

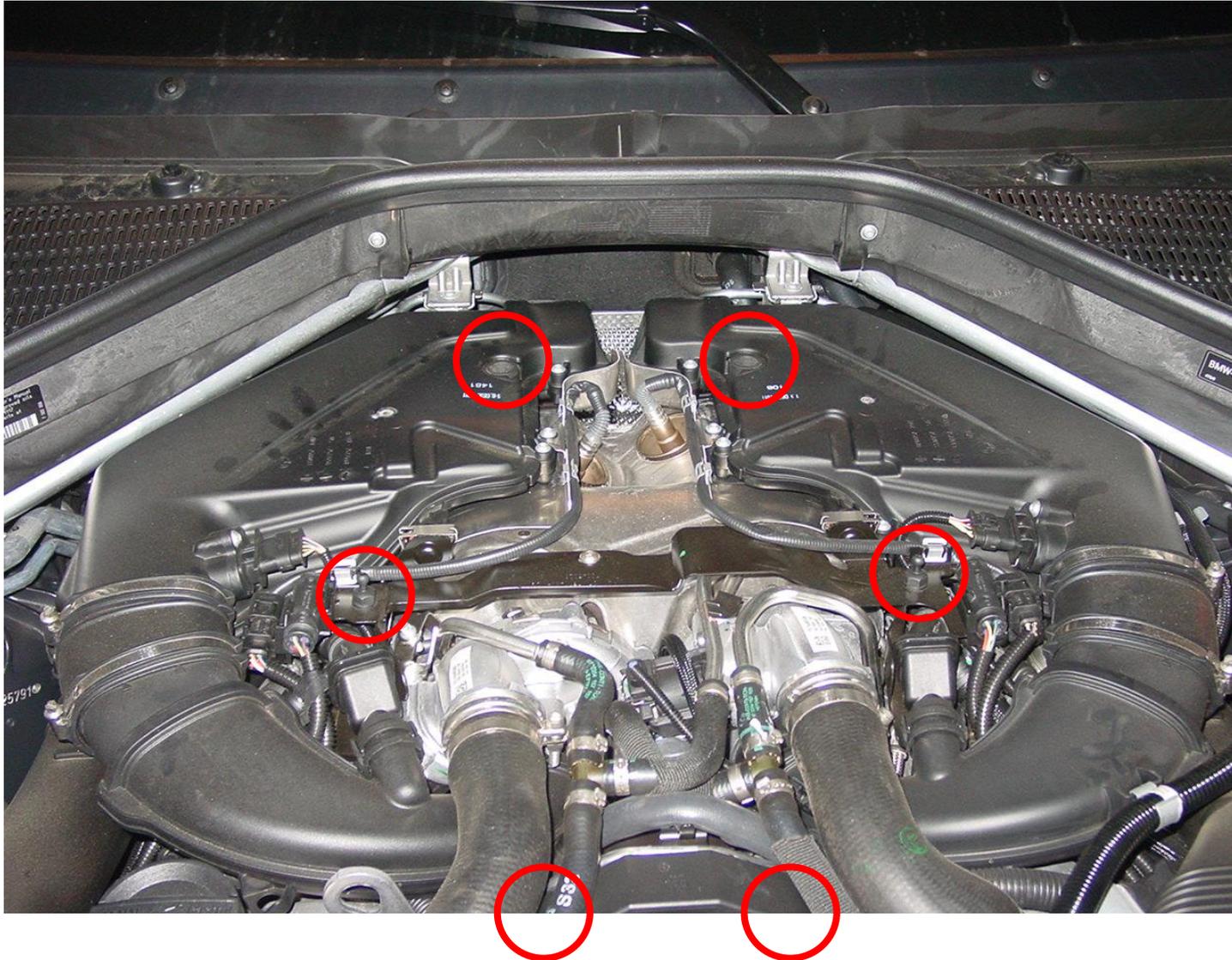
X5 50i (N63) Air Box Removal Guide



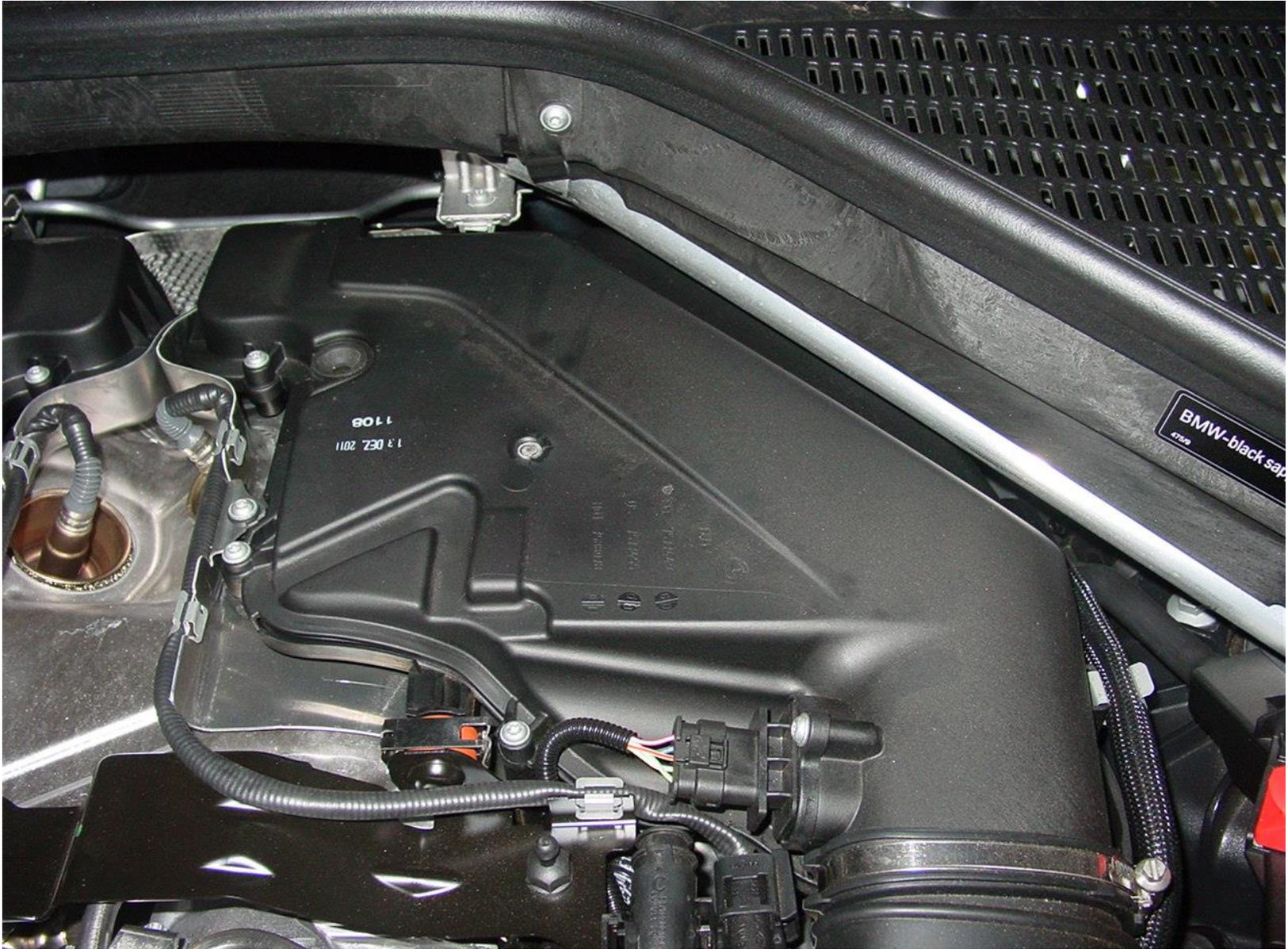
N63 Engine

Engine Shroud Removal

The plastic panel is just pressed on and connects in (6) places. This cover can be pulled up without any tools. Note: Bottom two fasteners are not shown in the picture, but in the location outlined



