



Factory Five Racing, Inc.

Part Number: 14792

Revision: E

Effective Date: 06/23/2014

By: J.Ingerslev

## Wilwood Pedalbox Instructions

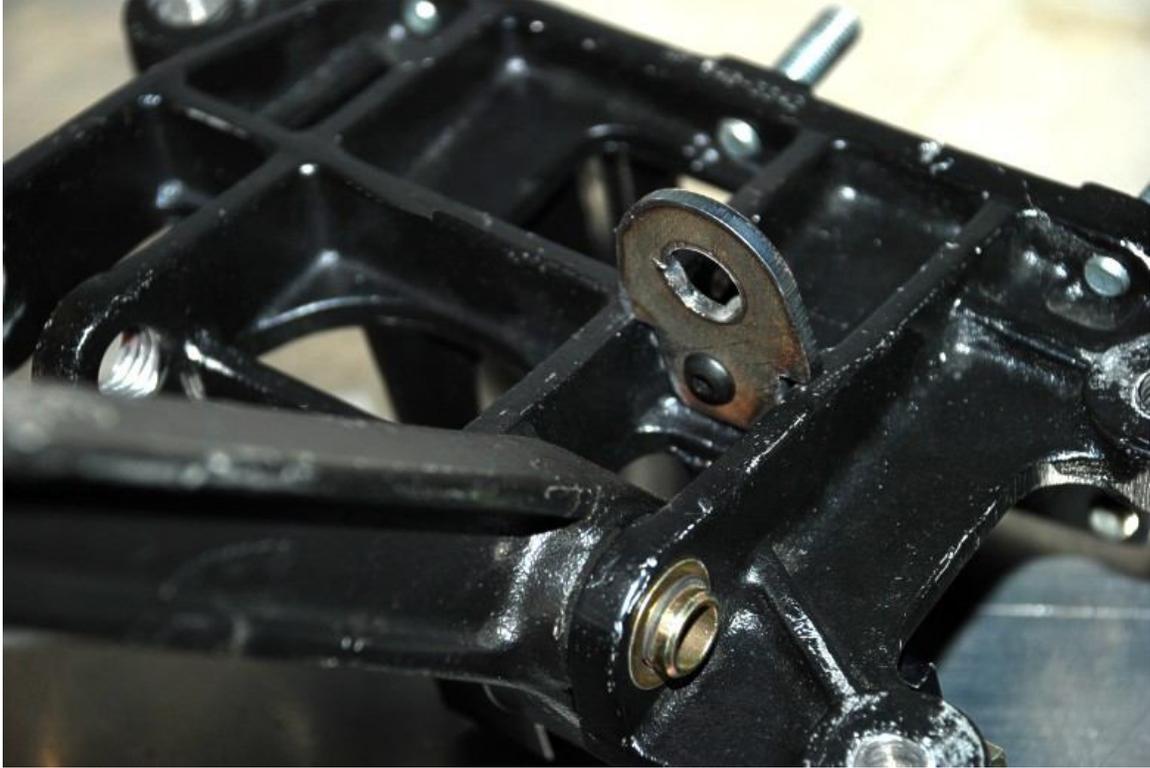
Note: This pedal box is set-up to use either a hydraulic clutch or a cable clutch. The parts and instructions required for a cable clutch installation are included in this kit.

### Pedal Box

-   $\frac{1}{2}$ " ,  $\frac{9}{16}$ " sockets,  $\frac{1}{4}$ " ,  $\frac{3}{8}$ " ,  $\frac{1}{2}$ " wrenches,  $\frac{1}{4}$ " drill bit, drill, Philips head screwdriver,  $\frac{3}{16}$ " ,  $\frac{5}{16}$ " Hex Key
-  Pedal Components, pedal box hardware.
-  This pedal box is set-up to use either a hydraulic clutch or a cable clutch. The parts and instructions required for a cable clutch installation are included below.



Unpack the pedal box assembly. Now is a good time to paint all of the bare steel brackets.



Place the brake switch mount between the brake pedal mount tabs on the side closest to the brake pedal pivot holes and drill a  $\frac{3}{16}$ " hole through the brake switch mount hole and the pedal box.



Attach the brake switch mount to the pedal box using the black #10 screw and locknut.

# Clutch Cable Quadrant

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	15608	CABLE PIVOT PLATE	1
2	15609	INSIDE QUADRANT SIDE PLATE	1
3	15610	LEFT CABLE SIDE PLATE	1
4	15611	PEDAL SPACER PLATE	1
5	15612	OUTSIDE QUADRANT SIDE PLATE	1
6	10802	NYLON INSERT LOCK-NUT	2
7	HBOLT 0.2500-20x1.25x0.75-N		2
8	HX-SHC S 0.375-1.6x1.25x1.25-N		1
9	13964	NYLON INSERT LOCK-NUT, 3/8-16 UNC	1

REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	4/15/14	

UNLESS OTHERWISE SPECIFIED:	NAME	DATE
ROADSTER	JI	10/4/13
COUPE		
HOT ROD		
USED ON		
APPLICATION		

DIMENSIONS ARE IN INCHES		TOLERANCES:	
TWO PLACE DECIMAL ±0.01		THREE PLACE DECIMAL ±0.005	
FOUR PLACE DECIMAL ±0.001			
MATERIAL	STEEL	SIZE	DWG. NO.
FINISH		A	15613
		SCALE:	1:3
		WEIGHT:	
		PRINTED	4/25/2014
		SHEET	1 OF 1

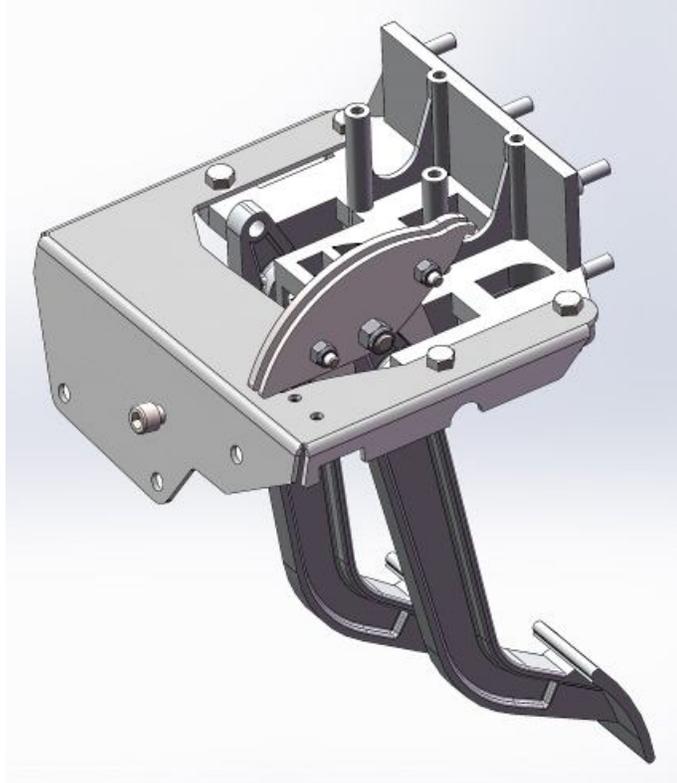
  

**FACTORY FIVE RACING, Inc.**

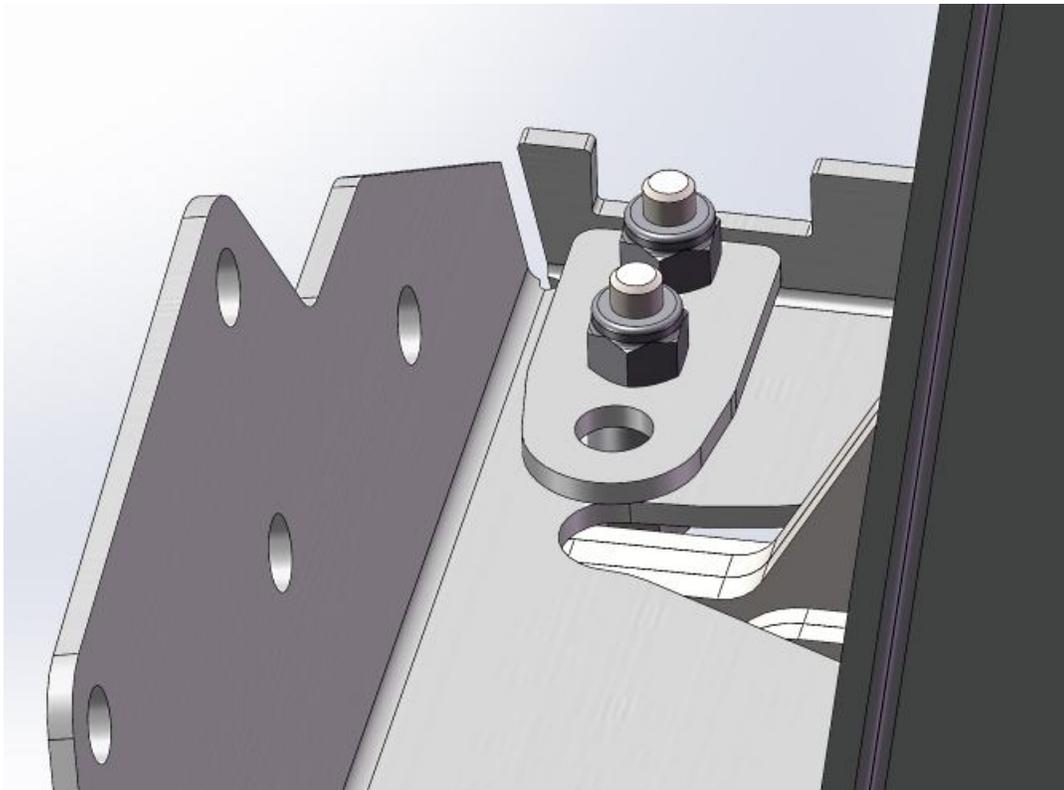
**TITLE: WILWOOD CLUTCH QUADRANT ASSEMBLY**

**REV A**

Assemble the clutch quadrant to the Wilwood clutch pedal as shown above.



