



Tools Required:

T30 bit ¼" or 3/8" drive

3/16" allen socket

Ratchet

Torque wrench in lbs

4 mm allen wrench

5 mm T allen wrench

Allen wrench

10 mm wrench

5/64 or 2 mm allen wrench

Side cutter pliers

¼" drill bit

21/64" drill bit

electric hand drill

marking pen

242 Blue Loctite thread locker or similar

- **Back Road Equipment Slider Rear Rack Installation Instructions BMW GS650**

- Kit Contents:
- 1 - Slider Plate with cam lever
- 2 - stainless steel brackets
- 4 - pucks
- 4 - M8 x 35 Button Head Screws
- 4 - 1.5" diameter aluminum washer
- 4 - 6 mm flat head screws
- 6 - 6 mm nylon lock nuts
- 2 - round aluminum short spacers
- 2 - round aluminum long spacers
- 2 - cable ends
- 1 - seat release cable
- 1 - Lever knob
- 1 - Loop clamp
- 1 -Spring
- 1 - cable clamp
- 4 - M6 socket head cap screws
- 1 - cable block
- 2 set screws
- 2 - nylon washers
- 1 - plastic cap
- 1 - plastic cap base
- 1 - stainless steel Cable bracket
- 1 - stainless steel security plate
- 2 - M6 x 25 flat head screw
- 4 - 6 mm id washers
- 1 - ¼ -20 button head screw
- 1 - o-ring

**Do not exceed the OEMs  
recommendation for weight on the  
rear rack of the motorcycle!!**

Do not over fill the top box, overfilling  
can flex the panels of a plastic box and  
cause the slider system to stick!



**Step 1 Remove the 4 grab handle screws.**

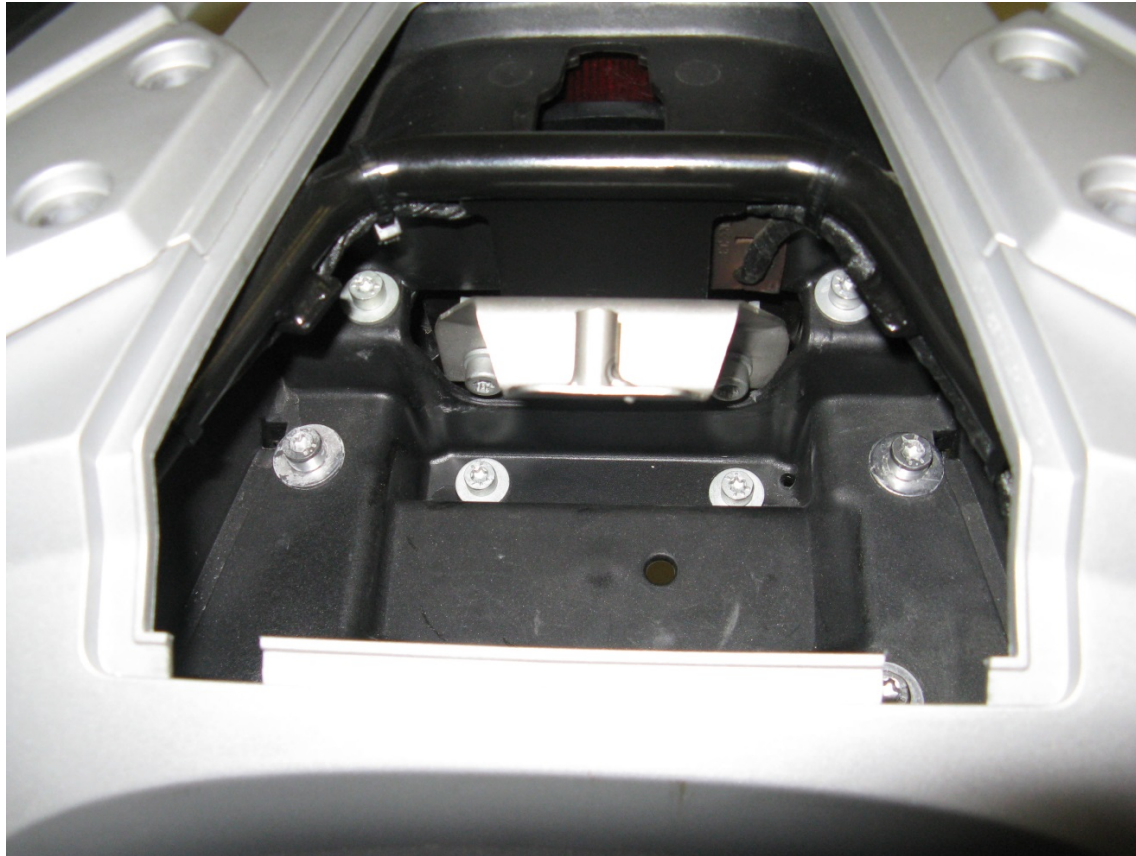
These screws will not be used to install the rack. Save these screws in case you ever want to remove the rack from the motorcycle.



**Step 2 Remove the trunk cover then remove the 2 M6 torx head screws shown.**

These screws will be re-used in the next step.





