MR2 Shifter Box

Install time: 1 hour

Tools:

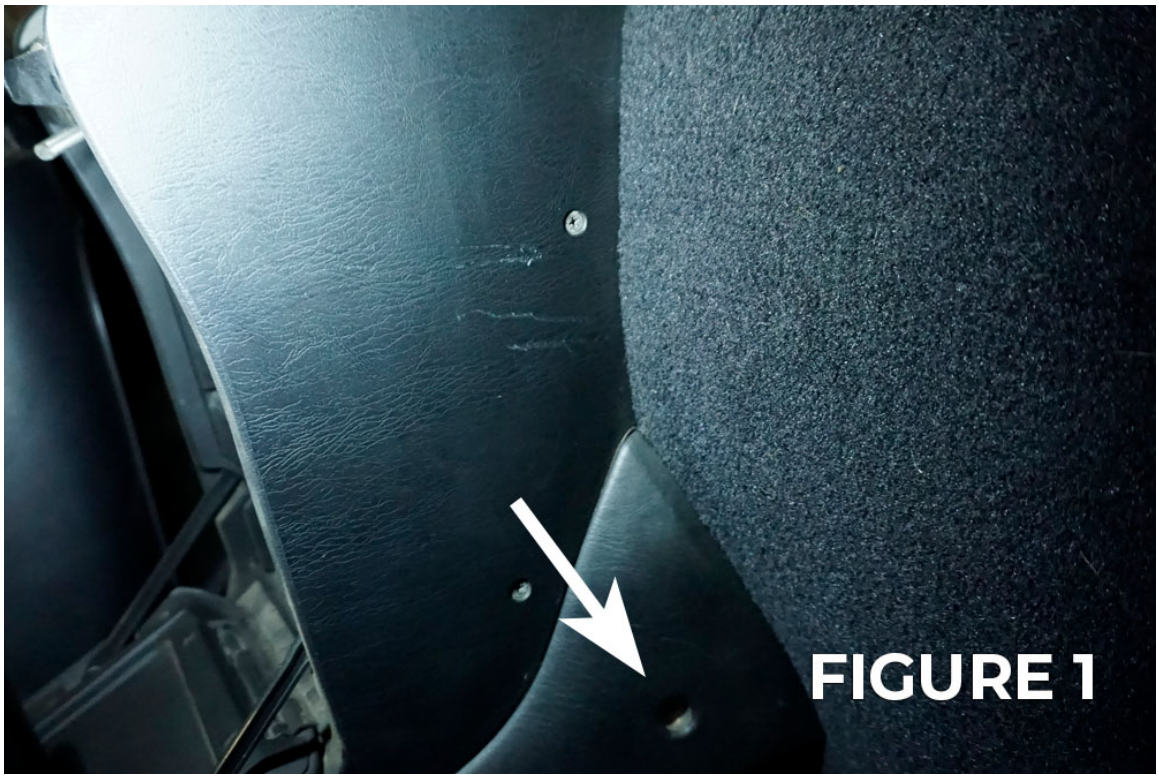
- 4mm allen key
- 5mm allen key
- Philips head screw driver
- Socket driver
- 10mm socket
- 12mm socket

Instructions:

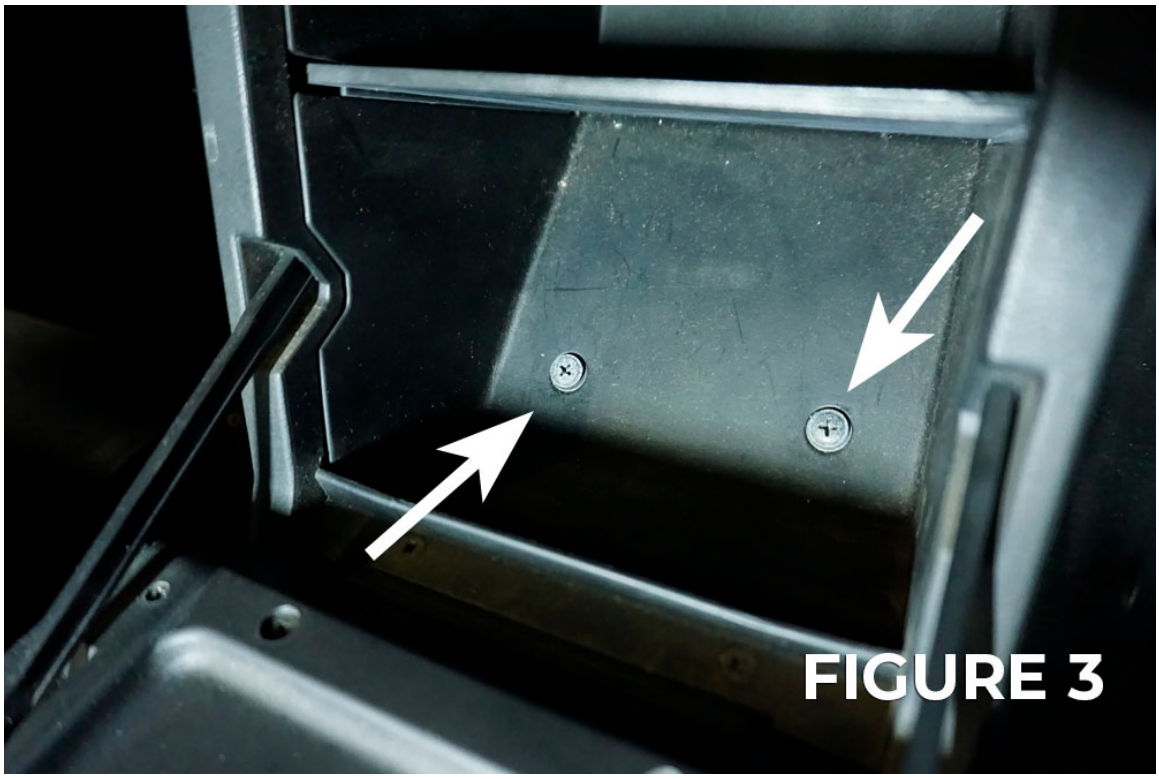
1. Remove shifter surround and shift boot.
2. Remove (4) screws from center console. (2) of the screws are near the rear of the vehicle, under the rear console box. The other (2) screws are on the sides of the center console. (Fig 1 & 2)
3. Remove (2) screws from the lower compartment of rear console box, remove (2) screws from the upper compartment of rear console box. (Fig 3 & 4)
4. Remove rear console box and center console. (Fig 5)
5. OEM shifter box is now exposed. First, disconnect shifter cable from bell crank and shift lever (retain the nut from the shift lever). Remove gold retaining clips from shifter cables and set aside. (Fig 6)
6. Remove plastic retaining clips from shifter box. Remove the (4) bolts that are securing the shifter box and set aside for re-assembly. (Fig 7)
7. Slide shifter cables out of OEM shifter box. Remove OEM shifter box. (Fig 8)
8. Remove (2) bolts from the underside of the OEM shifter socket cup. Remove (2) bolts from top side of shifter socket cup. Remove OEM shifter socket cup from OEM shifter plate. Set retaining ring aside.(Fig 9)
9. Remove shift lever from OEM shifter socket up. Replace plastic shifter bushing cup with supplied replacement. Removing the plastic cup requires a bit of force, it may not be removed easily. (Fig 10)
10. Lightly lubricate the ball of shift lever. Insert the shift lever with new plastic shifter bushing cup into the Racer X shifter socket cup. (Fig 11)
11. Place retaining ring on top of plastic shifter bushing cup. (Fig 12)
12. Insert M8 short screw into hole to the right of the shift lever. Tighten screw, approximately 1/4” of the threads will be exposed when tightened. Prepare spring as shown in figure. (Fig 13)
13. To load spring, rotate spring 180 degrees. When correctly loaded, the ends of the spring will become parallel and will be seated behind the screw. Be sure not to release your hand from the loaded spring, as it will pop off. (Fig 14)
14. Install M10 shoulder bolt with loc-washer and washer through the bearing of the bell crank, through the spring assembly and into the socket cup. (Fig 15)
15. Using provided hardware, attach the shifter cable bracket to the shifter plate. The larger diameter side of the shifter cable bracket needs to be facing the rear of the vehicle. (Fig 16 & 17)
16. Using provided hardware, attach the shift lever assembly to the shifter plate. Assembly is completed. (Fig 18)
17. Slide shifter cables through the shifter cable bracket. Secure shifter plate to vehicle with the OEM bolts. The shifter plate will seem to wobble before being secured to vehicle due to foam pad under the shifter socket cup. This pad will be compressed when the bolts are tightened. (Fig 19)
18. Install gold retaining clips. You will need to push the shifter cable towards the front of the vehicle (as indicated in figure) to allow for the retaining clips to be inserted. Loosening the shifter cable bracket will allow the cables to move freely. The retaining clips fit tightly between the shifter cable and shifter cable bracket. (Fig 20 & 21)
19. Attach shifter cable to bell crank with supplied hardware. Attached shifter cable to shift lever with OEM nut. (Fig 22 & 23)
20. Install center console and rear console box. Install shift boot, knob and shifter surround. Installation complete.
21. Enjoy your awesome new shifter!

