








Factory Five Racing, Inc.

Part Number: 14792      Revision: H      Effective Date: 08/17/2018      By: J.Ingerslev

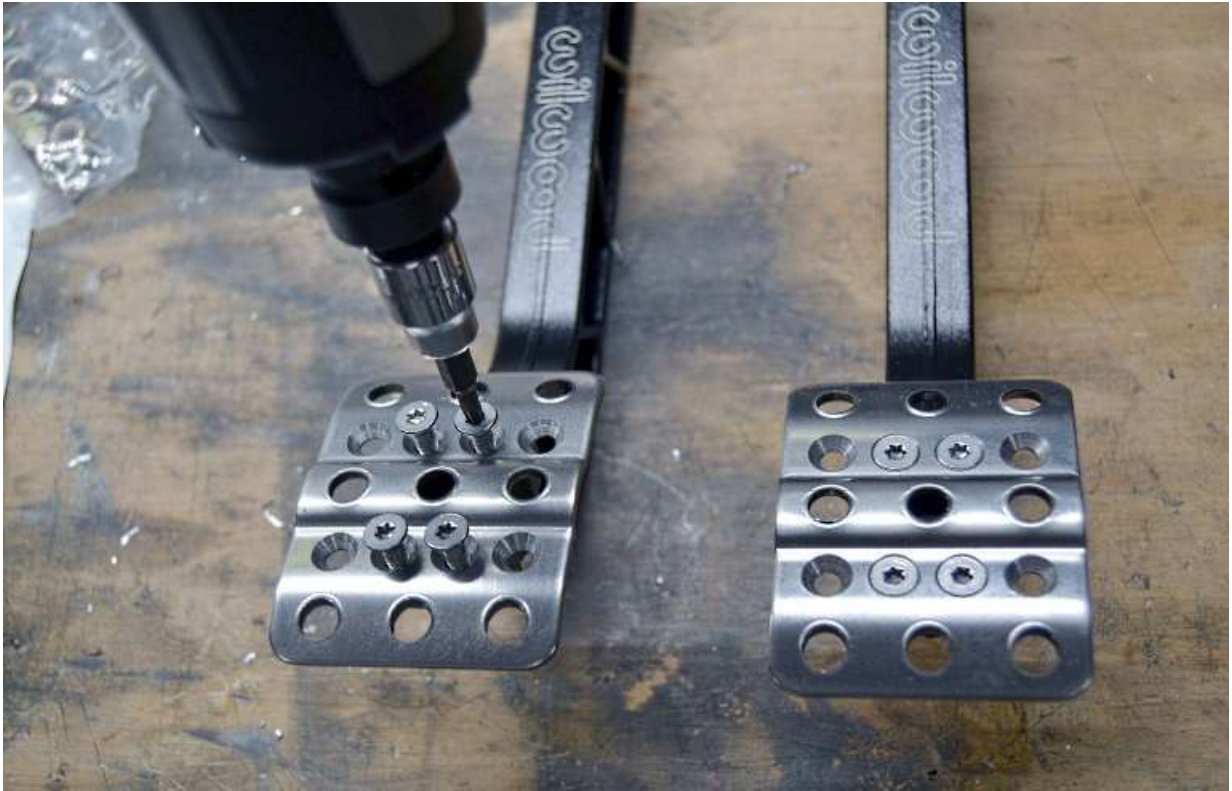
# Wilwood Pedalbox Instructions

-  1/2", 9/16" sockets, 3/8", 11/32", 1/2", 9/16" wrenches, Drill, 3/16", 1/4", 1/2" Drill bit, 1/8", 9/32", 5/16" Hex Keys, T-20 Torx bit, Hammer, Razor knife or file or grinder, snap ring pliers or two small screwdrivers.
-  Pedal Components, pedal box hardware.
-  If using an automatic transmission or a hydraulic clutch some of these steps will not apply.
-  The brake switch may look different than in the pictures.
-  The pedal box comes with two pedal switches, one for the brake lights and the other can be used as a clutch safety switch (used to prevent starting the car while in gear) if desired.

