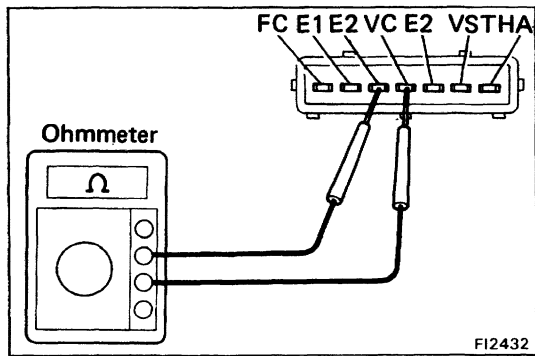
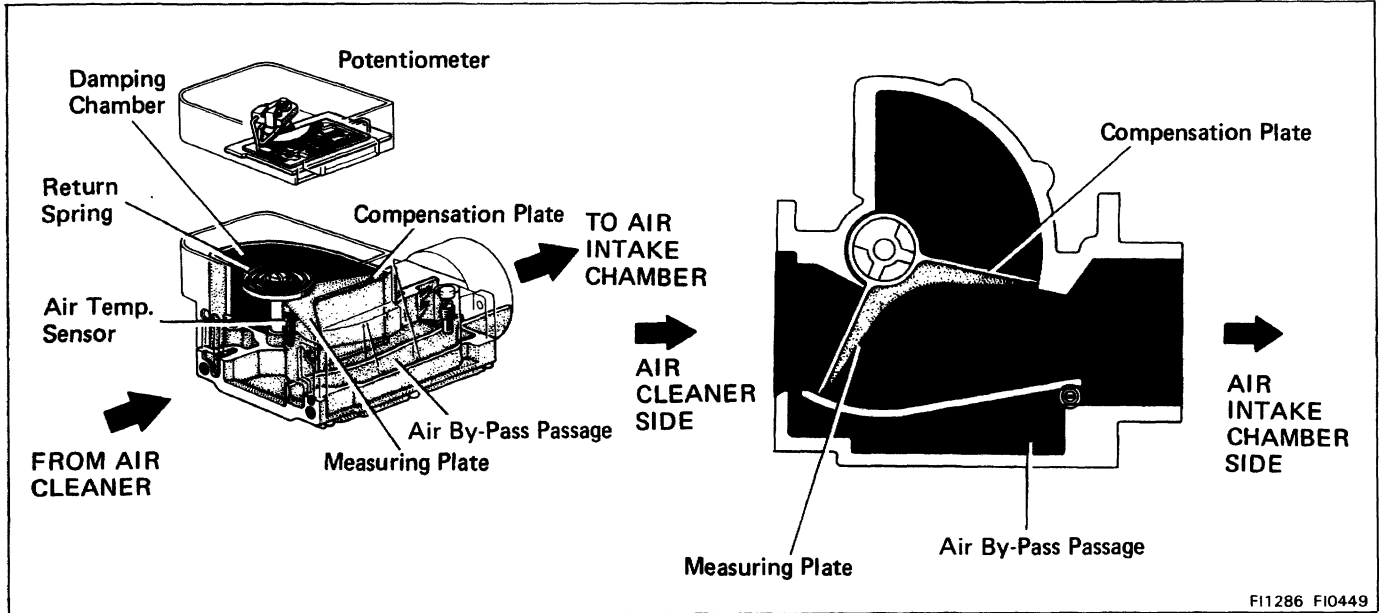


AIR INDUCTION SYSTEM

Air Flow Meter



ON-VEHICLE INSPECTION

INSPECT RESISTANCE OF AIR FLOW METER

- (a) Disconnect the air flow meter connector.
- (b) Using an ohmmeter, measure the resistance between each terminal.

Between terminals	Resistance (Ω)	Temp. $^{\circ}\text{C}$ ($^{\circ}\text{F}$)
E2 - VS	200 - 600	-
E2 - VC	200 - 400	-
E2 - THA	10,000 - 20,000	-20 (-4)
	4,000 - 7,000	0 (32)
	2,000 - 3,000	20 (68)
	900 - 1,300	40 (104)
	400 - 700	60 (140)
E1 - FC	Infinity	-

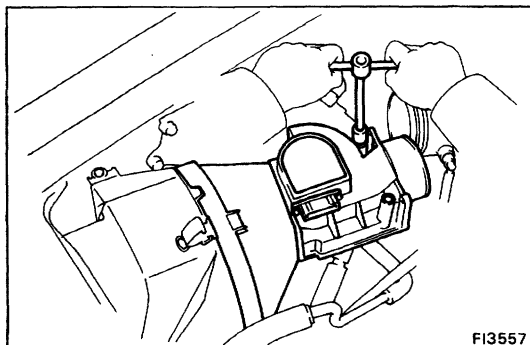
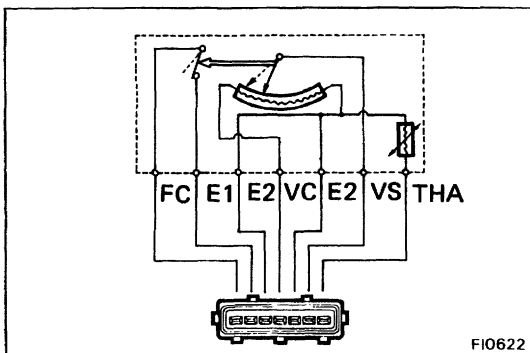
If the resistance is not as specified, replace the air flow meter.