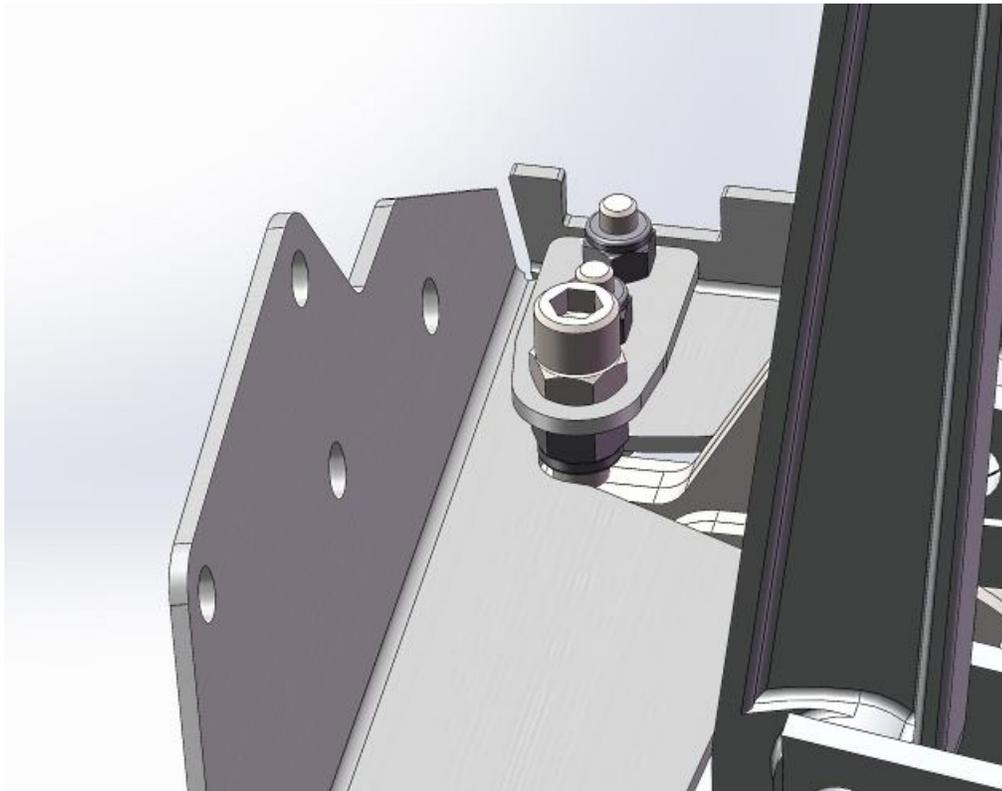
Attach the Wilwood pedals to the underside of the mounting bracket using four hex head screws and locknuts.



Attach the Clutch pedal stop mount to the bottom of the pedal box using two 1/4" socket head screws, spacers and locknuts.



Thread the jam nut onto the  $\frac{3}{8}$ "x 1.25" screw provided in the quadrant box.



From the underside, push the screw through the quadrant pedal stop mount plate and hand tighten the locknut on the screw.

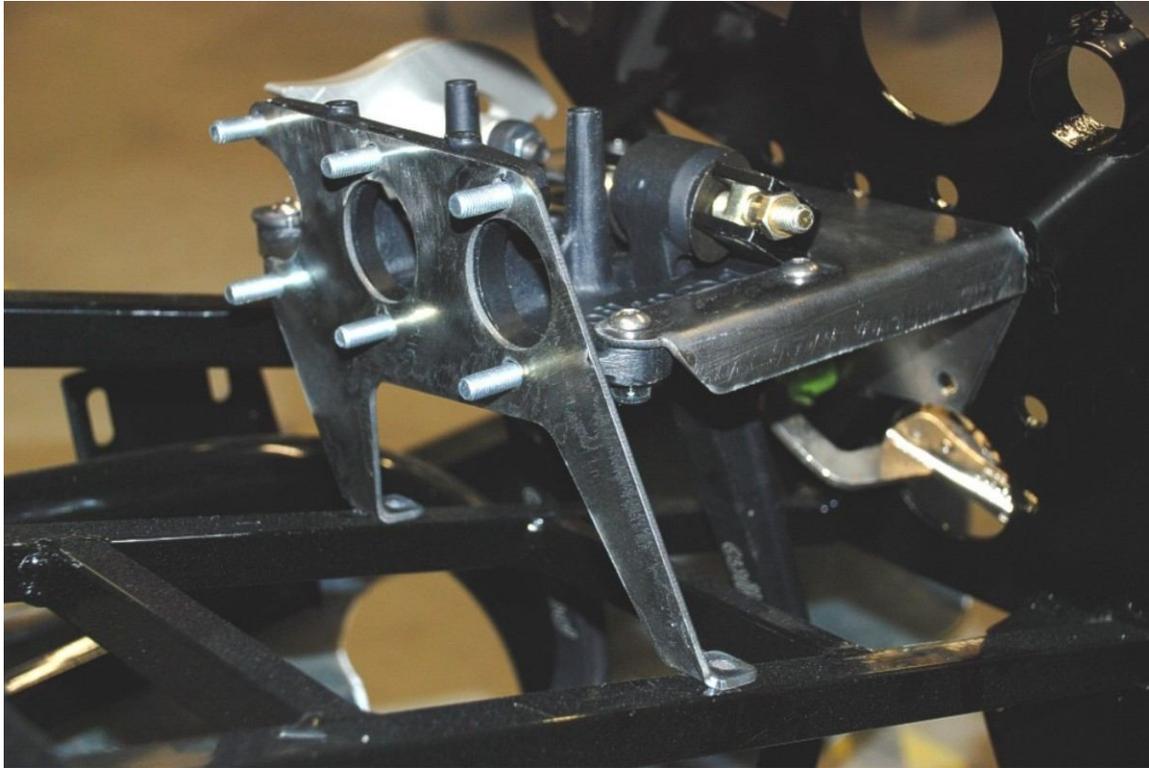
Place the pedal box assembly in the driver's footbox. Make sure that the brake pedal goes in front of the  $\frac{3}{4}$ " cross tube on the frame.



