LS T56 Clutch Installation Kit
319-575

Installation Instructions

Congratulations on your purchase of the finest quality Clutch Installation kit available today. Please understand that these installation kits are not vehicle specific.

WORK SAFELY! Installation of this kit requires working underneath the vehicle. USE EXTREME CAUTION WHEN WORKING UNDERNEATH THE VEHICLE. Never get near or underneath the vehicle until you are confident that it is safely supported and will not move or fall from its raised position. DO NOT USE A BUMPER JACK!

PREPARATION FOR INSTALLATION:

NOTES:

- This kit will work with OE starters and MSD High Torque Starters
- Can be used with GM T56 Magnum or 1998-2002 GM LS T56 transmissions, other T56 transmissions may require shims for correct set up

CAUTION: DO NOT BEGIN THIS INSTALLATION UNTIL YOU ARE CONFIDENT THAT THE VEHICLE IS SECURE AND SAFELY SUPPORTED!

1. Place the vehicle on a solid, level surface, such as a garage floor to ensure safe installation.
2. Raise the vehicle using appropriate lifting device and support it using automotive approved support stands having adequate load capacity.
3. Disconnect the negative (–) cable from the battery.
4. Remove driveshaft, exhaust, and the transmission. Remove clutch, flywheel, HYD release bearing, and pilot bearing.
5. Remove bellhousing from transmission. It will be installed on the engine in later steps for measuring purposes.

KIT INCLUDES:

1. Flywheel
2. Flywheel Bolts
3. Clutch Kit
4. Pilot Bearing
5. HYD Release Bearing
6. Bolt Kit

INSTALLATION INSTRUCTIONS:

1. Open the flywheel and clean the rear mounting face along with the crank flange.

2. Install flywheel. Rotate until all holes line up, using the supplied flywheel bolts, and add blue Loctite® to the threads. Torque in two steps – 40 ft. lbs. and 75 ft. lbs. in a criss-cross pattern. You can hold the flywheel with a tool like Mr. Gasket 8013MRG or equivalent.

3. Clean the center bore of the crankshaft and install the pilot bearing using a deep well socket as a punch. Be sure that the socket only touches the outer edge of the pilot bearing. The bearing will install with the beveled ID to the outside (facing the installer).

4. Install the clutch using the supplied alignment tool and hardware. Add blue Loctite® to the threads of the pressure plate bolts and torque to 25 ft. lbs. in a criss-cross pattern evenly. Once complete, verify that the clutch alignment tool will slide in and out easily.

5. Install the bellhousing to the engine with the supplied hardware and tighten. Using a straight edge and calipers, measure the distance from the clutch fingers to the trans mounting surface on the bellhousing as seen in the photos on the next page. Write this measurement down as your answer for A in the measurement sheet on page 3.

6. Install the HYD release bearing on the transmission with the supplied 6mm bolts and tighten.

7. With the bearing installed over the input shaft, compress the bearing and measure the distance from the bearing face to the trans mounting surface as shown in photo B. Write this measurement down as your answer for B on the measurement sheet on page 3.

8. With the bearing in the resting position measure from the bearing face to the trans mounting surface as shown in photo C and write this down for measurement C.

9. Use the measurement sheet on page 3 to determine if your HYD release bearing will be operating within spec.

10. You are now ready to install the trans to the engine. With the trans in gear, use a yoke from a driveshaft to turn the trans output shaft, so that the splines in the clutch disk will align with the input shaft. Once aligned, the trans should go forward smoothly. Install the supplied bolts and evenly tighten the transmission to the bellhousing.

11. Torque all bellhousing bolts and the trans to bell bolts to 35 ft./lbs.

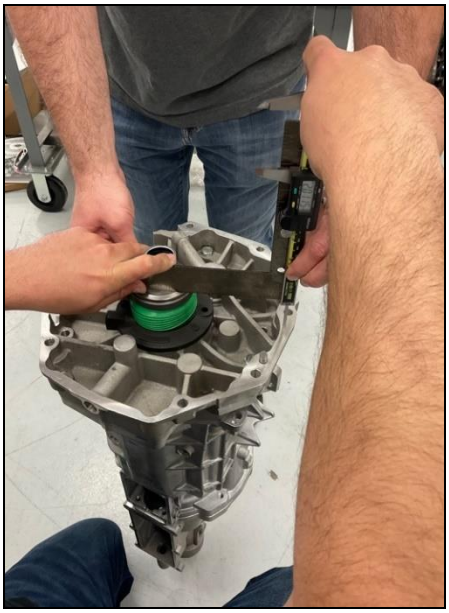
12. You are now ready to install crossmember and HYD lines to the clutch master cylinder (not included).

