



Factory Five Racing, Inc.

<i>Part Number:</i> <u>26215</u>	<i>Revision:</i> <u>C</u>	<i>Effective Date:</i> <u>12/21/11</u>	<i>By:</i> <u>J. INGERSLEV</u>
<i>Document Type (indicate):</i>			
<input type="radio"/> Bill of Material	<input type="radio"/> Drawing (may be attached)	<input type="radio"/> Specification	
<input checked="" type="radio"/> Assembly Instructions	<input type="radio"/> Operating Procedure	<input type="radio"/> Other	

Mendeola Cable Shift Kit Installation Instructions

✂ $\frac{3}{8}$ " , $\frac{1}{2}$ " , $\frac{9}{16}$ " socket, Ratchet, Drill, $\frac{5}{16}$ " , $\frac{7}{32}$ " drill bit, flat head screwdriver, (2) clamps, Marker, hack saw, $\frac{3}{16}$ " hex key, pliers, $\frac{1}{4}$ "-28 tap, large adjustable wrench or similar, 12mm, $\frac{15}{16}$ " wrench, vise.



These instructions are for use with the Mendeola Transaxle in the Factory Five GTM.



Do not shift the transmission until reading the Mendeola installation instructions included with the transaxle.

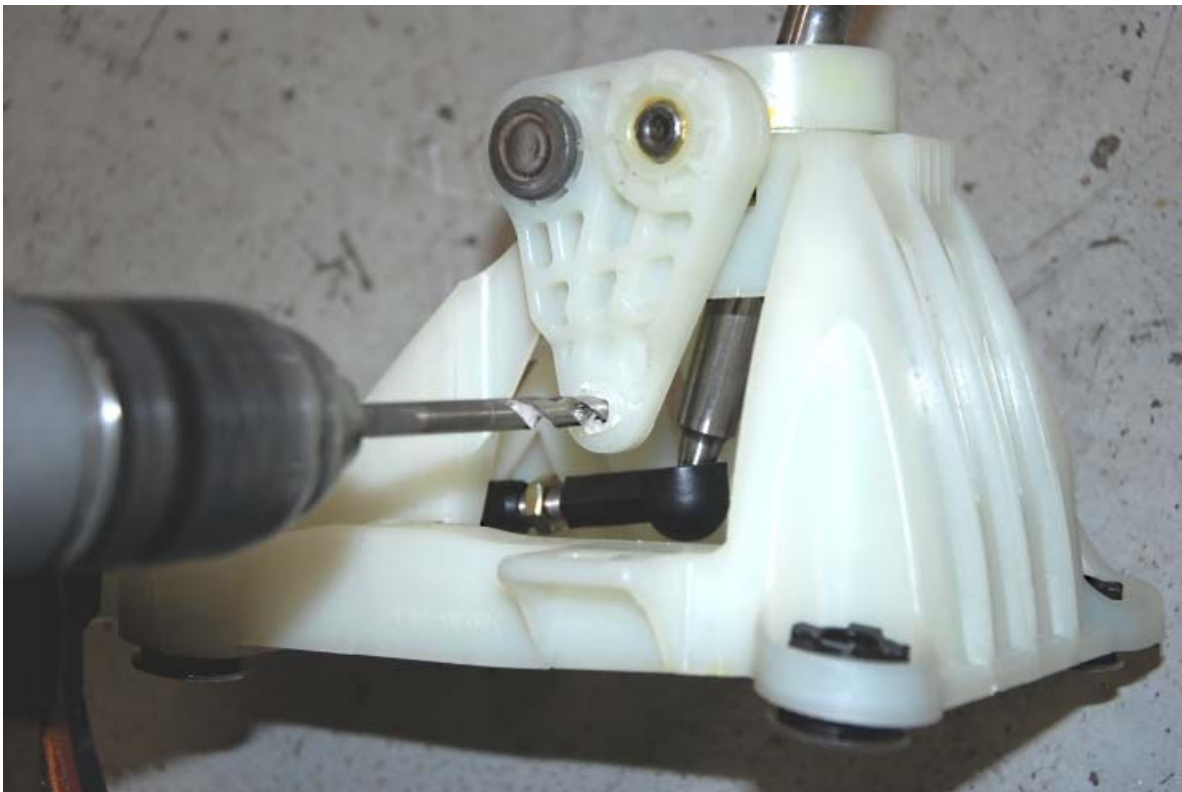
Remove the plastic cup from the shifter handle using a pair of pliers and a flat head screwdriver.



