

M7 Speed MAXX-FLO® Air Intake System
Part No. 56-3121XX
Fits all Gen 2 MINI R55S through R61S

Legal in ALL 50 States!



Foam Filter Shown



Pleated Filter Shown

M7 Speed engineers and manufactures the highest quality and best fitting Mini Cooper accessories and performance parts available anywhere on Planet Earth! Please inspect your parts when you receive them to verify everything is included and no damage has happened during shipment. Read these instructions completely BEFORE attempting to install this product. If you are not confident you can do the work described or do not have the tools or skills necessary please contact a local M7 dealer (listed on our website www.m7speed.com) or a local automotive accessory installation center to perform this work. We acknowledge not everything is perfect but we work very hard every day to improve our products and make installations easier. If you have any comments please contact M7 Customer Service directly at 704-663-0094. We encourage and welcome all criticism. Thank you.



**FOR YOUR SAFETY INSTALL THIS PRODUCT ONLY WHEN THE ENGINE IS COLD.
THIS WILL PROTECT YOU FROM INJURY AND DAMAGE TO YOUR ENGINE & COMPONENTS.**

Tools & Supplies Required:

- T-25 Torx
- T-27 Torx
- 1/8" hex wrench
- Flathead Screwdriver
- Phillips Screwdriver
- Foamy window cleaner or similar product
- MAF sensor cleaner (optional)

Estimated Install Time (Actual time may vary):
30-60 minutes

Parts Checklist

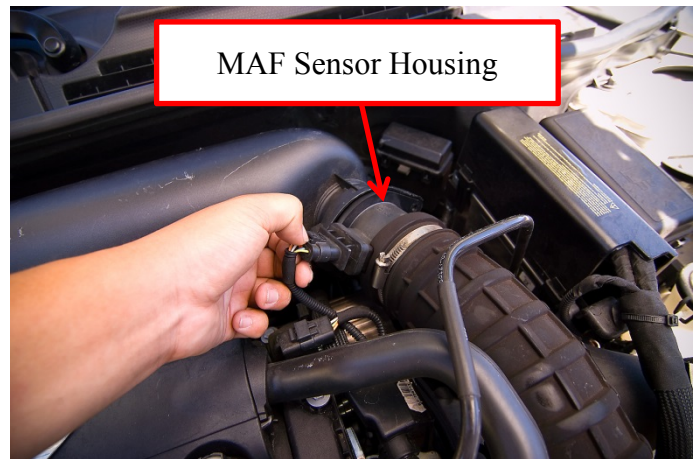
- 1 MAXX-FLO® Airbox
- 1 MAXX-FLO Hardware & Installation Kit #90-1051
- 1 Filter - Pre-oiled Pleated Cotton or Foam
- 1 Silicone Elbow RED | BLUE | BLACK | GREEN

REMOVAL OF THE FACTORY AIR BOX

1. Disconnect the battery.
2. Disconnect MAF sensor connection;
 - a. The MAF plug on the intake hose. Push down on the small tab on the harness side and gently pull the plug out. Do not pry or damage will occur.
3. Loosen the hose clamp connecting the MAF housing to the turbo inlet hose.
4. Remove the (2) T-27 screws connecting the MAF housing to the factory intake box.
5. Mark the MAF sensor so it is reinstalled in same flow direction.
6. Remove the MAF housing from the factory air box. Set the MAF housing aside in a safe place. The sensor is delicate.
7. Remove the (3) T-25 screws holding the factory intake box cover to the factory base.
8. Remove the air box cover and the factory air cleaner element.
9. Fully loosen (1) T-25 screw on the RS (passenger side) of the air box that connects the air box base to the engine.
10. Pull the air box base straight up to disconnect it from the engine. It will take some effort to disengage the base from the interference fit rubber grommets but do not pry on it. Human force is sufficient. Once the base is free, rotate it approximately 1/8 to 1/4 turn towards the rear of the car while at the same time pulling it apart from the factory fresh air hose. If the grommets come free from the intake manifold reinstall them now. They are need to mount the AGS-R2.



MAF Sensor Clamp



MAF Sensor Connector

11. Remove the factory fresh air intake hose from the front inlet attachment on the radiator support. With a flathead screwdriver, release the intake hose from the bezel in the front of the car (near the headlight). When the hose is disconnected, remove it from the car by twisting it counter-clockwise out of place. You will no longer need this hose. NOTE: It is recommended you keep all the factory parts to reinstall at a later date if needed.