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## Pedal pads



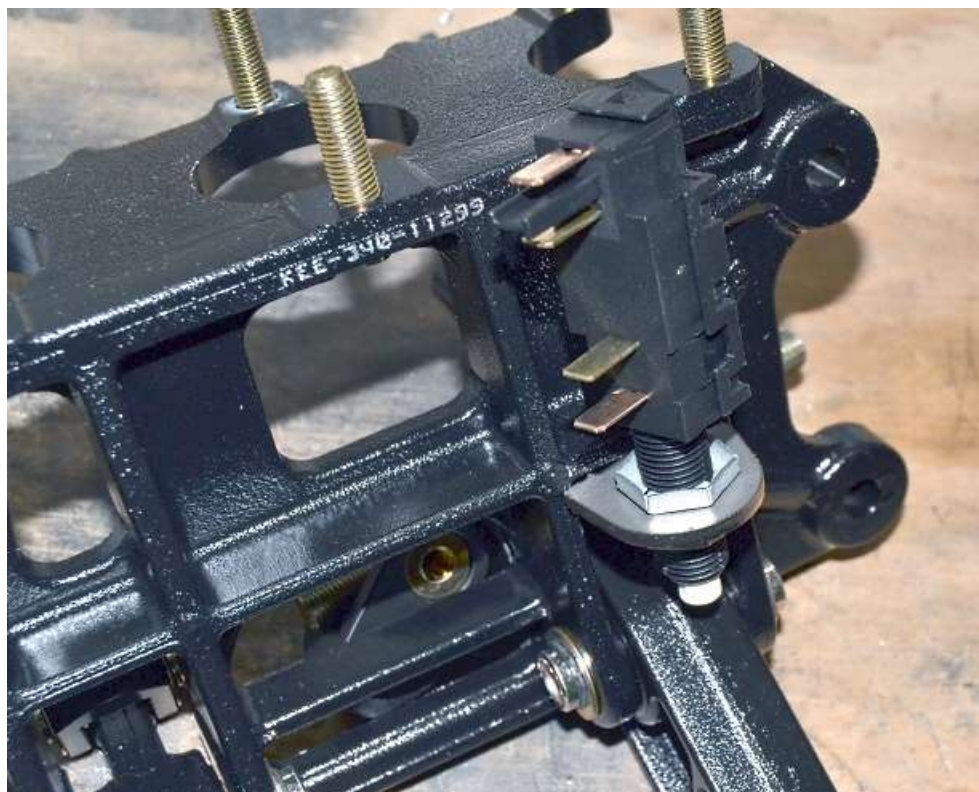
Attach the pedal pads to the pedals using a T-20 Torx bit. The pads mount holes allow the pads to be moved around if desired depending on foot room needed. Start with the pads in the middle holes. Once the seats are mounted in the car the pads can be moved or cut as needed.

## Brake switch mount



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



Connect the switch to the switch mount using a hex nut on each side of the mount bracket.

## Clutch safety switch mount



The clutch safety switch mount attaches the same way as the Brake switch mount.



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

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



Connect the switch to the switch mount using a hex nut on each side of the mount bracket.

## Clutch Cable Quadrant



If you are using an automatic remove the clutch pedal and disregard the next few steps.



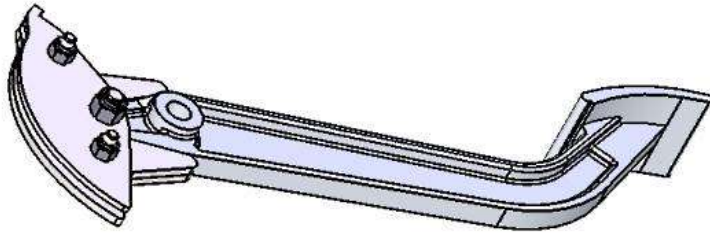
$\frac{1}{2}$ " ,  $\frac{9}{16}$ " sockets,  $\frac{1}{4}$ " ,  $\frac{3}{8}$ " ,  $\frac{1}{2}$ " wrenches,  $\frac{1}{4}$ " drill bit, drill, Philips head screwdriver,  $\frac{3}{16}$ " ,  $\frac{5}{16}$ " Hex Key, snap ring pliers



Use snap ring pliers or two small screwdrivers to remove the clevis at the top of the clutch pedal.

