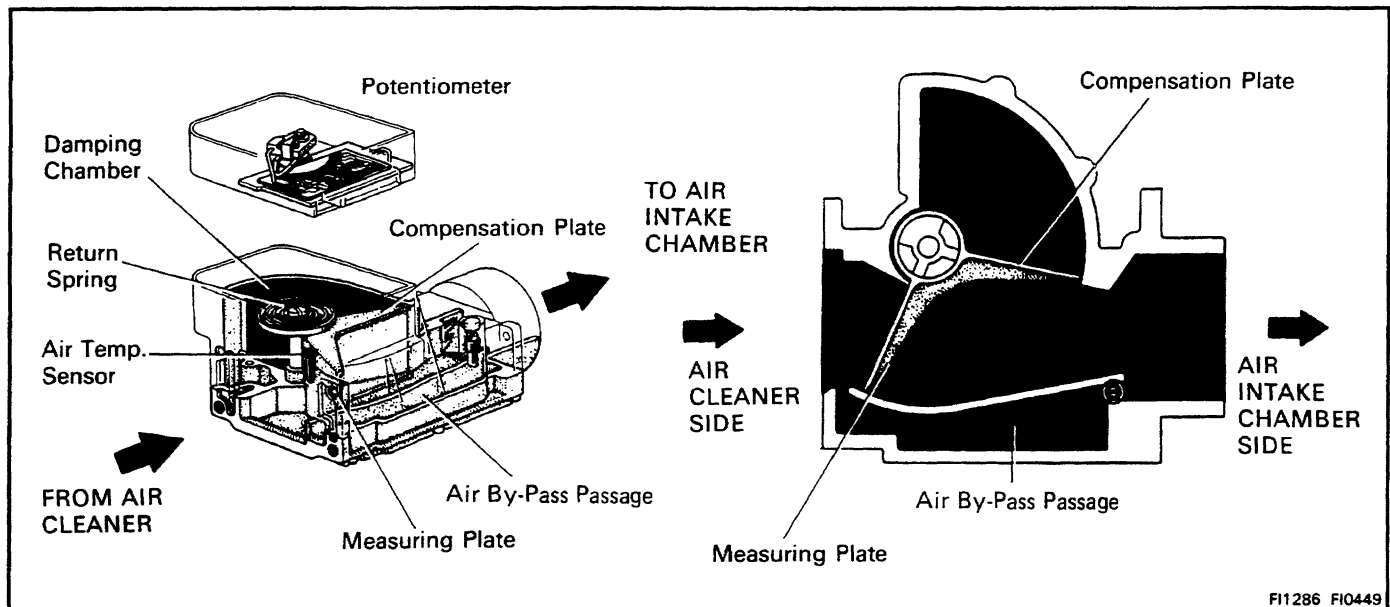
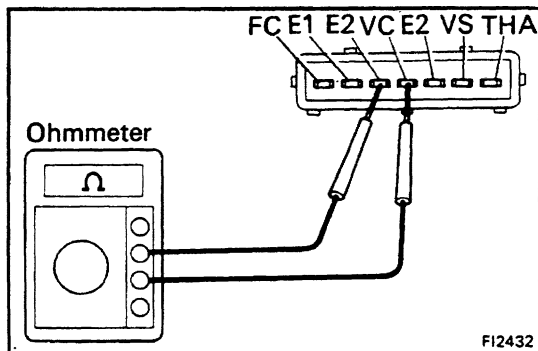


