



**1988-2000 Honda Civic & Acura 1.6 EL
1990-1993 Acura Integra
TWM Performance Short Throw Shifter
Installation Manual**



1. Unscrew the stock shift knob by rotating it counter clockwise.



2. Remove all screws securing center console and remove console.



3. Remove the rubber dust boot surrounding the shifter, use caution not to damage it. Put it in a safe place for re-installation later.



4. Place the car up on a lift, or use a jack and jack stands to raise it off the ground. Loosen the nut on the base of the shifter using a 12mm socket and ratchet. You may need to hold the head of the bolt on the opposite side of the shift rod with a wrench to loosen the nut.



5. Remove the bolt from the base of the shifter and lower the shift rod that connected it to the shifter.



6. Remove both bolts securing the shift assembly to the under side of the chassis with a 12mm socket and ratchet.



7. Remove the bolt at the transmission end of the shift rod with a 12mm or 14mm (depending on model) socket and ratchet. It may be necessary to use a 12mm or 14mm wrench if space is limited.



8. Remove the shift assembly and shift rod from the car. It may be necessary to disconnect the rubber exhaust hangers to have enough space to remove the shifter and shift rod.



9. This is the shift assembly after it has been removed from the vehicle.



10. Remove the 2 bolts holding the shift assembly together with a 10mm socket and ratchet. You may need to use vice grips to secure the top of the bolts to successfully remove the nuts on the bottom of the assembly.



11. Remove the shifter and plate from the rod once both the bolts are removed.



12. Remove the rubber dust boot surrounding main pivot ball of the shifter. Clean out any old grease and dirt or debris that may be inside the boot with a shop towel or clean cloth.



13. Generously grease the TWM shifter main pivot ball pictured to the left. Install the cleaned rubber dust boot over the TWM shifter from the bottom and be sure the main pivot ball seats properly in the rubber boot. More grease may be applied once the shifter is in the boot if desired.



14. Replace the plate over the base of shifter up to the dust boot. Seat the bottom groove on the dust boot through the plate as it was installed on the stock shifter.



15. Re-install the bolts holding the shift assembly together. Again, you may need vice grips to hold the top of the bolts while you tighten the nut on the bottom of the assembly.

Re-install the shift assembly and shift rod on to the car, this is the reverse procedure of step 6 above. Be certain that the shifter is oriented so that the bend faces the back of the car as it did with the stock shifter.



