

## CorkSport Short Shift Plate

2004+ Mazda3 and 2006+Mazda 5 5/6 Speed Manual (Non SkyActiv models)



**Thank you for purchasing the CorkSport Mazda 3 Short Shift Plate.** Adding the shift plate will reduce the throw of your shifter by 33% 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 Mazda 3 Short Shift Plate and value your feedback. Submit a review online today at: <http://www.corksport.com/corksport-mazda-3-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 2010 Mazda 3 6 speed.** Other years and models will be similar.

### Materials and Time:



#### General Info.

**Part #:** Axl-6-961  
**Time Est:** 1 hours  
**Wrench Rating:** 2/5



#### Tooling List

10mm Socket  
10mm End Wrench  
6" Extension  
3/8" Drive Ratchet  
Large Flat Head Screwdriver or  
13mm endwrench



#### Parts List


One (1) CorkSport Short Shift Plate  
One (1) Locking plate  
One (1) Shifter Ball  
Two (2) M6x1.0 30mm Bolts  
One (1) M6x1.0 35mm Bolt  
Four (4) Locking Flange Nut

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## Checklist

This is an overview of each step in the build. You can use this as a reference and a checklist as you button up the work on your car

### 1. The CorkSport Short Shift Plate

- a) **Remove the battery box cover** . The cover is held on with two clips (shown in **Figure 1a**).
- b) **Remove the Battery**. First, Disconnect the battery terminals with a 10mm end wrench. Disconnect the negative terminal of the battery first before the positive terminal. Next, Remove the two 10mm nuts for the battery tie down bracket. (Shown **Figure 1b**)
- c) **Disconnect the three wiring tie downs on the battery box and remove the front cover**. (shown in **Figure 1c**).
- d) **Pull off the front cover of the battery box**. Simple lift up and it will slide up on groves in the box.
- e) **Remove the cover from the engine control unit (ECU) if you have not already** by disconnecting the latch (See **Figure 1a** for location of ECU cover and latch shown with **green** arrow).
- f) **Disconnect the two ECU plugs** by depressing the hasp below the white camlock latch of the plug housing. (shown in **Figure 1d**).
-  When done correctly, this process should be effortless.
- g) **Remove the (3) 10mm bolts from the floor of the battery box** (shown in **Figure 1e**).
- h) **Remove the cable end from the shifter arm**. Pop off the shifter cable from the shifter arm using a 13mm open ended wrench or Large flat head screw driver. Shown in **Figure 1f**.
- i) **Install the shifter ball on the CorkSport Shift plate with on Teflon nut**. Tighten to 7 ft.lbs. Location is shown in **green** on **Figure 1g**.
- j) **Install the CorkSport bracket over the factory shift arm**. Place the M6x1.0x35mm bolt through the hole in the factory arm as shown in **Figure 1h** and start the Teflon nut on the bottom.
- k) **Install the locking plate under where the cable end attached to the shifter arm**. Shown in **Figure 1g** circled in **red**.
- l) **Tighten all hardware evenly to 7-9ft.lbs**. Do not over torque the M6x1.0 hardware as it can shear.
- m) **Install the Shift linkage on the new shift ball and test the shifting from the drivers seat to make sure everything feels secure**.
- n) **Install the Battery box and the (3) 10mm bolts from the floor of the battery box** (shown in **Figure 1e**).
- o) **Connect the two ECU plugs making sure the white camlock latch engages**. (shown in **Figure 1d**).

## Checklist

This is an overview of each step in the build. You can use this as a reference and a checklist as you button up the work on your car

### 1. The CorkSport Short Shift Plate Continued...

- p) Replace the cover from the engine control unit (ECU) (See Figure 1a).
- q) Replace the front cover of the battery box. It will slide on groves in the box.
- r) Connect the three wiring tie downs on the battery box. (shown in Figure 1c).
- s) Replace the Battery. Install the tie down first and tighten the 10mm bolts. Then connect the positive terminal and tighten it. Finally install the negative terminal and tighten it. (Shown Figure 1b)
- t) Replace the battery box cover . (shown in Figure 1a).



