

ANSWER KEY TO CHALLENGE SHEET

STEERING SYSTEMS CHALLENGE 3

Customer's Concern: There is power steering fluid on the garage floor. Also the car steering seems to be very stiff.

Customer Vehicle: Ford Escape.

Possible Causes of This Challenge:

1. Leaking hoses, "O" rings, or loose hose connection.
2. Leaking power steering pump seal or reservoir.
3. Leaking pinion seal.
4. Leaking rack and pinion housing seals.

Safety First Practices to Follow:

1. Wear safety glasses at all times.
2. Connect vehicle exhaust to a vent hose in a closed shop.
3. Make sure vehicle is in Park or Neutral and parking brake is set.
4. Watch out for moving or hot parts when inspecting under the hood.

Tools and Equipment Required:

1. Vehicle service information.
2. Flashlight or shop light.
3. Air blow gun.
4. Shop towels.
5. Will likely need proper power steering fluid to add to system.