

CorkSport Mazdaspeed 6 Transmission Mount Insert

2006-2007 Mazdaspeed 6



Thank you for purchasing the CorkSport Mazdaspeed 6 Transmission Mount Insert. Adding the Corksport insert to your stock mount is a very easy way to provide improved handling and reduce wheel hop. Designed to work in tandem with the stock mount, this insert provides an increase in stiffness and limits engine movement for a much better driving feel. We want to know what you think, please submit a review at: <http://www.corksport.com/corksport-2006-2007-mazdaspeed-6-transmission-mount-insert.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 2007 Mazdaspeed 6. Other year Mazdaspeed 6 models will be similar.

Materials and Time:



General Info.

Part #: Ate-6-129
Time Est: 1 hours
Wrench Rating: 2/5



Tooling List

10mm Wrench Flat Head Screw Driver
10mm Socket Floor Jack
17mm Socket Disposable Gloves
3/8" Drive Ratchet
12" Extension
Torque Wrench



Parts List

One (1) CorkSport Motor Mount Insert Set

Need Help With Your Installation?

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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

 These instructions are made using a 2007 Mazdaspeed 6. Other years will be similar.


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

- a) 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 Intake Box

 If you already have a CorkSport intake installed on your Mazdaspeed 6 you can skip to step 3.

- a) Remove the top mount intercooler cover (TMIC) by removing the two 10mm bolts. (Red Circles in Figure 2a)
- b) Disconnect the MAF housing sensor connector located on the air box. (Green circle in Figure 2b)
- c) Loosen the 10mm hose clamp bolt connecting the factory rubber intake elbow to the MAF housing. (Red Arrow in Figure 2b)
- d) Remove the two 10mm bolts on the air box bracket and remove the bracket. (Red circles in Figure 2b)
- e) Pull up on the intake box to pop it free from the car and remove it.

3. Remove the Factory Transmission Mount

- a) Remove the battery. First, disconnect the battery terminals. Next, remove the two 10mm nuts for the battery tie down bracket. (Red Circles in Figure 3a) Lift the battery out of your car and place it in a safe location.
- b) Remove the battery tray. Remove the two 10mm bolts. (Red Arrows in Figure 3b)
- c) Remove the seven 10mm bolts from the skid tray and remove the skid tray. (Figure 3c).
- d) Place a jack under the transmission and slowly jack until the motor mount barely lifts from the frame rail. This will not require a lot of pressure. Shown in Figure 3d.
- e) Pull the shift cable out of the way. (Red arrow in Figure 3e)
- f) Remove the two 17mm nuts and one 17mm bolt from the transmission mount bracket. (Red Circles in Figure 3f)
- g) Remove the 17mm bolt and remove the transmission bracket. (Red Arrow in Figure 3g)

Checklist

4. Install the Motor Mount Insert

- a) **Apply the supplied lubrication** to both the Transmission Mount Insert and inside the transmission mount recesses. (Figure 4a)



The supplied grease is very sticky. Use disposable gloves to avoid getting it on your hands.

- b) **Push the rear insert into the bushing** as shown.(Figure 4b)



This will be more difficult for higher mileage cars As the stock bushing collapses over time.

- c) **Remove the crescent shaped factory rubber piece** and place the CorkSport front insert into the bushing. (Figure 4c)

5. Install the Motor Mount

- a) **Install the mount bracket back in like it was removed and reinstall the 17mm bolt in the center.** Torque to 70-112ft-lbs. (Figure 3g)

- b) **Install the three 17mm nuts and bolt back onto the top of the transmission bracket.** Shown in (Figure 3f). Torque to 33-44ft-lbs. Remove the jack when finished.

- c) **Reinstall the shifter cable and metal clip** that were removed earlier. (Figure 3e)

- d) **Install the skid tray and seven 10mm bolts that were removed.** (Bolt locations shown in Figure 3c).

- e) **Replace the battery tray with the two 10mm bolts** (Figure 3b)

- f) **Replace the battery.** First, install the battery tie down.(Figure 3a) Finally, connect the battery terminals and tighten the 10mm nuts down.

