

# MASATA

## Installation Guide

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**Aluminium Chargepipe with HKS BOV Blow Off Valve**

**BMW N54 E82 E88 E90 E91 E92 E93**

**(1M, 135i & 335i)**

**MST0117**

This document is to be used as a guide only. Owners should take full responsibility and risk when undertaking work on their vehicle however a trained professional is strongly recommended.



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## STEP 1



Remove Air Scoops - Unscrew 2 x T20 Screws (Red) /  
Undo 2 x Clips (Green)

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## STEP 2

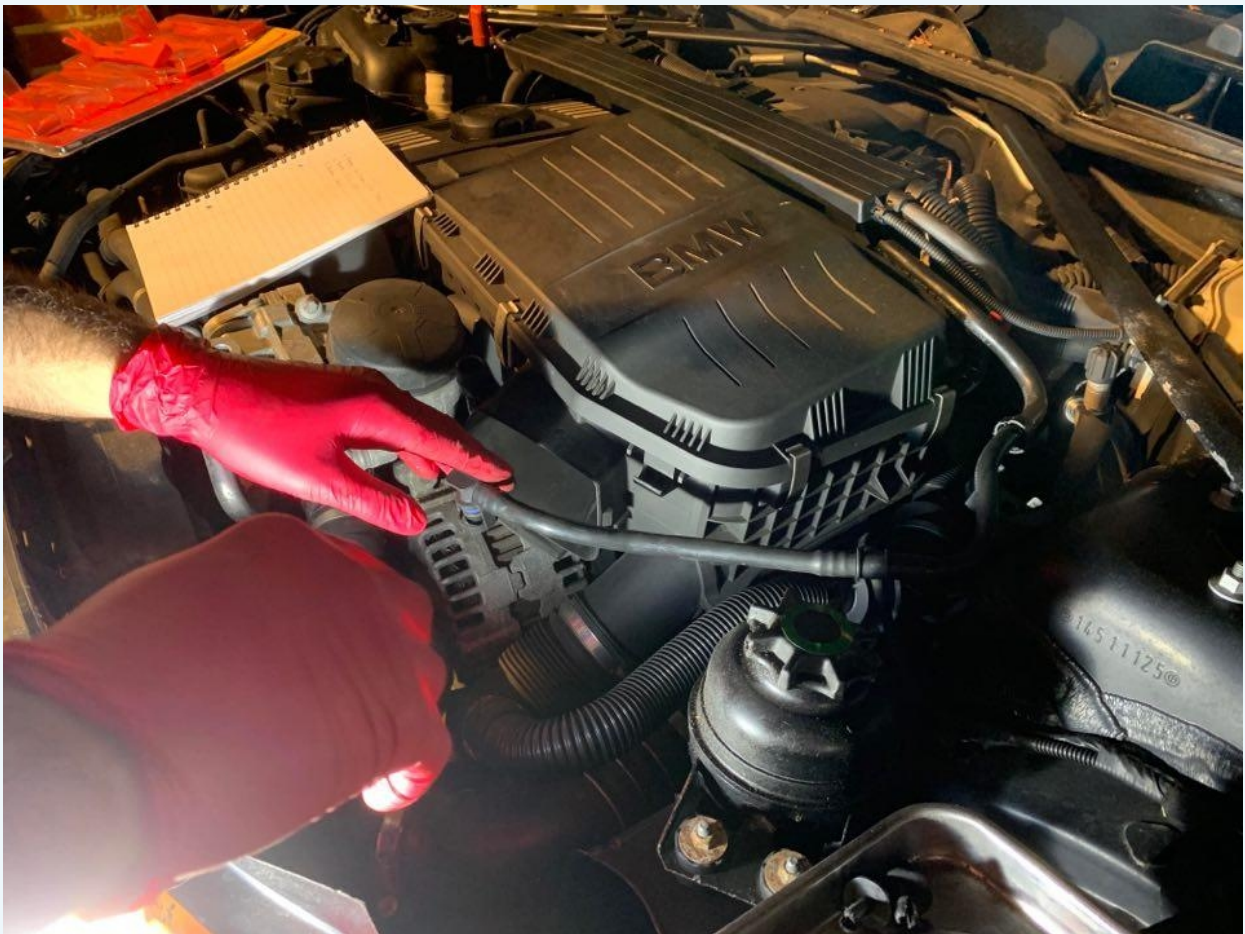


Remove Cowls(Green) and 2 x Lids (Red) - Unplug two bonnet sensor either side



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## STEP 3



Disconnect Brake Booster Pipe (Careful not to break it)



