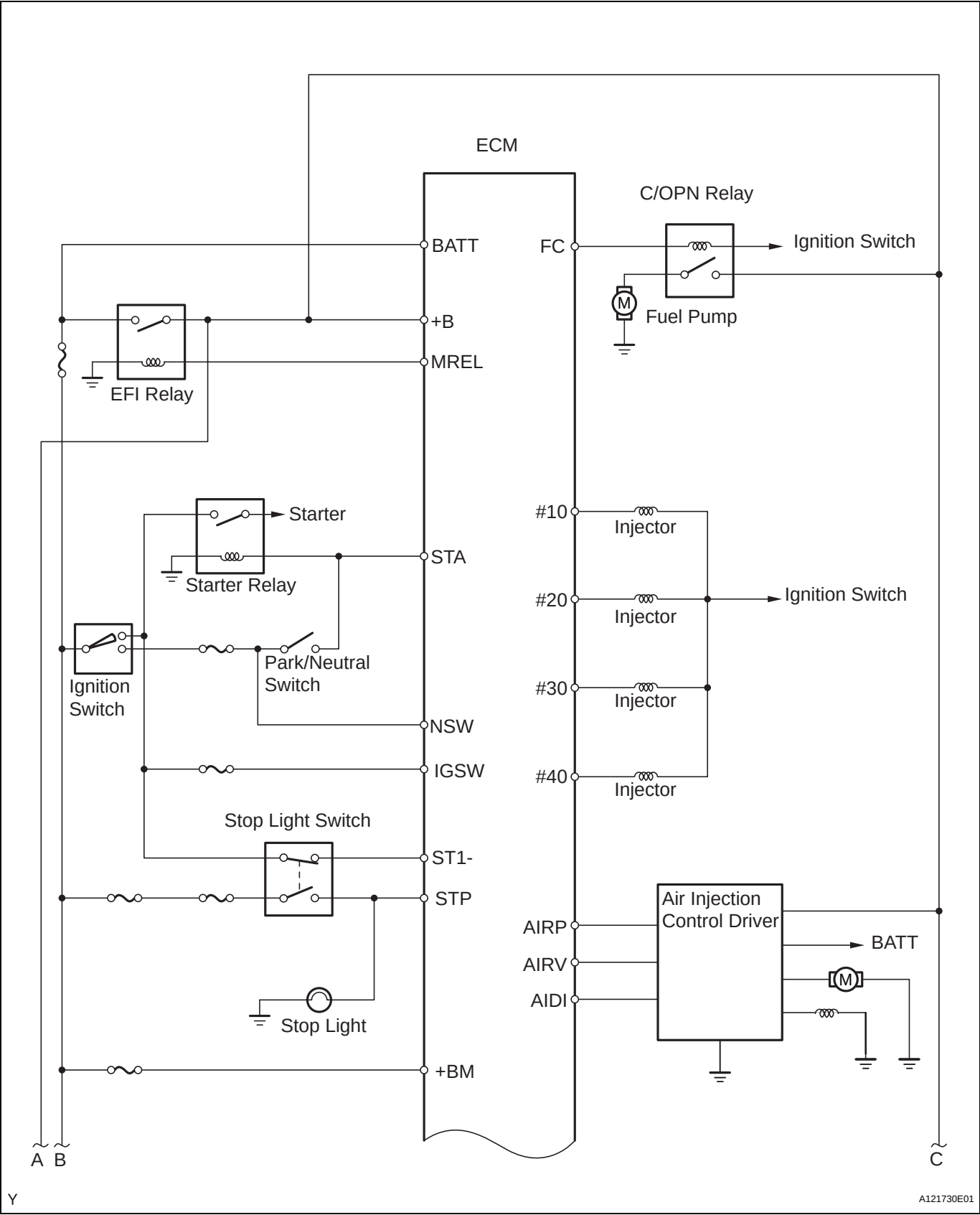
