

Bulletin: CLIB-0009

Date: November 29, 2008

Bulletin Type: Service



Topic: New Integral Hydraulic Clutch Release Production Release

Issue Description: We are releasing an Integral Hydraulic Clutch system for manual and AutoShift transmissions. This system replaces the currently available multi-piece hydraulic clutch release system for models using the current HD 15 ½" two plate clutches.



Affected Models/Population: The following matrix explains where the new Integral Hydraulic Clutch Release Housings are available.

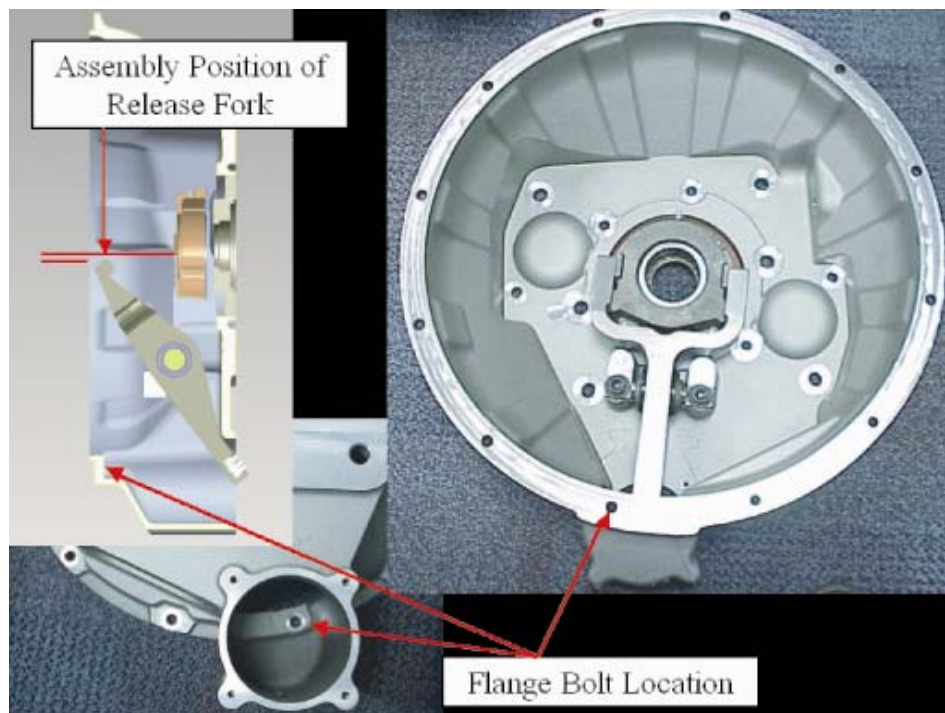
Model Series	Housing Type	SAE #1		SAE #2	
		Aluminum	Iron	Aluminum	Iron
RT-6609	Standard				
	Nodal				
Lightning Series	Standard				
	Nodal				
All other RT & FR-Series Except for FR w/ Internal Oil Cooler	Standard	A-7802 CH			
	Nodal				
	Std Forced Lube	A-7803 CH			

Blank Not Available for use with Hydraulic Clutch Release
 Uses current clutch housing with A-7414 Release Fork Assembly
 Integral Hydraulic Clutch Release System

Similar to the current design, this system will not accommodate the FR Integral Cooler. Lightning models must continue to use the A-7414 release system.

INSTALLATION EFFECTS

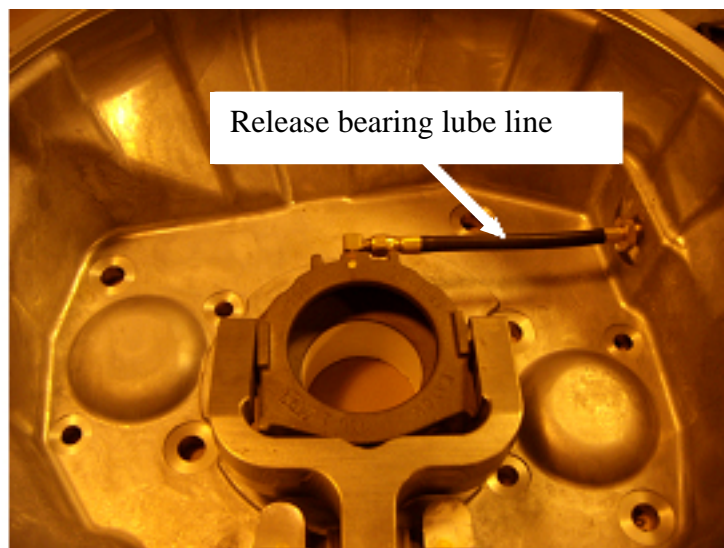
Similar to the current mechanical release systems, the integral hydraulic clutch release fork must be manually positioned to clear the release bearing (Hydraulic actuator must be removed). The integral clutch housing design has one flange bolt location inside the actuator housing mounting flange that can be easily reached with a socket and extension. The Integral Hydraulic Clutch Release System requires the current Grease Hose Assembly A-7857.



Note: Hydraulic Actuator must be removed to access flange bolt

OTHER REQUIREMENTS

The integral release fork (part number A-7786) will be serviced at the assembly level. If removal is needed the fastener retainer plates (part number 4306015) and Release fork bolts (part number X-7C-1201M) must be replaced after each removal of the release yoke. Release fork bolts must be torqued to 106 -114 lb. ft.



Clutch Requirements

It is recommended to spec the Solo clutch with Hydraulic linkage applications. If non – self adjusting clutches are used in this application it is important that clutch adjustments are maintained. Adjustment intervals should be every 20,000 miles.

When utilizing a Easy Pedal clutch with a Hydraulic Clutch actuator, the cab clutch pedal cannot be used to indicate when clutch adjustment is required. Drivers may not

notice the need for clutch adjustment and continue to drive in such condition. Lack of adjustment will eventually lead to yoke interference with the clutch cover causing extensive clutch and or transmission damage.

Warranty Information:

Warranty Parts:

- A-7786 Yoke Assembly
- 4306015 Retainer plates (2)
- X-7C-1201M Cap screws (2)

Warranty Labor:

- Lube Hose R&R .3 hours
- Yoke R&R .5 hours
- Transmission R&R per OEM SRT

Claim Coding:

- ATA Code: n/a
- Failed P/N: 4303557 / 4306011 / 4306012
- Complaint Code: Various
- Failure Code: Broken
- Responsibility Code: Vendor
- COA: OEM
- Part Return Instructions: Yes
- Notification Instructions: n/a

Warranty Coverage:

Warranty coverage for the release yoke assembly and the lube hose on Eaton Transmissions will carry the standard base transmission coverage. **No extended warranty coverage is available for these components**