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## STEP 4



Loosen front  
clamps connected  
to the airbox

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## STEP 5



Loosen rear  
clamp connected  
to the airbox

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## STEP 6



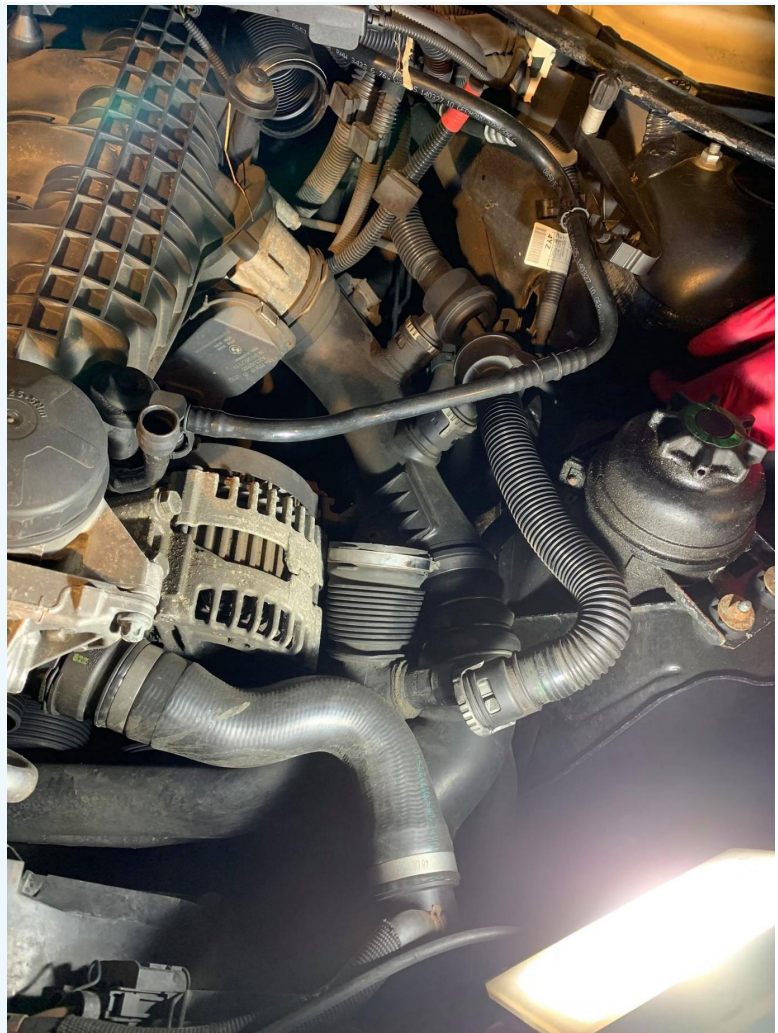
Wiggle and remove  
Airbox.



