**Meets ASE Task:** (A5-B-3) P-1 Check master cylinder for internal/external leaks and proper operation; determine needed action.

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_

Time on Task:\_\_\_\_\_\_\_\_\_\_\_\_\_

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

VIN:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

**Hydraulic System Fault Analysis**

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Poor stopping or dragging brakes or pulling can be caused by hydraulic system failure or faults.

[ ]  **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** [ ]