

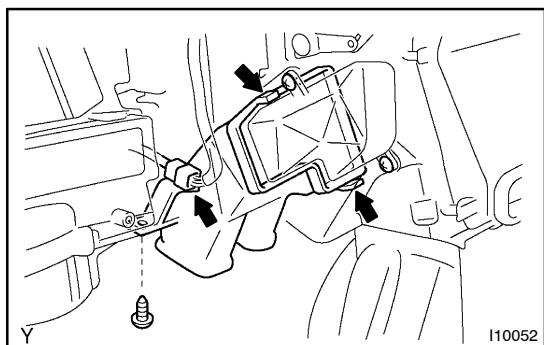
# AIR MIX SERVOMOTOR INSPECTION

AC25V-01

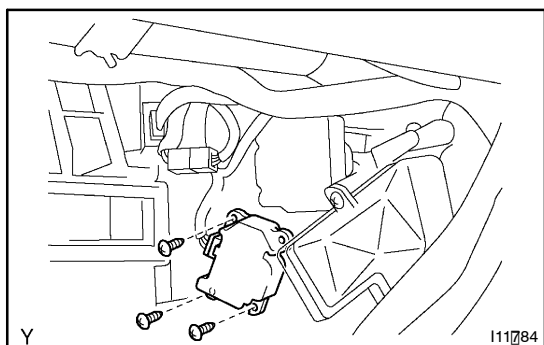
RHD models:

## INSPECT AIR MIX SERVOMOTOR

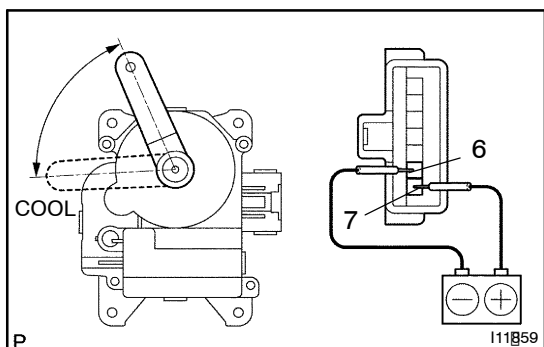
- (a) Remove the glove compartment door  
(See page BO-96).



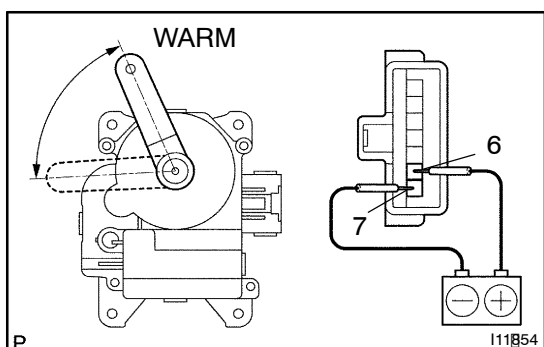
- (b) Remove the air duct (duct side).  
(1) Disconnect the connector clamp.  
(2) Remove the screw.  
(3) Release the 2 claws and pull out the air duct.



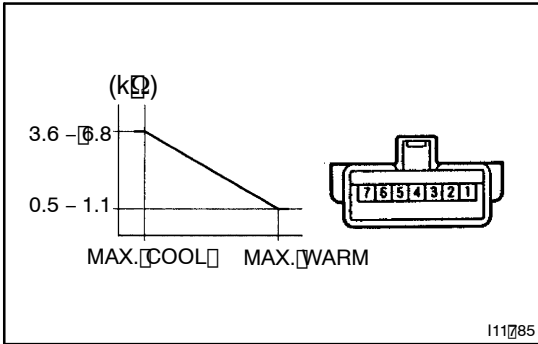
- (c) Remove the air mix servomotor.  
(1) Disconnect the connector.  
(2) Remove the 3 screws and servomotor.



- (d) Inspect the air mix servomotor operation.  
(1) Connect the positive (+) lead from the battery to terminal 7 and negative (-) lead to terminal 6, then check that the arm turns to "COOL" side smoothly.



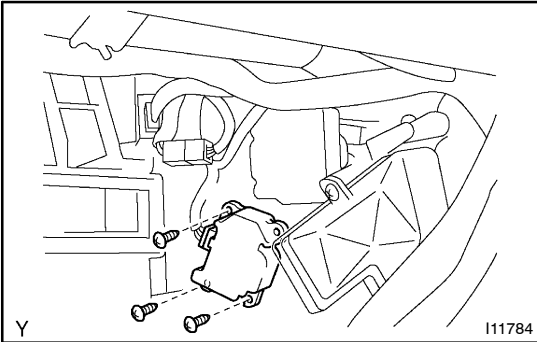
- (2) Connect the positive (+) lead from the battery to terminal 6 and negative (-) lead to terminal 7, then check that the arm turns to "WARM" side smoothly.  
If operations are not as specified, replace the servomotor.



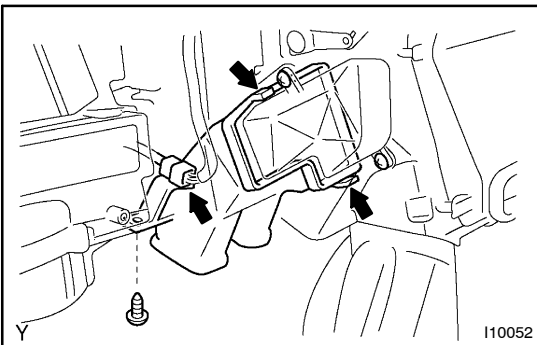
- (e) Inspect the position sensor resistance.  
Measure resistance between terminals at servomotor arm each position as shown in the chart.

Tester	Condition	Specified condition
1 - 3	Constant	4.2 - 7.8 kΩ
1 - 5	Max. cool	3.6 - 6.8 kΩ
1 - 5	Max. warm	0.5 - 1.1 kΩ

If resistance is not as specified, replace the servomotor.



- (f) Install the air mix servomotor.
- (1) Install the servomotor with the 3 screws.
  - (2) Connect the connector.



- (g) Install the air duct (duct side).
- (1) Install the air duct and fit the 2 claws.
  - (2) Install the screw.
  - (3) Connect the connector clamp.

- (h) Install the glove compartment door (See page BO-104).