



**Installation Manual**  
**TWM Performance**  
**Shifter Cable Bushing Kit**  
**2001-2006 Hyundai Elantra**  
**2003+ Hyundai Tiburon**

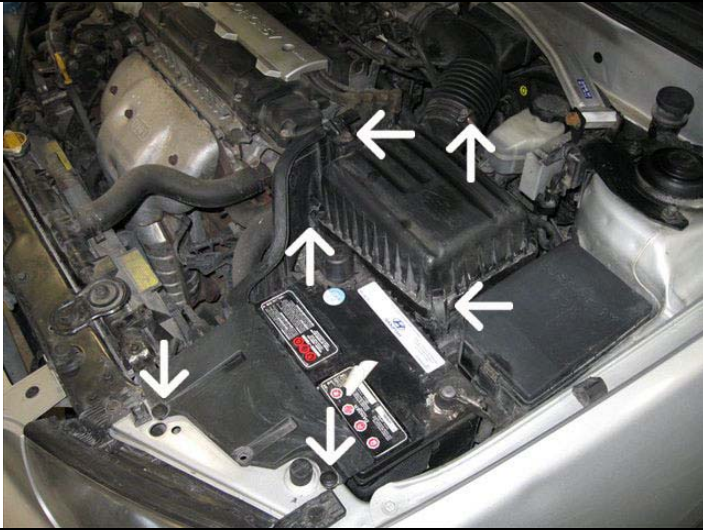
It is preferable to park on a flat surface, as you will have to engage and disengage the hand brake and shift from gears to neutral. If you cannot do so and are obliged to install the shifter cable bushings on a slightly inclined surface, place wooden blocks in front or behind the wheels to prevent the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

**Estimated Installation Time:** 30 minutes

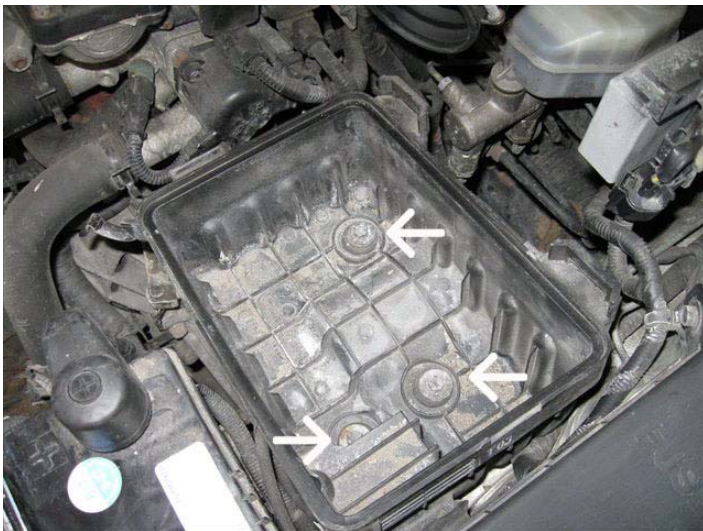
**Tools required:**

- Ratchet
- 10 mm socket
- Ratchet extension
- Phillips head screwdriver
- Needle nose pliers/visegrips

