



Installation Manual TWM Performance Short Shift Kit 2006 and up Mitsubishi Eclipse

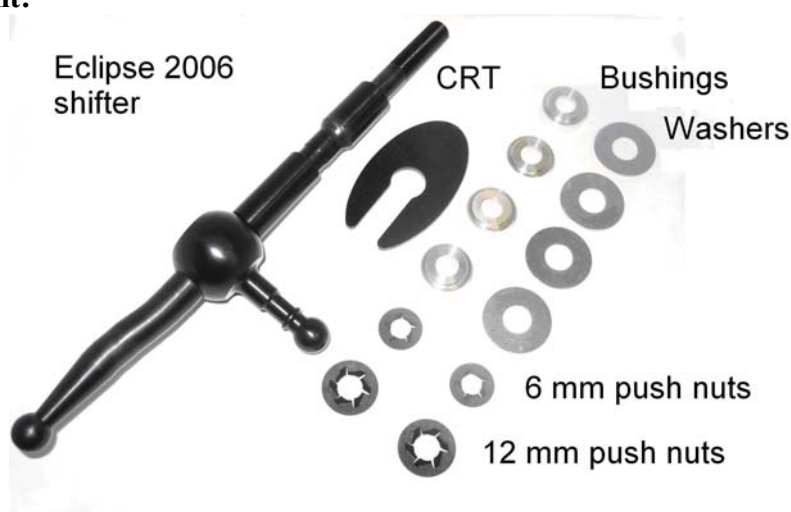
It's preferable to park on a flat surface, as you will have to engage and disengage the hand brake and shift from gears to neutral. If you can't do so and are obliged to install the short shifter on a slightly inclined surface, place wooden blocks in front or behind the wheels to prevent the car from moving while you're working.

Estimated Installation Time: 120 minutes

Tools required:

- Flat screw driver (small and large)
- Philips screw driver
- Flash light
- Needle nose pliers
- Rotary tool and/or handsaw
- 14 mm socket
- 8 mm socket
- Hack saw
- File
- All purpose grease

What you get in this kit:





1. Undo the push button at the top of the shift boot and push the shift boot down. Then unscrew the shift knob by rotating it counter-clockwise.



2. Inside the rear center console, pop the cover using a small flat head screwdriver and disconnect wires and clips to be able to completely remove the cover.





3. Pop the upper center console out by pulling on it with both hands on each side. There are clips on both sides and at the top. Disconnect the wire behind it and put it in a safe place.



4. By placing your hands on both sides and under the top of this part, pull on it and disconnect the wires behind it.

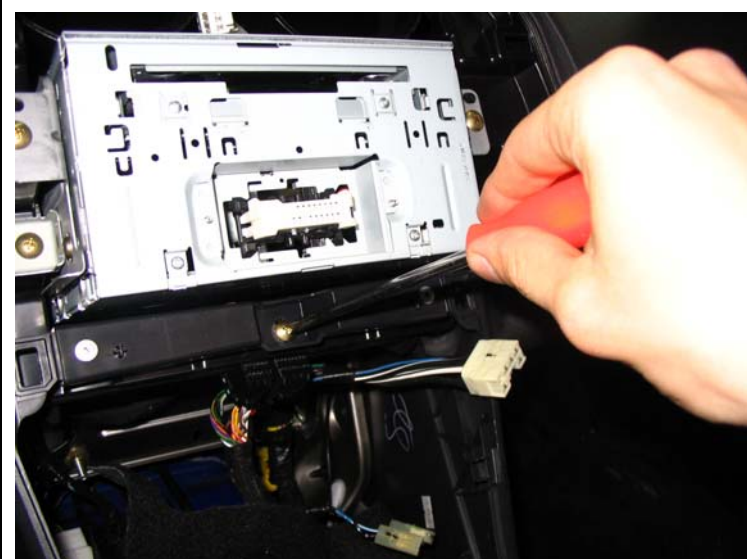


5. Starting from the armrest, unclip the center console covering the handbrake mechanism and shifter mechanism, making your way toward the front. Disconnect the 12V plug wire and the heated seats switches too.



6. You should now have access to 8 screws. Remove them using a Philips screwdriver. There are 3 screws under the arm rest, 4 screws in front of the shifter and 1 screw just under the upper center console you have removed on step 3.





7. The very front of the main console is held in place by plastic clips (one on each side). To remove them, pry the center cap out with a small flat head screwdriver and pull on it. Lift the rear end of the main console to be able to disconnect the heated seats controls and 12V plug. Lift the front end of the main console and pull it out of the car in a safe place. Be careful not to scratch the interior of the car as you do that. This step is easier to do with the handbrake down and the front seats tilted backward.



8. You now have to remove the black plastic piece that goes over the shifter assembly. It may be easier to remove the clip holding the carpet on the dash frame on the passenger side, it gives more space to work. Using a short Philips head screw driver, remove all 4 screws, 2 on each side and put the plastic part aside.

