

CorkSport SkyActiv Manual Transmission Shifter Bushings

2012-2013 SkyActiv Mazda 3



Thank you for purchasing the CorkSport 2012-2013 Mazda 3 Shifter Bushing Kit... Eliminate side to side compliance and remove the slack on your shifter by replacing the rubber OEM shifter bushings on your Mazda 3 with the CorkSport aluminum all new blue anodized shifter bushings. Replacing the soft OEM shifter bushings with CorkSport's durable billet aluminum shifter bushings will provide you a noticeable difference in the way your car drives and improve shift responsiveness for years to come. **Please let us know your feedback by submitting a review at:** <http://www.corksport.com/corksport-shifter-bushing-set-2012-2013-skyactiv-manual-transmission.html>

Pre-Installation Notes:



Make sure your clothes, tools and hands are clean while working on the interior of your car.



The shifter bushings will only fit the above referenced models. If you have a different model Mazda including a Mazdaspeed 6, these bushings will not work on your vehicle.



These instructions were written for reference only and the use of a factory service manual is recommended. Please read these instructions thoroughly prior to starting installation



These installation instructions were written using a 2013 Mazdaspeed3 and shifter housing out of a 2013 SkyActiv Mazda 3. Other year Mazda 3 models will be similar.

Materials and Time:



General Info.
Part #: Axl-6-958-12
Time Est: 0.5 hours
Wrench Rating: 2/5



Tooling List
Door Panel Removal Tool
or 2x Flat Head Screw
Driver
Socket Wrench
12" Socket Extension
10mm Socket
Torque Wrench
Needle Nose Pliers



Parts List
Four (4) Shifter Bushings (Bottom)
Four (4) Shifter Bushing (Top)

Detailed Instructions



These in car installation instructions were produced using a 2013 Mazdaspeed 3 and shifter housing out of a 2013 SkyActiv Mazda. Other years of SkyActiv will be very similar.

1. Remove the Factory Shifter Housing

- a) Remove the shift knob by firmly twisting it counter-clockwise (Figure 1a).



Figure 1a

- b) Remove the center console panel that houses the cup holder. First, open center console lid. Then, pull upward by hand by grasping between the cup holder and E-brake slot. Carefully pull the panel up and over the E-brake handle (Figure 1a).



Figure 1b


- c) Remove the center console panel that houses the ashtray and shift boot. Pull upward on the panel by hand and place it off to the side (Figure 1b and 1c).



Figure 1c

1. Remove the Factory Shifter Housing

d) Use a door panel removal tool to pry the shift cable ends off the shifter ball studs (Figure 1d). Mazdaspeed3 shifter shown for reference.

 Door panel tool may be substituted by using two large flat head screw drivers.

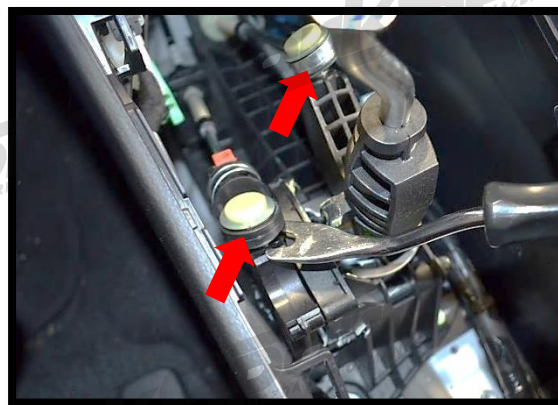


Figure 1d

2012-2013 SkyActiv

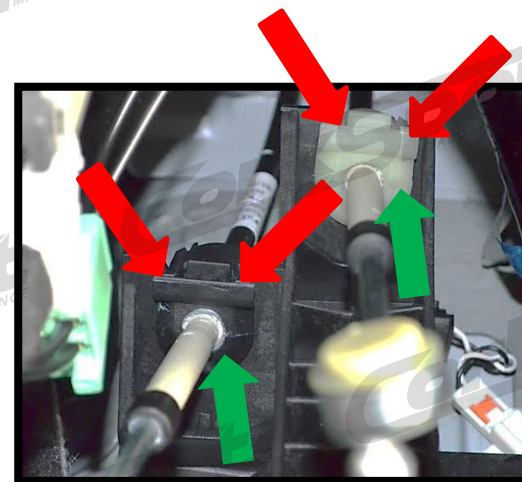
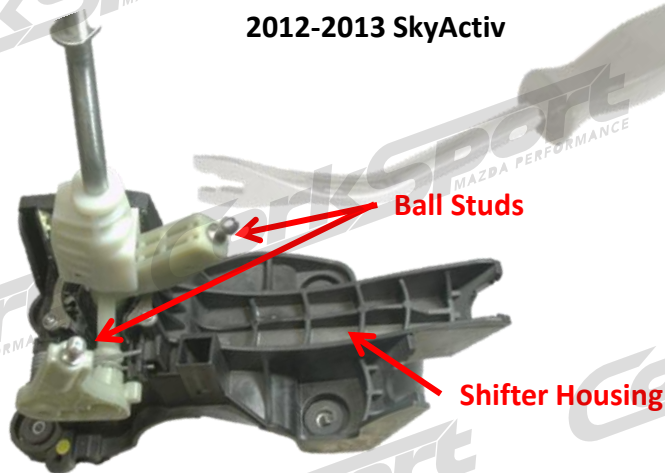