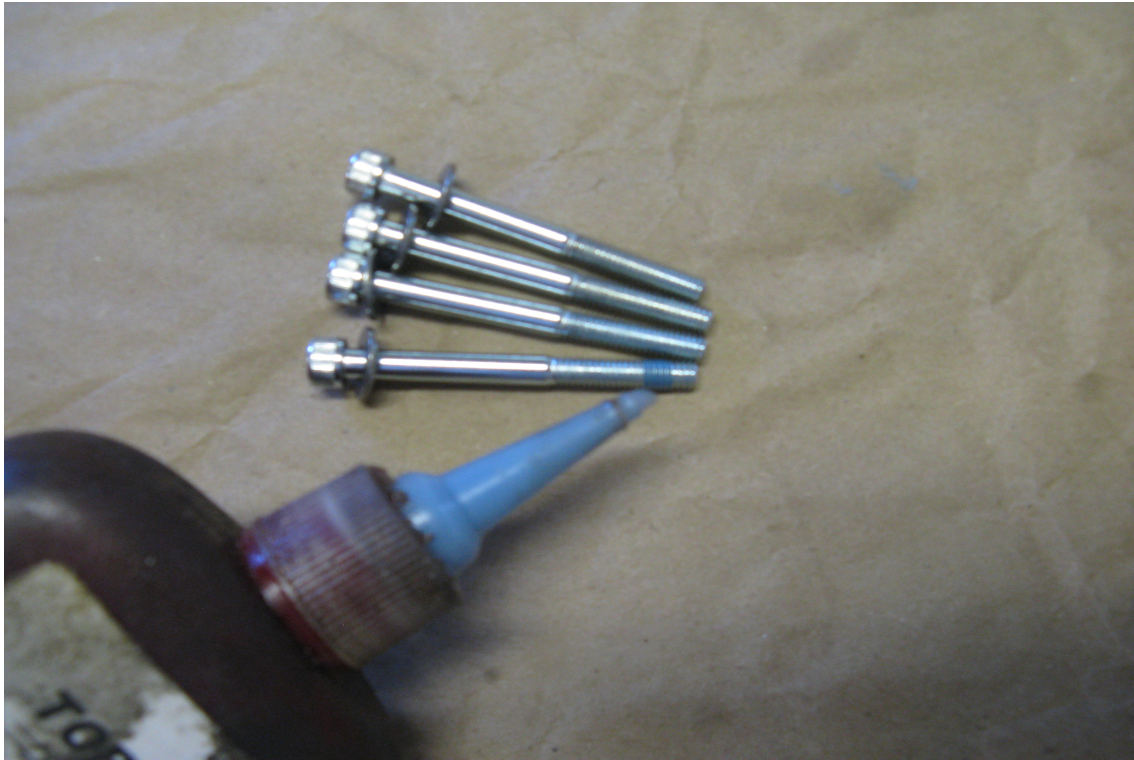
**Step 3 Install stainless steel cable bracket as shown.**

Use the original screws. Tighten to original specification. Make certain the bracket is seated against the steel frame work and not the plastic inner trunk.



**Step 4 Install the aluminum spacers on grab handles.**

Long spacers go towards the front of the bike, large diameter facing upwards.



**Step 5 Install the four 6mm washers on the M6 x 60 socket head screws. Apply thread locker to the screws.**



**Step 6 Install the 2 stainless steel brackets with four 6mm x 60 (5 mm head) socket head screws. Note: The bracket with the inner hole closest to the edge is located toward the front of the bike.**

Do not tighten the screws at this time. Allow the brackets to slightly wiggle from side to side.