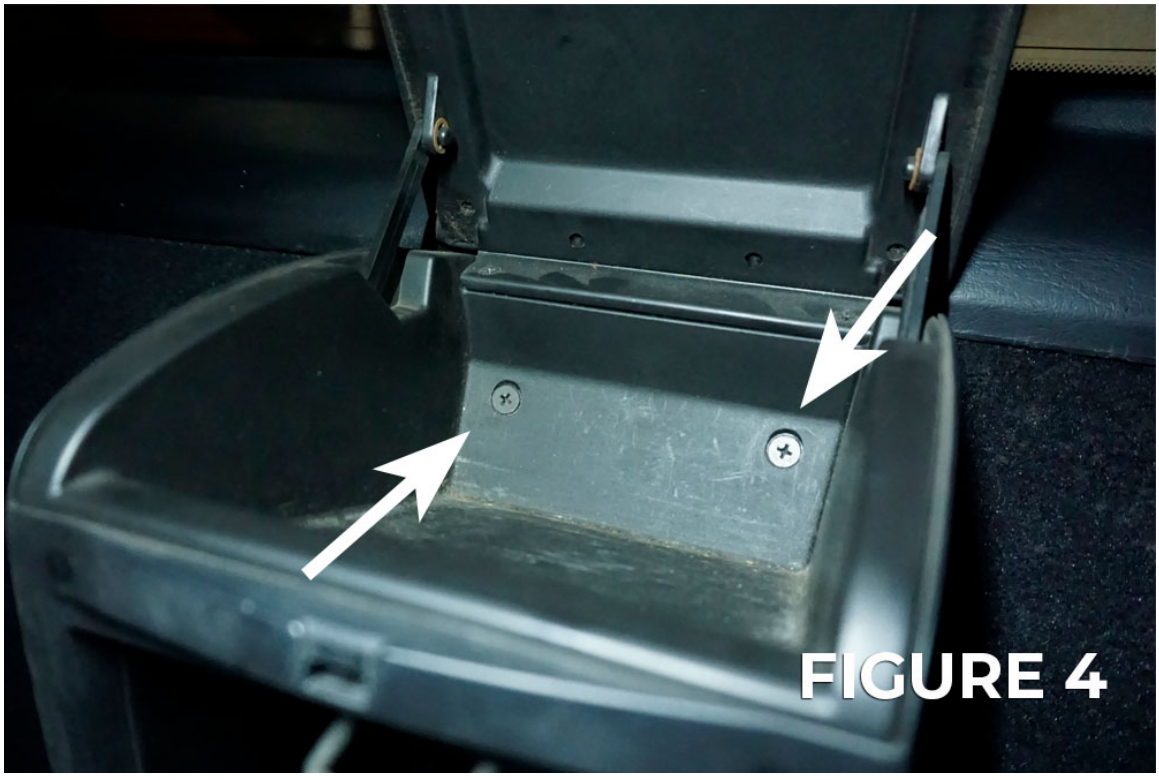
Questions, comments, or concerns? Email tech@racerxfabrication.com.

