

This Field Service Bulletin replaces bulletin, " Tandem Fuel Pump Leakage", PV729-FSB233-004\_V (USA50507) dated (10/2011).

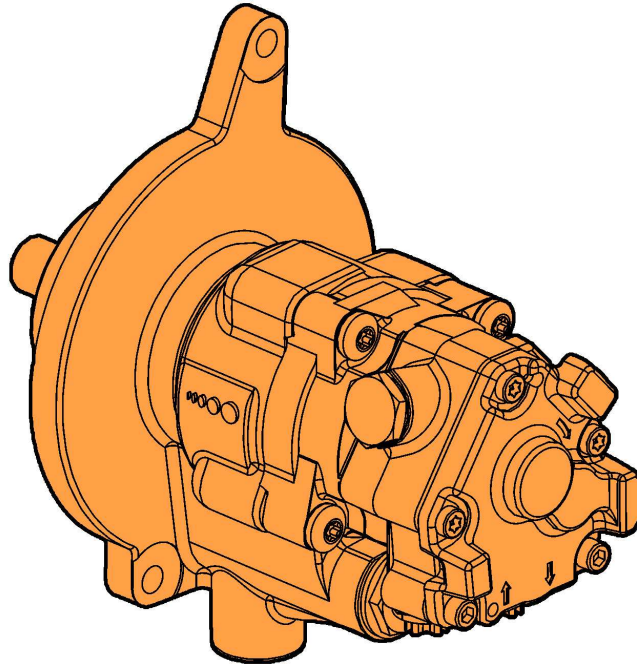
**Tandem Fuel Pump Leakage**  
 VN, VHD, VT, VAH

**FSB 233-004, Tandem Fuel Pump Leakage**

(February 2014)

The technical material analysis center (TMAC) claim analysis on returned fuel pumps has shown a number of fuel pumps returned due to a fuel leak that shows no defect in testing.

The D11, D13, and D16 fuel pump is mounted on the back of the power steering pump as a tandem pump assembly. The shaft seal for the fuel pump and the shaft seal for the power steering pump, along with the weep hole are all contained within the power steering pump housing. Replacement of the fuel pump due to a fluid leak at the weep hole will not correct a weep hole leakage complaint. Refer to the cross sectional diagram in this document for additional information and views of the seal location.



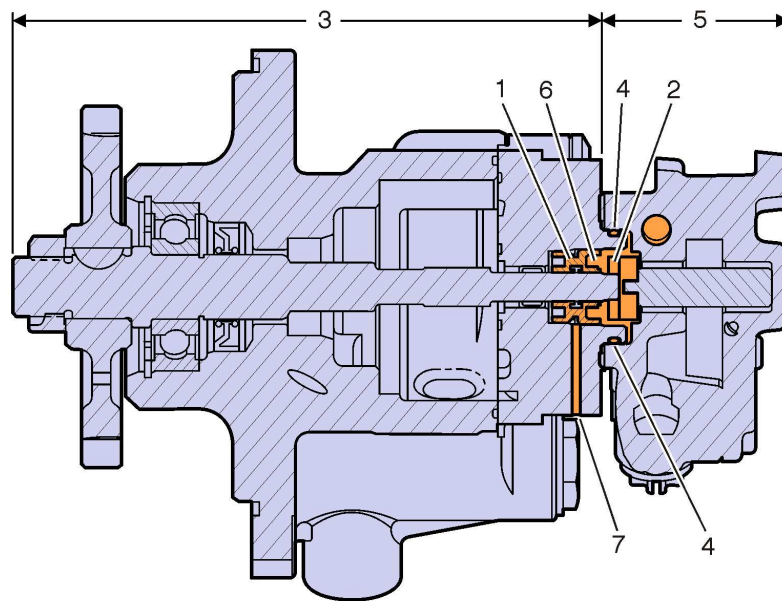
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Service personnel: Please circulate, read and initial

Service Manager	Warranty Administrator	Workshop Foreman	Service Technicians						

If a fuel leak is encountered at the fuel pump, identify the source area of the leak and proceed as follows:

Tandem Fuel Pump Inspection	
Fuel Leak Location	Action
Fuel Pump Fittings	Service fittings and sealing washers as necessary.
Fuel Pump Mounting O-ring	Replace fuel pump mounting O-ring
Weep Hole	Replace tandem pump assembly.



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Cross Sectional View of Tandem Pump Assembly	
Item Number	Description
1	Power steering seal and fuel seal both located in power steering pump
2	Drive Coupling
3	Power steering pump
4	Fuel pump mounting O-ring
5	Fuel pump
6	This space filled with fuel under normal operation
7	Weep hole for both power steering fluid and fuel