**Step 7 Install the bare plate at this time using the four M6 x 16 flat head screws and M6 lock nuts.**

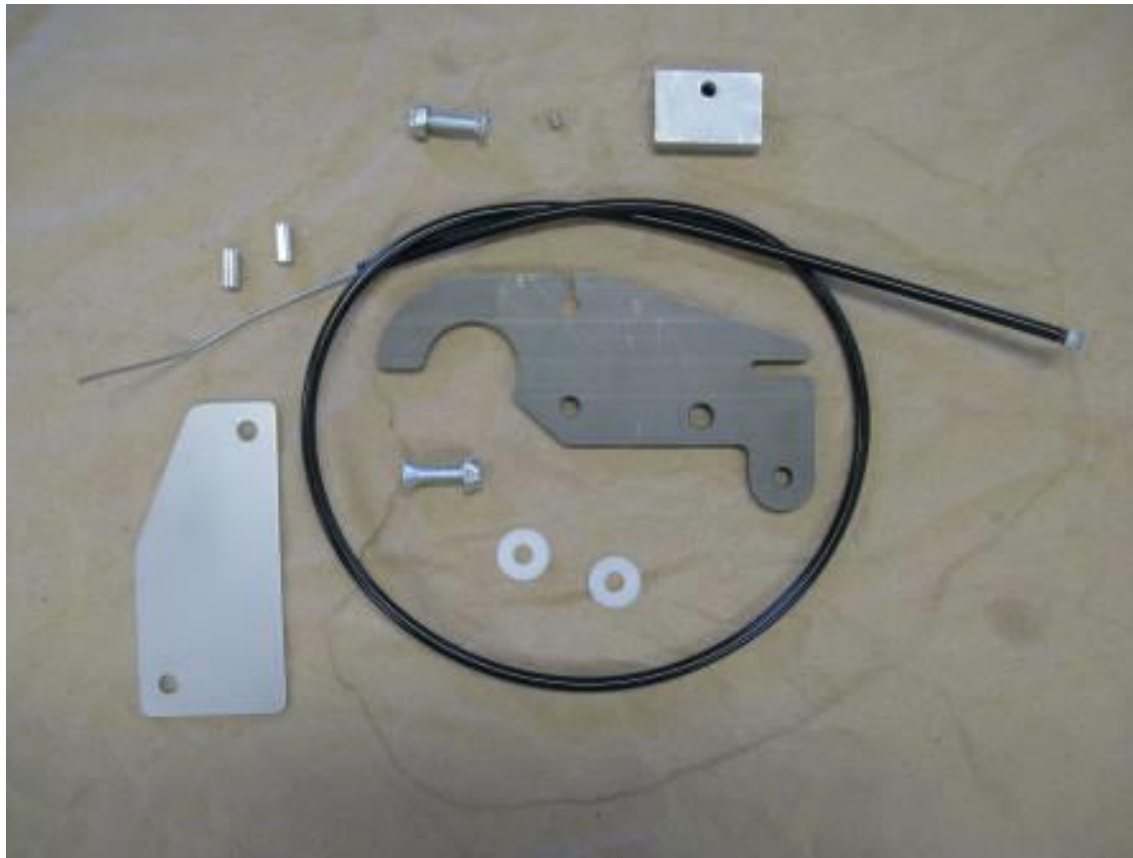




**Step 8 Torque the 4 stainless steel bracket cap screws to 100 in. lbs. Use the front keyholes and access holes to reach the screw heads as shown.**



**Step 9 Remove the rack from the stainless steel brackets.**



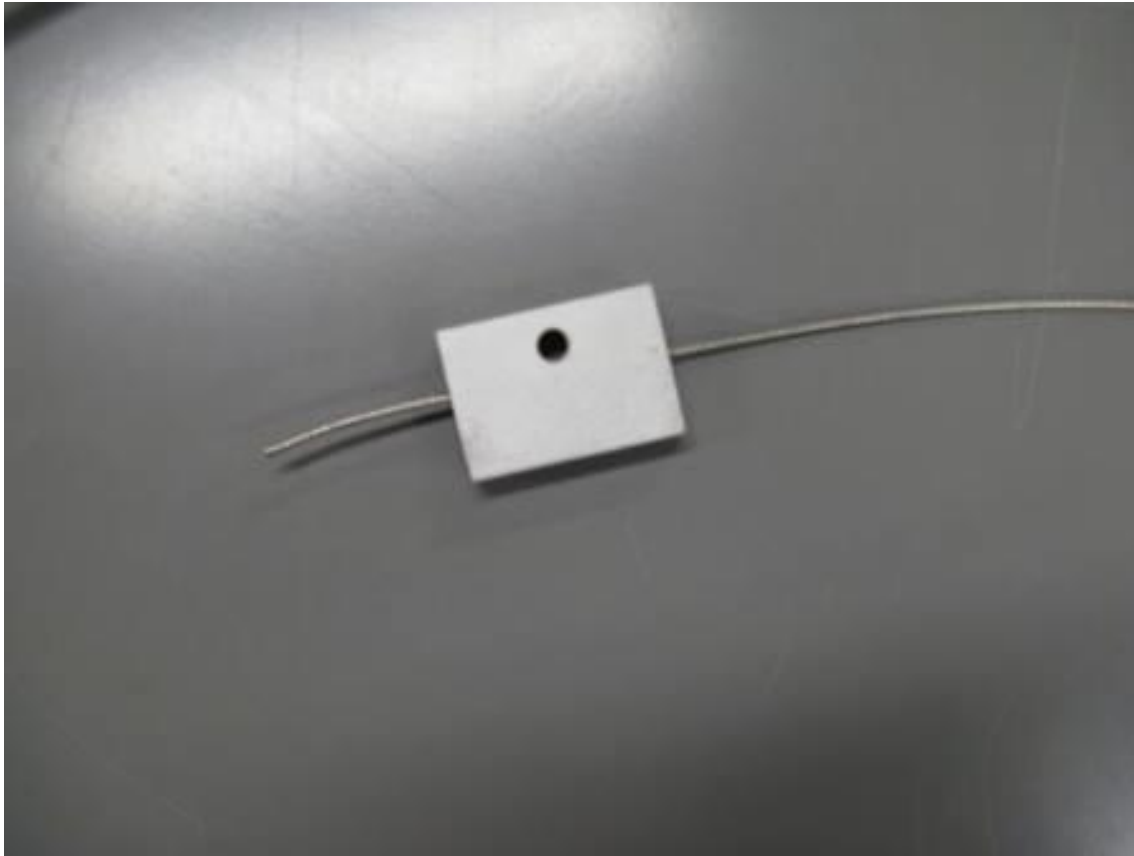
### **Step 10 Locate the parts in the photo.**

Cable sheath, inner cable, cable sheath ends, 2 M6 x 25mm flat head screws, 2 M6 lock nuts, nylon washers, cam lever, cable block, cable set screw, cable security plate.





**Step 11 Remove the inner cable from the cable sheath.  
Install the aluminum ends on the sheath as shown.**



**Step 12 Insert cable into cable block.**

The cable block has a hole through the length of it. This hole is stepped in diameter. Insert the cable in the small diameter first.



