

## CorkSport Short Shift Plate

2014+ Mazda 3, 2014+ Mazda 6, & 2013+ CX-5 6-Speed Manual



**Thank you for purchasing the CorkSport Short Shift Plate.** Adding the shift plate will reduce the throw of your shifter by 30% and improve precision and performance allowing for spirited driving while keeping the height of the OEM shifter unchanged. We hope you enjoy your new CorkSport 6-Speed Short Shift Plate and value your feedback. Submit a review online today at: <https://corksport.com/2014-mazda-3-6-cx5-short-shift-plate-kit.html>

### Pre-Installation Notes:



**Make sure your vehicle is completely cooled down** prior to starting installation. If you are going to work on your car within an hour or two of having driven it, use a fan to cool off the car.



**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



**How our instructions work:** To best cover all of our customers experience levels, we have included an overview checklist for the more technically advanced users along with step-by-step instructions for customers that require additional detail.



**These installation instructions were written using a 2013 Mazda CX-5 6 speed.** Other years and models will be similar.

### Materials and Time:



#### General Info.

**Part #:** Axm-6-960  
**Time Est:** 60 minutes  
**Wrench Rating:** 3/5



#### Tooling List

3/8" Drive Ratchet  
2" Extension  
10mm Socket  
12mm Socket  
13mm Socket  
Flathead Screwdriver  
#2 Phillips Screwdriver  
4mm Allen Wrench  
Lock-Tight Thread Locker Blue  
Needle Nose Pliers



#### Parts List

One (1) CorkSport Short Shift Plate  
One (1) Locking plate  
Three (3) M6x1.0 Countersunk Bolts  
Three (3) CorkSport Bushings  
Three (3) M8x1.25 Bolts  
Three (3) M8 Washers

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## Detailed Instructions

### 1. Remove the Factory Intake

- a) **Remove Engine Cover** by pulling up on it. There are no screws that hold it down. This will help when loosening the intake clamp (shown in green square Figure 1a).

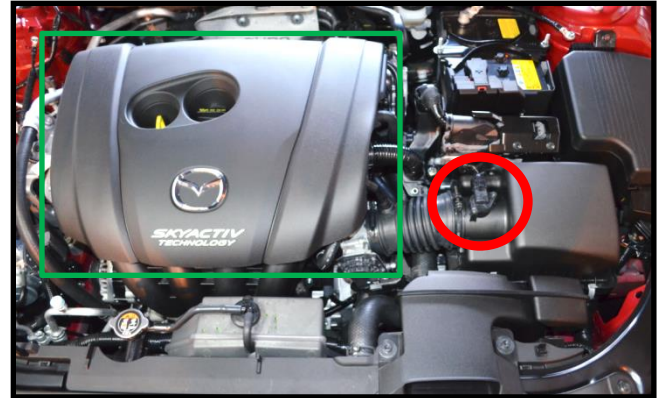


Figure 1a

- b) **Unplug MAF sensor** (shown in Figure 1a with a red circle and in Figure 1b close up). Press down on the latch and the sensor will unplug.

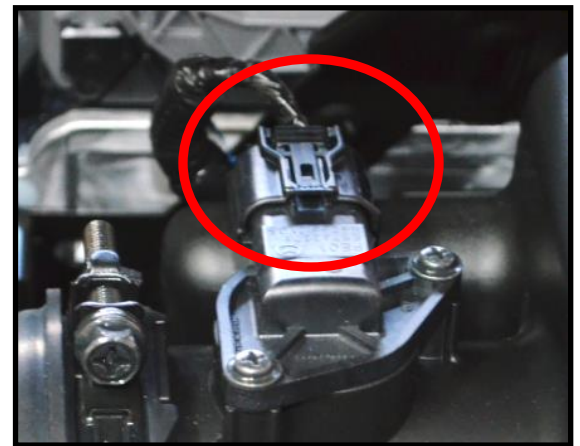


Figure 1b

- c) **Remove valve cover hose** from intake elbow. It should pull out with a little effort (shown with green circle removed in Figure 1c).

