

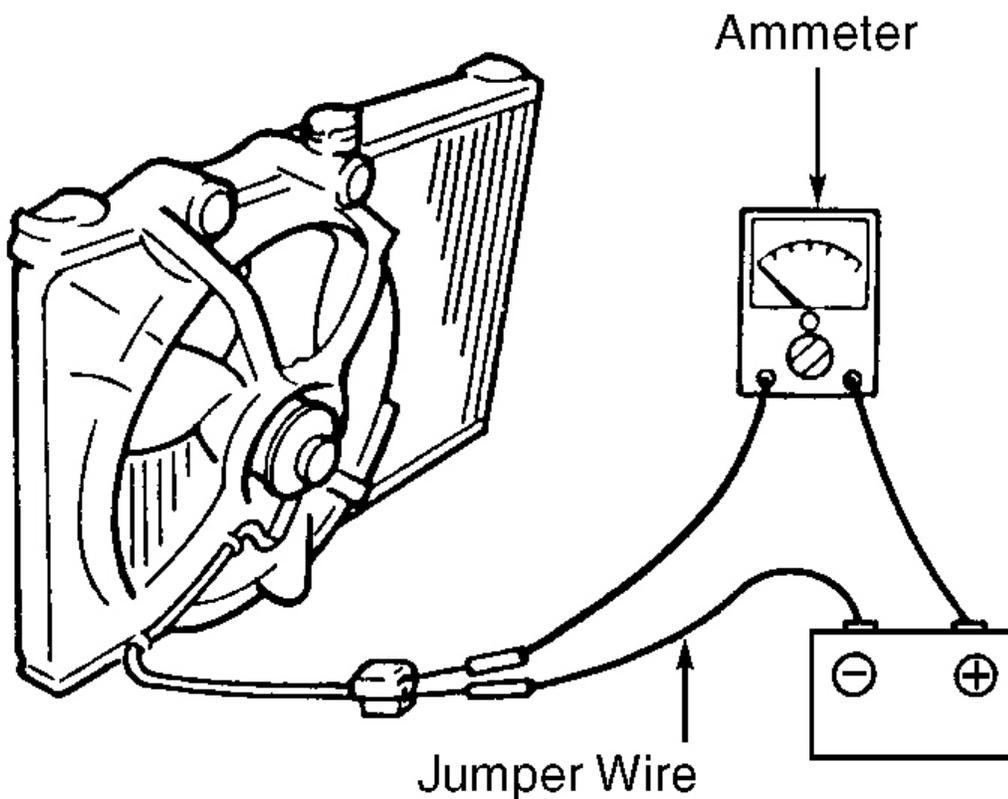
ENGINE COOLING FAN

1994 ENGINE COOLING Mazda - Engine Cooling Fans

COMPONENT TESTING

Cooling Fan Motor

1. Ensure battery is fully charged. Disconnect cooling fan motor connector. Connect ammeter between battery and cooling fan motor connector. See **Fig. 1**
2. Ensure cooling fan motor operates smoothly at specified current. See COOLING FAN MOTOR CURRENT SPECIFICATIONS table. If cooling fan motor draws more or less than specified amperage, check wiring. If wiring is okay, replace cooling fan motor.



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Fig. 1: Testing Cooling Fan Motor
Courtesy of MAZDA MOTORS CORP.

