

INSTALLATION INSTRUCTIONS



CORKSPORT **Performance Steering** **Wheel**

2016+ Mazda MX-5

PART #: NDM-9-342-10

Need Help With Your Installation? Call (360)260-CORK



*We absolutely, positively,
deliver - every time.*

CORKSPORT.COM



CORKSPORT *Performance Steering Wheel*

2016+ Mazda MX-5

PRODUCT DESCRIPTION:

A thicker outer ring combined with enhanced thumb grooves and a flat bottom give your interior a much needed visual boost while giving you that courage you need for the twisties and track. The CS ND Miata wheel stays comfortable for daily use while retaining all of the buttons and creature comforts that you have grown accustomed to.

Please let us know your feedback of the by submitting a review at: <https://corksport.com/2016-mazda-miata-mx-5-performance-steering-wheel.html>

PRE-INSTALLATION NOTES:



Leather products require care & cleaning. Use a quality leather cleaner and conditioner every 6 months for proper care of your CorkSport Steering Wheel.



Disconnection of a safety system is required. It is critical to disconnect a de-charge the electrical system before proceeding with installation.



These instructions were written for reference only and the use of a factory service manual is recommended.



How our instructions work: To best cover all of our customers experience levels, we have included a table of contents/order of operations along with step-by-step instructions.



These instructions were written using a 2016 Mazda Mx-5. Other 2016+ Mazda MX-5 will be similar.



Each steering wheel is hand-built, therefore each steering wheel may have slight variation and fitment. A very small gap between OE panels and leather can be expected.

MATERIALS & TIME:

GENERAL INFO:



Time Est:
2hr



Difficulty:
3/5



CEL:
No



Warranty:
2-Year

TOOLING LIST:

- 1/2" Drive Breaker Bar
- 1/2" Drive Torque Wrench
- 1/2" 6" long extension
- 21mm Socket
- 10mm Wrench
- Long/Skinny Flathead Screwdriver
- Right Angle Pick Tool




PARTS LIST:

- One (1) CorkSport Performance Steering Wheel



A wheel alignment is required post install to re-center the steering wheel.

ORDER OF OPERATIONS & TABLE OF CONTENTS:

 OEM STEERING WHEEL REMOVAL	
Section 1: Electrical System De-Charge	Pg. 4
Section 2: Airbag Removal	Pg. 5-7
Section 3: Steering Wheel Removal	Pg. 8
 OE COMPONENTS REMOVAL	
Section 4: OE Components Removal	Pg. 9-11
 CORKSPORT STEERING WHEEL INSTALLATION	
Section 5: CorkSport Wheel Installation	Pg. 12

DETAILED INSTRUCTIONS:

1. Electrical System De-Charge

- a) Disconnect the negative battery terminal. Use a 10mm socket to loosen the terminal then remove the terminal from the battery. Shown in the red circle in Figure 1a.
- b) Remove the fuse panel cover.
- c) Remove the SRS 7.5A fuse. Shown with red circle in Figure 1b.
- d) Hold the brake pedal until the brake lights go out.
- e) The vehicle is now ready for the airbag to be removed.