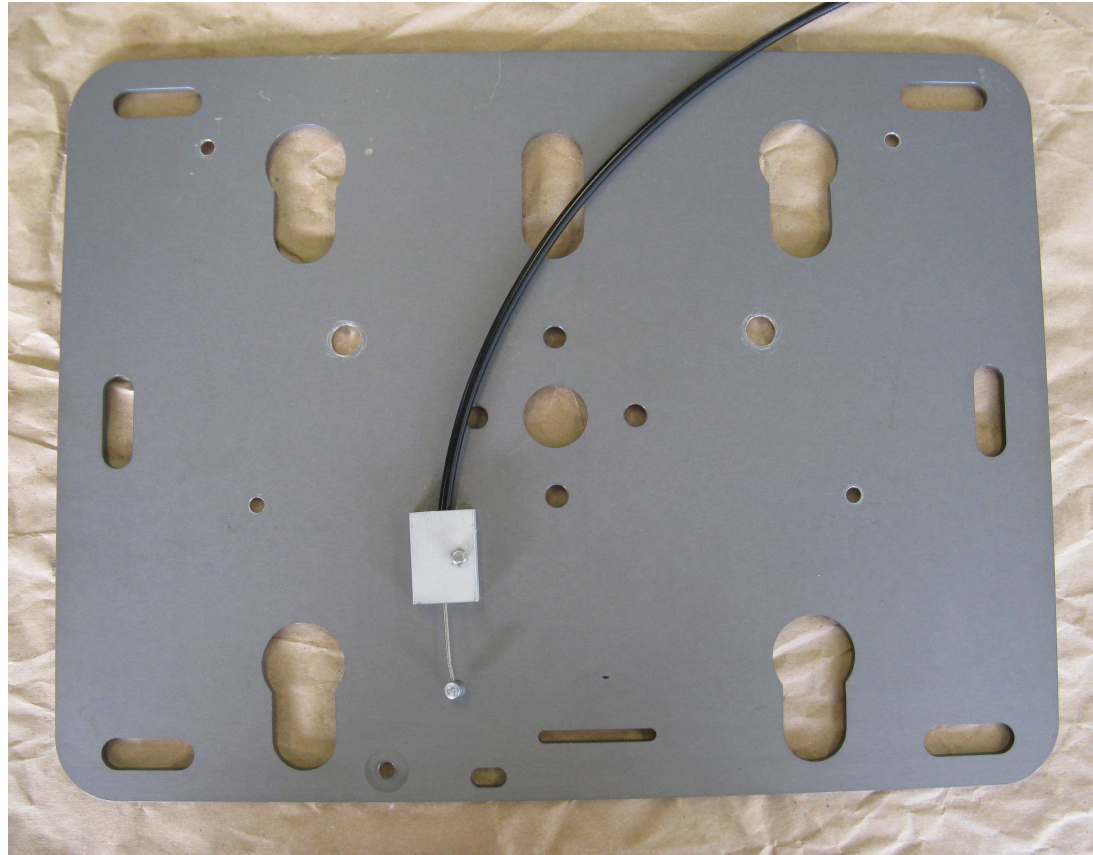
**Step 13 Insert the inner cable into the sheath and insert the sheath into the cable block. Secure the cable in the block using the 8-32 setscrew.**

Do not over tighten the set screw it should retain the cable sheath but still allow free movement of the cable.



### **Step 14 Install the loop clamp onto the cable.**

Note how the loop clamp is laying flat on the work surface and the cable block is to the left. Be sure to assemble as shown, other wise the clamp will not fit on the rack correctly.



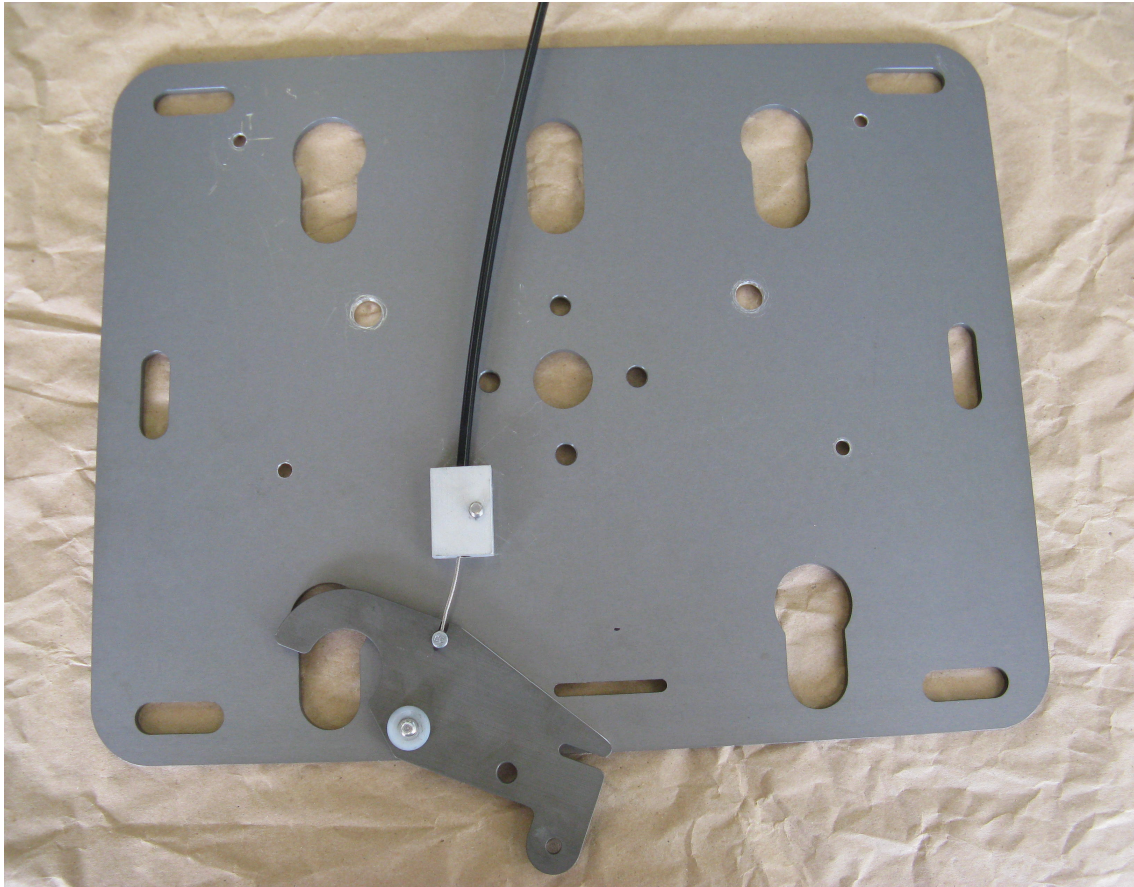
**Step 15 Attach the cable block to the plate using the M6 x 25 flat head screw as shown.**

