



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] Curved Silicone Hose

[1] SAE #40 Hose Clamp
[3] SAE #44 Hose Clamp

[1] Aluminum Pipe

TOOLS & SUPPLIES REQUIRED:

[1] T25 TORX Driver
[1] Screwdriver

[1] 7mm Nut Driver
[1] Philips Screwdriver

[1] 8mm Nut Driver or Socket
[1] Ratchet

[1] 7mm Wrench



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



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



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



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



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



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



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.



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



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



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.



9. Now remove sound amplifier assembly.



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



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



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

©2009 NM Engineering, a division of Automotive Performance Systems, Inc. All rights reserved. Reproduction in whole or in part is prohibited. DOC. NM.488857 Rev. 11.16.09