

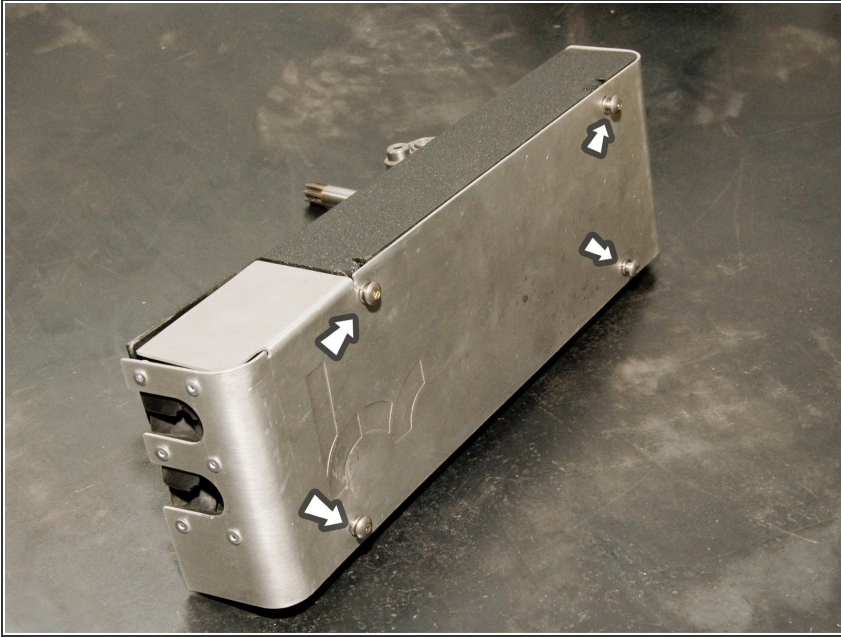


K-Series Swap Bolt-In Short Shifter V1 (outdated)

Written By: Megan Voss

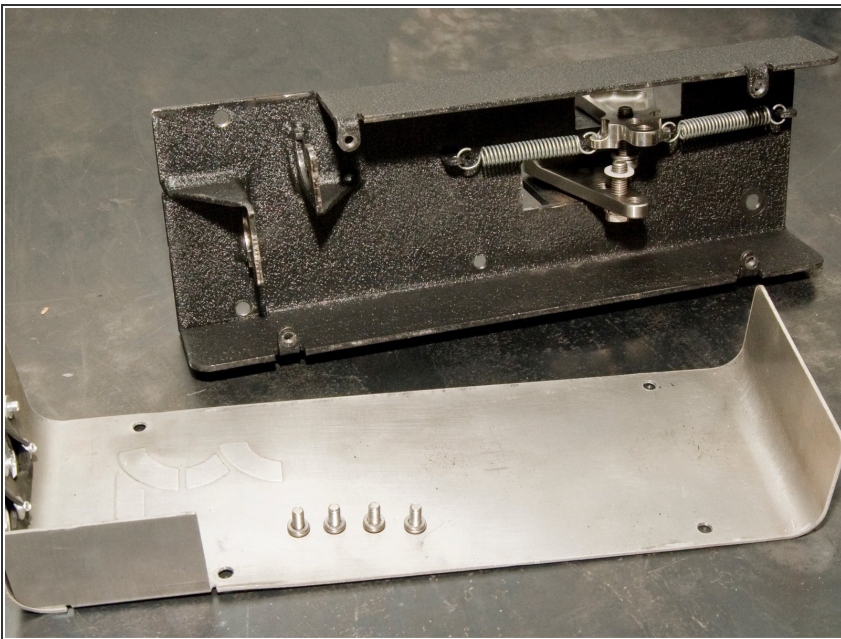


Step 1 — How to Drill Bolt Holes in the Shifter Adapter Plate



- Using a 3mm allen wrench, unscrew the four M5 dust cover bolts.

