

Component Procedures: Air Temperature Sensor (Ambient / Intake)

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Component Procedures: Air Temperature Sensor (Ambient / Intake)

Mass Airflow Sensor w/ Intake Air Temperature Sensor Replacement (Article 11456)

Callout Component Name

1 Mass Airflow with Intake Air Temperature Sensor Fastener (Qty: 2) Caution: Refer to Fastener Caution .

Tighten 4 Nm (35 lb in)

4 Nm (35 lb in)

2 Mass Airflow with Intake Air Temperature Sensor Procedure Disconnect the electrical connector.

Procedure

Disconnect the electrical connector.

Temperature Versus Resistance - Intake Air Temperature Sensor (Hitachi Sensor) (Article 11475)

Temperature C°/F° Resistance Minimum Ohms Resistance Maximum Ohms

Hitachi Intake Air Temperature (IAT) Sensor

-40/-40 37,527 49,882

-20/-4 13,110 16,329

-10/14 8,145 9,851

0/32 5,205 6,122

20/68 2,298 2,570

25/77 1,900 2,100

40/104 1,073 1,226

60/140 537 639

80/176 289 356

100/212 165 210

120/248 99 129

140/284 62 83

150/302 49 67