



Cold Air Intake System for 07-12 Cooper S / JCW

2012-08-14

Thank you for purchasing this ALTA product for your car! Installation of this product should only be performed by persons experienced with installation of aftermarket performance parts and proper operation of high performance vehicles. If vehicle needs to be raised off the ground for installation, the installer must use proper jacks, jack-stands and/or a professional vehicle hoist for safety of the installer and to protect property. If the vehicle is lifted improperly, serious injury or death may occur! Please read through all instructions before performing any portion of installation. If you have any questions, please contact our tech department prior to starting installation. We can be reached in any of the following methods:

Email Tech@ALTApformance.com

Instant Chat off the main page of www.ALTAperformance.com

Or simply call our tech team at 503-693-1702

GENERAL MODIFICATION NOTE

Modifications to any vehicle can change the handling and performance. As with any vehicle extreme care must be used to prevent loss of control or roll-over during sharp turns or abrupt maneuvers. Always wear seat belts, and drive safely, recognizing that reduced speeds and specialized driving techniques may be required. Failure to drive a vehicle safely may result in serious injury or death. Do not drive a vehicle unless you are familiar with its unique handling characteristics and are confident of your ability to maintain control under all driving conditions. Some modifications (and combinations of modifications) are not recommended and may not be permitted in your state or country. Consult the owner's manual, service manual, instructions accompanying these products, and local laws before purchasing and installing these modifications. You are responsible for the legality and safety of the vehicle you modify using these components.

SPECIAL NOTES:

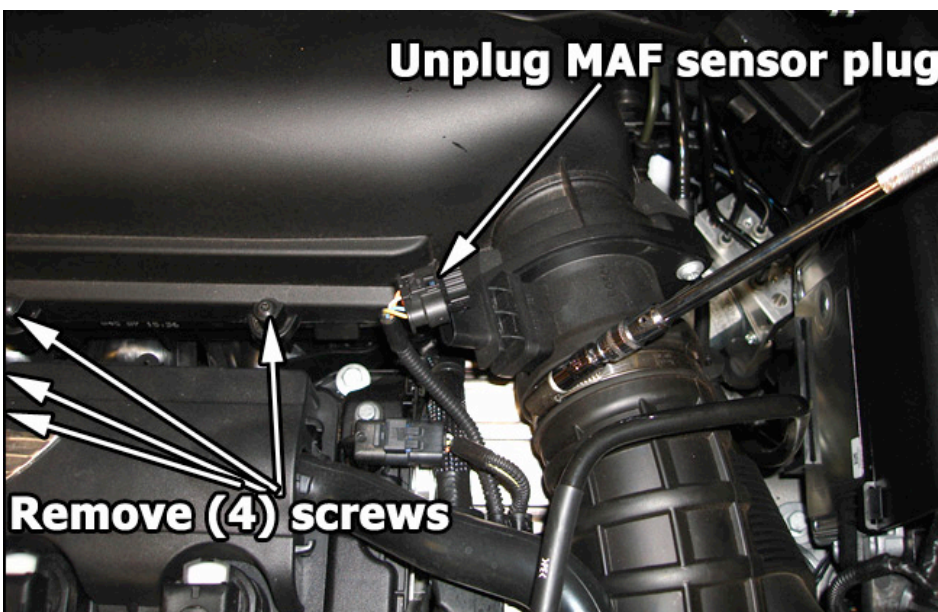
- Use of the factory service manual can be very helpful during the installation. <http://www.realoem.com> has diagrams for the entire car, which can also be helpful.
- Make sure to clean the excess oil from the inside of the filter base. This will ensure that the filter doesn't slip off intake system.
- We recommend that your filter should be cleaned every 5-10,000 miles, depending on local dust and pollutant levels. A special foam filter cleaning kit is available from our website and dealers. NOTE: Use of other cleaners and oils can damage filter and void warranty.
- If aftermarket strut bar is installed, you will have to remove this before installation. Our air box shroud has a notch in it to clear most strut bars. Some bars may require modification to the shroud. This can be done with carbide tip air tools.

Parts Included with the ALTA R56 Cold Air Intake system:

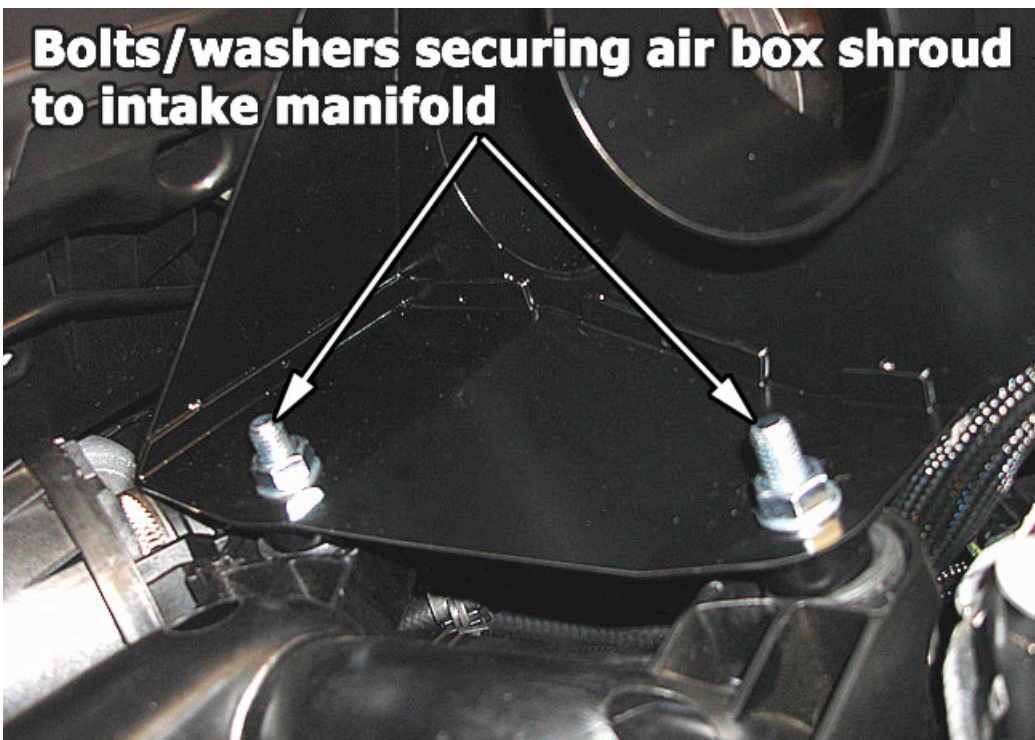
- (1) ALTA R56 Air Box Shroud
- (1) ALTA Air Filter 2.75" ID
- (1) 2.75" Silicone Elbow
- (1) 3.25"-2.5" Silicone reducer coupler
- (3) Size 48 hose clamps
- (1) Size 36 hose clamp
- (2) M8x40 Hex head bolt
- (2) M8 Flat washers
- (2) M8 fender washer
- (2) M8 Nut

Installation of ALTA Cold Air Intake:

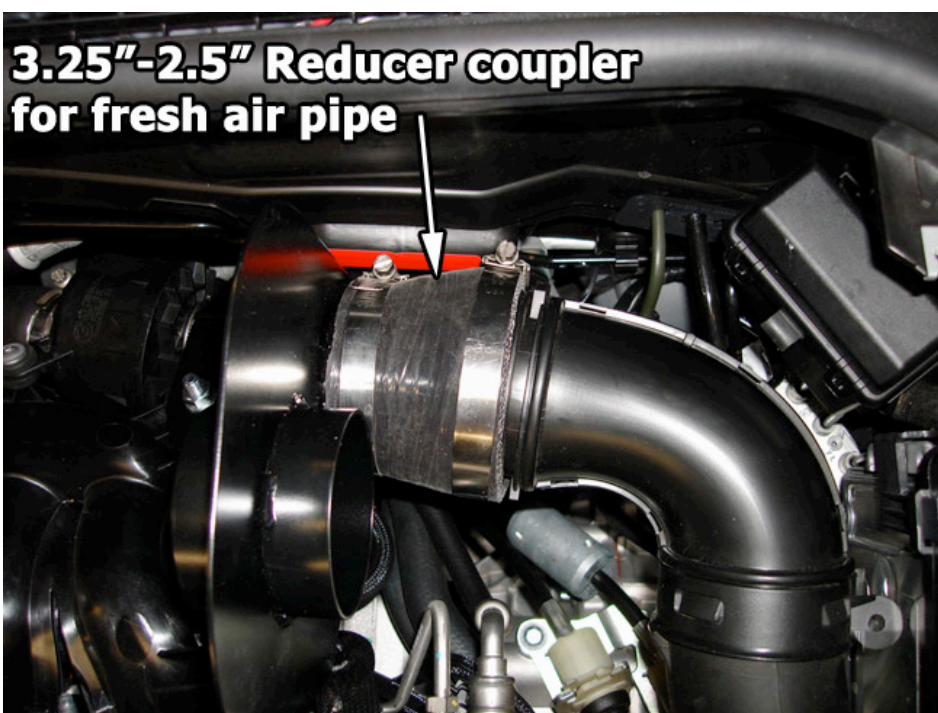
1. Open hood and disconnect battery (-) terminal. (Battery is located in passenger side window cowl cover)
2. Remove hose clamp securing MAF housing to turbo inlet hose. Remove Electrical connection on MAF sensor.
3. Remove (4) Torx screws from top of air box and lift off top w/MAF sensor out of car.



4. Free air box bottom from vehicle by removing (1) torx screw located on passenger side and free from intake manifold. **NOTE: You will find resistance from (3) rubber snaps holding bottom to intake manifold. Simply lift up to free from intake manifold.**
5. With air box bottom free, locate fresh air pipe where it enters bottom on left side of vehicle. Release this connection by twisting roughly 60 degrees, then pulling straight out. **NOTE: There is a large o-ring located behind this flange and can make the tube very hard to remove from air box. Spraying down with some penetrating lube will help removal of pipe. Also sometimes the rubber mounts located on intake manifold can come out with box. If this happens, reinstall rubber mounts back into intake manifold.**
6. Unbolt MAF housing from air box top. Take extreme care in not dropping MAF housing, as this is an easily damaged item. **NOTE: If OEM o-ring stays attached to MAF sensor, remove and keep with OEM air box.**
7. Install ALTA R56 air box shroud onto intake manifold. Run bolts through rubber mounts from the bottom up. Install supplied M8 washers and nuts to each bolt, but leave loose at this time.