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

| 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 LOCKNUT             | 2    |
| 7        | H8BOLT 0.2500-20x1.25x0.75-N |                                  | 2    |
| 8        | HX-3HCS 0.375-16x1.25x1.25-N |                                  | 1    |
| 9        | 13964                        | NYLON INSERT LOCKNUT, 3/8-16 UNC | 1    |



| UNLESS OTHERWISE SPECIFIED: | NAME      | DATE         |
|-----------------------------|-----------|--------------|
| DIMENSIONS ARE IN INCHES    | JJ        | 10/4/13      |
| TOLERANCES:                 |           |              |
| TWO PLACE DECIMAL ±0.01     |           |              |
| THREE PLACE DECIMAL ±0.005  |           |              |
| FOUR PLACE DECIMAL ±0.001   |           |              |
| MATERIAL                    |           |              |
| STEEL                       |           |              |
| FINISH                      |           |              |
| USED ON                     |           |              |
| APPLICATION                 |           |              |
| PRINTED                     | 4/25/2014 |              |
| SCALE: 1:3                  | WEIGHT:   | SHEET 1 OF 1 |

**Factory Five Racing, Inc.**

**5**

**TITLE:** WILWOOD CLUTCH QUADRANT ASSEMBLY

**SIZE DWG. NO. REV**

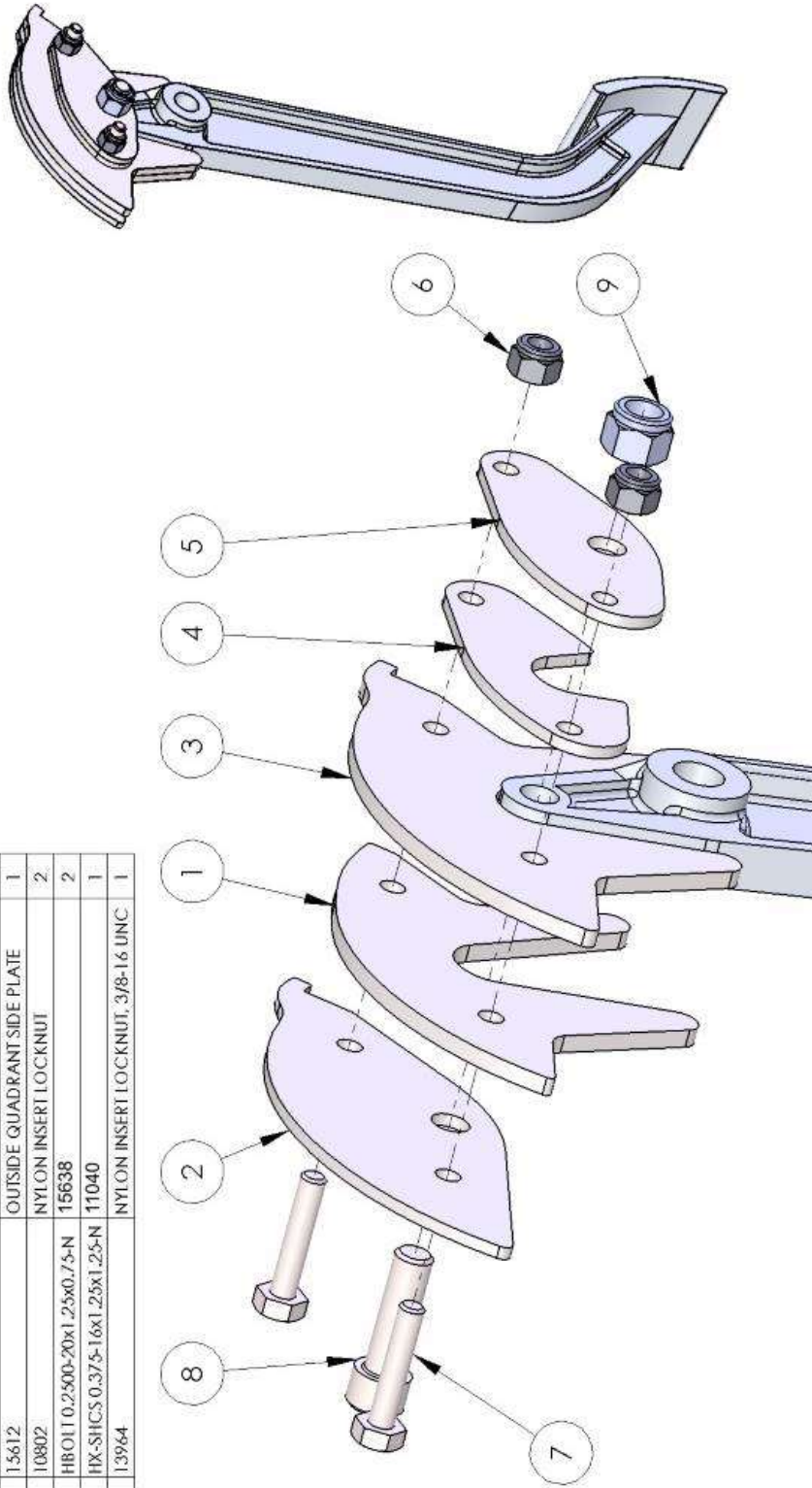
**A 15613 A**

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Quadrant assembly order for kits older than 6/21/16

