

## Tool Instruction REAR SEAL REMOVER

4328337R1

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Tool Number: 12-183-02



0000387338

Figure 1. 12-183-02 Rear Seal Remover.

### Purpose

Essential tool used in removing the rear crankshaft seal.

### Application(s)

2015 PSI 8.8L Engine

## Application(s) (cont.)



**GOVERNMENT REGULATION:** Engine fluids (oil, fuel, and coolant) may be a hazard to human health and the environment. Handle all fluids and other contaminated materials (such as filters or rags) in accordance with applicable regulations. Recycle or dispose of engine fluids, filters, and other contaminated materials according to applicable regulations.



**WARNING:** To prevent property damage, personal injury, and / or death, read all safety instructions in the “Safety Information” section of the *Engine Service Manual* or *Engine Diagnostic Manual*.







**WARNING:** To prevent property damage, personal injury, and / or death, park vehicle on hard flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in either direction.



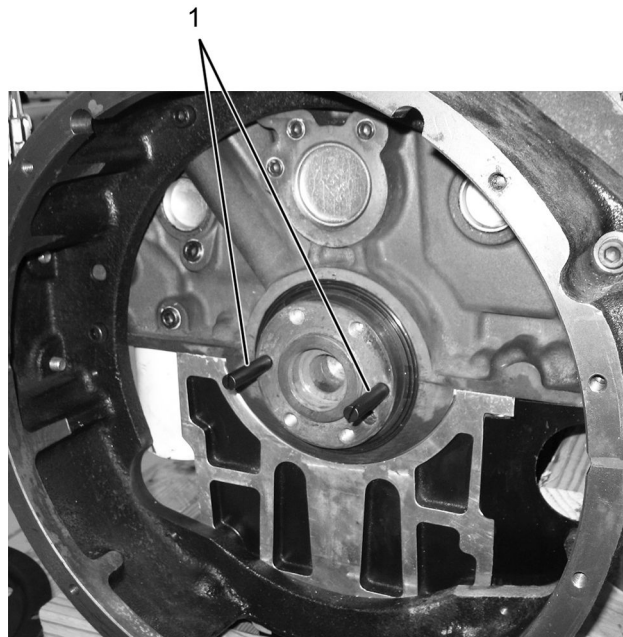
**WARNING:** To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.

## Tool Contents

Table 1

Image	Tool Number	Qty	Description
 <p>0000387336</p>	<p>12-183-02-01 12-183-02-02</p>	<p>1 1</p>	<p>Plate, Main Screw, Forcing</p>
 <p>0000387333</p>	<p>12-183-02-03</p>	<p>2</p>	<p>Guide Pin</p>
 <p>0000387337</p>	<p>12-183-02-04</p>	<p>6</p>	<p>Screw, Drilling</p>
 <p>0000160075</p>	<p>4328337R1</p>	<p>1</p>	<p>Tool Instruction</p>

## Instructions



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**Figure 2. 12-183-02-03 Guide Pin.**

1. Guide pin (2)

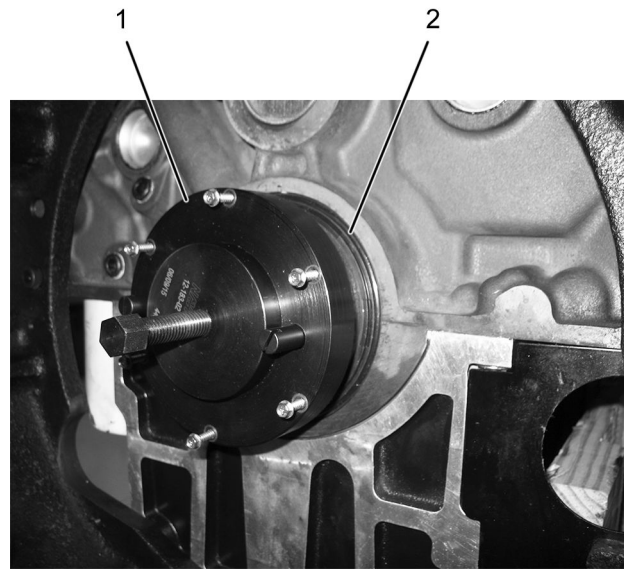
**NOTE: Some components were removed from graphic for clarity.**

1. Bring vehicle into shop, park vehicle on flat surface with wheels straight ahead.
2. Shift transmission to Park or Neutral and set parking brake.
3. Install wheel chocks.
4. Access rear main seal. Refer to appropriate engine service manual, service bulletin, or equivalent for detailed instruction.

