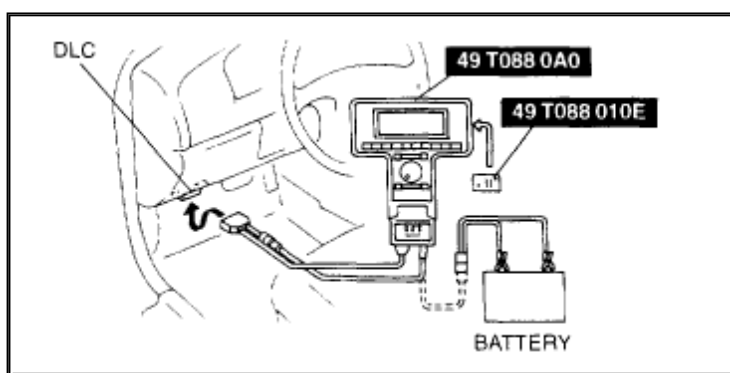


1998 Mazda 626 LX L4-2.0L DOHC

Vehicle Level → Powertrain Management → Fuel Delivery and Air Induction → Air Flow Meter/Sensor
→ Testing and Inspection → Using the NGS Tester ←

Using the NGS Tester

1. Check the mass air flow sensor for damage and cracks.



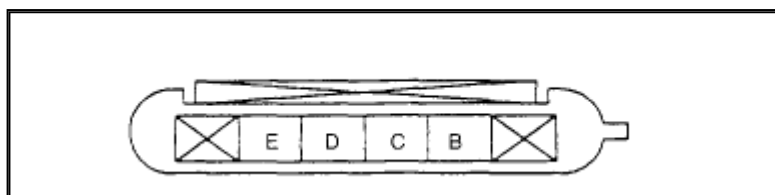
Zoom Sized for Print

2. Connect the New Generation Star tester to the data link connector.
3. Turn the [ignition switch](#) to ON.
4. Select the "PID/DATA MONITOR AND RECORD" function on the NGS tester display and press TRIGGER.
5. Select "MAF V" on the NGS tester display and press START. The NGS tester measures and show the voltage.

Measuring condition	Voltage (V)
Ignition switch ON	Approx. 0.02
Idle	0.6—1.1

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6. If not as specified, inspect the following.



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(1) Harness continuity

- Between PCM terminal 88 and mass air flow sensor terminal E
- Between PCM terminal 36 and mass air flow sensor terminal D
- Between PCM terminal 103 and mass air flow sensor terminal C
- Between main relay terminal E and mass air flow sensor terminal B

(2) Terminal voltage

- Mass air flow sensor terminal B voltage: Battery positive voltage
- Mass air flow sensor terminal C voltage: Below 1.0 V

7. If the terminal voltage is correct and there is harness continuity, replace the mass air flow sensor.

Engine speed (rpm)	Intake mass air flow (g/s)		Engine load calculated value (%)	
	MTX	ATX	MTX	ATX
650—750 (Idle)	1.9—3.0	2.2—3.1	15.0—19.0	18.0—23.0
2460—2540*	6.7—9.1	8.7—9.8	14.0—18.0	17.0—20.0

* : No load, in neutral

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NOTE: The NGS shows the mass air flow rate and load value.