

[c o r k s p o r t]



CorkSport MazdaSpeed Protégé Intake Kit Installation Instructions

Tools Required

- Floor Jack
- Jack Stands
- Safety Glasses
- Ratchet
- 10mm & 12mm Wrench and Socket
- Phillips Head Screw Driver
- Adjustable Wrench
- Needle nose pliers

Contents

- Two CorkSport Intake Pipes
- One 2.0- 2.25" I.D. Silicone Coupler
- Two 2.75" I.D. Silicone Coupler
- One M6 Rubber Isolator
- 9 Page Instructions
- 8" 20mm ID Hose
- One 2.5" "T" Bolt Hose Clamps
- One 2.25" "T" Bolt Hose Clamp
- Four 2.75" "T" Bolt Hose Clamps
- One 3" "T" Bolt Hose Clamp
- One CorkSport Dry Flow Filter
- One M6 Flange Nut
- 10" 4mm ID Hose

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

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NOTE: These instructions were written to be used as a guide only. It is recommended that you use a factory repair manual. Installation should take about 1 ½ hours.

CAUTION: Let vehicle completely cool down prior to installation. Disconnect negative battery cable prior to installation

Step 1: Disconnect Mass Airflow Sensor plug and Intake Air Temperature sensor plug.
Disconnect wiring clip using needle nose pliers.

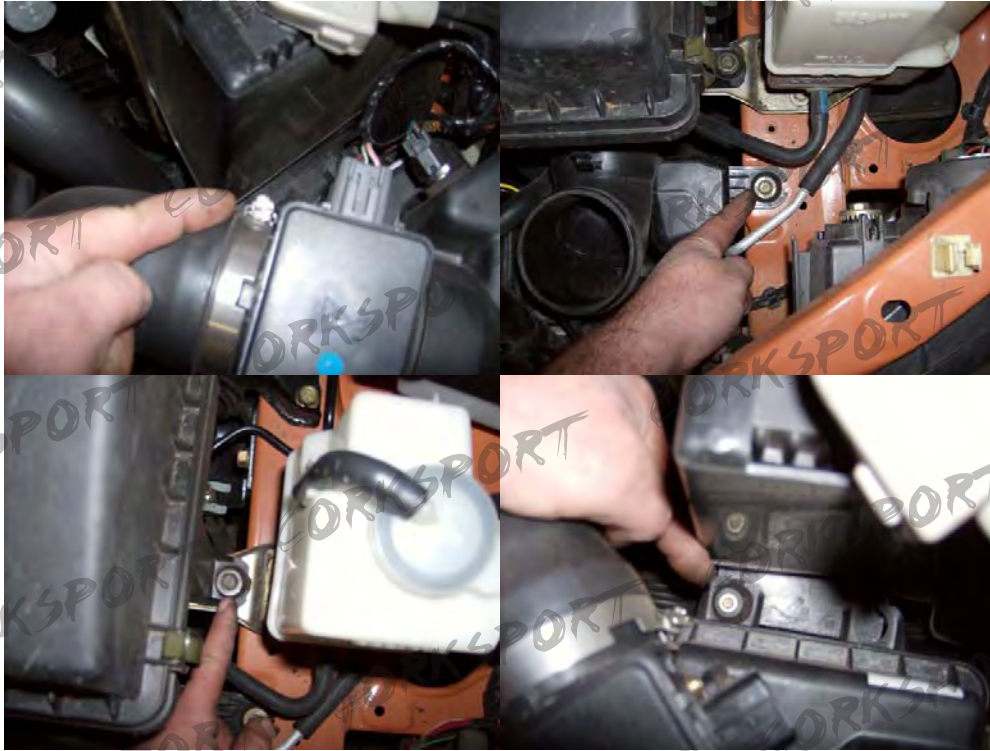


Step 2: Remove 10mm head bolt from air box inlet pipe and remove pipe. On some models, this is just a J shaped air horn as shown in the above photo. Leave it on the airbox if that is the case.



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Step 3: Loosen clamp at intake pipe to MAF connection. Remove the two or three (depending on model year) 10mm or 12mm (depending on model year) head bolts/nuts from air box mounting brackets and remove air box and MAF Sensor as a combined unit.