© 2019 Racer X Fabrication

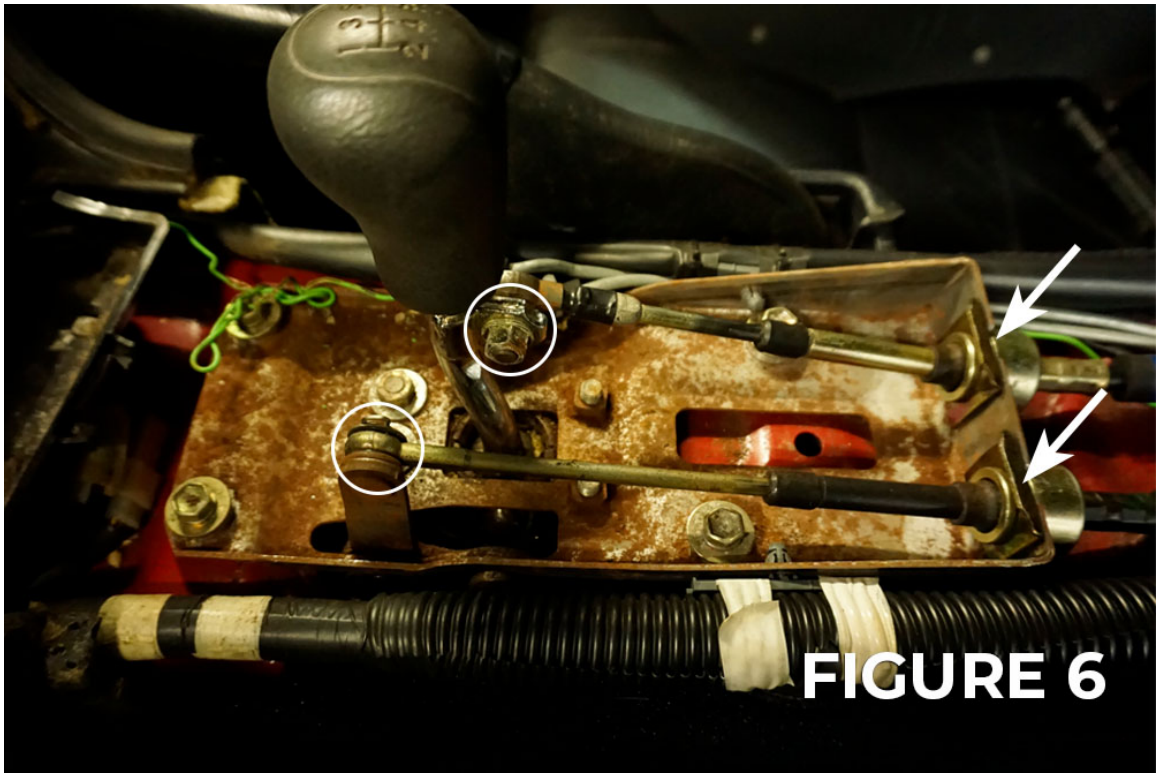


© 2019 Racer X Fabrication





© 2019 Racer X Fabrication



© 2019 Racer X Fabrication

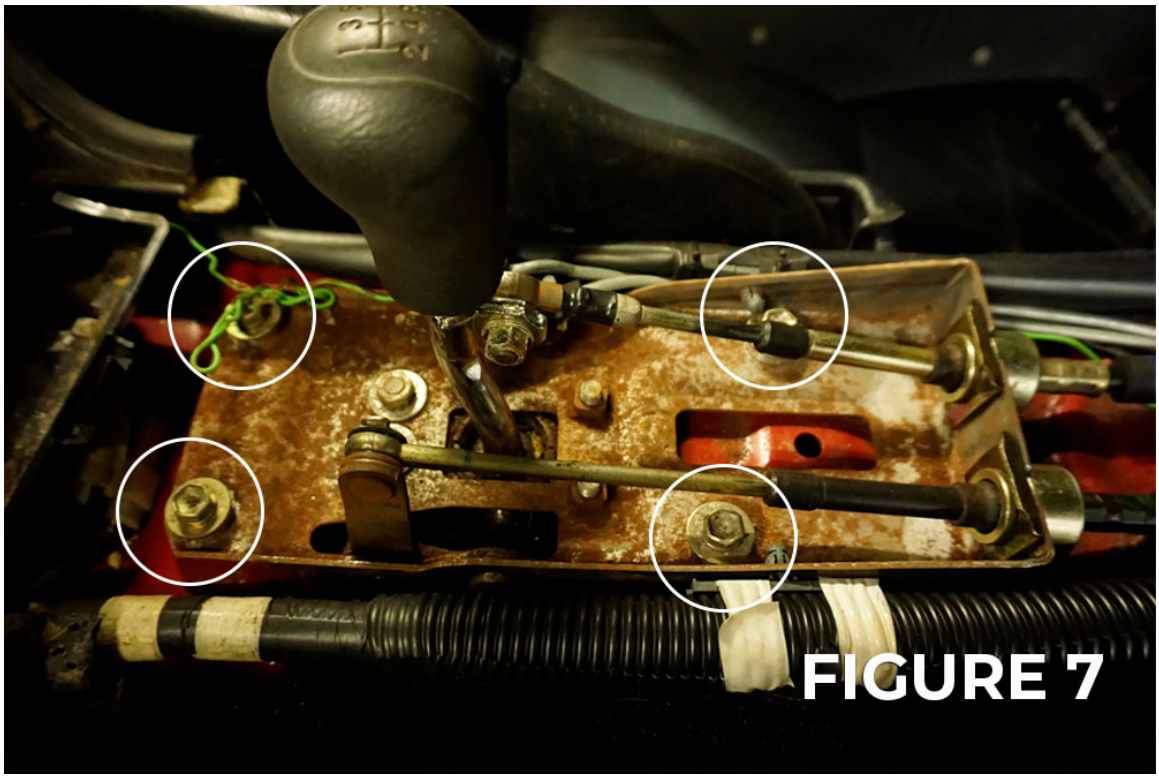


FIGURE 7

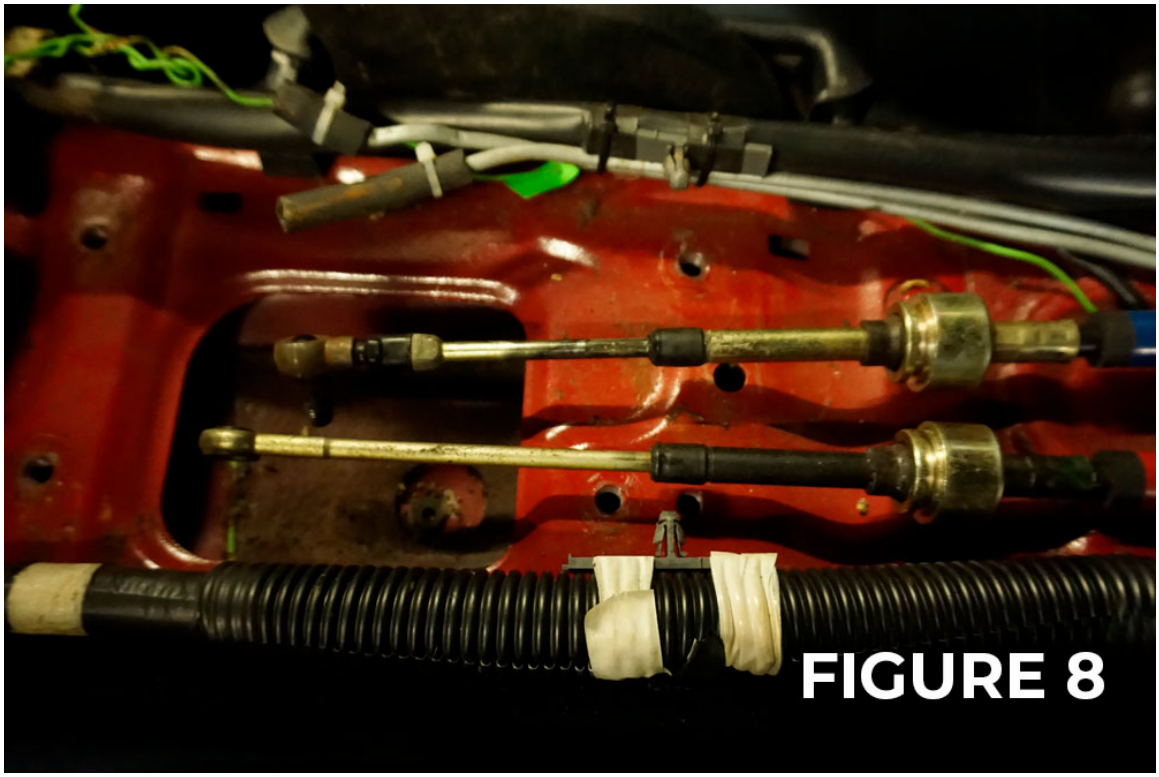