Note the tapered holes for the flat head screws are on the underside.

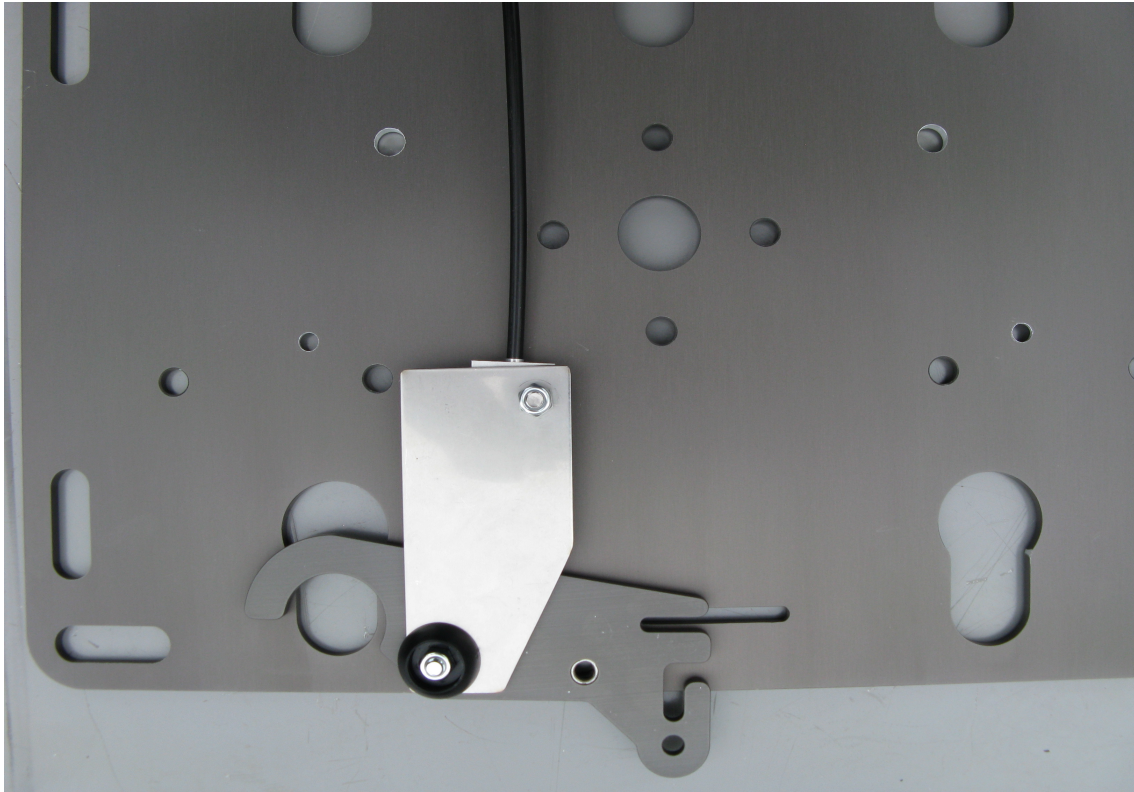


**Step 16 Insert M6 x 25 flat head screw into the hole shown. Install the nylon washer over the flat head bolt as shown.**





**Step 17 Install the lever onto flat head bolt as shown. Attach the cable to the lever as shown. Install the second nylon washer onto the flat head bolt.**



**Step 18 Install the security plate, the plastic cap base and a M6 lock nut as shown. Install the other M6 lock nut on the other M6 flat head screw.**

Tighten the M6 nut without the plastic base at this time, hold the block square to the plate as shown. Make sure the loop clamp is still on the cable.