1994 Mazda MX-5 Miata

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COOLING FAN MOTOR CURRENT SPECIFICATIONS

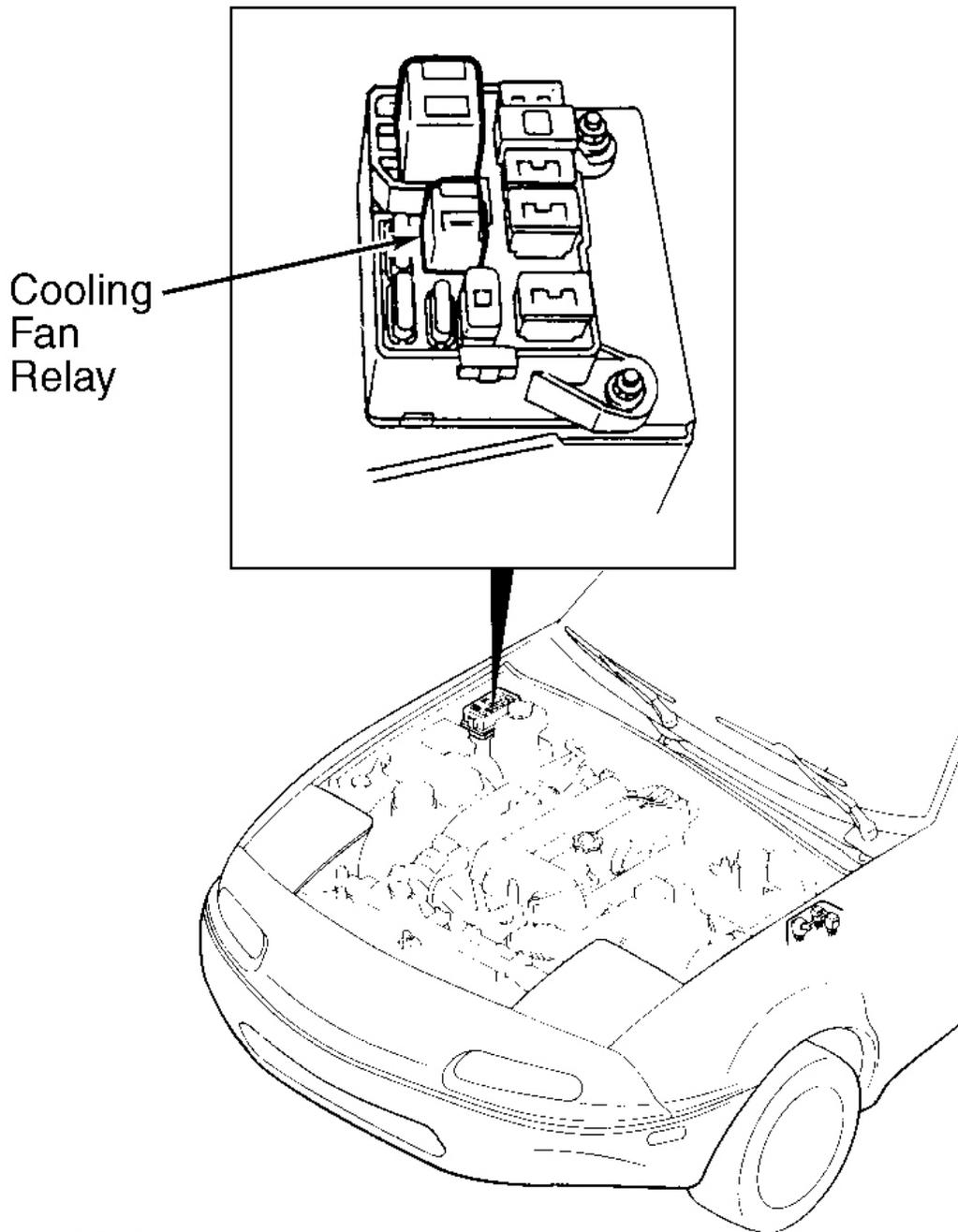
Model	Amps
Miata	7.7

Cooling Fan Relay

1. Locate cooling fan relay. See **Fig. 2** . Disconnect cooling fan relay wiring harness connector. Check continuity between cooling fan relay terminals "A" and "C". See **Fig. 3** . Continuity should not exist. Check continuity between terminals "B" and "D". Continuity should exist.
2. With battery voltage applied between terminals "B" and "D" of cooling fan relay, check continuity between terminals "A" and "C". Continuity should exist. If continuity is not as specified, replace cooling fan relay.

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Fig. 2: Locating Cooling Fan Relay
Courtesy of MAZDA MOTORS CORP.