Right Side Air Box

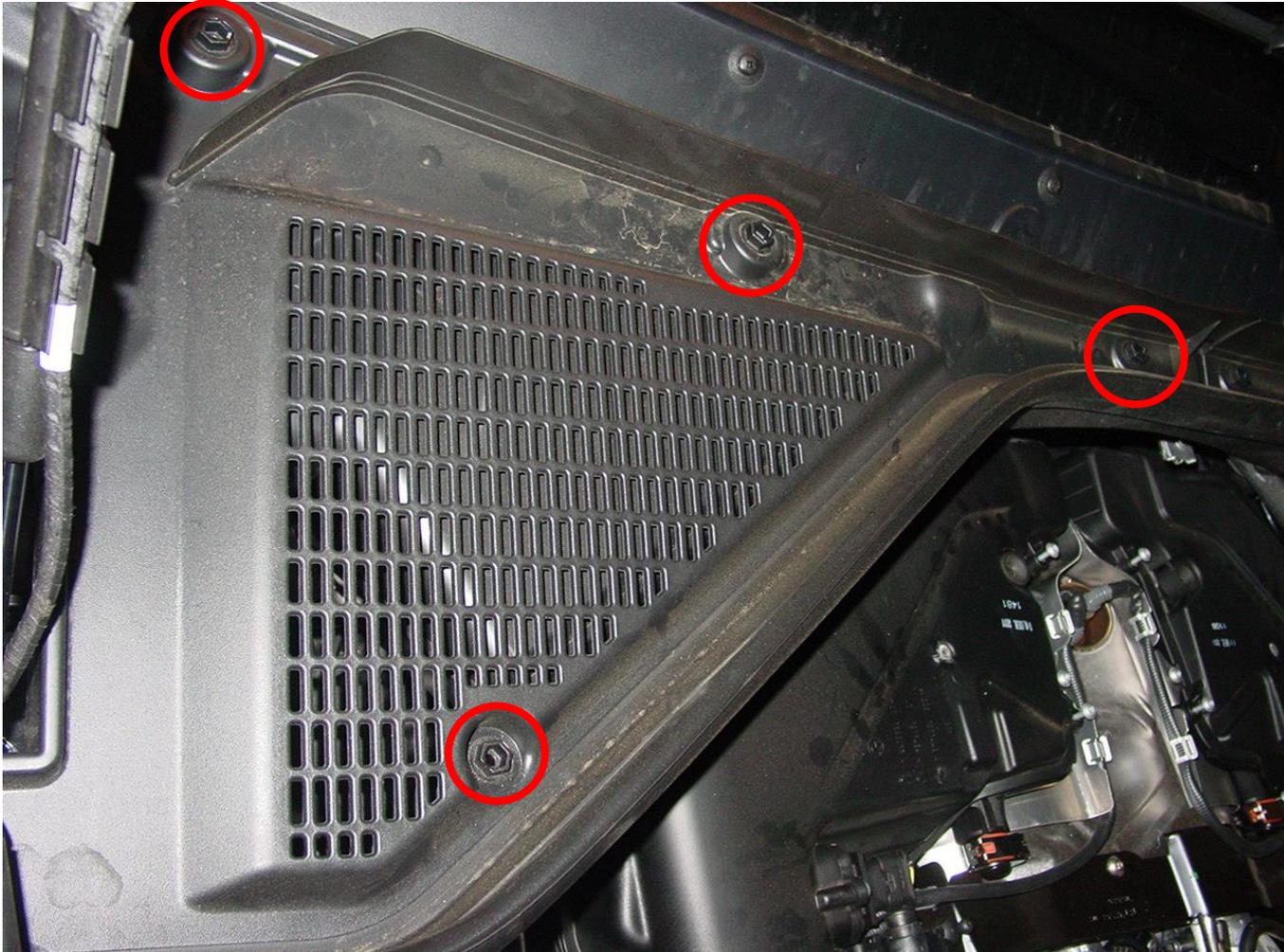


Left Side Air Box

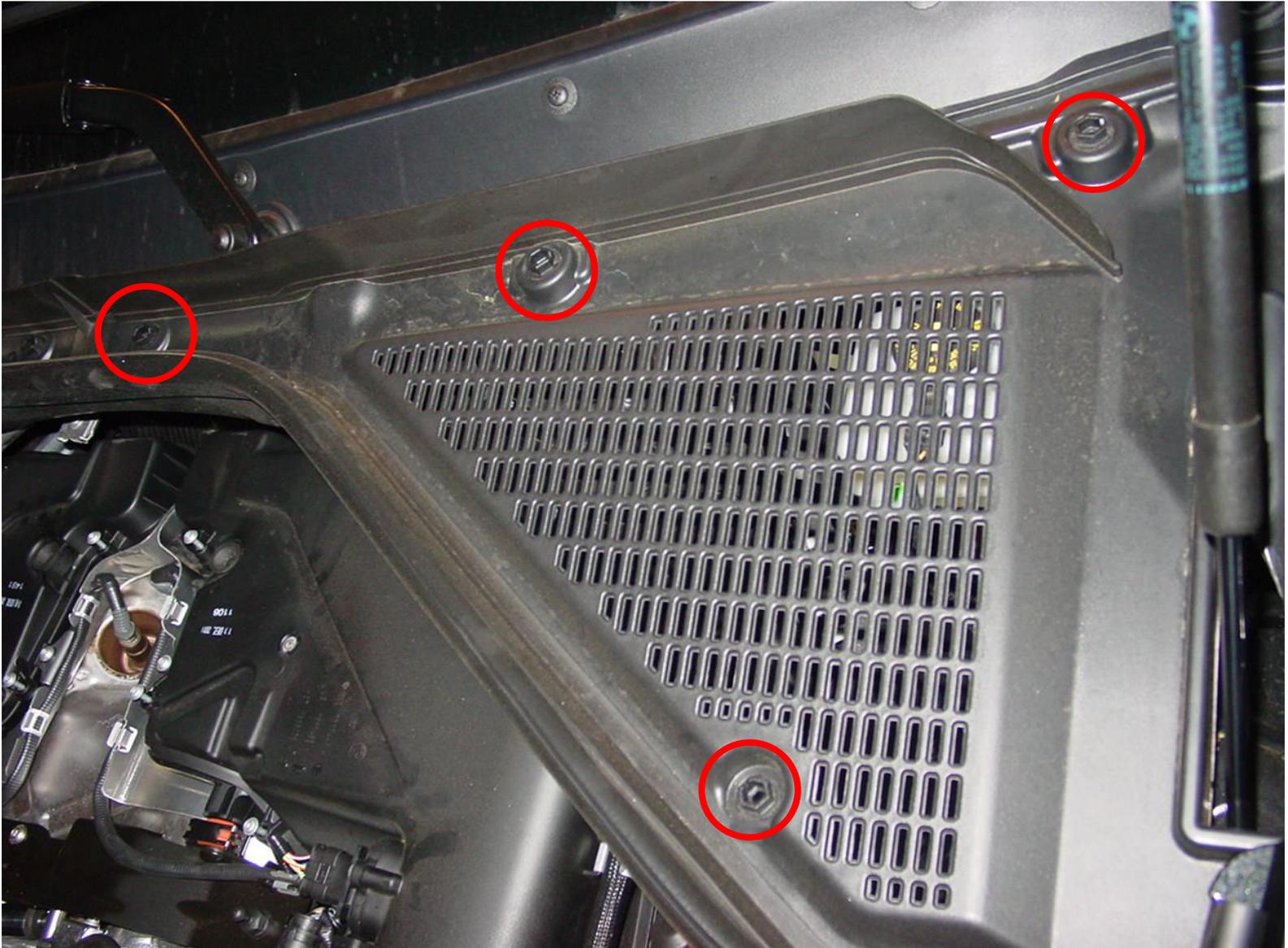


Left Side Cover

To remove this cover loosen the (4) 13mm plastic bolts. NOTE: these are ¼ turn cam-lock type bolts and do not come out. There is a small arrow on the cover which lines up with a small arrow on the bolt head which indicates when the bolt is locked. Absolutely no force is required to loosen and tighten these bolts.