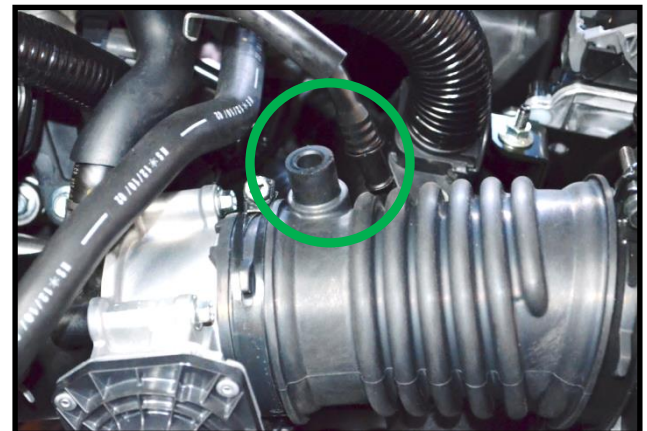


Figure 1c

- d) **Loosen hose clamp** on air box to throttle body (green arrow Figure 1d). This will require a large screw driver or a 10mm socket.



Figure 1d

**1. Remove the Factory Intake (continued)**

- e) **Remove Air Box Bracket** (red arrows Figure 1e). They will push off the top of the box but stay on the lower housing of the air box.

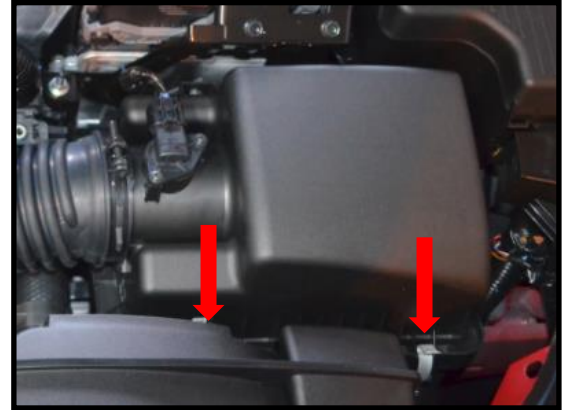


Figure 1e

- f) **Disconnect the MAF wiring and pull up on air box lid and remove it from the car** (Figure 1f). You will need needle nose pliers to compress the sides of the wiring harness tie down.

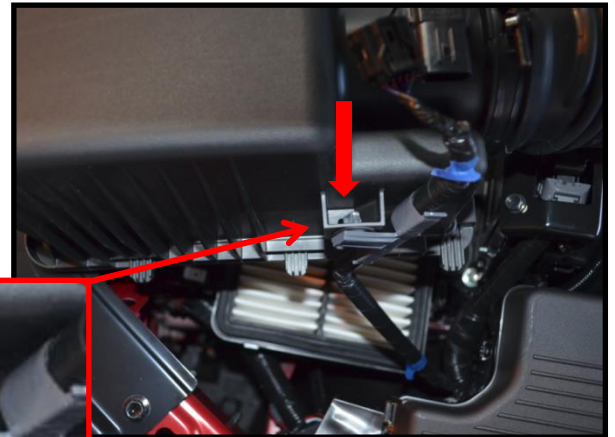


Figure 1f



- g) **Remove two (2) 10mm bolts** that hold the lower air box (red circles in Figure 1g) and remove it from the car. Simply pull up.

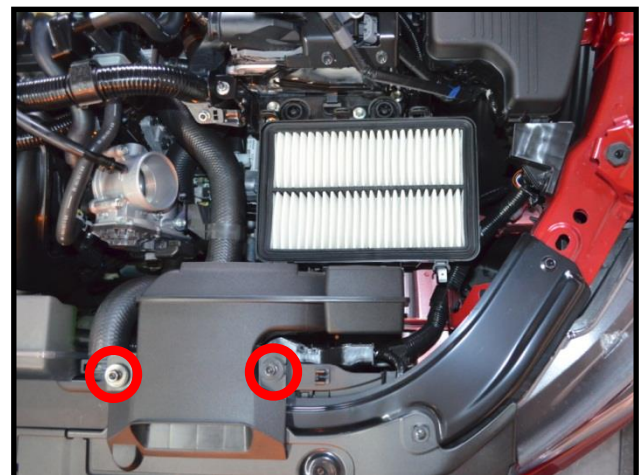


Figure 1g

## 2. Battery & ECU Assembly Removal

a) **Disconnect the battery terminals** with a 10mm socket. Shown with the **red circles** in **Figure 2a**.

