

ANSWER KEY TO CHALLENGE SHEET

AXLE SEAL CHALLENGE

Customer's Concern: My brakes don't apply smoothly. They seem to grab. I noticed a burning smell coming from the right rear wheel.

Customer Vehicle: Dodge Ram 1500 ST.

Possible Causes of This Challenge:

1. Differential gear lube leaking on brake assembly due to a faulty seal.
2. Leaking wheel cylinder, causing brake fluid to contaminate brake assembly.
3. Brake self-adjuster rusted.
4. Vehicle was operated with parking brake applied.
5. Brake shoes worn.

Safety First Practices to Follow:

1. Wear safety glasses at all times.
2. Follow all safety rules when using hand tools.
3. Brake dust contains asbestos. Avoid breathing in this dust, and remove it with an approved brake washer.

Tools and Equipment Required:

1. Hand tools.
2. Impact gun.
3. Axle bearing nut socket.
4. Seal remover.
5. Seal driver.
6. Torque wrench.
7. Vehicle service information.
8. Brake washer.