

AD07.61-P-6000-04A	Testing of electrical system for ME-SFI fuel injection system hot film air mass sensor		
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→ ☑	Scope of test	Tester/test connection		Operation/ Prerequisite:	Specified value	● Possible cause/ Remedy
1.0 P0100	Hot film mass air flow sensor (B2/5) Hot film signal Back probe both	104 — C 48E 12-3	N3/10 103 (47E) 11-3	Ignition: ON Engine: idling Coolant temperature > 70°C	0.9-1.1 V 1.3-1.7 V Increasing rpm, increasing voltage	⇒ 1.1 ⇒ 1.2 ⇒ 1.3 ● Cable ● Unmetered air ● B2/5
1.1	Hot film mass air flow sensor (B2/5) Voltage supply 5 V Back probe ECM	N3/10 104 — C (48E) 12-3	 B2/5 — 4 *	Unplug coupling to hot film mass air flow sensor (B2/5) and check direct at socket 4 (brown/yellow) Ignition: ON	4.7-5.2 V	● Cable ● N3/10
1.2	Ground lead for hot film air mass sensor (B2/5) Back probe ECM	B2/5 3 — C *	 102 (46E) 25-3	Unplug coupling to hot film mass air flow sensor (B2/5) and check direct at socket 3 (brown) Ignition: ON	4.7-5.2 V	● Cable
1.3	Hot film mass air flow sensor (B2/5) Voltage supply 12 V Back probe ECM	N3/10 104 — C (48E) 12-3	 B2/5 — 2 (2) *	Unplug coupling to hot film mass air flow sensor (B2/5) and connect voltmeter plus to socket 2 (red/blue) Ignition: ON	11-14 V	● Cable ● Fuse and relay module, base module (K40/4, F1f11 or N16/4)

Two separate tests

ECM Wire Colors

48E & 12-3 is Brown

47E & 11-3 is Yell/Wht

46E & 25-3 is Brn/Yell

Numbers below the red line refer to wire # and connector # as of prod. date 6/1/2000

* B2/5 is the MAF, wire colors are #1 Yel/Grn #2 Red/Blu #3 Brn #4 Brn/Yel #5 Yel/Wht

N3/10 is ECM in fuse box