FIGURE 8

© 2019 Racer X Fabrication

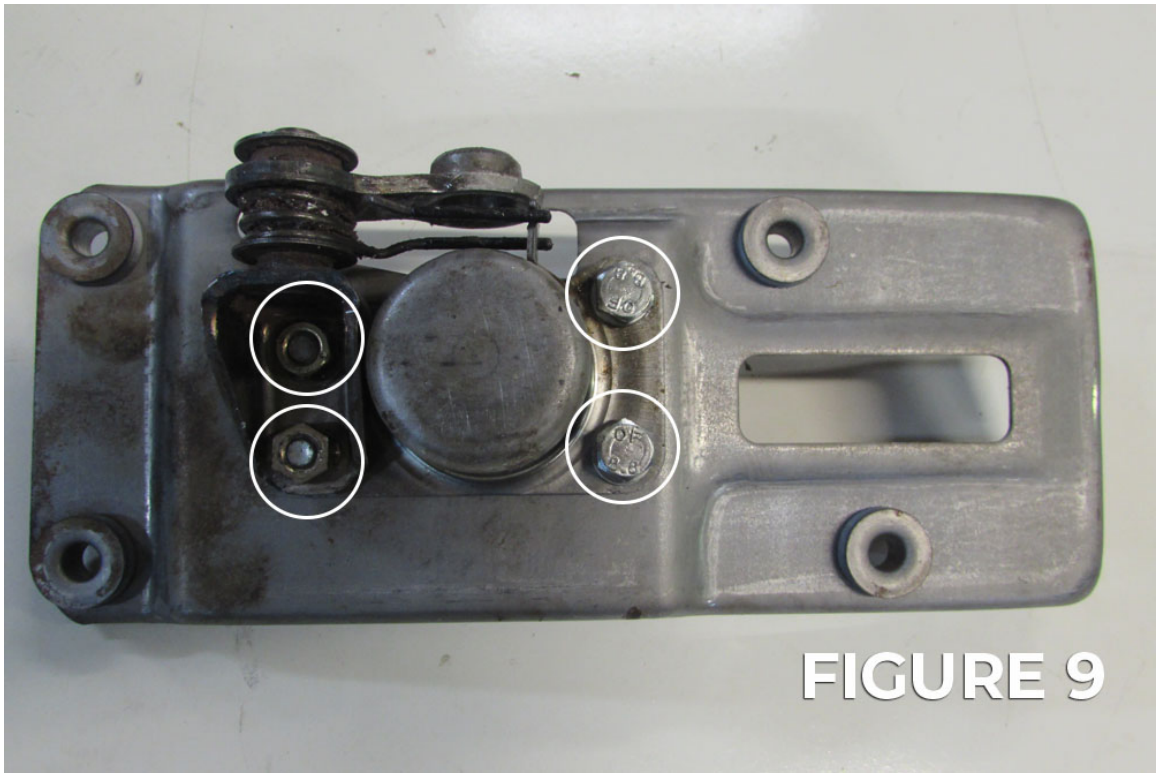


FIGURE 9

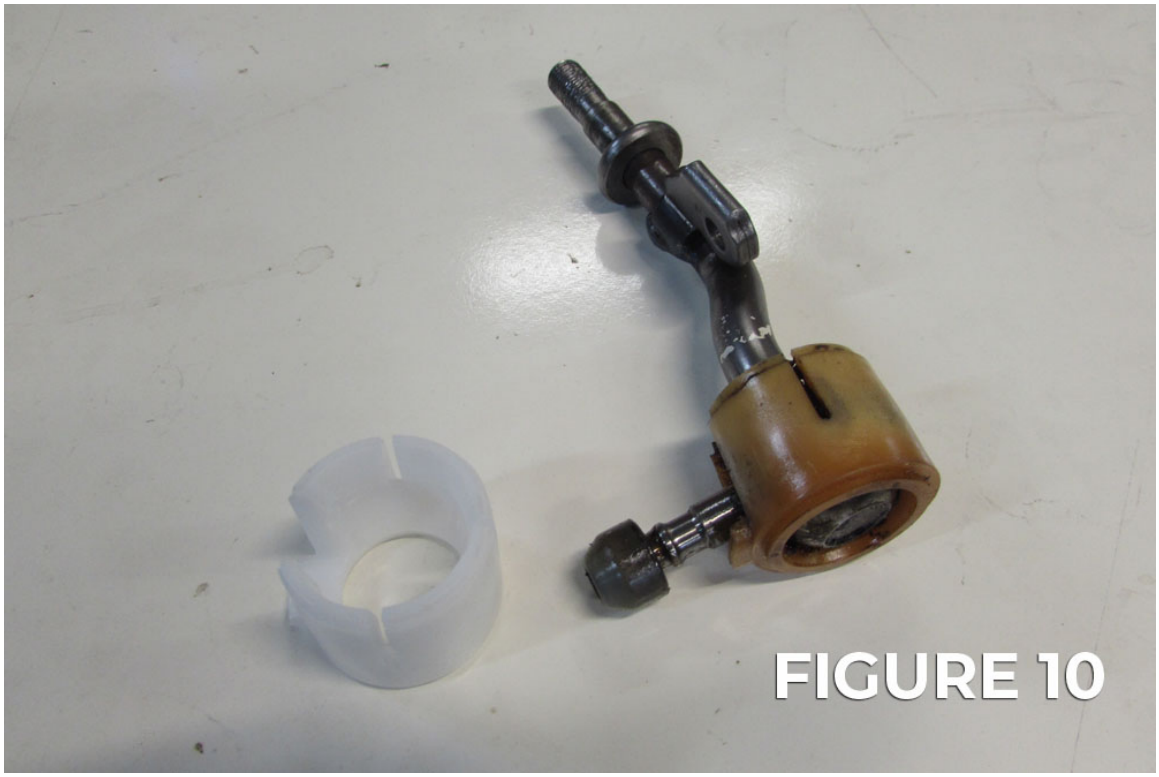
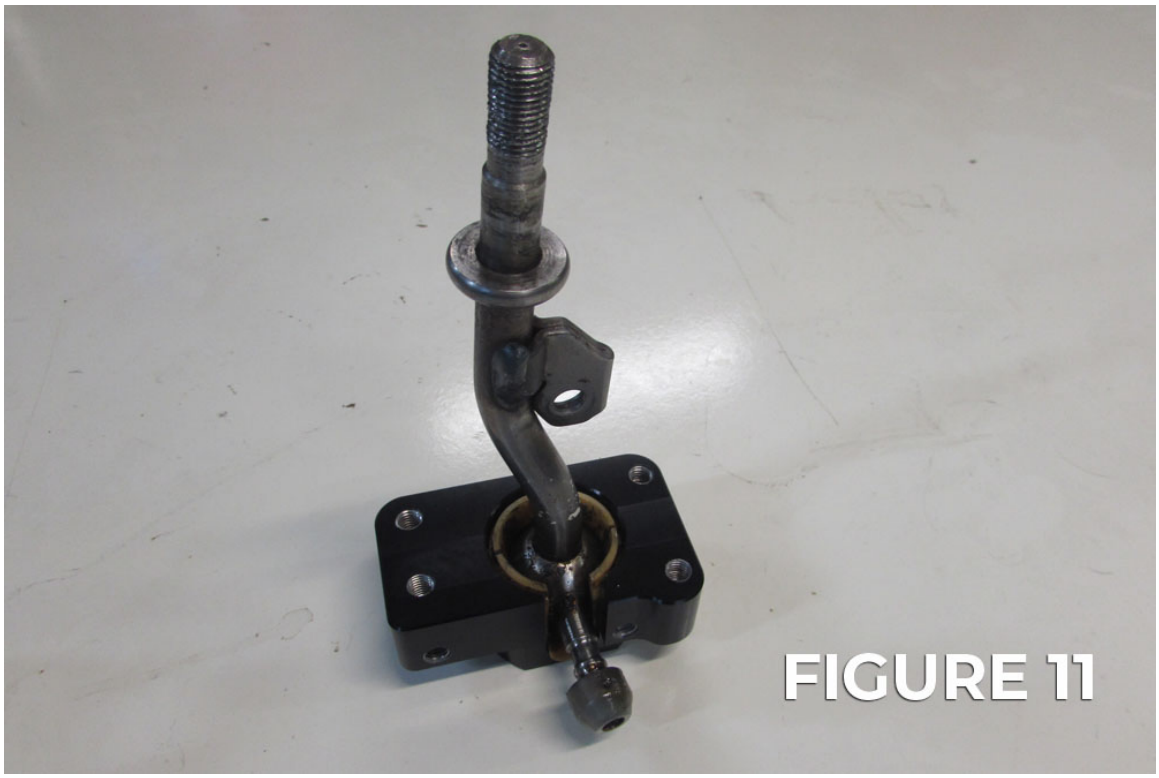
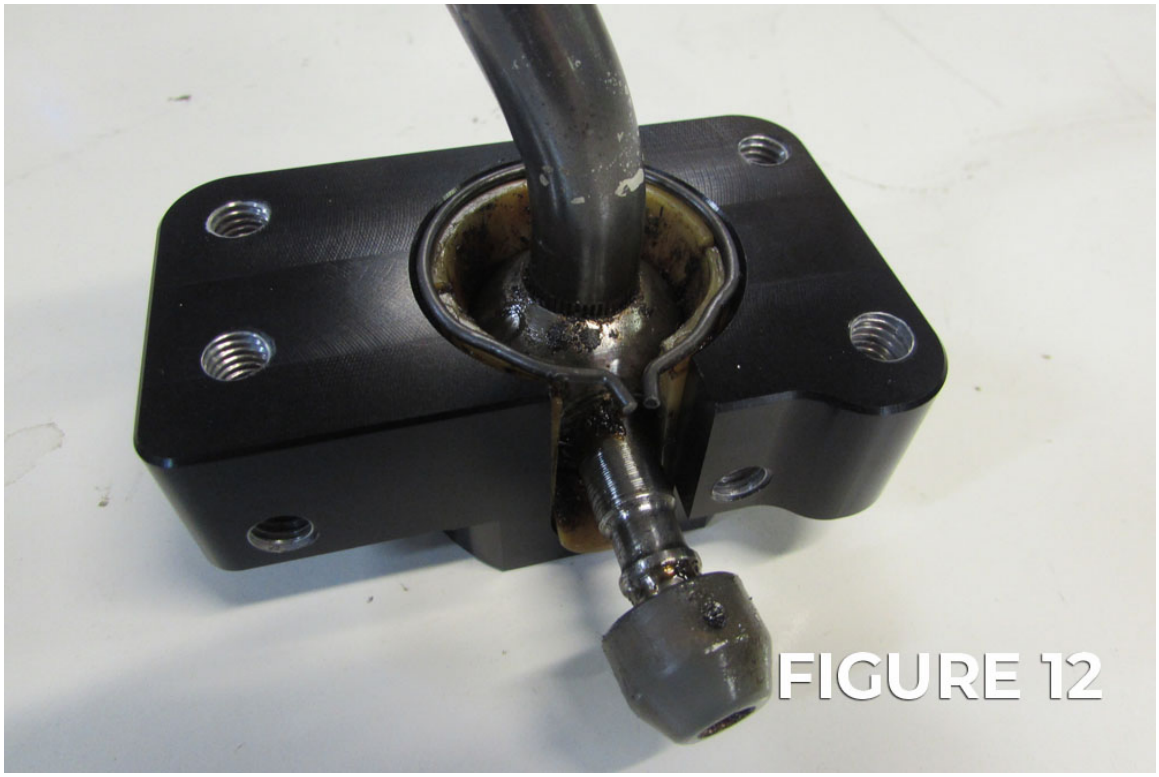


