



Service Bulletin

File in Section: -

Bulletin No.: PIC5647

Date: March, 2012

PRELIMINARY INFORMATION

Subject: Hard Brake Pedal When Cold With Auxiliary Vacuum Pump

Models: 2008 - 2012 Cadillac CTS All Models
With 2.8 (LP1), 3.0 (LF1 or LFW), or 3.6 (LLT or LFX)

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

Condition/Concern:

A customer may comment of a hard brake pedal during a cold start. Please check the operation of the auxiliary vacuum pump.

Recommendation/Instructions:

If the aux vac pump is inoperative, check the BRK VAC PUMP fuse in the UBEC. If the fuse is open, check wiring from the Underhood Fuse Block to the vacuum pump. If wiring is ok, replace aux vac pump and fuse, please be sure to check the black o-ring in the Power Booster Vacuum Hose adaptor for any tears or nicks.



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If the black o-ring is damaged, replace. The o-ring is serviced by replacement of the Power Booster Vacuum Hose. Make sure when installing new hose to install the connection straight onto the pump and not on an angle to avoid damaging the new o-ring. Review Pictures below

Correct Installation



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Incorrect Installation



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Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.