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## STEP 7

Disconnect  
Diverter Valves



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## STEP 8

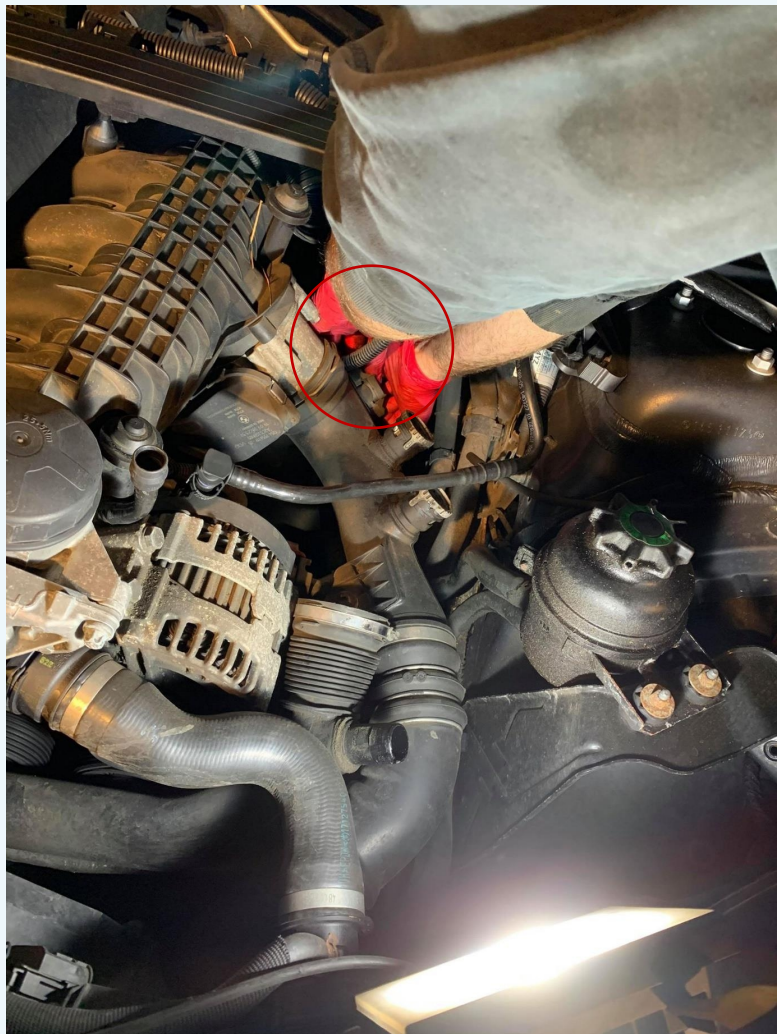
Remove  
Diverter Valves



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## STEP 9

Disconnect TMAP  
Sensor





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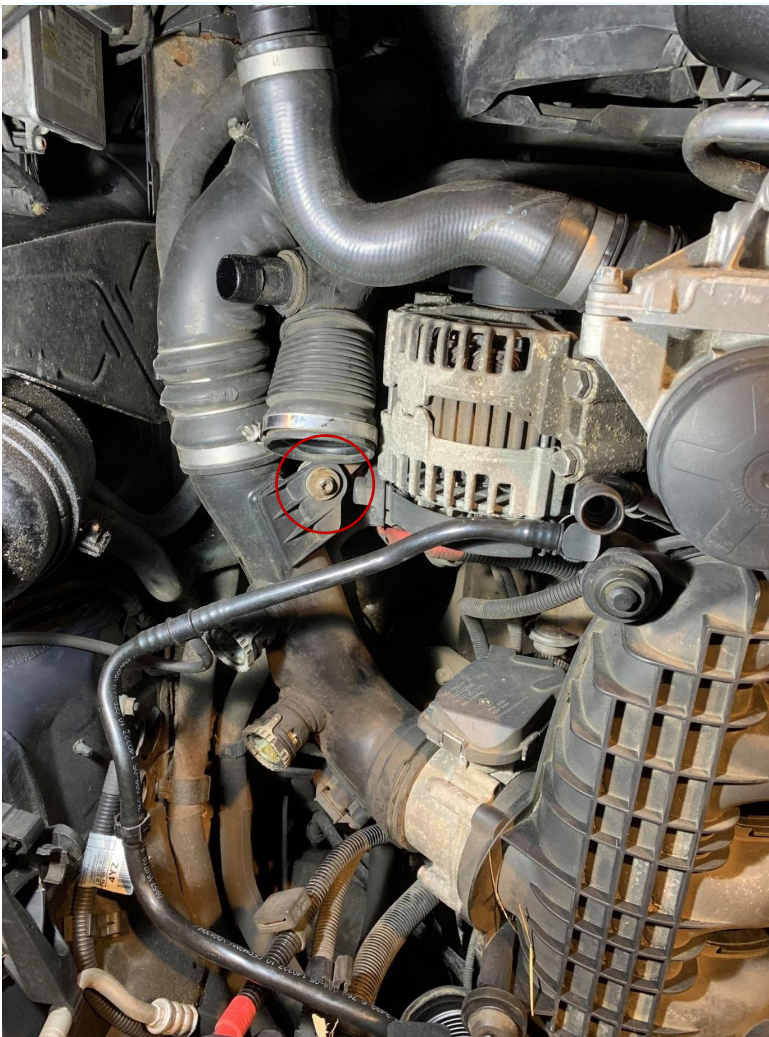
## STEP 10

