

PARTS & SERVICE NEWS

REF NO.	AA00034
DATE	21, March 2000

SUBJECT: DRIVESHAFT ASSEMBLY-LUBRICATION

PURPOSE: Provide New Information to Customers on Grease Fitting U-Joints

APPLICATION: 530M

FAILURE CODE: 125099

DESCRIPTION:

The original driveshafts used for the front (between the engine and transmission) and the rear (between the transmission and rear axle) are supplied without grease fittings on the U-joints (Universal Joints). Replacement U-joints for the driveshaft assemblies are equipped with grease fittings allowing lubricant to be added periodically.

Trucks with U-joints (without grease fittings) that have accumulated over 5000 hours of operation or one year of use should be checked for binding, wear, vibration, or damage to the driveshaft assembly. If damage or roughness in a U-joint is noted, it should be replaced. **NOTE: ALWAYS REPLACE BOTH U-JOINTS ON A GIVEN SHAFT AT THE SAME TIME.** New capscrews are also recommended to be used.

If new U-joints with grease fittings are installed, the PM (preventive maintenance) sheet for the vehicle should be changed to reflect the added lubrication requirement. This added service interval is recommended to be done as follows:

- Every 1000 hours apply one or two pumps of grease at each fitting from a hand operated grease gun.
- Recommended lubricant: Mobil SHC, Shell Alvania, or Lithium complex soap based E.P. 2 multi-purpose grease.

The slip spline area of the rear driveshaft assembly should also be greased with the same lubricant and frequency as the U-Joint areas.

NOTE: IN EXTREMELY SEVERE OPERATING CONDITIONS OF DIRT, HIGH TEMPERATURES, OR PLUNGING IN DEEP WATER, THE LUBRICATION INTERVAL MAY NEED TO BE DECREASED TO KEEP DIRT AND WATER OUT OF THE BEARINGS OR SPLINE AREAS.

Part Number	Qty.	Description
562-20-31001	1	Front Propeller Shaft
562-20-31101	2	Spider Assembly (with grease fitting)
562-20-31801	8	Capscrew