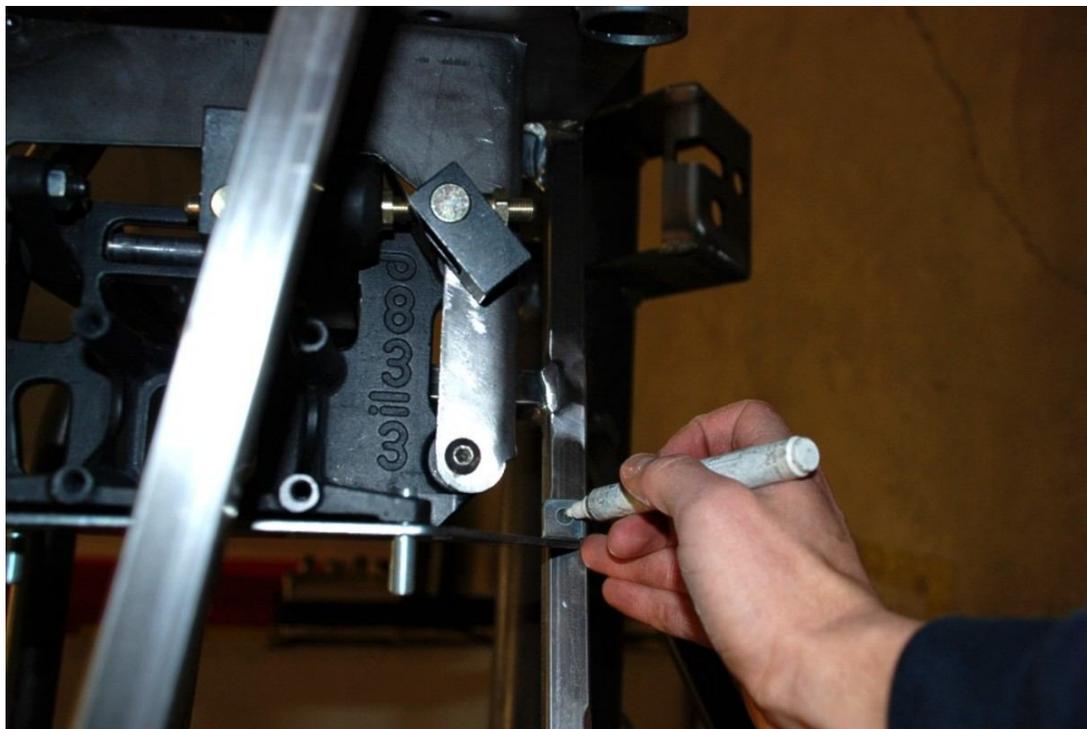
Unpack the pedal box hardware from the secondary chassis components box.



Insert three  $\frac{3}{8}$ " x 1" socket head screws from the pedal box hardware assembly and the one included in this pedal assembly through the front of the footbox and through the pedal box mount.



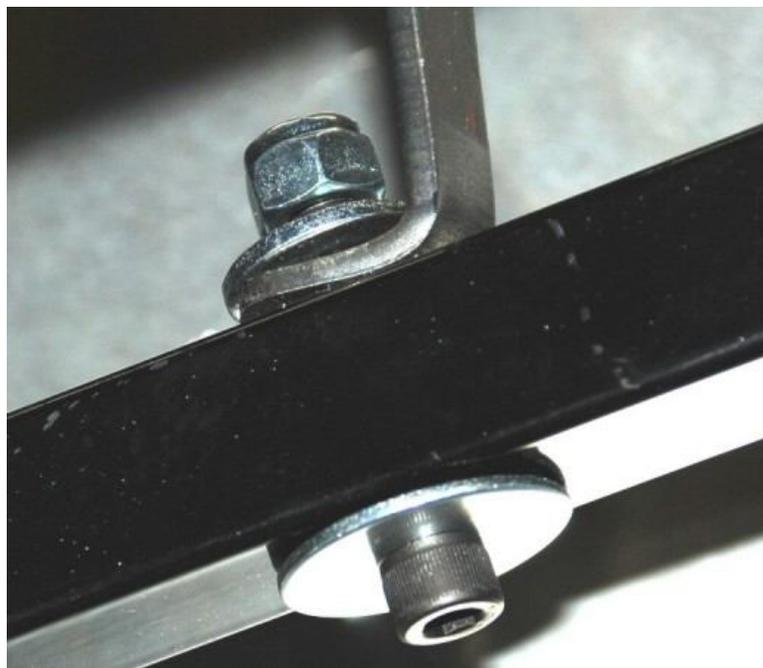
Push the rear pedal box mount onto the master cylinder mount studs and use a few of the jam nuts from the Wilwood pedal assembly to temporarily hold the rear mount in place.



