

Electrical Troubleshooting

Troubleshooting Flowchart (cont'd)

Self-diagnosis **D4** indicator light blinks five times.

Turn the ignition switch ON.

Observe the A/T gear position indicator and select each position separately.

Do any indicators fail to light when shifting through all positions?

YES

See A/T gear position indicator inspection (see [section 23](#)).

NO

Turn the ignition switch OFF.

Connect the Test Harness between the PCM and connectors (page [14-48](#) and [49](#)).

Turn the ignition switch ON.

Shift to other than **R** position.

Measure the voltage between the A13 and A3 or A4 terminals.

Is there battery voltage?

NO

Check for short in GRN/RED wire between the E13 terminal and the A/T gear position switch or A/T gear position indicator. If wire is OK, check for loose PCM connectors. If necessary, substitute a known-good PCM and recheck.

YES

Shift to other than **N** and **P** position.

Measure the voltage between the B7 and A3 or A4 terminals.

Is there battery voltage?

NO

Check for short in LT GRN wire between the B7 terminal and the A/T gear position indicator or in GRN/WHT or GRN wire between the A/T gear position indicator and the A/T gear position switch. If wire is OK, check for loose PCM connectors. If necessary, substitute a known-good PCM and recheck.

YES

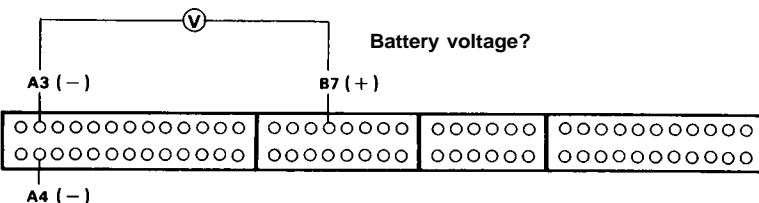
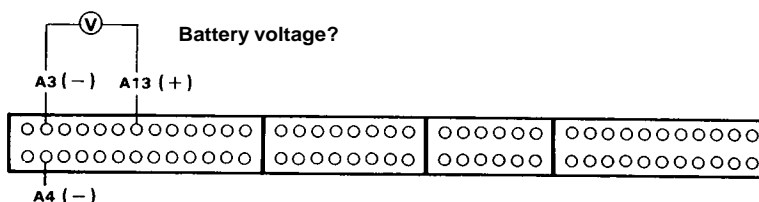
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Possible Cause

- Short in A/T gear position switch wire
- Faulty A/T gear position switch

NOTE: Code 5 is caused when the PCM receives two gear position inputs at the same time.

NOTE: The section A of the Test Harness with the Test Harness Adapter corresponds to the E (26P) connector of the PCM.





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Shift to other than **D4** position.

Measure the voltage between the A15 and A3 or A4 terminals.

Is there battery voltage?

YES

Shift to other than **D3** position.

Measure the voltage between the A17 and A3 or A4 terminals.

Is there battery voltage?

YES

Shift to other than **2** position.

Measure the voltage between the A19 and A3 or A4 terminals.

Is there battery voltage?

YES

Shift to other than **1** position.

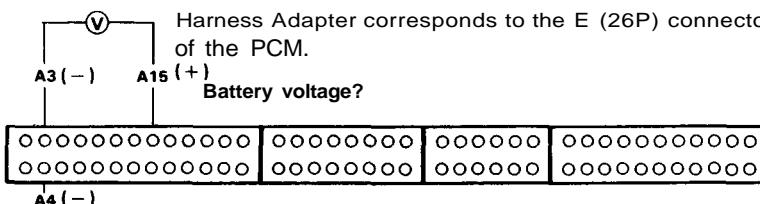
Measure the voltage between the A21 and A3 or A4 terminals.

Is there battery voltage?

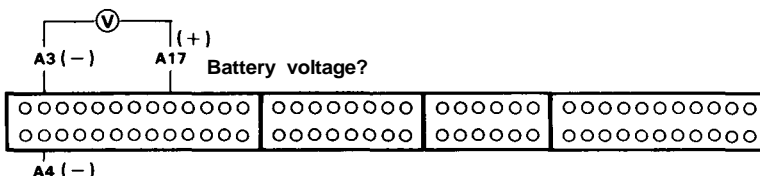
YES

Check for loose PCM connectors. If necessary, substitute a known-good PCM and recheck.

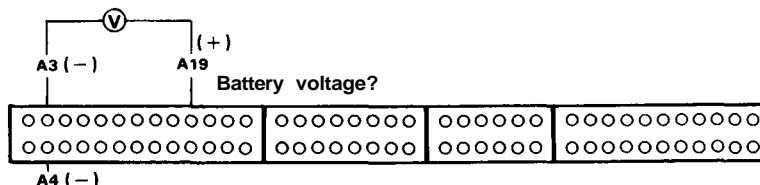
NOTE: The section A of the Test Harness with the Test Harness Adapter corresponds to the E (26P) connector of the PCM.



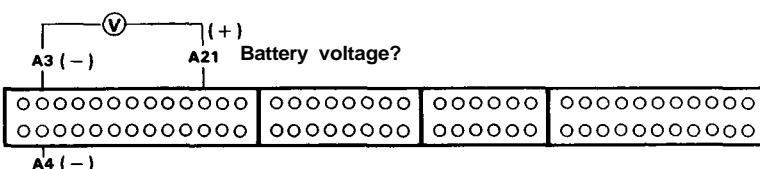
Check for short in GRN/BLK wire between the E15 terminal and the A/T gear position switch. If wire is OK, check for loose PCM connectors. If necessary, substitute a known-good PCM and recheck.



Check for short in GRN/BLU wire between the E17 terminal and the A/T gear position switch or A/T gear position indicator. If wire is OK, check for loose PCM connectors. If necessary, substitute a known-good PCM and recheck.



Check for short in GRN/YEL wire between the E19 terminal and the A/T gear position switch or A/T gear position indicator. If wire is OK, check for loose PCM connectors. If necessary, substitute a known-good PCM and recheck.



Check for short in GRN/ORN wire between the E21 terminal and the A/T gear position switch or A/T gear position indicators. If wire is OK, check for loose PCM connectors. If necessary, substitute a known-good PCM and recheck.

(cont'd)