



HI-FLOW INDUCTIONS KIT* – NM.658857/ NM.658857.1

[R55] MINI Cooper S & JCW Clubman 2011-up
[R56] MINI Cooper S & JCW Hardtop 2011-up
[R57] MINI Cooper S & JCW Convertible 2011-up
[R60] MINI Countryman 2011-up

PARTS INCLUDED:

- | | | | |
|---|--|-----------------------|------------------|
| [1] Stainless steel intake pipe bracket | [1] Stainless steel fresh air hose bracket | [1] 90° Silicone hose | [2] M8 Washers |
| [1] Aluminum intake pipe connector | [1] Air filter | [2] #44 Hose clamps | [2] M8 Lock nuts |
| [2] SS Button head bolts M6 x 16mm | [1] SS Button head bolt M6 x 10mm | [2] M6 Lock nuts | |

TOOLS & SUPPLIES REQUIRED:

- | | | | |
|----------------------------------|---------------------------|------------------------|------------------------|
| [1] T25 TORX Driver | [1] T30 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] 8mm Nut Driver | |



1. Loosen hose clamp at Mass Air Flow sensor (MAF) to turbo intake tube using 7mm nut driver or screwdriver.



2. Squeeze tab on electrical connector to disconnect from MAF.



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 passenger 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.



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.



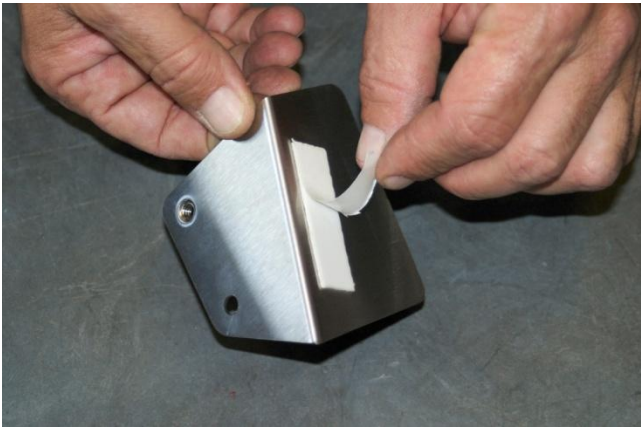
6. Remove MAF sensor from air filter box by removing [2] T30 TORX screws.



7. Install MAF sensor 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]



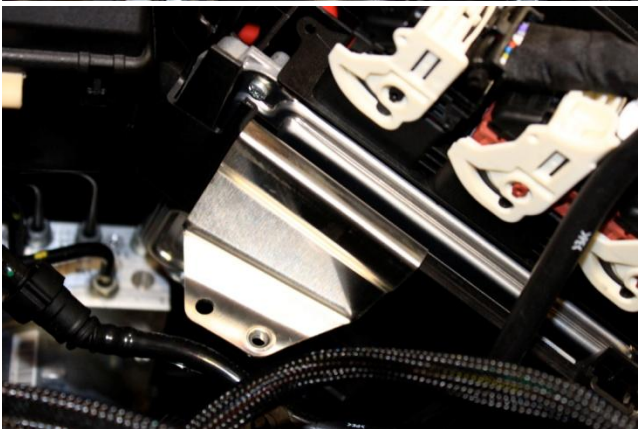
8. Install NM SS bracket onto factory air filter box mounts. **NOTE:** Make sure rubber grommets are still in place and not attached to bottom of the OE air filter box. From bottom side of mounts, install and tighten using supplied M8 washers and M8 lock nuts. [13mm wrench]



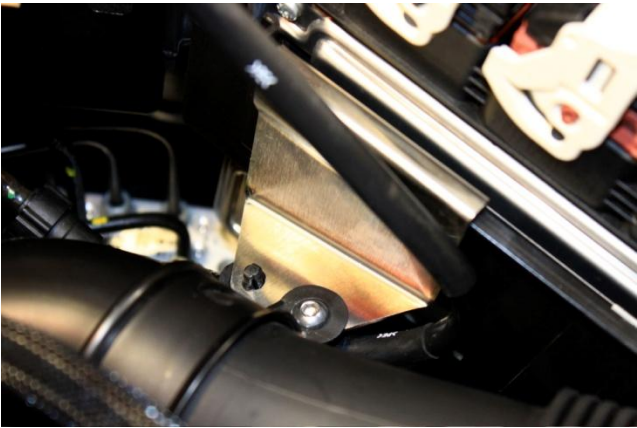
9. **2011-3/2012 EARLY N18** Remove protective film from double-sided tape on stainless steel fresh air hose bracket. Slide bracket down between ECU and black plastic ECU mount, while keeping double stick tape from touching. With bracket pushed all the way down, press against ECU.



