

SIL 04-TR-21
March 10, 2021
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SUBJECT: New Remote, Floating Bundle Oil Cooler

MODELS AFFECTED: 2000, 3000, and T Series

Introduction:

As a continuous product improvement, Allison Transmission has released equivalent Remote, Floating Bundle Oil Coolers as an alternative to currently available Remote, Fixed Bundle design coolers. The Remote, Floating Bundle Oil Cooler design allows the cooler to be disassembled, inspected, and rebuilt. The following Floating Bundle design coolers are equivalent to current Fixed Bundle design coolers:

Fixed Bundle Cooler P/N	Floating Bundle Cooler P/N	Floating Bundle Cooler Description
29541642	29558111	SAE #12 / 410mm Remote Floating Bundle Oil Cooler
29541644	29559232	SAE #16 / 538mm Remote Floating Bundle Oil Cooler

Serviceability:

Service Seal Kit P/N 29565640 is available to service the Remote Floating Bundle Oil Cooler's internal O-ring seals, retaining rings, and end cap seals.

The Seal Kit includes:

- Retaining Rings (2) P/N 29560993
- End Cap Lip Seals (2) P/N 29560994
- Viton O-rings (2) P/N 29560992
- Instruction Sheet # 368 (1) P/N 29565638

The Remote Floating Bundle Oil Coolers have an increased outer shell diameter that requires a new U-Bolt Installation Kit P/N 29566474. Each kit includes a pair of U-Bolts and retention hardware. This kit will be included with each cooler. The U-Bolt kit is also available separately as a standalone service kit.

Floating Bundle design coolers are not a direct replacement for Fixed Bundle design coolers. Cooler mounting bracket geometry is different between Floating and Fixed designs. Modifications would most likely be required to the vehicle to install a Floating Bundle cooler in place of a Fixed Bundle cooler.

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Dimensions of Fixed and Floating Bundle Coolers are identified in [Figure 1](#) and [Figure 2](#).