b) **Loosen the two 10mm flange nuts** holding the battery tie down bracket. Do NOT remove the nuts completely. Shown with **blue circles** in **Figure 2a**.



Figure 2a

c) **Remove the two 10mm flange bolts** holding the ECU cover. Shown with the **red circles** in **Figure 2b**. Remove the cover.



Figure 2b

d) **Remove the ECU wiring harness connectors.** Rotate the light grey lever in the direction of the **red arrows** in **Figure 2c**.

e) **Remove the two 10mm flange nuts** holding the ECU. Shown with the **red circles** in **Figure 2c**.

f) **Remove the ECU from the vehicle.**

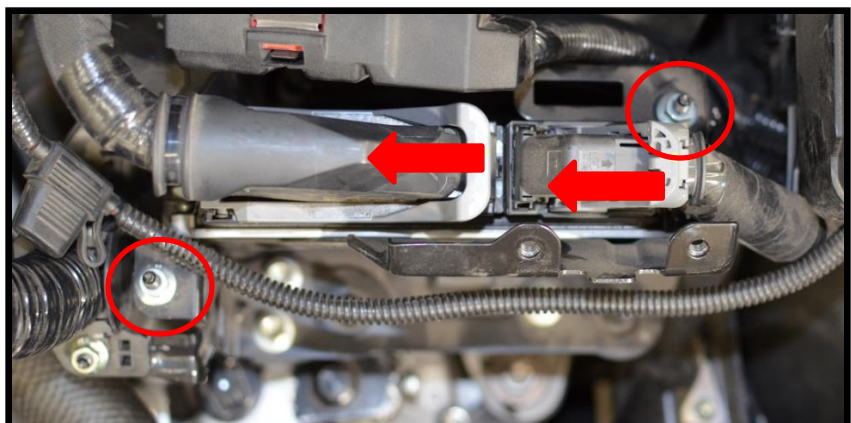


Figure 2c

**2. Battery & ECU Assembly Removal (continued)**

g) Remove the electrical connector circled in blue in Figure 2d then pull the wire out from behind the plastic hook in the direction of the blue arrow.

h) Remove the two 10mm flange bolts holding the wiring harness assembly. Shown with the red circles in Figure 2d.

