

## CorkSport Aluminum Skidplate 2010+ MazdaSpeed 3 & Mazda 3



**WARNING:** The edges of the aluminum skidplate can be very sharp. Please use mechanics gloves at all times when handling the skidplate.



**WARNING:** Thoroughly read the precautions and instructions that come with your Floor Jack and Jackstands as well as your vehicle's owners manual for appropriate jacking methods and jacking / support points. Always double up support on a vehicle - Jack Stands and Floor Jack /etc.



**NOTE:** When under the car, you should be wearing mechanics gloves or other form of hand protection as well as ANSI Approved Safety Glasses.



**NOTE:** 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.

Part Number: Axl-8-100 Time Estimate: 45-60 min. Wrench Rating: 2/5	Model Mazda 3	Year 2010+	Trim All (including MazdaSpeed 3)
<b>TOOLING LIST:</b> 3/8 Drive Ratchet 6" 3/8 Drive Extension 19mm Long Socket 17mm Long Socket Phillips Screwdriver		<b>PARTS LIST:</b> CorkSport Aluminum Skidplate (with oil filter cover preinstalled) 2x 19mm Hex Head Bolts 2x 17mm Hex Head Bolts 9x 10mm Hex Head Bolts 3x 10mm Hex Head Nuts 3x Rubber Isolators	
		10mm Long Socket Jack Stands Floor Jack Mechanics Gloves	

For help with installation, call 360-260-CORK (2675)







# Installation Instructions:

## CorkSport Aluminum Skidplate

### 2010+ MazdaSpeed 3 & Mazda 3

#### How the Instructions Work

To best cover all of our customers experience levels and familiarity with the systems on their Mazda, we have broken our instructions down into numbered steps, each of which has the core information in the header with additional detail as needed depending on your experience. If you have a high level of experience, you can just use the checklist below and then skip to the step number where you need help or assistance. Video assistance may also be available for certain steps and is indicated by the HD icon:  Areas where there is a safety concern are indicated by the warning icon:  Cautionary areas (where parts are fragile, etc) are indicated by the caution icon:  Key tips are indicated with the light bulb icon: 

#### Overview/Checklist:

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


#### 1. Support Car on Floor Jack/Jackstands or Lift

- 1a) Use a floor jack and jackstands to gain access to the underside of the vehicle.

#### 2. Remove the Factory Under Tray

- 2a) Remove the two (2) plastic plugs holding the fender liner to the under tray.
- 2b) Remove the ten (10) 10mm hex head screws using the ratcheting wrench and 10mm socket and remove the front part of the under tray.
- 2c) Reinstall the two (2) plastic plugs to secure the fender liner to the bumper.
- 2d) Remove the two (2) 10mm hex head screws holding the rear section of the under tray to the inner fender liner on the passenger wheel well.
- 2e) Repeat step d for the driver's side of the under tray and carefully remove the under tray.

#### 3. Install the CorkSport Aluminum Skidplate

- 3a) Install the three (3) rubber isolators into the factory clips on the bottom of the radiator support.
- 3b) Remove the two (2) threaded clips from the under tray and install them on the drivers side inner fender liner holes, being sure that the threaded part is on the top.
- 3c) Repeat step b from above for the passenger side clips.
-  Note: Be sure that your mechanics gloves are now on, as the skidplate has sharp edges.
- 3d) Install the aluminum undertray using the three (3) supplied 10mm hex head nuts and thread them into the rubber isolator threads.
- 3e) Install five (5) of the supplied 10mm hex head bolts in the front holes of the skidplate and tighten.
- 3f) Install the supplied two (2) 17mm hex head bolts in the middle two holes at the rear of the skidplate.
- 3g) Install the supplied two (2) 19mm hex head bolts in the outside two holes at the rear of the skidplate.
- 3h) Install two (2) of the supplied 10mm hex head bolts to secure the passenger inner fender liner to the skidplate, being sure to line up the clips that you previously installed.
- 3i) Repeat step h for the driver's side bolts.
- 3j) Tighten the three (3) 10mm nuts that you first installed on the rubber isolators.
- 3k) Your CorkSport Aluminum Skidplate is now installed and should look like **Figure 5E**.



# Installation Instructions:

## CorkSport Aluminum Skidplate

### 2010 MazdaSpeed 3 & Mazda 3

#### 1: Support Car on Floor Jack/Jackstands or Lift

Use a floor jack and jackstands to gain access to the underside of the vehicle.

⚠ Always refer to the floor jack and jackstand manufacturers instructions as well as the factory owners manual for your vehicle to determine jacking points and support points. Alternately, use an automotive lift to gain access to the underside of the vehicle. Redundant support mechanisms are recommended.

#### 2: Remove the Factory Under Tray

A) Remove the two (2) plastic Phillips head plugs (shown in the green circles in Figure 1A and 1B) by unscrewing the plastic screws using the Phillips screwdriver and remove the plugs.

B) Remove the ten (10) 10mm hex head screws (shown by the red arrows in Figure 1A) using the ratcheting wrench and 10mm long socket and remove the front part of the under tray. The red arrow in Figure 1B shows a detailed view of one of the 10mm hex head screws for reference.



Figure 1A

C) Reinstall the two (2) plastic Phillips head plugs (shown by the green circles in Figure 1A) to hold the plastic fender liners to the bumper.