6. Reinstall the Factory Intake Box



If you already had a CorkSport intake installed on your Mazdaspeed 6 you are finished.

- a) **Reinstall the intake box** that was removed earlier.

- b) **Reinstall the two 10mm bolts on the air box bracket.** (Red circles in Figure 2b)

- c) **Reconnect the MAF housing elbow and tighten the 10mm hose clamp bolt** connecting the elbow to the intake box. (Red Arrow in Figure 2b)

- d) **Connect the MAF housing sensor connector** located on the air box. (Green circle in Figure 2b)

- e) **Reinstall the top mount intercooler cover (TMIC).** Tighten the two 10mm bolts to 7ft-lbs. (Red Circles in Figure 2a)



This completes the installation of your CorkSport Transmission Mount Insert. Let the car down off jack stands and start the vehicle. If there is any unusual sound or feeling of the motor shifting recheck the torque on the four 17mm nuts and bolts.

Detailed Instructions

These instructions are made using a 2007 Mazdaspeed 6. Other years will be similar.

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

- a) 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 Intake Box



If you already have a CorkSport intake installed on your Mazdaspeed 6 you can skip to step 3.

- a) Remove the top mount intercooler cover (TMIC) by removing the two 10mm bolts. (Red Circles in Figure 2a)
- b) Disconnect the MAF housing sensor connector located on the air box (Green circle in Figure 2b)
- c) Loosen the 10mm hose clamp bolt connecting the factory rubber intake elbow to the MAF housing. (Red Arrow in Figure 2b)
- d) Remove the two 10mm bolts on the air box bracket and remove the bracket (Red circles in Figure 2b)
- e) Pull up on the intake box to pop it free from the car and remove it.

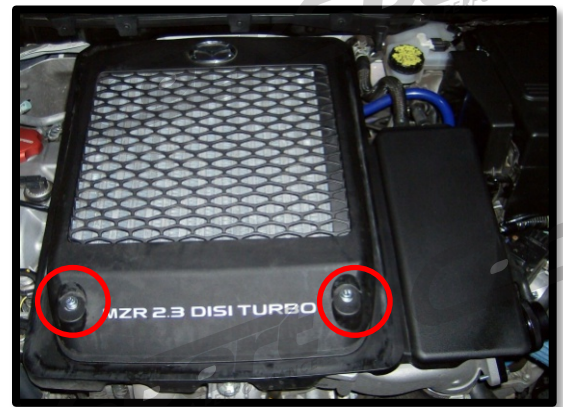


Figure 2a



Figure 2b

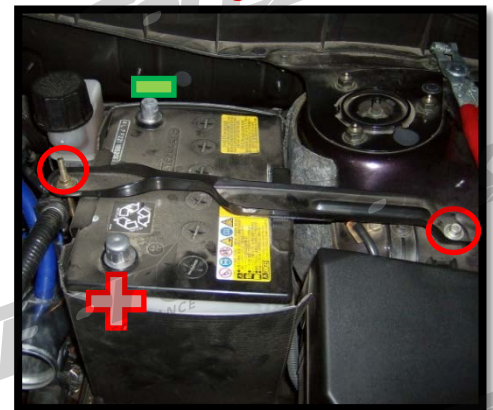


Figure 3a

3. Remove the Factory Transmission Mount

- a) Remove the battery. First, disconnect the battery terminals with a 10mm end wrench. Disconnect the negative terminal of the battery first, then the positive terminal. Next, remove the two 10mm nuts for the battery tie down bracket. (Red Circles in Figure 3a) Lift the battery out of your car and place it in a safe location.
- b) Remove the battery tray. Remove the two 10mm bolts, and pull out the battery tray. (Red Arrows in Figure 3b)



Figure 3b

3. Remove the Factory Transmission Mount Continued...

c) Remove the seven 10mm bolts from the skid tray and remove the skid tray. Bolt locations shown with red circles in Figure 3c).