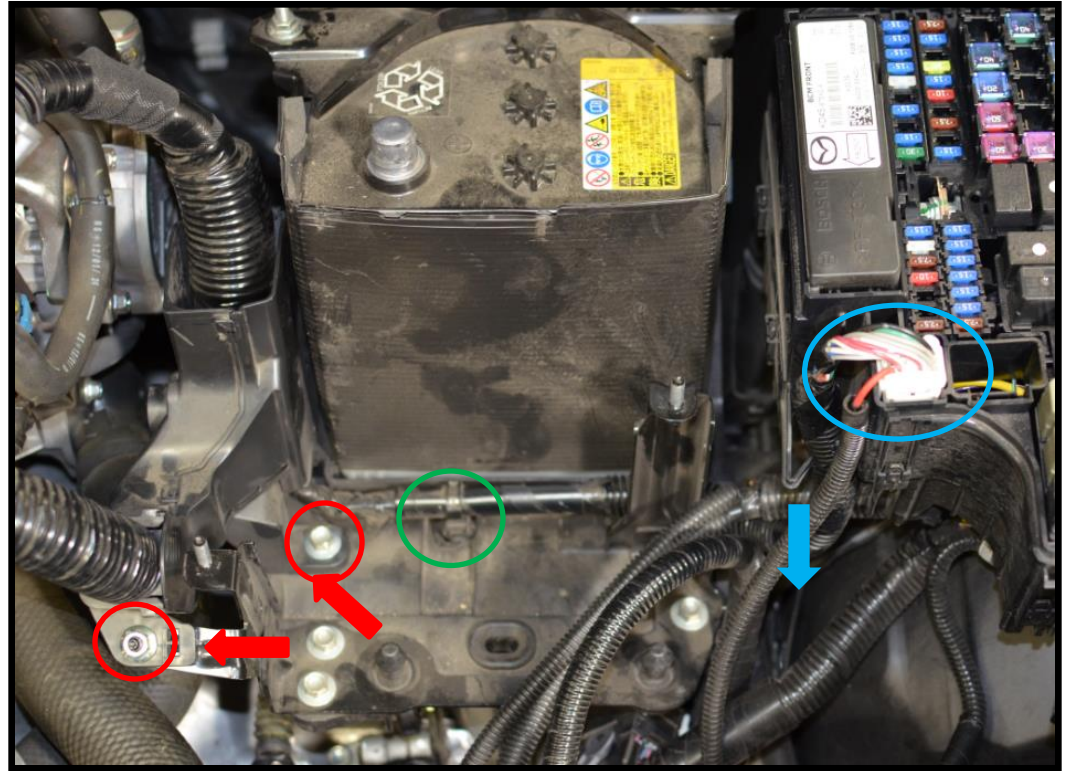


Figure 2d

i) Use a flathead screwdriver to pop the wiring harness loose. Red arrows in Figure 2d.

j) Pop loose the wiring harness clip using needle nose pliers. Use the pliers from under the battery tray to squeeze the tabs on the clip together then pull the clip and wire up. Circled in green in Figure 2d.

k) Remove the battery from the vehicle.

l) Remove the three 12mm flange bolts then remove the battery tray from the vehicle. Shown with the red circles in Figure 2e.

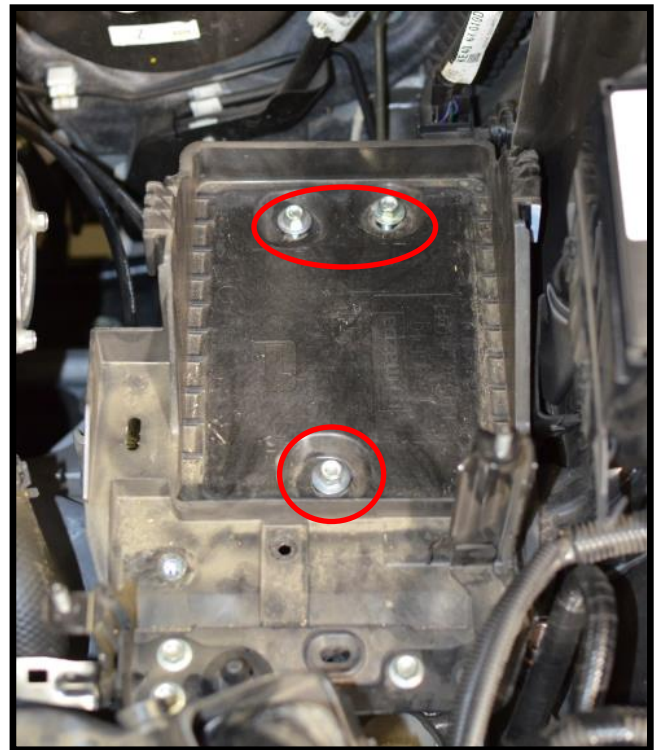


Figure 2e

### 3. Installing the CorkSport Cable Bushings

- a) **Disconnect the shifter linkage** by spreading the spring wire apart until the linkage can pull up and off pin. **Red arrows in Figure 3a.**
  
- b) **Remove the other shifter linkage to the right** following the instructions in step 3a.
  
- c) **Remove the three 12mm bolts holding the cable bracket.** Shown with the **red circles in Figure 3b.**
  
- d) **Remove the OEM bushing collars and rubber bushings** from the cable bracket. Shown in Figure 3c.