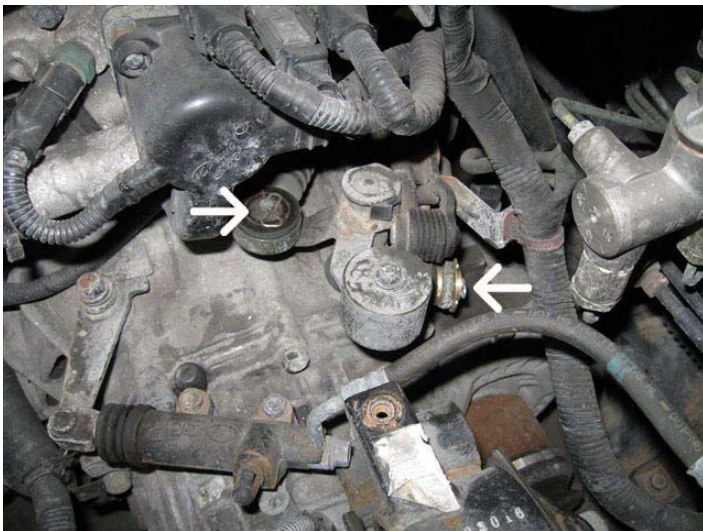




**1.** Working in the engine bay, use a Phillips head screwdriver to remove the 2 screws over the driver's side headlight and a 10mm socket with a ratchet and an extension to remove the 10mm bolt holding the splash guard. Remove the splash guard from the engine bay. Loosen the 10mm bolt (shown by the top arrow) holding the top part of the air box to the throttle body inlet and unclip the 2 clips holding this part of the air box to the bottom part (also shown by two arrows). Remove the top part of the air box and the air filter as well.



**2.** Remove the three 10mm bolts at the bottom of the air box using the socket and ratchet with extension. Remove the bottom part of the air box from the engine bay.



**3.** You now have access to both shifter cable bushings. Remove the cotter hairpins using needle nose pliers. Also remove the metal washers holding down the stock rubber bushings. These washers will not be re-used, but should be kept in case you revert back to the stock bushings in the future.



**4.** Remove the two stock rubber bushings from the shifter cables. You can use the pin on the transmission arm (where the cotter hairpin was connected) to force the bushings out of the shifter cable.

Use the provided sandpaper to clean up both pins and the inside of the steel loop on the cable if there is corrosion. These bushings will not be re-used but should be kept in case you revert back to the stock bushings in the future.



**5.** Install the TWM cable bushings by sliding them on the transmission arm pins as shown to the left. The bigger bushing is installed on the top cable and the smaller bushing on the side cable.

Slide the shifter cables on to both TWM bushings as shown to the left, with the groove facing away from the transmission arm.





**6.** Install the e-clips on the TWM bushings using a set of needle-nose pliers or visegrips. The e-clips need to be inserted all the way on to the bushings so they clip in to the groove as pictured at lower left. Repeat for both bushings.

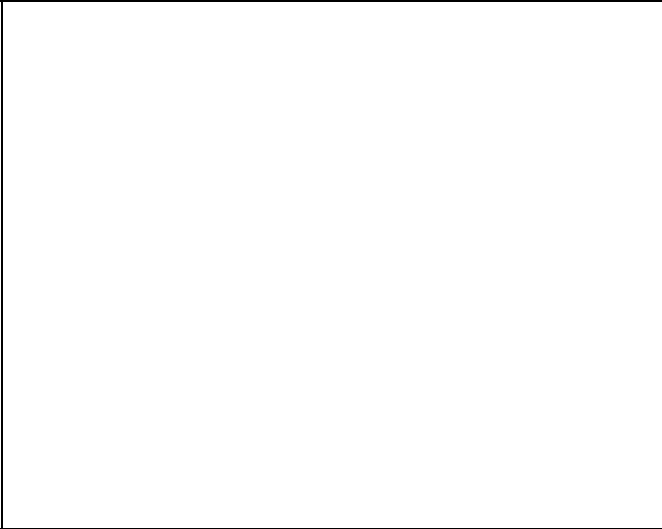


**7.** Install the cotter hairpins provided with the TWM bushings into the small holes at the top of the transmission arm pins. Repeat for both bushings.

Re-install the air box by repeating steps 1 and 2 in reverse order.

**Continued next page.**





**12. Thank you for choosing TWM Performance!**

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TO PROTECT USERS FROM INJURY OR DEATH. THE USER ASSUMES ALL RISKS. Autocrossing, track events, and high speed driving are all dangerous activities - always drive responsibly and safely.

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Warranty does not cover the following:

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



This manual is available for download in color at : [www.twmperformance.com](http://www.twmperformance.com)