

# Lower Oil Pan

## Special Tool(s) / General Equipment

Oil Drain Equipment

## Materials

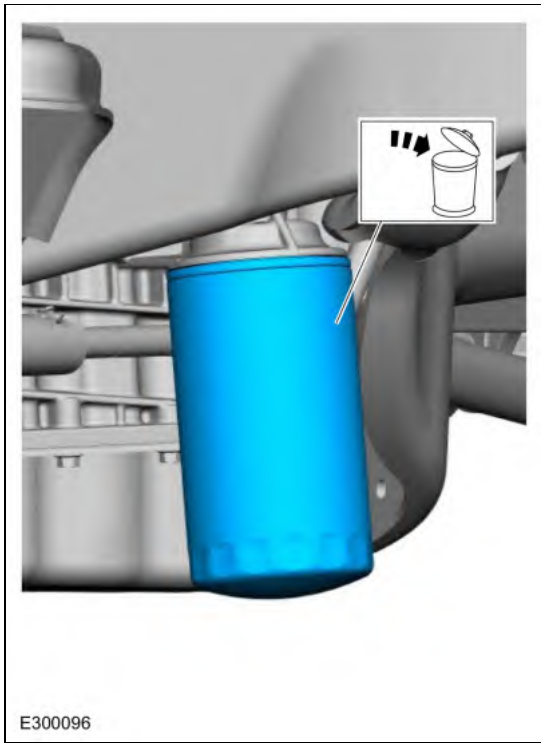
| Name                                                    | Specification |
|---------------------------------------------------------|---------------|
| Motorcraft® High Performance Engine RTV Silicone TA-357 | WSE-M4G323-A6 |
| Motorcraft® Metal Surface Prep Wipes ZC-31-B            | -             |

## Removal

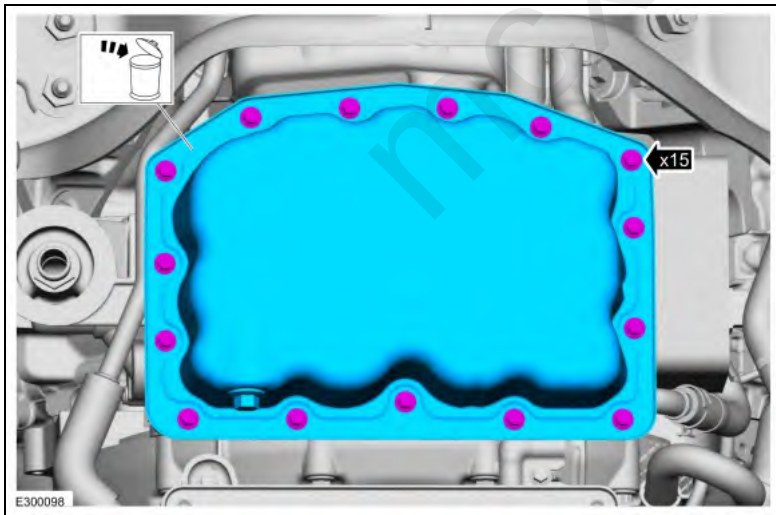
1. With the vehicle in NEUTRAL, position it on a hoist.  
Refer to: Jacking and Lifting - Overview (100-02 Jacking and Lifting, Description and Operation).
2. Remove the oil pan plug and drain the engine oil.  
Use the General Equipment: Oil Drain Equipment  
*Torque: 19 lb.ft (26 Nm)*



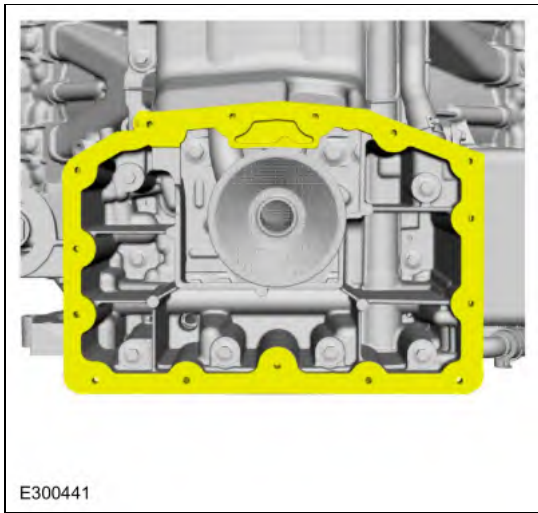
3. Remove and discard the oil filter.  
Use the General Equipment: Oil Drain Equipment



4. Remove the bolts and the lower oil pan. Discard the lower oil pan.



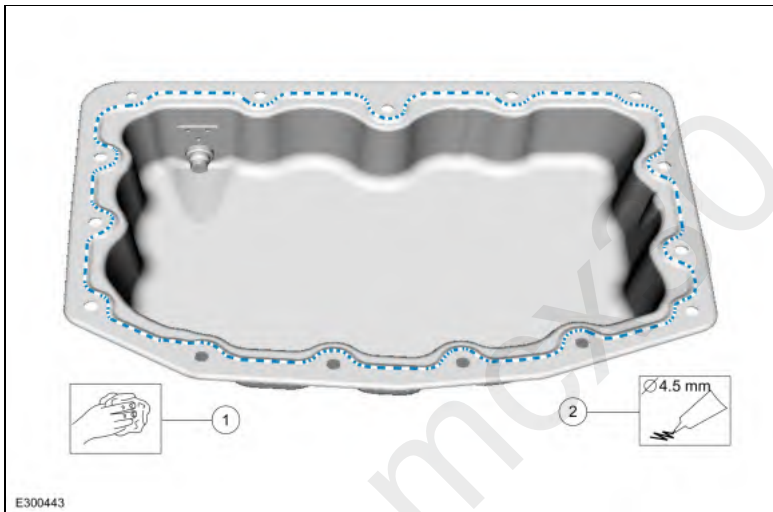
5. Clean and prepare the RTV sealing surface.  
Refer to: RTV Sealing Surface Cleaning and Preparation (303-00 Engine System - General Information, General Procedures).