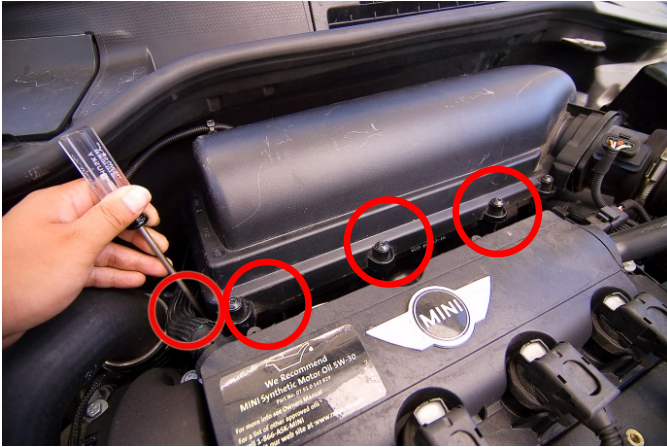


Figure 3” Remove Factory Airbox Cover



Figure 4: Removal of Fresh Air Hose

PREPARATION FOR INSTALLATION

1. (Optional) This is a good time to clean your MAF sensor using a specially formulated sensor cleaner you can buy at any local Autoparts store.

INSTALLATION

Mount the MAXX-FLO® to the factory intake manifold at the factory grommet locations.

1. Lubricate the 3 mounting legs on the bottom of the MAXX-FLO® housing with foaming window cleaner or a very light film of lubrication grease. Push the housing with mounting legs into the (3) rubber grommets in the polymer intake manifold and which located the factory air box base. The MAXX-FLO® will snap into place.
2. Install the silicone elbow and clamps supplied with your kit onto the air tube on the MAXX-FLO®. Do not tighten.
3. Install the MAF housing between the factory air inlet hose and silicone elbow. Verify it is installed in the proper air flow position. Locate the air flow direction arrow on the MAF sensor housing and be sure it is pointing towards the FRONT of the car. The sensor only works in one direction | air flowing from the MAXX-FLO® towards the turbo.
4. Align everything in the air tract to eliminate any stresses or twists. Trimming of the silicone elbow may be required on some applications to get the best alignment. If necessary you can trim the silicone elbow using masking tape as a guide and a hack saw or sharp razor knife to cut it. If you

cut the elbow thoroughly clean the inside to remove any leftover particles and dirt. Once you are satisfied with the alignment, tighten the (2) hose clamps.

5. Plug in the MAF sensor electrical connector.
6. Install the supplied air filter. Follow the direction on the filter bag. It is very important to thoroughly clean the inside of the filter cuff of all oil. It must be absolutely oil free before it is attached to the adapter tube.
7. **Safety check** | Check that all hardware & clamps are tight, all electrical connections are plugged in and all hoses and necessary parts are installed properly. Verify no strain on any electrical wires.
8. Reconnect battery.
9. **OPTIONAL:** Remove the blocker plate from your scoop if it is still installed. This allows fresh air to enter the engine compartment flushing away heat and supplying air to the intake.

NOTE: The M7 Vortex 2 (M7 part # 56-4M7202 or 56-4M7203) Scoop is designed to work with this intake system and provides maximum fresh air flow to your engine.



State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-766

Relating to Exemptions Under Section 27156
of the California Vehicle Code

M7 Speed
Air Intake Kits

Pursuant to the authority vested in the Air Resources Board by Section 27156 of the Vehicle Code; and

Pursuant to the authority vested in the undersigned by Section 39515 and Section 39516 of the Health and Safety Code and Executive Order G-14-012;

IT IS ORDERED AND RESOLVED: That the installation of the Air Intake Kits, manufactured and marketed by M7 Speed, 149 Byers Creek Road, Unit 103, Mooresville, North Carolina 28117, has been found not to reduce the effectiveness of the applicable vehicle pollution control systems and, therefore, is exempt from the prohibitions of Section 27156 of the Vehicle Code for 2002 to 2013 model year Mini Cooper vehicles equipped with a 1.6L gasoline supercharged or turbocharged engine.