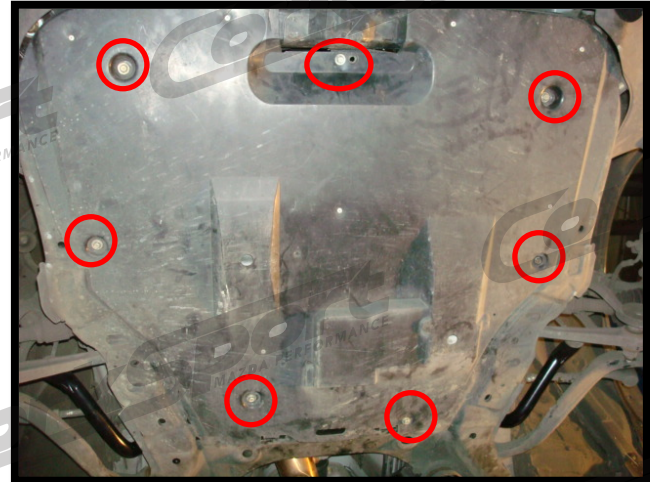


Figure 3c

d) Place a jack under the transmission and slowly jack until the motor mount barely lifts from the frame rail. This will not require a lot of pressure. A good spot to hold the transmission is shown circled in Figure 3d.

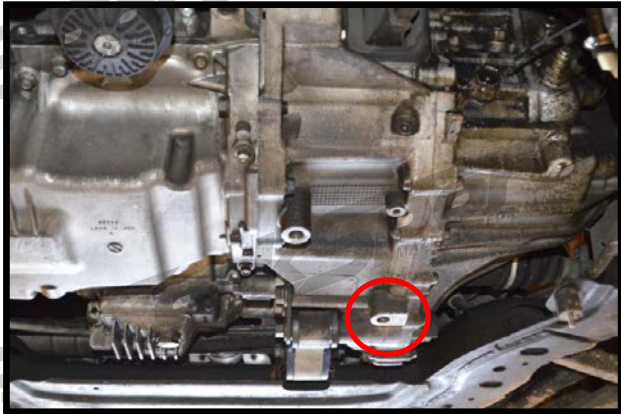


Figure 3d

e) Pull the shift cable out of the way. Use a flat head screwdriver to pry up the metal clip, and pull the shift cable up to gain access to the 17mm transmission bracket nut. (Red arrow in Figure 3e)



Figure 3e

f) Remove the two 17mm nuts and one 17mm bolt from the transmission mount bracket. (Red Circles in Figure 3f) CorkSport insert shown installed.

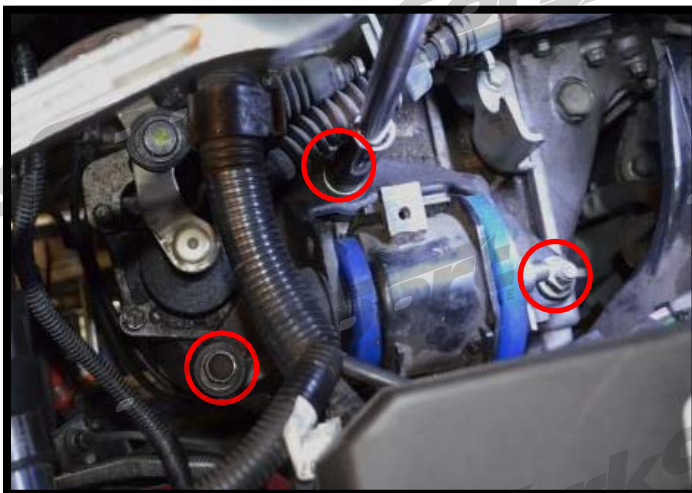


Figure 3f

g) Remove the 17mm bolt and remove the transmission bracket. The transmission should be supported by the jack. (Red Arrow in Figure 3g)