| REV. | DESCRIPTION              | DATE    | APPROVED |
|------|--------------------------|---------|----------|
| A    | INITIAL RELEASE          | 4/15/14 |          |
| B    | QUADRANT PARTS REORDERED | 6/21/16 |          |

| 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 LOCKNUT              | 2    |
| 7        | HB011 0.2500-20x1.25x0.75-N 15638  |                                   | 2    |
| 8        | HX-SHCS 0.375-16x1.25x1.25-N 11040 |                                   | 1    |
| 9        | 13964                              | NYLON INSERT LOCKNUT, 3/8-16 UNC. | 1    |



| ROADSTER | COUPE | HOT ROD | USED ON | APPLICATION |
|----------|-------|---------|---------|-------------|
|          |       |         |         |             |

UNLESS OTHERWISE SPECIFIED:  
 DIMENSIONS ARE IN INCHES  
 TOLERANCES:  
 TWO PLACE DECIMAL ±0.01  
 THREE PLACE DECIMAL ±0.005  
 FOUR PLACE DECIMAL ±0.001

MATERIAL: STEEL  
 FINISH:

SCALE: 1:3 WEIGHT: SHEET 1 OF 1

**5** Factory Five Racing, Inc.

DRAWN: JJ NAME: DATE: 10/4/13

COMMENTS: KITS AFTER 6/21/16

TITLE: WILWOOD CLUTCH QUADRANT ASSEMB

SIZE DWG. NO. **A 15613** REV **B**

PRINTED: 6/21/2016

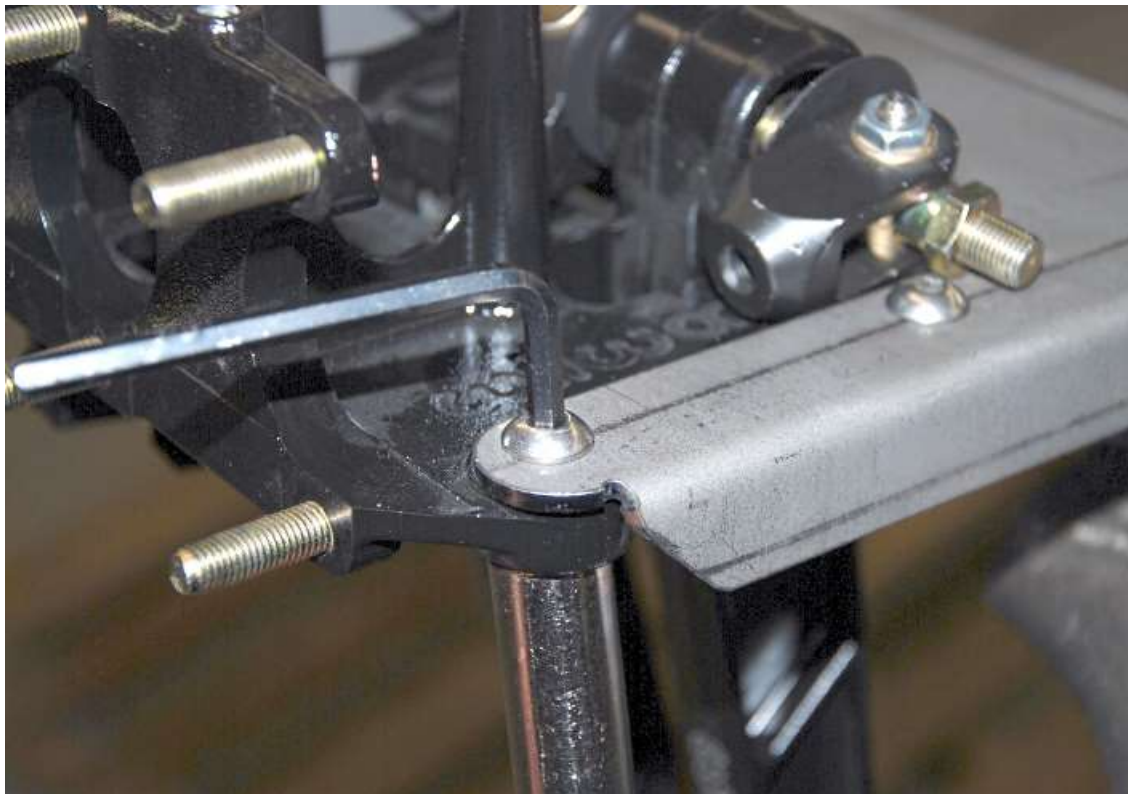
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Quadrant assembly order for kits newer than 6/21/16.

