

[ c o r k s p o r t ]



### CorkSport Short Ram Intake for the CX-7 Install Instructions

#### Tools Required

- 10mm Deep Socket and Wrench
- Ratchet
- Angled Needle Nose Pliers
- Philips Head Screw Driver
- 3mm Allen Head Wrench

#### Contents

- CorkSport Turbo Inlet Pipe
- One 2 – 2 ¼” Silicone Coupler
- One 2 ¼” – 3” Angled Silicone Coupler
- One 2” Band Style Hose Clamp
- Two 2 ¼” Band Style Hose Clamps
- Two 3” Band Style Hose Clamps
- One Transmission Fill Tube Relocation Bracket
- One CorkSport MAF Housing w/ Screws
- One Cone Style Filter
- 6” Length, small ID Silicone Hose
- 12” Length, large ID Silicone Hose
- One M6 x 1.00 Thread 20mm Long Bolt With Flange Nut
- 12 Page Install Instructions

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

NOTE: These instructions were written using a 2006 CX-7 FWD. 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. Installation should take approximately 1 hour.

WARNING: Make sure vehicle is completely cooled down prior to starting installation.

Step 1: Park vehicle on a level surface and open hood. Remove 2 plastic clips at front of intercooler cover and lift up then pull out cover.



Step 2: Disconnect battery, negative terminal first. Loosen 2 10mm head nuts for battery hold down and remove hold down.



Step 3: Remove two (2) 10mm head bolts from air box inlet duct. Disconnect MAF sensor plug. Disconnect MAF sensor harness from clip on air box.



Pictures Continued On Next Page

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Step 4: Loosen inlet hose clamp from air box with a 10mm or Phillips head screw driver and remove hose from air box. Pull up on air box and out of vehicle.



Step 5: Remove battery from vehicle. Remove three (3) 10mm head bolts and one 10mm head nut from battery tray. Disconnect wire harness clips from tray and remove tray.



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Step 6: Remove 10mm head bolt from transmission fill tube bracket and twist tube in a counter clockwise direction.



Step 7: Remove the crank case vent tube from valve cover. Loosen hose clamp at rubber inlet pipe to hard pipe connection and remove rubber inlet pipe with vent tube attached.



Step 8: Remove Bypass hose valve from bypass hose and inlet tube.



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Step 9: Remove wire harness clip from bracket above inlet pipe and two (2) clips from inlet pipe.



Step 10: Remove waste gate solenoid vacuum line from inlet pipe and solenoid.

TIP: Use a twisting motion to release the vacuum line from their nipples.



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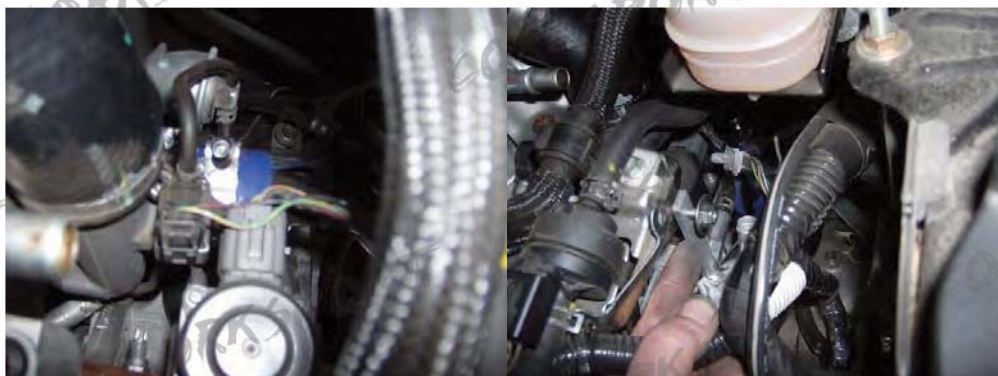
Step 11: Remove 10mm head nut from inlet pipe bracket. Loosen hose clamp from inlet pipe to turbo and remove pipe.



Step 12: Install the 2 – 2 ¼” silicone coupler to turbo with one (1) 2” T-bolt clamp. Install the 2” side on the turbo. Tighten the clamp.



Step 13: Install another 2 ¼” T-bolt clamp to the previously installed silicone coupler. Install CorkSport hard pipe into coupler and onto bracket. Install original 10mm nut on bracket and tighten nut as well as T-bolt clamp.



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Step 14: Install supplied transmission fill tube relocation bracket to the bottom of the fill tube bracket with supplied M6 bolt and nut. Install original 10mm head bolt to bracket and to transmission. Tighten bolts and nut.



Step 15: Install supplied 14mm I.D. silicone hose to nipple on top of pipe and to nipple on valve cover.



Step 16: **\*Warning\*** The aluminum 4mm nipple can be damaged easily. Make sure to be gentle when installing the 4mm hose. Connect supplied 4mm silicone hose to small nipple on inlet pipe and onto waste gate control solenoid.



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Step 17: Reinstall battery tray with original 3 10mm head bolts and 1 10mm head nut.  
Reconnect wire harness clips.



Step 18: Install battery and battery hold down back into tray. Tighten 10mm head battery hold down nuts. Do not reconnect battery at this time.



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Step 19: Install hose onto bypass valve tube on inlet pipe and onto bypass valve using the stock spring clamps as shown below.



Step 20: Install 2 1/4" T-bolt clamp onto 2 1/4" side of angled silicone coupler and install onto inlet pipe. Install 3" T-bolt clamp onto 3" side of coupler.



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Step 21: Install MAF housing into coupler making sure arrow is pointing towards the inlet of the silicone coupler.



Step 22: Install air filter with its hose clamp onto other end of MAF housing and tighten hose clamp.



Step 23: Position silicone coupler and MAF housing as shown in picture and make sure silicone coupler is not touching battery tray or battery and tighten the 2 hose clamps.



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Step 24: Remove two (2) Phillips head screws from MAF sensor in air box. Install MAF sensor in MAF housing with the two (2) supplied 3mm allen head bolts.

NOTE: MAF sensor will only fit in housing one direction. Make sure MAF sensor is fully seated prior to tightening bolts.



Step 25: Reconnect MAF sensor plug to sensor. Reconnect battery (positive cable first).



Step 26: Reinstall inter cooler cover with original plastic clips.



Start up vehicle. If vehicle has any idling issues, recheck all hose clamps for tightness and double check MAF sensor that it is fully seated in the housing. Test drive. After test drive, recheck all hose clamps again for tightness.

Follow the instructions that came with the air filter for maintenance of the air filter.

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