Use a saw to cut off the mounting post on the side of the shifter.



Drill the small hole out that remains with a $\frac{7}{32}$ " drill bit.



Tap the hole using a 1/4"-28 tap.



Attach the ball stud to the shifter using a 3/8" socket.



Bend the stock shifter mount tab towards the outside of the frame.



Grind or cut two of the $\frac{5}{8}$ " washers on three sides so that they are 1.50" wide and will fit inside the shifter cable area.



Remove the end nut on one end of each of the cables along with the lock washer. Slide one of the full washers onto each of the cables.



Slide one of the cut washers onto each of the cables.



Slide the lock washer and nut onto the end of the cable. Leave the nut so that it is flush with the end of the threads.



Attach the ball stud retainer to the end of one of the control cables so that there are $\frac{3}{16}$ " of thread showing.



Attach the ball stud retainer to the end of the other control cable so that there are $\frac{5}{16}$ " of threads showing.



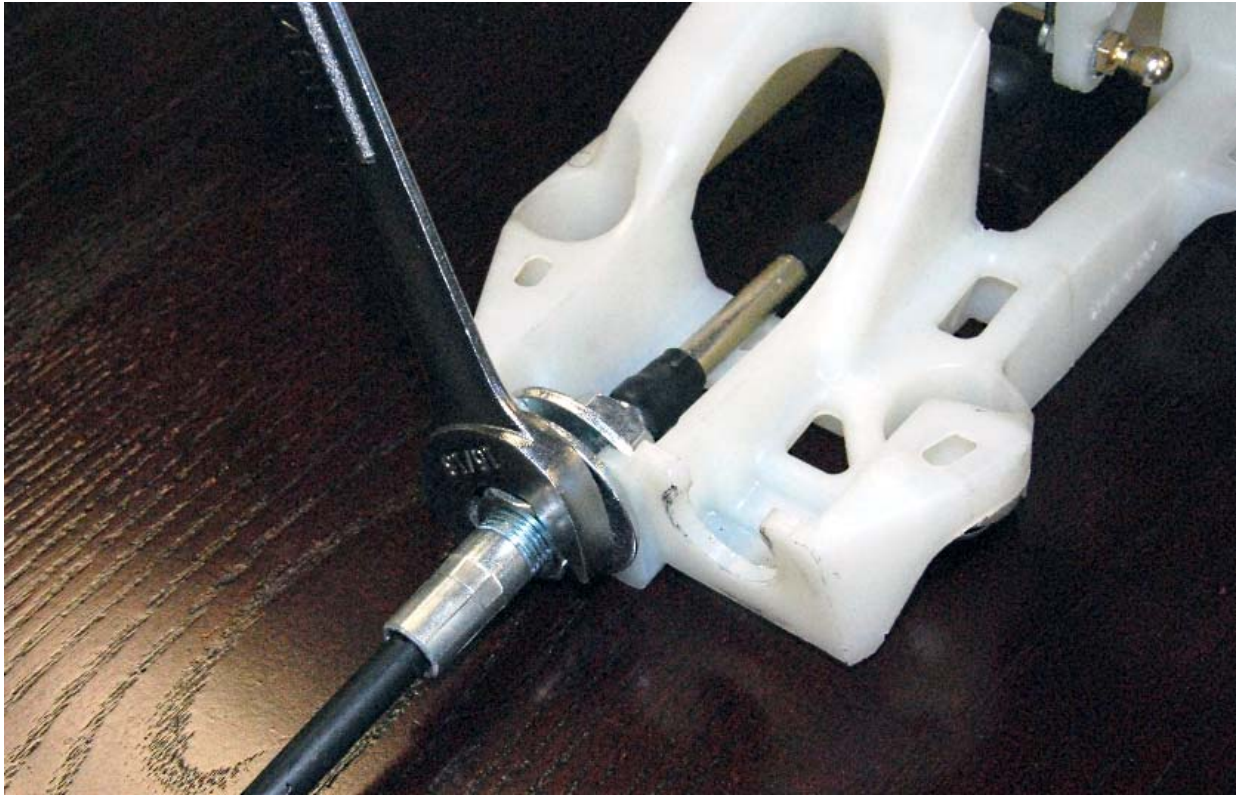
Pass the control cable with the plastic ball stud retainer through the middle opening of the shifter.



