



## Installation Manual

### **TWM Performance Shifter Base Bushings**

### **2008 Mitsubishi Lancer**

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:** 45 minutes

**Tools required:**

- Flat head screw drivers (small and large)
- Philips head screw driver
- Flash light or shop light
- Needle nose pliers
- Shop towels or rags
- Metric socket set (with 10mm and 12mm sockets) and a ratchet with extension



**1.** Unscrew the shift knob by rotating it counter-clockwise and put it in a safe place.

Remove the small plastic adapter at the base of the shift knob (pictured lower left) as well. Keep this piece for re-installation later.





**1. Continued...**



**2. Remove the ashtray in front of the shifter.**



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



**5.** The front portion of the rear half of the console can now be lifted and separated from the rest of the console. It is held in place by clips from underneath so it will pop free by lifting upward.



**6.** Turn this portion of the console on it's side to gain access to the wires beneath it. Disconnect the plastic connector for the heated seats switches.





**7.** Use a Philips head screwdriver to remove the 2 screws directly behind the shifter.



**8.** 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.



**9.** 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.



**10.** 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.



**11.** 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.



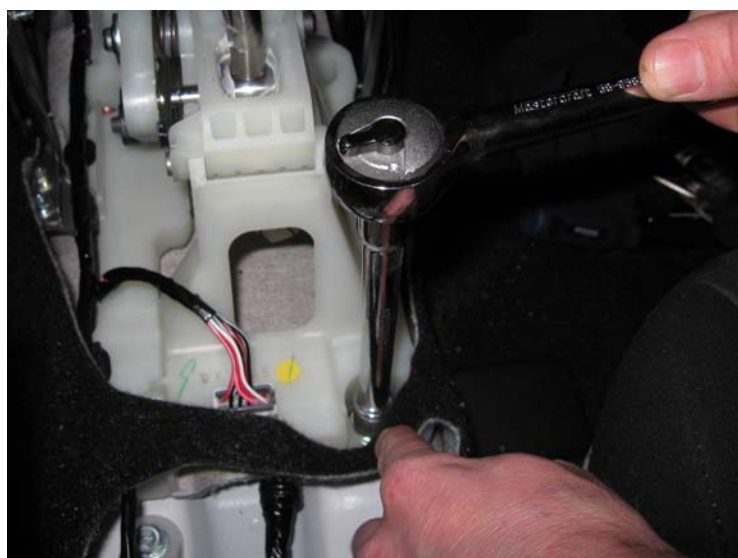
**12.** Disconnect the 3 plugs located behind the shifter and next to the handbrake in the bottom of the console. These connectors have tabs that must be depressed in order to disconnect them.



**13.** Open the storage compartment on the rear center console. Use a 10mm socket and a ratchet with a long extension to remove the 2 bolts in the bottom of the storage compartment.



**14.** The center console is now free and can be removed from the car. Put the console in a safe place for re-installation later.

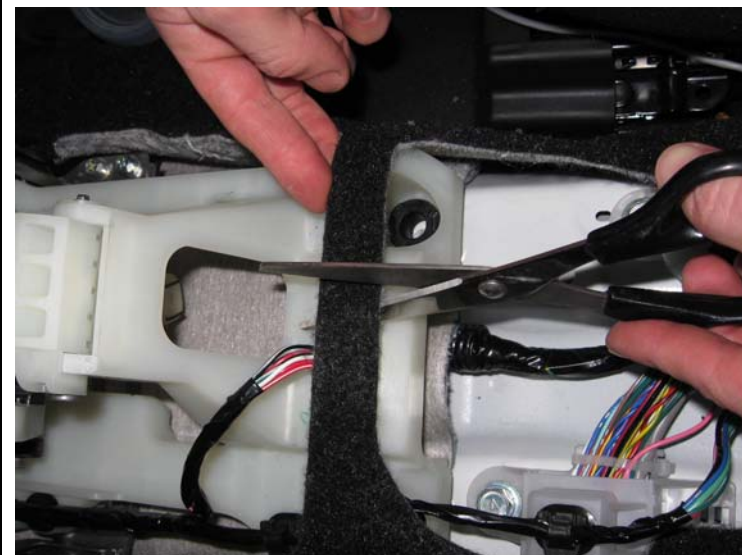


**15.** Using a ratchet with an extension and a 12 mm socket, unbolt the four bolts securing the assembly to the floor pan and remove the bolts.



**16.** Lift the shift assembly slightly and use a flat head screwdriver to push the steel sleeves in the rubber bushings out through the bottom of the bushing. Repeat for all four corners.

It may be helpful to cut the strip of carpet which passes over the rear of the shift assembly to free up some room to lift the assembly.



**17.** Remove the rubber bushings from the base of the assembly by pushing them down through the assembly with a flat head screwdriver or with your fingers. It is helpful to pull on the bushings from beneath the assembly with your fingers while pushing them down through the top with your other hand. Repeat for all four corners of the shift assembly.



**18.** Install the base bushings beneath the shift assembly with the smaller diameter step facing up. This step fits in to the holes in the plastic assembly to replace the rubber bushings you removed in the previous step. Install a bushing at each corner of the shift assembly and ensure that the assembly is seated properly with each smaller diameter step on each bushing fully inserted in the holes at each corner of the assembly.



**19.** Secure the shift assembly back in place with the stock bolts and a 12mm socket and ratchet. Be sure the step on the bushings at each corner of the assembly are in the holes in the assembly properly before tightening it down.



**20.** Re-install the center console, re-connect all wires and connectors, and install the shift knob by reversing steps 1 to 14. You are done, enjoy the drive !



### Legal Disclaimer

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### Warranty

Installation of some TWM Performance products may or may not void factory warranties. Always keep OEM equipment that has been replaced in case work is required at the dealer or the vehicle is sold.

This warranty covers the **original purchasing consumer**. This warranty is limited to repair or replacement by TWM Performance of any TWM Performance product that fails because of a defect in materials or workmanship.

Warranty does not cover the following:

- Damage incurred to related vehicle components
- Regular day to day wear on vehicle
- Shipping costs for replacements
- Installation costs and vehicle down time
- Products that have been modified, incorrectly installed or misused.
- Mounting hardware and bearings

