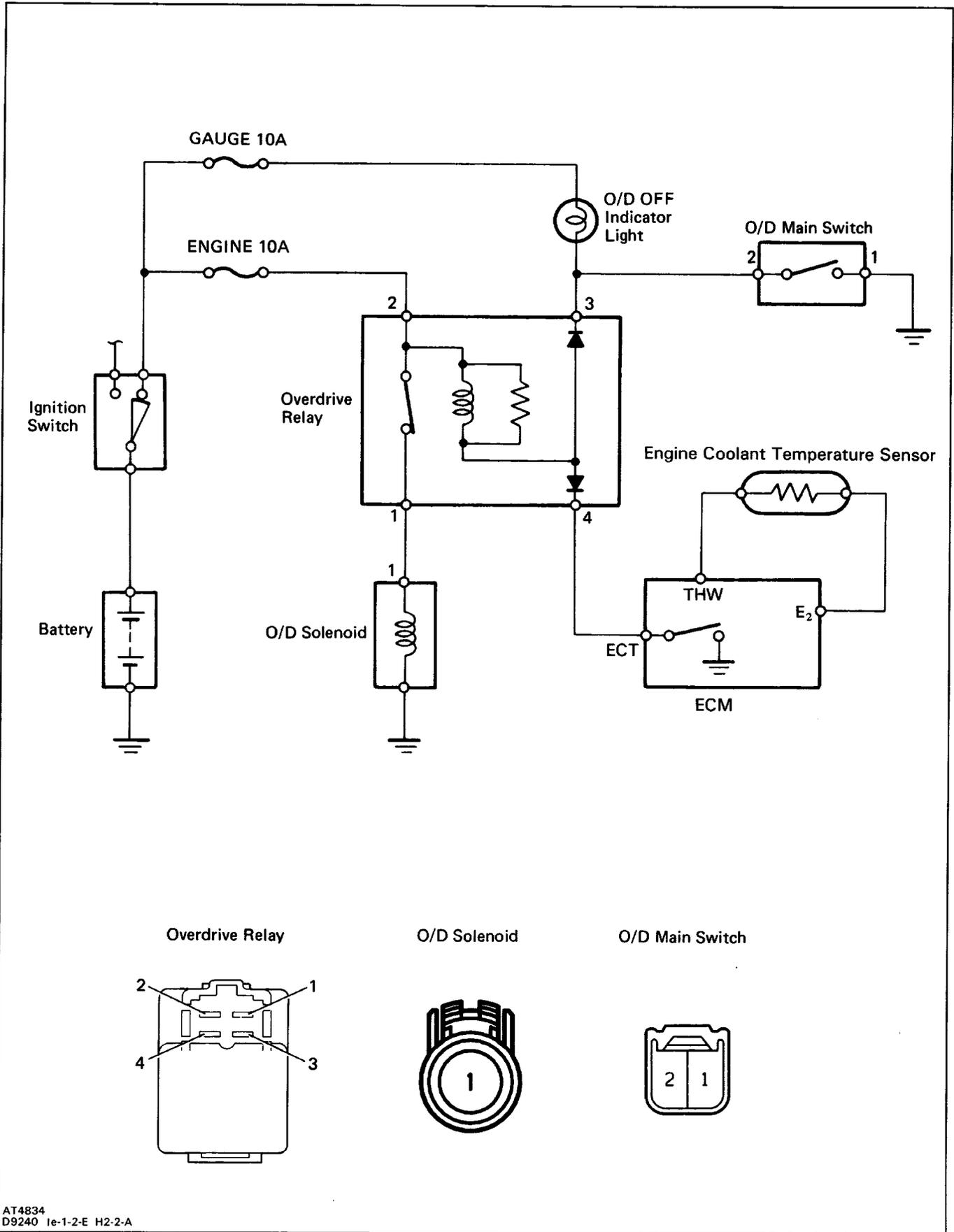
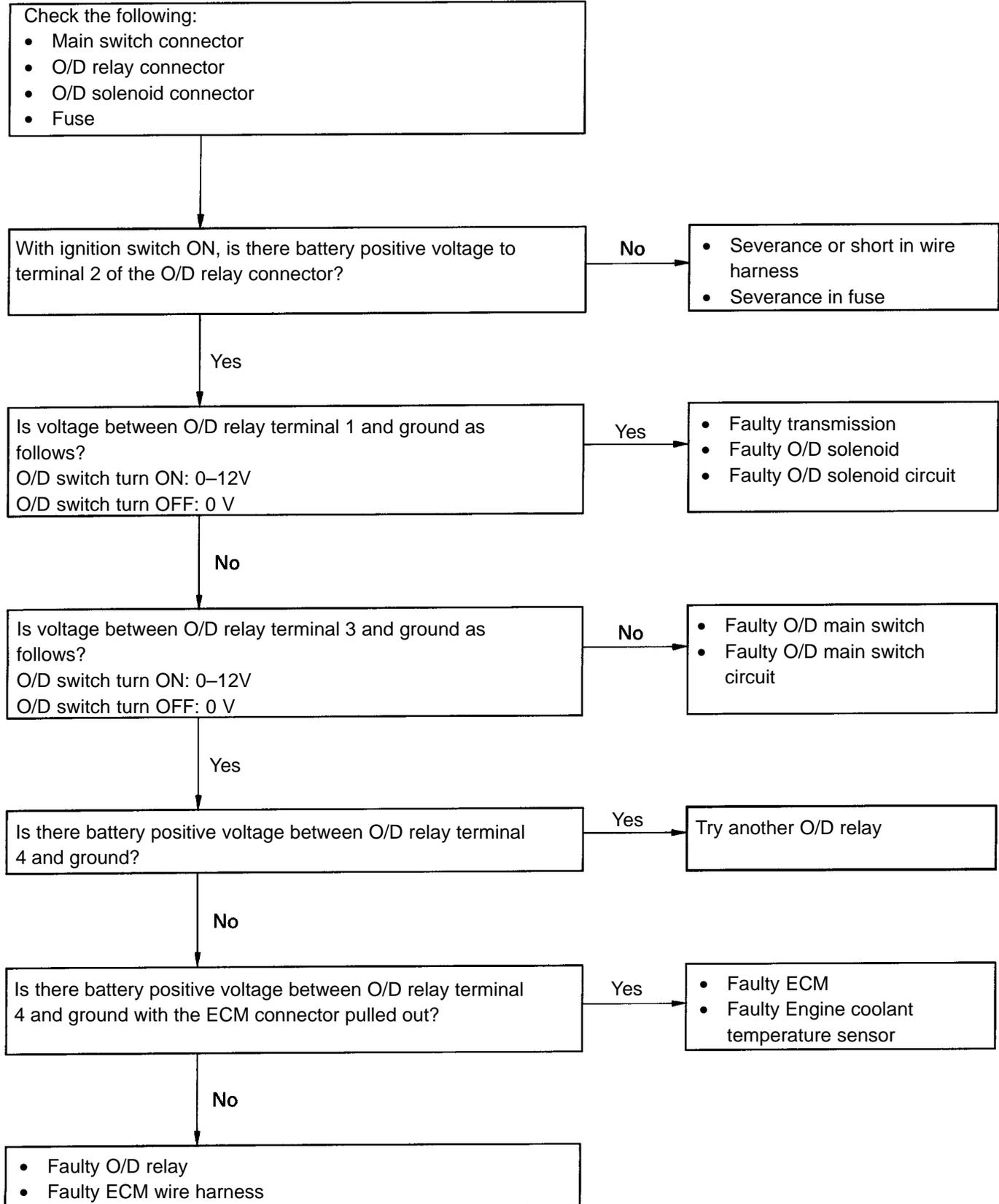