Step 2



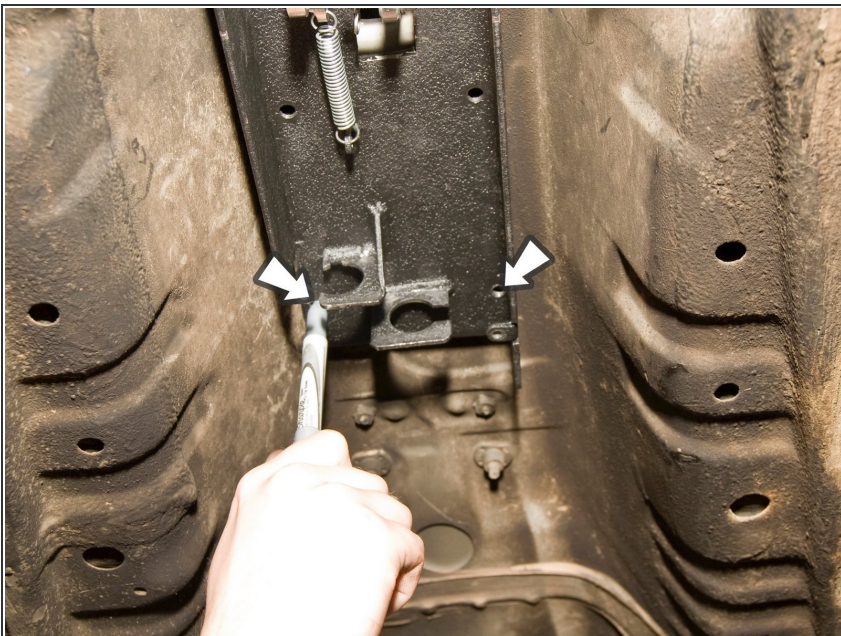
- Remove the aluminium debris shield.

Step 3



- Get underneath the vehicle.
- Place the shifter in the center tunnel.
- Using a 6mm allen wrench, install two of the M8 mounting bolts in the rear holes on the shifter.
 - ⓘ These bolts should extend into your chassis' stock shifter mounting holes.
- Torque until the shifter is flush with the chassis.

Step 4



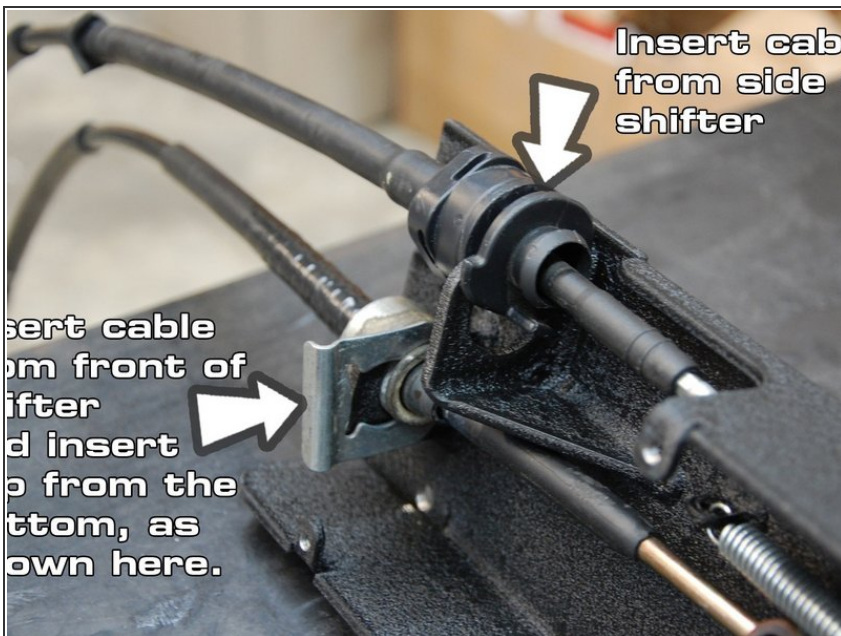
- Locate the two front mounting holes for the shifter.
- Use a metallic marker or chalk to outline where the mounting holes touch the center tunnel.