Right Side Cover
Same as left side cover

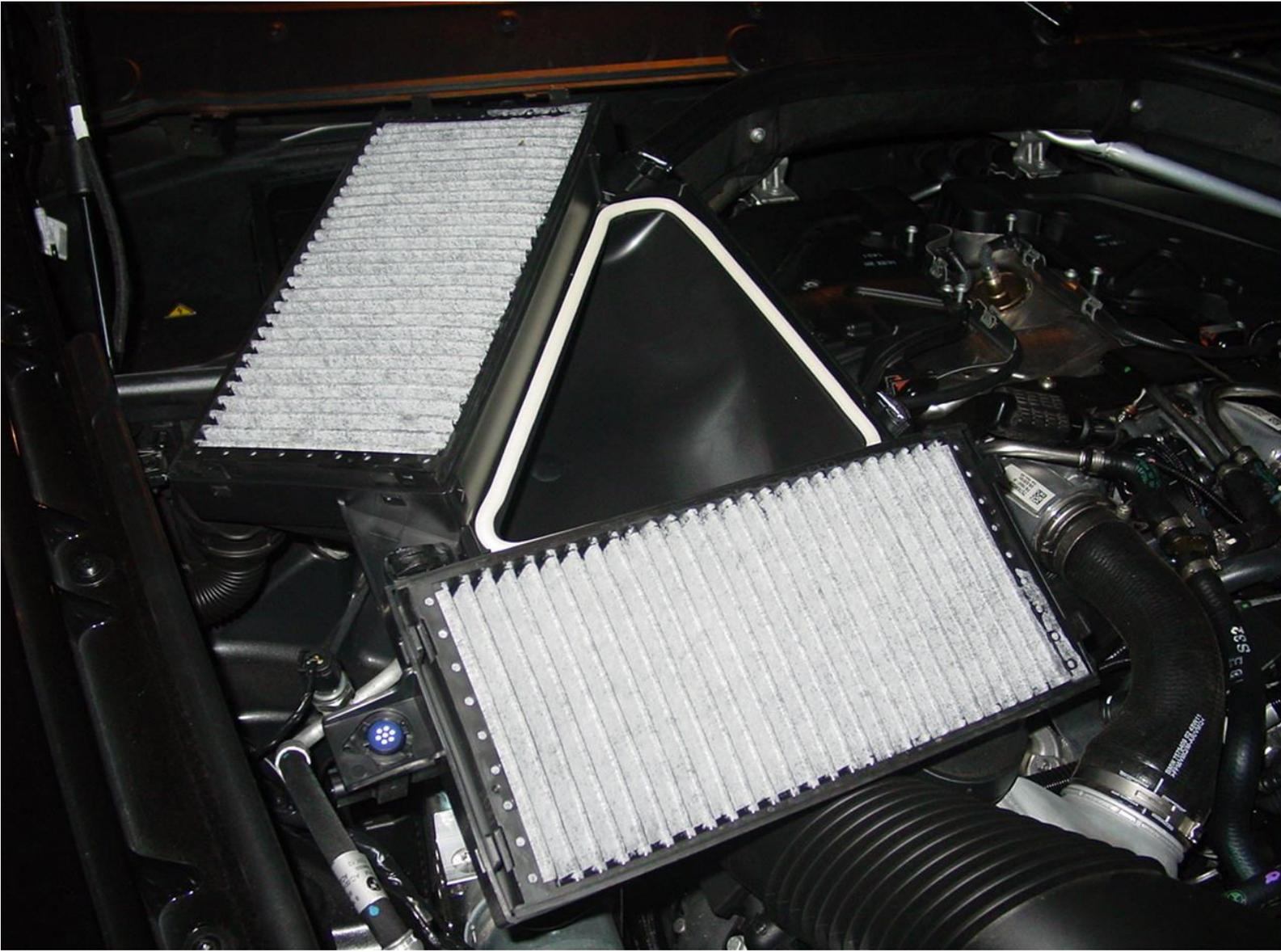


Cabin Air Filter Box

After removing the left side cover the cabin air filter box will be exposed. To remove the cover loosen the (3) 13mm plastic bolts. Note: these are the exact same as the cover which was just removed and only require ¼ turn to loosen. Then disconnect sensor and remove the cabin air box cover with attached filters.



