

Detroit Speed
Tilton Clutch Master Cylinder Adapter
P/N: 070434DS

Thank you for your purchase of the Detroit Speed Tilton Clutch Master Cylinder Adapter. This adapter will enable you to use a Tilton (or similar style) clutch master cylinder with the DSE P/N: 070424DS or P/N: 070430DS clutch master cylinder bracket (sold separately). It will locate the master in the optimum position and angle in order to function with the original clutch pedal. It may be necessary to drill a new hole in the pedal arm to attach the linkage.



NOTE: Recommended Tilton Clutch Master Cylinder P/N 75-750U or 76-750, 3/4" Bore Size.

Item	Description	Quantity
1	Tilton Clutch Master Cylinder Adapter	1
2	1/4"-20 x 1/2" L Button Head Socket Cap Screw	2
3	Clutch Master Cylinder Pushrod (LH Thread)	1
4	3/8"-24 Jam Nut, LH, SS	1
5	Clutch Master Cylinder Clevis	1
6	3/8" x 1-1/8" L Clevis Pin	1
7	7/64" Diameter x 3/4" L Cotter Pin	1
8	5/16"-18 SS Jam Nut	2
9	5/16"-18 x 1-1/4" L SS Set Screw	2
10	5/16" AN Flat Washer	2
11	Instructions	1

1. Tap the two holes in P/N: 070424DS or P/N: 070430DS bracket with a 1/4"-20 thread tap. Install the adapter to the bracket using the provided 1/4"-20 x 1/2" L button head socket cap screws using a medium strength thread locker (Loctite 242 or equivalent) on the threads (Figure 1). Torque the screws to 120 in-lbs.

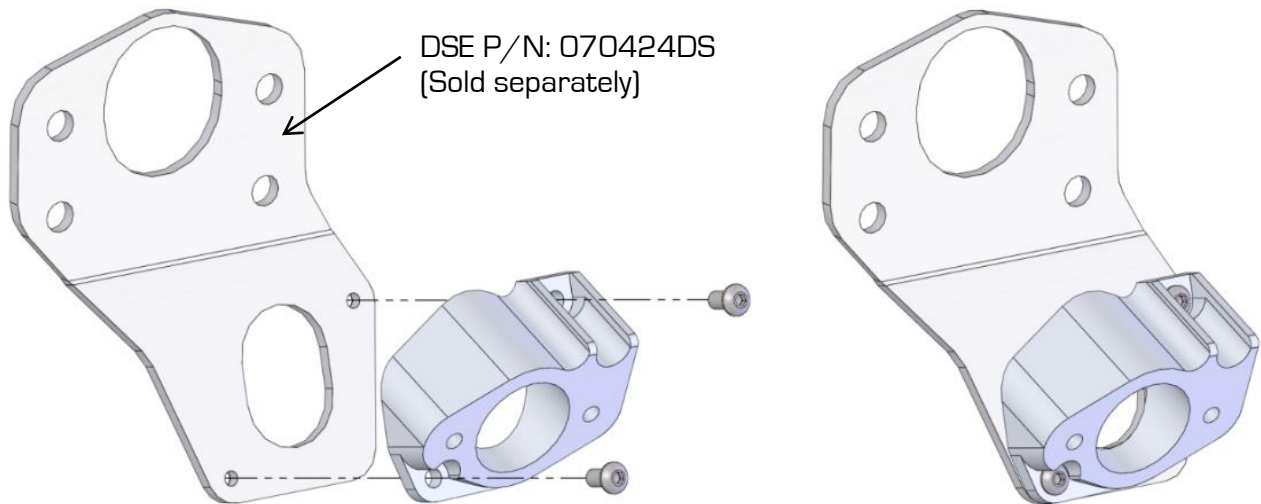


Figure 1 - Install Clutch Master Cylinder Adapter

2. Assemble the clutch master cylinder with the remote reservoir option. Attach the clutch master cylinder to the adapter with 5/16"-18 fasteners provided (Figure 2). The clutch master cylinder can be mounted with the reservoir outlet pointed to the engine or the fender (Figure 3 on the next page).



Figure 2 - Install Clutch Master Cylinder

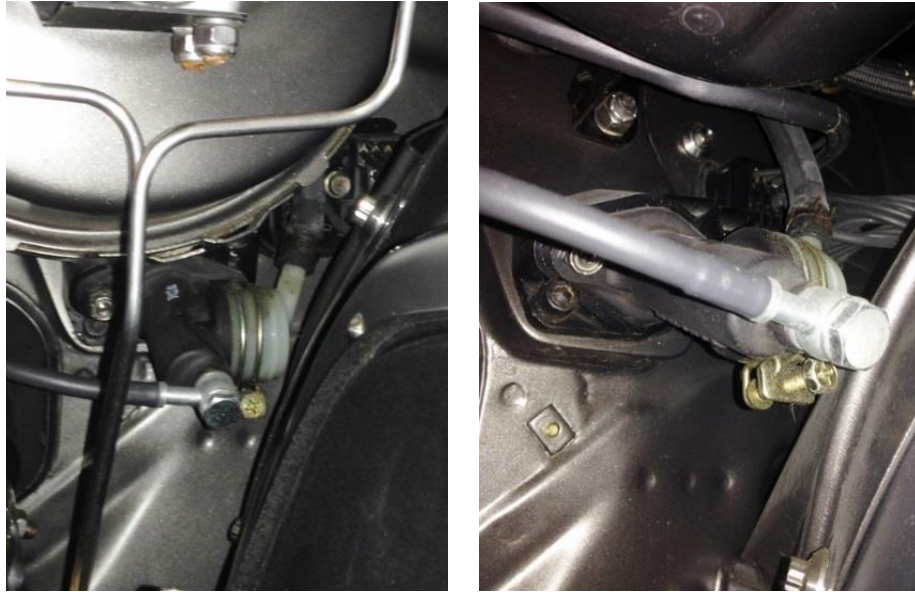


Figure 3 - Remote Reservoir Option

- Using the supplied hardware attach the push rod and clevis assembly to the clutch pedal and the clutch master cylinder. Push the clutch pedal all the way down by hand to make sure there is no interference between the clutch pedal arm and clevis. **NOTE:** When using the Tilton clutch master cylinder's listed above, it is recommended to drill a $\frac{3}{8}$ " hole, $2\frac{1}{4}$ " down from the center of the pivot point on the clutch pedal to achieve a 6:1 pedal ratio.
- Adjust the push rod length to adjust the brake pedal height to your preference. If the pushrod interferes with the pedal arm, you may need to trim the threaded end of the pushrod for the correct pedal height (Figure 4). Tighten all of the hardware on the push rod.

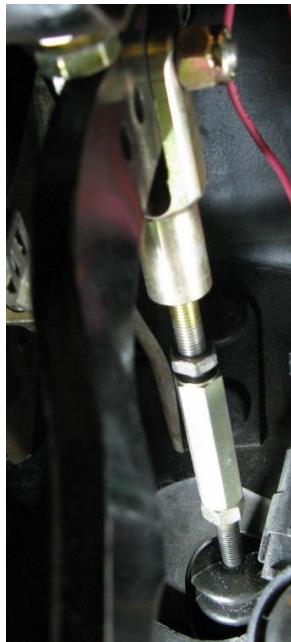


Figure 4 - Inside Vehicle

- The installation is complete at this time.

If you have any questions before or during the installation of this product, please contact Detroit Speed at tech@detroitsspeed.com or 704.662.3272

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