Attach the ball stud retainer to the ball on the end of the shifter handle.
Locate the control cable in the plastic mount so that the cut washer is in the shifter base and the uncut washer is on the outside.



Making sure that the nut on the end of the control cable sheath is flush with the end of the threads, tighten the outside nut with a $\frac{15}{16}$ " wrench.



Attach the ball stud retainer on the other control cable to the ball stud mounted on the side of the shifter.



Making sure that the nut on the end of the control cable sheath is flush with the end of the threads, tighten the outside nut with a $\frac{15}{16}$ " wrench.



Attach the shifter to the shifter mount using the $\frac{5}{16}$ " bolts provided.



Attach the ball stud retainers from the transaxle onto the control cables.



Mark the cable that goes into the center of the of the shifter at both ends for easy identification later.



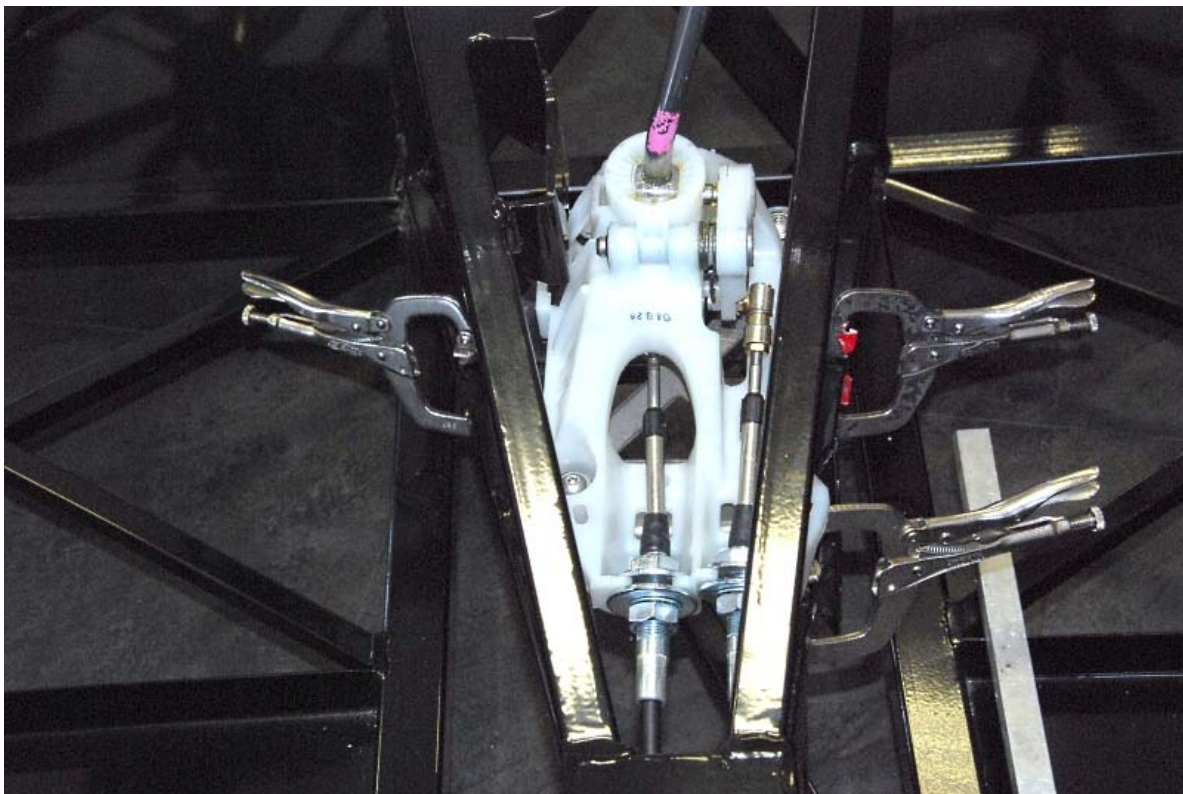
At the center tunnel where the shifter would mount, pass the control cables through the frame towards the rear of the frame.