16. Re-install the bolt securing the shift rod at the transmission end of the rod.

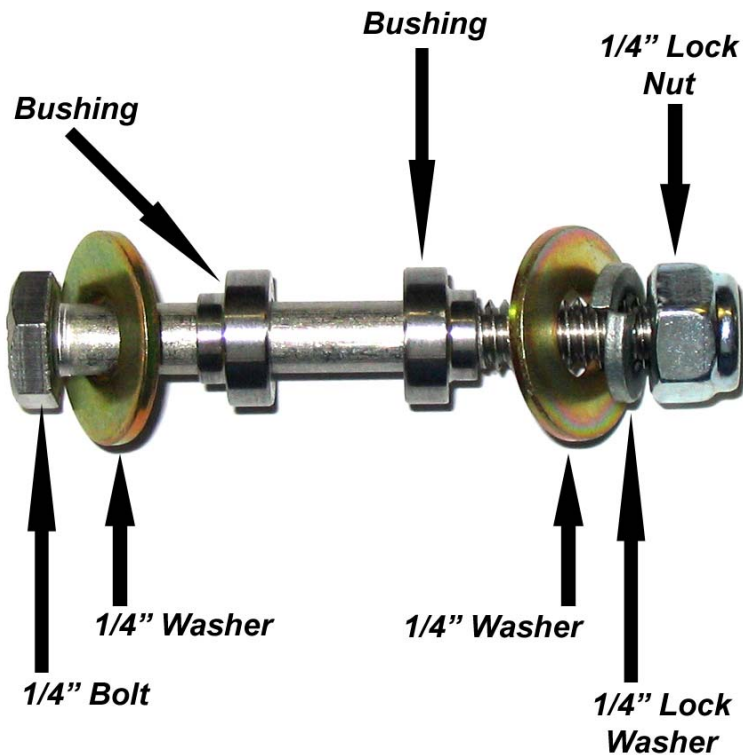


Pictured above: The bushings seated in the shift rod before the shifter base is inserted between them. Note that the smaller shoulders on the bushings are inserted in to the holes on either side of the shift rod before the shifter is placed between the bushings and then the bolt is inserted.

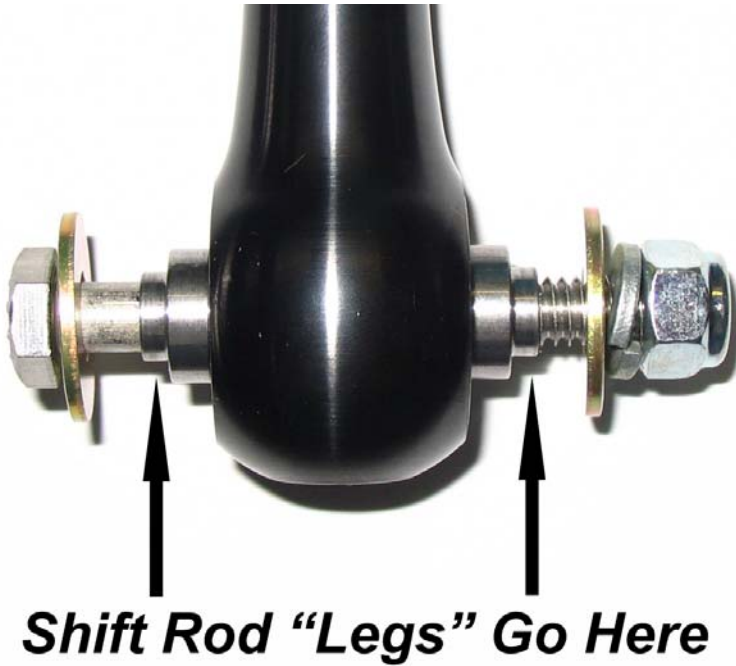
17. Re-assemble the shift linkage using the hardware included in the kit. Refer to the pictures below for correct orientation of the hardware in relation to the shifter and shift rod. Place a 1/4" inch washer on the bolt before threading through the shift rod and shifter. The stainless steel bushings included in the kit must be installed on either side of the shifter's bearings. Their orientation is very important. The shouldered bushings must have their smaller shoulder diameter inside the holes in the shift rod and their larger diameter flat face against the shifter bearings. Place a 1/4" washer, lock washer and nylon lock nut onto the threaded end of the bolt once it is inserted through the shift rod, bushings and shifter bearings. Tighten using a 7/16" socket and wrench to hold the opposite side of the bolt to remove any gap between the bearings and bushings.

17 (Continued). The image to the left shows the correct orientation of the bolt, washers, and bushings included with the short shifter kit. The base of the short shifter with the bearings goes between the 2 bushings. Note that the small shoulders on the bushings face outward from the bearings in the base of the short shifter. The shoulders on the bushings fit in to the holes in the shift rod.

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17 (Continued). The image to the left shows the base of the short shifter with all bushings and hardware installed. The arrows also indicate where the tabs or legs of the shift rod go in relation to the shifter and bushings.



18. The image to the left shows the short shifter installed with all hardware in place and the lock nut tightened.



19. Replace the rubber dust boot to cover the hole in the chassis the shifter fits through.





20. Replace the console and secure with the screws you removed in step 2. Re-install the shift knob and you're ready to drive.

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- Installation costs and vehicle down time
- Products that have been modified, incorrectly installed or misused.
- Mounting hardware and bearings

This install manual is available for download in color at: www.twmperformance.com