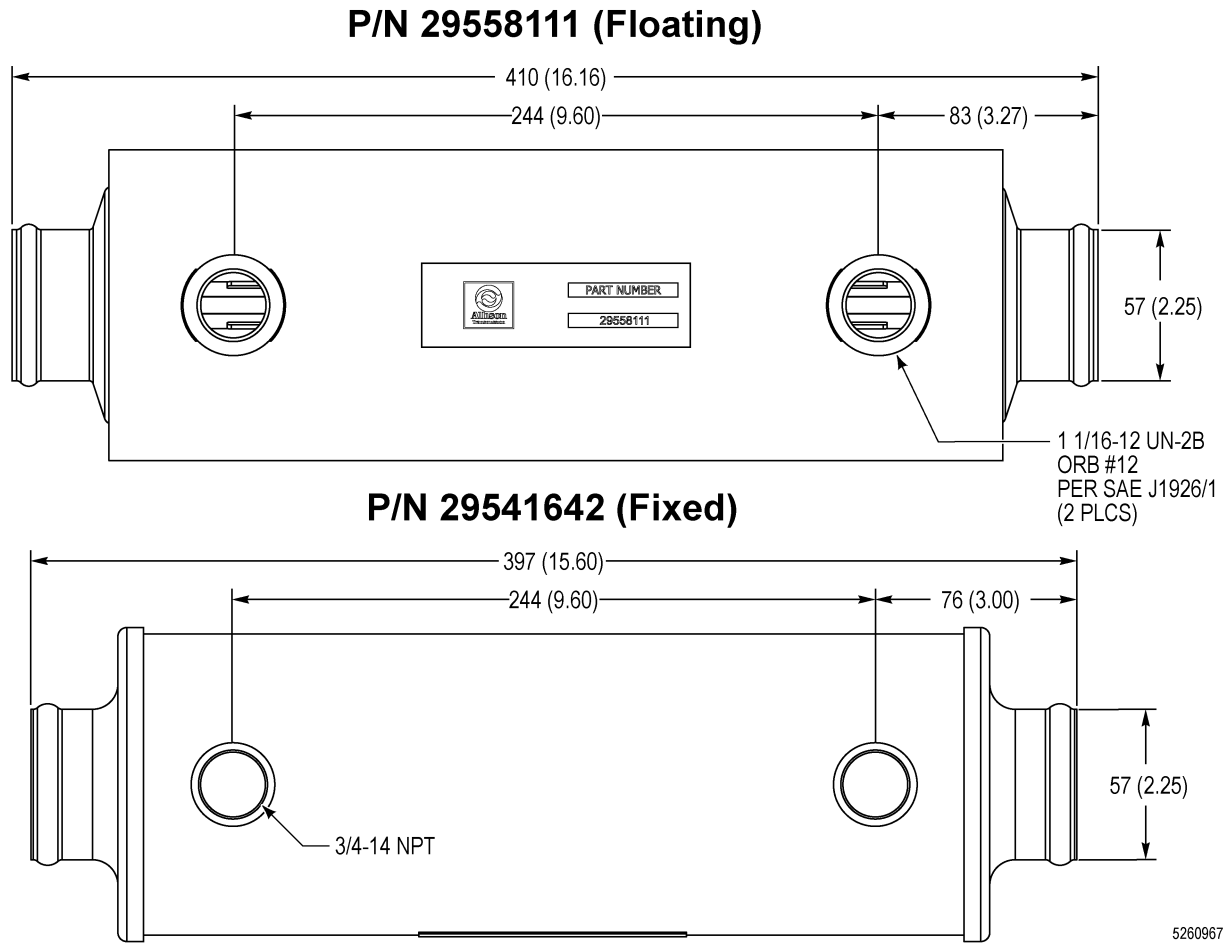
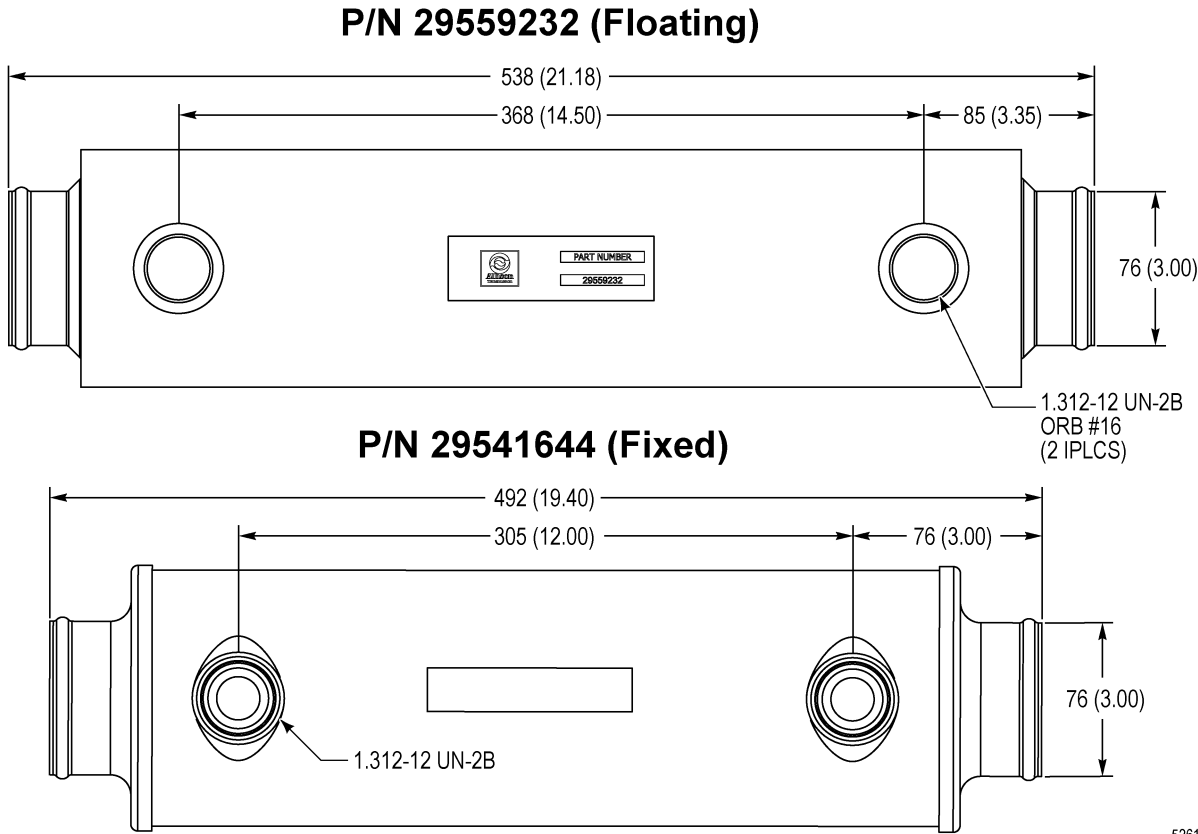


