

ANSWER KEY TO CHALLENGE SHEET

GENERAL TRANSMISSION DIAGNOSIS CHALLENGE

Customer's Concern: Recently my car has been shifting harshly. The problem is intermittent, but it is most noticeable when the car has been driven for twenty minutes or longer. The MIL light is on.

Customer Vehicle: Chrysler Sebring.

Possible Causes of This Challenge:

1. Malfunction of an input sensor.
2. Malfunction of a shift control solenoid.
3. Malfunction of the powertrain control module.
4. Malfunction of the transmission control module.
5. Bad harness connection at sensors, solenoids, or control modules.

Safety First Practices to Follow:

1. Wear safety glasses at all times.
2. Be careful of hot engine parts when checking sensors and wiring.
3. Follow all safety rules when using hand tools.

Tools and Equipment Required:

1. Hand tools.
2. Scan tool.
3. Digital meter.