This completes the installation of your CorkSport Short Shift Plate. Check out our [knowledgebase](#) for additional install information



## Detailed Instructions

### 1. The CorkSport Short Shift Plate

- a) **Remove the battery box cover** . The cover is held on with two clips (shown in **Figure 1a**). Pry the clips outward by hand and lift the front of the lid off the box.
- b) **Remove the Battery**. First, Disconnect the battery terminals with a 10mm end wrench. Disconnect the negative terminal of the battery first before the positive terminal. Next, Remove the two 10mm nuts for the battery tie down bracket. (Shown **Figure 1b**) Finally lift the battery out of your car and place it in a safe location.
- c) **Disconnect the three wiring tie downs on the battery box and remove the front cover**. Remove the three wiring harness loom straps by compressing their push lock connectors with a pair of angled or straight needle nosed pliers and pushing them back through the hole they are attached to. Remove all three of these connectors (shown in **Figure 1c**).
- d) **Pull off the front cover of the battery box**. Simple lift up and it will slide up on grooves in the box.
- e) **Remove the cover from the engine control unit (ECU) if you have not already** by disconnecting the latch (**See Figure 1a** for location of ECU cover and latch shown with **green** arrow).
- f) **Disconnect the two ECU plugs** by depressing the hasp below the white camlock latch of the plug housing. When the hasp is depressed, lift the white latch mechanism which will unlock and disconnect the ECU plugs (shown in **Figure 1d**).


 When done correctly, this process should be effortless.



Figure 1a



Figure 1b

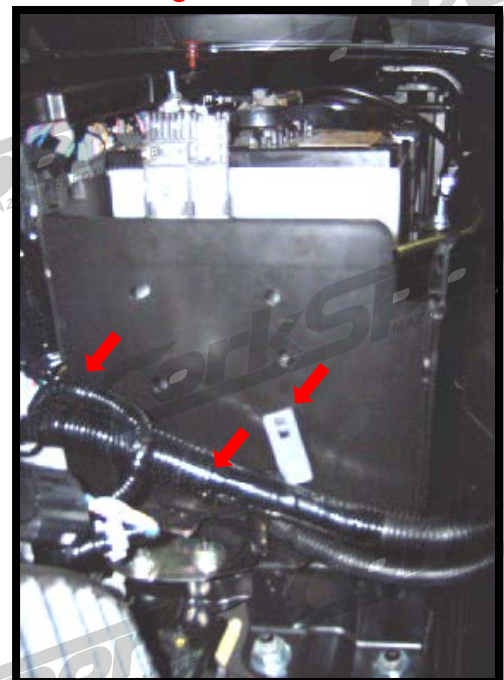


Figure 1c



Figure 1d

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**1. The CorkSport Short Shift Plate Continued...**

- g) Remove the (3) 10mm bolts from the floor of the battery box (shown in **Figure 1e**) using a ratchet, 10mm socket and 6" 3/8" drive extension. Remove the battery box and ECU.
- h) Remove the cable end from the shifter arm. Pop off the shifter cable from the shifter arm using a 13mm open ended wrench or Large flat head screw driver. Slide the wrench under the edge of the shifter cable and push down on the wrench to force the cable to pop off the ball stud. Be careful not to damage the cable. Shown in **Figure 1f**.

