



2016 & Up ND/RF Miata Short Shifter Installation Instructions

Tooling:

- ✓ Socket wrench
- ✓ 4" socket extension
- ✓ 10mm, 12mm and 13mm socket
- ✓ Philips head screw driver
- ✓ Thin blade flat head screw driver
- ✓ Red Silicone RTV

Parts List:

- ✓ One (1) Short shifter
- ✓ Four (4) 8mm x 35mm bolts
- ✓ Three (3) 6mm x 25mm bolts
- ✓ Three (3) 6mm flat washers
- ✓ Three (3) 6mm lock washers
- ✓ One (1) grease packet

1. Remove the shift knob by turning it counter clockwise



2. Remove the shifter boot bezel by hooking your fingers under the bezel in the areas by the arrows and tugging straight up.



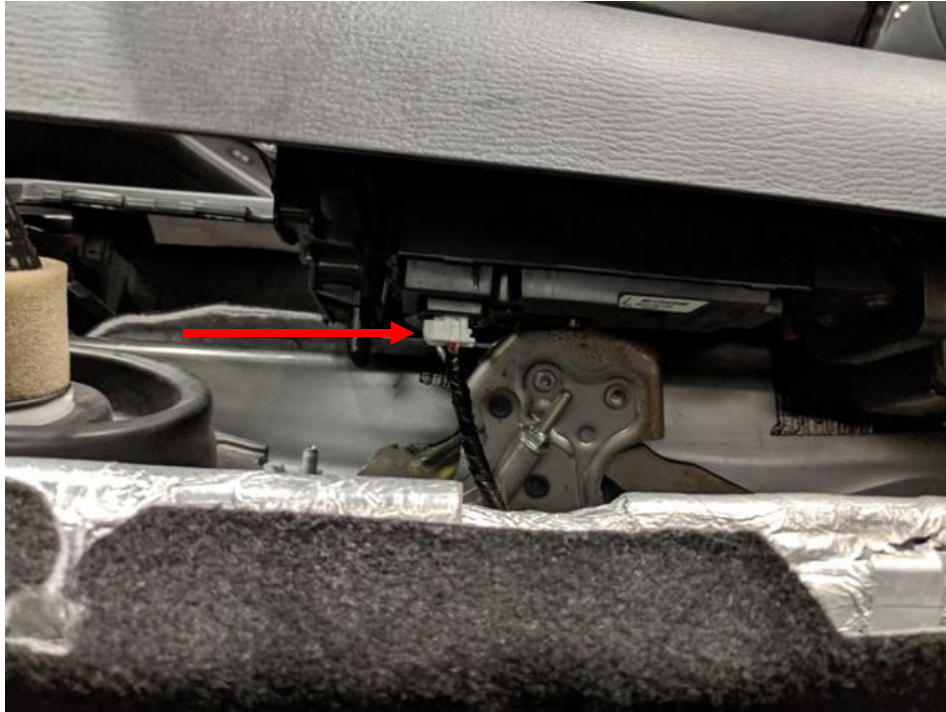
3. Remove the 2 philips head screws securing the console in front of the shifter.



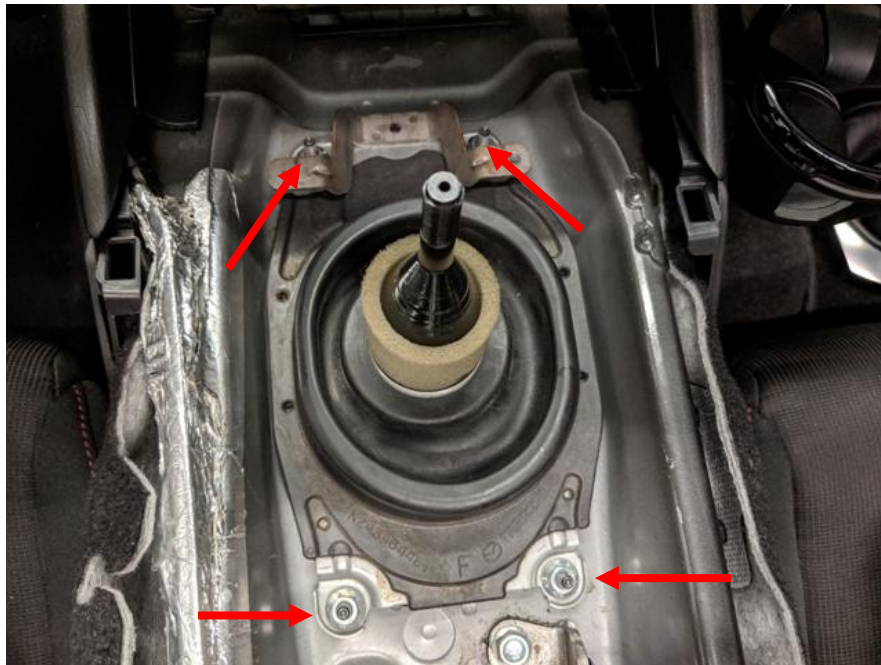
4. Remove the console by hooking your fingers under each edge of the console and tugging up at the same time from each side in the area by the arrows.



