

## Mini Cooper S F56 Full Intake Kit

### Contents

| Description           |   |
|-----------------------|---|
| Airbox Lid            | 1 |
| Rectangular MAF Boss  | 1 |
| Oval MAF Boss         | 1 |
| O-Ring                | 1 |
| Silicone Hose         | 1 |
| Backpipe              | 1 |
| 70-90mm Jubilee Clamp | 2 |
| M4 x 10mm Caphead     | 2 |
| M4 Spring Washer      | 2 |
| Airbox Lid Stand-off  | 3 |
| M3 x 10mm Caphead     | 2 |
| PP1931PLUS Air Filter | 1 |
| M6 Rubber Washer      | 1 |
| Self Tap Screw        | 3 |

### Recommended Tools

| Tools                      | Size                  |
|----------------------------|-----------------------|
| Torx Bit/ Torx Screwdriver | T20, T25, T27 & T30   |
| Allen Key                  | 2.5mm & 3mm           |
| Socket                     | 7mm, 8mm, 10mm & 16mm |
| Flathead Screwdriver       | 1                     |



Before starting, please ensure that the battery is disconnected and the engine is cool. Engine temperatures can remain high for a substantial amount of time after use.



## Mini Cooper S F56 Full Intake Kit

- 1 Pull up on the engine cover to remove.



- 2 Undo 3 x Airbox lid screws using T25 (A) & undo the jubilee clamp connecting to the airbox (7mm Socket) (B). Lift off rubber from the airbox tab (C) & remove airbox lid.



- 3 Remove wiper blade caps & undo both 16mm nuts. Pull up and wiggle each blade to remove.



- 4 Undo the 9 quarter turn fasteners along the scuttle as pictured



- 5 Undo the 3 10mm nuts (2 on the right and one on the left of the scuttle) & remove the rubber trim along the scuttle



- 6 Remove the battery cover by removing the 3 x 8mm screws



- 7 Remove the three sections of the scuttle



- 8 Lift off the rear scuttle section



- 9 Undo the 3 T30 screws along the heatshield, the screws should stay in the heatshield but if they've been removed previously, they may fall out, use a magnet on the screws to avoid dropping.



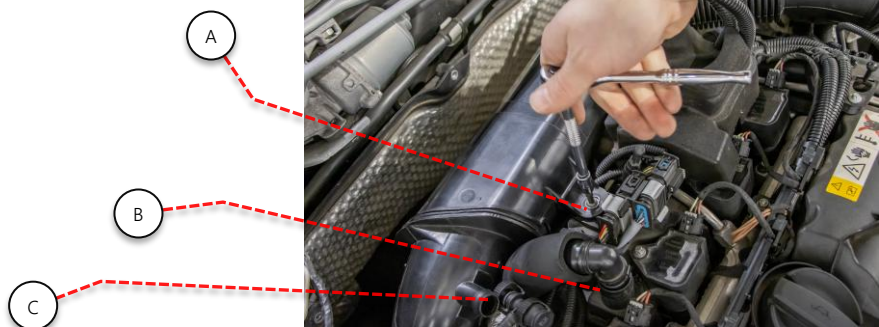
- 10 Unclip the trim along the top of the heatshield, move the cables to one side & remove upper section of the heatshield.



- 11 Using a long screwdriver, unclip the cable retainer from the backpipe.



- 12 Undo the screw on the top of the backpipe using a T30 socket (A). Unplug the breather connectors (B) (C)



- 13 Using a long screwdriver, unclip the retaining clip from the bottom of the back pipe. Once unclipped, pull up on the backpipe to remove.



- 14 Unscrew the two screws retaining the MAF sensor on the airbox.



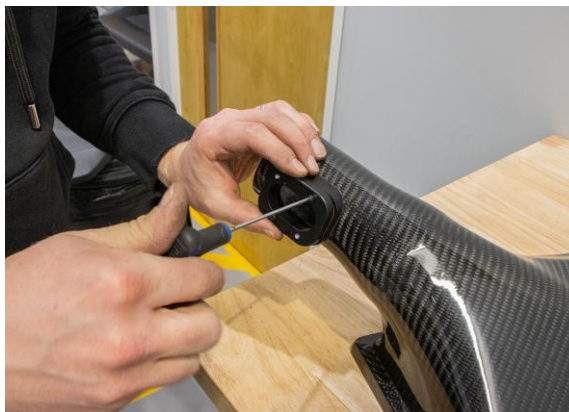
- 15 Remove the retaining clip from the backpipe and install on to the new backpipe.