Step 5



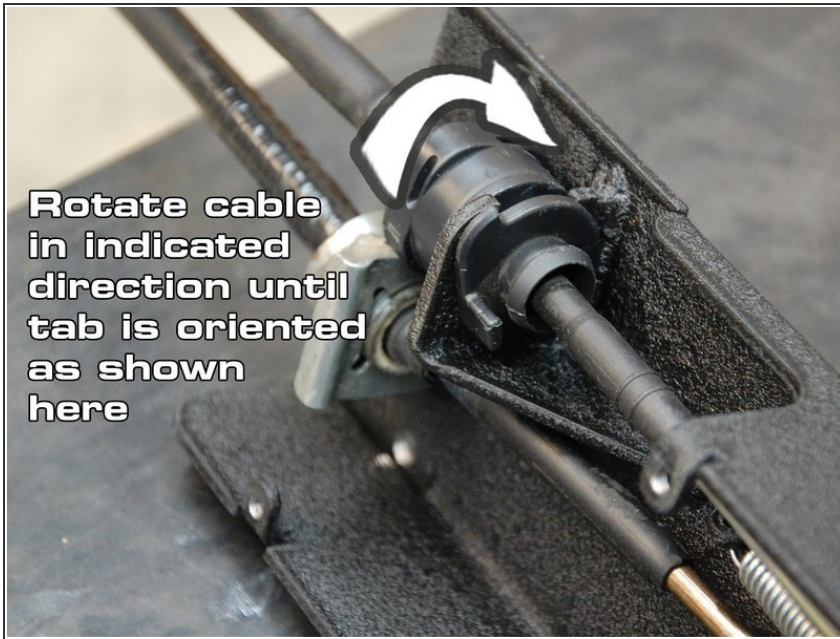
- Unbolt and remove the shifter from the chassis.
- Drill two holes in the center tunnel.
 - Drill two 1/8" pilot holes.
 - Open the holes up with a 3/8" bit.

Step 6 — How to Install the Shifter



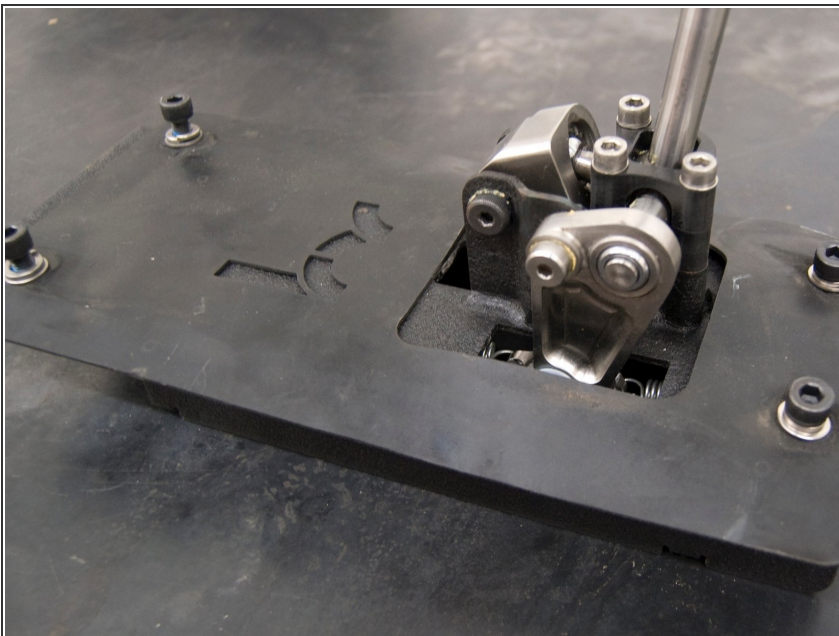
- If OEM Shifter Cables are being used, install them before the shifter is mounted to the chassis.
- If Hybrid Racing Shifter Cables are being used, they can be installed before or after the shifter is mounted to the chassis.
- For both OEM and Hybrid racing cables:
 - Install the front/back cable from the front of the shifter.
 - Insert the spring clip from the bottom.

Step 7



- For OEM cables:
 - Install the left and right cables with their tabs pointing downwards.
 - Rotate the cable 45 degrees.
- For Hybrid Racing cables:
 - Install the right and left cables from the front of the shifter.
 - Insert the spring clips from the bottom.