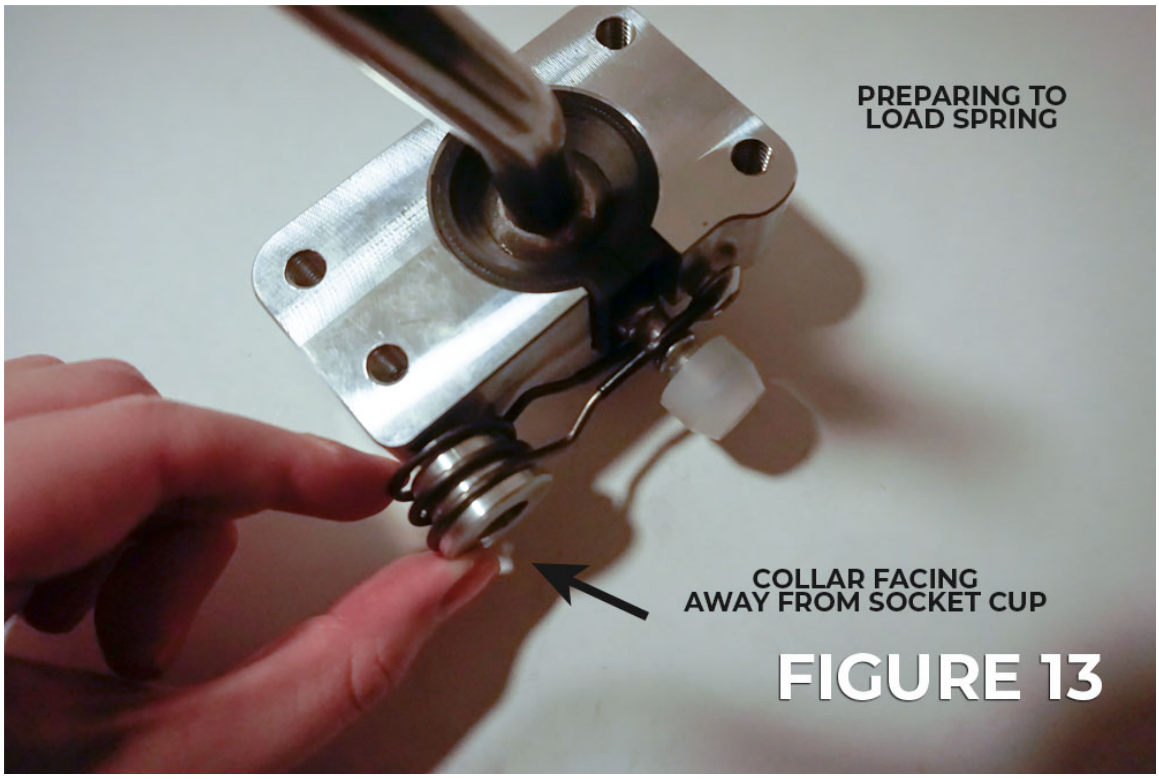
FIGURE 10

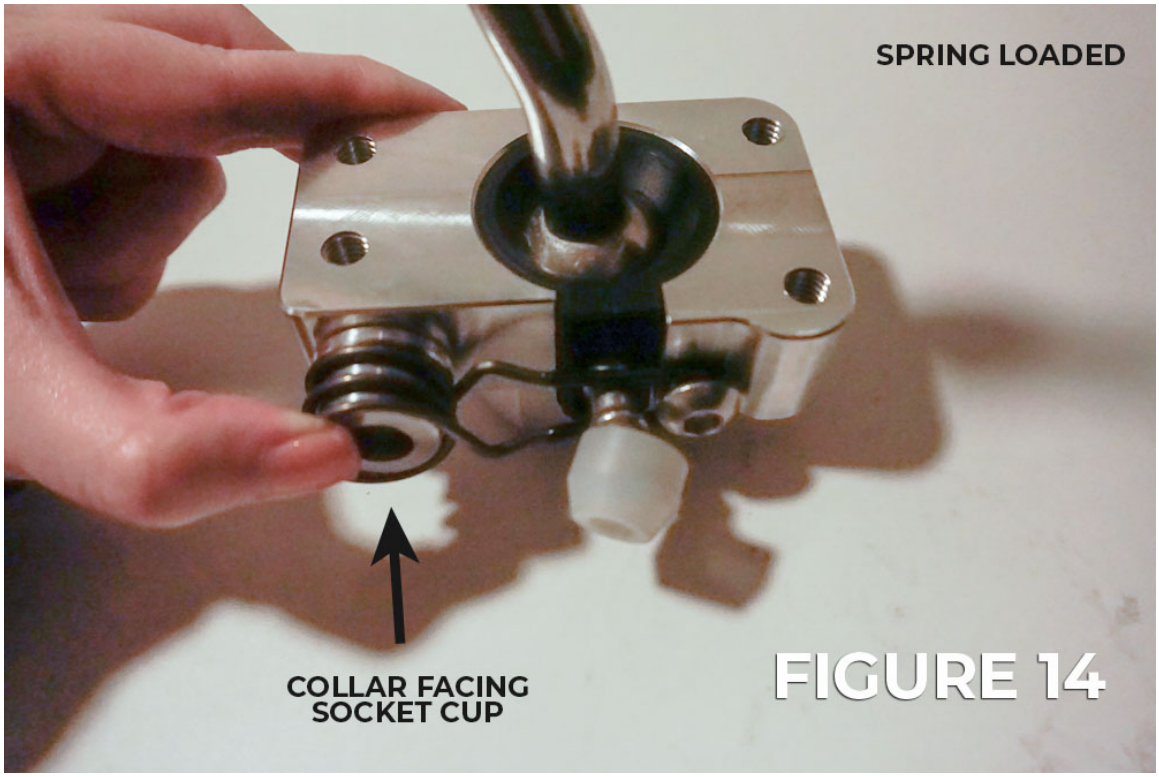
© 2019 Racer X Fabrication



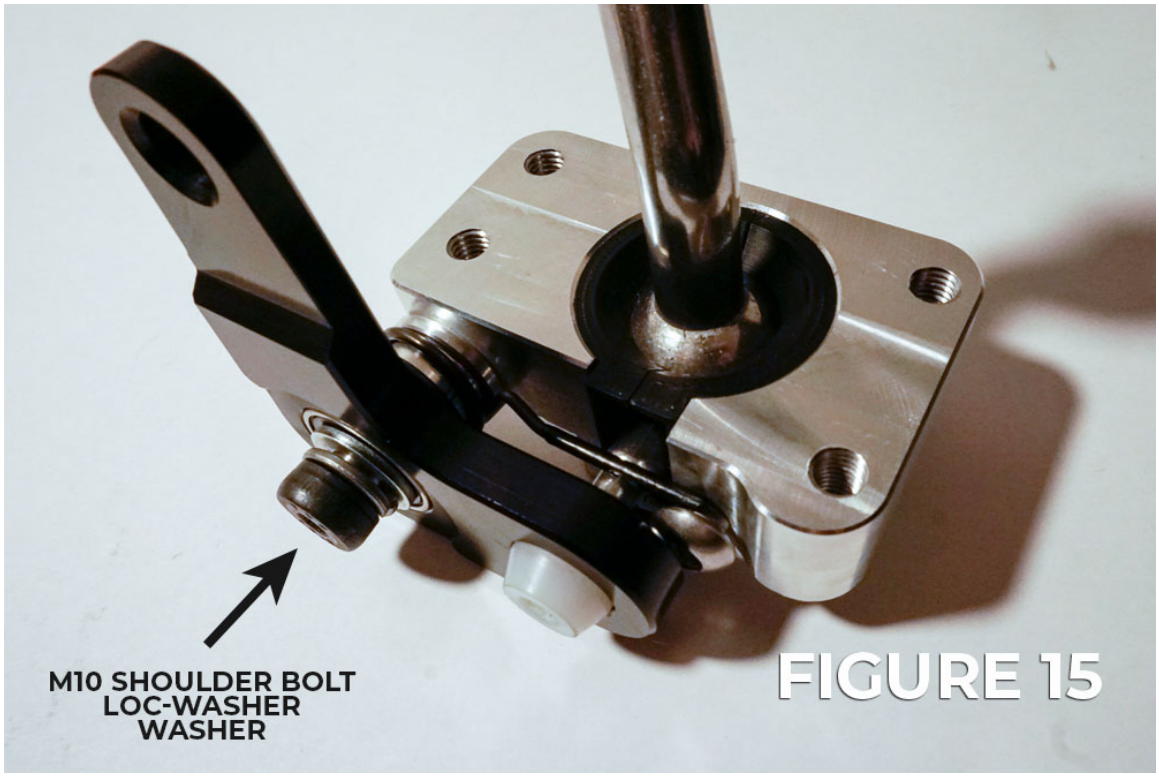