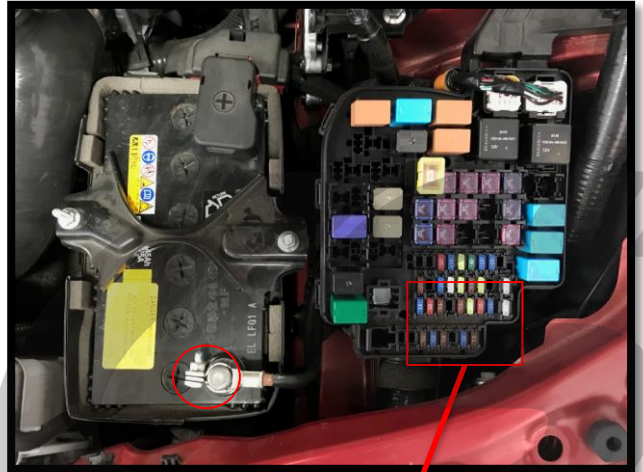


Figure 1a

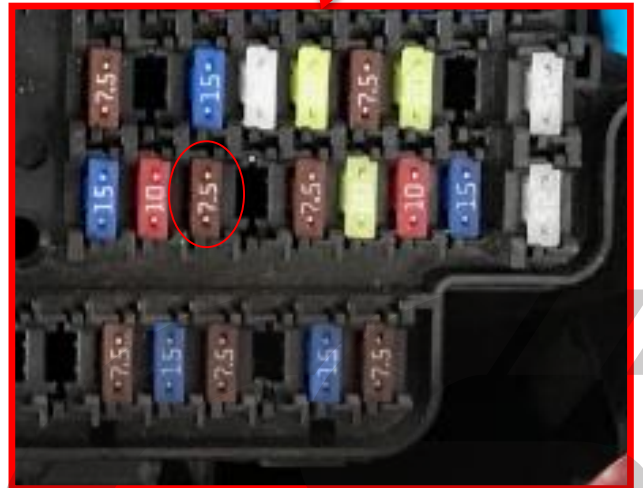


Figure 1b

DETAILED INSTRUCTIONS:

2. Airbag Removal



Removing the airbag can be a frustrating process. Please review the entire removal instructions before proceeding.

- a) Locate the airbag access holes in the steering wheel. The red arrows in Figure 2a locate the holes in the steering wheel cover and define the angle that the flathead screwdriver will be applied to the airbag spring clip.



Figure 2a

- b) Locate the airbag spring release clips. The red arrows in Figure 2b identify the spring clips that hold the airbag in place. The end of the spring clip at the head of the red arrows shows where the spring clip will need to be pushed to release the steering wheel.

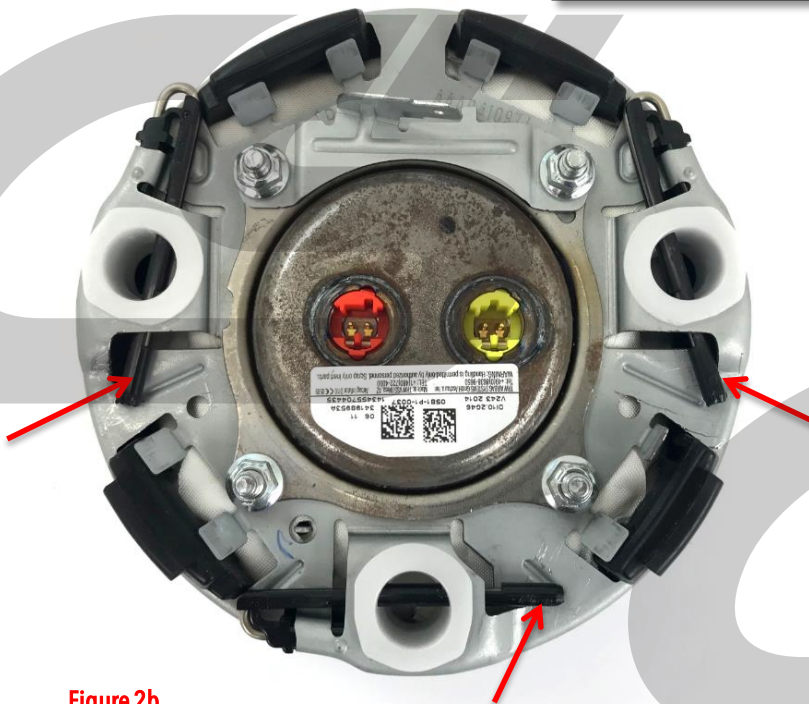


Figure 2b

DETAILED INSTRUCTIONS:

2. Airbag Removal (continued)

c) **Disengage first spring clip.** Using a skinny flathead screwdriver, as shown in Figure 2c, to push the spring lever shown in Figure 2b.



Figure 2c

d) **Disengage second spring clip.** Using a skinny flathead screwdriver, as shown in Figure 2d, to push the spring lever shown in Figure 2b.



Figure 2d

e) **Disengage last spring clip.** Using a skinny flathead screwdriver, as shown in Figure 2e, to push the spring lever shown in Figure 2b.



Figure 2e

DETAILED INSTRUCTIONS:

2. Airbag Removal (continued)

f) Remove the airbag assembly as shown in Figure 2f.