Figure 1e

e) Remove the shifter cables from the shifter housing. Use a small pair of needle nose pliers to gently squeeze together the two locking tabs (red arrows in Figure 1e) and slide the cable upwards out of the shifter housing (green arrows in Figure 1e).

f) Slide the electrical plug off the shifter housing and push it aside (Figure 1f).

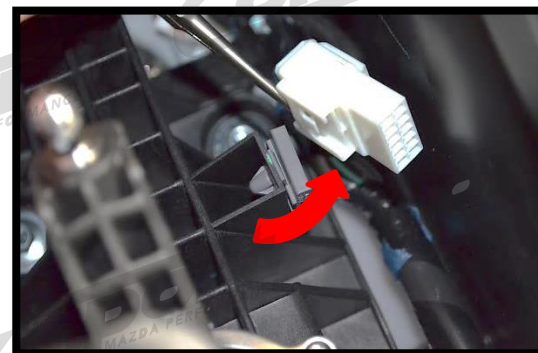


Figure 1f

1. Remove the Factory Shifter Housing (continued)

g) Remove the four (4) shifter housing mounting screws using a 10mm socket wrench with a long extension (red circles in Figure 1g).

h) Lift the shifter housing out of the center console.

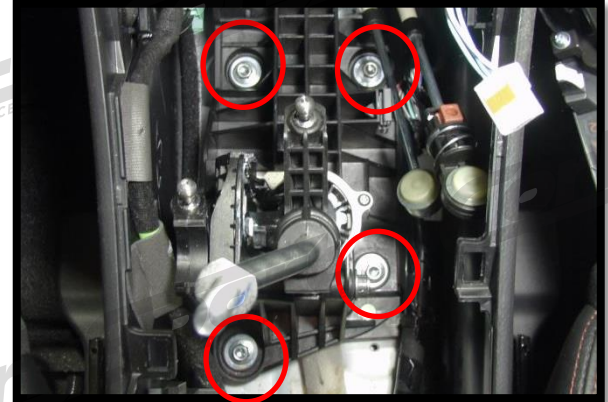
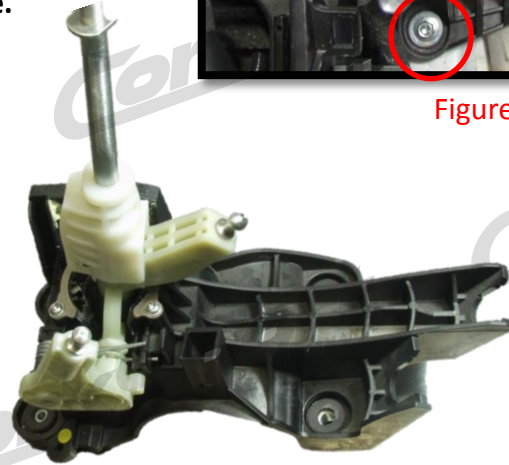


Figure 1g



2012-2013 SkyActiv

2. Install the CorkSport Shifter Bushings

a) Remove the four metal centers of the original bushings from the bottom of the shifter housing. This can be done easily with a flat bladed screw driver (Figure 2a).

b) Remove the four original bushings from the shifter housing. This can also be done easily with a flat bladed screw driver (Figure 2a).

