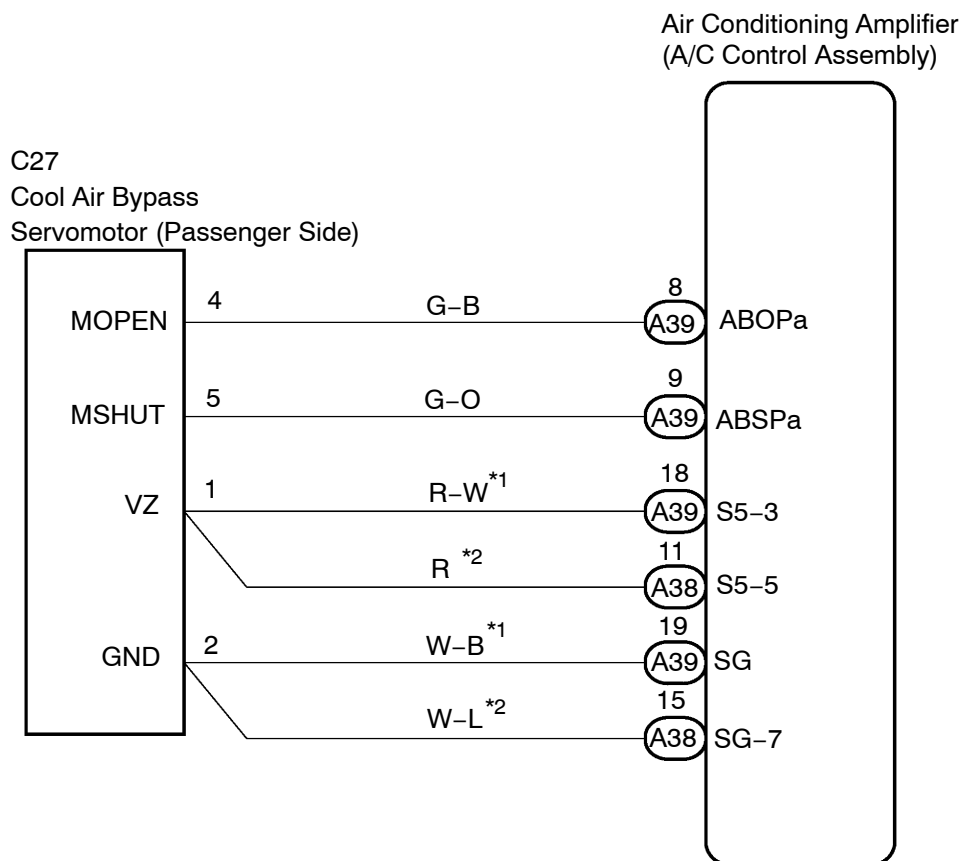


COOL AIR BYPASS DAMPER CONTROL SERVOMOTOR CIRCUIT (PASSENGER SIDE)

CIRCUIT DESCRIPTION

The cool air bypass servomotor is controlled by the A/C amplifier and moves the cool air bypass damper to the desired position.

WIRING DIAGRAM



*1: LHD Models

*2: RHD Models

C

I36301

INSPECTION PROCEDURE

1 PERFORM ACTUATOR CHECK

- (a) Warm up the engine.
- (b) Set the actuator check mode ([see page 05-774](#)).
- (c) Press the driver temperature up switch, and change to step operation.
- (d) Press the driver temperature up switch, and check the air flow by hand.