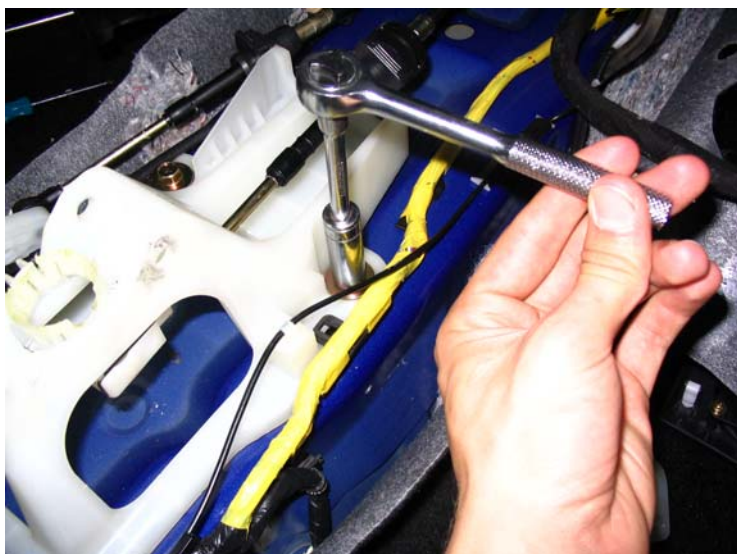
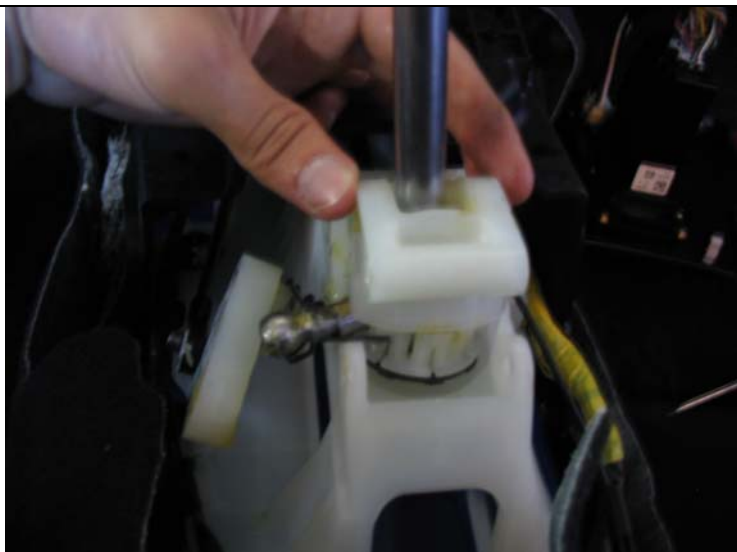


9. In order to remove the shifter, the 2 push nuts holding the two pins need to be removed or cut with a rotating tool. If you don't have access to rotating tool, use a sharp flat head screwdriver and a hammer and work your way around the push nut to remove it. New push nuts are provided in the kit if they are broken. When this is done, push the two pins out using a hammer and a small punch.



10. To remove the shifter, spread the legs apart and push the cable down. The shifter can now be pulled up, but pay attention at how the spring is installed as you will have to re-install it later.



