

Installation Instructions for 631080

Brake or Clutch Pedal Assembly

WARNING! Proper operation of your brakes is essential for your safety and the safety of others. Any brake service should be performed **ONLY** by persons experienced in the installation and proper operation of brake systems. It is the responsibility of the person installing any brake component or kit to determine the suitability of the component or kit for the particular application. After installation and before operating your vehicle, be sure to test the function of the brakes under controlled conditions. **DO NOT DRIVE WITH UNTESTED BRAKES!**

Notes: This brake or clutch pedal assembly is a swing mount style pedal for use with one forward facing master cylinder.

The pedal mount features a multi-fit bolt pattern that works with most racing & many OEM master cylinders (i.e. Wilwood, Tilton, Girling, US Brake, Howe, Coleman, JEGS, Strange, Aerospace, some Chrysler, and some GM). Use an OEM style dual in-line master cylinder for brakes, or a racing style single master cylinder for a hydraulic clutch. See the attached chart for suggested master cylinders for use with this pedal assembly.

The pedal ratio is 6.25:1 and is suitable for manual brakes in most applications. This pedal is not designed for use with a power brake booster. Order the clevis separately, since there are two sizes to fit different master cylinders. Most single master cylinders use 5/16"-24 thread on the pushrod (clevis 555-64323), and most OEM style dual in-line master cylinders use a 3/8"-24 thread (clevis 555-64324).

Safety Warning: Use a master cylinder that comes with a pushrod as part of the assembly. The pushrod is not included with this pedal assembly. Make sure the pushrod cannot come out of the master cylinder in any pedal position (i.e. pull all the way up on the pedal to confirm that it will not come out since this can be dangerous and cause a failure of the brake system).

Installation Instructions:

1. Select & purchase the master cylinder (available separately) that you want to use with your pedal assembly (see the attached chart). This pedal assembly must use a single racing style master cylinder for a hydraulic clutch, or a dual in-line master cylinder for brakes. It is recommended that you use the same size bore & type of master cylinder that is normally used with the brake system on your vehicle.
2. Select a location for the brake pedal assembly that will allow proper brake operation. There must be room on the firewall side to mount the master cylinder and clearance to operate the pedal under the dash.
3. The pedal assembly must be mounted to the firewall and dash in a manor that will be secure and won't flex when you step on the brake pedal. This is a universal fit pedal, so you may need to do some fabrication to reinforce the firewall and provide additional support under the dash.
4. Mark the firewall for drilling the center hole and the master cylinder mounting holes. The master cylinder mounting holes will be in different locations depending on the type of master cylinder you are using. Add additional support for the pedal assembly on the top (fabricate a bracket – if needed and use the existing holes on the top of the pedal bracket for additional mounting bolts). Use some of the extra holes in the bracket for extra mounting bolts through the firewall. Drill the center hole (1-5/8" diameter) and the other mounting holes for the master cylinder & pedal bracket (5/16").
5. Test fit the pedal assembly and confirm that the pedal is in the right location and that it moves freely and doesn't interfere with the steering shaft or any other components under the dash.
6. Install the master cylinder from engine compartment side of the firewall.
7. Install the clevis & lock nut onto the pushrod that is attached to the master cylinder. Make sure there is a minimum of 1/2" of thread engagement of the pushrod into the clevis. Some adjustment of the clevis length can be made by turning the pushrod or clevis. Tighten the lock nut when you have it adjusted.
8. Install the clevis pin through the pedal arm and install the "C" Clips.
9. Check pedal travel and make sure the pedal will bottom out the master cylinder before the pedal touches the floor.
10. Check to make sure the pushrod cannot fall out of the master cylinder in any pedal location (pull all the way up on the pedal to make sure it won't fall out under any circumstances). If it comes out rectify the situation before you proceed with this installation. Grease the pedal using the grease fitting to the left of the pedal arm.
11. Remove the master cylinder and bench bleed it (if required – see instructions w/ master cylinder).
12. Re-install the master cylinder.
13. Confirm that all of the mounting bolts are tight (master cylinder & pedal bracket).
14. Attach the clutch or brake line(s) to the master cylinder.
15. Bleed brakes or clutch and check for any leaks.



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16. Test brake or clutch system in a controlled safe area before using. If the pedal is spongy re-bleed the system. Never drive a vehicle with untested brakes. Confirm that the pedal assembly is firmly mounted and doesn't flex the firewall when the brakes are applied. Add additional support to the pedal assembly if needed.

Add an optional adjustable proportioning valve (available separately) to allow easy adjustment of rear brake pressure in custom applications.