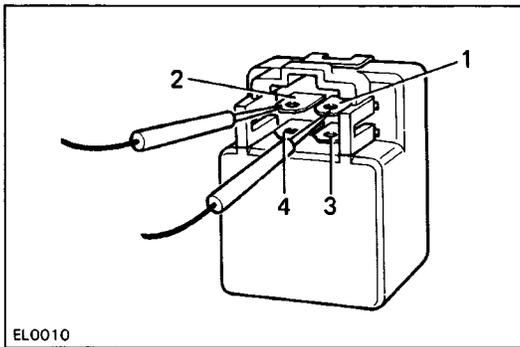
# Overdrive Control System ELECTRIC CONTROL CIRCUIT



# TROUBLESHOOTING FLOW-CHART

**Trouble: No overdrive engagement with the main switch ON. (After warm-up)**



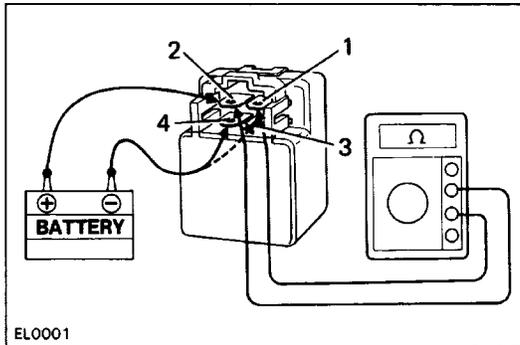


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## INSPECTION OF OVERDRIVE CONTROL COMPONENTS

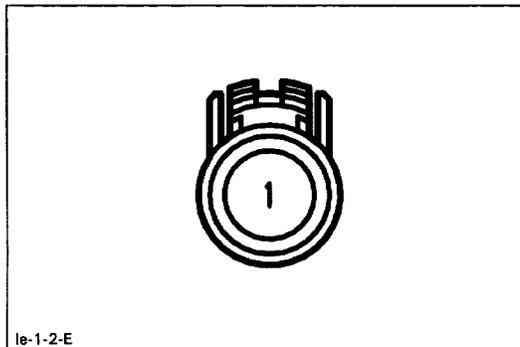
### 1. INSPECT OVERDRIVE RELAY

- (a) Remove the overdrive relay from the pedal bracket.
- (b) Using an ohmmeter, check that there is continuity between terminals 1 and 2.