Unclip Chargepipe  
C-Clip



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## STEP 11



Unscrew  
Chargepipe Bracket  
(T30 Screw)



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## STEP 12



Remove OEM Chargepipe (OEM vs Masata Chargepipe with HKS Flange & HKS BOV)



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## STEP 13



Install HKS O-Ring (You may need to stretch the O-Ring so it seats correctly into the groove)

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## STEP 14



Install HKS BOV and secure it with C-Clip with a C-Clip Too. Transfer Chargepipe O-Ring from OEM Chargepipe to the Masata Chargepipe (Ensure it is seated in the Groove properly)



## STEP 15



Transfer TMAP Sensor from OEM Chargepipe to the Masata Chargepipe, using the 2 x 2.5mm screws provided in the kit to secure it onto the sensor housing



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## STEP 16

Install silicone hose provided onto the Masata Chargepipe (Seat the jubilee clip in the correct position, not on the groove, so it doesn't slide off under load), do not tighten fully as you will want to adjust it when installing



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## STEP 17

Clean the OEM lower Chargepipe (Red) where the silicone hose secures onto, you need to ensure it is oil free before installing the silicone hose to avoid it popping off under boost.



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## STEP 18

Install Masata Chargepipe on both ends, once seated in the correct position, tighten both clamps on the silicone hose and install the C-Clip

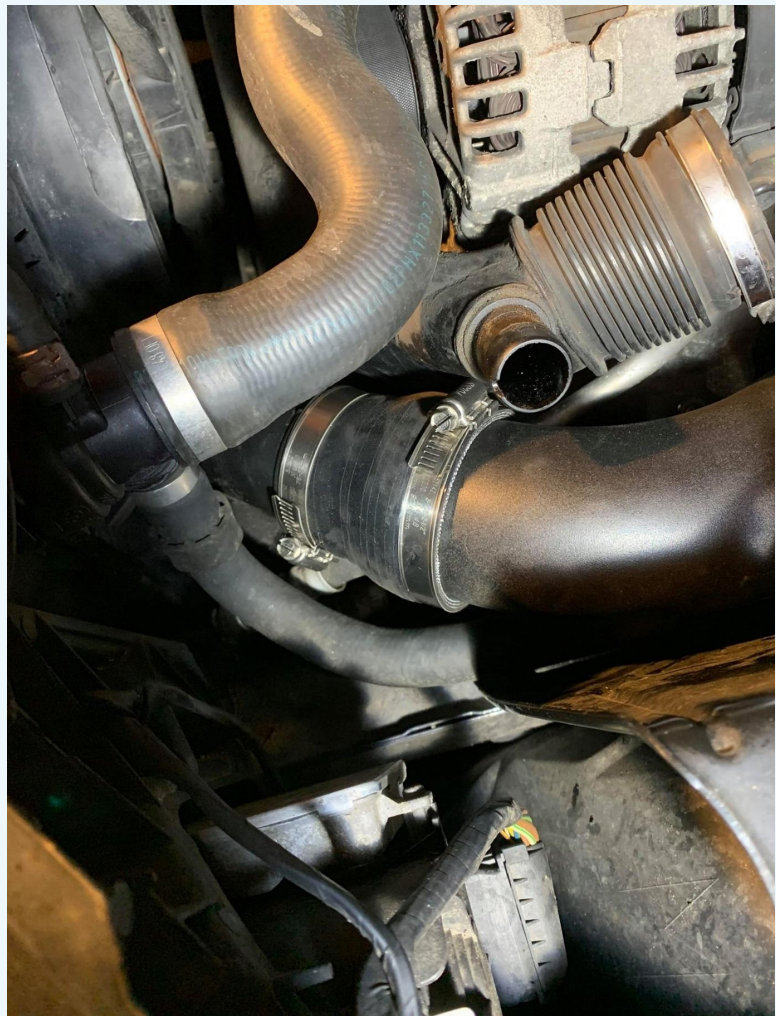




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## STEP 19

Adjust and tighten  
silicone hose



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## STEP 20



Install OEM  
Chargepipe C-Clip

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## STEP 21



Connect TMAP  
Sensor.

