

Hydro-Boost Test

Meets ASE Task: (A5-E-4) P-3 Inspect and test hydro-boost system for leaks and proper operation.

Name _____ Date _____ Time on Task _____

Make/Model/Year _____ VIN _____ Evaluation: 4 3 2 1

_____ 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 _____

