## SYSTEM DESCRIPTION

### 1. SYSTEM DESCRIPTION

- (a) The ECT (Electronic controlled automatic transmission) is an automatic transmission that electronically controls shift timing using the 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 transmission performance are improved. Shift shock has been reduced by controlling the engine and transmission simultaneously. In addition, the ECT has features such as follows:
  - Diagnostic function.
  - Fail-safe function when a malfunction occurs.

AT

# HOW TO PROCEED WITH TROUBLESHOOTING

#### HINT:

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

NEXT

2 CUSTOMER PROBLEM ANALYSIS

NEXT

3 CONNECT INTELLIGENT TESTER TO DLC3 \*

NEXT

4 CHECK AND CLEAR DTCS AND FREEZE FRAME DATA \*

Refer to the DTC CHECK / CLEAR (See page AT-33).

NEXT

5 VISUAL INSPECTION

NEXT

6 SETTING CHECK MODE DIAGNOSIS \*

Refer to the CHECK MODE PROCEDURE (See page AT-33).

NEXT

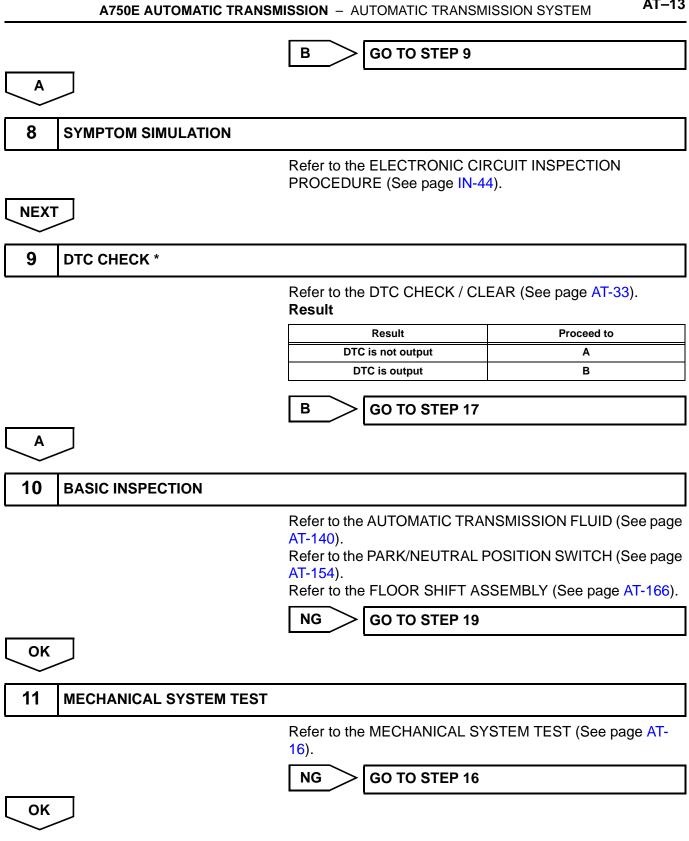
PROBLEM SYMPTOM CONFIRMATION

Refer to the ROAD TEST (See page AT-13).

### Result

Result	Proceed to
Symptom does not occur	A
Symptom occurs	В

AT



12 **HYDRAULIC TEST** 

Refer to the HYDRAULIC TEST (See page AT-18).

**GO TO STEP 16** NG

OK

13 MANUAL SHIFTING TEST

Refer to the MANUAL SHIFTING TEST (See page AT-19).

NG STEP 15

OK

14 PROBLEM SYMPTOMS TABLE CHAPTER 1

Refer to the PROBLEM SYMPTOMS TABLE (See page AT-22).

NG STEP 18

OK

15 PROBLEM SYMPTOMS TABLE CHAPTER 2

Refer to the PROBLEM SYMPTOMS TABLE (See page AT-22).

NEXT

16 PART INSPECTION

NEXT GO TO STEP 19

AT

17 DTC CHART

Refer to the DIAGNOSTIC TROUBLE CODE CHART (See page AT-40).

NEXT

18 CIRCUIT INSPECTION

**NEXT** 

19 REPAIR OR REPLACE

NEXT

20	CONFIRMATION TEST
NEXT	
END	

AT