



Advanced Wheelend Technologies

Service bulletin

BBOC-FRU-1625 bushing installation

This model is specially developed for the late model Fruehauf "Propar" axles with 16-1/2" brakes.

This improved bushing design bypasses the problem of dealing with spider damage. The affected area is usually located exactly where the outer O-Ring seals the bushing to prevent contamination.

To prevent contamination, the PM BBOC-FRU-1625 bushing is pressed in the spider-bushing channel with a 0.0025 pressed fit. The bushing features a built-in seal insertion cavity, harbouring a single lipped grease seal.

This system enables complete protection from contaminants and can ensure the legendary durability of "OPTIMUM-CONTACT" bushings.

The bushing consists of two identical parts, which are pressed in the bushing channel on each side. This can be done one-at-a-time or both bushings at once.

Bushing and seal identification

<p>BBOC-FRU-1625 Bushing</p>	<p>SL-1625-FRU Seal</p>

The following installation procedure is the same for BBOC-FRU-1625 standard size and BBSP-FRU-1625-01 & 02 over size bushings.

Installation procedure

	<p>Step 1 : Clean the spider properly, as shown in step 1 of the procedure manual. Be sure to remove all rust from the bushing channel.</p>
	<p>Step 2 : Check the spider for damage and possible cracks. If there is no apparent damage, proceed to next step. If damage is present, and / or if the new bushing is loose inside the spider, refer to the SPIDER + " spider rebuilding method " to repair the spider in place and then go to the next step.</p>
	<p>Step 3 : Using the RA-1625 centring flange and the RT-1625-188 bushing installer flange, install the half-cups on each side of the spider by inserting one half-cup on the RA-1625 centring flange and another half-cup centred on the RT-1625-188 bushing installer flange. Then apply both bushings on each side of the spider channel and secure the puller in place by driving its threaded rod all the way in.</p>
	<p>Step 4 : Using a ½" impact wrench drive the puller's threaded rod clockwise to press both bushings at once until both traction flanges are fully seated on each side of the spider. Remove puller from the assembly.</p> <p>REPEAT STEPS 1 THROUGH 4 FOR ALL WHEELS.</p>

Refer to steps 5 to 8 of trailer procedure manual to install the centre bracket bushings. Follow the rest of the procedure in the manual to finish the job; the rest is the same as the normal procedure.

When installing the dust seals of the spider bushings, keep in mind that these bushings feature built-in seal insertion cavities.

For any questions regarding this service bulletin
please use our toll free tech support line;

1-877-765-9629