PN	Description	Year Models
53-3M7301	M7 R53 "Exact-Fit Certified" Cold Air Intake	2002-2008
56-312101	Maxx-Flo Intake System, Aluminum Housing	2007-2013
56-312201	Maxx-Flo Intake System, Stainless Steel Housing	2007-2013
56-311701	AGS-R2, Fiberglass Housing	2007-2013
56-311801	AGS-R2, Carbon Fiber Housing	2007-2013

The Air Intake Kits include the following parts which are installed before the mass air flow sensor. The mass air flow sensor is retained in a stock location with stock air intake tubing retained between the mass air flow sensor and the throttle body: The M7 R53 "Exact-Fit Certified" Cold Air Intake is designed to replace the stock air box lid only, the stock air filter element and air box bottom is retained, the AGS-R2 with either a fiberglass or carbon fiber housing is designed to remove the stock air box located near the firewall with a new air box and conical air filter element that captures the air with an air ram on top of the engine, the Maxx-Flo Intake System with either an aluminum or a stainless steel housing is designed to remove the stock air box located near the firewall with a new conical open element air filter. **Installation of the Air Intake System requires the removal of the stock air filter housing and all intake air tubing. If the stock air filter housing contains the vehicle's tune-up & emissions control decal, a replacement decal must be placed in a similar location.**

This Executive Order is valid provided that the installation instructions for the Air Intake Kits will not recommend tuning the vehicle to specifications different from those of M7 Speed.

Changes made to the design or operating conditions of the Air Intake Kits, as exempt by the Air Resources Board, which adversely affect the performance of the vehicle's pollution control system shall invalidate this Executive Order.

This exemption is issued based on submitted emissions test data, from the SEMA Garage, Diamond Bar, California, on a 2013 model year Mini Cooper 1.6L, certified to the LEV II ULEV emission standards and tested using the Cold-Start CVS-75 Federal Test Procedure (FTP) test cycle and the Supplemental Federal Test Procedure (SFTP US06) test cycle.

	CVS-75 FTP			
	NMOG	CO	NOx	HCHO
Standards, UL	0.055	2.1	0.07	0.011
Device Test w/df, 2 test avg.	0.032	0.4	0.03	0.001

	US06	
	NMHC+NOx	CO
Standards 4k	0.14	8.0
Device	0.03	2.1

Test results showed that the worst case air intake kit (Maxx-Flo Intake System) installed on the vehicle did not cause exhaust emissions to exceed the applicable emission standards during the FTP and SFTP. This Executive Order is also based on the On-Board Diagnostic II (OBD II) testing conducted on the same test vehicle. The Maxx-Flo Intake System when installed on the test vehicle did not affect the vehicle's ability to perform its OBD II monitoring.

The Air Resources Board reserves the right in the future to review this Executive Order and the exemption provided herein to assure that the exempted add-on or modified part continues to meet the standards and procedures of Title 13, California Code of Regulations, Section 2222, et seq.

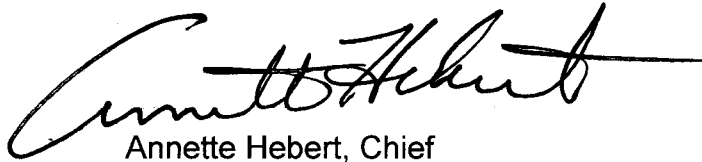
THIS EXECUTIVE ORDER DOES NOT CONSTITUTE A CERTIFICATION, ACCREDITATION, APPROVAL, OR ANY OTHER TYPE OF ENDORSEMENT BY THE AIR RESOURCES BOARD OF ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF THE AIR INTAKE KITS.

No claim of any kind, such as "Approved by the Air Resources Board", may be made with respect to the action taken herein in any advertising or other oral or written communication.

3.

Violation of any of the above conditions shall be grounds for revocation of this order. The order may be revoked only after a ten-day written notice of intention to revoke the order, in which period the holder of the order may request in writing a hearing to contest the proposed revocation. If a hearing is requested, it shall be held within ten days of receipt of the request and the order may not be revoked until a determination is made after the hearing that grounds for revocation exist.

Executed at El Monte, California, this 14 day of April 2016.

A handwritten signature in black ink, appearing to read "Annette Hebert", with a long horizontal flourish extending to the right.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division