5. Tilt the console towards the passenger side and remove the electrical connector.
6. Fully engage the emergency brake, tilt the console forward and slip it off the emergency brake.



7. Using a 10mm socket remove the rubber boot and bracket surrounding the shifter.



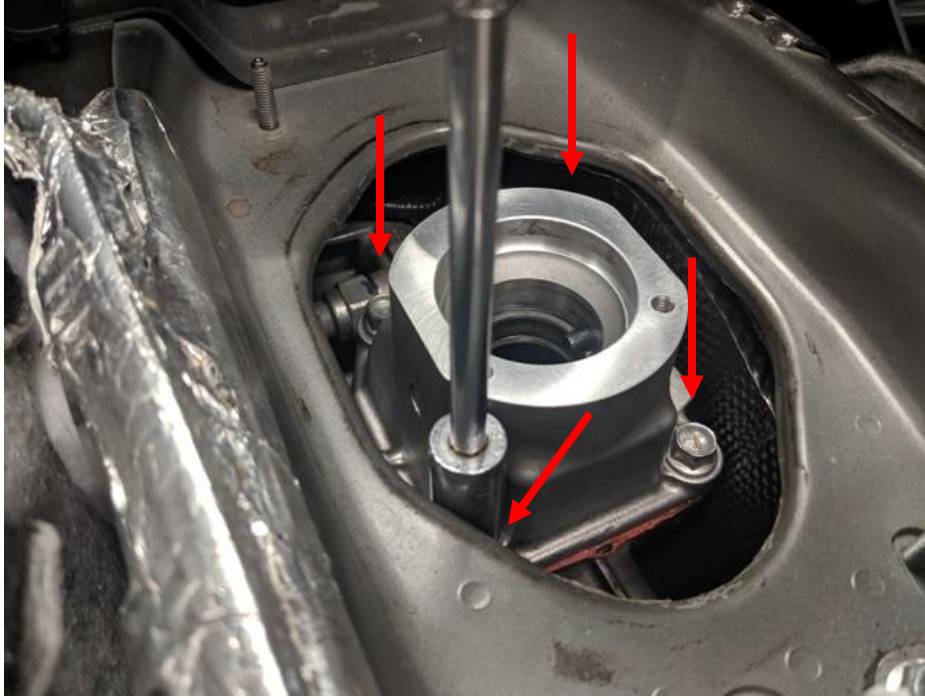
8. Remove the next rubber boot surrounding the top of the transmission.



9. Remove 3, 10mm bolts holding the shifter into the top of the transmission and lift the shifter straight up and out.



10. Using a 12mm socket and short extension remove the 4 bolts securing the upper cup to the transmission.



11. Using a pry bar in the areas shown below, patiently remove the upper cup from the transmission. It is held on with silicone sealant and it will take some effort to get it off.





12. Using a rag and some pressure, remove the silicone sealant from the top of the transmission and the bottom of the cup removed in the previous step. Get both as clean as possible.



13. Put a thin film of red RTV sealant on the top of the transmission, then place the spacer include with your JBR shifter on top of the transmission being sure to line up the indexing pins.



14. Put another thin coat of red RTV on top of the spacer installed in the previous step and install the upper cup removed in step 10. Using the 4, 35mm bolts include with your kit, secure the upper cup to the transmission and tighten to 14 ft/lbs with a 13mm socket and short extension.



15. Slide a thin blade screw driver or razor knife under each end of the plastic pivot guide and wiggle the plastic pivot guides out of the OEM shifter and install them into your new JBR Short Shifter.



16. Apply some grease to the large ball, line up the pivot guides with the pivot pins in the upper cup and lower your New JBR Short Shifter into the upper cup. Wiggle the shifter as you lower it to allow the upper pivot spacer of the shifter and the wave spring to settle all the way down in to the upper cup.



17. Place the upper cup cover and cup cap over the shifter and on to the upper cup of the transmission. Use the 3 6mm x 25mm bolts, flat washers and lock washers included and tighten to 8 ft/lbs with a 10mm socket.



18. Reinstall the boot removed in step 8.
19. Reinstall the boot and bracket removed in step 7 and tighten to 12 ft/lbs with a 10mm socket.
20. Reinstall the console, and electrical connection.
21. Reinstall the 2 philips head screws and shifter boot bezel.

**Congratulations!! You've now completed the installation of
you New JBR Short Shifter!!**