AIR INDUCTION SYSTEM

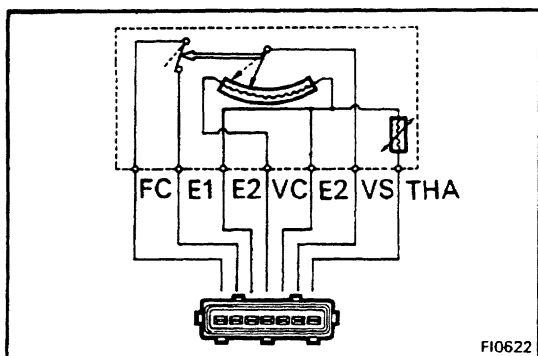
Air Flow Meter



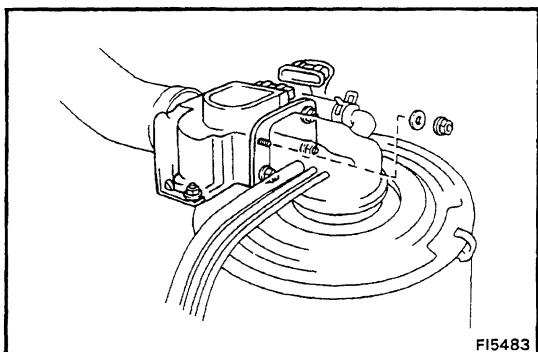
FI1286 FI0449



FI2432



FI0622



FI5483

ON-VEHICLE INSPECTION

INSPECT RESISTANCE OF AIR FLOW METER

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

Between terminals	Resistance	Temperature
E2 - VS	200 - 600 Ω	-
E2 - VC	200 - 400 Ω	-
E2 - THA	10 - 20 k Ω	-20°C (-4°F)
	4 - 7 k Ω	0°C (32°F)
	2 - 3 k Ω	20°C (68°F)
	0.9 - 1.3 k Ω	40°C (104°F)
	0.4 - 0.7 k Ω	60°C (140°F)
E1 - FC	Infinity	-

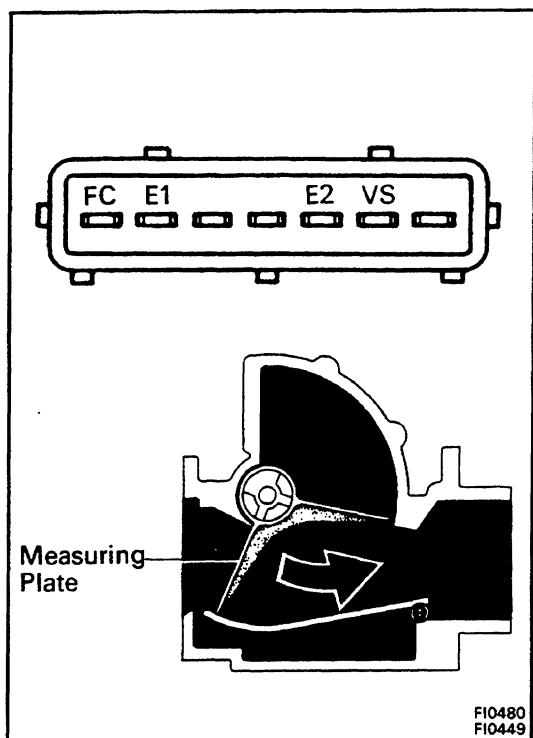
If the resistance is not as specified, replace the air flow meter.

- Reconnect the air flow meter connector.

REMOVAL OF AIR FLOW METER

- DISCONNECT AIR FLOW METER CONNECTOR
- DISCONNECT AIR CLEANER HOSE
- REMOVE AIR FLOW METER

Remove the bolt, four nuts and air flow meter.



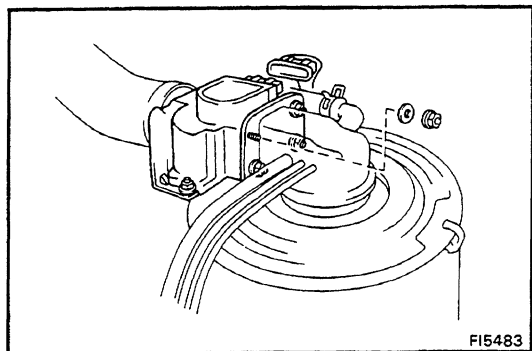
INSPECTION OF AIR FLOW METER

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
E1 – FC	Infinity	Fully closed
	Zero	Other than closed
E2 – VS	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
2. CONNECT AIR CLEANER HOSE
3. CONNECT AIR FLOW METER CONNECTOR