

Tool Instruction Interstage Seal Driver Update Kit

4328194R1

Tool Number: ZTSE4937UPD

Purpose

To assist in removing and installing the Lip Seal to / from the Interstage Cooler (ISC).

Application(s)

MaxxForce[®] DT 9 and 10 Diesel Engines equipped with Interstage Coolers



0000063542

Figure 1. ZTSE4937 Interstage Cooler Test Kit

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: Read all safety instructions in the “Safety Information” section of the *Engine Service Manual* or *Engine Diagnostic Manual* to prevent personal injury or death.



! WARNING: Park vehicle on hard flat surface, turn the engine off, set the parking brake, and block the wheels to prevent the vehicle from moving in either direction. Failure to do so may result in property damage, personal injury, and / or death.

! WARNING: Always wear safe eye protection when performing vehicle maintenance. Failure to do so may result in personal injury and / or death.

! WARNING: Threads have sharp edges; handle tools properly. Failure to do so may result in personal injury and / or death.




Tool Contents

Table 1

Image	Tool Number	Qty	Description
 <p>0000062313</p>	ZTSE4937-1A	1	Seal Installer
 <p>0000069078</p>	D30320-1	1	5/8 In Bolt

Tool Contents (cont.)

Table 1. (cont.)

Image	Tool Number	Qty	Description
 <p>0000068856</p>	36755	1	Washer
 <p>0000063543</p>	A996213	1	1/2 In Bolt
 <p>0000138255</p>	4328194R1	1	Instruction Sheet

Instructions

Tool Instruction

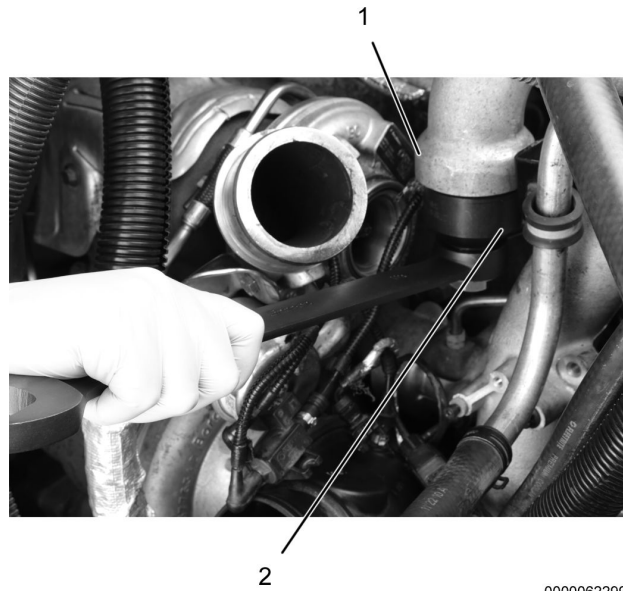


Figure 2. Interstage Cooler Outlet Lip Seal Removal.

1. Interstage cooler outlet
 2. ZTSE4937-2 Seal remover
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1. To access interstage cooler lip seal, refer to appropriate service manual, service bulletin, or equivalent for detailed instruction.
 2. Install the ZTSE4937-2 Seal Remover (Figure 2, Item 2) into ISC outlet (Figure 2, Item 1).
 3. Using a 1 1/4-in combination wrench, thread ISC seal remover (Figure 2, Item 2) into the outlet (Figure 2, Item 1) until it tightly grips crossover tube seal.
 4. Using the provided bolt and washer, secure the box end of 1 1/4-in combination wrench to the seal remover (Figure 2, Item 2).
 5. Using an up-and-down prying motion, rock the seal out of ISC outlet (Figure 2, Item 1).

Instructions (cont.)

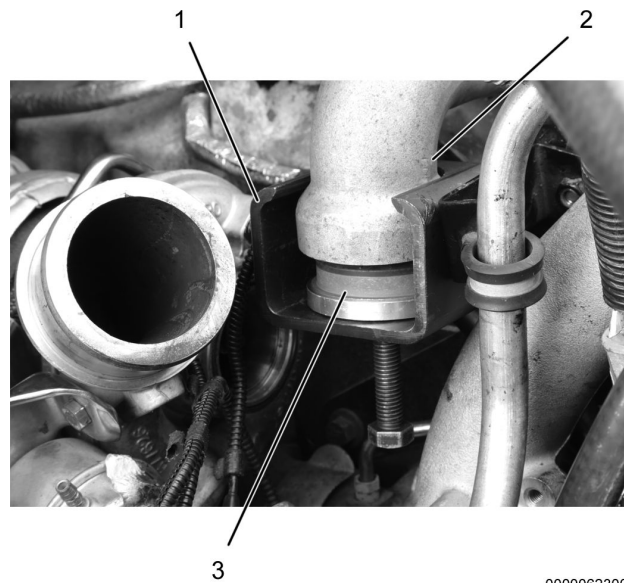


Figure 3. Interstage Cooler Outlet Lip Seal Plate Preparation.

1. ZTSE4937-4 Press
2. Interstage cooler outlet
3. Interstage cooler outlet lip seal

NOTE: Make sure lip seal is properly aligned with ISC outlet (Figure 3, Item 2) opening.

6. Apply P-80[®] or an equivalent lubricant to new ISC outlet lip seal (Figure 3, Item 3).
7. Position ZTSE4937-1A seal Installer into ZTSE4937-4 press (Figure 3, Item 1) with new seal (Figure 3, Item 3).

Instructions (cont.)

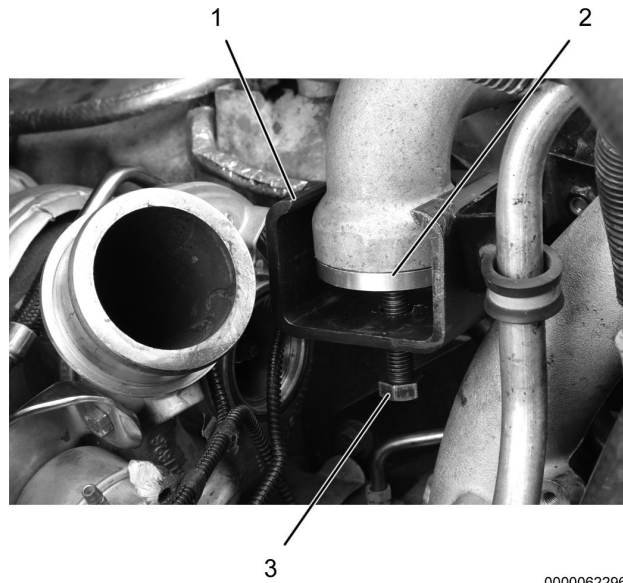


Figure 4. Interstage Cooler Outlet Lip Seal Plate Installed.

1. ZTSE4937-4 Press
 2. Seal installer
 3. Press forcing screw
8. Tighten forcing screw (Figure 4, Item 3) until seal installer (Figure 4, Item 2) is flush with the bottom of the outlet.

Tool Removal

1. Loosen press forcing screw.
2. Remove seal installer from press.
3. Remove press from ISC outlet.
4. Refer to appropriate service manual, service bulletin, or equivalent for reinstallation steps.

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, feedback, or need replacement parts, please contact:

[Navistar Service Tool Support Center](#)

- Phone: 800-365-0088 (Toll-Free) or 630-985-4171.
- Submit a Service Tool IKNOW Case.