Connect Vacuum  
Lines to HKS BOV  
with HKS fitting  
provided



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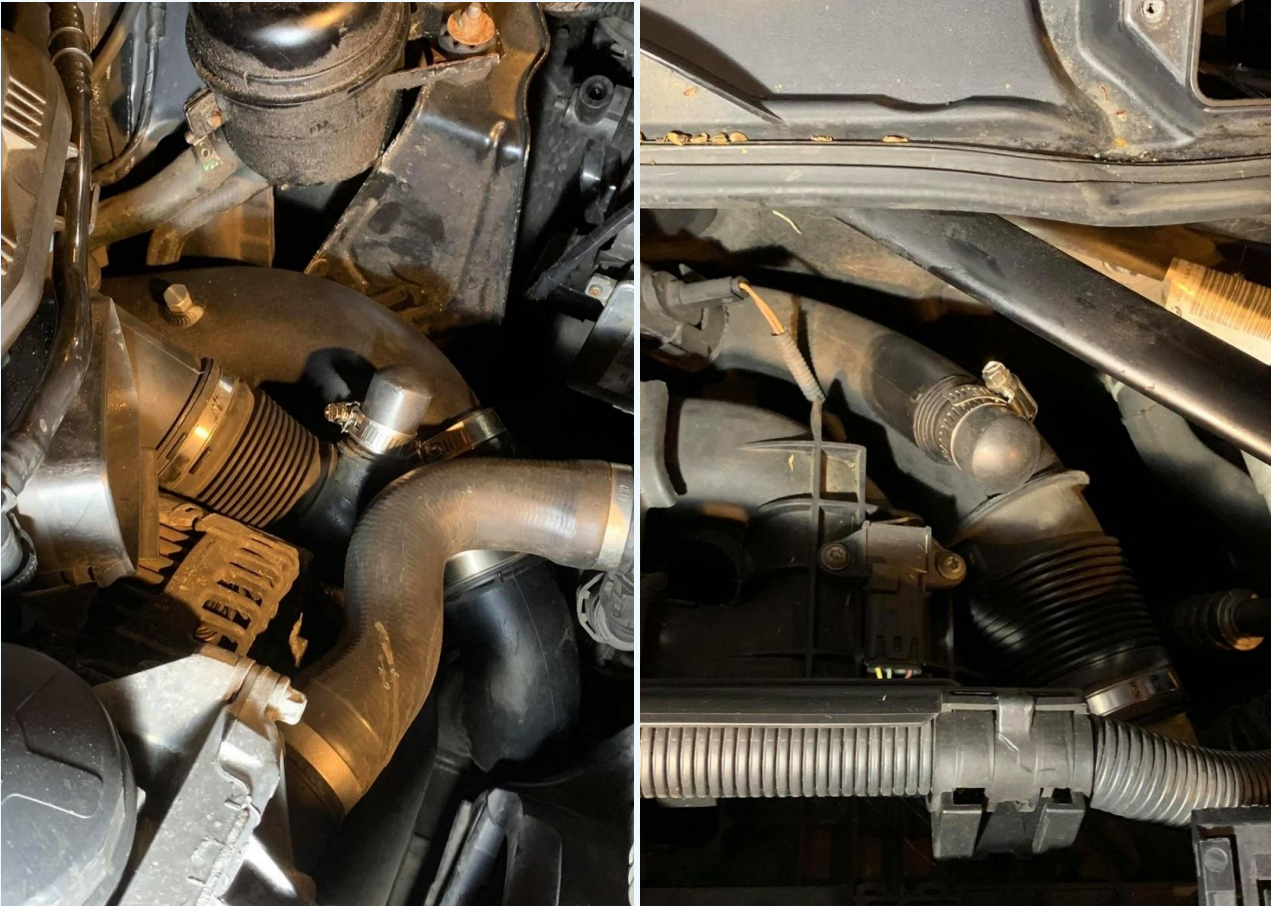
## STEP 22



Connect vacuum Line  
(Green)

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## STEP 23



Plug Diverter Valves ports using bungs and secure with clamps x 2. Refer to photos above for the front view (left) and rear view (right)

## STEP 24

Refit OEM Airbox  
Re-Connect Brake Booster Line  
Re-Fit Cowl and 2 lids  
Re-connect 2 x bonnet sensors



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