Step 8



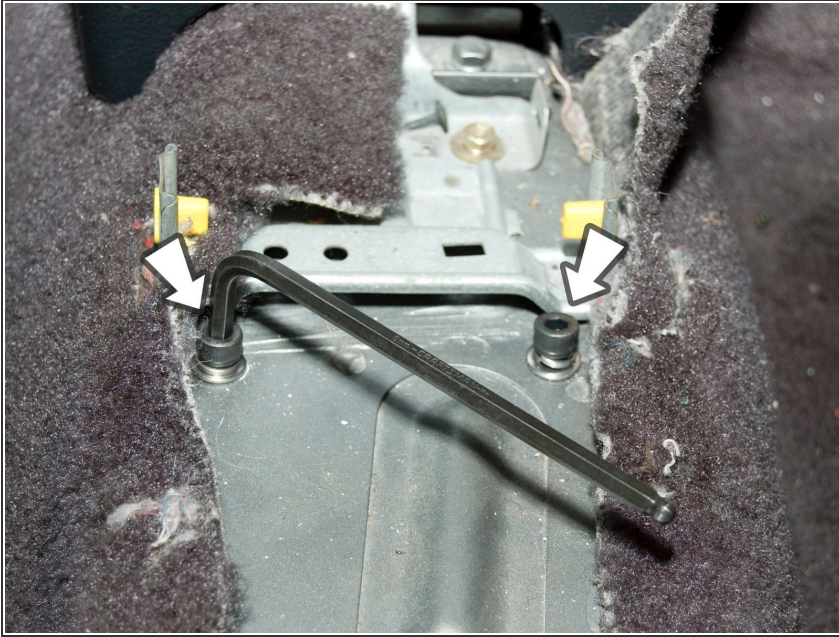
- Before bolting the shifter to the chassis, place the included rubber seal on top of the shifter.
 - ⓘ This rubber acts as a seal between the chassis and the shifter, preventing hot air, debris, moisture and excessive road noise from entering the cabin.
- Align the rubber so the four holes on it lineup with the mounting holes on the shifter.

Step 9



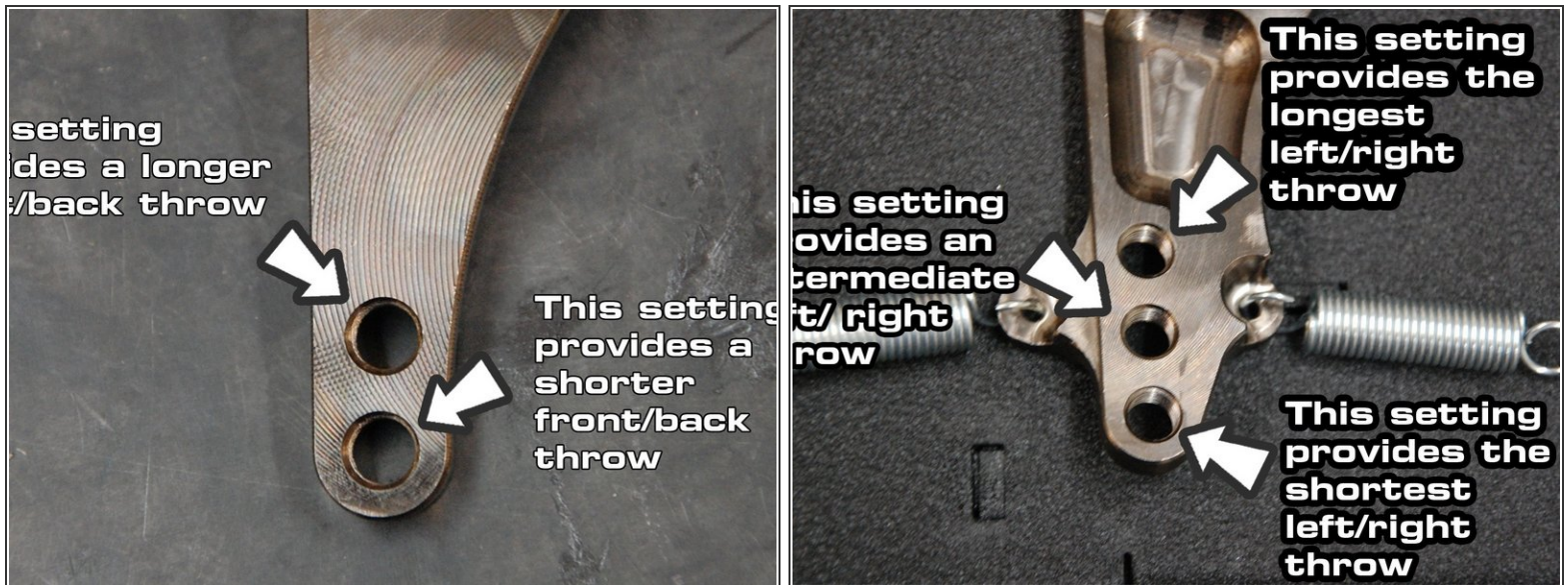
- While holding the shifter against the underside of the center tunnel:
- Install two M8 bolts along with M8 flat washers and lock washers.
 - The lock washer should be sandwiched between the bolt and flat washer.
- Use a 6mm allen wrench to tighten the bolts until the lock washers have fully compressed.
- ☑ Ensure the shifter is lined up properly with the two holes that were drilled for the front mounting bolts.

