

Installation Manual Torque Solution Short Shifter 2008 and up Mitsubishi Lancer Evolution X

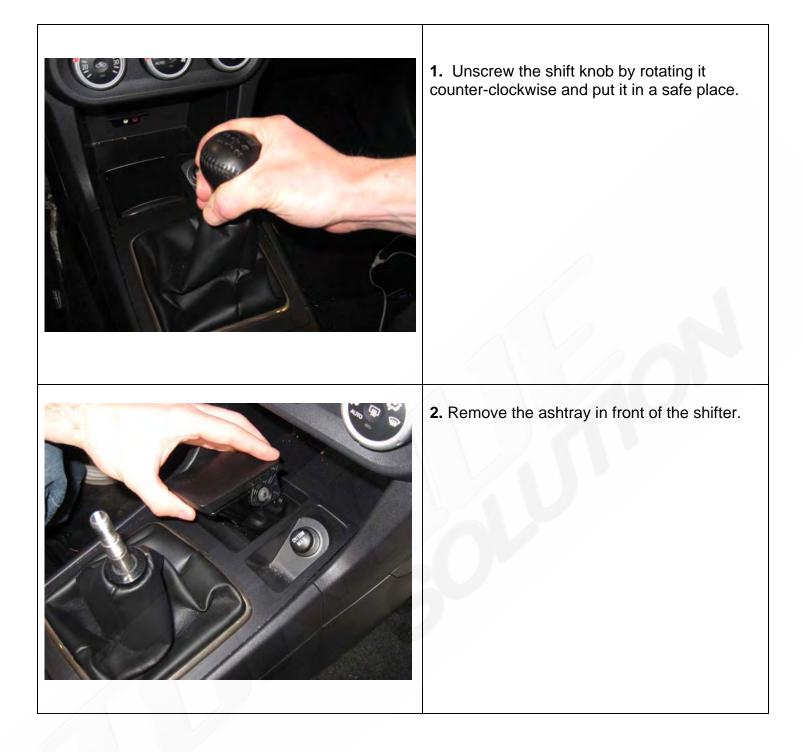
Please Note: It is preferable to park on a flat surface, as you will have to engage and disengage the hand brake and shift from gears to neutral. If you cannot do so and are obliged to install the short shifter on a slightly inclined surface, place wooden blocks in front and behind the wheels to prevent the car from moving while you're working. Please read this manual completely before beginning to work on your car.

Estimated Installation Time: 60 minutes shifter only, 75 minutes with base bushings Tools required:

- Flat head screw drivers (small and large)
- · Philips head screw driver
- Hammer
- · Flash light or shop light
- Needle nose pliers
- Rotary cutting tool (Dremel Tool) **Recommended
- · Shop towels or rags
- Metric socket set (with 8mm, 10mm, 12mm, 14mm sockets) and a ratchet with extension
- Punch set (screwdrivers may be substituted)
- Bench Vise
- All purpose automotive grease (white Lithium based grease preferred)

What you get in this kit:



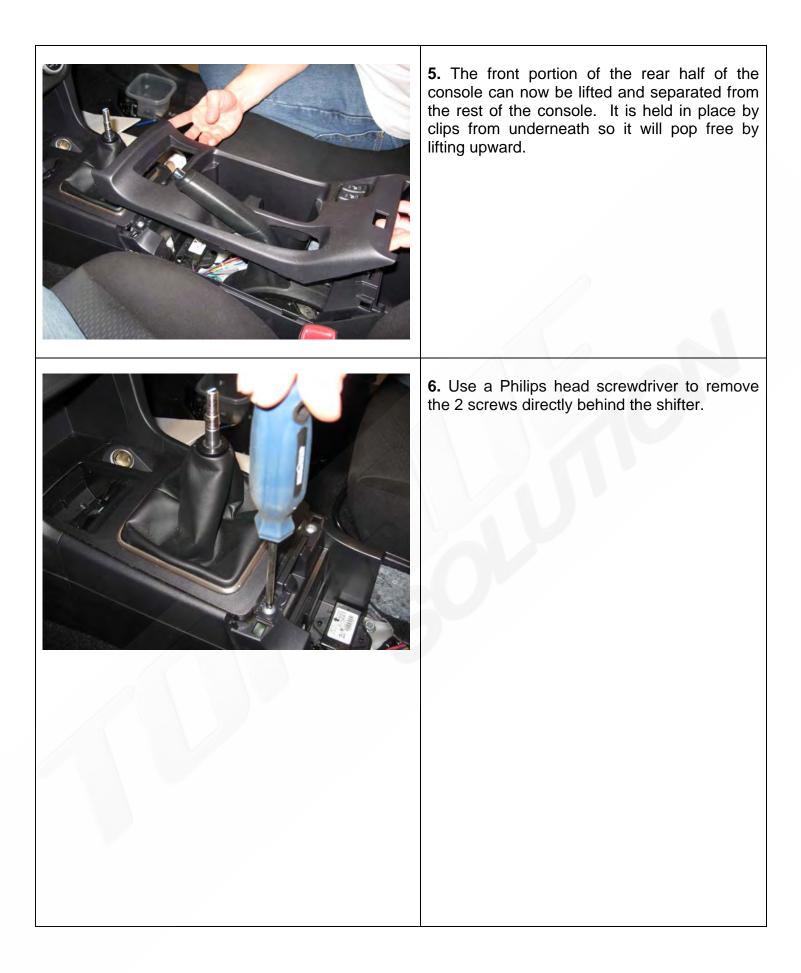




3. Remove the small storage compartment in front of the handbrake by pulling up on it as pictured to the left.

Disconnect the white wire under this compartment as shown to the left.

4. Begin removal of the center console by lifting the rear portion that surrounds the handbrake. Be sure the storage compartment lid is open to allow the back half of the rear portion to move freely.



7. The front portion of the console with the shift boot attached can now be lifted, however it cannot be removed from the car yet as there is a clip holding a wire at the front which must be removed as shown in the next step.
8. Use needle nose pliers to compress the tabs on the clip at the front part of this section. With the tabs depressed, the clip can be pushed through and out from the under side.
9. Turn this portion of the console over and disconnect the plastic plug for the lighter by pulling on the plastic portion. Do not pull on the wires. There are no tabs to depress on this clip, the connector simply slides off. The front portion of the console can now be removed from the car and put in a safe place.



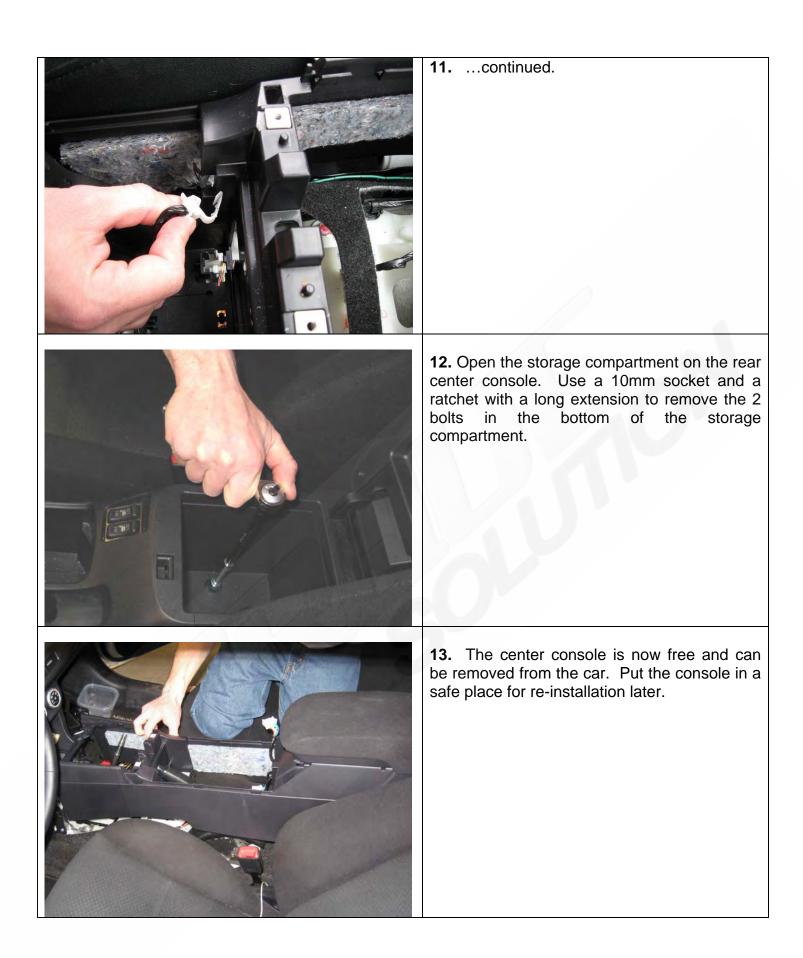
10. Use a Phillips head screwdriver to remove the 2 screws in front of the shifter that have been exposed by removing the front portion of the console in the previous step.



