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GCQIS Report Entry/Maintenance

GCQIS Technical Service Detail

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VACUUM BRAKE BOOSTER STEP THROUGH DIAGNOSIS :

NOTE: This message does not apply to Hydro-Boost equipped vehicles or hybrid vehicles. Please reference the applicable workshop manual section for brake system components and operation.

1994-2015 ALL VEHICLES EQUIPPED WITH VACUUM ASSISTED BRAKE BOOSTER. BOOSTER STEP THROUGH DIAGNOSIS ASSUMING NO AIR IN THE SYSTEM, DO THE FOLLOWING:

1. ENGINE OFF, PRESS BRAKE PEDAL SEVERAL TIMES TO RELEASE ALL VACUUM FROM THE BOOSTER.
2. LET CAR SIT FOR A COUPLE OF MINUTES, TO RELIEVE ANY HYDRAULIC PRESS.
3. PRESS ON BRAKE PEDAL. IS PEDAL HARD? DOES IT SINK TO FLOOR?
4. IF PEDAL IS HARD (FIRM), THERE IS NO AIR IN SYSTEM. IF PEDAL DOES NOT SINK TO FLOOR THERE IS NO INTERNAL LEAKAGE.
5. START ENGINE.
6. PRESS BRAKE PEDAL WITH NORMAL FORCE. IS PEDAL FIRM?
7. IF YOU APPLY CONSTANT PRESSURE TO THE PEDAL, WITH THE ENGINE RUNNING, IT WILL CONTINUE TO TRAVEL TOWARDS THE FLOOR. THIS IS NORMAL. THE BRAKE BOOSTER WILL CONTINUE TO APPLY ADDITIONAL FORCE TO THE MASTER CYLINDER, PULLING IT TOWARDS THE FLOOR.
8. SUGGEST TECHNICIAN TO COMPARE THE ENGINE RUNNING TEST ON ANY VEHICLE THEY HAVE IN THE DEALER THAT HAS VACUUM ASSISTED POWER BRAKES, THEY WILL ALL DO THE SAME THING.

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