CRITICAL INFORMATION

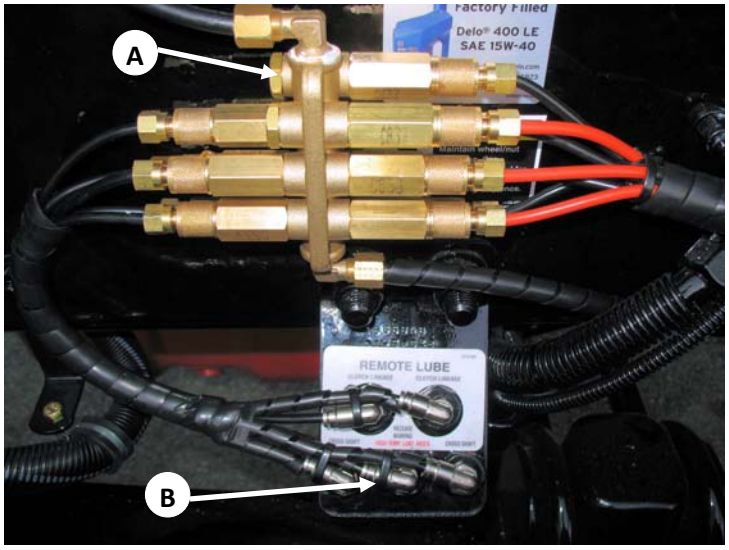
AUTOMATED LUBRICATION SYSTEM
GREASING OF THE RELEASE BEARING

Special Note:

Before installing the injector, fittings and secondary lining to supply grease to the release bearing ***, the release bearing must be pre-filled with grease prior to installation of the Release Bearing Lubrication Kit (50.650).***

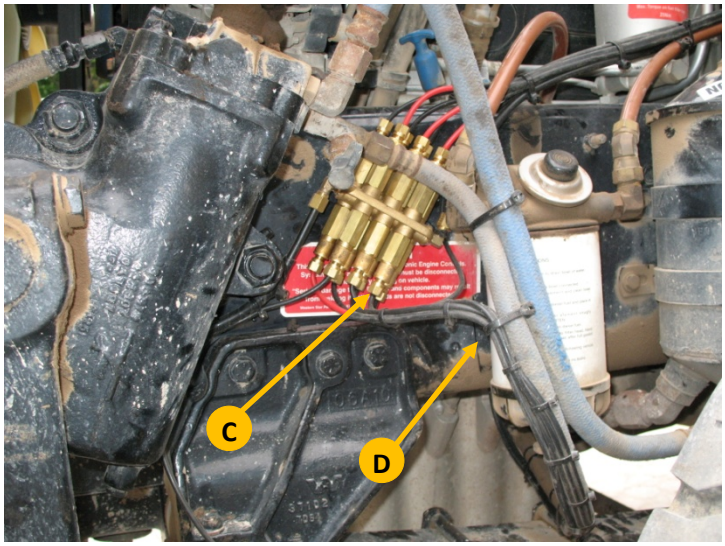
1. **Remove the inspection plate** located on the bottom of the transmission; this can usually be identified by seeing a slot or hole manufactured into the plate itself. These openings allow inspection, as well as to provide a means by which a hydraulic line or nipple can protrude and provide access to the grease Zerk located on the release bearing.
2. Using a manually operated grease gun, fill the release bearing until there is evidence that the bearing is full. **DO NOT OVER FILL THE RELEASE BEARING!!!**
3. Clean and reinstall the inspection plate before continuing with the installation of the kit.

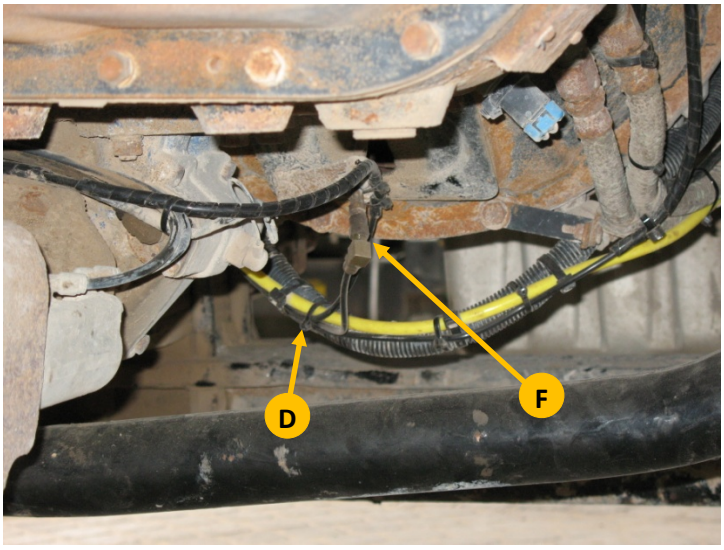
Certain manufactures provide a remote lubrication station for the transmission's five lubrication points, one of which is for the lubrication of the release bearing, located by the left front wheel, as in this picture.



Remote Mounted Release Bearing Lubrication:

1. Locate, clean and remove a brass plug from the front left wheel ALS manifold (A).
2. Insert the provided #0 Injector into the opening left by the removal of the brass plug, ensuring that no dirt or foreign material enters the ALS manifold or adheres to the base of the injector prior to installation.
3. Tighten by hand, and give a 1/4 turn clockwise using a 5/8” socket or wrench. **DO NOT OVER TIGHTEN**
4. Remove the grease Zerk from the remote lubrication station plate (B) and install the provided fitting(s).
5. Insert the 5mm secondary tubing into the injector, ensure that the tubing is pushed all the way in and using a 12mm wrench, tighten the compression nut lightly by hand till it starts getting tight. Give the nut a 1/4 turn more. Firm and carefully give a tug on the tubing. It should not move or come out.
6. Measure a length of secondary tubing and insert it into the fitting located in position (B) Perform the same compression nut tightening procedure as referenced above. Fasten the tubing to the existing lines that are present using Ty-Raps every 6”.





Transmission Mounted Release Bearing Lubrication:

1. Locate, clean and remove a brass plug from the front left wheel ALS manifold (C).
2. Insert the provided #0 Injector into the opening left by the removal of the brass plug, ensuring that no dirt or foreign material enters the ALS manifold or adheres to the base of the injector prior to installation.
3. Tighten by hand, and give a 1/4 turn clockwise using a 5/8" socket or wrench. **DO NOT OVER TIGHTEN**
4. Lead a length of 5mm secondary tubing from (C) to (F) Fastening the tubing to the existing hydraulic, lubrication and airlines lines (D) that are present within the frame rail of the truck, using Ty-Raps every 6 to 8 inches.
5. Insert the 5mm secondary tubing into the injector, (C) ensure that the tubing is pushed all the way in and using a 12mm wrench, lightly tighten the compression nut by hand till it starts getting tight. Give the nut a 1/4 turn more. Firm and carefully give a tug on the tubing. It should not come out or move.
6. Remove the grease Zerk from (F) and insert the supplied fittings to transition from the hydraulic line feeding the release bearing to the 5mm ALS secondary tubing.
7. Insert the 5mm secondary tubing into the fitting (F) and follow the same compression nut tightening procedure as previously stated above.