



SERVICE MANUAL BULLETIN

This Service Manual Bulletin is prepared by the Publications Department of New Flyer Industries Canada ULC. Refer to details below.

SMB-092B

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APPLICABILITY					
VEHICLE LENGTH	<input type="checkbox"/> 30ft.	<input type="checkbox"/> 35ft.	<input type="checkbox"/> 40ft.	<input type="checkbox"/> 60ft.	<input checked="" type="checkbox"/> ALL
VEHICLE TYPE	<input type="checkbox"/> High Floor	<input checked="" type="checkbox"/> Low Floor	<input type="checkbox"/> Invero®	<input checked="" type="checkbox"/> Xcelsior®	<input type="checkbox"/> ALL
FUEL TYPE	<input type="checkbox"/> Diesel	<input type="checkbox"/> Electric	<input type="checkbox"/> Diesel/Electric		<input checked="" type="checkbox"/> ALL
	<input type="checkbox"/> CNG	<input type="checkbox"/> LNG			
SUBJECT	VOK-07-F Steering Knuckle Lubrication				
SECTION TITLE	PM - PREVENTIVE MAINTENANCE				
DETAILS	<p>This bulletin provides information on lubricating MAN VOK-07-F front axle steering knuckle bearings.</p> <p>MAN axles has become aware that water may enter through the seal between the I-beam and the steering knuckle on the VOK-07-F front axle. For this reason, MAN recommends that the steering knuckle bearings should be lubricated with Renolit LX-OTP 2 lubricant every 6 months, once before and once after the winter season.</p> <p style="text-align: center;">NOTE:</p> <p style="text-align: center;"><i>The lubrication interval may be extended to once every year or 36,000 miles (58,000 km), whichever occurs first if operating under less severe conditions.</i></p> <p>Make this Service Bulletin available to service personnel to inform them of changed information and procedures.</p>				

1. Steering Knuckle Lubrication

1. Remove upper and lower dust caps, if installed, and discard. See "Fig. 1: Steering Knuckle Lubrication" on page 3.

 **NOTE:**

Newer axles with N2G calipers do not have dust caps and are fitted with a 45° grease fitting on the upper and lower bearings.

2. Replace upper and lower bearing straight grease fittings with a 45° angle fitting if not already done so.



DO NOT over-pressurize the bearing cavity when greasing the bearing, as this could cause the sealing washer, located behind the circlip, to bulge outward. Replace sealing washer if distorted.

3. Remove the protective red plastic cap from the upper and lower grease fittings and purge-lubricate the bearings. Use only Renolit LX-OTP 2 lubricant.

 **NOTE:**

To aid purging of old grease, ensure steering knuckle and grease are at room temperature. Rotate the steering knuckle left and right while applying grease so that the old grease can escape.

4. Clean any excess grease from the steering knuckle joint as well as the sealing washer cavity.
5. Install protective red plastic cap on grease fitting.
6. Once the upper and lower bearings have been greased, pack the sealing washer cavity with a preservation wax to prevent corrosion of the sealing washer.

 **NOTE:**

Newer axles with N2G calipers will have painted sealing washers to prevent corrosion of the washer and will not require the wax.

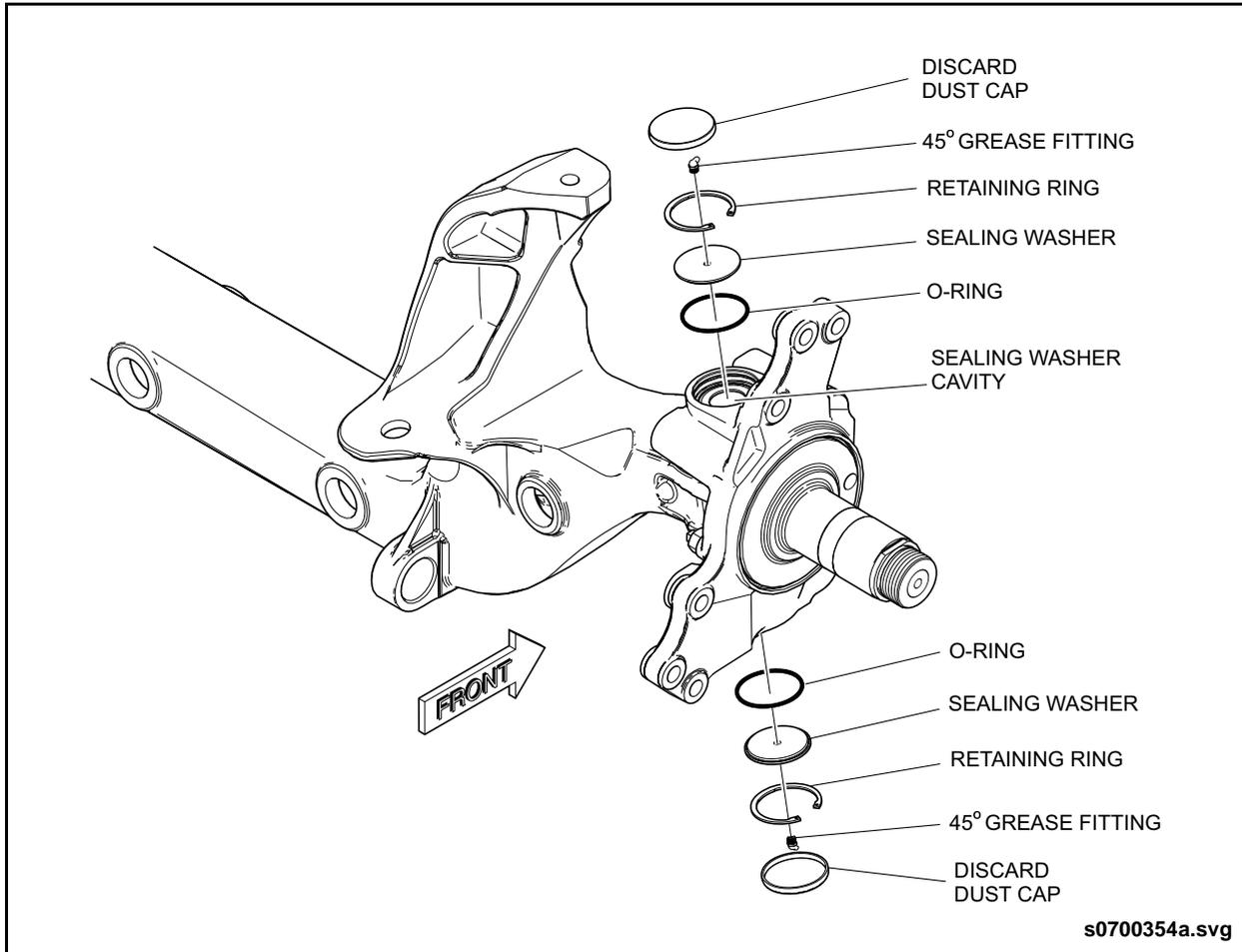


Fig. 1: Steering Knuckle Lubrication