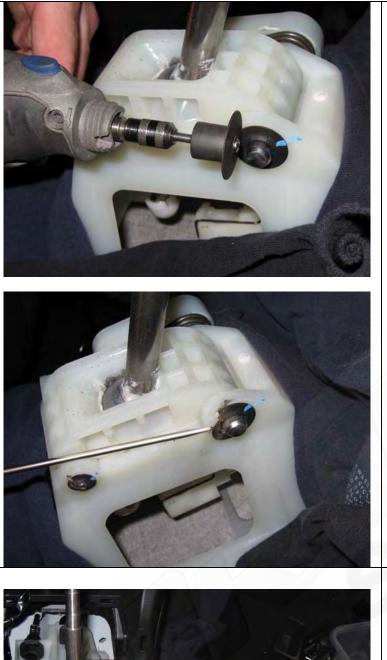
11. In order to remove the center console, you need to disconnect the white tab holding wires to the console as shown to the left. You can pry off the white tab from the black tab by using a flat head screwdriver.

Begin by prying off the accessible part of the white tab as shown to the left. You can then access the opposite side of the tab hidden underneath the console. Use you finger tips to remove the other side of the tab from under the center console.







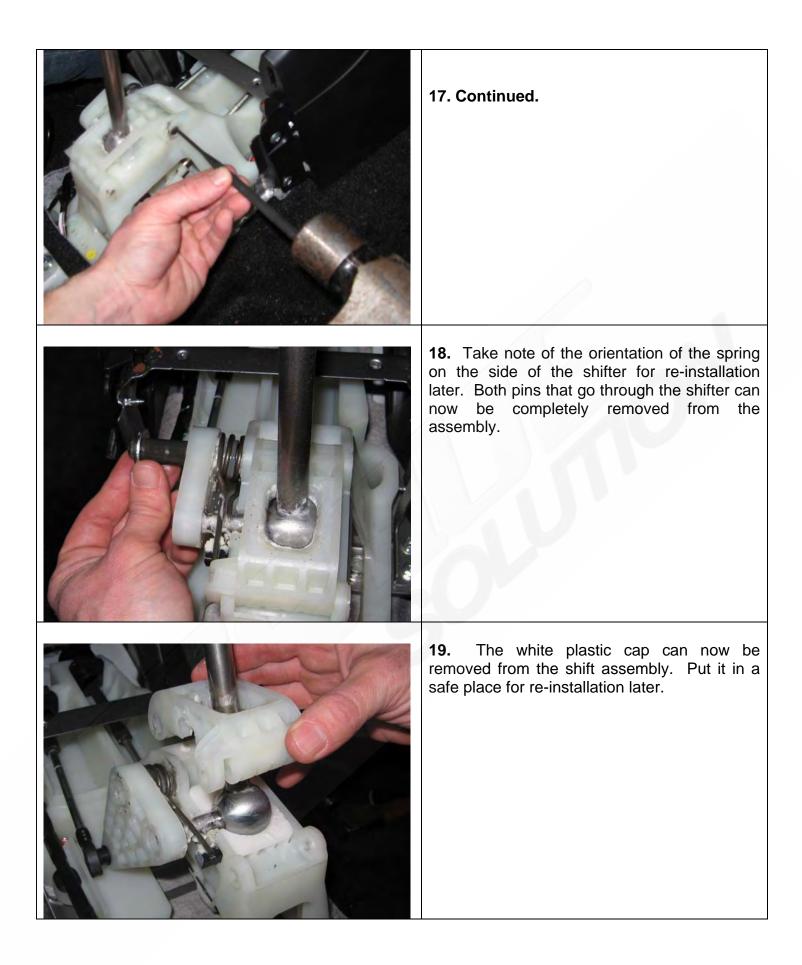


16. Continued.

Both methods are pictured to the left and on the previous page. The first image shows removal with a hammer and sharp flat head screwdriver, while the next two images show removal with a Dremel tool by slicing the clips and sliding them off with a screwdriver. Be sure to wrap shop towels or rags around the shift assembly to protect the interior from any debris while cutting.

