levels can reveal different sounds.

Mechanic's Stethoscope

A mechanics stethoscope is an inexpensive tool for locating noises in motors and other moving parts. It can be used to help diagnose worn gears, faulty valves, coolant pump failure, damaged gaskets, defective bearings and body squeaks.

Squeak and Rattle Repair Kit

The Squeak and Rattle Repair Kit contains lubricants and self-adhesive materials that can be used to eliminate interior and exterior squeaks and rattles. The kit consists of the following materials:

- PVC (soft foam) tape
- Urethane (hard foam) tape
- Flocked (black fuzzy) tape
- Ultra High Molecular Weight (UHMW) (frosted) tape
- Squeak and rattle oil tube
- Squeak and rattle grease tube

Leak Detector

The Leak Detector is used to detect wind noises caused by leaks and gaps in areas where there is weatherstripping or other sealing material. It is also used to identify A/C leaks, vacuum leaks and evaporative emission noises. The Leak Detector includes a multi-directional transmitter (operating in the ultrasonic range) and a hand-held detector. The transmitter is placed inside the vehicle. On the outside of the vehicle, the hand-held detector is used to sweep the area of the suspected leak. As the source of the leak is approached, a beeping sound is produced which increases in both speed and frequency.

DIAGNOSIS AND TESTING > NOISE, VIBRATION AND HARSHNESS (NVH) > DIAGNOSTIC GUIDE

To begin a successful diagnosis, record the reported findings, then proceed to each of the numbered process steps to complete the diagnosis.

DIAGNOSIS AND TESTING > NOISE, VIBRATION AND HARSHNESS (NVH) > 1: CUSTOMER INTERVIEW

The diagnostic process starts with the customer interview. The service advisor must obtain as much information as possible about the problem and take a test drive with the customer. There are many ways a customer will describe NVH concerns and this will help minimize confusion arising from descriptive language differences. It is important that the concern is correctly interpreted and the customer descriptions are recorded. During the interview, ask the following questions:

- When was it first noticed?
- Did it appear suddenly or gradually?