Tighten two of the front  $\frac{3}{8}$ " screws then use a marker to mark the locations of the rear mount holes on the  $\frac{3}{4}$ " tubes.



Loosen the bolts and remove the pedal box assembly from the footbox then use a  $\frac{1}{4}$ " drill bit and drill to drill through the  $\frac{3}{4}$ " tubes at the locations marked for the rear mount.

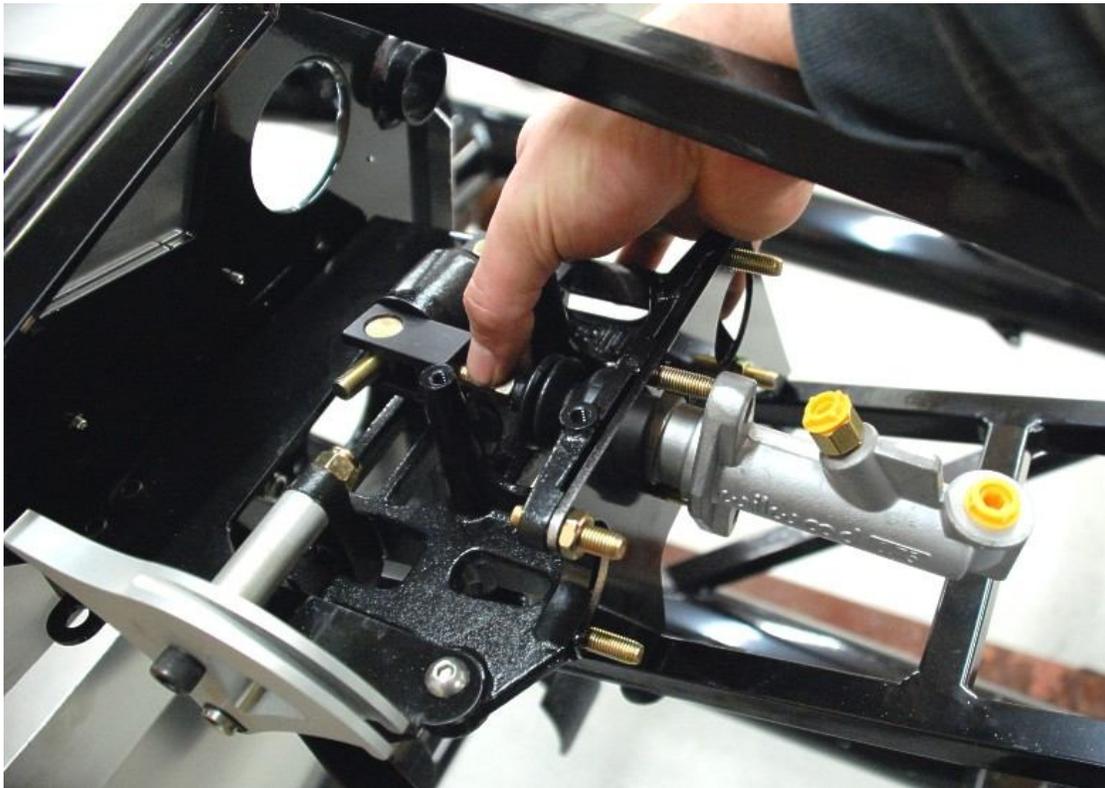


Reinstall the pedal box assembly in the driver's footbox; use the  $\frac{1}{4}$ "x 1.50" screws from the pedal box fastener assembly with a fender washer next to the head. Leave all the hardware hand tight.

