

RECALL

R24DE: 6.8L Gasoline Fuel Line Leak



Model(s) Affected: Certain 2018-2022 model year Vision (BBCV) with 6.8L gasoline engines

Issue: Liquid fuel can leach under fuel line coating and potentially leak.

Cause: Superficial cuts/abrasions to the end of the fuel line from material handling could possibly create leaks paths under the coating.

Solution: Inspect fuel line for signs of coating delamination and/or external leaks. Do not disassemble for inspection. Replace if any damage/leaks are found.

[WARNING] Observe all safety precautions to secure the bus from rolling and for use of ladders or scaffolds. Thoroughly read and understand all instructions before performing these procedures. Park bus on level surface, apply parking brake, turn off ignition key, and chock wheels.

SRT	Time (HR)
Repair A: Inspection Only	0.30 Hours (18 minutes)
Repair B: Inspection and Repair	0.80 Hours (48 minutes)

Related Parts	Part Number	Quantity
TUBE ASSY,FUEL/VPR,ENGINE BNDL,GAS,M10	10046465	1 (as req)
TIE,CABLE,120LB 15.25L	00029999	4 (as req)

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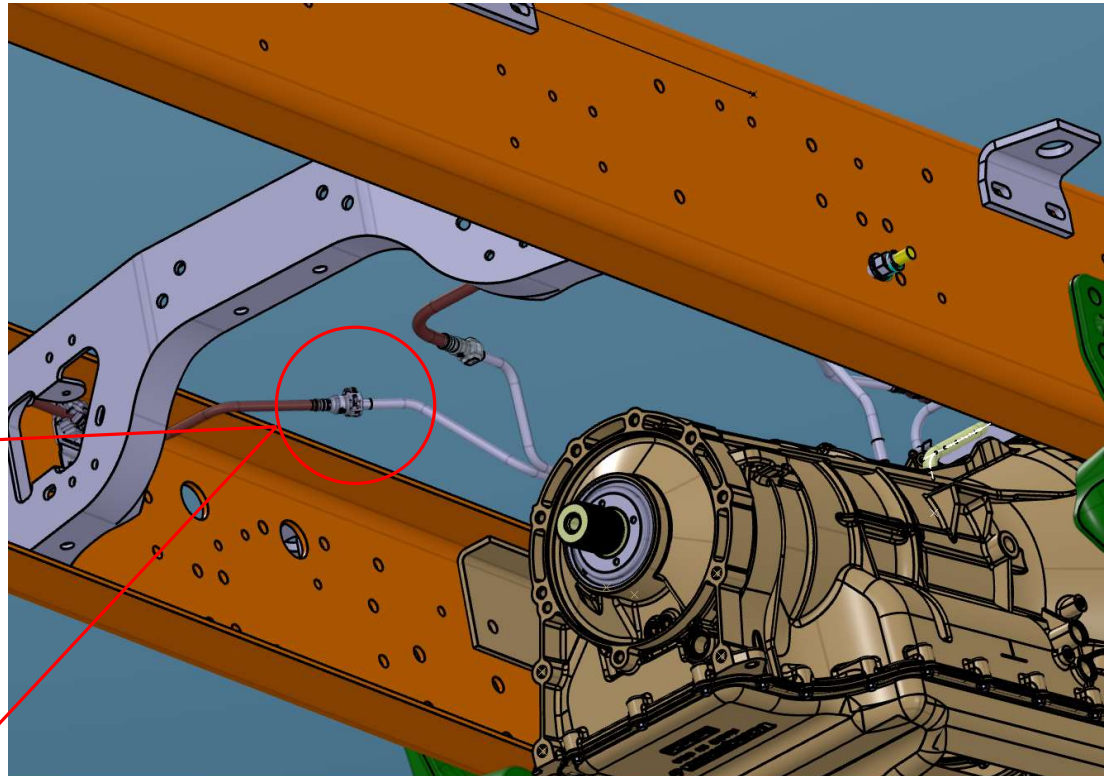
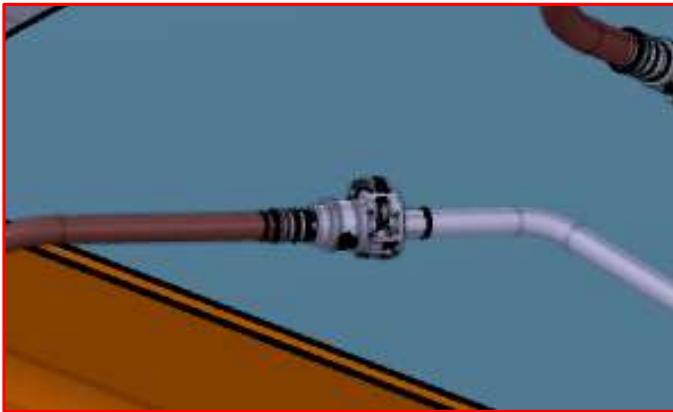
Instructions:

1. Visually inspect fuel line connection circled in red & surrounding areas. Primarily on the male (engine) side of the connector.

NOTE: This inspection is only for the connection circled in red. No other connection points are subject to this campaign.

2. If no signs of fuel and/or moisture, no further action is required.

Return bus to service.



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Instructions:

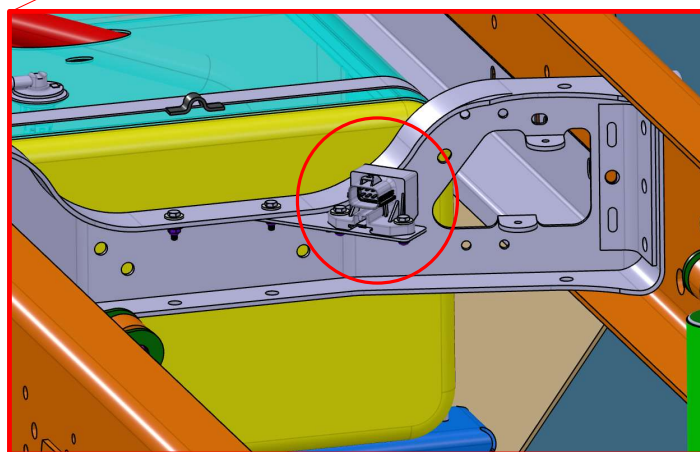
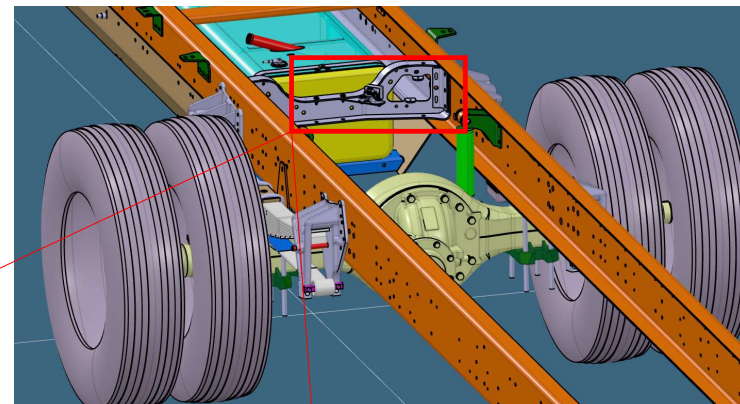
3. If fuel line is leaking at location, or there is visible evidence of leaks, proceed to the following steps to replace fuel line.

Preparatory:

- Chock wheels and secure vehicle
- Ensure fuel level is 15-85%
- Allow engine to cold soak for >60 minutes.
- Disconnect fuel pump driver module over rear axle.
- Start engine and allow to stall. Attempt to start engine again. Leave electrical connection loose until repair is complete.
- Disconnect batteries
- LOTO vehicle

Warning:

Gasoline is a highly flammable liquid and vapor. Gasoline can cause skin irritation, respiratory irritation, and organ damage. Prolonged exposure can cause lung issues and respiratory distress. Gasoline is toxic if swallowed, inhaled, or comes into contact with the skin. It can also be fatal if swallowed and enters the airways. Gasoline is harmful to aquatic life and can have long-lasting effects. Take proper precautions.