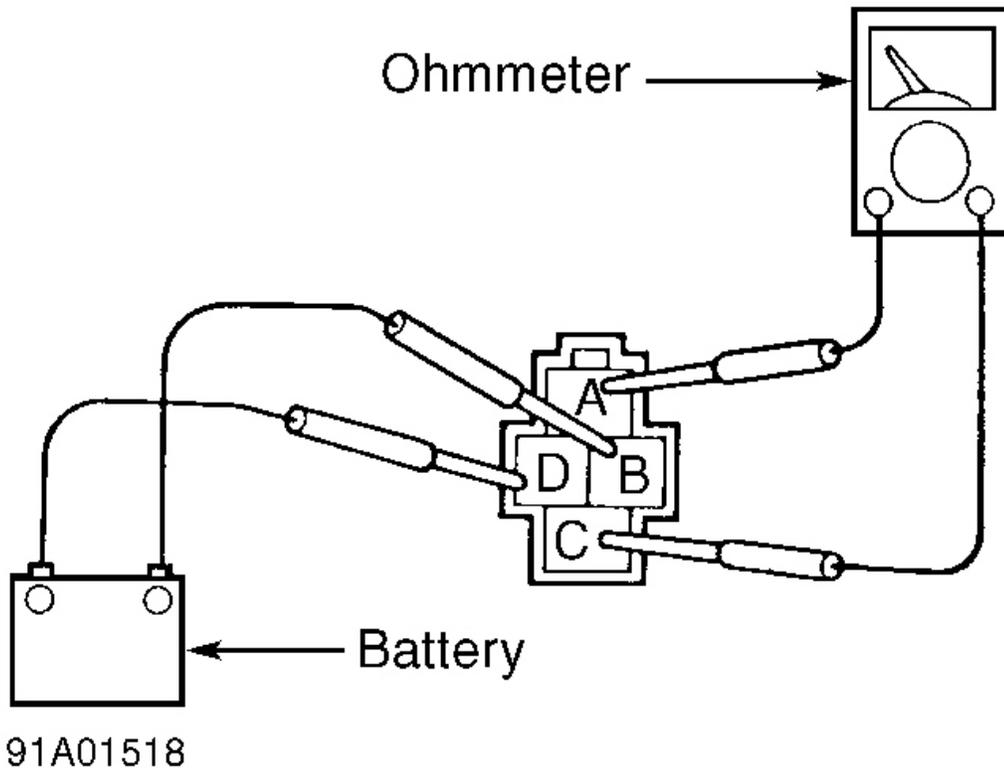
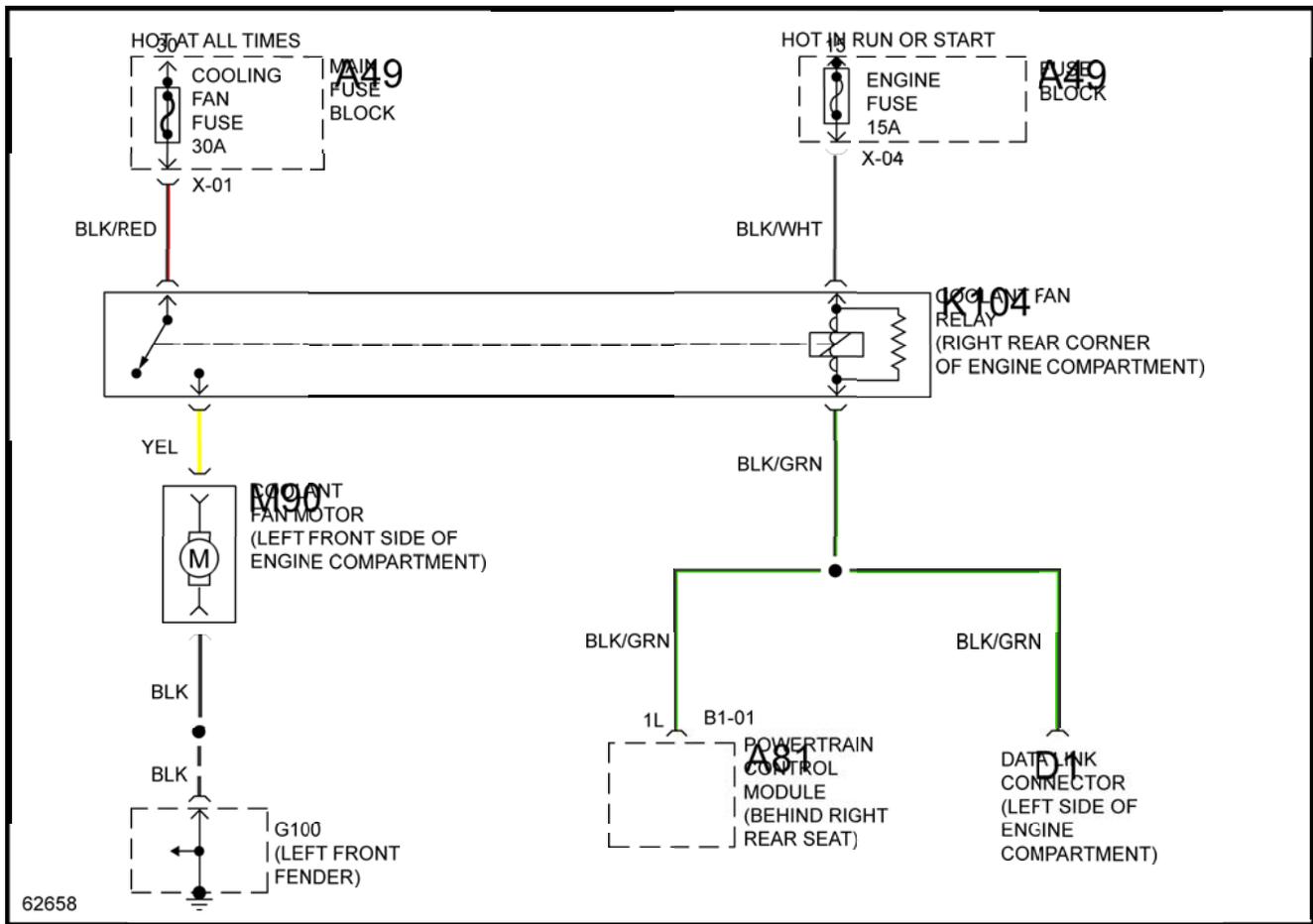


Fig. 3: Testing Cooling Fan Relay
Courtesy of MAZDA MOTORS CORP.

WIRING DIAGRAMS

1994 Mazda MX-5 Miata

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Fig. 4: Electric Cooling Fan Wiring Diagram