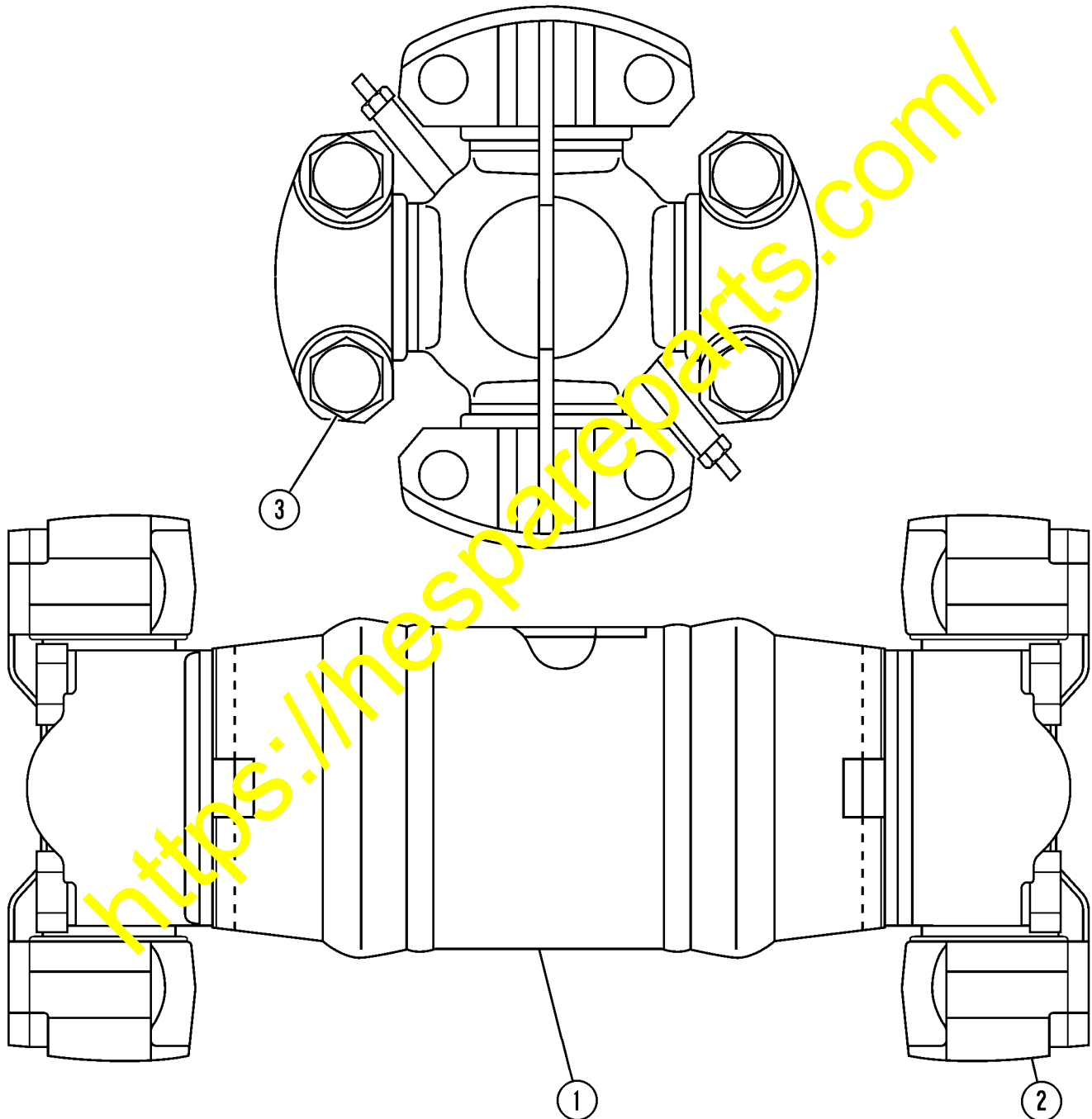


Figure 1. Universal Joint Assembly - Front

- 1. Front Propeller Shaft
- 2. Spider Assembly
- 3. Capscrews

Part Number	Qty.	Description
562-20-32000	1	Rear Propeller Shaft
562-20-32100	2	Spider Assembly (with grease fitting)
562-20-12811	8	Capscrew

