**Meets ASE Task:** (A5-E-4) P-2 Inspect and test hydraulically assisted power brake system for leaks and proper operation; determine needed action.

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

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

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

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

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

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

**Hydro-Boost Test**

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**[ ]  1.** Check the service information for the specified Hydro-Boost testing procedure for the

 vehicle being serviced.

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**[ ]  2.** Start the testing of a Hydro-boost power brake assist system by carefully inspecting

 the following components:

 Power steering fluid level **OK [ ]  NOT OK [ ]**

Power steering pressure hoses for leaks **OK [ ]  NOT OK [ ]**

Power steering pump drive belt **OK [ ]  NOT OK [ ]**

 Master cylinder brake fluid level **OK [ ]  NOT OK [ ]**

Visually inspect the Hydro-boost assembly

 for evidence of power steering fluid leaks **OK [ ]  NOT OK [ ]**

**[ ]  3.** Check the operation of the base hydraulic brakes by depressing the brake pedal several

 times with the engine "off" until the brake pedal feels firm. Continue to apply force to

 the brake pedal. The brake pedal should *not* drop.

 **OK [ ]  NOT OK [ ]** master cylinder or hydraulic system fault is

 indicated)

**[ ]  4.** With your foot still applying force to the brake pedal, start the engine. If the

 Hydro-boost system is functioning correctly, the brake pedal should drop.

 **OK [ ]  NOT OK [ ]**



**[ ]  5.** To check the power steering pump for proper operation,

 connect a power steering pressure gauge or pressure and

 volume gauge between the pump and the Hydro-boost

 unit. Start the engine and observe the pressure and

 volume gauges.

 Pressure at idle = \_\_\_\_\_\_\_\_\_

(should be less than 150 psi)

**OK [ ]  NOT OK [ ]**

Volume at idle = \_\_\_\_\_\_\_\_\_\_

(should be at least 2 gallons per minute)

 **OK [ ]  NOT OK [ ]**