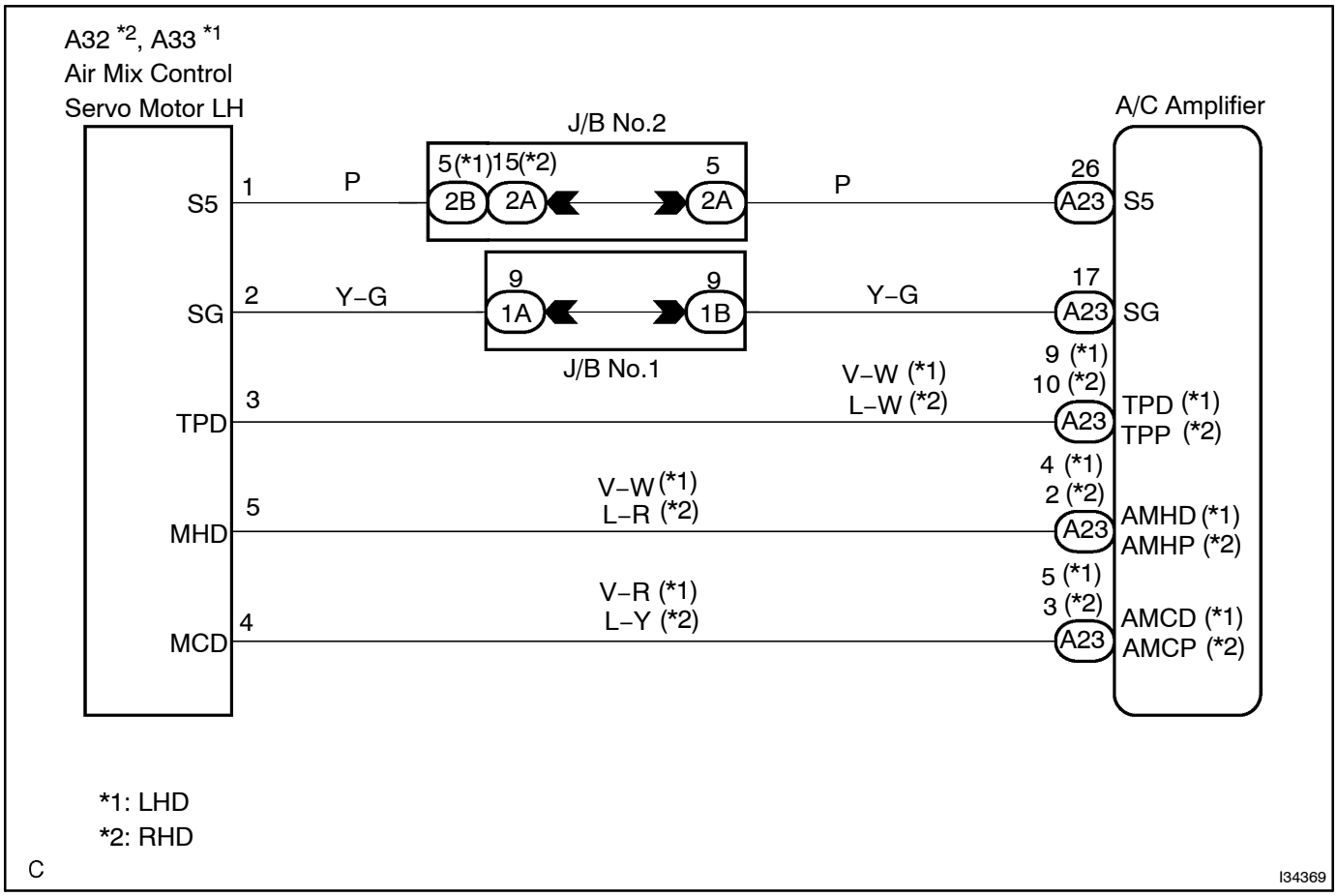
DTC	46	AIR MIX DAMPER CONTROL SERVOMOTOR CIRCUIT (DRIVER SIDE)

CIRCUIT DESCRIPTION

The air inlet control servomotor is controlled by the A/C amplifier and moves the air mix damper to the desired position.

DTC No.	Detection Item	Trouble Area
46	Air mix damper position sensor value does not change even if A/C amplifier operated air mix damper control servomotor.	• Air mix damper servo sub–assy • Harness or connector between air mix damper servo sub–assy and A/C amplifier • A/C amplifier

WIRING DIAGRAM



1	CHECK ACTUATOR

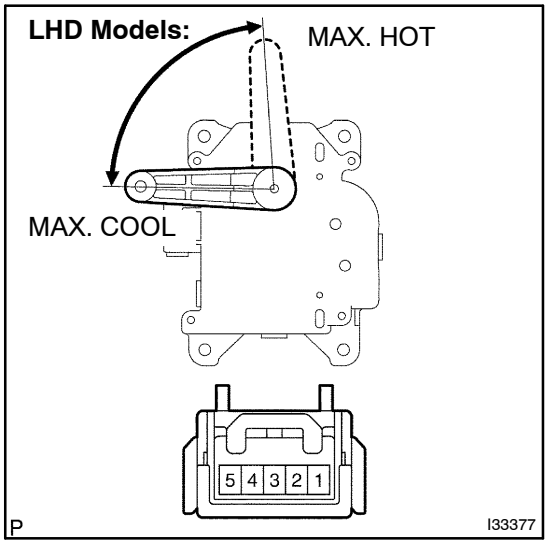
(a) Set to actuator check mode (See page 05–1023).
(b) Press the UPDr switch and change to step operation.
(c) Check the air flow temperature by hand.

Display Code	Air Mix Damper Operation
0	COLD side (0 % open)
1	↑
2	↑
3	↑
4	COLD/HOT (50% open)
5	↑
6	↑
7	HOT side (100% open)
8	↑
9	↑

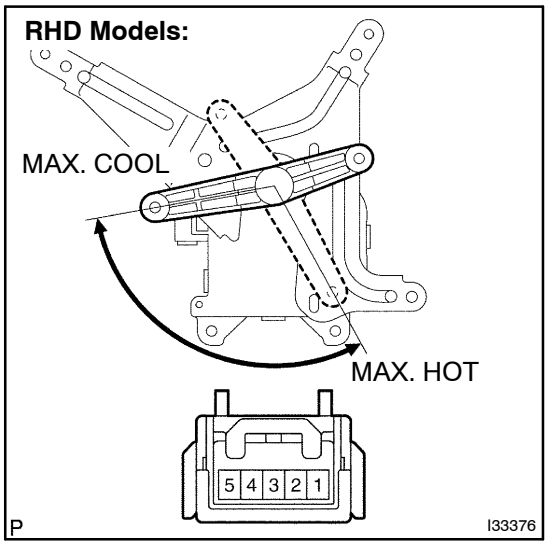
NG → **PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE**

OK

2	INSPECT AIRMIX DAMPER SERVO SUB–ASSY



(a) Remove the air mix damper servo sub–assy.
(b) Connect the positive (+) lead from the battery to terminal 4 and negative (–) lead to terminal 5, then check that the lever turns to ”HOT” side smoothly.
(c) Connect the positive (+) lead from the battery to terminal 5 and negative (–) lead to terminal 4, then check that the lever turns to ”COLD” side smoothly.



NG → **REPLACE AIRMIX DAMPER SERVO SUB–ASSY**

OK

3	CHECK HARNESS AND CONNECTOR(AIR MIX DAMPER CONTROL SERVOMOTOR – A/C AMPLIFIER)

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

CHECK AND REPLACE AIR CONDITIONING AMPLIFIER