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Instructions:

4. Place a shop rag over fuel line connection and disconnect.

a) **Note:** Liquid fuel may spill from connections. Be prepared.

5. Cut ty-wraps at aux cross member that secure fuel supply and vapor line manifold.

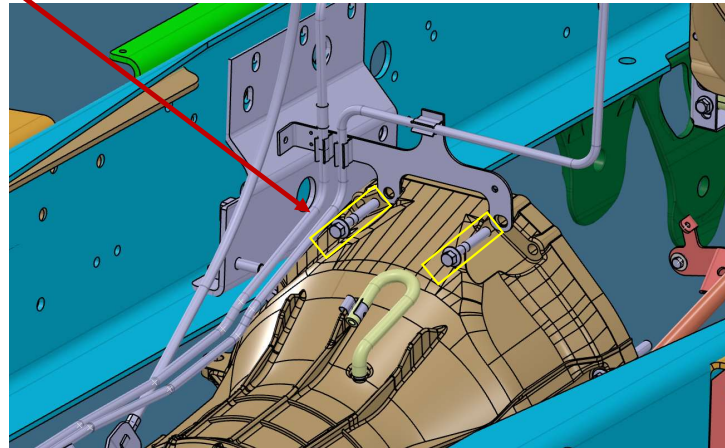
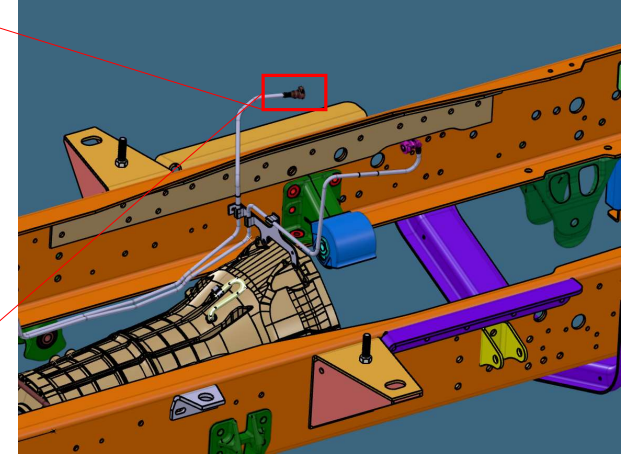
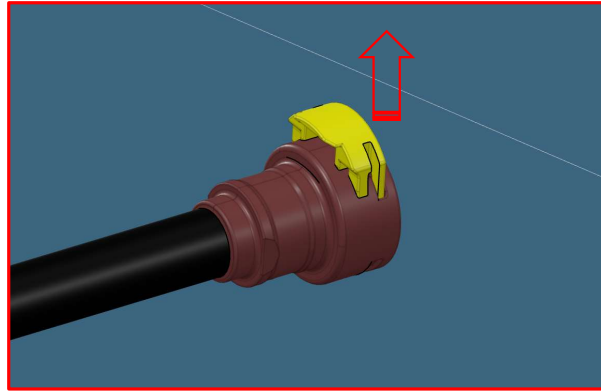
6. Remove and retain the two bellhousing bolts that secure fuel/vapor line manifold.

a) **Note:** These fasteners are re-usable. However, if they are corroded they will need replaced.

7. Remove fuel supply/vapor manifold assy.

8. Install in reverse order.

9. Torque bellhousing bolts to 30-40 Ft-lbs (40-54 NM)



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Instructions:

10. With fuel system re-assembled, re-connect FPDM (fuel pump driver module), and 12v battery connections.
11. Perform the following sequence, 3 consecutive times:
 - Turn key on but do not start
 - Pause 3 seconds and shut key off
 - Pause 30 seconds and key on
12. Key off, inspect fuel line and connection points for leaks and correct, as required.
13. Start engine and inspect for leaks
14. Connect IDS and confirm no fault codes
15. Perform EVAP self-test and confirm it passes.
16. Return unit to service.

NOTE:

If PCM faults are present, fuel line continues to leak, or units fails the EVAP test submit a technical support ticket for FSE support.