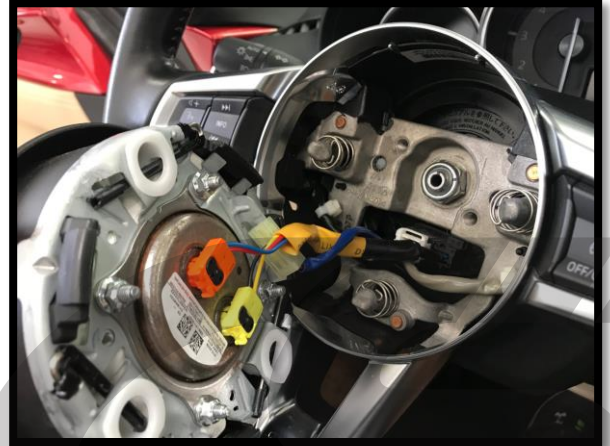


Figure 2f

g) Disconnect wiring. Using a right angle pick tool, pop the black clips loose as shown in Figure 2g with the red arrows. Then disconnect the wire circled in blue.

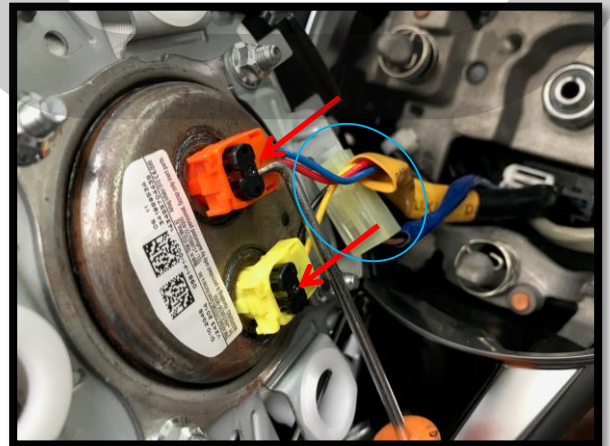


Figure 2g

h) Remove the airbag assembly for the steering wheel as shown in Figure 2h.




Figure 2h


DETAILED INSTRUCTIONS:

3. Steering Wheel Removal

- a) **Disconnect steering wheel wiring.** Disconnect the white electrical connection as circled in red in Figure 3a.

 Position the steering wheel so the front wheels are as straight forward as possible. This will help with installation in following steps.

- b) **Loosen Steering wheel nut.** Using a 21mm socket, extension, and breaker bar, loosen the steering wheel nut circled in blue in Figure 2g.

 Do not completely remove the nut at this point. Leave the nut loose while pulling the steering wheel off the steering column.

- c) **Break loose the steering wheel.** Place a hand on the 3 o'clock and 9 o'clock locations of the steering wheel. Alternate pulling the wheel towards you (off the steering column) like a rocking motion. This will loosen the wheel and break loose. The loose wheel nut keeps the wheel from abruptly pulling off into your chest.

- d) **Remove steering wheel from vehicle.** Remove the wheel nut and remove the steering wheel .