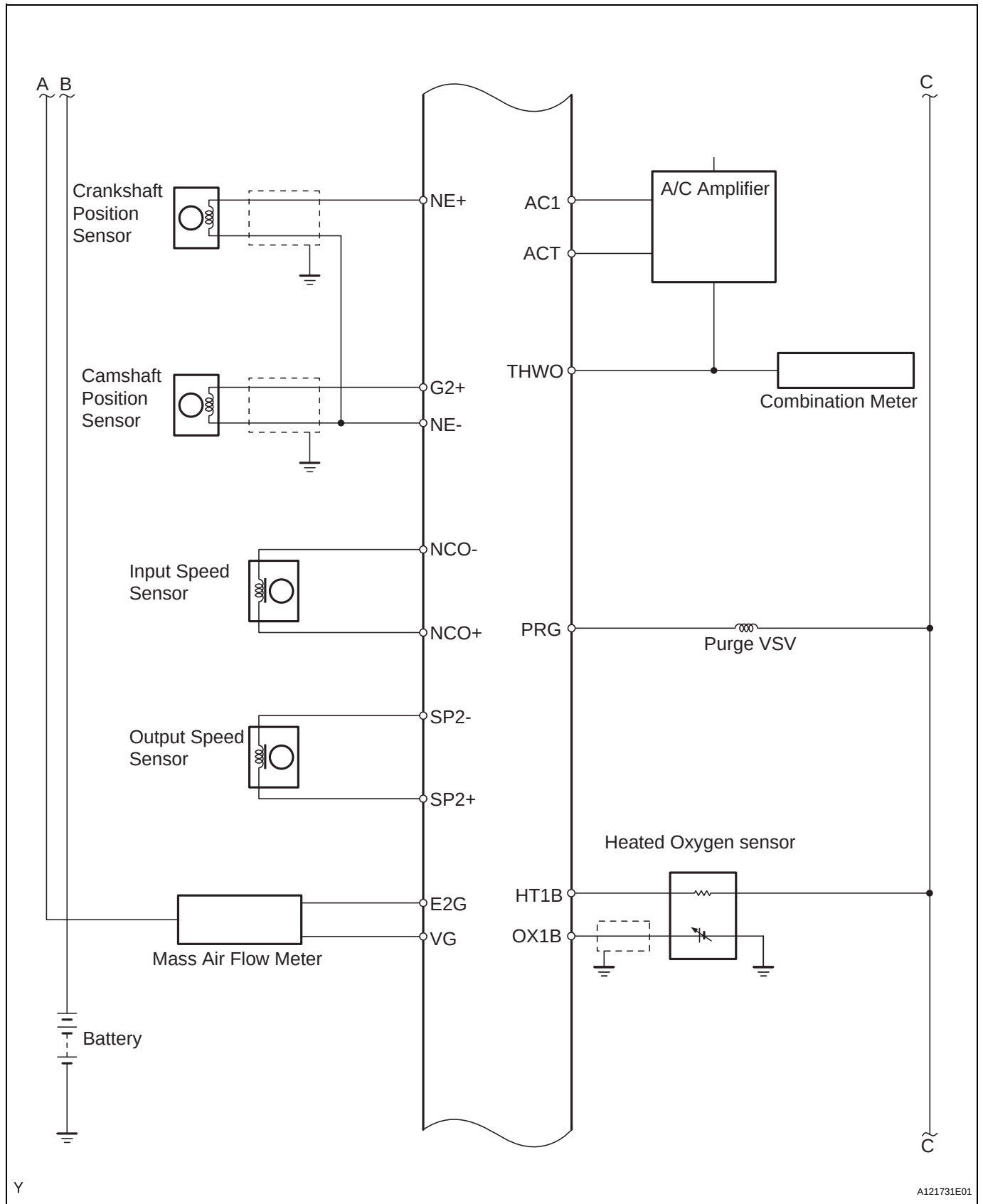
