SYSTEM DESCRIPTION

1. SYSTEM DESCRIPTION

(a) The Electronic Controlled Automatic Transmission (ECT) is an automatic transaxle that electronically controls shift timing using the Engine Control Module (ECM). The ECM detects electrical signals that indicate engine and driving conditions, and controls the shift point based on driver habits and road conditions. As a result, fuel efficiency and power transaxle performance are improved. Shift shock is reduced by controlling the engine and transaxle simultaneously.

In addition, the ECT has the following features:

- Diagnostic function.
- Fail-safe function when a malfunction occurs.



HOW TO PROCEED WITH TROUBLESHOOTING

HINT:

- The ECM of this system is connected to the CAN and multiplex communication system. Therefore, before starting troubleshooting, make sure to check that there is no trouble in the CAN and multiplex communication system.
- *: Use the intelligent tester.

1	VEHICLE BROUGHT TO WORKSHOP
---	-----------------------------

NEXT

2 CUSTOMER PROBLEM ANALYSIS

NEXT

3 INSPECT BATTERY VOLTAGE

Standard voltage:

11 to 14 V

If the voltage is below 11 V, recharge or replace the battery before proceeding.

NEXT

4 CONNECT INTELLIGENT TESTER TO DLC3*

NEXT

5 CHECK AND CLEAR DTCS AND FREEZE FRAME DATA*

(a) Refer to the DTC CHECK/CLEAR (see page AX-30).

NEXT

6 VISUAL INSPECTION

NEXT

7 SETTING CHECK MODE DIAGNOSIS*

(a) Refer to the CHECK MODE PROCEDURE (see page AX-31).

AX

NEXT

8 PROBLEM SYMPTOM CONFIRMATION

(a) Refer to the ROAD TEST (see page AX-14). Result

Result	Proceed to
Symptom does not occur	Α
Symptom occurs	В

B GO TO STEP 10



9 SYMPTOM SIMULATION

(a) Refer to the ELECTRONIC CIRCUIT INSPECTION PROCEDURE (see page IN-30).

NEXT

Α

10 DTC CHECK*

(a) Refer to the DTC CHECK / CLEAR (see page AX-30). Result

Result	Proceed to
DTC is not output	Α
DTC is output	В





11 BASIC INSPECTION

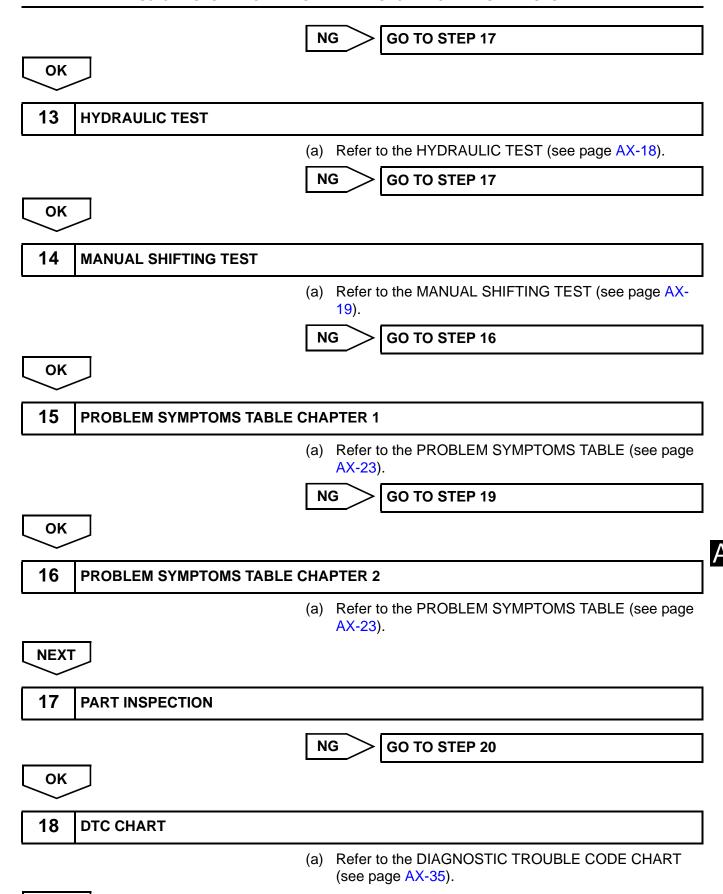
- (a) Refer to the AUTOMATIC TRANSAXLE FLUID (see page AX-83).
- (b) Refer to the PARK/NEUTRAL POSITION SWITCH (see page AX-88).
- (c) Refer to the FLOOR SHIFT ASSEMBLY (see page AX-117).

NG STEP 21

OK

12 MECHANICAL SYSTEM TEST

(a) Refer to the MECHANICAL SYSTEM TESTS (see page AX-16).



NEXT

19	CIRCUIT INSPECTION	
NEXT		
20	IDENTIFICATION OF PROBLEM	
NEXT		
21	REPAIR OR REPLACE	
NEXT		
22	CONFIRMATION TEST	
NEXT		
END		