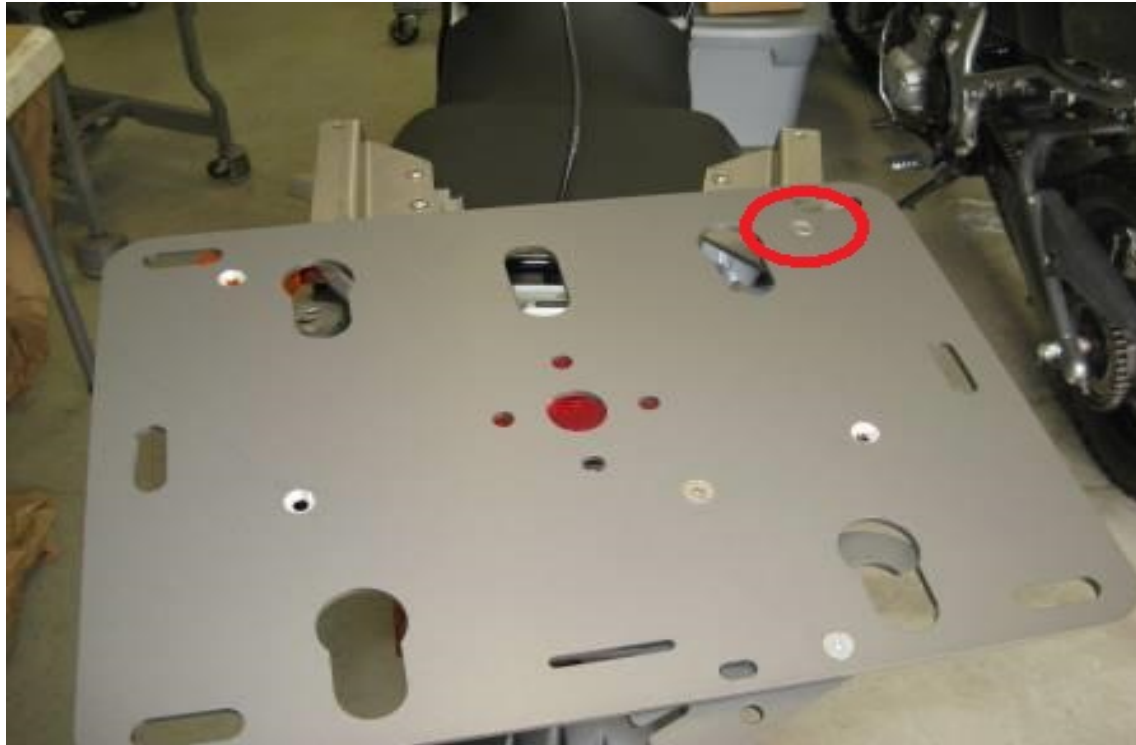




**Step 19 Identify the cable opening in trunk area.**

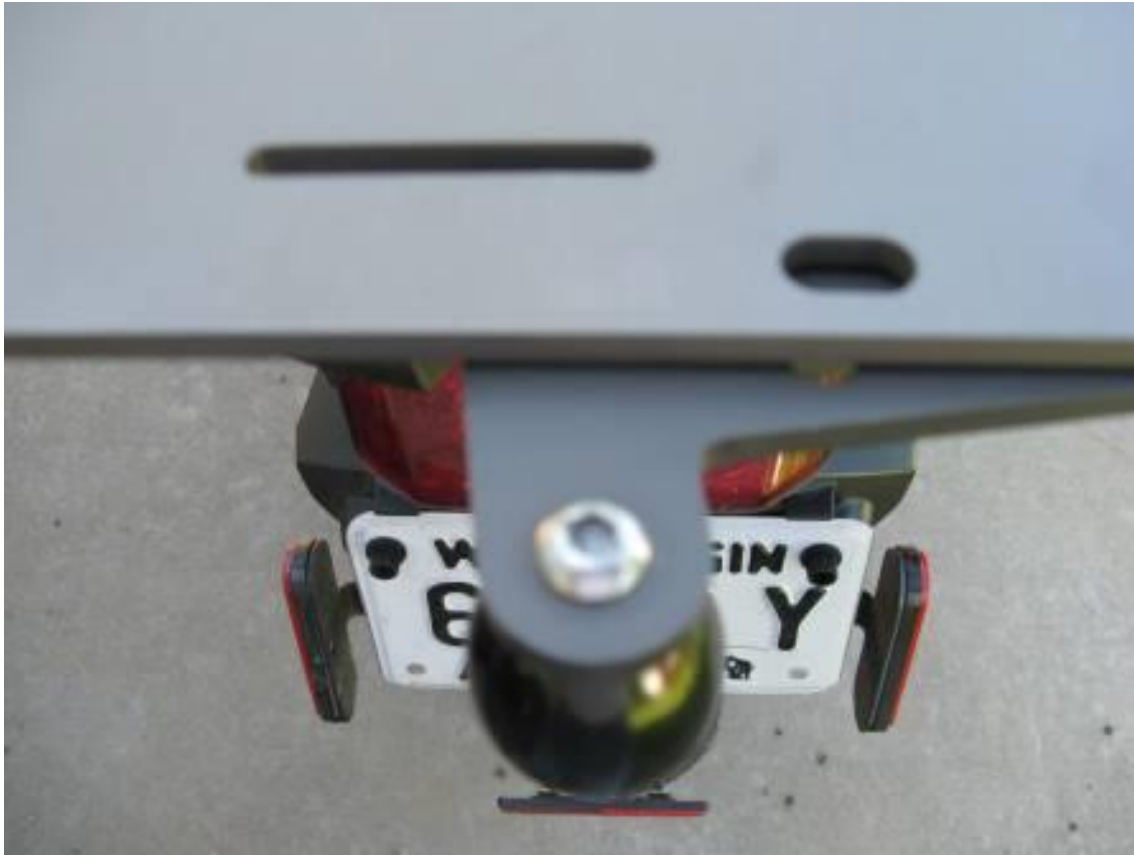


**Step 20 Insert the free end of the cable through the previously identified hole.**



**Step 21 Push the cable through the trunk opening and then temporally attach the rack by using one of the four flat head screws to attach the front RH mounting hole to the rear RH bracket hole.**

This will free up your hands while your make the cable to seat latch attachment.