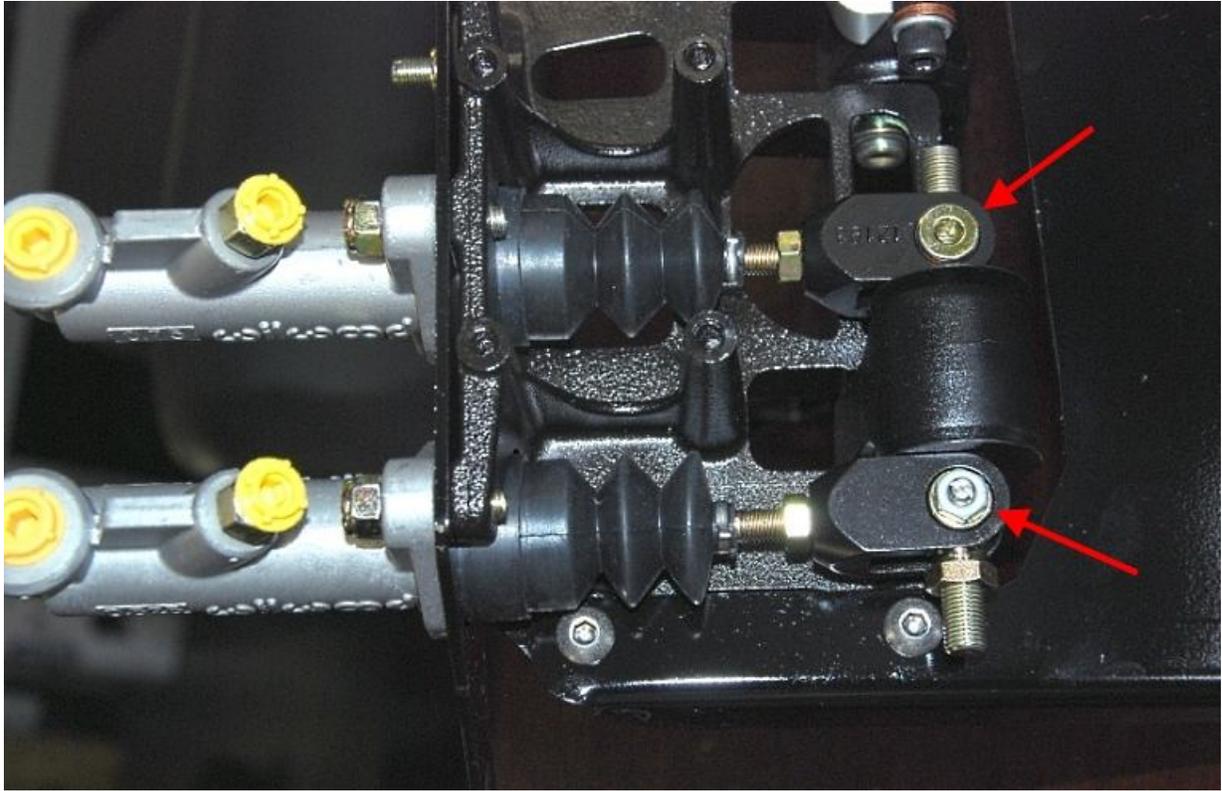
## Master Cylinders



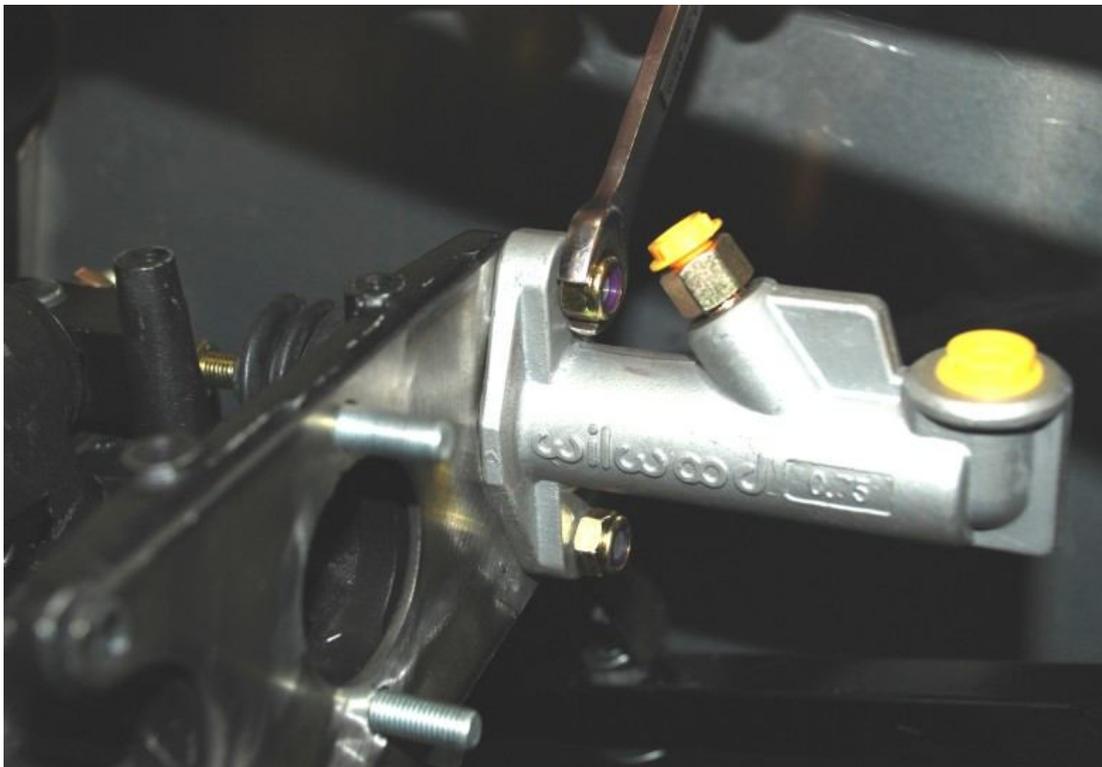
Place a jam nut from the Wilwood pedals onto each of the master cylinder threaded shafts.