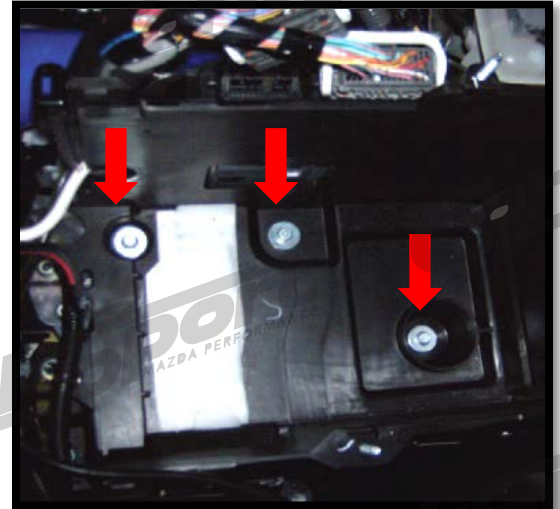


Figure 1e



Figure 1f

- i) Install the shifter ball on the CorkSport Shift plate with on Teflon nut. Tighten to 7 ft.lbs. Location is shown in **green** on **Figure 1g**.

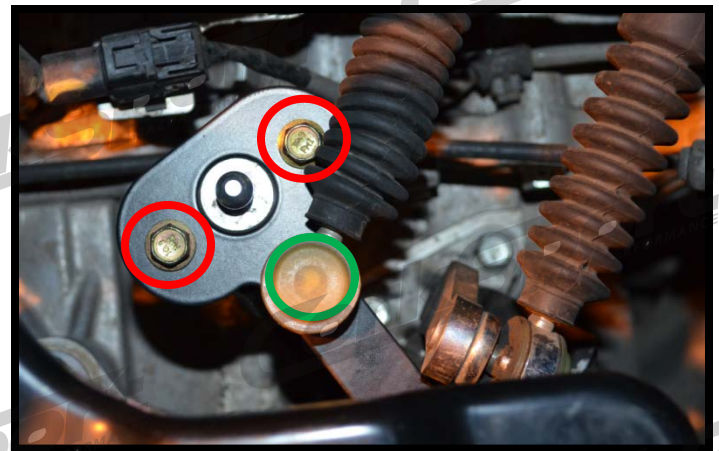


Figure 1g

- j) Install the CorkSport bracket over the factory shift arm. Place the M6x1.0x35mm bolt through the hole in the factory arm as shown in **Figure 1h** and start the Teflon nut on the bottom.



Figure 1h

- k) Install the locking plate under where the cable end attached to the shifter arm. There is a cutout on the locking plate to clear the casting on the factory shift arm. Start the bolts and nuts to hold everything in place. Bolts shown in **Figure 1g** circled in **red**.

- l) Tighten all hardware evenly to 7-9ft.lbs. Do not over torque the M6x1.0 hardware as it can shear.

- m) Install the Shift linkage on the new shift ball and test the shifting from the drivers seat to make sure everything feels secure.



**1. The CorkSport Short Shift Plate Continued...**

- n) Install the Battery box and the (3) 10mm bolts from the floor of the battery box (shown in **Figure 1e**).
- o) Connect the two ECU plugs making sure the white camlock latch engages. (shown in **Figure 1d**).
- p) Replace the cover from the engine control unit (ECU) (See **Figure 1a**).
- q) Replace the front cover of the battery box. It will slide on groves in the box.
- r) Connect the three wiring tie downs on the battery box. (shown in **Figure 1c**).
- s) Replace the Battery. Install the tie down first and tighten the 10mm bolts. Then connect the positive terminal and tighten it. Finally install the negative terminal and tighten it. (Shown **Figure 1b**)
- t) Replace the battery box cover . (shown in **Figure 1a**).



This completes the installation of your CorkSport Short Shift Plate. Check out our [knowledgebase](#) for additional install information

**What's Next:**

**[CorkSport License Plate Bracket Relocation Kit For 2010+ Mazda 3](#)**



Give your 2010+ Mazda 3 a visual boost and improve airflow with the CorkSport License Plate Relocation Kit. By offsetting your factory license plate and moving it to the drivers side, the CorkSport license plate relocation kit will allow for better airflow and improve the overall look of your 2010+ mazda 3.