17. With the 2 clips removed and side shifter cable disconnected, push the two pins out of the assembly using a hammer and a small punch. Use a screwdriver if a punch is not available.

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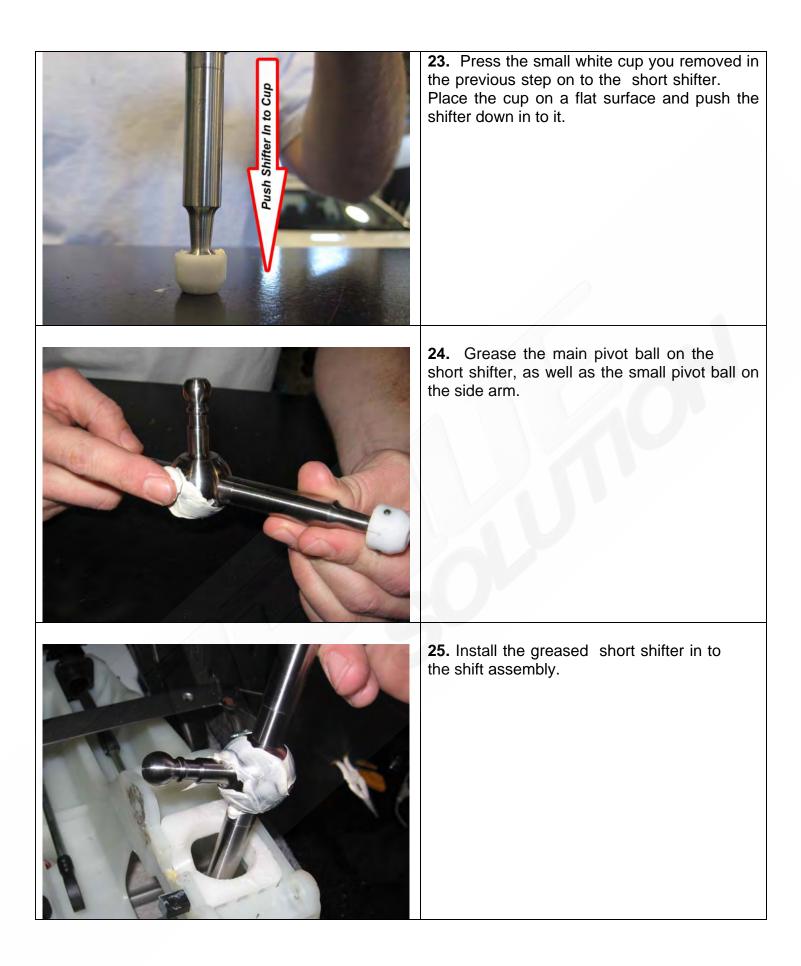
20. The plastic triangular side arm and spring can now be removed from the shift assembly. The shifter can now be pulled up and out of the shift assembly. Pay close attention to how the spring is installed on the side arm as you will have to re-install it later.



21. Remove the small plastic cup from the bottom of the stock shifter. To do so, hang the stock shifter on the Cup Remover Tool supplied with the kit on a vice with the jaws open about 1 inch as pictured to the left. Be sure the stock shifter is inserted completely in to the slot in the cup remover tool. Ask an assistant to hold the stock shifter to avoid it falling to the ground when the cup is separated from it. Use a punch or screwdriver and a hammer to punch the stock shifter out of the plastic cup.



22. Grease the small ball on the bottom of the short shifter as shown at left.Torque Solution recommends using white lithium based grease, however any automotive grade grease will suffice.



