

INSTRUCTION SHEET

CDS 4.8 Driveshaft Lubrication Procedure

INS-46912

The purpose of this procedure is to outline the lubrication procedure for the driveshaft on the CDS 4.8. This process includes additional items in the blower drive system such as the jack shaft pillow blocks.

Interval: Lubrication for the driveline universal joints every 500 hours under normal conditions. Operating in conditions above 95° F should be done every 250 hours.

Type of Lubricant: The u-joints **MUST** be lubricated with Mobil Delvac-Xtreme Service grease. This can be purchased through your local distributor using HydraMaster part number 000-087-347. The temperature range of the grease should be -4° F to +347° F

CAUTION

This is the only grease approved for the HydraMaster driveshaft, there are no substitutions. Use of any other grease will void warranty.

WARNING

ROTATING EQUIPMENT AND HOT SURFACES

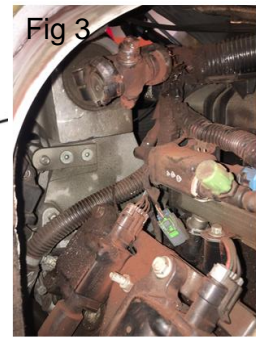
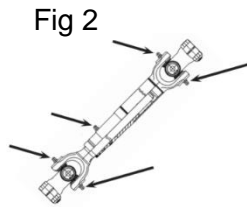
DO NOT operate equipment without all covers and guards in place. READ owners manual before operating.

Procedure

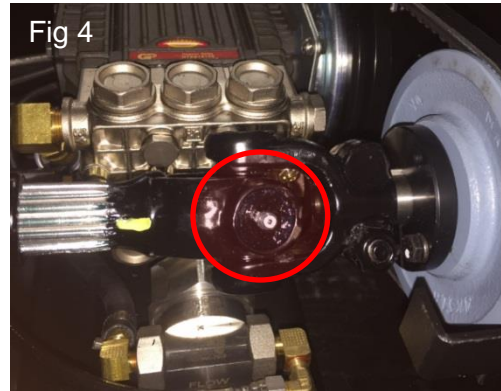
1. Turn off vehicle and CDS
2. Wear the appropriate safety equipment
3. Remove the center cover
4. Remove the engine cover (Doghouse) (Fig 1)



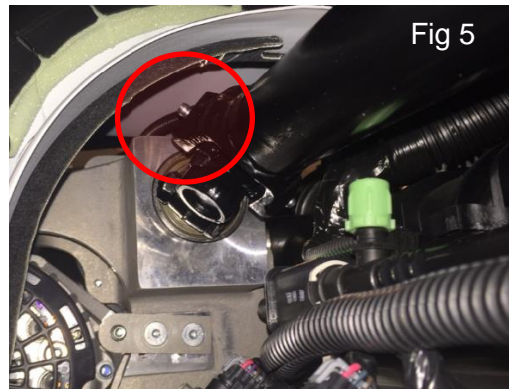
5. Locate the appropriate grease zerks for each step. There are two in on the forward U-joint, one on the spline, and 2 on the rear U-joint. (Fig 2) **Note:** If you see a red powder around the U-Joint, this is an indication of bearing degradation, due to lack of lubrication. They should be inspected for wear and replaced as necessary. (Fig 3)



6. Attach grease gun firmly to the rear zerks, it is recommended a spring loaded lock adapter that will “click” into place. (Fig 4)
7. Apply 2-3 pumps of grease into both zerks until clean grease comes out of the seals. This will flush the used grease from the bearings. Note: Flushing the u-joint of the old grease is the critical part of this process, if the contaminated grease is left in the u-joint the life of the driveshaft can be reduced.

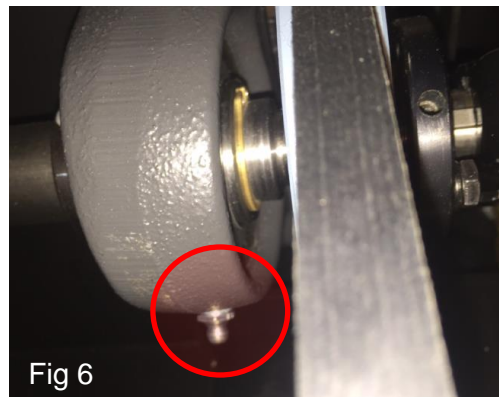


8. Wipe the excess grease from the u-joint
9. Attach the grease gun firmly to the forward driveshaft zerks (Fig 5). On a GM model, the zerks on the driveshaft is oriented to allow access from the inside of the back of the driver’s side; on a Ford model access is from the engine compartment. (see owners manual for details)



10. Repeat step 7 & 8 until all driveshaft zerks are greased.

11. Attach the grease gun to the front and rear pillow block zerks and apply 3 pumps of grease to each. (Fig 6)



11. Apply 3 pumps of grease to the spline zerk near the rear of the shaft. (Fig 7)
12. Be sure to wipe down all excess grease.
13. Replace all covers
14. Test Machine
15. Record the hours and all the items lubricated in you maintenance log.



Fig 7