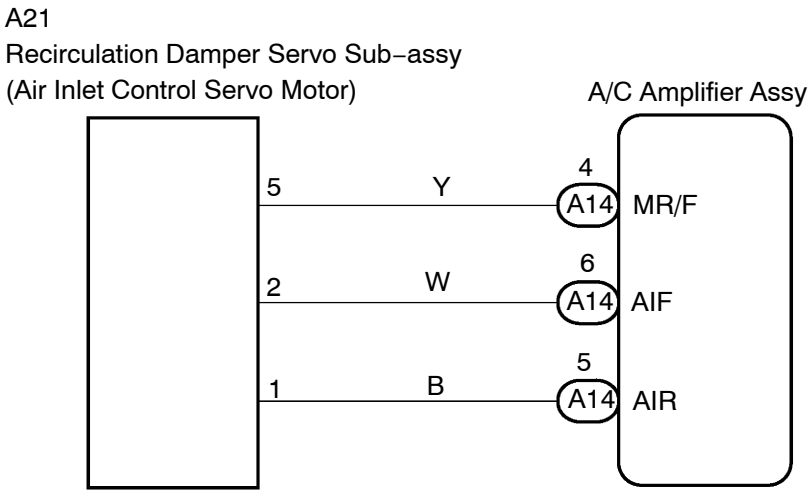
RECIRCULATION DAMPER SERVOMOTOR CIRCUIT

CIRCUIT DESCRIPTION

The A/C amplifier assy controls the recirculation damper servo sub–assy and moves it to the desired position.

WIRING DIAGRAM



I30344

INSPECTION PROCEDURE

1	PERFORM ACTUATOR CHECK

(a) Remove the glove box to see and check the recirculation damper servo sub–assy operation.
(b) Set to the actuator check mode (see page 05–423).
(c) Press the DEF switch and change it to step operation.
(d) Press the DEF switch in order and check the operation of recirculation damper servo sub–assy.

Display code	Recirculation damper position
0	FRESH
1	FRESH
2	FRESH
3	FRESH
4	RECIRCULATION
5	RECIRCULATION
6	RECIRCULATION
7	RECIRCULATION
8	RECIRCULATION
9	RECIRCULATION

OK:

Recirculation damper position changes in accordance with each display code.

Result:

NG	A
OK (Checking from the PROBLEM SYMPTOMS TABLE)	B
OK (Checking from the DTC)	C

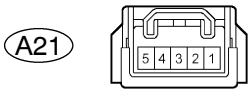
B → **PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (SEE PAGE 05–435)**

C → **REPLACE AIRCONDITIONER AMPLIFIER ASSY**

A

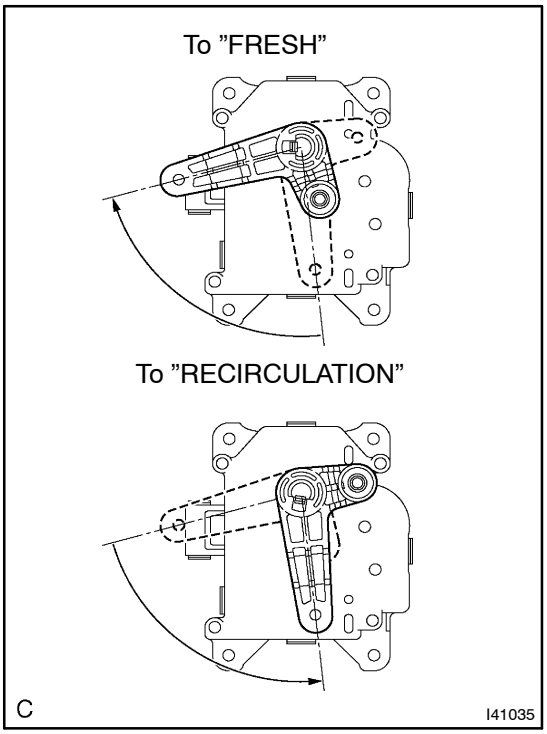
2	INSPECT RECIRCULATION DAMPER SERVO SUB–ASSY(AIR INLET CONTROL SERVO MOTOR)

Recirculation Damper Servo Sub–assy Connector Wire Harness View:



I30157

(a) Remove the recirculation damper servo sub–assy.
(b) Connect the positive (+) lead from the battery to terminal 5 and negative (–) lead to terminal 2, then check that the lever turns to ”FRESH” side smoothly.
(c) Connect the positive (+) lead from the battery to terminal 1 and negative (–) lead to terminal 5, then check that the lever turns to ”RECIRCULATION” side smoothly.



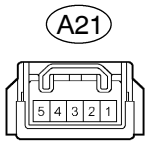
I41035

NG → **REPLACE RECIRCULATION DAMPER SERVO SUB–ASSY(AIR INLET CONTROL SERVO MOTOR)**

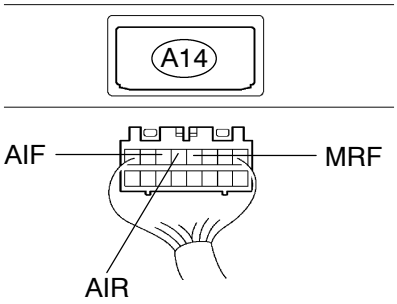
OK

3	CHECK HARNESS AND CONNECTOR(RECIRCULATON DAMPER SERVO SUB–ASSY (AIR INLET CONTROL SERVO MOTOR) – A/C AMPLIFIER ASSY)

Recirculation Damper Servo Sub–assy Wire Harness View:



A/C Amplifier Connector Wire Harness View:



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

Standard:

Tester connection	Condition	Specified condition
A14–4 (MRF) – A21–5	Always	Below 1 Ω
A14–6 (AIF) – A21–2	Always	Below 1 Ω
A14–5 (AIR) – A21–1	Always	Below 1 Ω
A14–4 (MRF) – Body ground	Always	10 kΩ or higher
A14–6 (AIF) – Body ground	Always	10 kΩ or higher
A14–5 (AIR) – Body ground	Always	10 kΩ or higher

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

OK

REPLACE AIRCONDITIONER AMPLIFIER ASSY