FIGURE 44.1 A TECH 2 scan tool is the factory scan tool used on General Motors vehicles.

FIGURE 44.2 An OTC Genisys being used to troubleshoot a vehicle. This scan tool can be used on most makes and models of vehicles and is capable of diagnosing other computer systems in the vehicle such as the antilock braking system (ABS) and airbag systems.
FIGURE 44.3 A typical malfunction indicator lamp (MIL) often labeled "Check engine" or "Service engine soon" (SES).

FIGURE 44.4 Connecting a scan tool to the data link connector (DLC) located under the dash on this vehicle.

FIGURE 44.5 This is what was found when removing an air filter from a vehicle that had a lack-of-power concern. Obviously, the nuts were deposited by squirrels or some other animal, blocking a lot of the airflow into the engine.
FIGURE 44.6  OBD-II DTC identification format.

EXAMPLE: P0300 = CYLINDER #3 MISFIRE DETECTED

B - BODY
C - CHASSIS
P - POWERTRAIN
U - NETWORK

0 - GENERIC (SAE)
1 - MANUFACTURER SPECIFIC

SPECIFIC VEHICLE SYSTEM
SPECIFIC FAULT DESIGNATION

FIGURE 44.7  After checking for stored diagnostic trouble codes (DTCs), the wise technician checks service information for any technical service bulletins that may relate to the vehicle being serviced.