Step 10



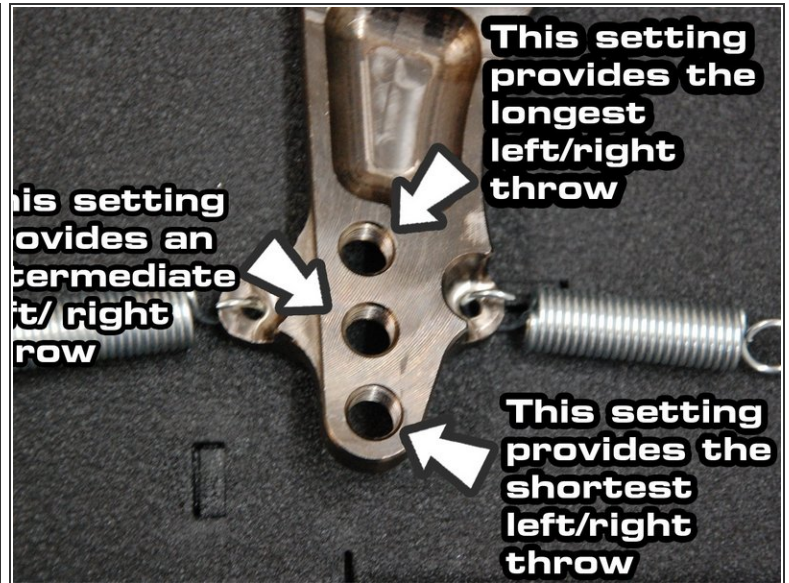
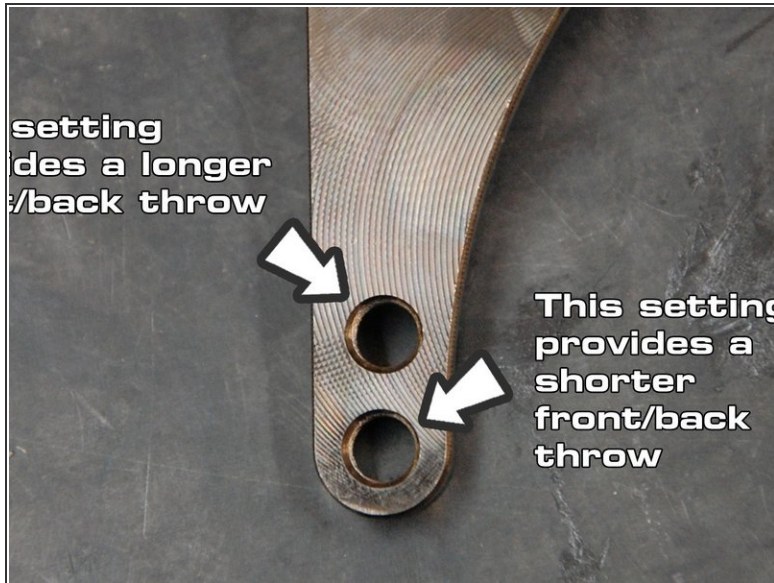
- From inside the cabin, install the two M8 bolts that thread into the front mounting holes for the shifter.
- Use the supplied M8 flat washers and lock washers.
 - ☑ Make sure the lock washer is sandwiched between the bolt and flat washer.
- Tighten until the lock washers have fully compressed.
- ☑ The bottom mounting bolts may become loose after installing the mounting bolts on the top of the tunnel. Retighten if necessary.

