

## CV JOINT CHALLENGE

**NATEF Standard(s) for Manual Drive Train & Axles:**

**D1** Diagnose constant-velocity (CV) joint noise and vibration concerns; determine necessary action.

**Directions:** Read the challenge below and then list (1) possible causes, (2) Safety First Practices, and (3) Tools and Equipment Required if a technician were to perform a Quick ✓ Check.

### CUSTOMER'S CONCERN

My vehicle shudders when turning right. This noise is getting worse.

**Customer Vehicle:** Ford Ranger.

### Possible Causes of This Challenge:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

### Safety First Practices to Follow to Quick ✓ Check This Challenge:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

### Tools and Equipment Required to Quick ✓ Check This Challenge:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_