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



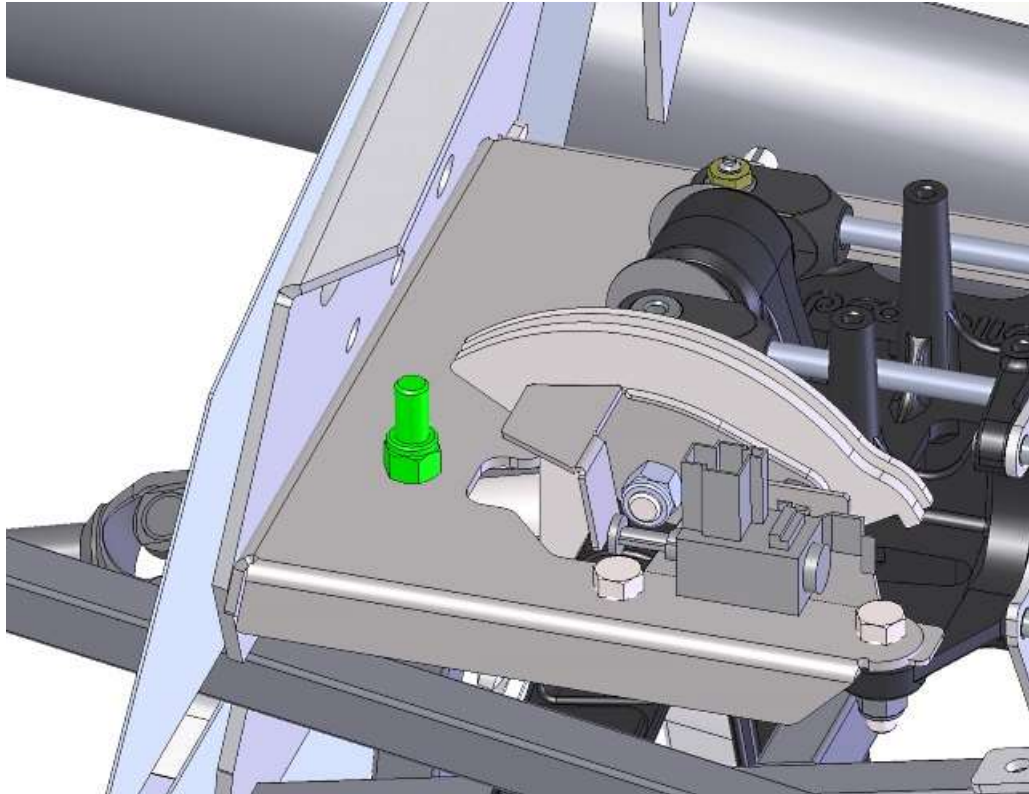
If necessary use a file to remove the forging centerline so the  $\frac{3}{8}$ " bolt can go through the clutch pedal hole.



Attach the Wilwood pedals to the underside of the mounting bracket using four  $\frac{5}{16}$ " Button head screws, locknuts,  $\frac{3}{16}$ " hex key and  $\frac{1}{2}$ " wrench.



## CLUTCH QUADRANT STOP



Install the clutch quadrant stop  $\frac{3}{8}$ "-16 x 2" screw with the jam nut on the bottom and locknut on top of the pedalbox mount.

## FRAME INSTALLATION

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.