- 16 Remove the breather hose using a flat bladed screwdriver to push in the clips.



- 17 Install the O-ring to the airbox MAF adapter. Install the correct MAF boss adapter on to the carbon lid. (Either rectangular or oval) Use supplied M3 screws.



- 18 Install the MAF sensor removed in step 2. Note the orientation, the arrow on the sensor should be pointing away from the lid. Use supplied M4 screws & washers. The MAF adapter may need rotating 180° if the orientation is incorrect.



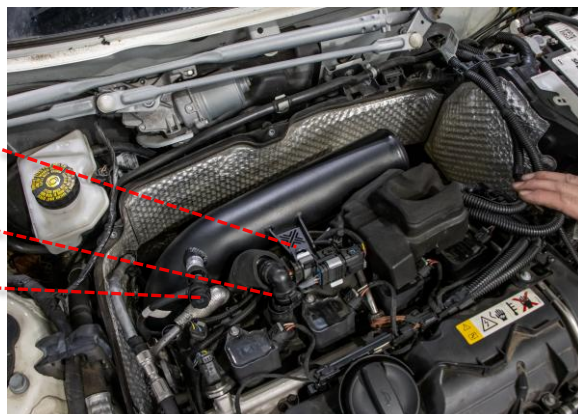
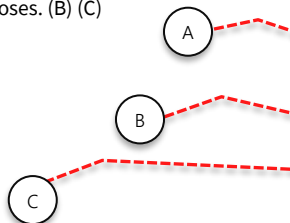
- 19 Install the retaining clip on the new back-pipe. Install the breather hose in the same orientation it was removed from the OE pipe.



- 20 Install the back-pipe. The retaining clip needs to be pulled out slightly to allow the pipe to fit over the turbo inlet. Once in place, push the clip inwards & ensure it is securely in place.



- 21 Fix the back-pipe in place using original screw and supplied rubber washer (A). Reconnect both breather hoses. (B) (C)



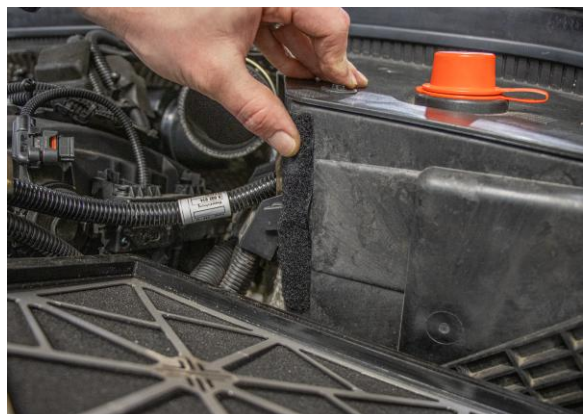
- 22 Connect the silicone hose to the end of the back-pipe using supplied jubilee clamp. Do not tighten yet as the hose may need to be rotated in a later step. Make sure the clamp is facing towards you to make it easier to tighten later.



- 23 Install Pipercross PLUS filter.



- 24 Install Velcro strip to the corner of the battery box as pictured.



- 25 Place jubilee clamp over the open end of the silicone hose and install carbon airbox lid. Rotate the silicone hose as needed.



- 26 Check the lengths of the 3 supplied stand-offs, one is longer & should be used with the supplied bracket.



- 27 Place the longer stand-off through the bracket hole and install through the left hand airbox hole. Use one of the supplied self tap screws to fix in place.



- 28 Fix the air box lid in place using the 2 x stand-offs and screws.



- 29 Push the rubber cable retainer over the bracket to secure in place.



- 30 Reconnect the MAF sensor & ensure all fixings & jubilee clamps are tightened. Be careful to not overtighten to avoid damage.



- 30 Reinstall the upper heatshield, scuttle trays, wiper blades, bonnet seal & engine cover in the reverse order of removal.