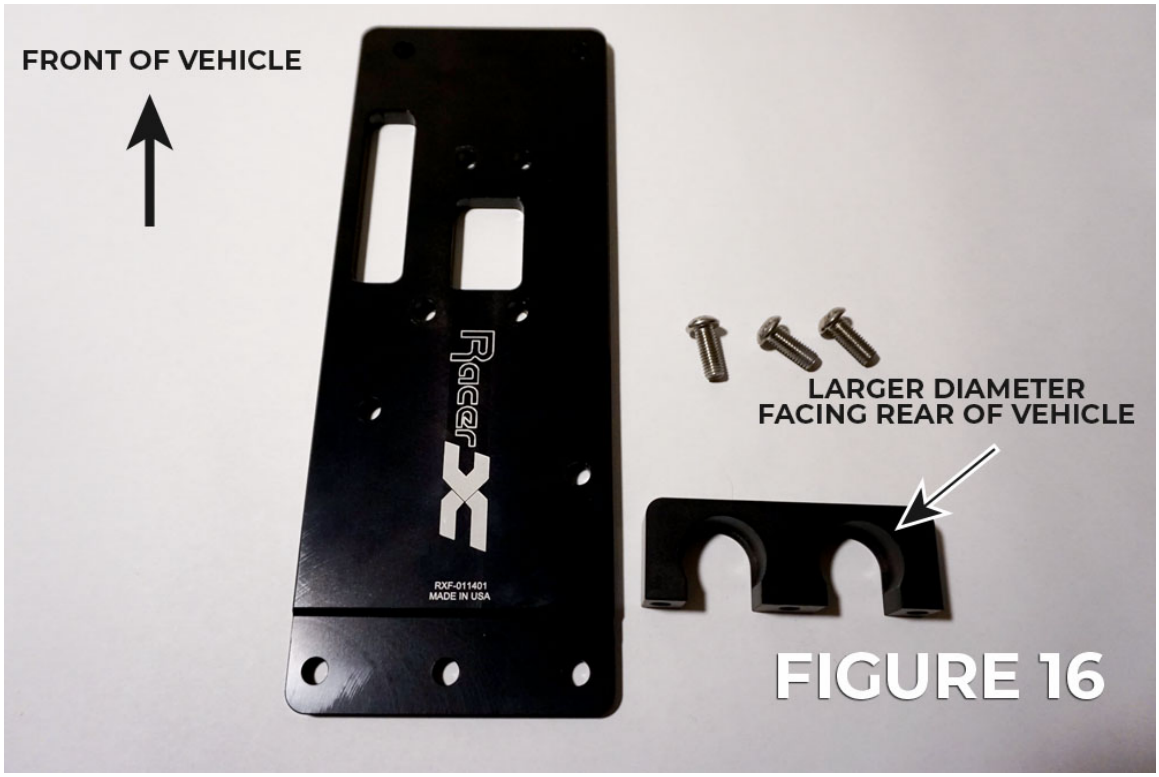
© 2019 Racer X Fabrication



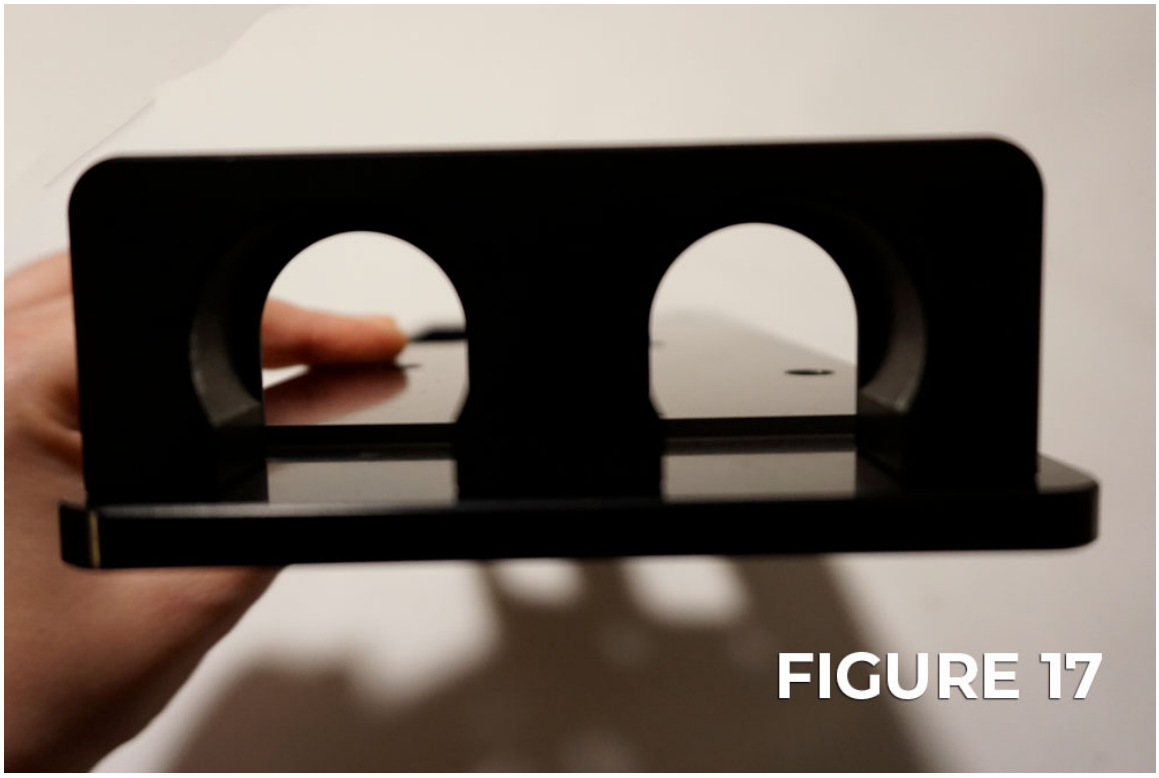


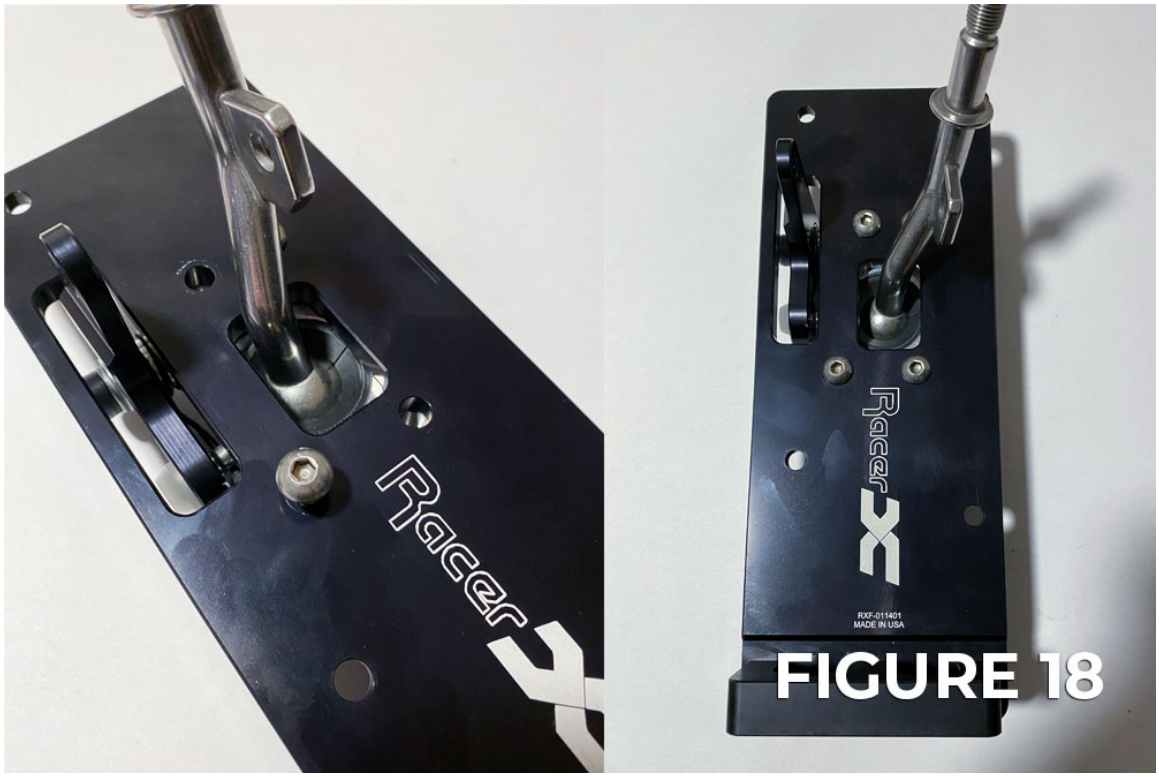
© 2019 Racer X Fabrication