**Step 22 Using the ¼-20 button head screw install the lever knob.**



**Step 23 Insert cable end into cable bracket as shown.**

This is a tight bend for the cable sheath, you may find it easier to make a large loop of the cable and then insert the cable end into the bracket and then pull the slack out of the cable so it looks like the cable shown.



**Step 24 Tighten the M6 lock nut on the lever pivot bolt to adjust lever force. Lever should be snug but rotate without great effort.**

Verify the cam lever is in the closed location. This is very important for the next step!



**Step 25 Install the spring and cable clamp, loop the cable and thread it back through the cable clamp as shown.**

Make certain the 8-32 set screw is in the cable clamp.





**Step 26 Verify the seat latch is in the fully downward position. Adjust the loop on the cable so it hooks around the latch as shown. Then tighten the set screw on the cable clamp. Cut off the excess cable with a side cutter.**

Open the cam lever so that it completely uncovers the puck hole. You should be able to remove the seat.

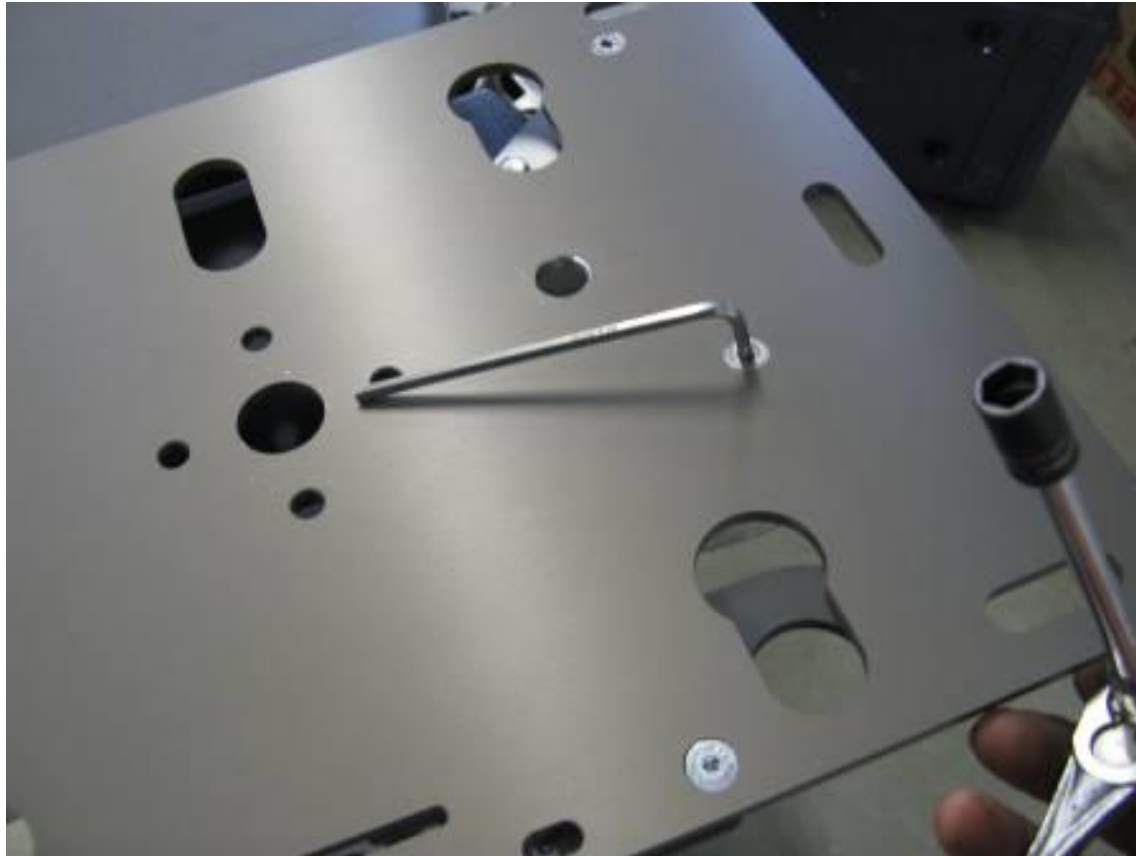




**Step 27 Loop the retaining O-ring around the cable loop and seat latch as shown.**



**Step 28 Route the cable as shown. Attach the cable loop clamp to the rear LH plate bolt as shown. Install the assembled plate to the stainless steel brackets as shown.**



**Step 29 Tighten the four M6 lock nuts.**



**By hand, press the black plastic cap into cap base.**

Note: Rack shown off of bike for photo clarity.



The rack installation is complete. Test the seat latch mechanism. The seat should be able to be removed when the lever is fully opened and when the lever is closed the seat should not come off the bike.

**The next slides cover the top box installation.**



**Step 1 Identify the master puck location, it is the puck captured by the cam lever. All pucks are identical.**

Install the master puck in the lever key hole (circled).  
Install the other 3 pucks in the keyholes and seat them in the rear of the keyhole.





**Step 2 Place the top box on top of the pucks and position it where you would like it located.**

The box should be located as far forward as possible without interfering with seat removal and passenger space.



**Step 3 Mark the location of the master puck onto the top box with a marker.**

Fore and aft position of the top box is the priority here, the side to side placement will be adjusted later.