Figure 1. Fixed and Floating Bundle Cooler Dimensions

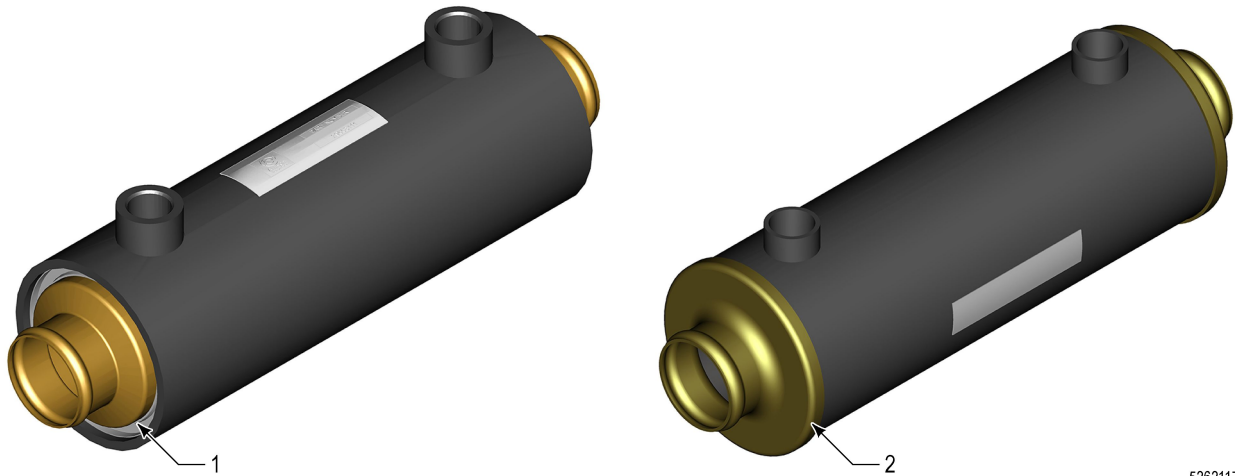


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Figure 2. Fixed and Floating Bundle Design Dimensions

Identification:

Refer to [Figure 3](#) to identify the fixed and floating bundle coolers. The most prominent visible indicator between the fixed and floating bundle style coolers is the data tag. The Remote Floating Bundle Oil Coolers feature a data tag, which includes the Allison Transmission logo and the current Allison part number. As seen below, the Fixed Bundle Oil Cooler utilizes a cover/end cap. The Remote Floating Bundle Oil Coolers utilize an additional rubberized seal in place of the Fixed Bundle Cooler's end cap, referred to as the end cap lip seal.



(1) – Floating Bundle with Seal

(2) – Fixed Bundle with Cover

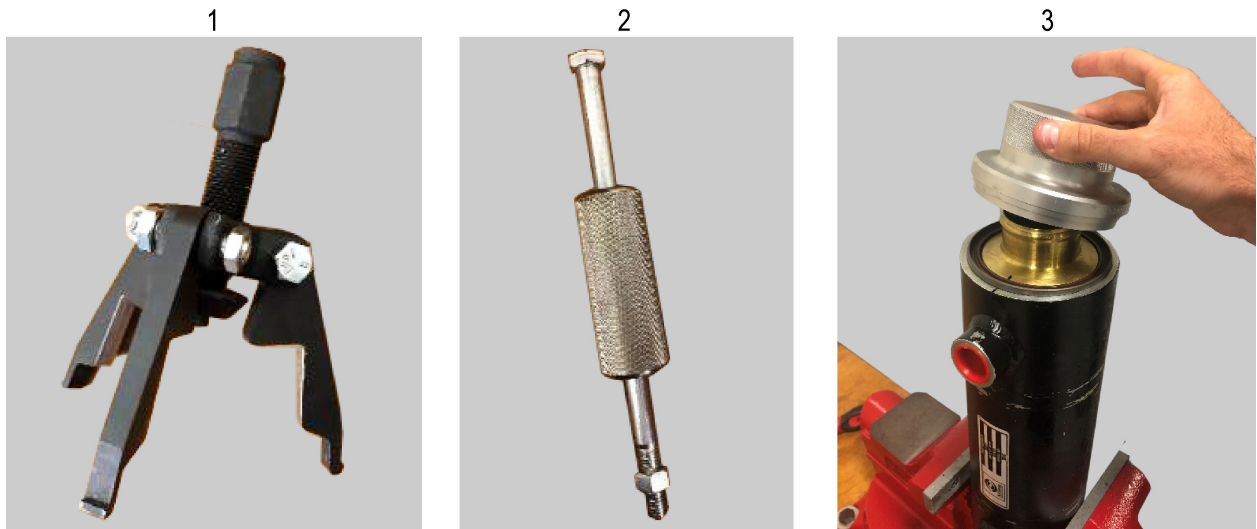
Figure 3. External Features of Floating Bundle and Fixed Bundle Coolers

Special Tools:

To accompany the release of the Remote Floating Bundle Oil Coolers, a Seal Remover and Installer Set (J-53006) can be purchased (this set does not include special tool Slide Hammer J-23907-1). Service procedures to use the special tools can be found in Instruction Sheet #368. These tools aid in removing and replacing the end cap lip seals found in the Seal and Ring Service Kit (P/N 29565640).



NOTE: Do not reuse end cap lip seals after removal.



(1) – Seal Puller

(2) – Slide Hammer

(3) – Seal Installer

Figure 4. Special Tools