Figure 1B



Figure 1C

D) Remove the two (2) 10mm screws (red arrows in Figure 1C) holding the rear section of the under tray to the inner fender liner on the passenger wheel well using the ratcheting wrench and 10mm long socket.

E) Repeat step D for the driver's side of the under tray and carefully remove the undertray.



# Installation Instructions: CorkSport Aluminum Skidplate 2010 MazdaSpeed 3 & Mazda 3

## 3: Install the CorkSport Aluminum Skidplate

A) Install the three (3) rubber isolators (shown in **Figure 2A**) into the bottom holes of the radiator support (shown in **Figure 2B**) by threading them in hand tight.

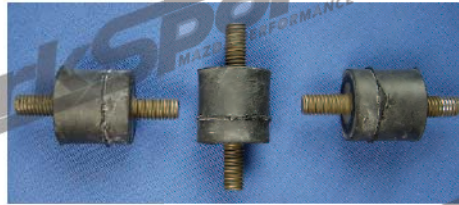


Figure 2A



Figure 2B

B) Remove the two threaded clips shown in **Figure 3A** from the driver's side of the under tray and install them on the driver's side inner fender liner holes shown in **Figure 3B** and **Figure 3C** being sure that the threaded part is on the top.



Figure 3A



Figure 3B



Figure 3C

C) Repeat step G from above for the passenger side clips.

**Note:** Be sure that your mechanics gloves are now on, as the skidplate has sharp edges.

D) Using the three (3) 10mm hex head nuts, line up the aluminum skidplate with the vehicle and push the three (3) rubber isolator threaded studs through the holes in the center of the skidplate and thread the nuts finger tight onto the 3 rubber isolator threads as shown in **Figure 4A** below.



Figure 4A

For help with installation, call 360-260-CORK (2675)



# Installation Instructions: CorkSport Aluminum Skidplate 2010 MazdaSpeed 3 & Mazda 3

## 3: Install the CorkSport Aluminum Skidplate - Continued

E) Install the five (5) 10mm hex head bolts in the front holes of the skidplate as shown in **Figure 5A** using the ratcheting wrench and 10mm long socket until tight.



Figure 5A

F) Install the two (2) 17mm hex head bolts in the middle two holes at the rear of the skidplate as shown by the **red arrows** in **Figure 5C** using the ratcheting wrench and 17mm long socket until tight.



Figure 5C



Figure 5B

G) Install the two (2) 19mm hex head bolts in the outside two holes at the rear of the skidplate as shown by the **green arrows** in **Figures 5A & 5B** using the ratcheting wrench and 19mm long socket until tight.

H) Install the two (2) 10mm hex head bolts that hold the skidplate to the passenger side inner fender liner (be sure to line up the holes with the clips that you previously installed) as shown by the **red arrows** in **Figure 5D** using the ratcheting wrench and 10mm long socket until tight.

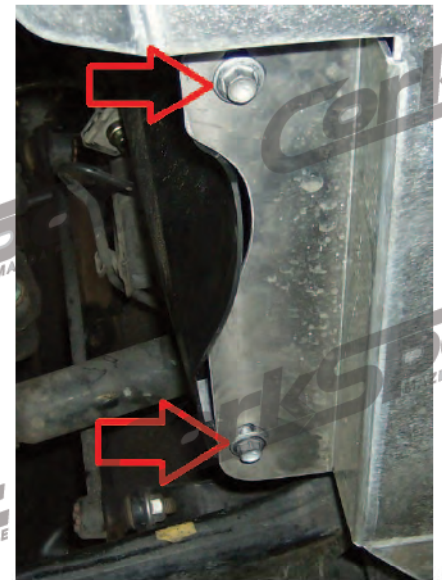


Figure 5D

I) Repeat step H for the driver's side bolts.

J) Tighten the three (3) nuts that you first installed on the rubber isolators using the ratcheting wrench and 10mm long socket.

K) Your CorkSport Aluminum Skidplate is now installed and should look like **Figure 5E** below.



Figure 5E



# Installation Instructions:

## CorkSport Aluminum Skidplate

### 2010 MazdaSpeed 3 & Mazda 3

#### 4: How to Remove the Oil Filter Cover

A) Locate the oil filter cover as shown by the red square in Figure 6A.



Figure 6A

B) Remove the six (6) phillips head screws (shown in red circles in Figure 6B) using a phillips head screwdriver and remove the cover.

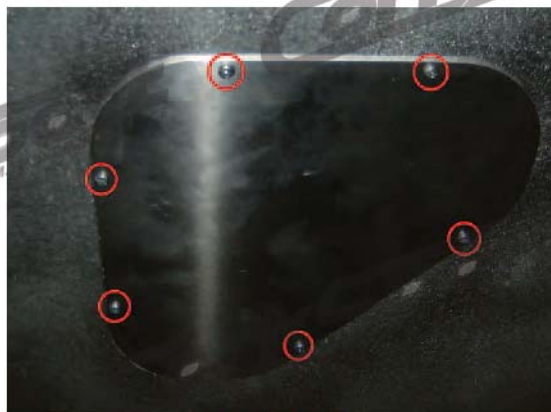


Figure 6B

C) Change the oil filter per your owners manual instructions then reinstall the oil filter cover using the six (6) phillips head screws and phillips screwdriver.