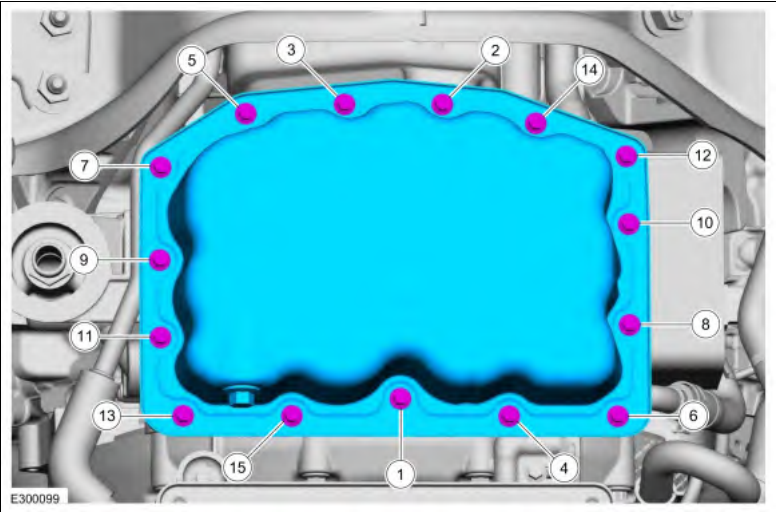
## Installation

1.
  1. Wipe the new lower oil pan sealing surface with a Motorcraft® Metal Surface Prep Wipe.  
Material: Motorcraft® Metal Surface Prep Wipes / ZC-31-B
  2. **NOTE:** If the lower oil pan is not secured within 10 minutes of sealant application, the sealant must be removed and the sealing area cleaned with metal surface prep. Allow to dry until there is no sign of wetness, or 10 minutes, whichever is longer. Failure to follow this procedure can cause future oil leakage.

Apply a 4.5 mm (0.18 in) diameter bead of Motorcraft® High Performance Engine RTV Silicone Sealant to the chamfer on the lower oil pan sealing surface.  
Material: Motorcraft® High Performance Engine RTV Silicone / TA-357 (WSE-M4G323-A6)

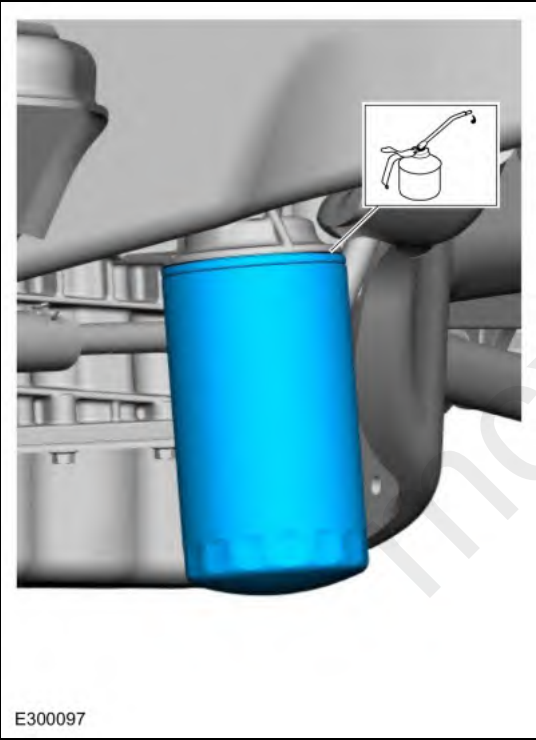


- 2.
3. Install the lower oil pan and the bolts.  
Torque: 89 lb.in (10 Nm)



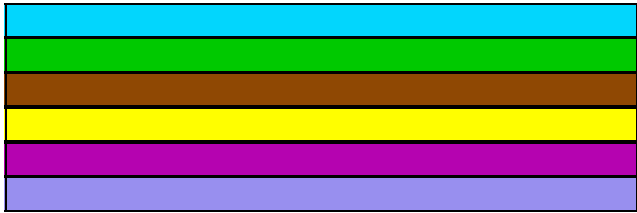
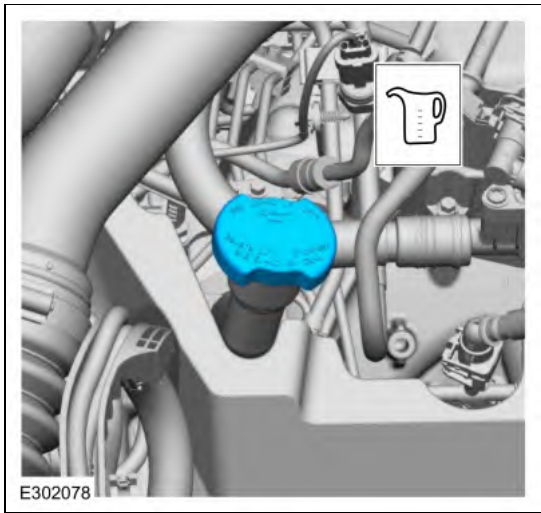
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4. Lubricate the rubber seal with clean engine oil and install the oil filter.  
Refer to: Specifications (303-01B Engine - 6.7L Power Stroke Diesel, Specifications).  
*Torque:*  
Stage 1: 44 lb.in (5 Nm)  
Stage 2: 230 Å°



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5. Fill the engine with the correct engine oil for the climate.  
Refer to: Specifications (303-01B Engine - 6.7L Power Stroke Diesel, Specifications).



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