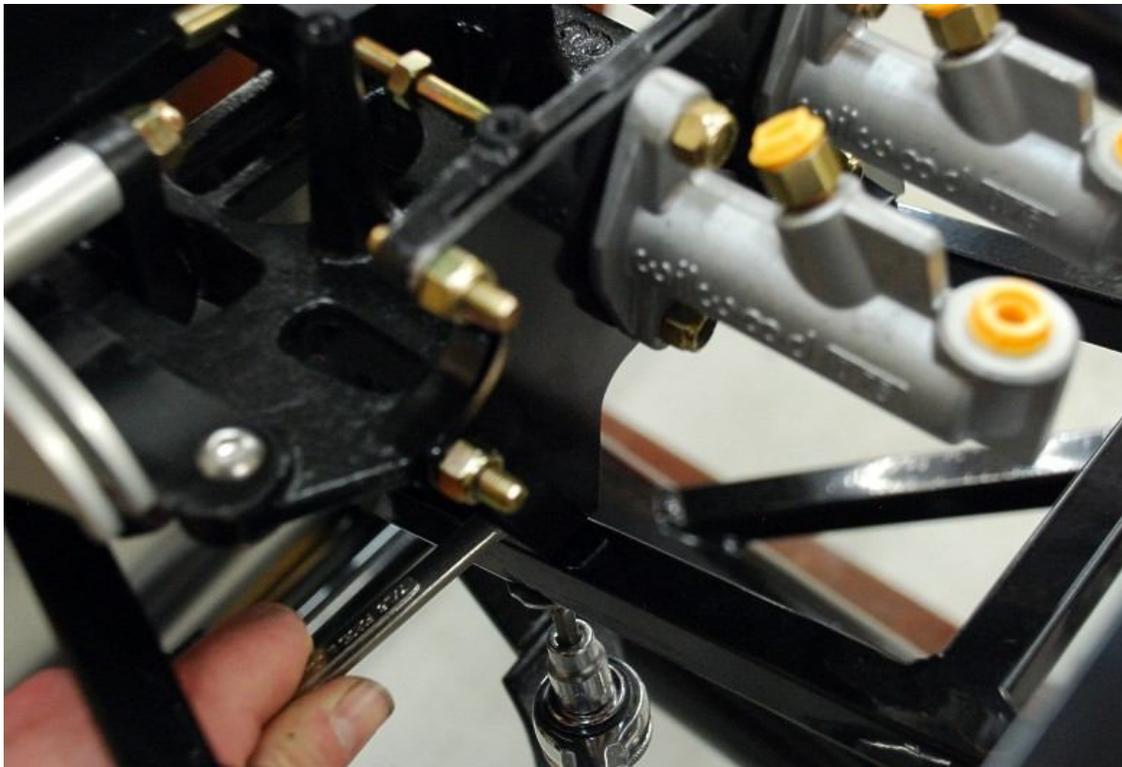
Put one of the master cylinders onto one of the brake master cylinder mounts and turn the threaded shaft into the threaded mount on the brake pedal. As a starting point, thread the shaft in until you can see it is flush on the other side of the mount.



The brake pedal master cylinder pushrod mounts are different from each other. Only one has a screw and nut. This is normal.

