

# Hydraulic System Fault Analysis

Meets ASE Task: A5 – B-10 – P-1

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Time on Task: \_\_\_\_\_

Make/Model/Year: \_\_\_\_\_ VIN: \_\_\_\_\_

Evaluation (Enter number from 4, 3, 2, 1) : \_\_\_\_\_

- ☐ 1. Check master cylinder for proper brake fluid level and condition.
- ☐ 2. Verify proper operation of the base brakes.
- ☐ \_\_\_\_\_ OK
- ☐ \_\_\_\_\_ Pulls to the left during braking (see Step 3).
- ☐ \_\_\_\_\_ Pulls to the right during braking (see Step 3).
- ☐ \_\_\_\_\_ Brakes do not release fully (see Step 4).
- ☐ \_\_\_\_\_ Poor stopping (see Step 5).
- ☐ \_\_\_\_\_ Other brake system concerns (describe)
- ☐ 3. Pulling can be caused by a stuck caliper piston on the side *opposite* the direction of the pull.
- If there is a pull to the right during braking, check the left side caliper. OK ☐ NOT OK ☐
- If there is a pull to the left during braking, check the right side caliper. OK ☐ NOT OK ☐
- ☐ 4. Brakes that do not fully release can be caused by a fault with the flexible brake hose and/or a stuck caliper piston
- Visually check the flexible brake hose. OK ☐ NOT OK ☐
- Check that the caliper piston can be moved into the caliper bore easily. OK ☐ NOT OK ☐
- ☐ 5. Poor stopping can be caused by a stuck caliper or wheel cylinder piston. Check that all hydraulic pistons are free.
- LF = OK ☐ NOT OK ☐
- RF = OK ☐ NOT OK ☐
- LR = OK ☐ NOT OK ☐
- RR = OK ☐ NOT OK ☐