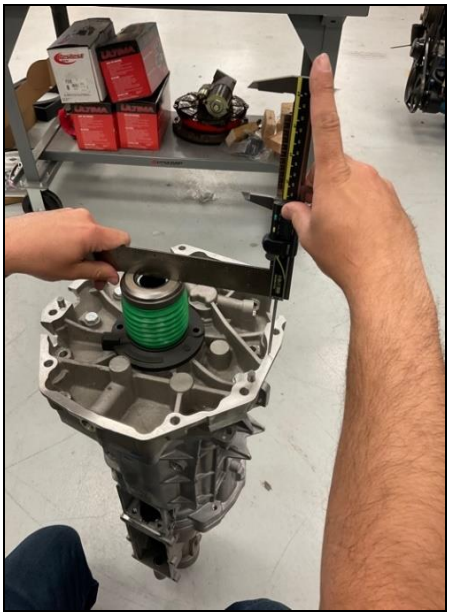
13. Fill your master cylinder reservoir with DOT 3 brake fluid and open bleeder on the HYD release bearing. Once fluid starts to flow out, close bleeder. It is important to never let the reservoir run out of fluid.

14. Have someone slowly pump the clutch pedal 5-10 times, and then hold the pedal to the floor. Open the bleeder and allow air to escape the system. Repeat this until there is only fluid coming out of the bleeder.

15. You are now ready to complete your assembly of your vehicle. Be sure to allow 500 miles of break-in for your new clutch.

A **B** **C**

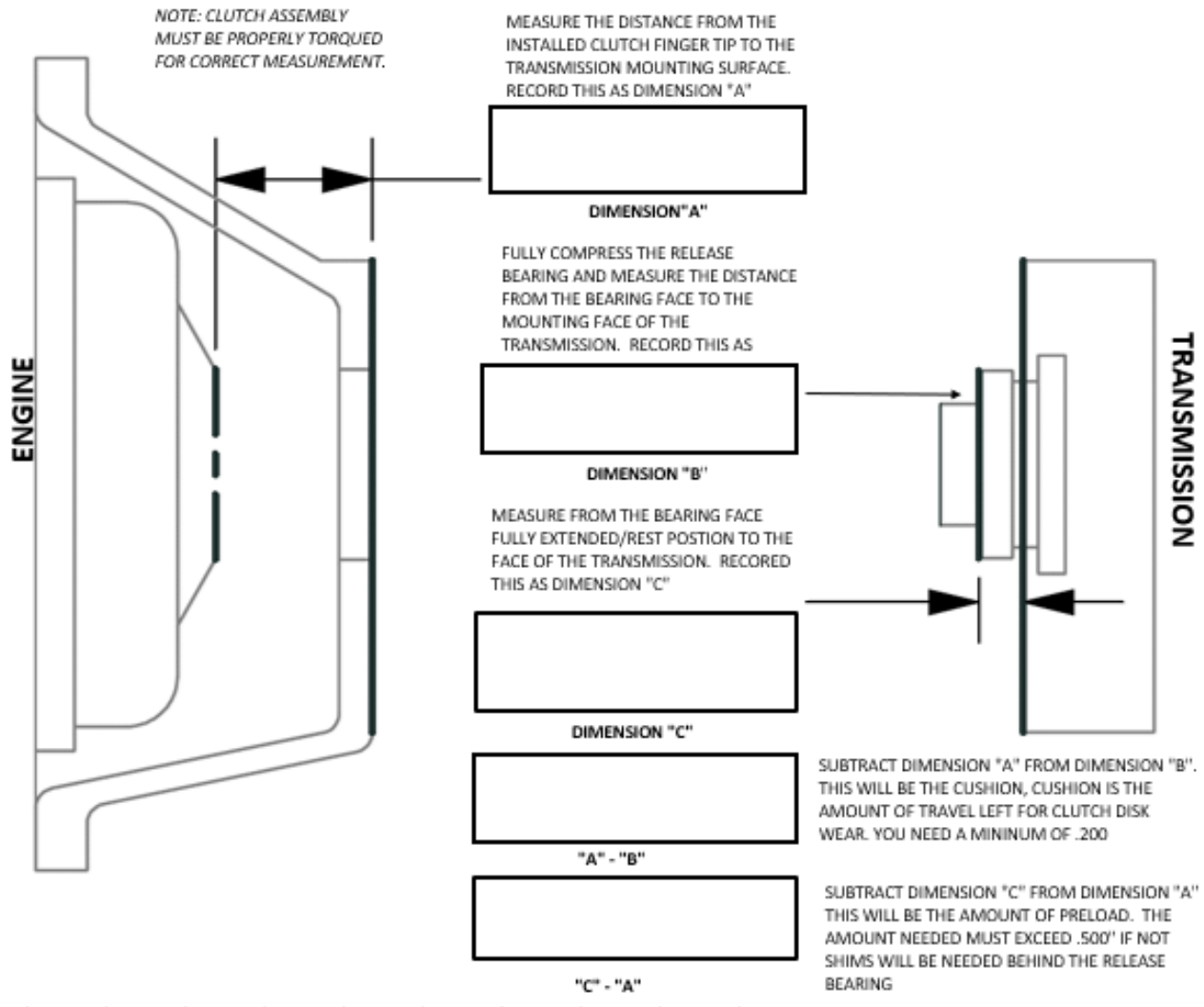




A=
B=
C=

A-B = CUSHION
C-A = PRELOAD

MEASURING METHOD



Technical Service: 1-866-464-6553
Phone: 1-270-781-9741
For online help, please refer to the Tech Service section of our website: www.holley.com

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