Cabin Air Filters



Cabin Air Filter Box
With cover removed



Left Side Divider Panel

This panel must be removed to get access to air box screws beneath it



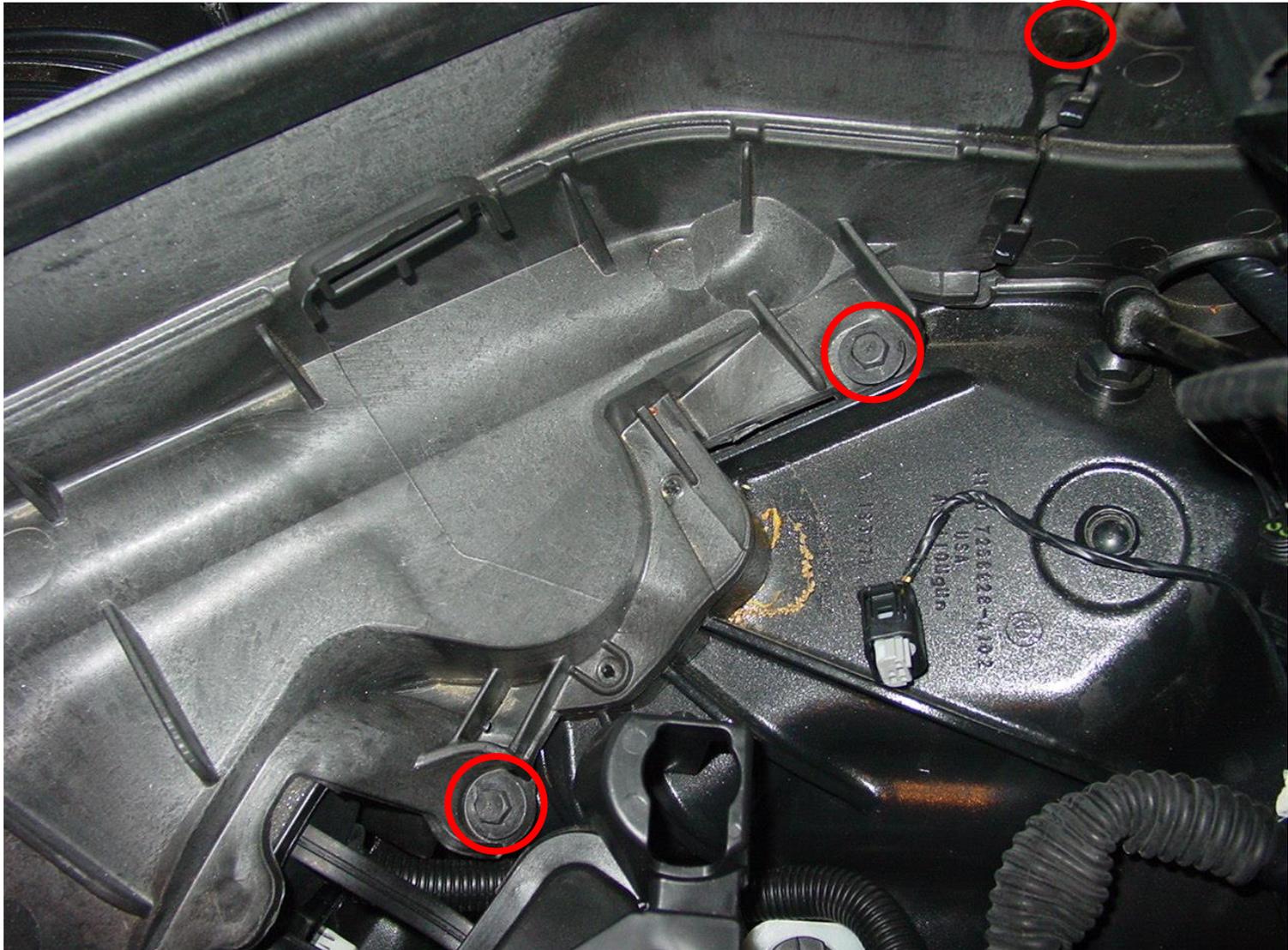
Left Side Divider Panel Removal

Remove the (3) T-25 Torx screws shown below



Left Side Divider Panel Removal (Continued)

Remove the (2) 10mm bolts and then remove the plastic push fastener by pulling the center pin until it pops out and then push out the plastic clip which is left behind.



Left Side Divider Panel removed



Right Side Divider Panel removal

Remove the (3) T-25 Torx screws shown below and release clip holding wire



Right Side Divider Panel removal (Continued)

Remove the (2) 10mm bolts and then remove the plastic push fastener by pulling the center pin until it pops out and then push out the plastic clip which is left behind.



Both divider panels removed



Strut Brace Removal

Loosen up the (4) 15mm bolts and remove both strut braces.