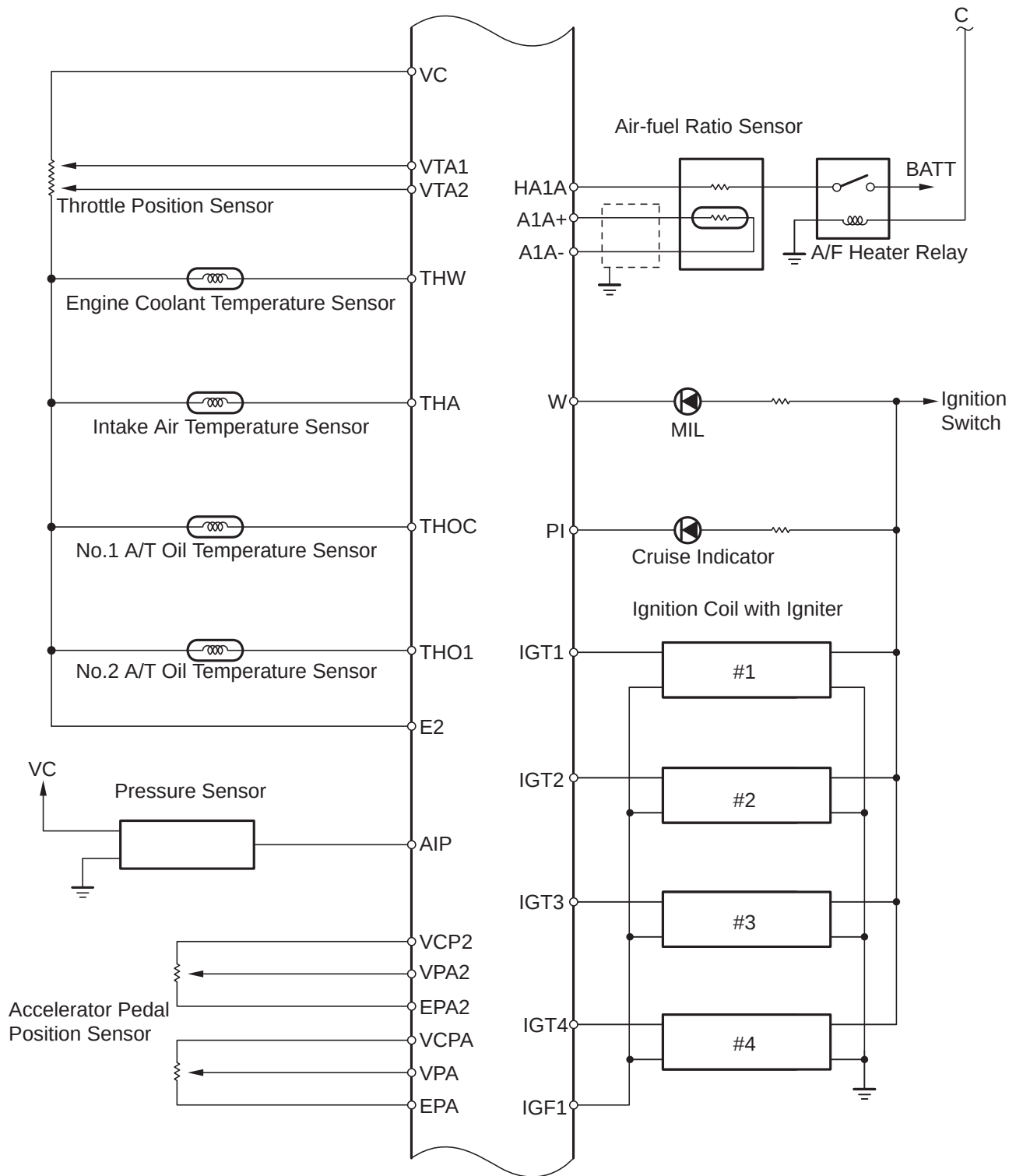