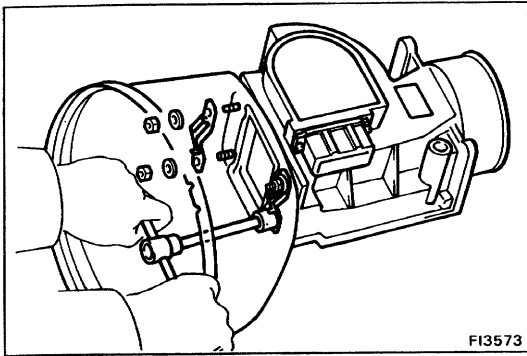
- (c) Reconnect the air flow meter connector.

REMOVAL OF AIR FLOW METER

1. REMOVE AIR CLEANER CAP WITH AIR FLOW METER

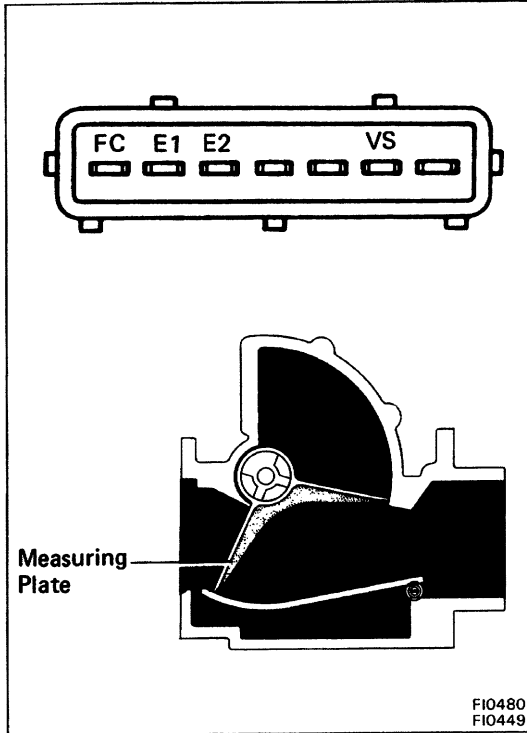
- (a) Disconnect the air flow meter connector.
- (b) Loosen the air cleaner hose clamp bolt and disconnect the air cleaner hose.
- (c) Remove the bolt and disconnect the three clips.
- (d) Remove the air cleaner cap with air flow meter.





2. REMOVE AIR FLOW METER FROM AIR CLEANER CAP

- (a) Pry off the lock plates, and remove the four nuts, four plate washers, air flow meter and gasket.
- (b) Remove the screw and bracket.



INSPECTION OF AIR FLOW METER

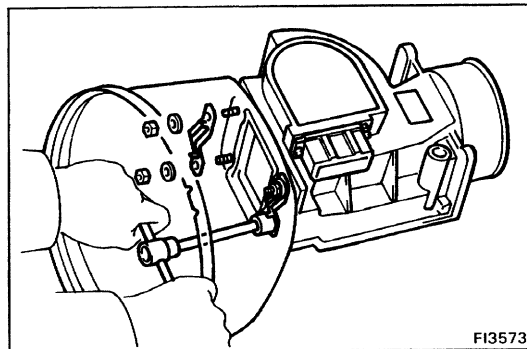
INSPECT RESISTANCE OF AIR FLOW METER

Using an ohmmeter, measure the resistance between each terminal by moving the measuring plate.

Between terminals	Resistance (Ω)	Measuring plate opening
FC - E 1	Infinity	Fully closed
	Zero	Other than closed
VS - e2	200-600	Fully closed
	20- 1,200	Fully open

HINT: Resistance between terminals E2 and VS will change in a wave pattern as the measuring plate slowly opens.

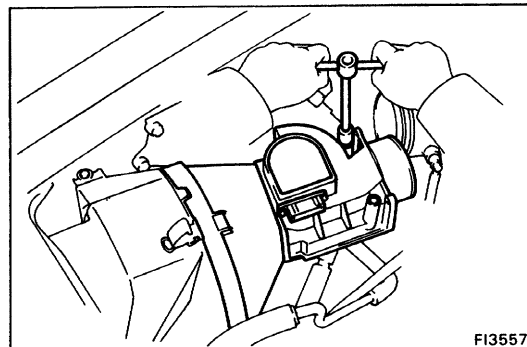
If the resistance is not as specified, replace the meter.



INSTALLATION OF AIR FLOW METER

1. INSTALL AIR FLOW METER TO AIR CLEANER CAP

- (a) Install the bracket with screw.
- (b) Install the air flow meter with the gasket, lock plates, four plate washers and four nuts. Pry the lock plates on the nuts.



2. INSTALL AIR CLEANER CAP WITH AIR FLOW METER

- (a) Install the air cleaner cap with air flow meter with the bolt and three clips.
- (b) Connect the air cleaner hose with the clamp bolt.
- (c) Connect the air flow meter connector.