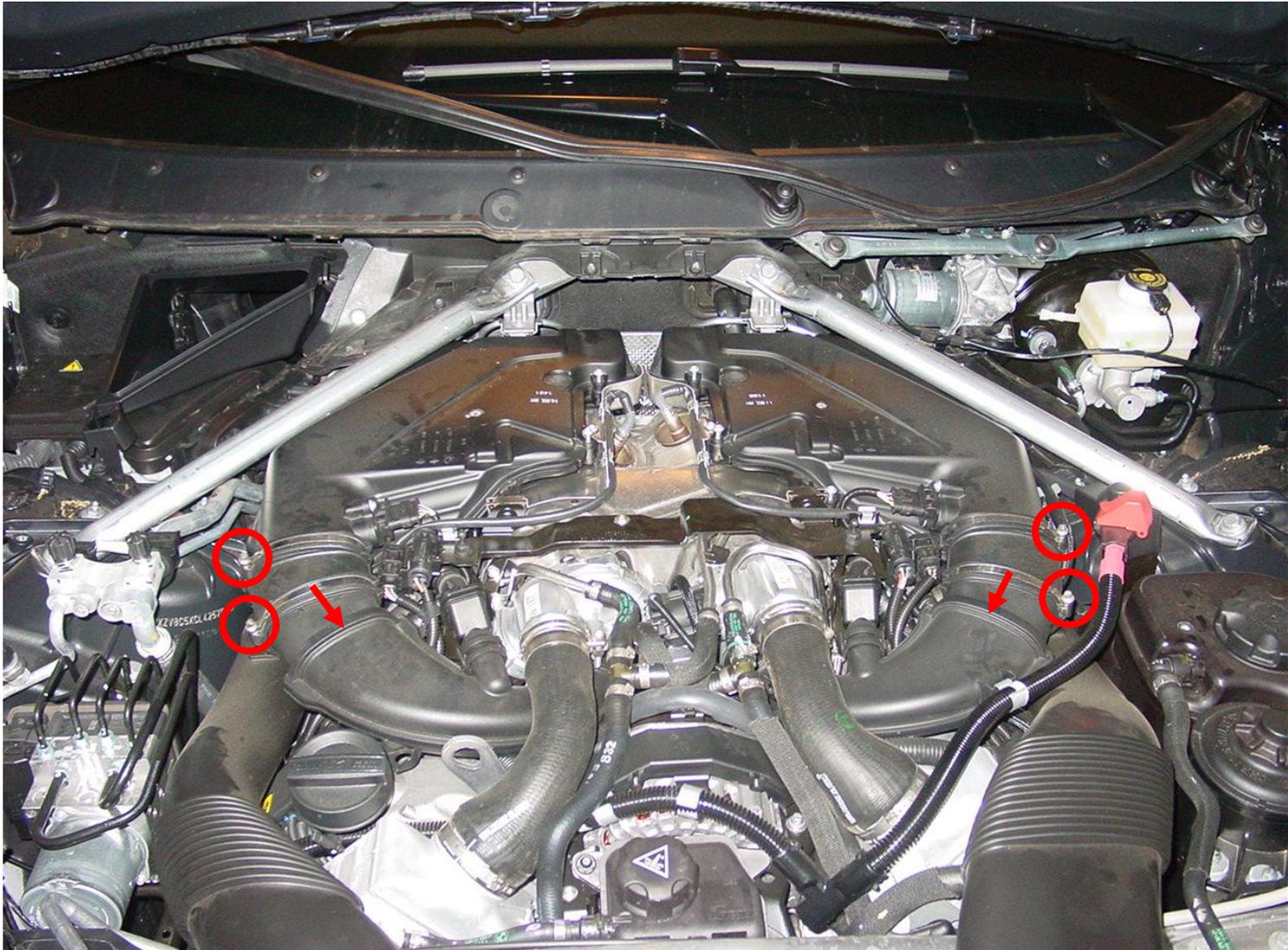


Engine bay stripped down and finally revealing all air box screws

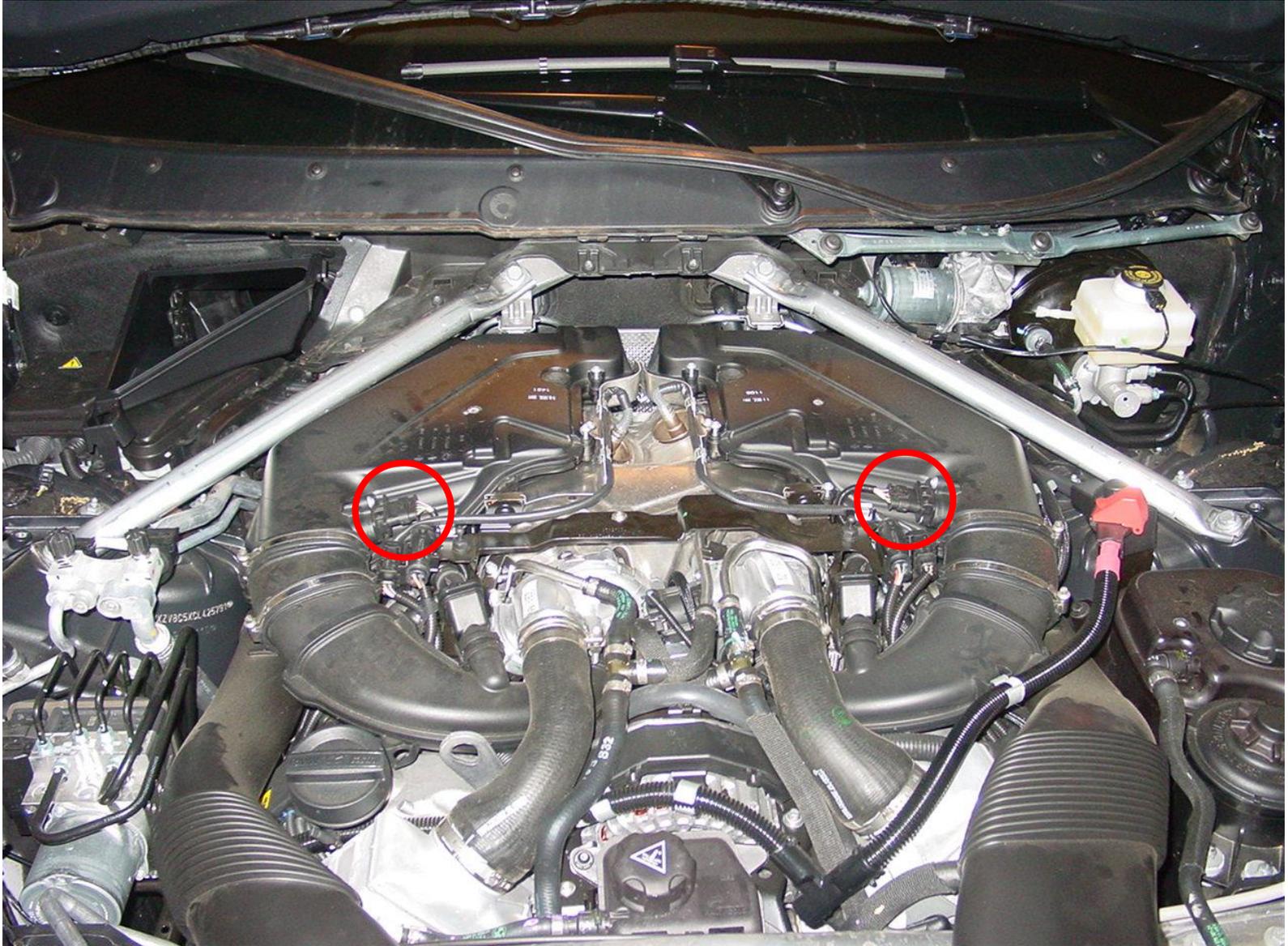


Removal of Rubber Couplers

Loosen up the (4) 6mm worm screw clamps and slide the rubber couplers towards the front of the engine until they clear the edge of the air box cover.