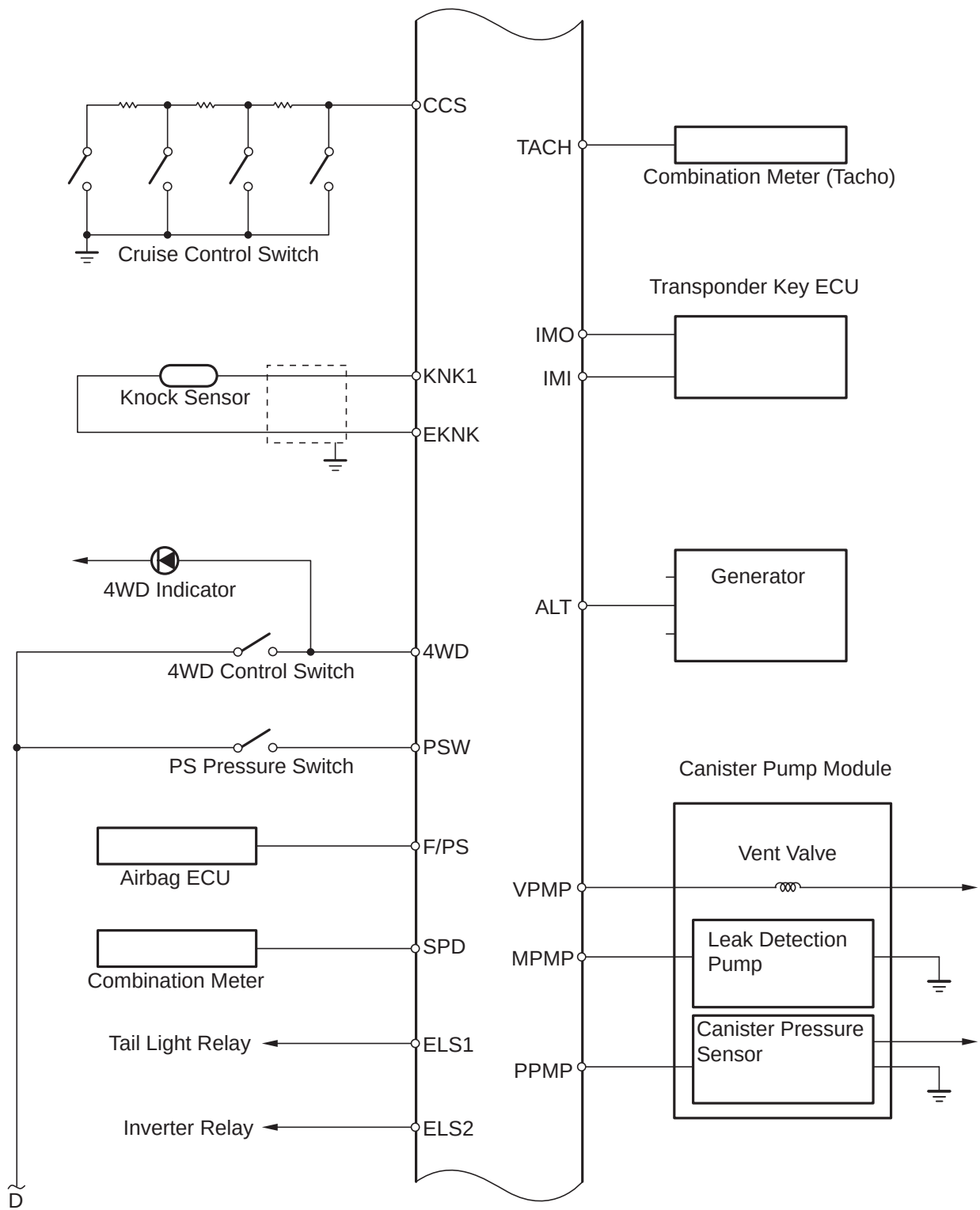
SYSTEM DIAGRAM

1. SYSTEM DIAGRAM







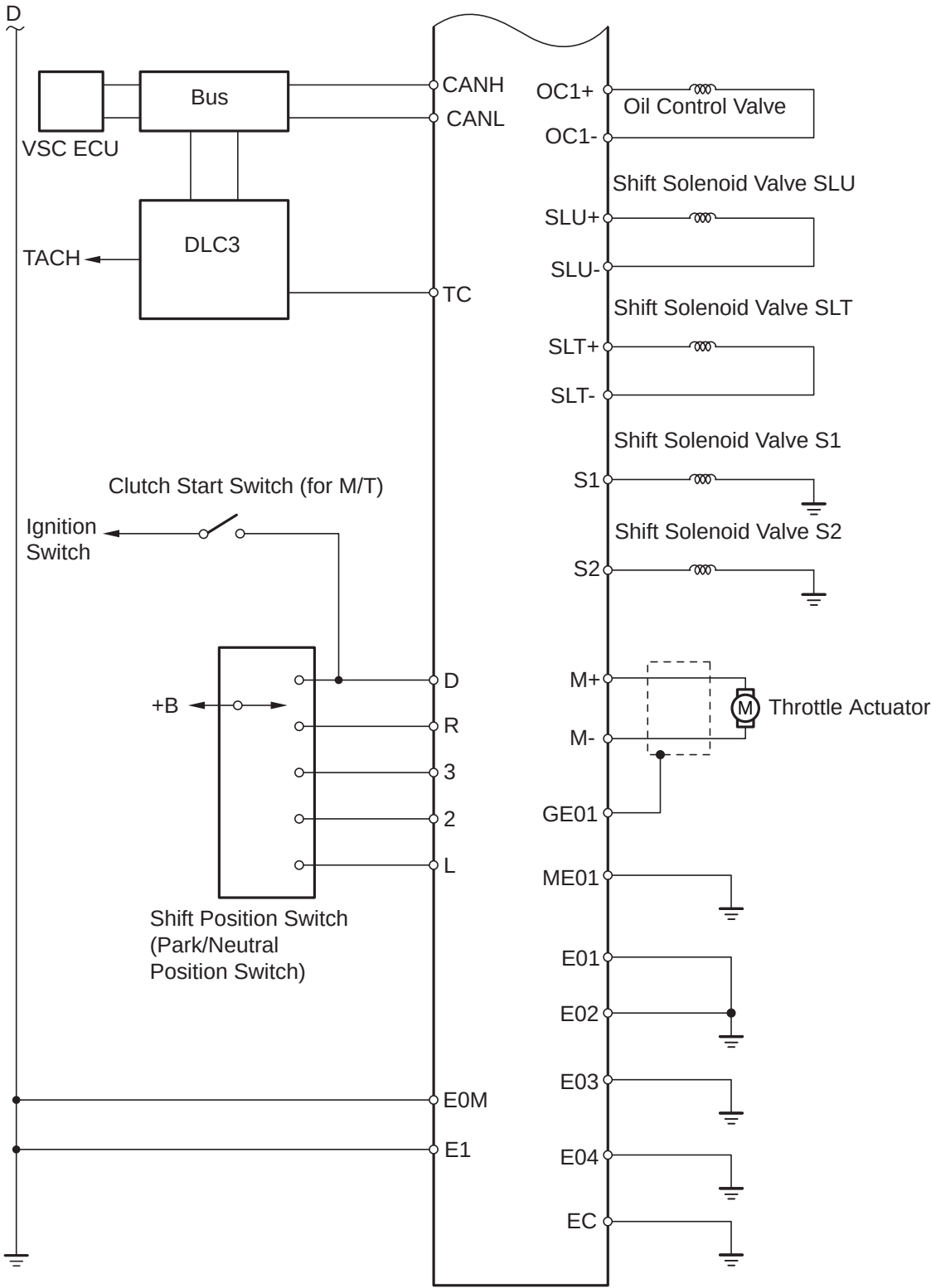


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