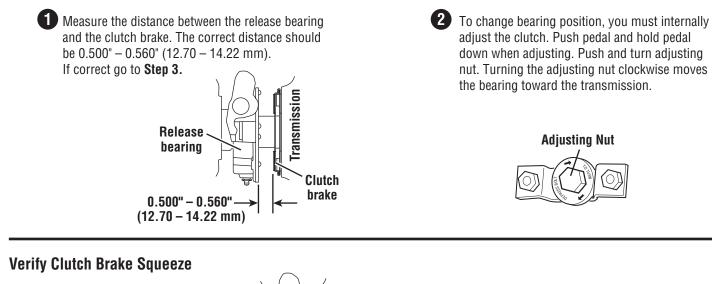
Set-up and Lubricate

Adjust Bearing Position



4 Slowly let up on the pedal and

check the pedal position at the moment the gauge can be removed.

Adjusting Nut

• If the pedal is less than 1/2" (12.7 mm) or more than 1" (25.4 mm) from the floor when the gauge can be removed, readjust the linkage. (Repeat Steps 3 and 4.)

1/2" - 1" (12.7 - 25.4 mm)

Verify Free-Play

3 Insert 0.010" (0.25 mm) feeler

Press the pedal down to

• If the gauge does not

to achieve clutch

recheck Step 3.

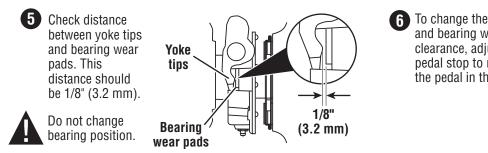
brake squeeze then

clamp, adjust linkage

clamp the gauge.

gauge between the release

bearing and the clutch brake.



Feeler

gauge

Release

bearing

Clutch

brake

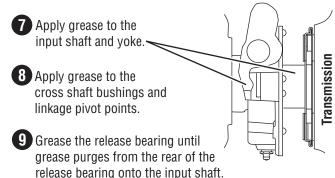
6 To change the voke finger and bearing wear pads clearance, adjust the upper pedal stop to raise or lower the pedal in the cab.



Lubricate

Important: Eaton recommends the use of Roadranger EP2 for release bearing lubrication, or an equivalent Lithium Complex , NLGI #2 or #3 grease with a NLGI LB/GC performance rating and a dropping Point temperature of 220° C (428° F) or higher. Failure to use the proper grease may affect bearing life and void the warranty coverage on your Eaton product.

Apply ample grease that visibly exits the opening and contacts the transmission shaft. This will lube the clutch brake when pedal is pressed.



Installation Procedure

Eaton 15.5" Advantage Series **Manual Adjust Clutch** CLMT1353 EN-US October 2017

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Eaton Vehicle Group P.O. Box 4103 Kalamazoo, MI 49003 USA 800-826-HELP (4357) www.eaton.com/roadranger

Measure

Measure Engine Flywheel Housing and Flywheel

Engine flywheel housing and flywheel must meet these specifications or there will be premature clutch wear. Remove old Pilot Bearing. All gauge contact surfaces must be clean and dry. Use a dial indicator and check the following:

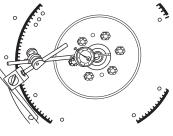
Flywheel Face Runout

Secure dial indicator base to flywheel housing face. Put gauge finger in contact with flywheel face near the outer edge. Rotate flywheel one revolution. Maximum runout is 0.008" (0.20 mm).



Pilot Bearing Bore Runout

Secure dial indicator base to flywheel housing face. Position gauge finger so that it contacts pilot bearing bore. Rotate flywheel one revolution. Maximum runout is 0.005" (0.13 mm).



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Note: Refer to CLSM0200 and CLSL1511



BACKED BY

SUPPORT

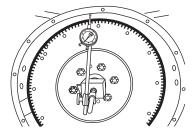
Roadranger

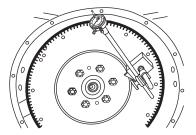
Flywheel Housing I.D. Runout

Secure dial indicator base to crankshaft. Put gauge finger against flywheel housing pilot I.D. Rotate flywheel one revolution. Maximum runout is 0.008" (0.20 mm).

