

Calibration Using a Standard Pass/Fail Cap

Objective

To up the limit for passing and failing gas cap tests. The midpoint between the passing cap pressure drop and the fail cap pressure drop will be used as the limit.

Required Equipment

Waekon Pass/Fail Standard. (FP726-21)

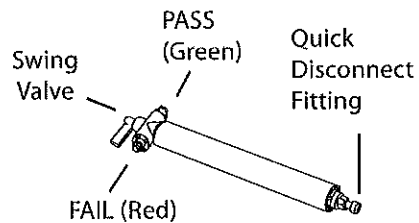
Procedure

- 1) At Main Menu select, "Quality Assurance, Pressure, Gas Cap Calibration".
- 2) Make sure the hose is not plugged. Press "OK".
- 3) Connect the standard to the end of the hose, turn the handle to pass, and press "OK".
- 4) The software pressurizes and computes the decay for the cap from a starting pressure of 28" WC.
- 5) Disconnect the standard when prompted. Press "OK". Connect the standard and turn the handle to fail and press "OK".
- 6) The software pressurizes and computes the decay for the cap from a starting pressure of 28" WC.
- 7) Disconnect the fail cap.
- 8) If the test is a pass, the software will display the pass/fail limit. Press "OK" to exit.
- 9) If the test is a fail with insufficient pressure difference, make sure the correct cap was used. Make sure the standard caps do not have dirt or other blockage. Try another standard cap if necessary. Repeat until this test passes.

Overview

Pass/Fail Standard—Applies only to FPT2600-EX1

Allows you to verify that the tester is calibrated properly.



Storage Case and Fuel Cap Adapters—Applies only to FPT2600-EX1 except for the Black Fuel Cap Adapter

Color coded for easy identification, the fuel cap adapters allow you to test most vehicle's fuel caps.

- **Black Cap Adapter**—Standard threaded cap, used for most vehicles.
- **Brown Cap Adapter**—Dual threaded cap. Typically used for 1996 Ford Explorer, 1999 or newer Chrysler vehicles, 2001 Mitsubishi and Nissan vehicles.
- **Orange Cap Adapter**—Three tab quick turn cap. Typically used for 1996 and newer Ford vehicles, 1997 and newer Mazda B-Series P.V.v., and 2001 Mazda Tribute.
- **Blue Cap Adapter**—Two tab quick turn cap. Typically used for 1996 and newer GM vehicles.
- **Red Cap Adapter**—1½" shallow cam. Typically used for Acura, Audi, BMW, 1970's Fords, IHC, Jaguar, Mazda, Mercedes, and VW.
- **Gray Cap Adapter**—1¾" shallow cam. Typically used for AMC, Audi, Chrysler, Isuzu, Jeep, Nissan, Renault, Subaru, Toyota, and VW.
- **Yellow Cap Adapter**—1½" deep cam. Typically used for mid 1970's Ford trucks, IHC, Winnebago, and Mercury Capri.