Pass the cables to the right side of the engine to the inside of the engine mount, under the CV axle to the back of the transaxle.



Insert the shifter assembly into the center tunnel and clamp the assembly to the frame as far back as the control cables will allow.



Use a marker to mark the shifter mount holes on the frame.
Move the shifter forward for easy access to the mount hole locations.

✎ The shifter can be mounted two ways, using the 1/4" bolts and nuts provided or by using 1/4" rivnuts from the kit mounted the frame and the 1/4" bolts provided.

Drill mount holes for your preferred way of mounting the handle.
Attach the handle to the frame.
Attach the control cable with tape to the transaxle mount closest to the transaxle so that there is about 1/2" of threads showing towards the end of the cable.
Tighten the nut using a 15/16" wrench.

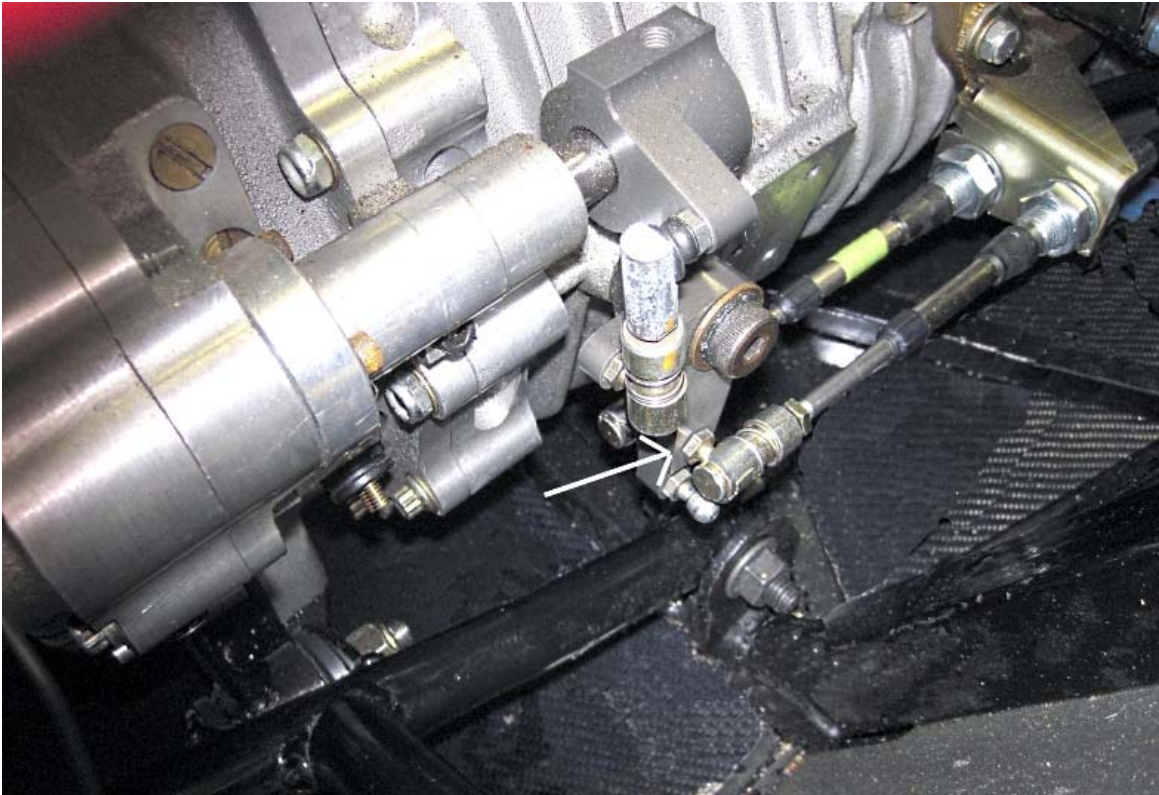


Attach the other control to the transaxle mount using a 15/16" wrench.

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Attach the ball stud retainers to the ball studs.

✎ The outer lever ball stud should be in the upper hole location if there is more than one location.



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