Display code	Air flow position
0	OPEN
1	OPEN
2	OPEN
3	SHUT
4	SHUT
5	SHUT
6	SHUT
7	SHUT
8	SHUT
9	SHUT

OK:

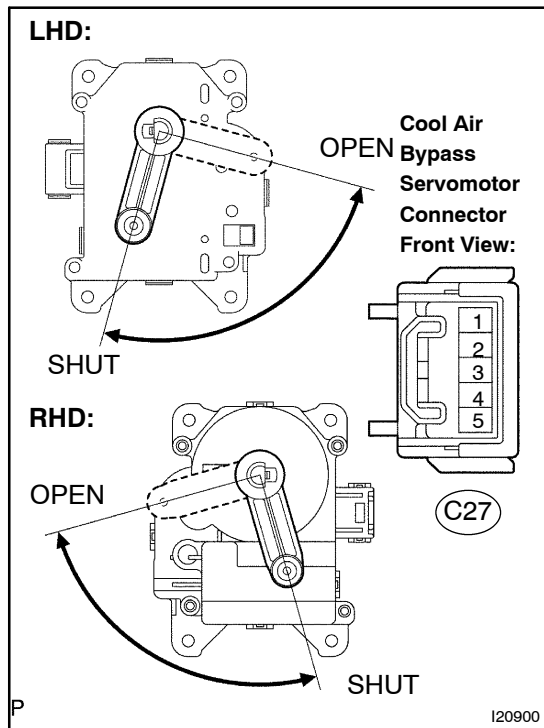
Cool air bypass damper changes in accordance with each display code.

NG

REPLACE AIR CONDITIONING AMPLIFIER
([SEE PAGE 55-16](#))

OK

2 INSPECT COOL AIR BYPASS SERVOMOTOR



- Remove the cool air bypass servomotor.
- Connect the positive (+) lead from the battery to terminal 4 and negative (-) lead to terminal 5, then check that the lever turns to the "OPEN" position smoothly.
- Connect the positive (+) lead from the battery to terminal 5 and negative (-) lead to terminal 4, then check that the lever turns to the "SHUT" position smoothly.

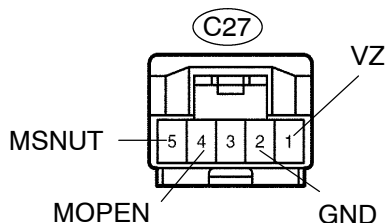
NG

REPLACE COOL AIR BYPASS SERVOMOTOR

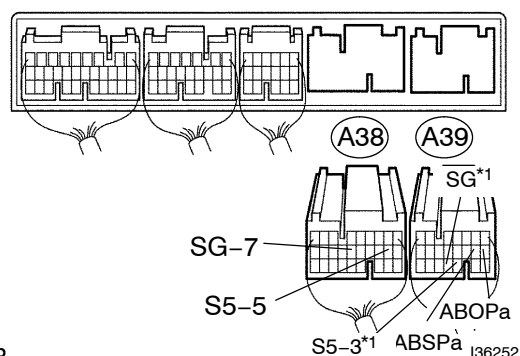
OK

3 CHECK HARNESS AND CONNECTOR(COOL AIR BYPASS SERVOMOTR - AIR CONDITIONING AMPLIFIER) (SEE PAGE 01-44)

Cool Air Bypass Servomotor Connector Wire Harness View:



Air Conditioning Amplifier Connector Wire Harness View:



- (a) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
A39-8 (ABOPa) - C27-4 (MOPEN)	Always	Below 1 Ω
A39-9 (ABSPa) - C27-5 (MSNUT)	Always	Below 1 Ω
A39-18 (S5-3) - C27-1 (VZ) *1	Always	Below 1 Ω
A38-11 (S5-5) - C27-1 (VZ) *2	Always	Below 1 Ω
A39-19 (SG) - C27-2 (GND) *1	Always	Below 1 Ω
A38-15 (SG-7) - C27-2 (GND) *2	Always	Below 1 Ω
C27-4 (MOPEN) - Body ground	Always	10 k Ω or higher
C27-5 (MSNUT) - Body ground	Always	10 k Ω or higher
C27-1 (VZ) - Body ground	Always	10 k Ω or higher
C27-2 (GND) - Body ground	Always	Below 1 Ω

HINT:

*1: LHD

*2: RHD

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REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE AIR CONDITIONING AMPLIFIER (SEE PAGE 55-16)