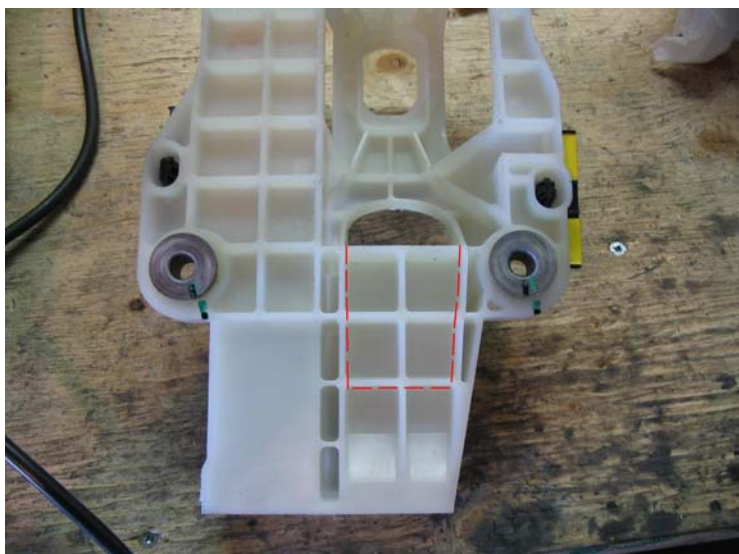


11. Using a ratchet wrench and a 12 mm socket, unbolt the assembly.



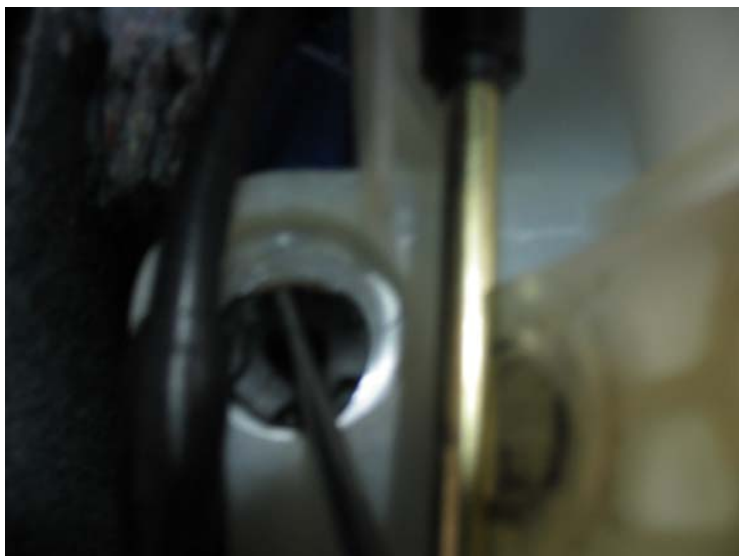


12. Detach the shift cables from shift assembly by pulling up on them. Unclip all wires from the main assembly in order to remove it.



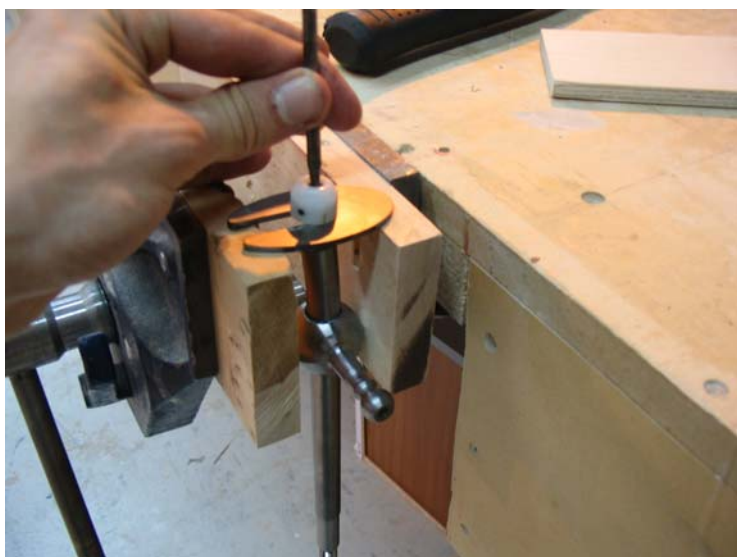
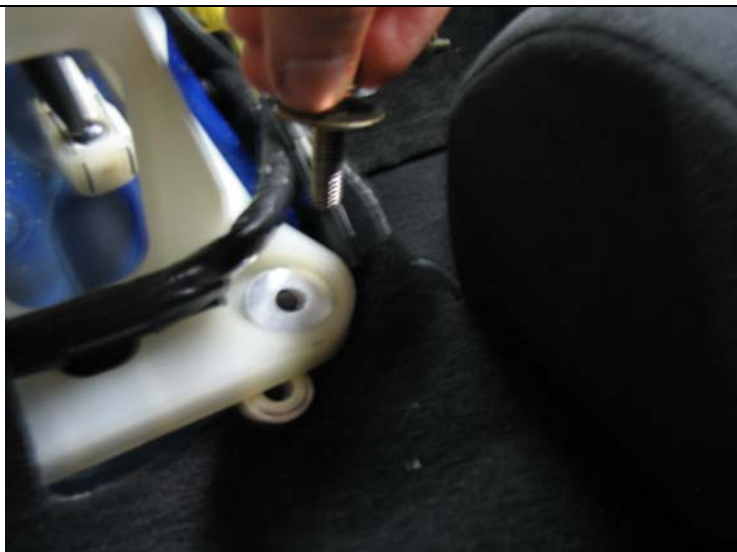
13. To make the TWM short shifter work properly, a small part of the assembly needs to be cut. Using a hack saw and/or a rotating tool, remove the plastic section shown. File the rough edges to remove remaining plastic that could have been left.





14. Remove the metal sleeves inside the grommets by pushing on them with a flat head screw driver and remove the grommets. Place the TWM assembly bushings and bolt the assembly back into place.





15. Take the stock shifter and using the Cup Remover Tool, supplied in the kit, a vice, a punch and a hammer, punch the stock shifter out.



16. Grease the TWM short shifter as shown on the picture and press the cup removed on step 12 on the TWM short shifter.





17. Re-install the shifter and console going through steps 12 to 1 and enjoy the ride!

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