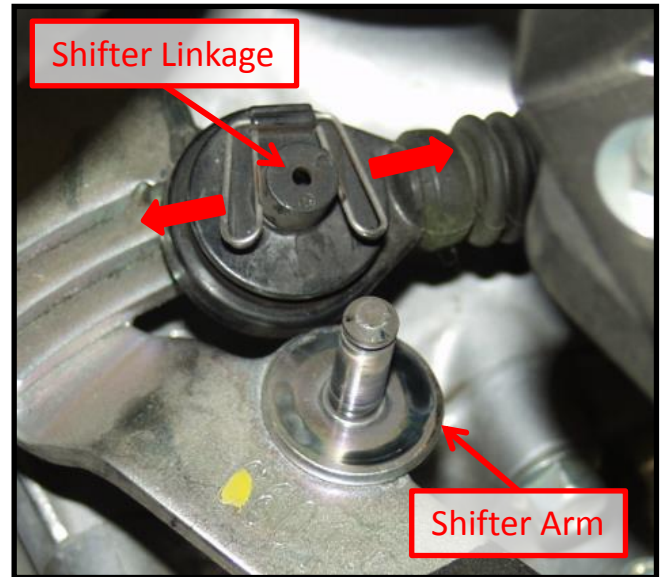


Figure 3a



Figure 3b



Figure 3c

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### 3. Installing the CorkSport Cable Bushings (continued)

- e) Install one of the CorkSport bushings and provided hardware as shown in Figure 3d then thread into place leaving it loose.



The end of the bushing with the step inserts and slightly presses into the cable bracket.

- f) With one of the bushings already holding the cable bracket in place, install the remaining two CorkSport bushings and hardware.



Figure 3d

- g) Torque the 13mm bolts to 25ft-lbs.

### 4. Installing the CorkSport Short Shift Plate

- a) Reinstall the shifter linkage circled in red in Figure 4a.
- b) Install the CorkSport Top Plate as shown in Figure 4b.



Figure 4a



Figure 4b

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4. Installing the CorkSport Short Shift Plate (continued)

