FIGURE 38.1 The compressor is working if the center of the compressor clutch is rotating with the engine turning.

FIGURE 38.2 The AC compressor drive belt tensioner is used to keep a constant and even tension on the drive belt so it can properly transfer engine torque to the AC compressor.
FIGURE 38.3 An air-conditioning thermometer being used to check the discharge temperature at the center vents.

FIGURE 38.4 A typical cabin filter being removed from behind the glove compartment.

FIGURE 38.5 Heater hoses are the smaller coolant hoses that run from and back to the engine.
FIGURE 38.6 The air-conditioning condenser is located behind the radiator, which makes it more likely to become partially restricted due to road debris and grit.

FIGURE 38.7 A fin comb is used to straighten the fins on the condenser to help increase airflow and heat transfer.

FIGURE 38.8 A black light is used to look for refrigerant leakage after a fluorescent dye was installed in the system.
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**FIGURE 38.9** Hybrid electric vehicle AC compressor. Note that this unit is primarily belt-driven but has a high-voltage electric motor built in to allow the AC system operation during idling.

![Hybrid electric vehicle AC compressor](image_url)