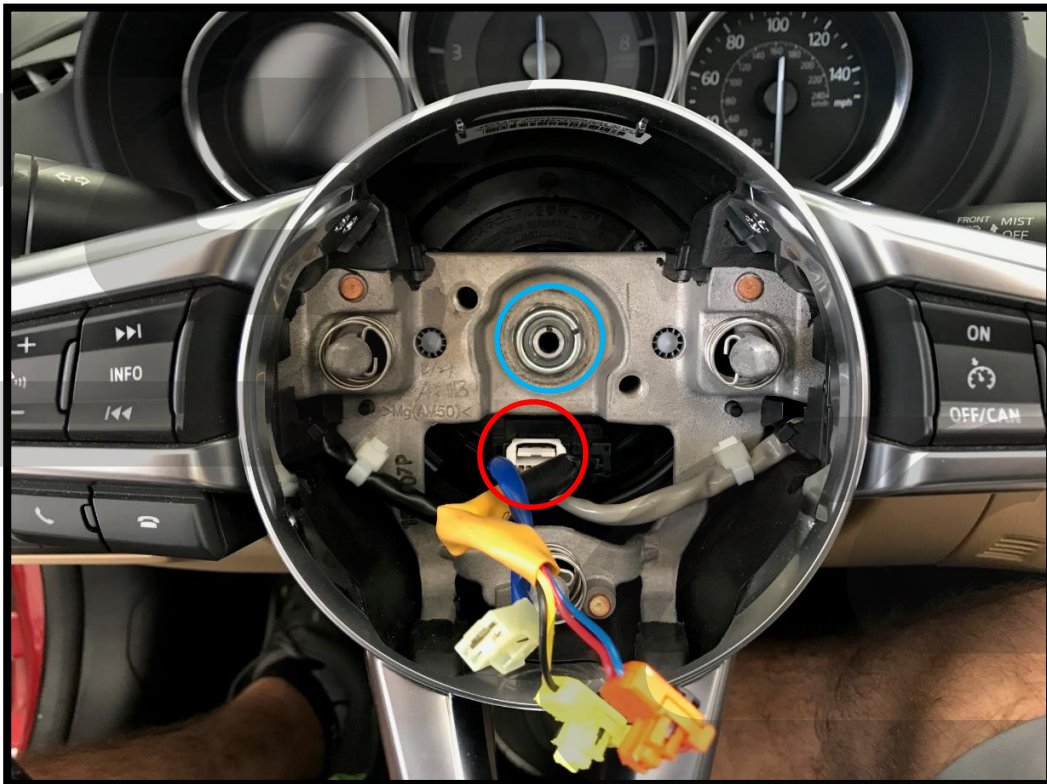


Figure 3a

DETAILED INSTRUCTIONS:**4. OE Components Removal**

- a) Locate the four retention clips on the back of the steering wheel as shown in Figure 4a. These are the main retention clips holding the back cover.

**Figure 4a**

- b) Pull up on the center of the back panel, red arrow in Figure 4b, until there is a small gap, blue circle, at the lower spoke of the back panel. Pull up on the lower spoke until it pops loose.

**Figure 4b**

- c) Pull up on the right side spoke of the back panel, red arrow in Figure 4c, until it pops loose. Repeat for the left side spoke then remove the back panel cover from the steering wheel.

**Figure 4c**

DETAILED INSTRUCTIONS:

4. OE Components Removal (continued)



The front chrome cover panel is fragile. Use caution and patience during removal.

- d) Locate the two retaining clips as shown in Figure 4d.



Figure 4d

- e) Pull up on the front cover panel at the 2 o'clock and 10 o'clock locations as shown with the red arrows in Figure 4e, until the clips are fully out.

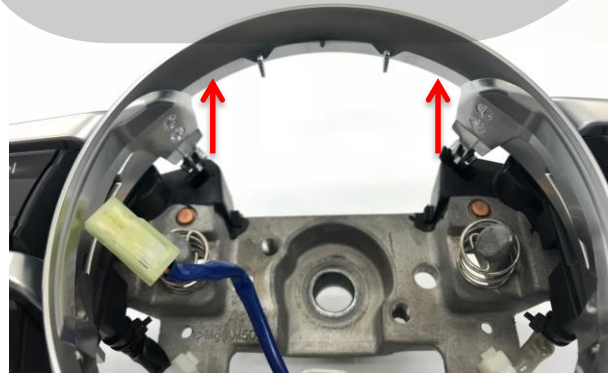


Figure 4e

- f) Pull up on the lower spoke of the front panel, red circle in Figure 4f, until it pops loose. Then remove the front panel cover from the steering wheel.

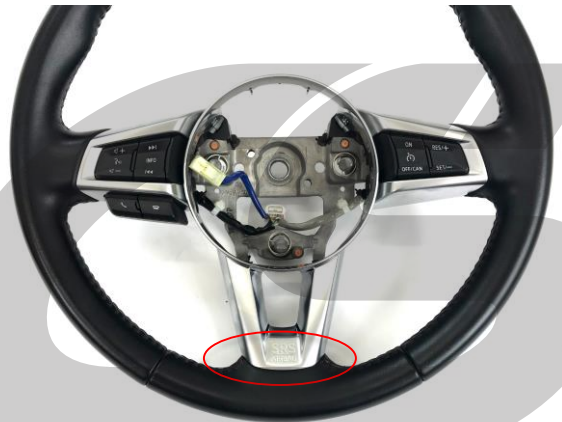


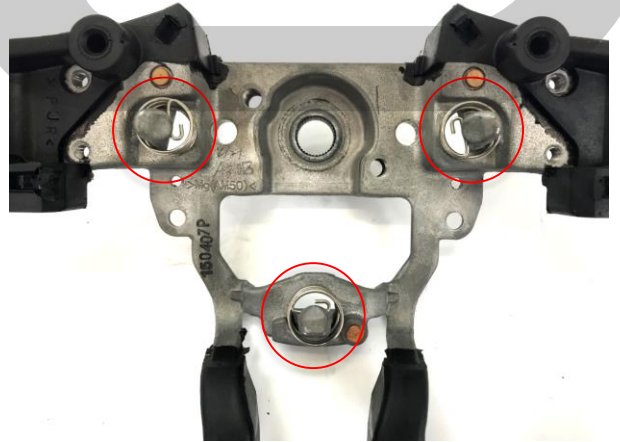
Figure 4f

DETAILED INSTRUCTIONS:**4. OE Components Removal
(continued)**

g) Locate the two white wiring retention clips, shown with the green circles in Figure 4g. Use the flathead screwdriver to push the tap close then push the clip through the wheel casting.

**Figure 4g**

h) Locate the four retaining clips per button cluster as shown in Figure 4g. Using the flathead screwdriver, push the four clips down and mostly out of the steering wheel. There is a third clip, shown with the blue circles, for each button cluster that must be pulled out from the front of the wheel.

**Figure 4h**

i) Locate the three springs shown with the red circles in Figure 4h.

**Figure 4i**

j) Remove the three springs. Using the right angle pick tool, move the straight edge of the spring pick tool past the prong then pull the spring off the steering wheel.

DETAILED INSTRUCTIONS:

5. CorkSport Wheel Installation

a) Install the OE components onto the CorkSport steering wheel in reverse order.

- a) Install springs
- b) Install button clusters & wiring clips
- c) Install front cover panel
- d) Install back cover panel



Verify the button clusters and panel are securely pressed into the steering wheel. There should be a very small to no gap between the OE components and leather grip surface.

b) Install the assembled CorkSport steering wheel into the vehicle. With the wheel pushed onto the column splines, check that the steering wheel is properly orientation with the front wheels straight. Adjust if necessary.

c) Install the steering wheel nut. Use the 21mm socket, extension, and torque wrench to torque the steering wheel nut to **29-36 ft-lbs.** Shown with the **red circle in Figure 5a.**

d) Install the airbag assembly. Connect the orange, yellow, and opaque wiring connections to the airbag assembly. Fully press the black secondary clips in the orange and yellow connections.

e) Correctly orientate the airbag assembly and push into the steering wheel. There will be a small amount of resistance then the airbag assembly will push further into the steering wheel. Try pulling the airbag out to verify it is fully seating on the springs.

f) Re-installed removed fuse and reconnect negative battery terminal.



Figure 5a



Figure 5b

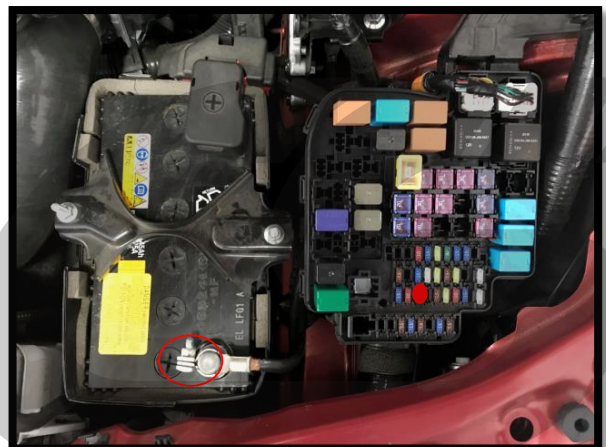


Figure 5c

WHAT'S NEXT?

CorkSport Cold Air Intake System

Help your ND Miata breathe easy with the CorkSport Cold Air Intake System. The CorkSport CAI features a CAD designed ABS box and lid, billet aluminum MAF housing and an AEM high-flow dry air filter drawing air from the OEM cold air ducting to provide you with the all the cool ambient air the 2.0L needs.



CorkSport Short Throw Shifter

Every driving enthusiast knows there are 3 (hey maybe 4) parts of the car that they have an intimate relationship with. The steering wheel, seat, pedals, and of course the shifter. Here at CorkSport we set out to develop a short throw shifter with the driving enthusiast in mind. The CorkSport Short Shifter features a throw reduction of 14% and the ability to adjust the shifter pre-load so the shifting resistance can be tailored to your preference.



CorkSport Performance Exhaust

Liven up your ND with a sporty exhaust note that won't drive you crazy during the long drives. Featuring stainless steel 60mm pipe, high-flow resonator, and dual double wall tips.

