DI3WU–02

DTC	51	Switch Condition Signal Circuit

CIRCUIT DESCRIPTION

Air Conditioning Switch Signal

The ECU uses the output from the air conditioning switch to determine whether or not the air conditioning is operating so that it can increase the idling speed of the engine if necessary.

DTC No.	Detection Item	Trouble Area
51	A/C switch ON, engine starts.	• A/C switch circuit • Emission ECU

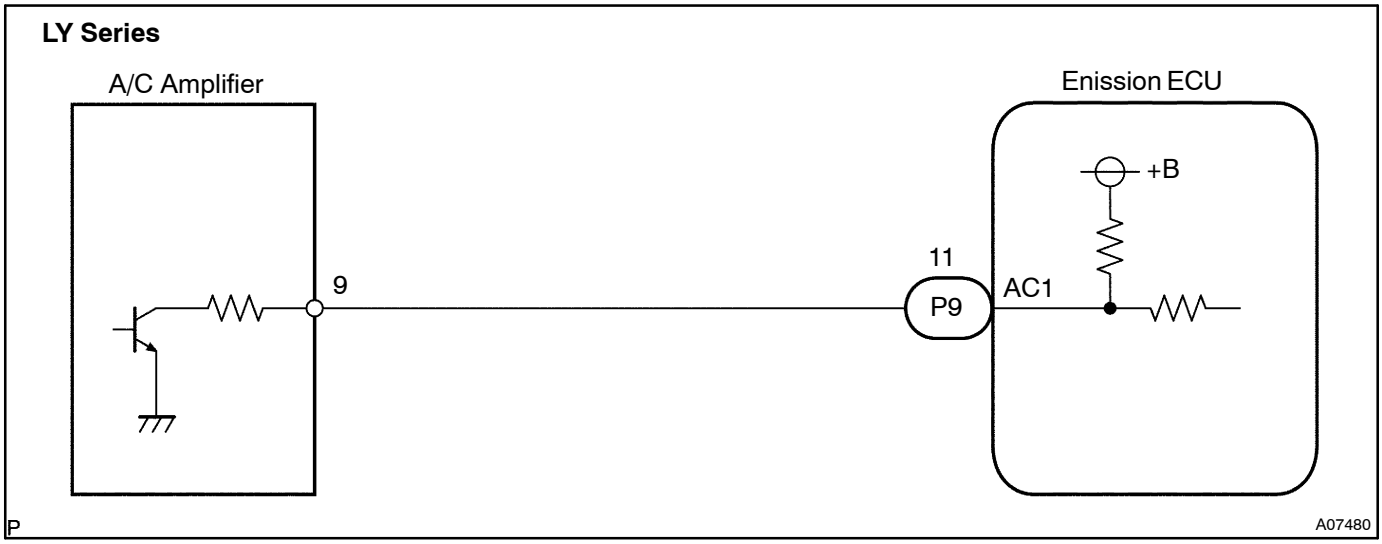
WIRING DIAGRAM

LXH Series



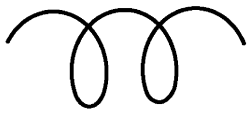
LN Series





INSPECTION PROCEDURE

1	**Check output condition of diagnostic trouble code 51.**



PREPARATION:

(a) Turn the ignition switch ON.

(b) Using SST, connect terminals TE1 and E1 of the check connector.
SST 09843–18020

CHECK:

Check if code ”51” is output by the check glow indicator light.

OK:

	Condition	Code
A/C Switch (A/C)	A/C SW ON	51
	A/C SW OFF	Normal

HINT:

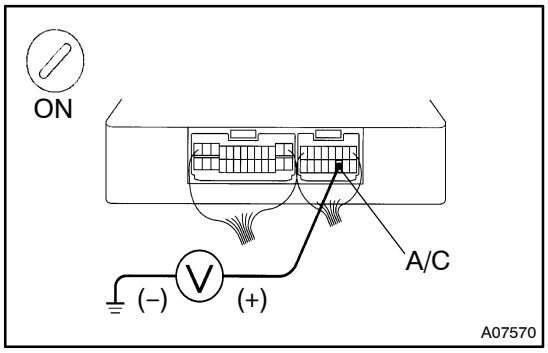
Diagnostic trouble code 42 output with vehicle speed 5 km/h (3 mph) or below

NG → **Go to step 2.**

OK

Proceed to next circuit inspection shown on problem symptoms table (See page DI–16).

2	**Check voltage between terminal A/C of emission ECUand body ground.**



PREPARATION:

(a) Disconnect the emission ECU from the body panel (See page EC–6).

(b) Turn the ignition switch ON.

CHECK:

Measure the voltage between terminal A/C of the emission ECU and body ground.

OK:

Voltage: 9 – 14 V

OK	**Check and replace emission ECU.**

NG

3	**Check for open and short in harness and connector between emission ECU and A/C amplifier (See page IN–19)**

NG	**Repair or replace harness or connector.**

OK

Check and replace emission ECU.