© 2019 Racer X Fabrication





© 2019 Racer X Fabrication

FIGURE 19

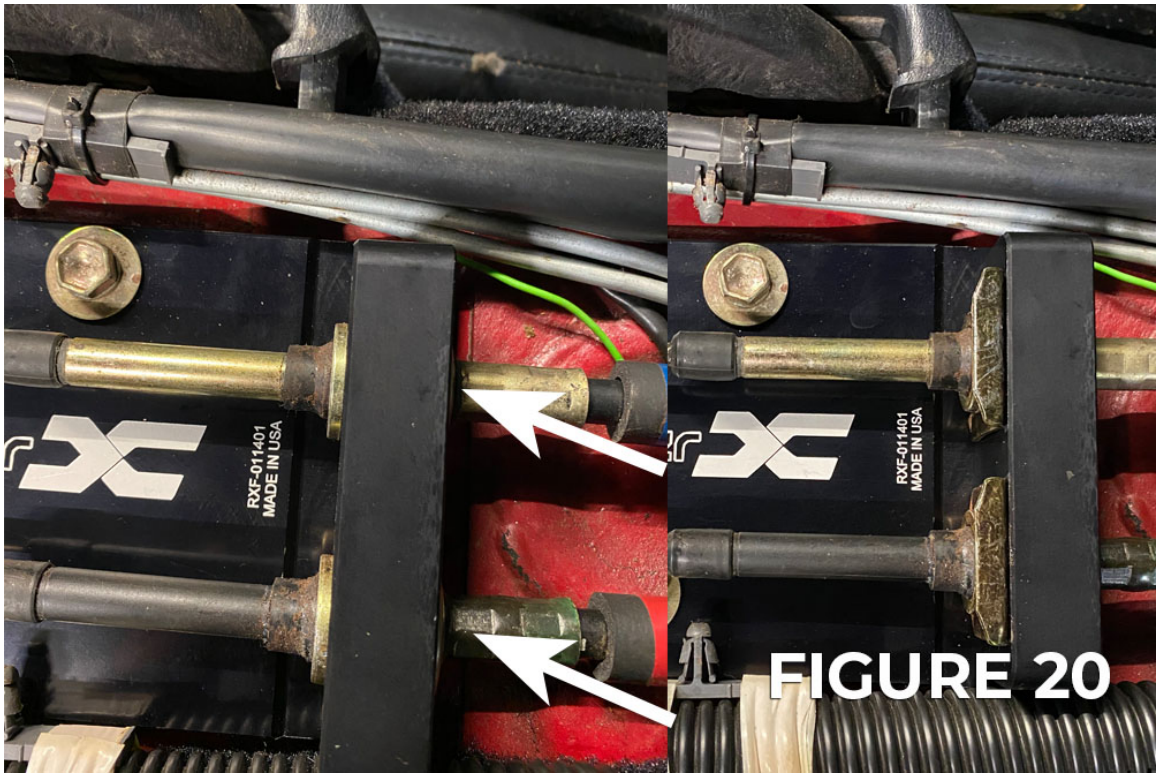
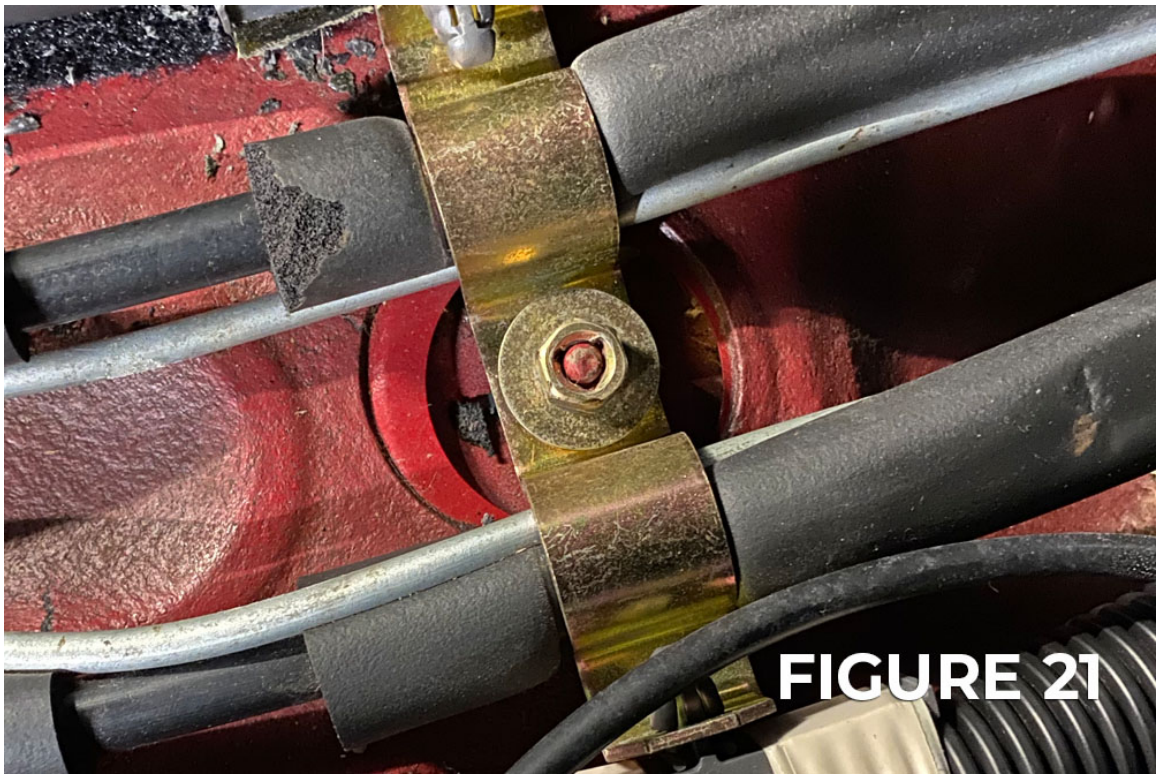
