



AIR CHARGE PIPE – NM.488855

[R55] MINI Cooper S Clubman & JCW

[R56] MINI Cooper S Hardtop & JCW

[R57] MINI Cooper S Convertible & JCW

PARTS INCLUDED:

- | | | |
|--------------------------|------------------------|-------------------|
| [1] 90° Silicone Hose | [1] SAE #40 Hose Clamp | [1] Aluminum Pipe |
| [1] Curved Silicone Hose | [3] SAE #44 Hose Clamp | |

TOOLS & SUPPLIES REQUIRED:

- | | | | |
|---------------------|-------------------------|------------------------------|----------------|
| [1] T25 TORX Driver | [1] 7mm Nut Driver | [1] 8mm Nut Driver or Socket | [1] 7mm Wrench |
| [1] Screwdriver | [1] Philips Screwdriver | [1] Ratchet | |



1. Remove OE turbo inlet hose from MAF (mass air flow) sensor. Use screwdriver or 7mm Nut Driver to loosen clamp.



2. Disconnect electrical connector from MAF (if equipped).



3. 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.



4. 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.



5. If you have NM Hi-Flow Induction Kit just remove filter.



6. Located on back side of intake manifold, remove the Philips screw that retains the sound amplifier.



7. Undo hose clamp and remove sound amplifier hose from air charge pipe using a 7mm wrench.



8. Disconnect sound amplifier ducting from firewall by squeezing and pulling down.



9. Now remove sound amplifier assembly.



10. Loosen hose clamp and disconnect upper air charge hose.



11. Loosen hose clamp and disconnect lower air charge hose from throttle body.



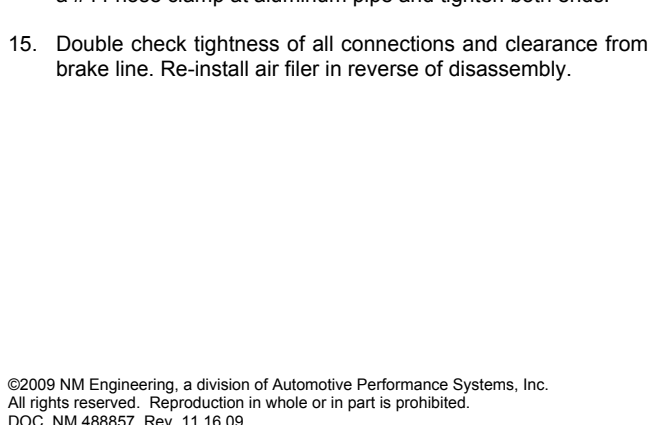
12. Attach and tighten NM 90° hose with #44 hose clamp supplied. **NOTE: Keep ample clearance from firewall and brake line.**



13. Install aluminum pipe with #44 hose clamp and tighten.



14. Install upper silicone air charge hose with #40 hose clamp and a #44 hose clamp at aluminum pipe and tighten both ends.



15. Double check tightness of all connections and clearance from brake line. Re-install air filter in reverse of disassembly.

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