**NOTE: Install guide pins in 3 o'clock and 9 o'clock positions.**

5. Install two guide pins (Figure 2, Item 1) into radial shaft.

## Instructions (cont.)



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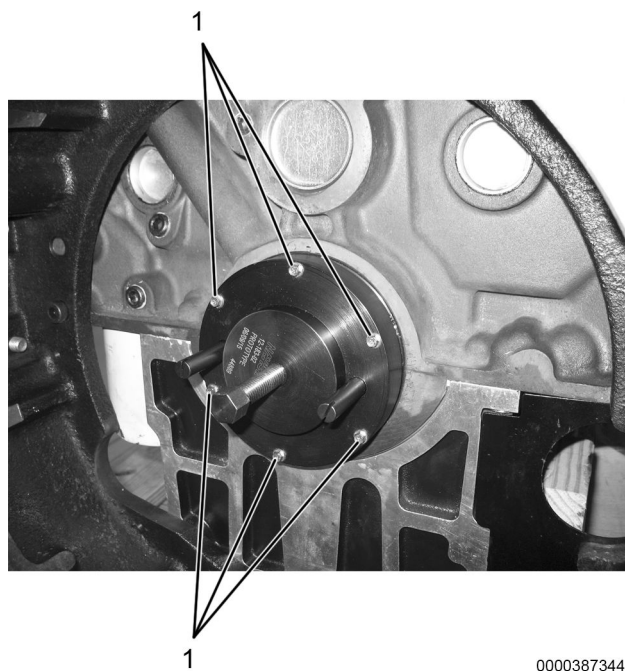
**Figure 3. 12-183-02 Rear Seal Remover.**

1. Seal remover assembly
2. Rear crankshaft seal

**CAUTION: To prevent component / tool damage, use a small amount of clean oil / grease on the threads of the forcing screw.**

6. Position seal remover assembly (Figure 3, Item 1) over radial shaft.
7. Push seal remover assembly inward and flush against rear crankshaft seal (Figure 3, Item 2).

## Instructions (cont.)



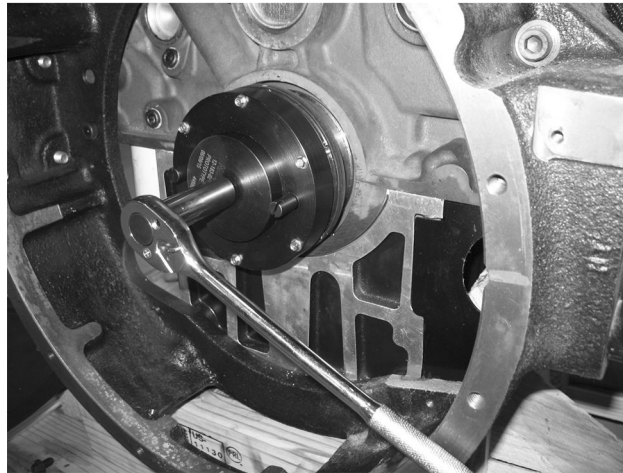
**Figure 4. 12-183-02 Rear Seal Remover – Retaining Screw.**

1. Screw (6)

**NOTE: Do not fully tighten screws on initial install.**

8. Using drill, partially install six screws (Figure 4, Item 1) into rear crankshaft seal.
9. Tighten screws in a star pattern.

## Instructions (cont.)



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**Figure 5. Seal Removal.**

**CAUTION: To prevent component / tool damage, NEVER use power / impact tools on the forcing screw.**

10. Using a socket and ratchet, tighten forcing screw to remove rear crankshaft seal.
11. Remove rear seal remover assembly, and remove seal from retaining screws.
12. Remove guide pins from radial shaft.

**CAUTION: To prevent component / engine damage, NEVER use compressed air to clean crankshaft seal area.**

13. Using a clean shop towel, clean rear crankshaft seal area.

## Contact Information

If you would like to order additional tools or need replacement parts, please refer to the Navistar Service Tool Catalog. If you have questions, concerns, or feedback, please contact Navistar Service Tool Support Center:

- Submit a Service Tool iKNOW Case File.
- Phone: 800-365-0088 (toll free).