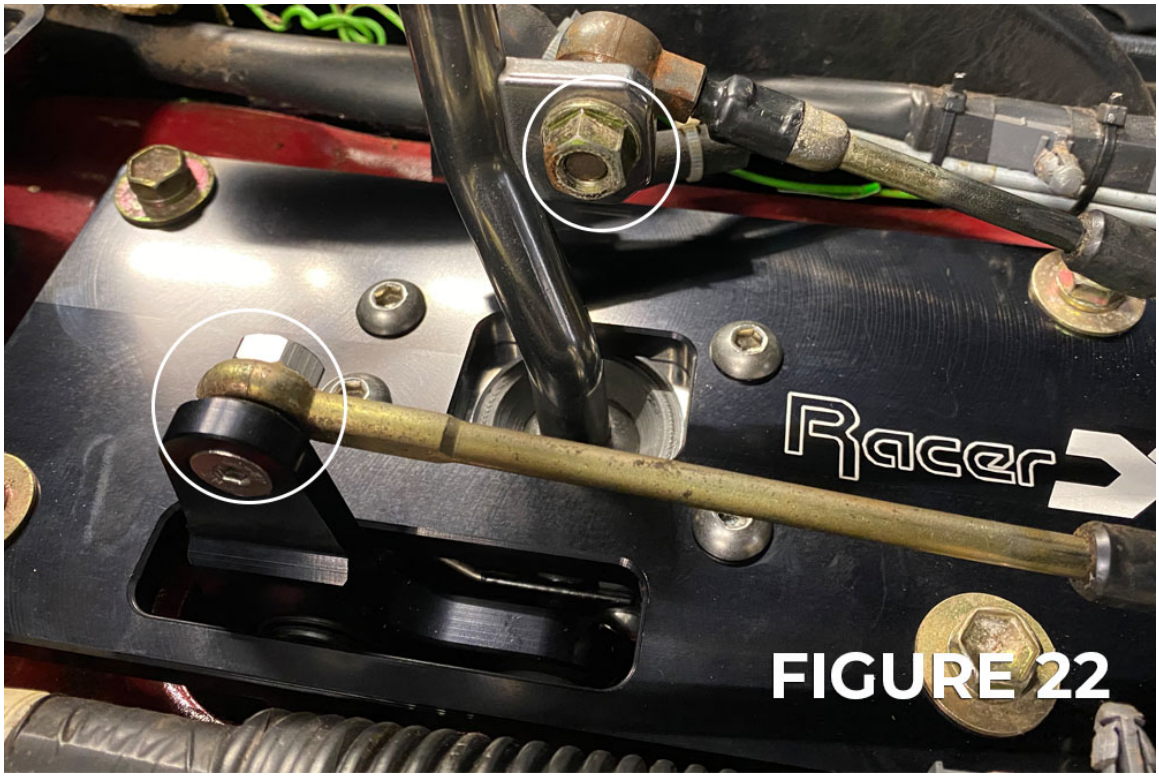


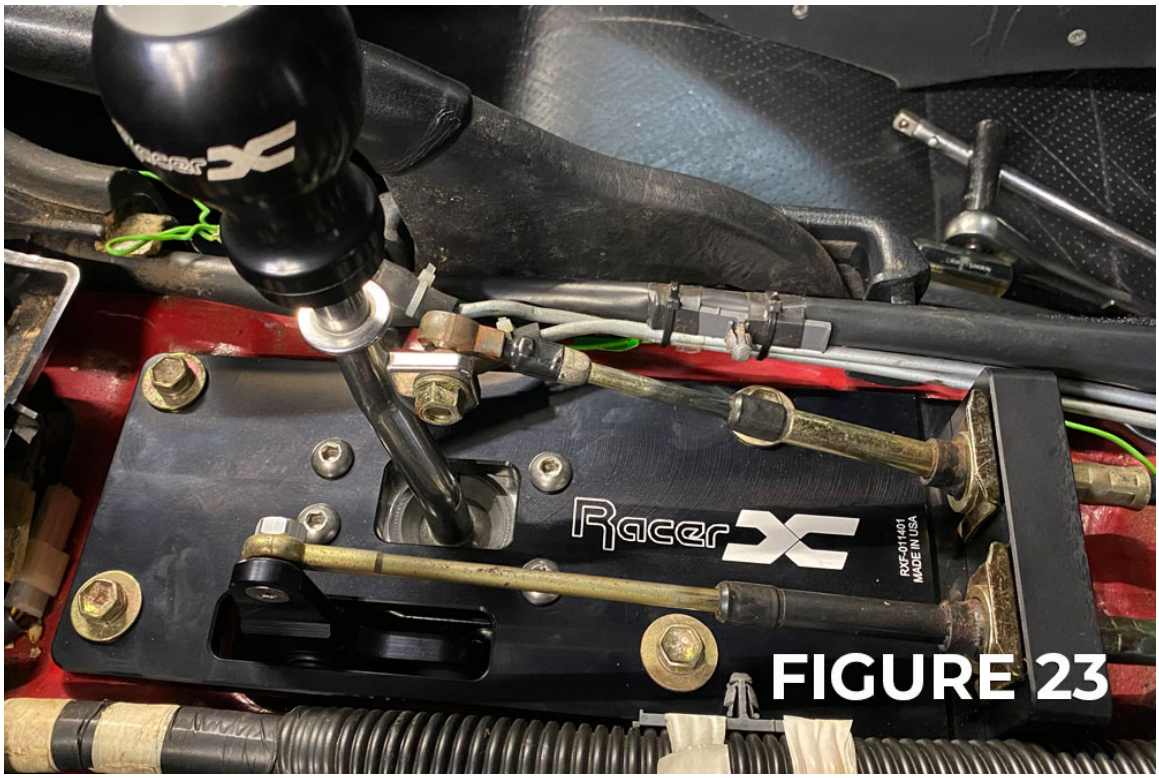
FIGURE 20

© 2019 Racer X Fabrication





© 2019 Racer X Fabrication



© 2019 Racer X Fabrication