Step 4: Remove two (2) 10mm head bolts from coolant overflow bottle bracket and set bottle and bracket out of way.



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Step 5: Disconnect vent hose by pulling it out of the intake pipe and use needle nosed pliers to loosen recirculation valve clamp and remove recirculation hose.



Step 6: Jack up front of vehicle and place securely on jack stands.

WARNING: Follow instructions of your jack and jack stands or serious injury or death may occur.

Step 7: From underneath the vehicle, loosen the inlet pipe hose clamp from turbo inlet. Remove pipe.



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Step 8: Remove two (2) 10mm head bolts from MAF to air box and remove from air box.
With air flow meter removed, remove the MAF to air box seal.

NOTE: Note the flow direction of the MAF prior to removal from the airbox.



Step 9: Remove intake air temp sensor grommet from air box and install into intake pipe # 2.



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Step 10: Install 2.25" "T" bolt clamp onto 2.25" side of the 2.25" - 2.5" silicone coupler. Install coupler onto turbo inlet and tighten "T" bolt clamp. The 2.25" side goes onto turbo.



Step 11: Install 2.5" "T" bolt clamp onto coupler previously installed and install pipe #1 into coupler. Leave "T" bolt clamp loose at this time.



Step 12: Install a 2.75" silicone coupler with 2 "T" bolt clamps onto pipe #1. Install air flow meter into other side of silicone coupler and tighten both "T" bolt clamps. Install the other 2.75" silicone coupler with "T" bolt clamps onto other side of air flow meter.



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Step 13: Install supplied M6 isolator stud into hole shown in picture and tighten. Install pipe #2 through hole in fender well, into silicone coupler on air flow meter, and onto M6 isolator.



Step 14: From underneath vehicle, remove the three (3) 8mm/Philips head screws from the inner fender liner to bumper. Pull back panel and install supplied air filter and to intake pipe and tighten clamp.

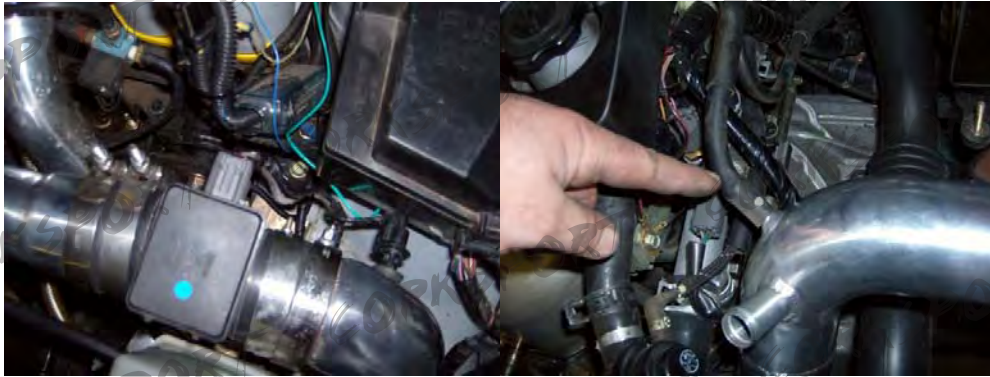


Photos continued next page.

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Step 15: Go back and make sure all "T" bolt clamps are tightened. Plug in air flow meter and install intake air temperature sensor into rubber grommet in pipe #2. Re install vent hose to intake pipe.



Step 16: Re install the three (3) Phillips/8mm head bolts in lower part of fender liner to bumper.



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Step 17: Position coolant overflow bottle and bracket as shown, and reinstall one original 10mm head bolt.



Step 18: Using supplied 20mm I.D. hose and 4mm vacuum hose, configure recirculation valve as shown below. The 20mm hose can be cut into two pieces as shown with a pair of scissors. Orientation of the hard vacuum elbow which is clamped to the recirculation valve must be oriented as shown. The recirculation valve will be installed upside down and reorienting the vacuum elbow as shown is required for it to face toward the tee it connects into. Reuse all factory hose clamps in this step. You should have four of them. Two are shown in the images below.



Step 19: Remove Protégé from jack stands. Reconnect negative battery cable. Start up Protégé and verify there are no air leaks, if there are then go back through and check tightness of hose clamps.

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