Flywheel Housing Face Runout

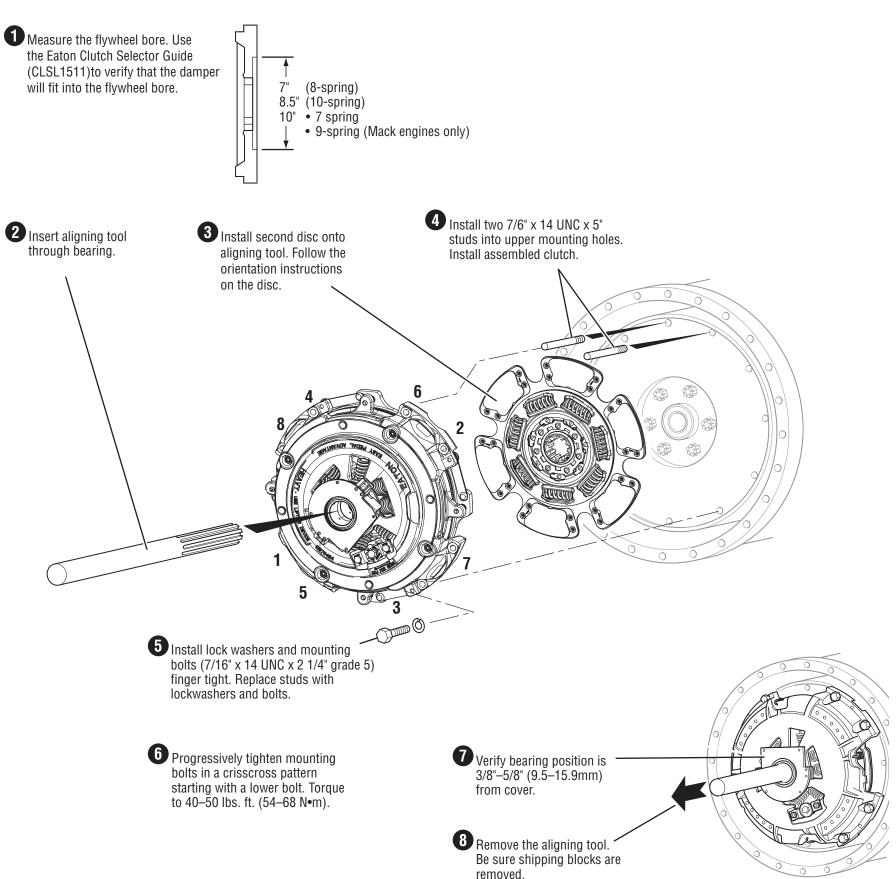
Secure dial indicator base to flywheel near the outer edge. Put gauge finger in contact with face of flywheel housing. Rotate flywheel one revolution. Maximum runout is 0.008 (0.20 mm).





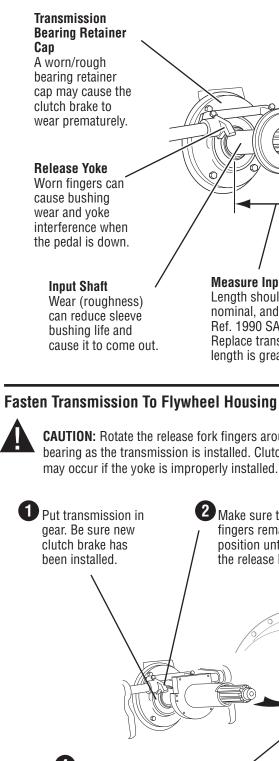
Install Clutch to Flywheel

NOTICE: Use the Eaton Clutch Selector Guide (CLSL1511) to make ensure you have the correct clutch.



WARNING: An assembled clutch weighs about 150 lbs (68 kg).

Avoid the risk of injury. Use proper equipment when lifting a clutch.



4 Mesh splines by moving transmission forward and rotating the output shaft. Do not use excessive force. Do not let the transmission hang unsupported in the discs.



Install Transmission

Check Transmission For Wear Replace any worn components.

Cross Shaft and Bushings

Excessive wear at these points can cause side loading on the sleeve bushing, bushing failures and voke bridge contact with the clutch when the pedal is down.

Input Shaft Splines

Any wear on the splines will prevent the driven discs from sliding freely, causing poor clutch release (clutch drag). Slide discs full length of shaft to check for twisted shaft splines.

Clutch Brake Replace.

Measure Input Shaft Length should be 8.657" (219.89 mm) nominal, and not greater than 8.71" (221.23 mm). Ref. 1990 SAE handbook 4:36.106. Replace transmission bearing retainer cap if length is greater than 8.71" (221.23 mm).

CAUTION: Rotate the release fork fingers around the release bearing as the transmission is installed. Clutch damage