EL0001

- (c) Apply battery positive voltage to the relay terminals 2 and 3. Using an ohmmeter, check that there is no continuity between terminals 1 and 2.
- (d) Apply battery positive voltage to the relay terminals 2 and 4. Using an ohmmeter, check that there is no continuity between terminals 1 and 2.
- (e) Install the overdrive relay to the pedal bracket.

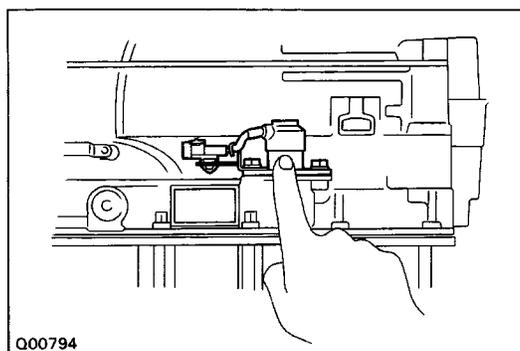


1e-1-2-E

### 2. INSPECT OVERDRIVE SOLENOID

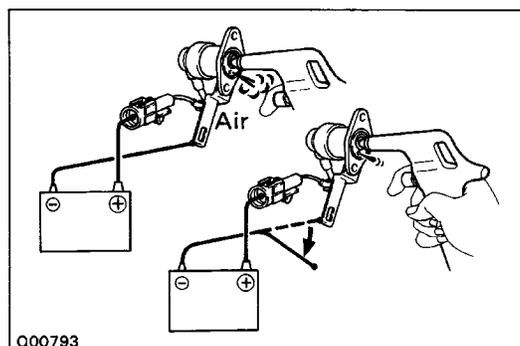
- (a) Using an ohmmeter, measure the resistance between terminal 1 and body.

**Resistance: 11–15 Ω**



Q00794

- (b) Apply battery positive voltage to the solenoid. Check that the solenoid operation sound is heard.

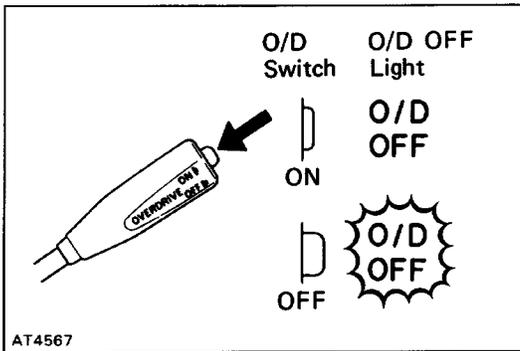


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### 3. CHECK SOLENOID SEALS

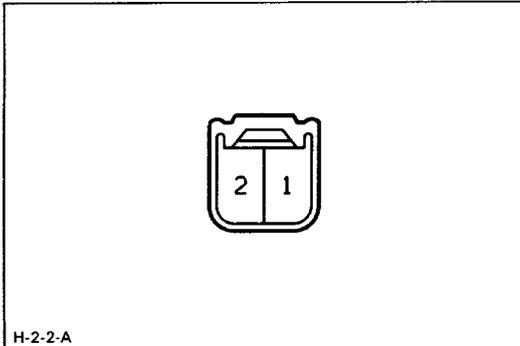
If there is foreign material in the solenoid valve, there will be no fluid control even with solenoid operation

- (a) Check that the solenoid valve does not leak when low-pressure compressed air is applied.
- (b) When supplying battery positive voltage to the solenoid, check that the solenoid valve opens.



**4. INSPECT-O/D OFF” INDICATOR**

- (a) Turn on the ignition switch.
- (b) Check that the-O/D OFF” indicator does not light, when the O/D main switch is turned ON.
- (c) Check that the-O/D OFF” indicator lights, when the O/D main switch is turned OFF.



**5. INSPECT OVERDRIVE MAIN SWITCH**

- (a) Remove the steering column cover.
- (b) Using an ohmmeter, check the continuity of the terminals for each switch position.

	Terminal	
SW Position	1	2
ON		
OFF	○ — ○	

**6. INSPECT ENGINE COOLANT TEMPERATURE SENSOR**  
(See page FI-115)