

## MANUAL SHIFTING TEST

### 1. MANUAL SHIFTING TEST

HINT:

- Through this test, it can be determined whether the trouble occurs in the electrical circuit or if it is a mechanical problem in the transmission.
- If any abnormalities are found in the following test, the problem is in the transmission itself.

- (a) Disconnect the connector of the transmission wire.

HINT:

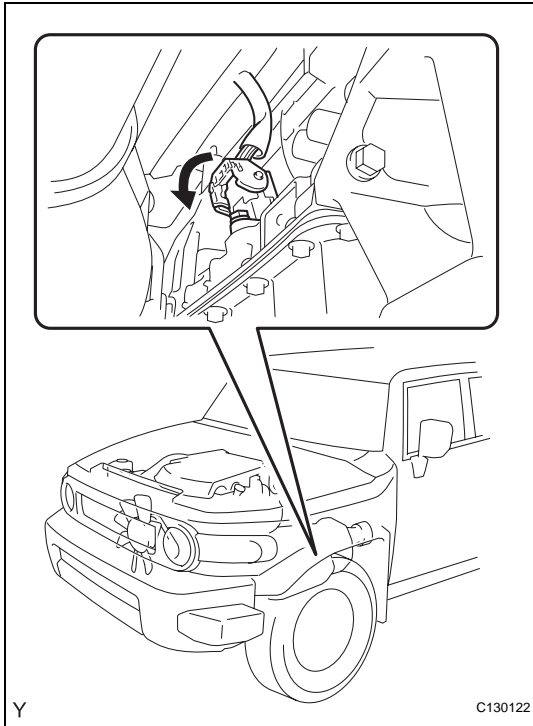
It is possible to deactivate the electrical shift control by disconnecting the transmission wire. The gear positions can then be changed mechanically with the shift lever.

- (b) Drive with the transmission wire disconnected. Shift the shift lever to each position to check whether the gear position changes as shown in the table below.

Shift Lever Position	Gear Position
D	4th
4	4th
3	3rd
2	1st
L	1st
R	R
P	P

- (c) Connect the connector of the transmission wire.

- (d) Clear the DTC (See page [AT-33](#)).



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## INITIALIZATION

### 1. RESET MEMORY

**CAUTION:**

Perform the RESET MEMORY (AT initialization) when replacing the automatic transmission assembly, engine assembly or ECM.

**NOTICE:**

**Intelligent tester only**

**HINT:**

The ECM stores the conditions under which the ECT (Electronic Controlled Automatic Transmission) controls the automatic transmission and engine assemblies according to their characteristics. Therefore, when the automatic transmission assembly, engine assembly, or ECM has been replaced, it is necessary to reset the memory so that the ECM can store the new information. Reset procedure is as follows.

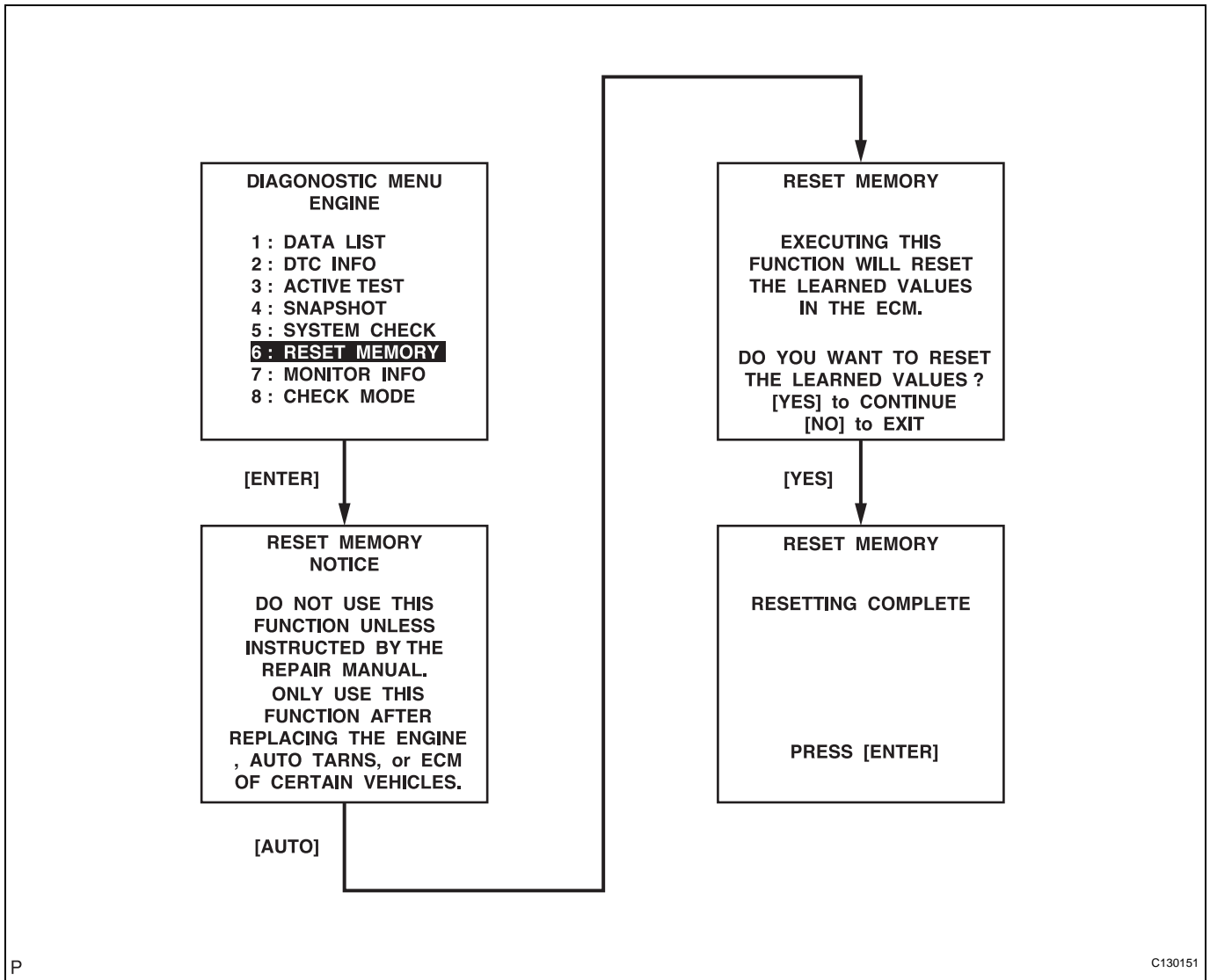
- (a) Turn the ignition switch off.
- (b) Connect the intelligent tester together with the CAN VIN (controller area network vehicle interface module) to the DLC3.
- (c) Turn the ignition switch to the ON position and push the intelligent tester main switch on.
- (d) Select the items "DIAGNOSIS / ENHANCED OBD II".
- (e) Perform the reset memory procedure from the ENGINE menu.

**CAUTION:**

After performing the RESET MEMORY, be sure to perform the ROAD TEST (See page [AT-13](#)) described earlier.

**HINT:**

The ECM stores the new information during the ROAD TEST.



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