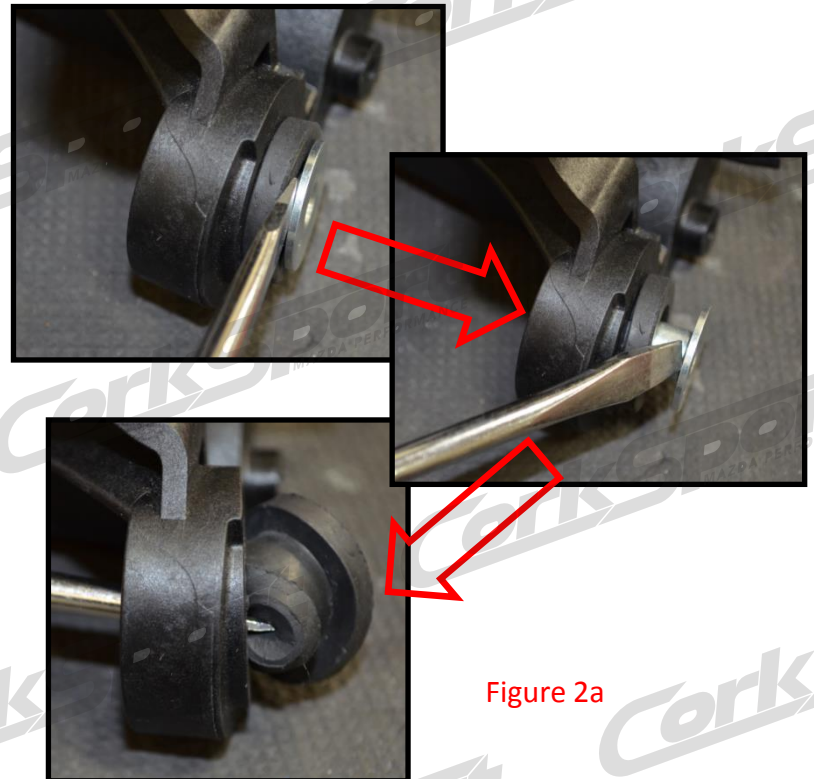
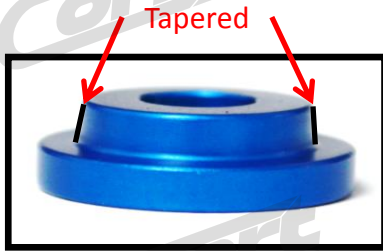


Figure 2a

2. Install the CorkSport Shifter Bushings Continued...

c) Install the four bottom CorkSport shifter bushings into the base of the shifter housing (red circles in Figure 2b). The bushings are tapered to stay in when installing, press with your hand until flush.

Because of mold differences in the shifter bases the fit might be really tight. It is okay if there is a small gap as shown in Figure 2b. After installing this will be tightened down and will become flush.



Bottom Bushing

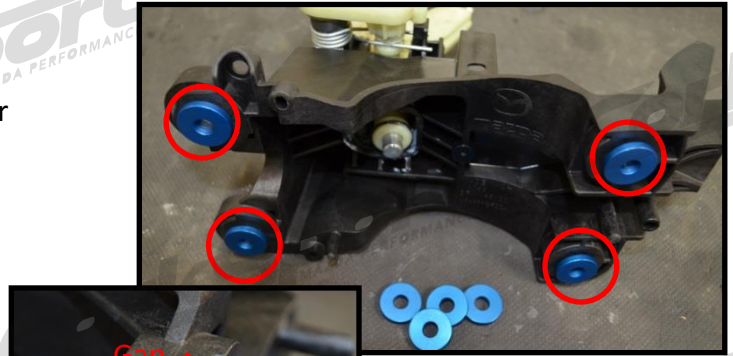
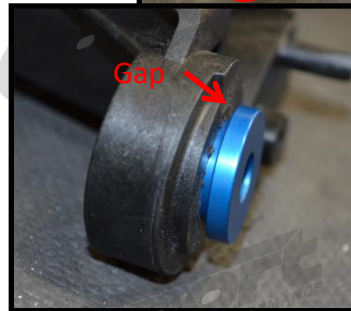
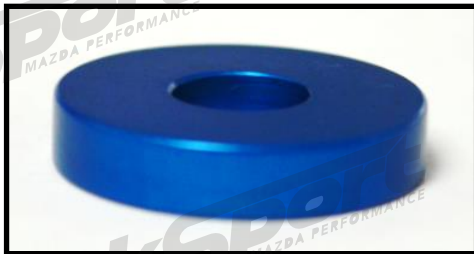


Figure 2b



d) Place the four top CorkSport shifter bushings on top of the shifter housing (as shown in Figure 2c with red circles).