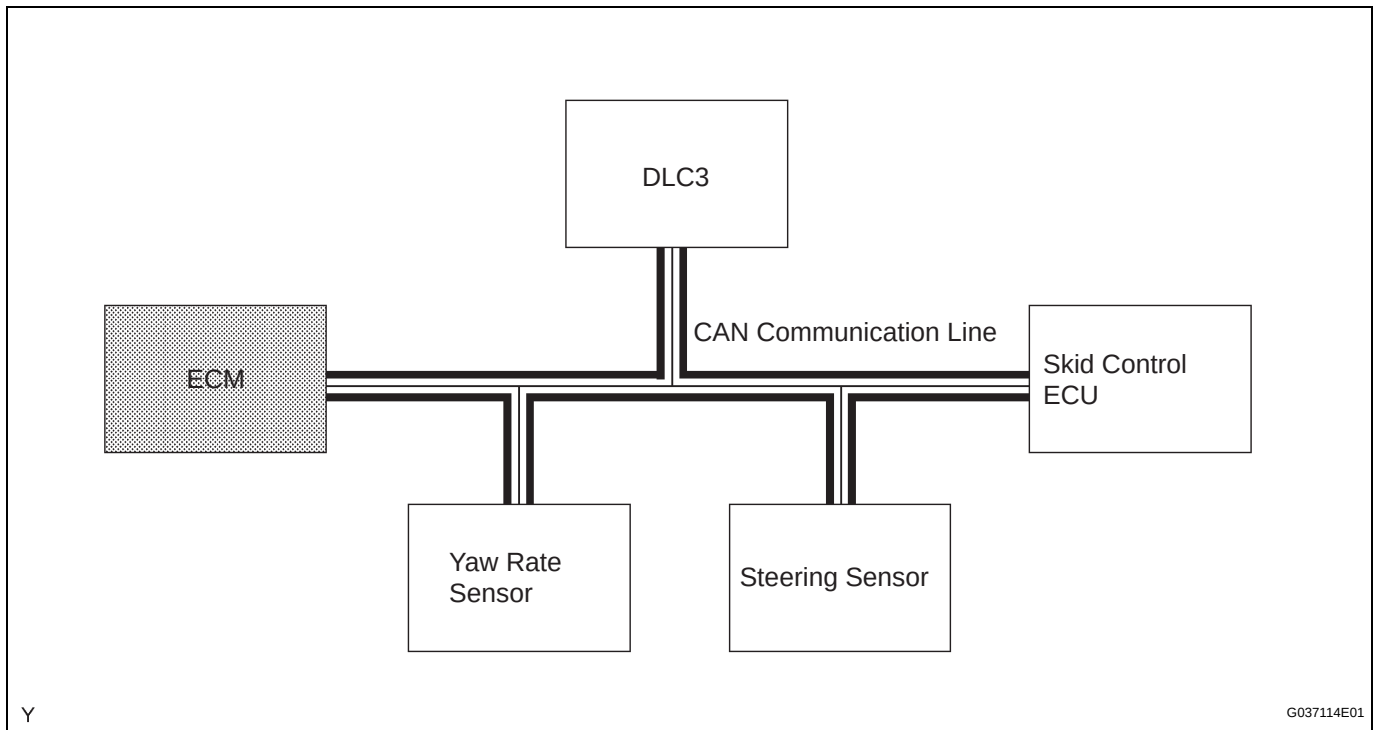
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2. COMMUNICATION WITH OTHER COMPUTERS