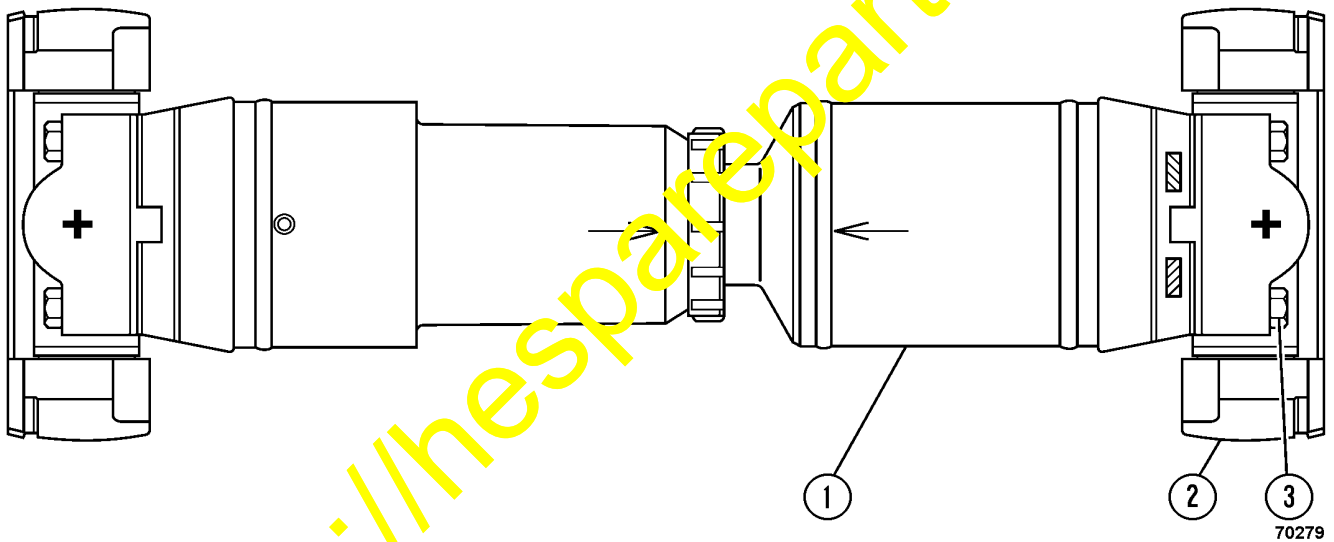


Figure 2. Universal Joint Assembly - Rear

1. Driveshaft Assembly
2. Spider Assembly
3. Capscrew

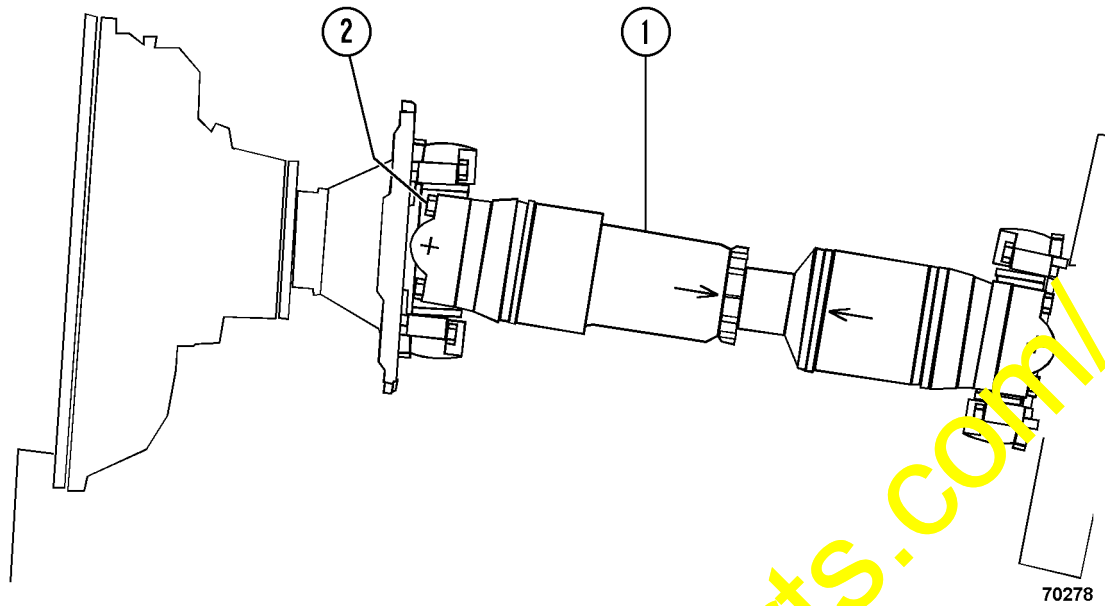


Figure 3. Universal Joint Installation - Rear
 1. Drive Assembly
 2. Capscrew

If a driveshaft assembly is removed, it is very important that all the capscrews securing it to the companion flanges or to the driveshaft be tightened to the correct value. If incorrect torque is applied, capscrew loosening or breakage may occur causing damage to flanges or splines.

If the rear driveshaft assembly is removed and disassembled, the spines of the two sections must be reassembled using the alignment arrows as shown. If arrows are not found, insure the end flanges are aligned with each other as shown.

Item No.	Figure No.	Description	Torque Value
3	Figure 1	Front Driveshaft Assembly Capscrew	324 ft lbs. (44.8 kg.m)
2	Figure 3	Rear Driveshaft Assembly Capscrew	282 ft lbs. (39 kg.m)