

Transmission Control Switch Circuit

CIRCUIT DESCRIPTION

When the shift lever is in the 3 range (with transmission control switch for D and 3 pressed), "3" in the shift position indicator light will come on and when the shift lever is in the D range (with transmission control switch for D and 3 released), "D" in the shift position indicator light will come on.

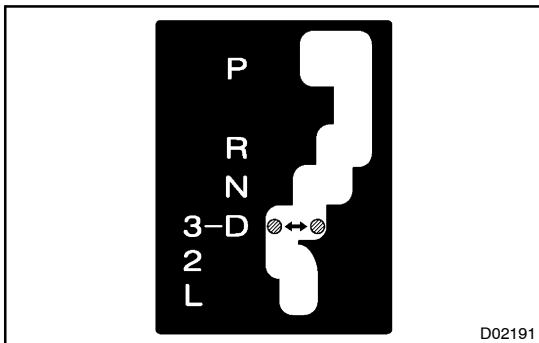
When the shift lever is in 3 range, the Engine and ECT ECU prohibits shifting to 4th.

WIRING DIAGRAM

See page DI-47.

INSPECTION PROCEDURE

- | | |
|---|--|
| 1 | Check operation of transmission control switch. |
|---|--|



PREPARATION:

Turn the ignition switch ON.

CHECK:

Check the shift indicator light when the shift lever is in each range.

OK:

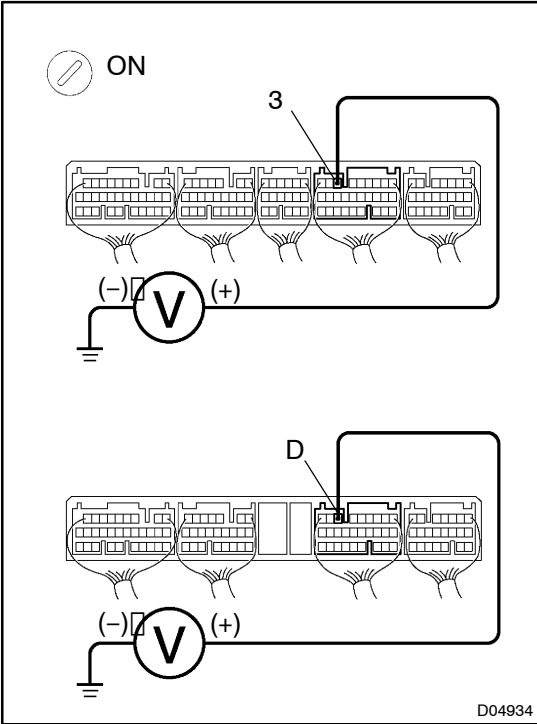
Shift Lever Range	Specified Condition
D	"D" indicator light comes on
Except D	"D" indicator light goes off
3	"3" indicator light comes on
Except 3	"3" indicator light goes off

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Go to step 4 .

OK

2 Check voltage between each of terminals D, 3 of Engine and ECT ECU and body ground.



PREPARATION:

Remove the Engine and ECT ECU with connectors still connected.

CHECK:

- (a) Turn ignition switch ON.
- (b) Check voltage between terminal D and 3 of Engine and ECT ECU and body ground.

OK:

Tester connection	Shift lever range	Specified condition
D - Body ground	D or 4	9 - 14V
	Except D and 4	Below .5V
3 - Body ground	3	9 - 14V
	Except 3	Below .5V

OK Proceed to next circuit inspection shown in problem symptoms table (See page DI-19)

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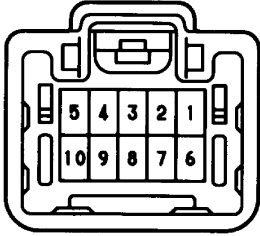
3 Check harness and connector between battery and Engine and ECT ECU, Engine and ECT ECU and shift indicator light (See page IN-30).

NG Repair or replace harness or connector.

OK

Check and replace Engine and ECT ECU (See page IN-30).

4 Check transmission control switch.



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CHECK:

- (a) Disconnect the transmission control switch connector.
- (b) Check continuity between each terminal of transmission control switch connector.

OK:

Shift range	Tester connection	Specified value
D	1 - 6	Continuity
3	1 - 7	Continuity

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Replace transmission control switch.

OK

Check and replace combination meter
(See combination meter troubleshooting
section on page BE-61).