Step 11 — How to Adjust the Throw



- Attach the shifter cables to their respective rockers.
- The cable controlled by the front/back motion of the shifter has two throw settings.
 - ⓘ The shifter has been supplied with It set to its longest throw setting.
 - ⓘ Hybrid Racing recommends the shifter be set to its longest throw until the user is comfortable enough to shorten the throw.
 - ⓘ Adjusting the throw to the shortest setting when not familiar with the shifter may result in missing gears, possibly leading to engine or transmission damage.
- The cable controlled by the left/right motion of the shifter has three throw settings.
 - ⓘ Hybrid Racing recommends that the shifter be set to its longest throw until the user is comfortable enough to shorten the throw.

Step 12



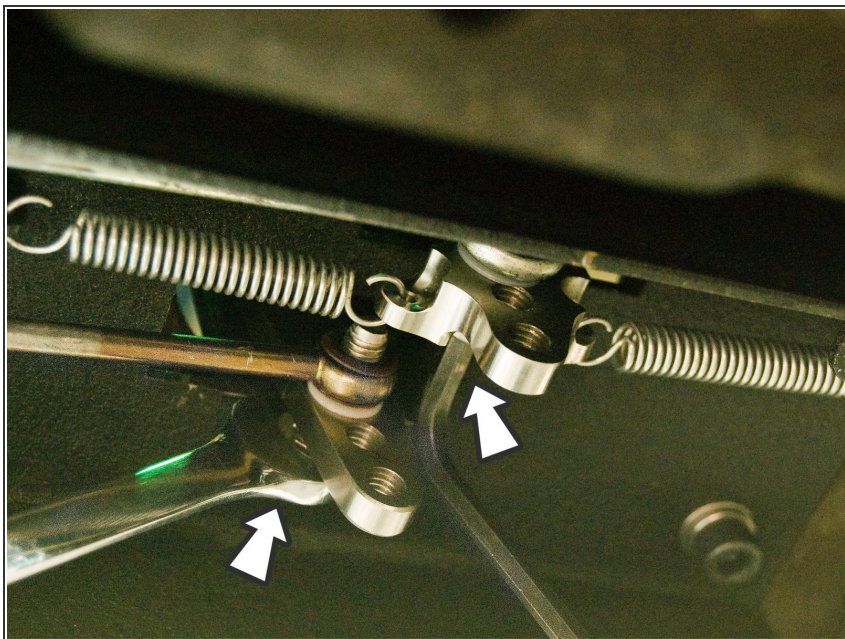
- To adjust the shifter's throw, loosen the bolt that each cable mounts to from the cable's steel rocker.
- Reinsert the bolt into the hole that gives the desired throw length.
- ⓘ The lower the cable is placed on the rocker, the shorter the throw will be.

Step 13



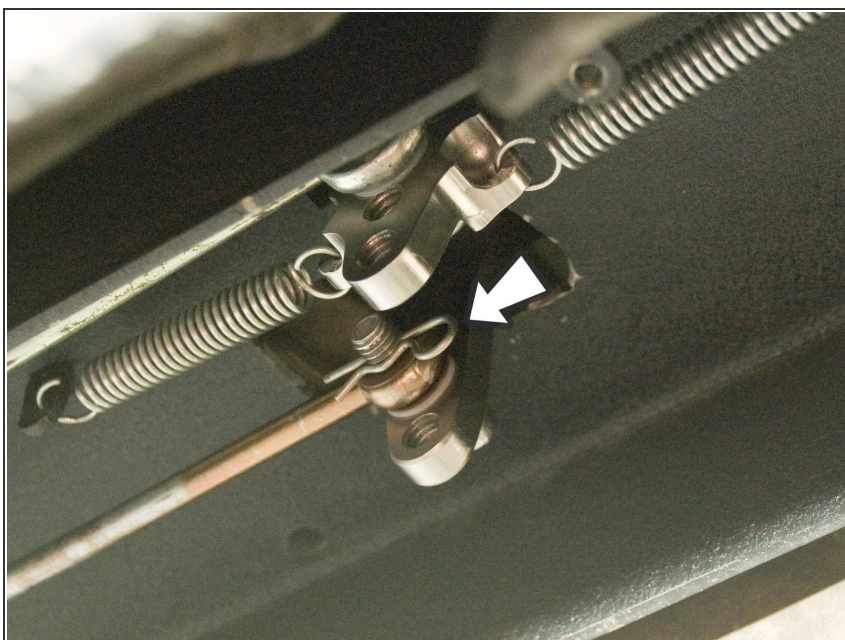
- Slide the cable onto the retaining bolt before fully tightening.
- Place the supplied Delrin washers between the cable and the steel rocker.
- Install the cable retaining bolt along with a lock washer.
- Tighten the bolt until the lock washer has fully compressed.