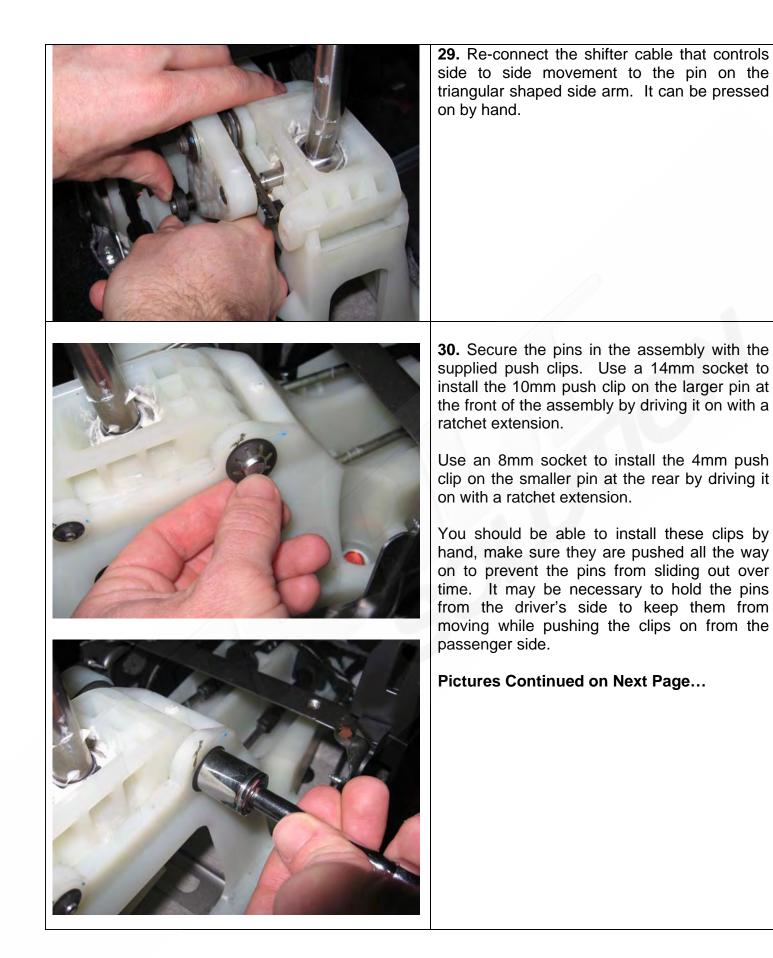


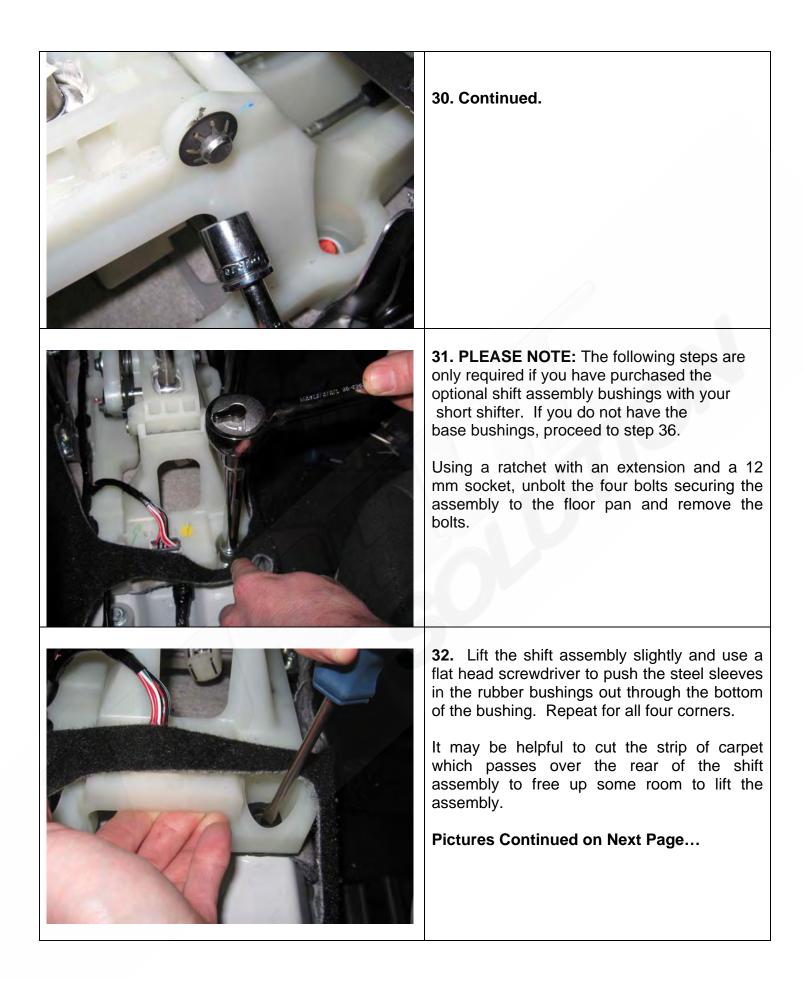
26. Re-connect the lower shifter cable to the shifter. If you left the steel clip in place on the shift cable, the cable can simply be pressed on to the plastic pivot cup until the steel clip snaps in to place. Lower the short shifter in to place making sure the bottom rectangular pivot cup with the o-ring is seated properly in the shift assembly.