Disconnect MAF Sensors

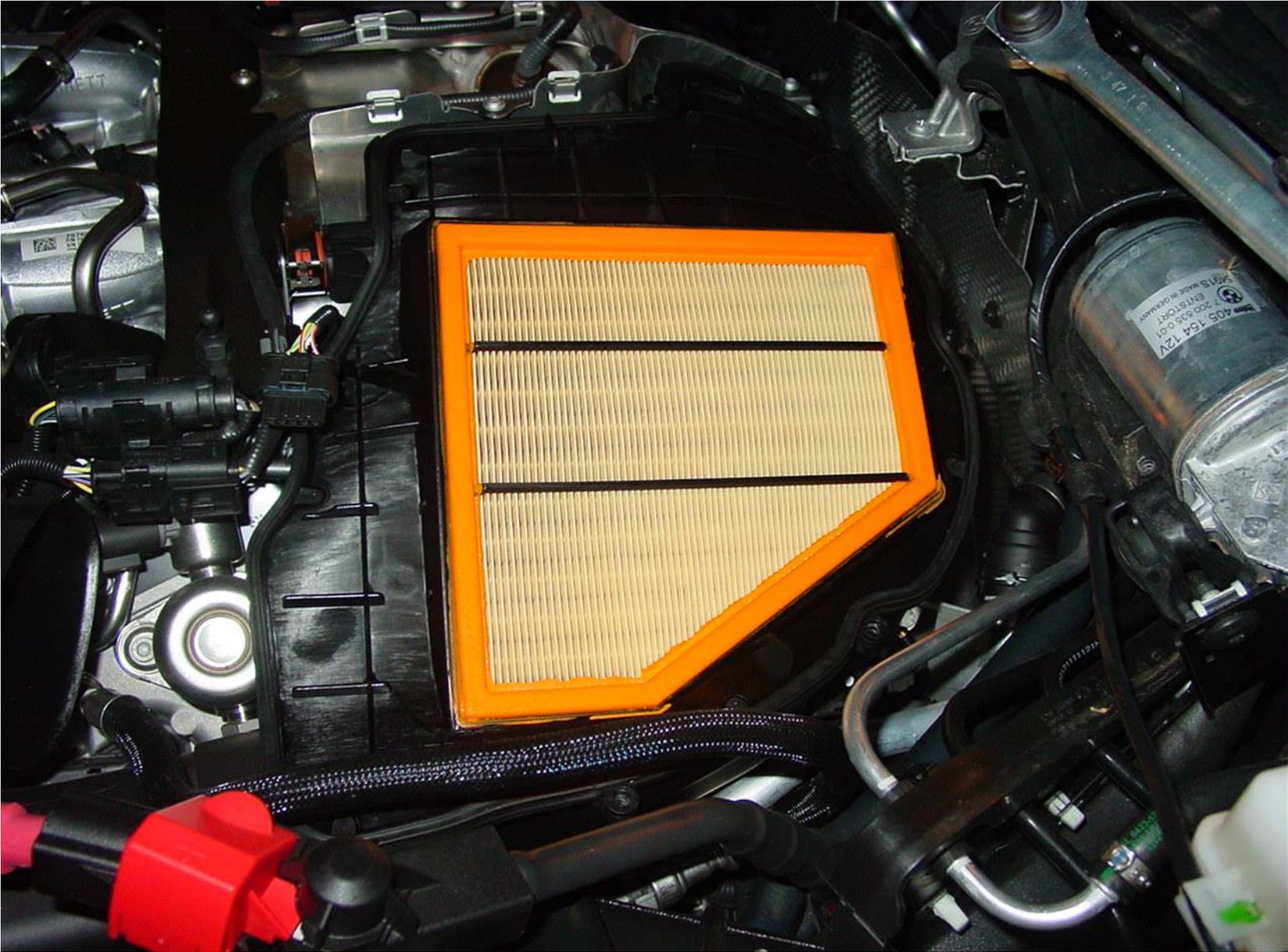


Remove Air Box Covers

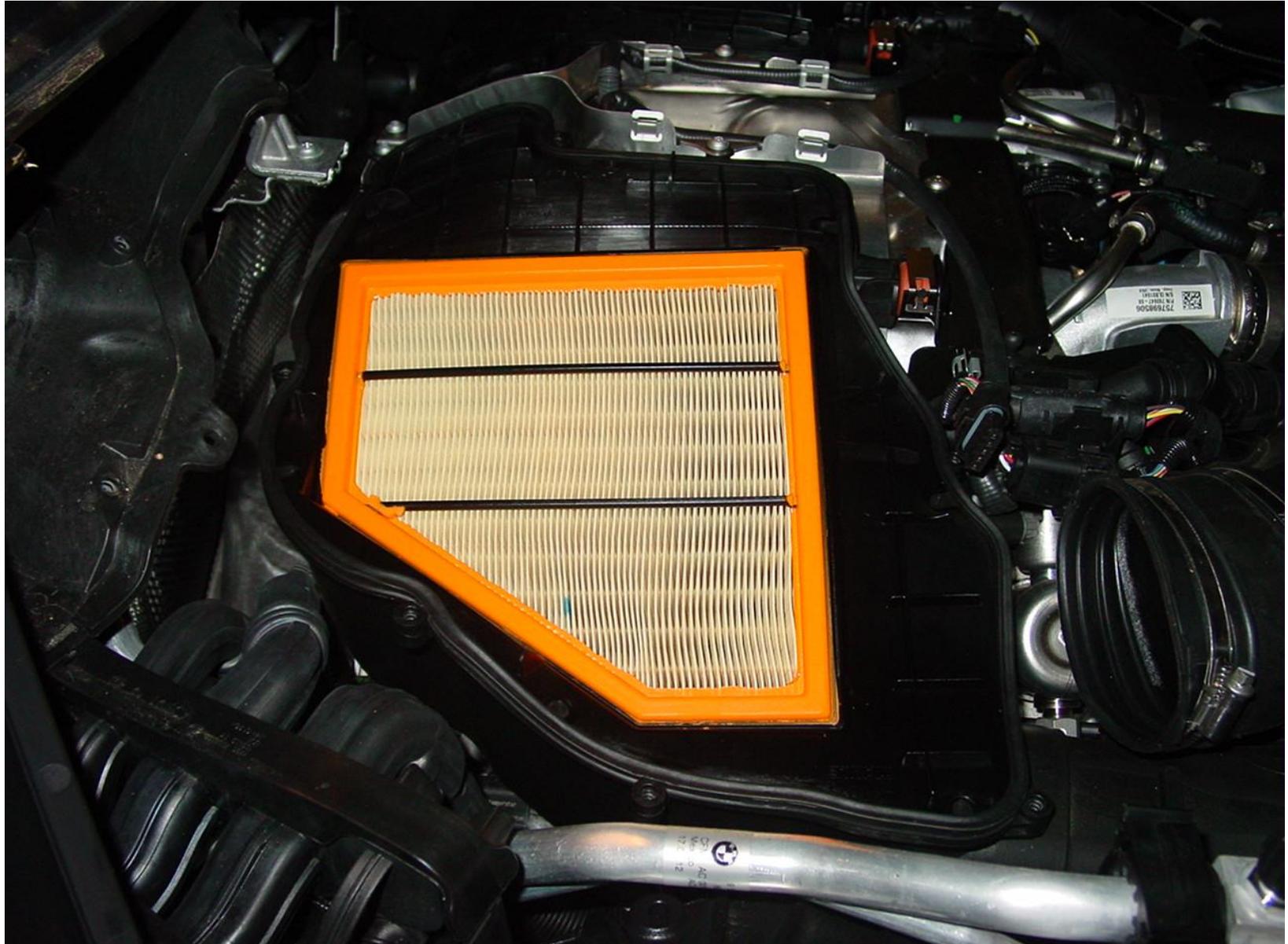
Loosen all T25 torx screws holding air box covers on and remove from air boxes to expose air filters.



Right Side Air Filter



Left Side Air Filter



Right Side Air filter removed from air box



Right Side Air filter removed from air box



Air filter detail



Summary

BMW really doesn't expect these to be serviced very often as they are buried down low and most of the screws are inaccessible without removing all kinds of stuff. Looking at the components of the intake path it is very clear that there are all kinds of restrictions and the engine would benefit massively from a better intake system. Unfortunately, I was hoping to free up a few horses by removing the charcoal filters, but to my surprise there are no charcoal filters in there. The pictures from the F10 550i air boxes show them in there, but for some reason BMW decided not to include them on the X5 50i.