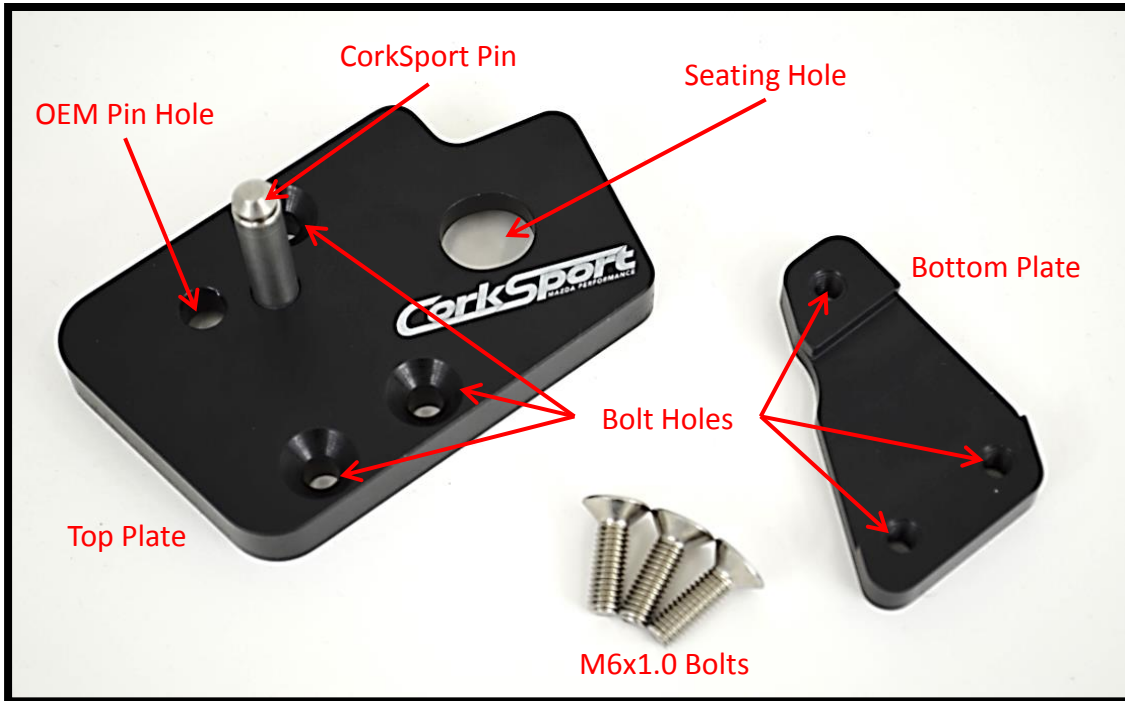


Figure 2c. Kit Breakdown

c) **Place the top plate onto the shifter arm.** Refer to **Figure 2c** for reference and **Figure 2d** for exact orientation and push the plate down firmly to verify it is seated on the lever correctly.

d) **Apply 1 to 2 drops of blue Lock-Tight thread locker to the bolt threads** approximately halfway up the bolt (**Figure 2e**).

e) **Place the bottom plate underneath the lever and align the three bolt holes** (**Figure 2d**).

f) **Thread and tighten the three M6x1.0 bolts** supplied in kit into the bolt holes using the 4mm Allen wrench. Refer to **Figure 2d** to see the 3 bolt hole locations of the Corksport Short Shift Plate.

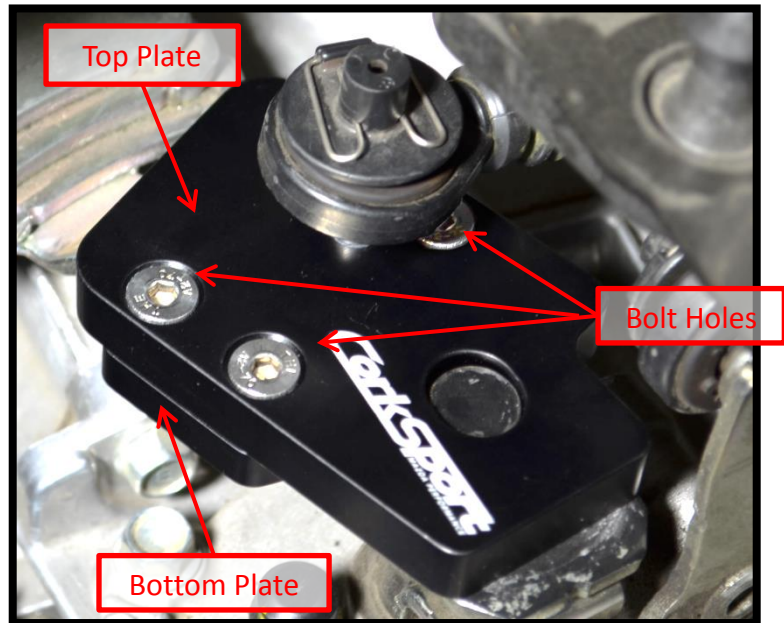


Figure 2d



Figure 2e

## 5. Reinstall the OEM Components

- a) **Reconnect the OEM shift linkage to the new plate.** Align the linkage with the CorkSport Short Shift Plate pin and push down until the spring wires snap into the groove. See [Figure 2e](#).



Pull up on both linkages to verify that they are fastened securely.

- b) **Follow the instructions in reverse order to reinstall the battery and ECU assembly and the intake system.**



Torque 10mm bolts to 6-8ft-lbs

Torque 12mm bolts to 10-15ft-lbs



**This completes the installation of your CorkSport Short Shift Plate. Test out the shifter to make sure you can engage every gear. The shifter will require a slight amount more force because of the reduced leverage.**

## What's Next:

Get added power and upgrade the new look of your Mazda with the CorkSport Power Series Axle Back Exhaust. The engineers at CorkSport were given free reign to design an axle back exhaust in the best way fitting to the graceful design. As always, the CorkSport Axle Back Exhaust was built using only the highest quality materials and design.

### [CORKSPORT Axle Back Exhaust](#)