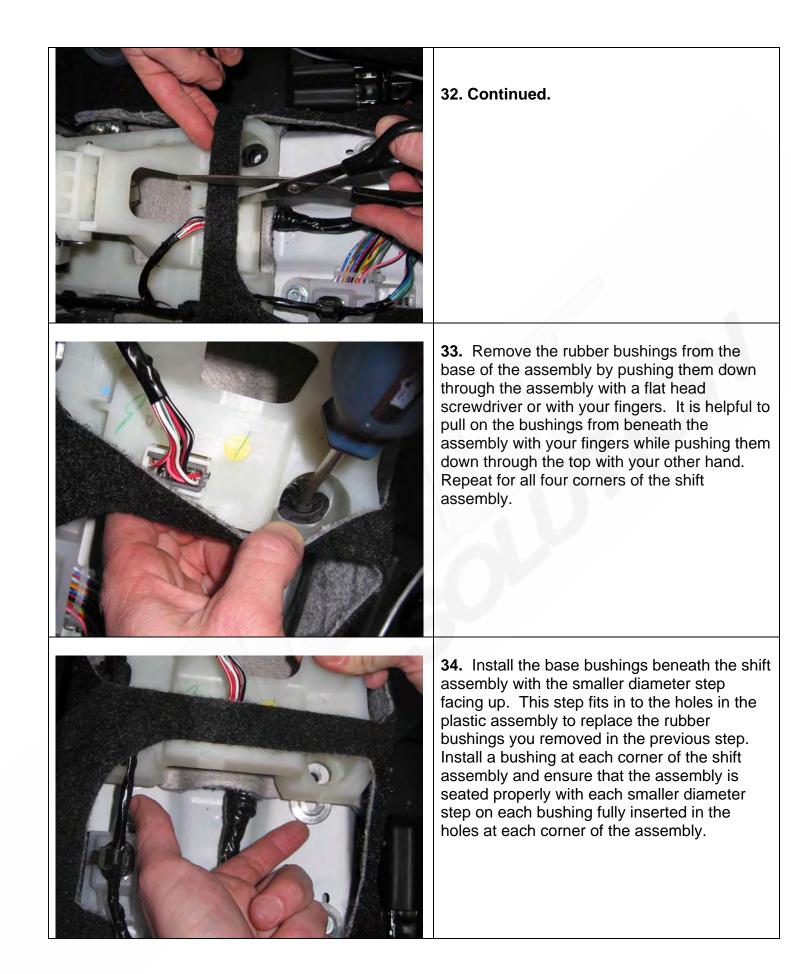
27. Re-install the spring for the triangular shaped side arm ensuring it's orientation is correct as pictured to the left.