10. **2011-3/2012 EARLY N18** 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]



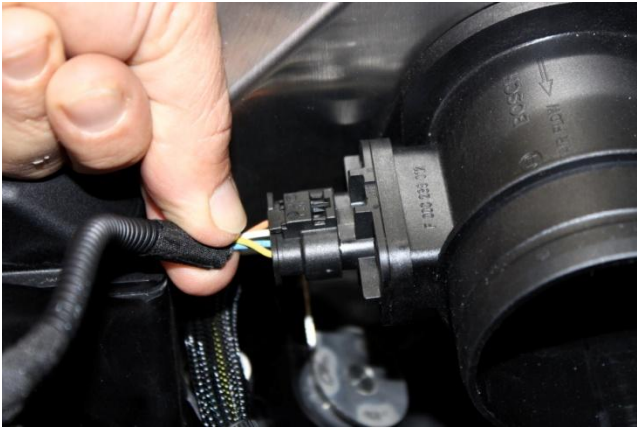
11. **3/2012-UP N18** ECU cover removal: Remove 10mm hex bolt then push inward on tabs to remove cover. Remove protective film from double-sided tape on stainless steel intake duct support bracket. Hook bracket on top edge of black plastic case for ECU, positioning at rear corner.



12. **3/2012-UP N18** Attach brake booster line holder to rearward mounting hole in bracket. Secure fresh air pipe to forward mounting hole using supplied M6 x 10mm button head bolt. [4mm hex key wrench]



13. Slide MAF wire harness rearward where it attaches with wire tie at turbo intake tube.



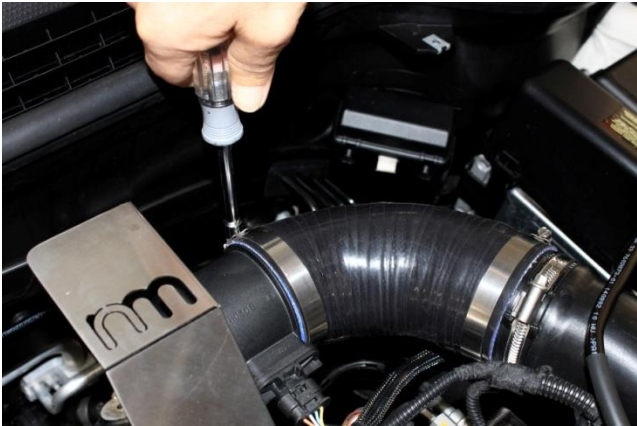
14. Reconnect MAF sensor electrical connector.



15. Install and fully seat NM connection pipe (non-beaded end) into turbo intake tube then tighten using 7mm nut driver or screwdriver.



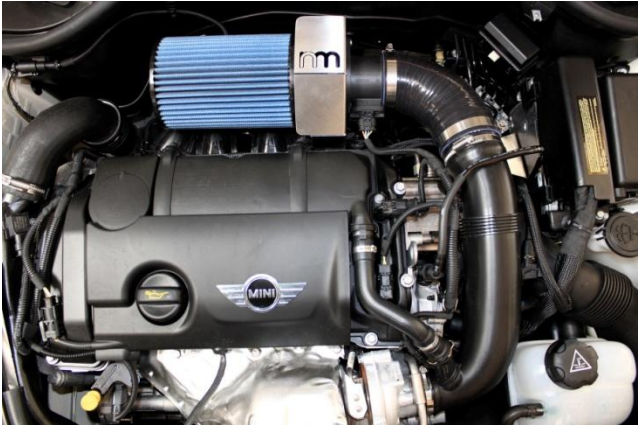
16. Loosely install supplied #44 SS hose clamps onto NM silicone hose. With NM logo on silicone hose facing firewall install onto NM connector first then onto MAF sensor.



17. Tighten SS hose clamps using 8mm nut driver or screwdriver.



18. Using degreaser or contact cleaner and shop rag, clean inner mounting flange of NM filter. Install NM filter onto MAF sensor and tighten with long skinny screwdriver thru logo cut-out or from back side of bracket.



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

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