



## **INSTALLATION GUIDE**

**CTS TURBO INTAKE  
R56 MINI COOPER S/JCW  
CTS-IT-165**



**20630 Mufford Crescent, Unit #309  
Langley, British Columbia V2Y 2V9**

**[www.CTSTURBO.com](http://www.CTSTURBO.com)**

**WHAT IS INCLUDED**

- 1. CTS Intake
- 2. Clamps
- 3. Silicone Coupler
- 4. MAF Housing delete (Euro-spec cars)
- 5. PCV adapter Y pipe (N18 only)



**TOOLS REQUIRED**

- 1. Basic mechanic toolkit: torx bits, etc
- 2. Side cutters
- 3. Electrical tape, for N18 engines

**For N18 engines ONLY:** Disconnect the PCV hoses from turbo inlet pipe, unclip the PCV heater wire harness. Cut off the metal hose clamp, remove the plastic quick connect fittings from hoses. Install the PCV adapter "Y" pipe provided with kit and attach the PCV hoses. The factory harness must have resistors installed (and covered with electrical tape) to avoid the P053A code. We include the resistors but for a more elegant plug-and-play solution, please purchase a Neuspeed part NM.658800.

Vehicle used in this guide is a 2012 Mini Cooper JCW, **N16 engine**. Always make sure the car is safe to work on. Do not work on a hot motor. We do not accept any liability for incorrect installation or damage during the install.

**STEP 1**

First unclip the crankcase breather sensor



**STEP 2**

At the crankcase breather cut the ty-  
rap and disconnect from the stock inlet



**STEP 3**

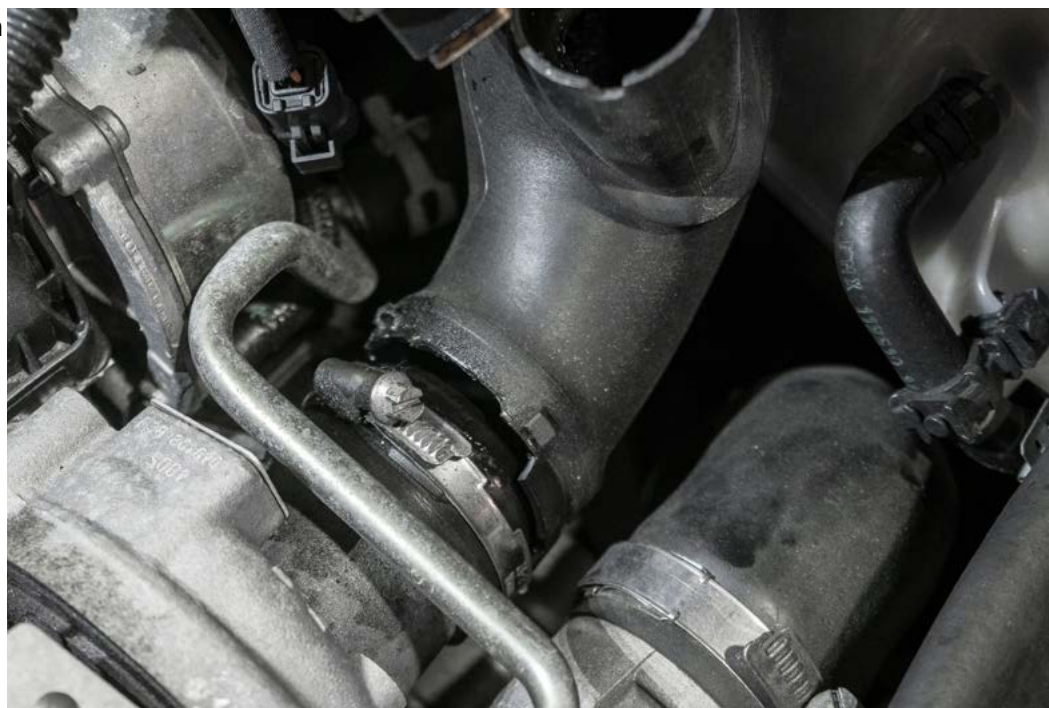
Unclip the MAF sensor

Then loosen the clamp to remove from MAF housing

**STEP 4**

Loosen the clamp on the turbo side and remove.

\* Note:  
Depending on the age of the pipe they do tend to break.

**STEP 5**

Next remove T25 screws from stock intake box



**STEP 6**

Remove MAF from stock air-box with T25 and install onto the CTS heat shield with provided screws

**STEP 7**

Connect CTS filter to MAF housing and assemble the heatshield

**STEP 8**

Install with 2 of the original T25 screws

**STEP 9**

On the end of the breather you will need to remove the stock rubber seal



**STEP 10**

Install the silicone couplers, intake pipe and hose clamps.

Reconnect the MAF and crankcase breather sensors,

**YOU ARE DONE!**