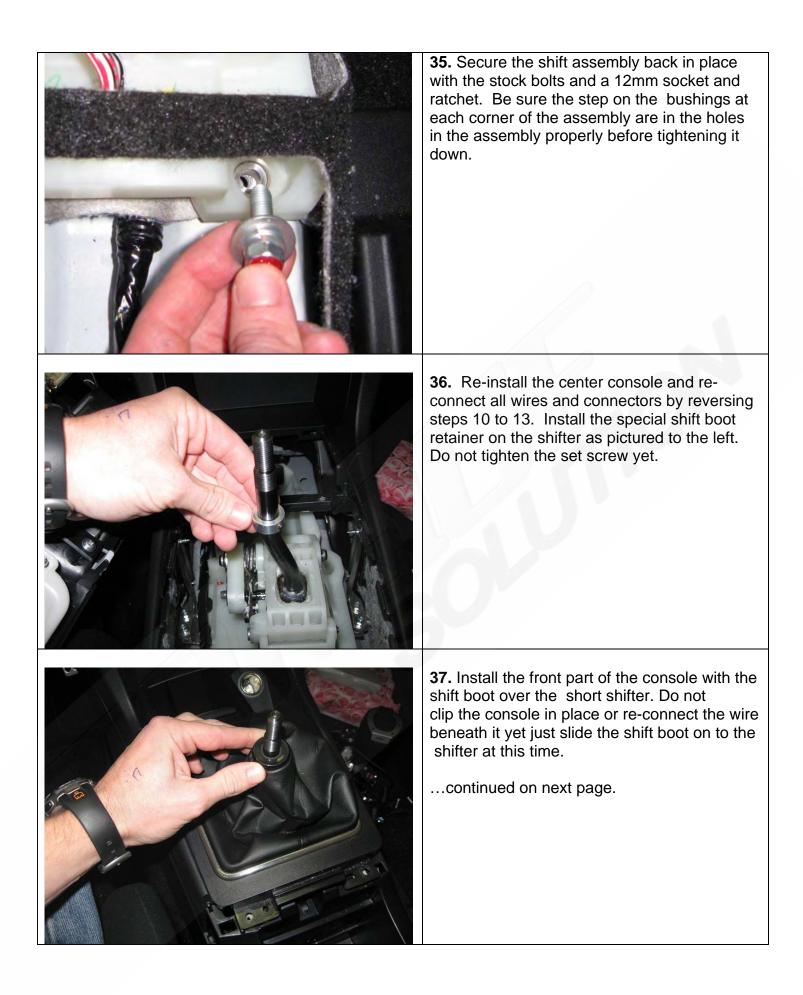


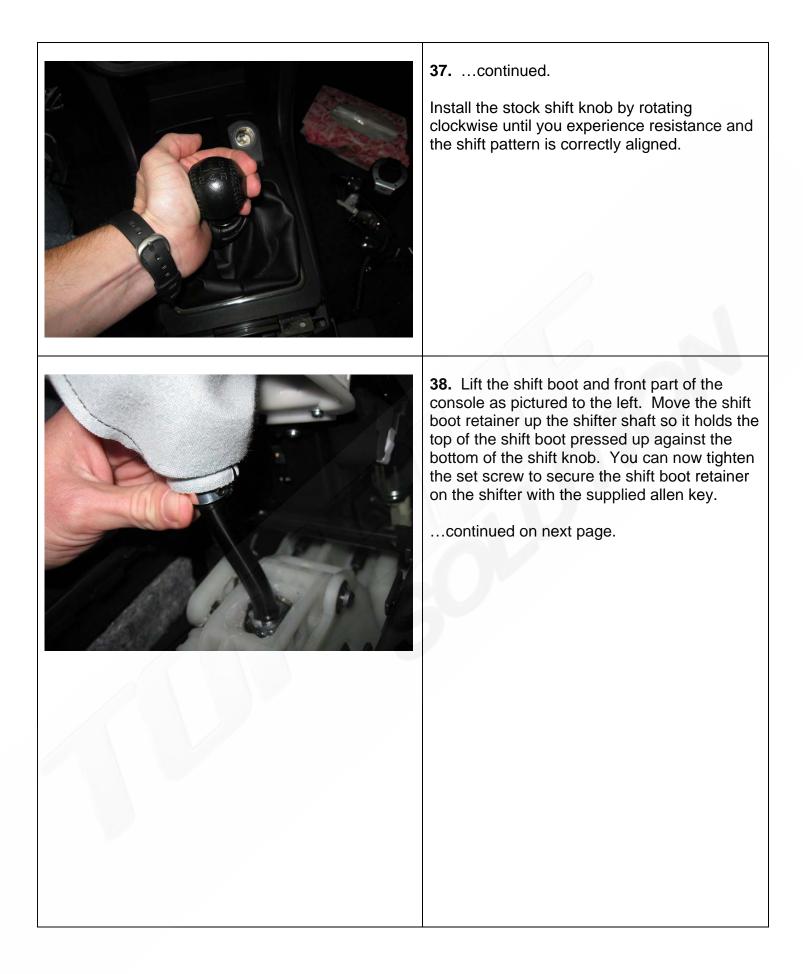
28. Re-install the top white plastic cap and the triangular shaped side arm. Be sure the shifter is properly seated in the bottom pivot cup, and that the side arm spring pivot is inserted in to the spring. Now re-insert both of the pins which secure the top white plastic cap. It may be necessary to lightly tap them through the assembly with a hammer to be sure they are fully inserted through the assembly.





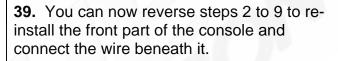








38. ...continued. Pictured to the left is the special shift boot retainer secured to the shifter.



You are done, enjoy the drive and thank you for choosing Torque Solution!