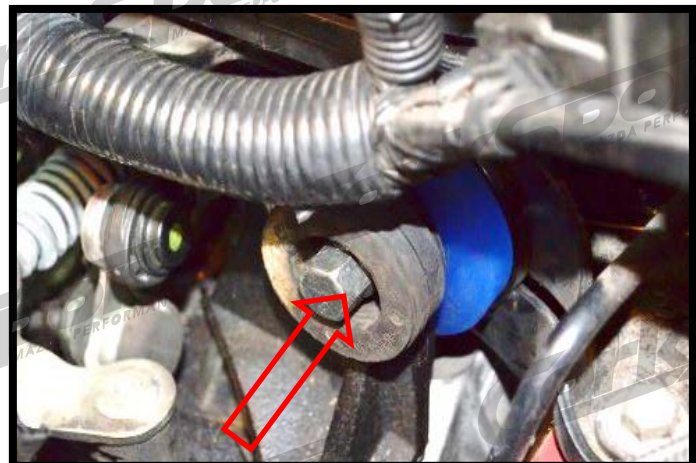


Figure 3g

4. Install the Motor Mount Insert

- a) **Apply the supplied lubrication** to both the Transmission Mount Insert and inside the transmission mount recesses. Lubrication areas are shown with arrows in [Figure 4a](#) but a good rule of thumb is to lubricate as much surface as possible.



The supplied grease is very sticky. Use disposable gloves to avoid getting it on your hands.

- b) **Push the rear insert into the bushing** as shown. ([Figure 4b](#))



This will be more difficult for higher mileage cars As the stock bushing collapses over time.

- c) **Remove the crescent shaped factory rubber piece** and place the CorkSport front insert into the bushing. ([Figure 4c](#))



Figure 4a



Figure 4b



Figure 4c



5. Install the Motor Mount

- a) **Install the mount bracket** back in like it was removed and reinstall the 17mm bolt in the center. Torque to 70-112ft-lbs. ([Figure 3g](#))
- b) **Install the three 17mm nuts and bolt** back onto the top of the transmission bracket. Shown in ([Figure 3f](#)). Torque to 33-44ft-lbs. Remove the jack when finished.
- c) **Reinstall the Shifter cable and metal clip** that were removed earlier. ([Figure 3e](#))
- d) **Install the skid tray and seven 10mm bolts** that were removed. (bolt locations shown in [Figure 3c](#))
- e) **Replace the battery tray with the two 10mm bolts.** ([Figure 3b](#))
- f) **Replace the battery.** First, install the battery tie down and tighten the two 10mm nuts. ([Figure 3a](#)) Finally, connect the battery terminals and tighten the 10mm nuts down.

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6. Reinstall the Factory Intake Box



If you already had a CorkSport intake installed on your Mazdaspeed 6 you are finished.

- a) Reinstall the intake box that was removed earlier.
- b) Reinstall the two 10mm bolts on the air box bracket. (Red circles in Figure 2b)
- c) Reconnect the MAF housing elbow and tighten the 10mm hose clamp bolt connecting the elbow to the intake box. (Red Arrow in Figure 2b) Do not over tighten bolt. Only 7-10ft-lbs is required to tighten the clamp.
- d) Connect the MAF housing sensor connector located on the air box. (Green circle in Figure 2b)
- e) Reinstall the top mount intercooler cover (TMIC). Tighten the two 10mm bolts to 7ft-lbs. (Red Circles in Figure 2a)



This completes the installation of your CorkSport Transmission Mount Insert. Let the car down off jack stands and start the vehicle. If there is any unusual sound or feeling of the motor shifting recheck the torque on the four 17mm nuts and bolts.

What's Next:

[CORKSPORT Mazdaspeed 6 2006-2007 Rear Differential Mount](#)



The CorkSport Mazdaspeed 6 Rear Differential Mount provides a bulletproof design to withstand any abuse your Mazda can throw at it. Crafted from extremely lightweight billet aluminum, the CorkSport Rear Differential Mount uses only the highest grade hardware and steel shear pins. Tested by some of the most powerful Mazdaspeed 6's around, you can be assured the CorkSport Rear Differential Mount can withstand whatever you can throw its way. Whether you want to upgrade your OEM mount to something more durable or have a high horsepower Speed 6 that has already destroyed your stock mount, this is the mount for you.

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