

[c o r k s p o r t]



Installation Instructions for the 06+ CorkSport Front Strut Tower Bar

Tool required

- 14mm Wrench and Socket
- Torque Wrench
- 3/8 Drive Ratchet
- 10mm Wrench and Socket
- 12mm Wrench and Socket
- 17/64 Drill Bit with Drill

Contents

- One CorkSport Front Strut Tower Bar
- Nine Page Installation Instructions
- One M6 x 1.00 20mm Long Bolts
- One M6 x 1.00 Flange Nuts
- One PRS Valve Bracket
- Four M8 x 1.25 Flange nuts

OPTIONAL BRACKET PARTS

- Four M6 x 1.00 20mm Long Bolts
- Four M6 x 1.00 Flange Nuts
- Two Fire wall Mounting Brackets

NOTE: These installation instructions were written using a 06 Miata with a factory front strut tower bar. If your Miata was not equipped with a factory strut bar, drilling into the firewall will be required. We recommend a factory service manual for use to remove cowl covers for drilling and installing brackets.

Thank you for your purchase. If you have any questions please call CorkSport at 360 260 CORK

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NOTE: If Your Miata was equipped with a factory strut bar, installation should take about an hour. If your Miata was not equipped with a factory strut bar, installation will take about 1½ hours. If your Miata was not factory equipped with a strut tower bar the brackets for the fire wall are optionally supplied with the bar.

Step 1: Open hood. Locate the four (4) 12mm head nuts (two on each side) of your factory strut bar to strut tower location and remove.



Step 2: Locate the four (4) 12mm head nuts at the factory strut bar to fire wall brackets and remove nuts and bars. The factory bar comes off in three pieces.



Step 3: Remove the six (6) 14mm head nuts (three on each side) from the strut towers, and remove brackets.



Pictures continued on next page.

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Step 4: On the right side of Miata, locate the 10mm head nut on the ABS control unit bracket and remove nut. Save nut for later use.



Step 5: Locate the pressure regulator solenoid valve (PRSV) on intake pipe and remove PRSV with its bracket from intake pipe. The PRSV bracket is press fit in the rubber intake hose, so it just pulls out of the hose.



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Step 6: Install CorkSport strut tower bar in Miata on to firewall brackets and the strut towers. You will have to move the ABS control unit, on right side of Miata, towards the engine for the strut bar to fit on the tower.

NOTE: If your Miata was not factory equipped with a strut tower bar the brackets for the fire wall are supplied with the bar. Please skip down to Step 11 for instructions on installing brackets before returning to step 6/7.



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Step 7: Install original four (4) 12mm head nuts on strut bar to fire wall brackets and tighten to 18-22 ft/lbs.

CAUTION: Do not over tighten these nuts, as they will break.



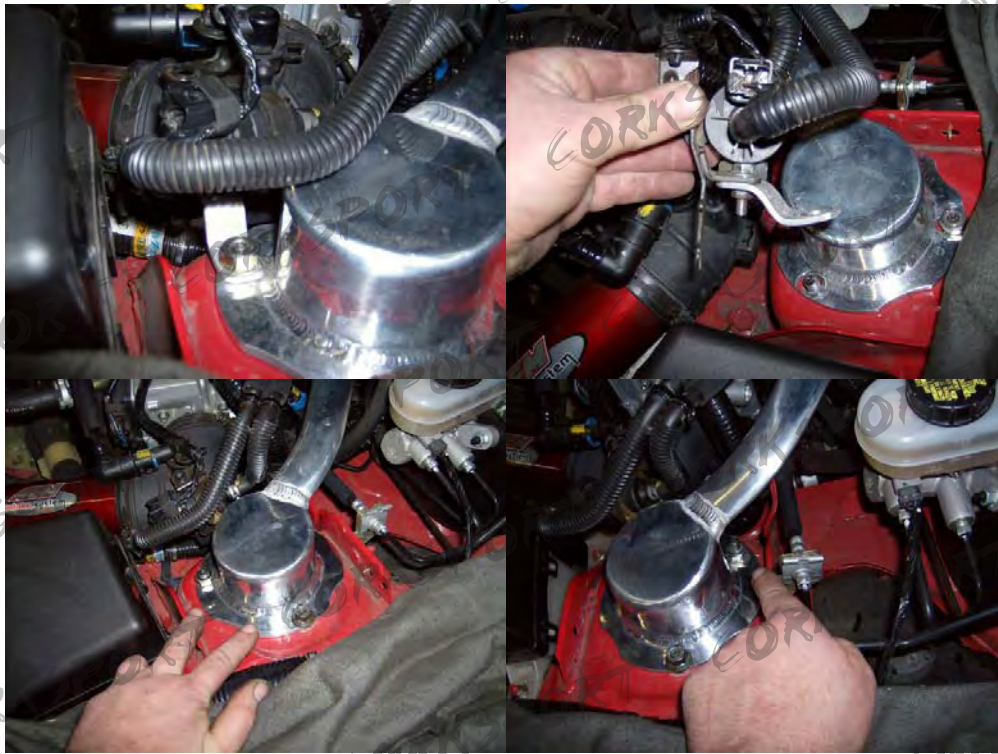
Step 8: Install three (3) of the original six (6) strut tower 14mm head nuts on the right side of Miata. Tighten nuts to 34-46ft/lbs.

