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Fig. 12: Measuring IAT Sensor Resistance At MAF Sensor (RX300)
 Courtesy of Toyota Motor Sales, U.S.A., Inc.

KNOCK SENSOR

Remove knock sensor. See KNOCK SENSOR under ENGINE SENSORS & SWITCHES in REMOVAL, OVERHAUL & INSTALLATION article. Check for continuity between knock sensor terminal and knock sensor body (hex portion). If continuity does not exist, knock sensor is okay. If continuity exists, replace knock sensor.

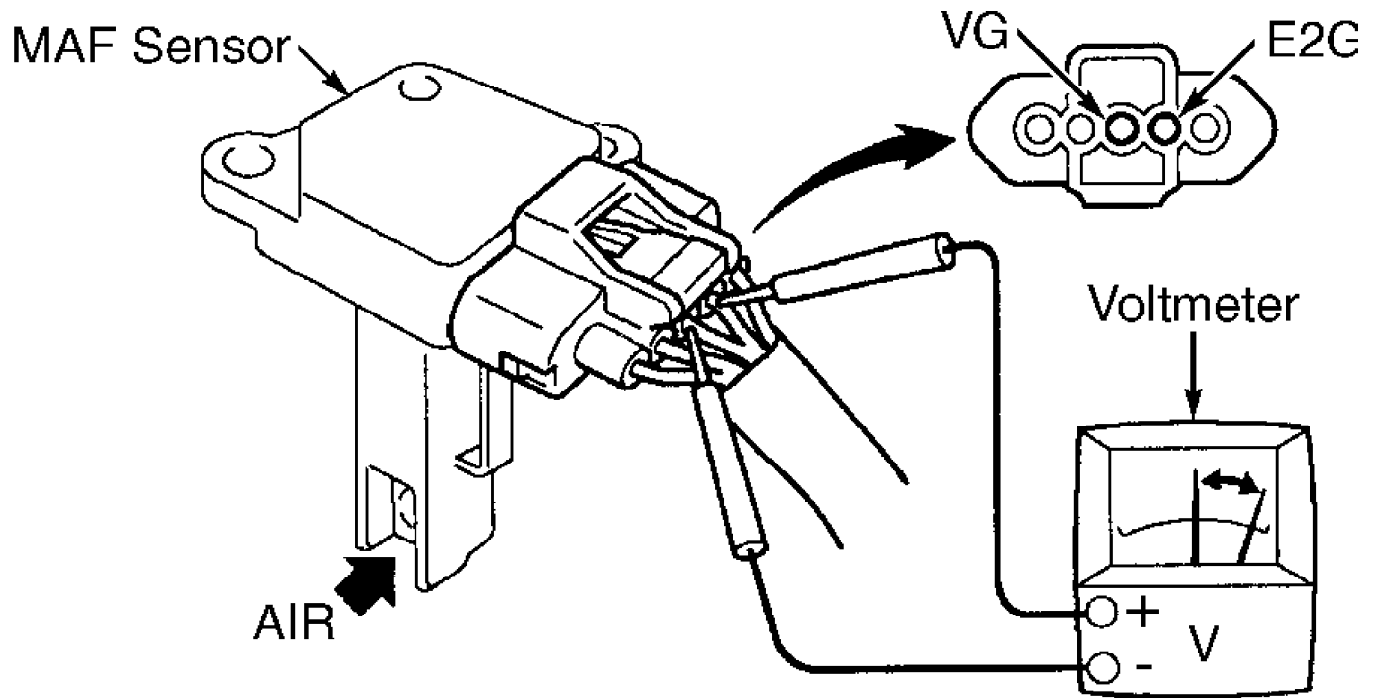
MASS AIRFLOW (MAF) SENSOR

MAF Sensor Resistance

Disconnect MAF sensor connector. Measure resistance between MAF sensor terminals THA and E2 at MAF sensor. See Fig. 11 or 12. Resistance should be as specified. See INTAKE AIR TEMPERATURE (IAT) SENSOR RESISTANCE table. If resistance is not as specified, replace MAF sensor.

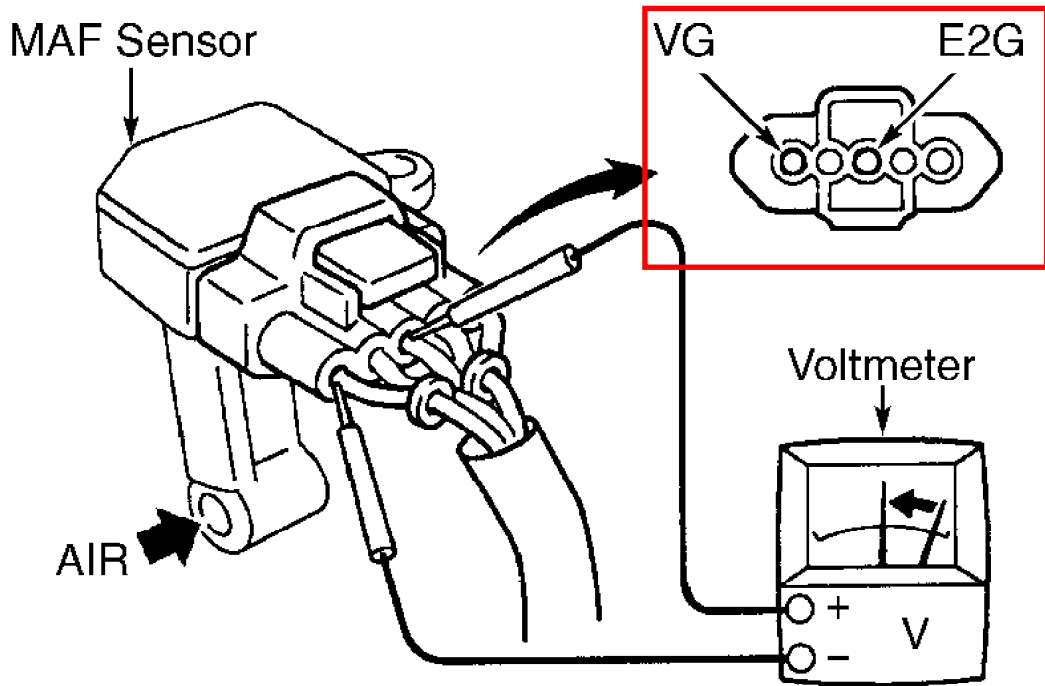
MAF Sensor Voltage

Leave MAF sensor connector attached. Turn ignition on. Backprobing, connect voltmeter positive lead to terminal VG and negative lead to terminal E2G at MAF sensor connector. See Fig. 13 or 14. Apply compressed air to MAF sensor. If voltage does not fluctuate while applying compressed air to MAF sensor, replace MAF sensor.



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Fig. 13: Testing Mass Airflow (MAF) Sensor (ES300)
 Courtesy of Toyota Motor Sales, U.S.A., Inc.



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Fig. 14: Testing Mass Airflow (MAF) Sensor (RX300)
 Courtesy of Toyota Motor Sales, U.S.A., Inc.

PARK/NEUTRAL POSITION (PNP) SWITCH