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Bulletin: CLIB-0015

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Bulletin Type: Service

Topic: Eaton Advantage and non-Eaton Advantage Lube Hose Assemblies

Description: With the introduction of the Eaton HD Solo Advantage clutch in the fall of 2010. The attachment of the lube hose assembly used with catapult style hydraulic clutch release systems the attachment of the lube hose assembly has changed.

Lube hose attachment for Eaton HD Solo Advantage clutch:

Clutch part numbers:

209701-XX

209708-XX

Parts required:

K-4050 – Lube hose assembly kit (includes brass fitting, lube hose and plug)

A-8173 – Hand hole cover with grommet

Recommended tools:

9/16 inch Weatherhead socket

½ inch crows foot socket

Misc hand tools

Installation process:

Step 1: Install brass fitting into grease port on left side of release bearing housing using weatherhead socket. Tighten hand tight and continue to turn until the opening of the fitting is facing toward the 6 o'clock position.

Step 2: Install lube hose into brass fitting and tighten until hand tight then turn an additional 1/6 of a turn.



Step 3: Lubricate release bearing until grease purges from release bearing housing. Use NLGI # 2 or # 3 Lithium complex grease. Reference Eaton lubrication manual TCMT0021 for specific instructions

Step 4: Install hand hole cover A-8173 with grommet positioned toward rear of hand hole opening in the clutch housing. Secure the hand hole cover with two 5/16X18X 1/2 inch long bolts.

Step 5: Insert plug into hole in the upper left side of the clutch housing where the horizontal lube hose utilized.

Note: If the lube hose assembly should need servicing it can be replaced without removal of the transmission.

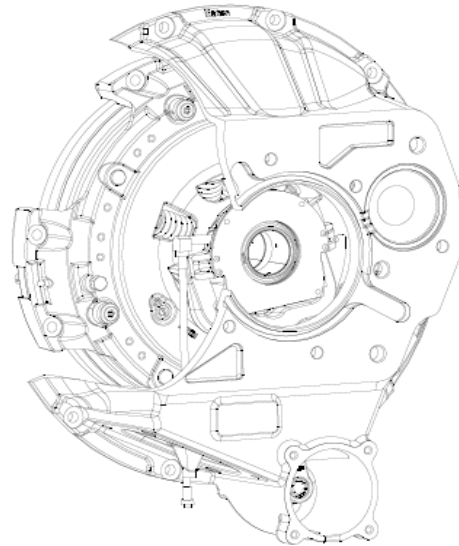


Diagram showing routing of lube hose

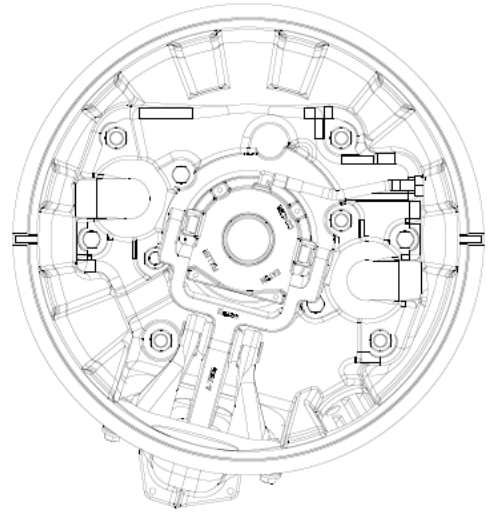
Description: Lube hose attachment for any Non-Eaton Advantage clutch used with hydraulic clutch release system will require the below components and attachment method.

Part required:

- A-7857 Lube hose kit
- 4305231 Hand hole cover

Step 1: Fitting is assembled to hose hand tight. Attach the brass fitting to the release bearing housing hand tight and turn fitting until opening of fitting is at the 9 o'clock position when facing the engine. Install the hose into fitting until hand tight and turn 1/6 turn. Refer to diagram.

Step 2: Transmission installation; remove the nuts from the brass fitting with the grease zerk. Install the transmission and insert the brass fitting through the hole in the left side of the clutch housing. Reinstall the brass nuts and tighten.



Step 3: Lubricate release bearing until grease purges from release bearing housing. Use NLGI # 2 or # 3 Lithium complex grease. Reference Eaton lubrication manual TCMT0021 for specific instructions

Step 4: Install 4305231 hand hole cover to protect the clutch from contamination.

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