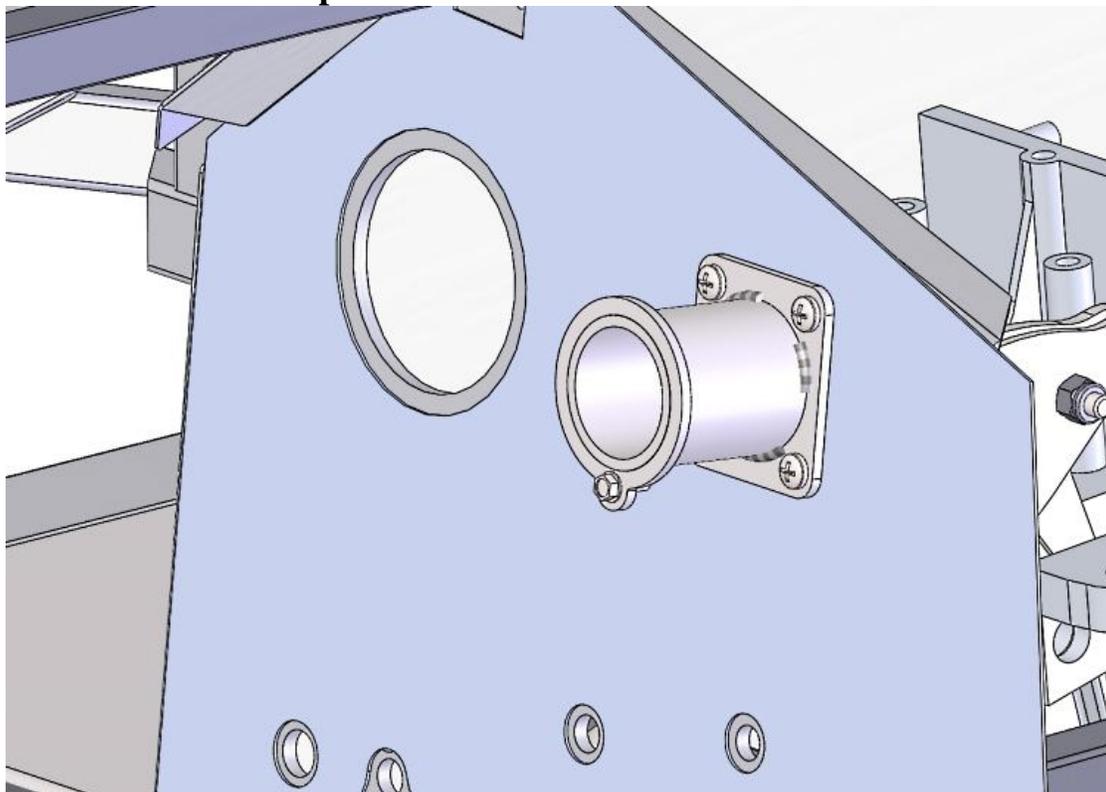


Attach and tighten the locknuts holding the master cylinder to the pedal box then repeat for the other master cylinder.



Tighten all the remaining hardware mounting the pedal box to the chassis.

### **Clutch Cable and Firewall Spacer**



Push the firewall spacer into the front of the footbox and attach to the front of the pedal box using the screws provided and a Philips head screwdriver and  $\frac{3}{8}$ " wrench.



Slide the clutch cable boss through the firewall spacer and loop the cable over the quadrant.

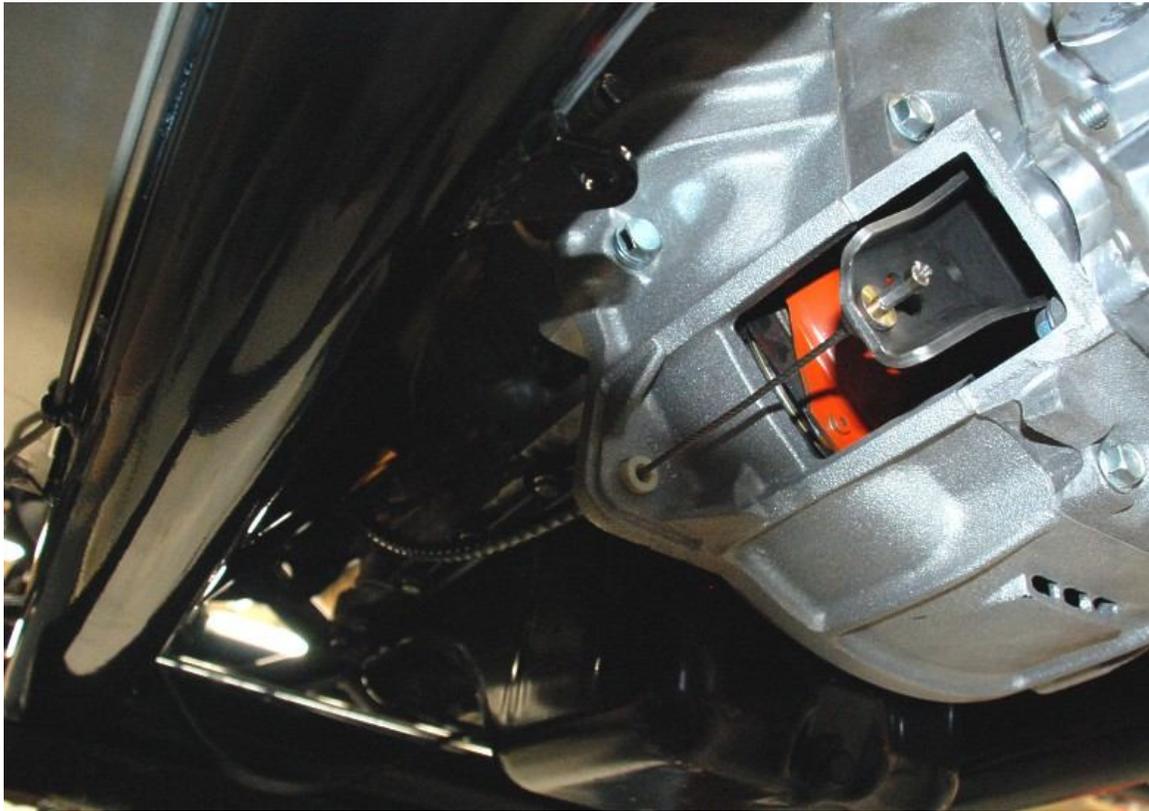
Attach the clutch cable to the firewall spacer using the small #6 screw provided and ¼" wrench.



Route the clutch cable down to the bellhousing. Using zip ties or insulated clips tie the cable safely away from the headers and the moving steering components. It can be fastened to the engine using the bracket on the cable to the front lower bolt that holds the starter cable just before it leaves the block or, to the lower engine bay ¾" tubing.



Make sure that the cable is clear of the hot exhaust header and the steering shaft or the cable may fail prematurely.



Connect the clutch cable to the bellhousing and the clutch fork.

Thread the cable end adjuster nut on so that the cable has no play in it.

Adjust the pedal closer or further away as desired by screwing the pedal stop screw up or down.

Check the full range of travel for the clutch pedal.