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## Service Information Bulletin

SUBJECT	DATE
Oil Filter Stand Pipe	September 2014

### Additions, Revisions, or Updates

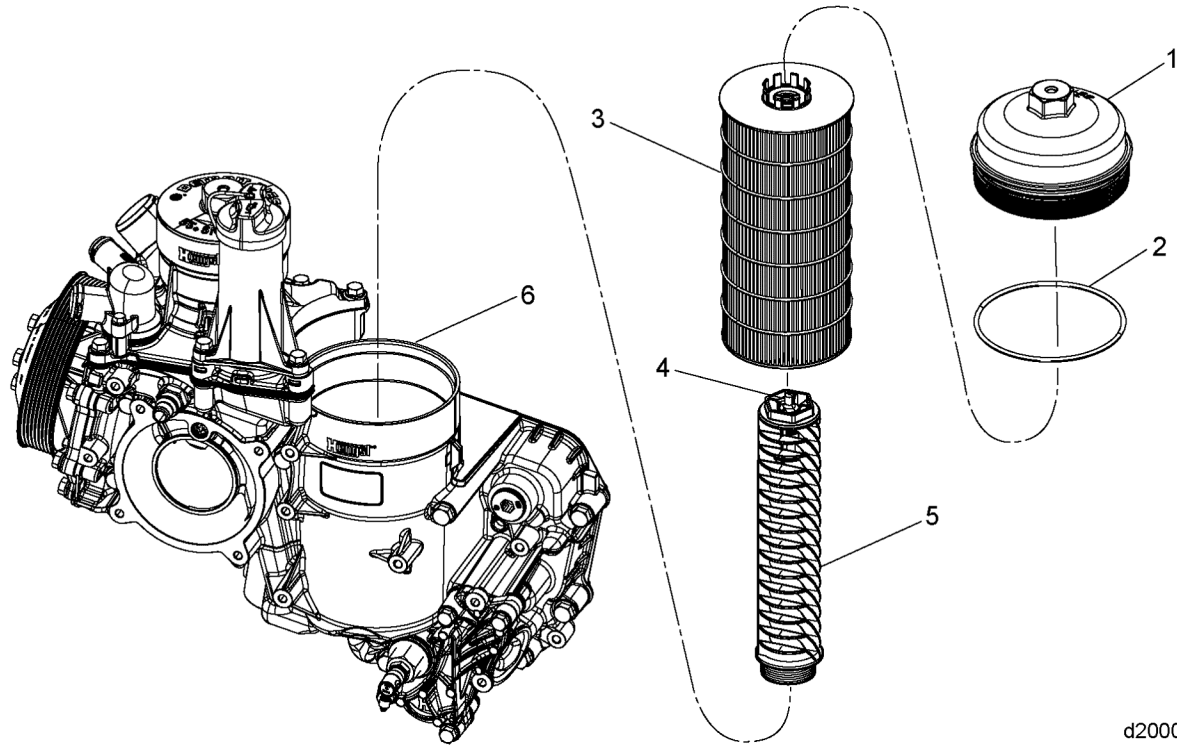
Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0081	DD Platform	Description and Operation of the Oil Filter Stand Pipe	These are new sections.
		Removal of the Oil Filter Stand Pipe	
		Installation of the Oil Filter Stand Pipe	



13400 Outer Drive, West, Detroit, Michigan 48239-4001  
 Telephone: 313-592-5000  
[www.demanddetroit.com](http://www.demanddetroit.com)

## 2 Description and Operation of the Oil Filter Stand Pipe

The oil filter stand pipe is mounted inside the oil coolant module with the oil filter surrounding it. On the top of the oil filter stand pipe is an oil bypass valve that allows oil to bypass the filter during cold start situations.



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- 1. Oil Filter Cap
- 2. Oil Filter Cap O-ring
- 3. Oil Filter Element

- 4. Oil Bypass Valve
- 5. Oil Filter Stand Pipe
- 6. Oil Coolant Module

**Figure 1. Oil Filter Stand Pipe and Related Parts**

### 3 Removal of the Oil Filter Stand Pipe

Remove as follows:

1. Using a 36-mm socket, unscrew the oil filter cap and filter and allow the oil to drain into the housing. After draining is complete, remove the assembly from the housing.
2. Remove the filter element by pressing and twisting the side and detaching it from the cap.
3. Remove the oil filter O-ring and discard.
4. Remove the oil filter stand pipe by gently unscrewing it, ensuring that no debris falls into the filter housing.

## 4 Installation of the Oil Filter Stand Pipe

Install as follows:

1. Check the filter housing for any debris and clean as necessary.
2. Install the new oil filter stand pipe in the filter housing. Torque to 35 N·m (26 lb·ft).
3. Lightly coat a new O-ring with clean engine oil and install it on the filter cap.
4. Insert a new filter element into the oil filter cap.
5. Insert the filter element and cap assembly into the housing. Torque the cap to 40 to 50 N·m (30 to 37 lb·ft).