

Chapter **38**

Heating And Air-Conditioning System Inspection

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FIGURE 38.3 An air-conditioning thermometer being used to check the discharge temperature at the center vents.



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



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FIGURE 38.5 Heater hoses are the smaller coolant hoses that run from and back to the engine.



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FIGURE 38.6 The air-conditioning condenser is located in front of the radiator and is therefore more likely to be become partially restricted due to road debris and dirt.



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



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FIGURE 38.8 A black light being 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 idle stop.