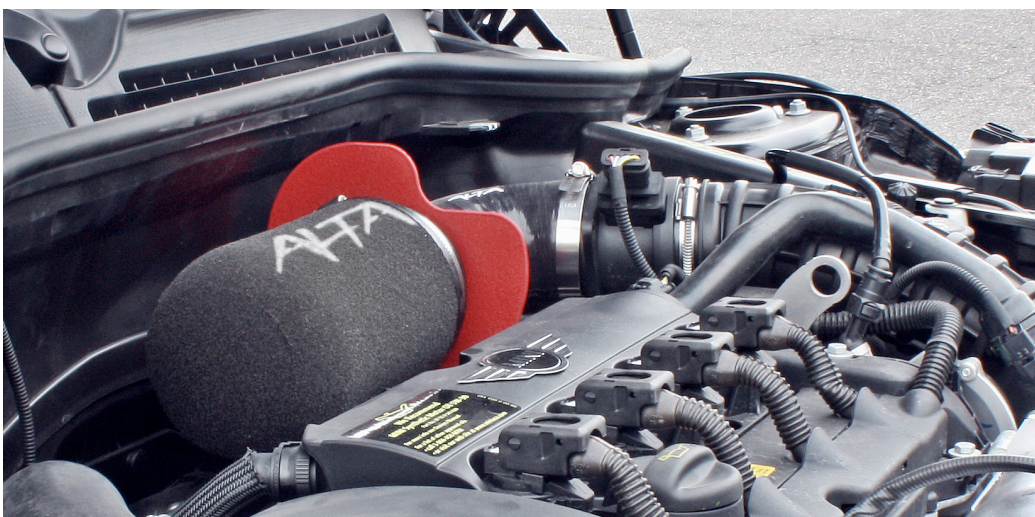
8. Install supplied silicone reducer coupler to ALTA intake shroud on lower smaller tube. Installed supplied size 36 clamp to this connection but leave loose at this time.
9. Install fresh air pipe into silicone reducer and install size 48 hose clamp. Adjust fresh air pipe and silicone reducer so they line up with air box as best possible, then tighten clamps. This tube isn't important to make air tight as this just directs air from front of car to filter area.



10. Install MAF housing back into turbo inlet hose and tighten hose clamp. **NOTE: Make sure to install housing in same direction it was removed. If unsure, arrow on side shows airflow and points toward front of car. Also line up MAF sensor so it fits in small notch in turbo inlet hose.**
11. Install supplied Silicone elbow (so ALTA logo is readable) to MAF sensor housing and to larger upper air box shroud tube. Install (2) size 48 hose clamps over elbow to secure hose to air box, and MAF housing. **NOTE: European spec cars will need to install supplied tube after MAF housing to correctly connect to the turbo inlet.**
12. Make any adjustments to align silicone elbow, silicone reducer, and shroud until all three parts line up. Tighten down clamps then proceed to tighten down M8 bolts securing shroud to intake manifold. These bolts tighten down onto the rubber mounts and do not have a stopping point. Simply tighten down until a decent amount of resistance is felt. The rubber will keep the hardware from falling out.



13. Install supplied ALTA filter to inside tube fitting on air box. Make sure to wipe out excess oil from inside of filter. Failure to do may cause filter to fall off of air box when you go to tighten it down. **NOTE: If filter wants to squeeze off shroud when clamp is tightened (with excess oil removed) loosen larger clamp securing sock to filter. We also recommend mopping up any extra oil around outside of filter.**
14. Re-connect MAF sensor plug and (-) battery terminal and start car.
15. If car starts and runs properly, continue to next step. If car runs poorly, check for vacuum leaks or MAF sensor being installed backwards.



16. We highly recommend that you modify or remove the OEM hood scoop plug to direct fresh air at your ALTA intake. You can skip this step if you have small holes in your hood scoop (most 08+ cars have this). If yours is blocked off, we feel this is a necessary step.
 - a. To remove scoop, locate small plug under hood, and remove to reveal screw. With screw removed, scoop is held in place with snaps, which are very tight! Pull straight up on scoop to remove. **NOTE: These are very tight and may take a lot of force.**
 - b. With scoop removed, remove black plastic scoop plug by removing screws holding it to scoop. Take great care not to damage paint during this process.
 - c. Decide whether to leave this off the car, or modify it by drilling out holes. If holes are being drilled, reinstall grill plug back to scoop.
17. Install scoop back onto hood, making sure to secure with both the snaps and screw removed earlier. It requires some force to get the snaps back into place.
18. Reinstall plug that covers screw securing scoop to hood to complete install.

Questions, Comments and Suggestions Contact: Tech@ALTAperformance.com
Visit Our Website for Instant Chat Options at <http://www.ALTAperformance.com>
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