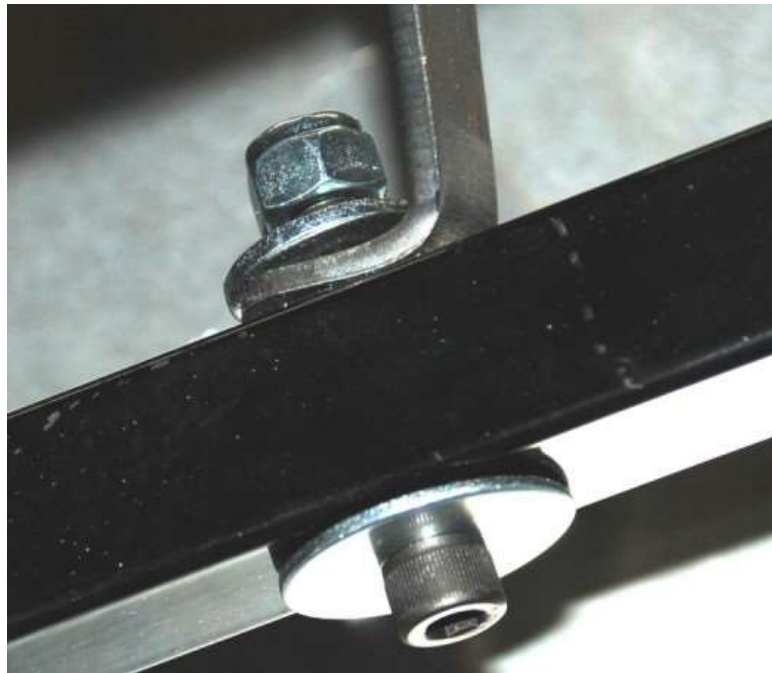
Push the rear pedal box mount onto the master cylinder mount studs and use a few of the jam nuts from the Wilwood pedal assembly to temporarily hold the rear mount in place.



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 1/4" drill bit and drill to drill through the 3/4" tubes at the locations marked for the rear mount.



Reinstall the pedal box assembly in the driver's footbox; use the 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

✂ 6mm socket, 1/2" deep socket, ratchet, 1/2" wrench, saw

10 Master cylinders



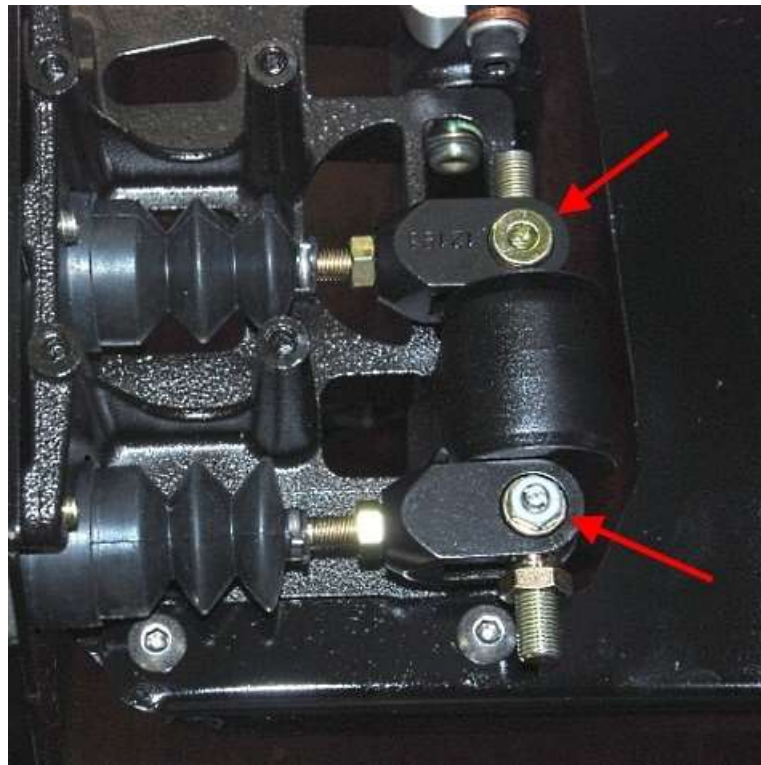
With the jam nut on the threaded shaft, cut  $\frac{5}{8}$ " off each of the master cylinders.



Screw the 90° brake line adapter into the end of the master cylinder making sure that the opening points up when tight.



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 using a 1/2" wrench and 1/2" deep socket 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.



Put the plastic angled inlet adapter with hose clamp on the master cylinders. Use a 6mm socket and ratchet to tighten the hose clamp.