**Step 4 Place the box on a table or other work surface. Remove the 4 flat head screws and nuts holding the rack onto the stainless steel brackets.**

Place the rack on top of the box.



**Step 5 Locate the puck marker on the box and align the master puck up with the mark as it was on the bike.**

Adjust the box side to side and make any final adjustments to the location.



**Step 6 Make certain the plate is positioned on the box where you would like it. A helping hand would be useful during the next few steps but it can be done solo.**

With a  $\frac{1}{4}$ " drill bit and electric drill use the master puck as a drill guide and drill a pilot hole through the box.



**Step 7 Remove the rack from the box. Use the 21/64" drill bit and electric drill to enlarge the 1/4" pilot hole**



**Step 8 Use the long 5/16" button head cap screw and 1 ½" aluminum washer to attach the master puck to the box.**





**Step 9 Place the rack with the other 3 pucks onto the master puck and latch it into position. Square up the plate and box to each other (last chance).**





**Step 10 With the ¼" drill bit, use the puck diagonally across from the master puck as a drill guide and drill a second pilot hole in the box.**

**Make sure the pucks are seated in the keyholes before drilling!!**



**Step 11 Remove the rack and pucks from the box. Use the 21/64" drill bit and electric drill to enlarge the second 1/4" pilot hole.**



**Step 12 Bolt the second puck to the box. Place the rack on the box and latch it into position. With the  $\frac{1}{4}$ " drill bit use the 2 remaining pucks as drill guides and drill the last 2 pilot holes.**

**Make sure the pucks are seated in the keyholes before drilling!!**

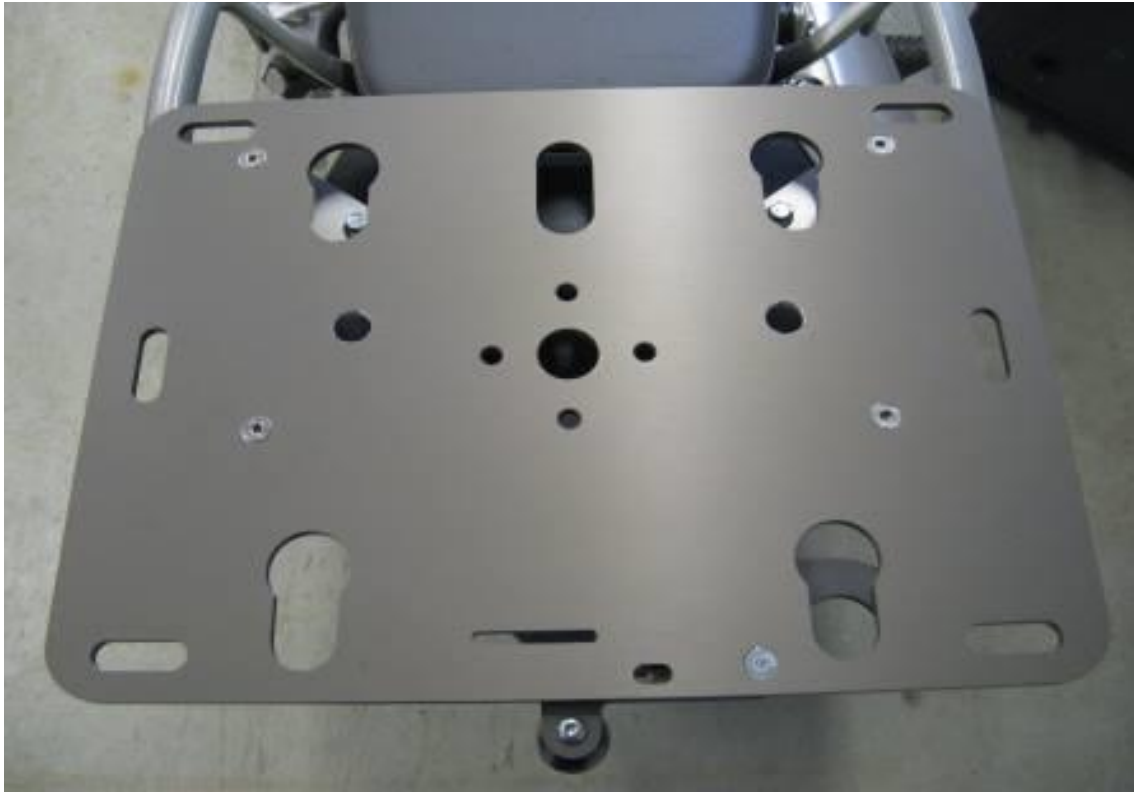


**Step 13 Remove the rack and pucks from the box. Use the 21/64" drill bit and electric drill to enlarge the last 2 1/4" pilot holes.**



**Step 14 Install all pucks onto the box using the 1 ½” aluminum washers and 5/16” button head cap screws.**

Do not fully tighten at this time.



**Step 15 Attach the rack to the stainless steel brackets with the 6mm flat head screws and 6 mm lock nuts.**

Tighten the nuts to 100 in. lbs.





**Step 16 Install the box onto rack and latch it into place with the cam lever.**



**Step 17 Torque the puck screws to 112 in. lbs.**



**That completes the installation process. Test ride the motorcycle and then check all the fasteners for tightness. Also check the fasteners again after 1000 miles and at every oil change after that.**

For security a 3/16" pad lock can be used to lock the cam lever in the closed position.

Enjoy your BRE product!

