



NEW FLYER

SERVICE MANUAL BULLETIN

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

SMB-141

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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 checked="" 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	Steering Knuckle Lubrication Model VOK-07-F				
SECTION TITLE	PM - PREVENTIVE MAINTENANCE				
DETAILS	This bulletin provides revised OEM information for lubricating the front steering knuckle bearings on MAN VOK-07-F front axles.				
	This information supersedes all prior information on this subject already provided in your New Flyer Service Manuals. Make this Service Bulletin available to service personnel to inform them of changed information.				

1. Steering Knuckle Lubrication

Lubricate the upper and lower steering knuckle bearing every six months if operating under harsh winter conditions where the vehicle is exposed to salt spray or extremes of temperature. It is recommended that the bearings be greased before the start of the winter season, and then again immediately following the winter season.

1. Remove upper and lower dust caps, if installed, and discard. See “Fig. 1: Steering Knuckle Lubrication” on page 2.

NOTE:

Newer axles with N2G calipers do not have dust caps and are fitted with a 45° grease fitting and a protective red plastic cap 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.

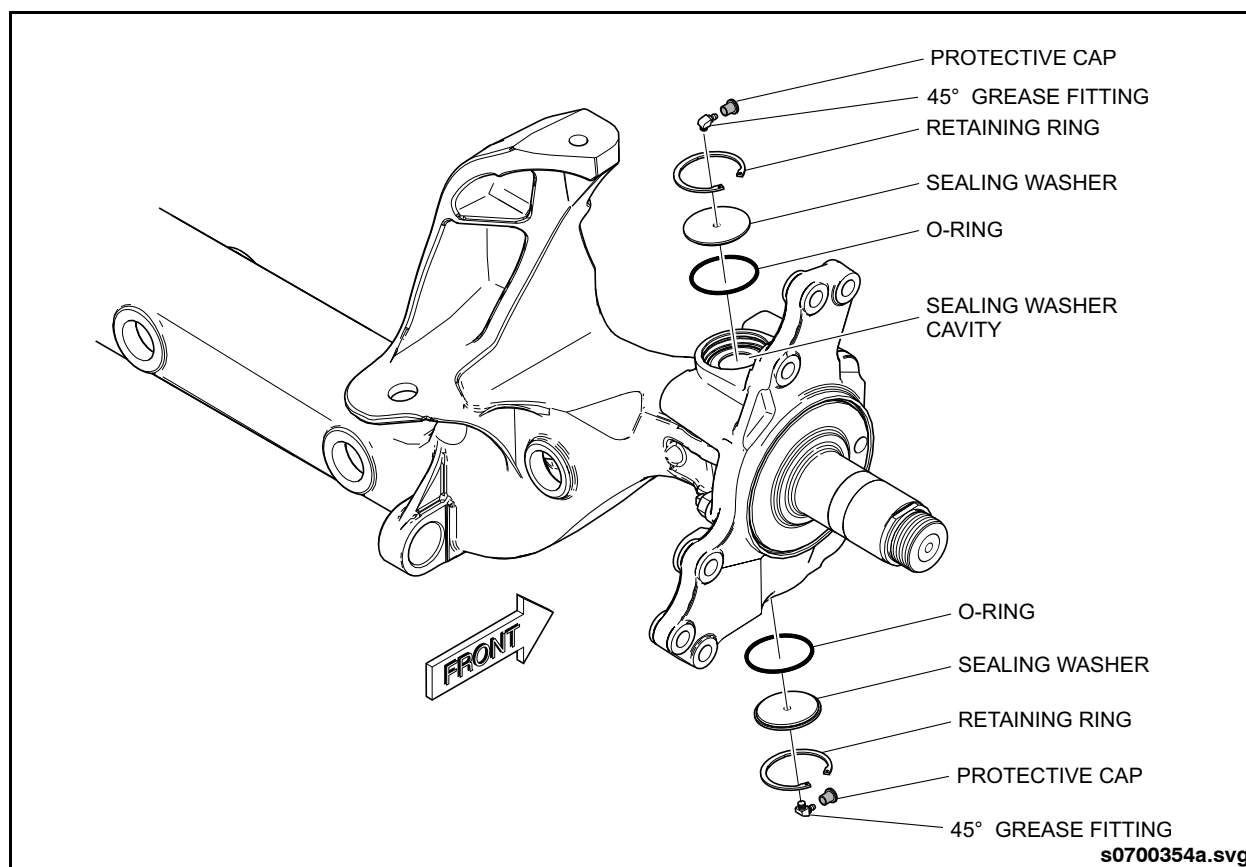


Fig. 1: Steering Knuckle Lubrication



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. 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.