Step 14



- Adjust the cable retaining bolt for the cable controlled by the front/back motion using a 5mm allen wrench.
- Adjust the cable retaining bolt for the cable controlled by the left/right motion using a 13mm open or closed-ended wrench.

Step 15



- Reinsert one of the supplied cotter pins into the hole at the end of the cable retaining bolt.

Step 16



- Bolt the debris shield that you removed earlier back onto the shifter.

Step 17 — How to Adjust the Shift Knob's Position



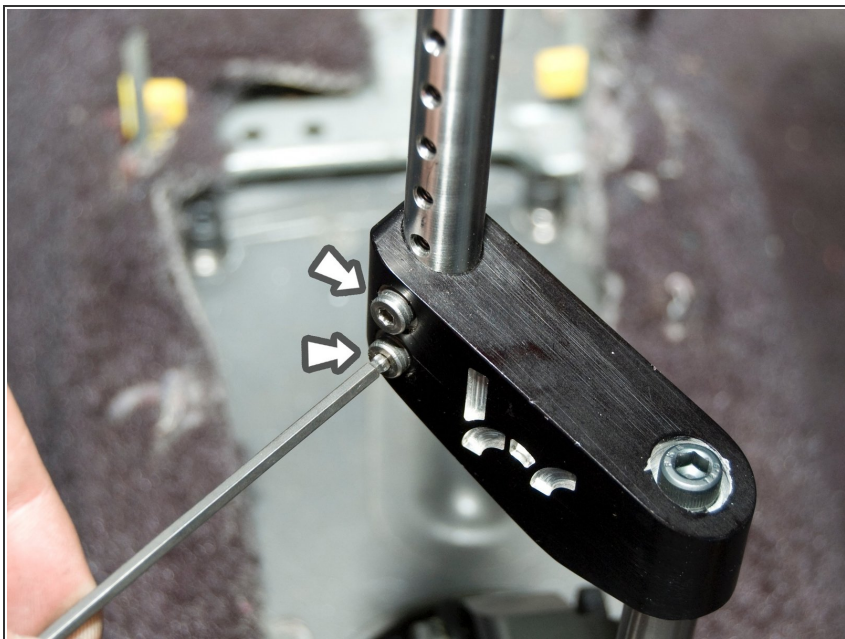
- The upper shift rod is already bolted to the aluminum offset block.
- ⓘ The offset block has 8 different positions relative to the lower rod on the shifter.
- ⓘ This is so that the user can move the shift knob to a location that better suits them.
- ⓘ Hybrid Racing recommends the offset block be positioned at 6 o'clock until the user is acclimated to the feel that the offset block gives the shifter.
- Bolt the black offset block to the lower shift rod using a 5mm allen wrench, the M6 bolt, and a lock washer.
- Torque until the lock washer is fully compressed.

Step 18



- The offset block was designed be positioned above or below the shift boot.
- If you want the offset block to be visible after installation, the shift boot should be installed before the offset block.
- If you want the offset block to be covered by the shift boot, install the shift boot after installing the offset block.

Step 19



- To adjust the knob's height remove the two M4 bolts using a 3mm allen wrench.
- Adjust the knob.
 - The knob is adjusted in 10mm increments.
- Reinsert the two M4 bolts while holding the upper rod in place.
- Torque the M4 bolts until the lock washers are fully compressed.