



HI-FLOW INDUCTIONS KIT* – NM.658856.1 / B.1 / C.1

[R55] MINI Cooper S Clubman 2008-10
 [R56] MINI Cooper S Hardtop 2007-10
 [R57] MINI Cooper S Convertible 2009-10

*For vehicles without Mass Airflow Sensor

PARTS INCLUDED:

- | | | | |
|--|------------------------------------|--|-------------------------------|
| [1] Stainless Steel Intake Pipe Bracket | [1] Adapter Pipe | [1] Stainless Steel Fresh Air Hose Bracket | [1] Silicone Turbo Inlet Hose |
| [1] Aluminum or Carbon Fiber Intake Pipe | [1] Air Filter | [3] #44 Hose Clamps | [1] #28 Hose Clamp |
| [1] 2.75" Silicone Coupler | [2] SS Button Head Bolts M6 x 16mm | [1] SS Button Head Bolt M6 x 10mm | [2] M6 Lock Nuts |
| [2] M8 Lock Nuts | [2] M8 Washers | | |

TOOLS & SUPPLIES REQUIRED:

- | | | | |
|---------------------------|------------------------|------------------------|----------------------------------|
| [1] T25 TORX Driver | [1] 7mm Nut Driver | [1] Screwdriver | [1] 10mm Socket or Wrench |
| [1] 13mm Socket or Wrench | [1] 4mm Hex Key Wrench | [1] Needle Nose Pliers | [1] Degreaser or Contact Cleaner |
| [1] Clean Shop Rag | | | |



1. Pull out valve cover breather hose from OE turbo inlet hose.



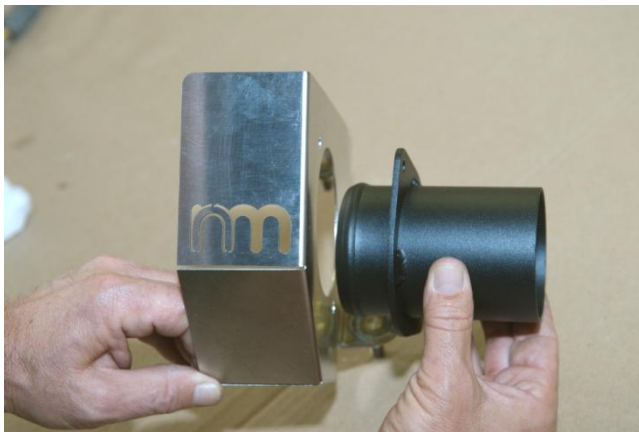
5. Locate fresh air pipe that is attached to air filter box. Disconnect fresh air pipe by rotating the 90° connection counter clockwise and pulling pipe away from air filter box. Remove air filter box from vehicle.



7. Using degreaser or contact cleaner and shop rag, clean inner mounting flange of NM filter. Install and tighten filter onto adapter pipe. Position NM logo on end of filter for proper reading orientation.



2. Remove OE turbo inlet hose: Use screwdriver to loosen clamp at turbo inlet and at air filter box.



6. Install adapter pipe to NM stainless steel intake pipe bracket using supplied M6 x 16mm button head bolts and M6 nuts. [4mm hex key wrench / 10mm socket or wrench]



8. Install NM filter assembly unit onto factory air filter box mounts. **NOTE:** Make sure rubber grommets are still in place and not attached to bottom of the OE air filter box. From bottom side of mounts, install and tighten using supplied M8 washers and M8 lock nuts. [13mm socket or wrench]



3. Separate brake booster line holder from fresh air intake hose. Use needle nose pliers to squeeze tabs and then push out holder.



4. Remove T25 TORX screw located on left side of air filter box and lift off. **NOTE:** There are [3] pin mounts that are pushed into rubber grommet mounts on intake manifold, so effort may be required to lift air filter box off of mounts.



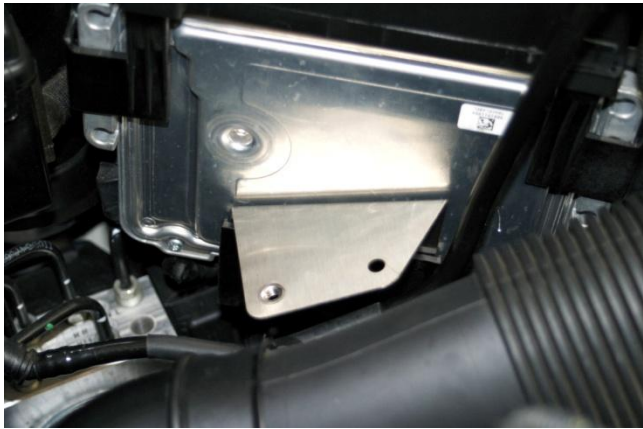
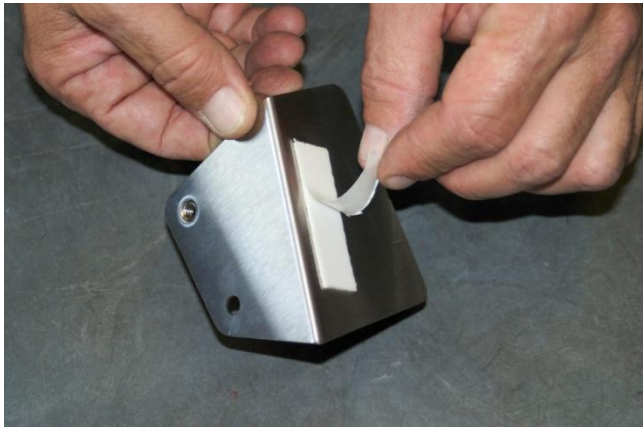
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8. Install NM filter assembly unit onto factory air filter box mounts. **NOTE:** Make sure rubber grommets are still in place and not attached to bottom of the OE air filter box. From bottom side of mounts, install and tighten using supplied M8 washers and M8 lock nuts. [13mm socket or wrench]



9. Remove protective film from double-sided tape on stainless steel fresh air hose bracket. Slide bracket down between ECU and black plastic ECU mount, while keeping double stick tape from touching. With bracket pushed all the way down, press against ECU.



10. Attach brake booster line holder to forward mounting hole in bracket. Secure fresh air pipe to rearward mounting hole using supplied M6 x 10mm button head bolt. [4mm hex key wrench]



11. Install and tighten silicone coupler halfway onto adapter pipe using supplied #44 hose clamp.



12. Loosely install silicone turbo inlet hose onto turbo using supplied #28 hose clamp. **NOTE:** Do NOT tighten at this time.



13. Loosely install supplied #44 clamps onto both silicone hose ends, then install aluminum intake pipe into silicone turbo inlet hose **first** and then into adapter pipe hose. Adjust as necessary for clearance, paying close attention to clearance of silicone turbo inlet hose and coolant reservoir bottle. Tighten all clamps, use caution **NOT** to over tighten on Carbon Fiber Pipe if being used. **NOTE:** Do not forget to tighten #28 hose clamp from Step 12.



14. Install valve cover breather into silicone turbo inlet hose.



15. Double check complete installation. Test drive and double check all connections.

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