

Product Information Letter

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The logo for ArvinMeritor, featuring the word "ArvinMeritor" in a bold, red, sans-serif font. The "Arvin" part is in a slightly larger font size than "Meritor". A small trademark symbol (TM) is located at the end of the word.

PRODUCT INFORMATION LETTER # 05-002

Date: March 2005

Subject: MULTIPLE LIP SEAL (MLS)

Models: 14X/16X/18X SINGLE AND 14X/16X/18X/38X/ TANDEM DRIVE AXLES

Dear Customer

In the interest of continuous product improvement ArvinMeritor is pleased to announce the implementation of a newly designed multiple lip seal for our highest volume axle products. The new seal assembly, which is made using premium materials, improves oil containment, contamination exclusion, while generally increasing seal effectiveness.

The axle models affected include the RT-xx-14X, RT-xx-16X, RT-xx-18X and RT-xx-38X forward unit input (FUI) and the RT-xx-14X and RT-xx-16X forward unit output (FUO) seal positions. Also affected are the RT/RS-xx-14X, RT/RS-xx-16X and RT/RS-xx-18X rear unit input (RUI) seal positions.

The FUI and FUO positions are "soft unitised" designs with two piece construction. These seals incorporate a seal sleeve, which is pre-installed on the yokes before yoke installation to the axle.

The RUI seals are "fully unitised" with seal sleeves integral to the seal assembly.

These new seals are an exclusive ArvinMeritor design to be used only with Meritor branded axles.

The seals will be introduced in to production as a running change beginning on March 7, 2005.

In addition to the seal change, to ease installation of the thru-shaft cage fixings with the new sleeve, the fixings will change from a hex head capscrew (part # S-268P-2) to a socket head capscrew (part # 15X-387). Assembly torque remains unchanged.

If you have any questions, please contact an ArvinMeritor representative

Use only genuine Meritor parts

An ArvinMeritor brand

MLS Part Number and Driver Information:

Axle Model and Position	Seal Service Part Number	Previous Seal Part Number	Seal Drivers	Sleeve Drivers
14X/16X/18X/38X Forward-Rear Input (FUI)	A1-1205X2728	A-1205R2592	2728T1	2728T2
14X/16X Forward-Rear Output (FUO)	A1-1205Y2729	A-1205P2590	2729T1	2729T2
14X Rear-Rear Input (RUI)	A1-1205Z2730	A-1205N2588	2730T	Not Required. Seal is unitised
16X/18X Rear-Rear Input (RUI)	A1-1205A2731	A-1205Q2591	2731T	Not Required. Seal is unitised

The new seals will require new seal and sleeve installation tools. For recommended installation instructions, please see Technical Bulletin TP-0446. ArvinMeritor recommends the use of specific seal and sleeve drivers to ensure proper positioning. A CD (TP-0531) has been developed which shows the correct methods used for seal installation and replacement. Replacement seals as well as seal and sleeve drivers will be available through ArvinMeritor Commercial Vehicle Aftermarket.

The bolt-on deflector (3264-J-1466) that may be used on certain RT-xx-14X and RT-xx-16X forward unit output positions is incompatible with the new seal design and will be discontinued with the implementation of the new seal. The seal sleeve that is assembled to the yoke also acts as a deflector for the new seal.

If you have any questions, please contact your ArvinMeritor representative.

Issued by Product Engineering
Meritor HVS Australia Ltd

Fully Unitized one piece design:



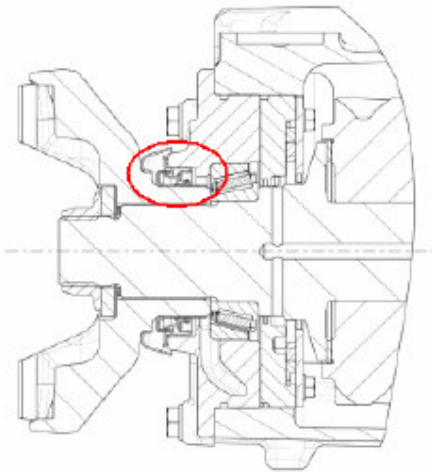
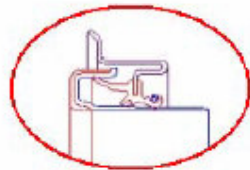
Seal with seal sleeve design
"soft unitized":



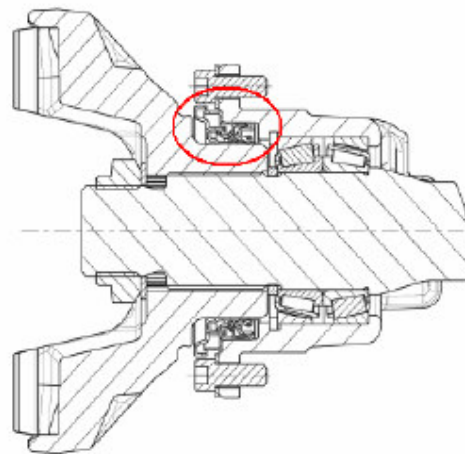
Installation tools:



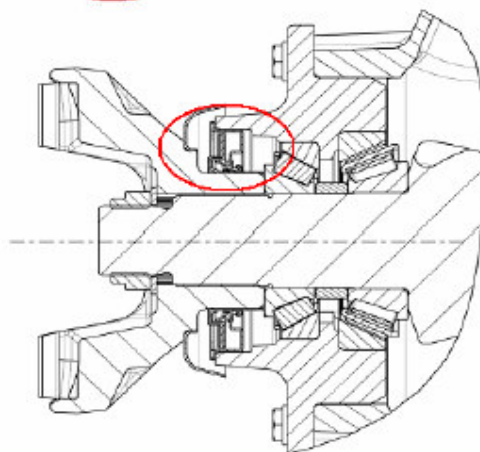
Forward Unit Input Seal Position:



Forward Unit Output Seal Position:



Rear Unit Input Seal Position:



Output Shaft Seal Deflector:

