

CorkSport Mazda 3 Hood Struts

2010+ Mazdaspeed 3



Thank you for purchasing the CorkSport Hood Struts for the Mazdaspeed 3. The simple addition of these hood struts allow one handed operation of your hood while providing much better access to the engine bay by eliminating the stock hood prop. Please let us know your feedback by providing a review here:

<http://www.corksport.com/corksport-2010-2013-mazdaspeed-3-hood-strut-lift-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 Mazdaspeed 3. Other year Mazda 3 models will be similar.

Materials and Time:



General Info.

Part #: Ax1-8-700
Time Est: 1 hours
Wrench Rating: 2/5



Tooling List

10mm wrench
12mm wrench
10mm 1/4" socket wrench
Phillips screwdriver



Parts List

Two (2) Hood Struts
Two (2) Hood Strut Brackets
Four (4) 10mm bolts
Four (4) 10mm nuts
Four (4) 6mm washers
Two (2) 12mm nuts

Need Help With Your Installation?

Call (360) 260-CORK

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

These installation instructions were written using a 2013 Mazdaspeed 3. Other years of Mazda 3 models will be similar.

1. Prepare to install hood struts

- Remove the 10mm fender bolt. (Circled in **Figure 1a**)
- Remove the plastic headlight screw clip with a Phillips head screwdriver. Remove the screw, and then pull out the clip. Shown circled in **red** in **Figure 1b**.
- Remove the Hood Bumper. Turn by hand counter clockwise. Circled in **green** in **Figure 1b**).
- Repeat the process on the drivers side. Both sides should look like **Figure 1c** when done.

2. Install CS hood strut brackets

- Place bracket inside of the fender. **Figure 2a** shows the bracket and how it looks before you put it in. **Figure 2b** shows the installed look.
- With the bracket in place start provided 10mm bolt and washer in threaded fender hole. (**Figure 2b**)
- Place the provided 10mm bolt and washer into the headlight hole. Then place one of the supplied 10mm nuts in a wrench and carefully line it up and hand tighten the bolt (**Red circle** in **Figure 2c**).
-  Take great care not to drop the nut down into the fender well
- Next tighten the fender bolt circled in **green** in **Figure 2c** and place another 10mm nut from underneath with your fingers.
- Make sure the bracket is up against the body and retighten all nuts and bolts.
- Repeat Steps 2a-2e for other side of car.

3. Install CS hood struts

- Locate the square hole in the hood hinge. Install the hood strut mounting peg into the hinge with the 12mm nut on the engine side. (Shown circled in **figure 3a**)
- Lift the hood off of the factory hood prop, and line strut up with the mounting pegs. Push the CS Hood Strut onto the bracket and Hood Hinge Peg. Not much force is needed here when done correctly. The smaller end of the strut attaches to the hood, and the larger end of the strut attaches to the CS Bracket. (**Figure 3a** and **Figure 3b**)
- Lastly, screw the hood bumper you removed back into place by turning it gently clockwise. (Circled in **Figure 3b**)
- Repeat Steps 3a-3c for other side of car.

 **This completes the installation of your CorkSport Hood Struts. Open and close the hood to make sure that nothing binds. Once the hood is 50% open it will become light. Be very careful not to let the hood open too quickly.**

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Detailed Instructions

These installation instructions were written using a 2013 Mazdaspeed 3. Other years of Mazda 3 models will be similar.

1. Prepare to install hood struts

- a) **Remove the 10mm fender bolt.** It will be painted the color of your car's body. (white shown)(Circled in **Figure 1a**)
- b) **Remove the plastic headlight screw clip** with a Phillips head screwdriver. Remove the screw, and then pull out the clip. Shown circled in **red** in **Figure 1b**.
- c) **Remove the Hood Bumper.** Turn by hand counter clockwise. Circled in **green** in **Figure 1b**.
- d) **Repeat the process on the drivers side.** Both sides should look like **Figure 1c** when done.



Figure 1a

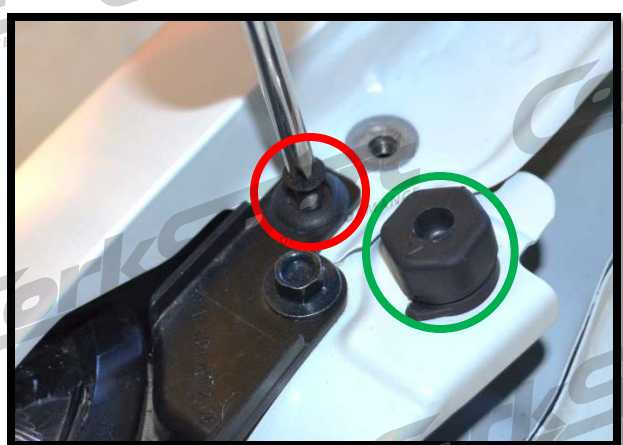


Figure 1b



Figure 1c

2. Install CS hood strut brackets

- a) **Place bracket inside of the fender.** It may take some trial and error before you can get it in place. These brackets are an exact fit, and precision made. **Figure 2a** shows the bracket and how it looks before you put it in. **Figure 2b** shows the installed look.
- b) **With the bracket in place** start provided 10mm bolt and washer in threaded fender hole. (**Figure 2b**)

Passenger Side

Passenger Side



Figure 2a



Figure 2b

2. Install CS hood strut brackets Continued...

- c) Place the provided 10mm bolt and washer into the headlight hole. Then place one of the supplied 10mm nuts in a wrench and carefully line it up and hand tighten the bolt (Red circle in Figure 2c).



Figure 2c



Take great care not to drop the nut down into the fender well

- d) Next tighten the fender bolt circled in green in Figure 2c and place another 10mm nut from underneath with your fingers.
- e) Make sure the bracket is up against the body and tighten all nuts and bolts.
- f) Repeat Steps 2a-2e for other side of car.

3. Install CS hood struts

- a) Locate the square hole in the hood hinge. Install the hood strut mounting peg into the hinge with the 12mm nut on the engine side. (Shown circled in figure 3a)
- b) Lift the hood off of the factory hood prop, and line strut up with the mounting pegs. Push the CS Hood Strut onto the bracket and Hood Hinge Peg. Not much force is needed here when done correctly. The smaller end of the strut attaches to the hood, and the larger end of the strut attaches to the CS Bracket. (Figure 3a and Figure 3b)
- c) Lastly, screw the hood bumper you removed back into place by turning it gently clockwise. (Circled in Figure 3b)
- d) Repeat Steps 3a-3c for other side of car.



figure 3a

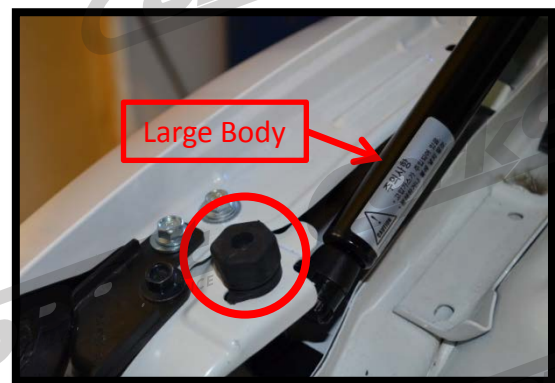


Figure 3b



This completes the installation of your CorkSport Hood Struts. Open and close the hood to make sure that nothing binds. Once the hood is 50% open it will become light. Be very careful not to let the hood open too quickly.

What's Next:

CorkSport Mazdaspeed 3 Lowering Spring Set



Give your car the performance appearance and edge you have been looking for with the CorkSport Lowering Springs. By reducing ride height approximately 1.2" in the front and 1.0" in the rear, adding the CorkSport Lowering Springs to your Mazdaspeed 3 will result in a quicker turning response, crisper road feel, a more aggressive appearance, and a firmer spring rate, while maintaining excellent ride quality. The CorkSport Mazdaspeed 3 Lowering Springs have an average increased spring rate of 25% and a conical design that trims on top to allow for a full range of adjustment with the CorkSport Camber Plates

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