NOTE: On right side of Miata replace the ABS control unit over strut bar and back onto its original stud. Replace original 10mm head nut after the strut tower nuts have been tightened.



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Step 9: On left side of Miata, install the PRSV bracket on to PRSV using M6 bolt and nut supplied. Install Bracket and the three (3) original 14mm head nuts on strut tower. Tighten nuts to 34-46ft/lbs



Step 10: Double check tightness of all the nuts and bolts.

Install complete, enjoy your new bar

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INSTALLATION OF OPTIONAL FIREWALL BRACKETS

Step 11: Remove covers from your windshield wiper arms, remove 14mm head nuts, and remove arms.



Step 12: Remove two (2) plastic covers from corners of cowl cover. Remove the Phillips head screws. Disconnect windshield washer hose and remove cowl cover.



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Step 13: Remove three (3) 10mm head nuts from A/C hard line brackets and vacuum supply hose bracket to fire wall.

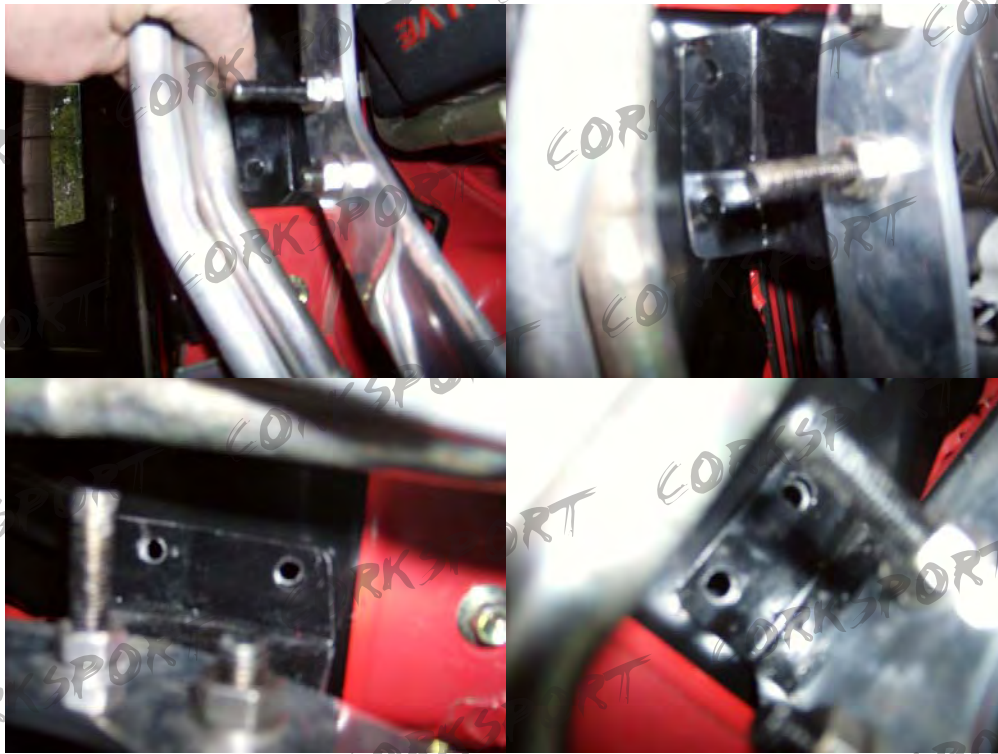


Step 14: Install supplied brackets with supplied M8 x 1.25 thread pitch nuts onto strut tower bar. The longer studs of the brackets should be towards the middle of the bar. Tighten nuts to 24-32ft/lbs.



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Step 15: Install bar onto strut towers of Miata. Make sure firewall brackets are under the A/C and vacuum line. Locate the holes in the bracket to the firewall and drill the firewall with a 17/64 drill bit.



Step 16: Install supplied M6 x 20mm long flange bolts through firewall and brackets. Install supplied M6 flange nuts onto bolts and tighten to 12-16ft/lbs.



Step 17: Reinstall the A/C and vacuum line brackets to the firewall with original 10mm head nuts. Reinstall cowl cover, windshield wiper arms into Miata with original hardware removed. You may now go back to step 7 to finish the installation.

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