



**SPHEROS**

22150 Challenger Dr, Elkhart, IN 46514



## **TSB 16-09-01 Emission System Purge Valve Hose Inspection: GM 3500/4500Series Cutaway with 6.0L gas engine**

Symptom: Stalling after 3 or more hours of use. Inspect and repair as needed.

Cause: The original Fuel Tank Purge Line, Manifold to Purge Solenoid, initially was a hard plastic line and replace with a Dayco 3/8" rubber fuel hose which was supplied with the Engine Kit. After time, the supplied rubber fuel hose is getting soft on occasion. This can cause the hose to kink due to the weight of the hose, required routing, degradation over time due to fuel additives such as Ethanol and coupled with under hood temperatures exceeding manufacture specs of 212°. The hose can kink on either end, but mainly at the Purge Solenoid side.

Correction: Replace the rubber fuel hose, originally supplied in Engine Kit, back to the original style OEM hard Permeation-Resistant 3/8" emission line. (21" in length)

Parts: 21" Parker low perm super fuel hose #38906

Instructions:

1. Remove engine cover
2. Remove Purge Solenoid electrical connector. (See image 1)
3. Slide Purge Solenoid upwards off the mounting tang.(See image 2)
4. Remove Purge Hose from Solenoid, located on the front side of the Solenoid. (See image 2)
5. Remove Purge Hose from intake manifold.(See image 3 & 5)
6. Cut rubber hose leaving 3" of Hose on both Purge Hose Connectors.(See image 4)
7. Insert Hard Plastic 3/8" fuel line into trimmed rubber fuel line until it contacts the end of the barbed nipple.(See image 3)
8. Reinstall Hose, Purge Valve and Purge Valve Connector and Engine Cover.

Prior to repairs contact your bus dealer.

Labor: 0.5 hr.

Parts: BSI #38906



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Image 1

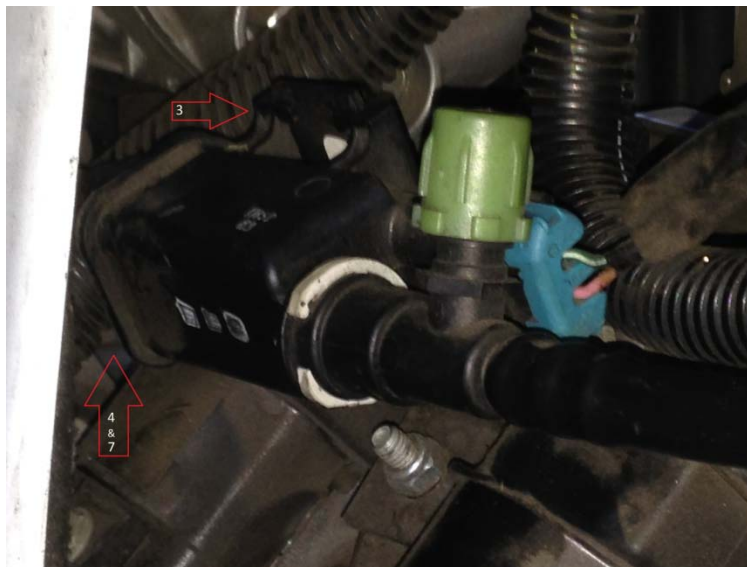


Image 2

This is Technical Information Only "TSB" Not a Recall



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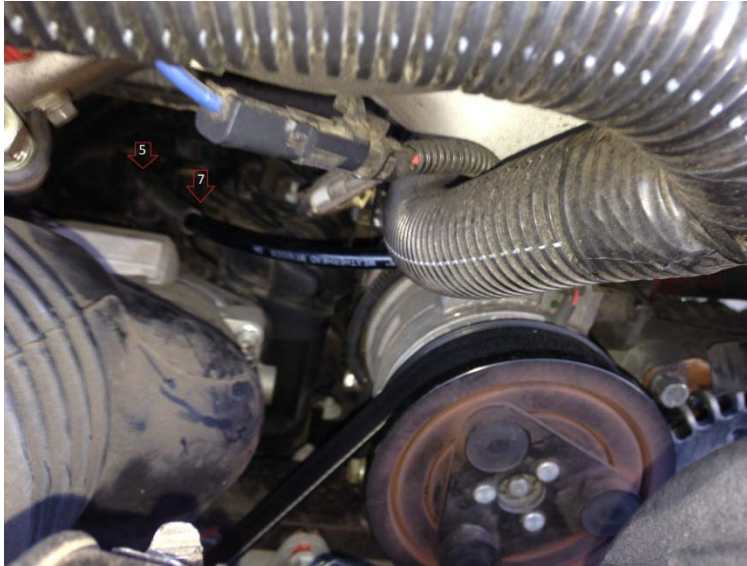


Image 3



Image 4

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Image 5