Suggested Master Cylinders for Use with Pedal Assembly 555-631080

Master Cylinder Part #	Master Cylinder Supplier	Master Cylinder Bore	Pushrod Thread Size	Master Cylinder Bolt Pattern	M/C Type & Suggested Use
555-631405	JEGS	1-1/16"	3/8"-24	3.200" Horizontal	Dual In-Line / Brakes
555-631406	JEGS	1-1/8"	3/8"-24	3.200" Horizontal	Dual In-Line / Brakes
873-B3360TA	Strange	1-1/16"	3/8"-24	3.200" Horizontal	Dual In-Line / Brakes
873-B3359TA	Strange	1-1/8"	3/8"-24	3.200" Horizontal	Dual In-Line / Brakes
950-260-7563	Wilwood	1"	5/16"-24	2.25" Vertical	Dual In-Line / Brakes
950-260-4894	Wilwood	1-1/16"	3/8"-24	3.200" Horizontal	Dual In-Line / Brakes
950-260-9439	Wilwood	7/8"	3/8"-24	3.220" to 3.400" Horizontal	Dual In-Line / Brakes
950-260-9439K	Wilwood	7/8"	3/8"-24	3.220" to 3.400" Horizontal	Dual In-Line / Brakes
950-260-9439BK	Wilwood	7/8"	3/8"-24	3.220" to 3.400" Horizontal	Dual In-Line / Brakes
950-260-9439BKK	Wilwood	7/8"	3/8"-24	3.220" to 3.400" Horizontal	Dual In-Line / Brakes
Many	Chrysler	-	3/8"-24	3.200" Horizontal	Dual In-Line / Brakes
Many	GM	-	3/8"-24	3.375" Horizontal	Dual In-Line / Brakes
950-260-3372	Wilwood	5/8"	5/16"-24	2.25" Vertical	Single / Clutch
950-260-3374	Wilwood	3/4"	5/16"-24	2.25" Vertical	Single / Clutch
950-260-5920	Wilwood	13/16"	5/16"-24	2.25" Vertical	Single / Clutch
950-260-3376	Wilwood	7/8"	5/16"-24	2.25" Vertical	Single / Clutch
950-260-3378	Wilwood	1"	5/16"-24	2.25" Vertical	Single / Clutch
950-260-3380	Wilwood	1-1/8"	5/16"-24	2.25" Vertical	Single / Clutch
950-260-6087	Wilwood	5/8"	5/16"-24	2.25" Vertical	Single / Clutch
950-260-6089	Wilwood	3/4"	5/16"-24	2.25" Vertical	Single / Clutch
950-260-6764	Wilwood	3/4"	5/16"-24	2.25" Vertical	Single / Clutch
950-260-6765	Wilwood	7/8"	5/16"-24	2.25" Vertical	Single / Clutch
950-260-6766	Wilwood	1"	5/16"-24	2.25" Vertical	Single / Clutch
950-260-2636	Wilwood	5/8"	5/16"-24	2.25" Vertical	Single / Clutch
950-260-6579	Wilwood	7/10"	5/16"-24	2.25" Vertical	Single / Clutch
950-260-1304	Wilwood	3/4"	5/16"-24	2.25" Vertical	Single / Clutch
950-260-10371	Wilwood	5/8"	5/16"-24	2.25" Vertical	Single / Clutch
950-260-10372	Wilwood	3/4"	5/16"-24	2.25" Vertical	Single / Clutch
950-260-10373	Wilwood	13/16"	5/16"-24	2.25" Vertical	Single / Clutch
950-260-10374	Wilwood	7/8"	5/16"-24	2.25" Vertical	Single / Clutch
950-260-10375	Wilwood	1"	5/16"-24	2.25" Vertical	Single / Clutch
950-260-10376	Wilwood	1-1/8"	5/16"-24	2.25" Vertical	Single / Clutch
454-75-625U	Tilton	5/8"	5/16"-24	2.25" Vertical	Single / Clutch
454-75-700U	Tilton	7/10"	5/16"-24	2.25" Vertical	Single / Clutch
454-75-750U	Tilton	3/4"	5/16"-24	2.25" Vertical	Single / Clutch
454-75-812U	Tilton	13/16"	5/16"-24	2.25" Vertical	Single / Clutch
454-75-875U	Tilton	7/8"	5/16"-24	2.25" Vertical	Single / Clutch
All	US Brake	-	5/16"-24	2.25" Vertical	Single / Clutch
All	Howe	-	5/16"-24	2.25" Vertical	Single / Clutch
All	Girling	-	5/16"-24	2.25" Vertical	Single / Clutch
All	Coleman	-	5/16"-24	2.25" Vertical	Single / Clutch



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