HINT:

Refer to CAN COMMUNICATION SYSTEM (See page [CA-4](#)).

3. COMMUNICATION SIGNALS

Transmitter	Receiver	Signal	Communication Line
ECM	Skid Control ECU	- Intake air temperature signal - Check mode signal - Engine rpm signal - Throttle position signal - Cruise control operation signal - VSC prohibition requirement signal - Shift position signal - Destination signal - Engine system malfunction signal - Ignition timing signal	CAN
Skid Control ECU	ECM	- VSC/TRC operation signal - VSC/TRC system malfunction signal - Fuel cut requirement signal - Cruise control cancel requirement signal - Torque requirement signal	CAN

HINT:

Refer to CAN COMMUNICATION SYSTEM (See page [CA-4](#)).

HOW TO PROCEED WITH TROUBLESHOOTING

*: Use the intelligent tester.

1 VEHICLE BROUGHT TO WORKSHOP

NEXT

2 CUSTOMER PROBLEM ANALYSIS

NEXT

3 CONNECT INTELLIGENT TESTER TO DLC3*

HINT:

If the display indicates a communication fault in the tester, inspect the DLC3.

NEXT

4 CHECK DTC AND FREEZE FRAME DATA*

HINT:

Record or print DTCs (See page [ES-40](#)) and freeze frame data (See page [ES-41](#)), if necessary.

NEXT

5 CLEAR DTC AND FREEZE FRAME DATA*

HINT:

Refer to DTC Check / Clear (See page [ES-40](#)).

NEXT

6 CONDUCT VISUAL INSPECTION

NEXT

7 SET CHECK MODE DIAGNOSIS*

HINT:

Refer to Check Mode Procedure (See page [ES-43](#)).

NEXT

8 CONFIRM PROBLEM SYMPTOMS

HINT:

If the engine does not start, perform steps 10 and 12 first.

Result	Proceed To
Malfunction does not occur	A
Malfunction occurs	B

B**GO TO STEP 10****A****9 SIMULATE SYMPTOMS****NEXT****10 CHECK DTC***

HINT:

Refer to DTC Check / Clear (See page [ES-40](#)).

Result	Proceed To
Malfunction code	A
No code	B

B**GO TO STEP 12****A****11 REFER TO DTC CHART**

HINT:

Refer to Diagnostic Trouble Code Chart (See page [ES-54](#)).**NEXT****GO TO STEP 14****12 CONDUCT BASIC INSPECTION**

HINT:

Refer to Basic Inspection (See page [ES-14](#)).

Result	Proceed To
Malfunctioning parts not confirmed	A
Malfunctioning parts confirmed	B

B**GO TO STEP 17****ES**

A

13 REFER TO PROBLEM SYMPTOMS TABLE

HINT:

Refer to Problem Symptoms Table (See page [ES-29](#)).

Result	Proceed To
Malfunctioning circuit confirmed	A
Malfunctioning parts confirmed	B

B

GO TO STEP 17

A

14 CHECK ECM POWER SOURCE CIRCUIT

HINT:

Refer to ECM Power Source Circuit (See page [ES-425](#)).

NEXT

15 CONDUCT CIRCUIT INSPECTION

Result	Proceed To
Malfunction not confirmed	A
Malfunction confirmed	B

B

GO TO STEP 18

A

16 CHECK FOR INTERMITTENT PROBLEMS

HINT:

Refer to Check for Intermittent Problems (See page [ES-14](#)).

NEXT

GO TO STEP 18**17 CONDUCT PARTS INSPECTION**

NEXT

18	IDENTIFY PROBLEM
-----------	-------------------------

NEXT

19	ADJUST AND/OR REPAIR
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NEXT

20	CONDUCT CONFIRMATION TEST
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NEXT

END

ES