Top Bushing

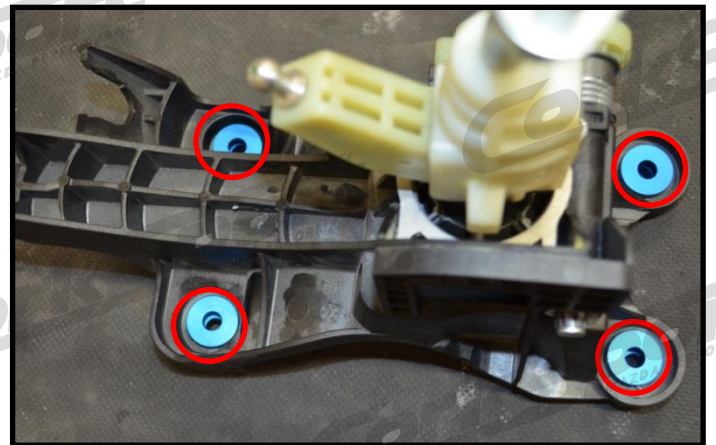


Figure 2c

e) Guide the shifter housing back into the center console. The housing should sit down into place easily. Make sure none of the cables or wiring gets caught underneath. Use Figure 1g for reference.

Detailed Instructions

2. Install the CorkSport Shifter Bushings Continued...

- f) Re-attach the shifter cables to the housing by pushing them into the slots (as shown in [Figure 2d](#)).

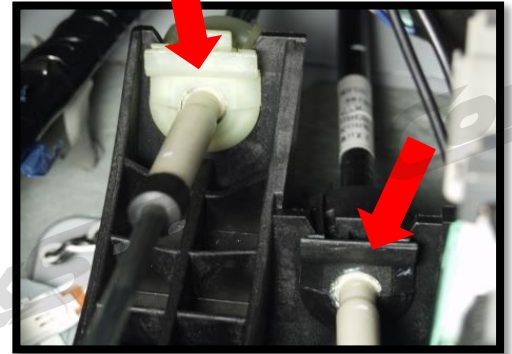


Figure 2d

- g) Reinstall the four (4) 10mm bolts (Circled in [Figure 2e](#)). Move the shifter housing in a circular back and forth pattern to seat the bushings up into the shifter housing while threading the bolts into place by hand. Make sure to go through the center of both of the shifter bushings. Torque to 3-5 ft-lbs.

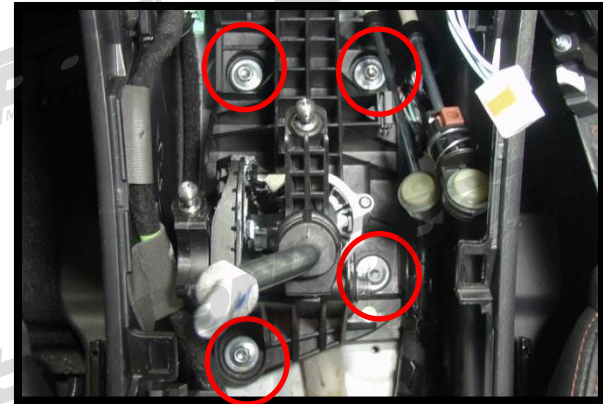


Figure 2e

- h) Clip the shift cables back into their locations in the shifter housing ([Figure 1d](#)).

- i) Clip the wiring harness back onto the shifter housing ([Figure 1f](#)).

- j) Place the shift boot panel back onto the center console. Guide the front ashtray portion into the console ([Figure 2f](#)).



Figure 2f

2. Install the CorkSport Shifter Bushings Continued...

- f) Push the shift boot section downward and fully clip it back into place (Figure 2g).



Figure 2g

- g) Replace the center console including cup holders. Guide it over the E-brake handle and clip it back down into place (Figure 2h).



Figure 2h

- h) Screw the shift knob back onto the shifter by turning it clock wise (Figure 2h).

! This completes the installation of your CorkSport Shifter Bushings. Before starting the vehicle, push the clutch pedal and cycle the shift lever through all gears ensuring proper gear engagement.

What's Next:

[CORKSPORT Adjustable Short Shifter - Mazda 3 SkyActiv 6 Speed](#)



The CorkSport Adjustable Short Shifter designed as a direct OEM replacement, maintains OEM fitment offering you to independently adjust shift throw distance and shift knob height.

Shifter Height - The CorkSport engineers created a simple way for you to adjust the shift knob height a range of 4 inches. With a height of 12" and a low of 8"
Shift Throw - Adjust your shift throw up to 35% shorter than OEM for faster and efficient shifting.

Need Help With Your Installation?

Call (360) 260-CORK