

## F2X/F3X Rear Subframe Insert Kit

Product part number: MMR12-6002

Please take time to read these instructions thoroughly before proceeding. When performing the installation, read the instructions fully before working on the car. If you feel that you do not have the requisite skills or tools/facilities, please arrange for a qualified technician to perform the installation.

Ease of Fitment:

Required Tools:

Included in the box:



(the greater the star rating the easier the installation)

- T27 Torx Bit
- E16 & E18mm Socket
- 8 & 13mm Socket
- Torque Wrench
- Flat-Head Screwdriver

- 2 x Front Upper Insert
- 2 x Front Lower Insert
- 2 x Rear Upper Insert
- 2 x Rear Lower Insert



### ✗ STEP 1 – Vehicle Prep

Raise the vehicle using a 2 poster lift or car jack. Secure with axle stand if not using a vehicle lift.

Using a 13mm socket, remove the rear exhaust hanger bracket and allow the exhaust to rest on the driveshaft tunnel brace. This will allow extra space for the rear subframe to be lowered.



### ✗ STEP 2 –

Support the rear of the rear subframe with a transmission or vehicle jack (if not using a 2 poster ramp). Once supported remove the 2 x subframe bolts using the E18 socket and place the factory doormat washer to one side.

Grease the 4 x rear inserts to allow easy install as shown in Figure 2b. Now lower the rear subframe to allow access for the Rear Upper Insert to be inserted.



### ✗ STEP 3 – Installation of Rear Inserts

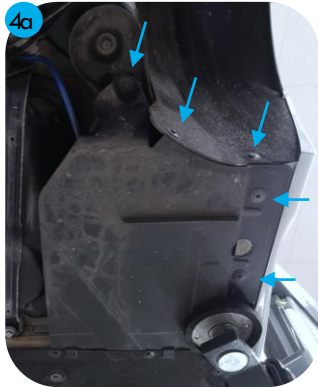
Before inserting the upper insert, ensure the orientation is correct. For both the upper and lower inserts, the 'Short' width tab needs to be towards the front of the vehicle, for both the upper and lower insert.

Install the Upper Insert first (Labelled A in Figure 2b), ensure the insert sits flush with the factory rubber bushes mounting face.

Next push the Lower insert (Labelled B in Figure 2b) into the underside side of the rear bush. Once all 4 x rear inserts are in place, raise the subframe and thread the factory bolt into place. You will Torque these bolts in STEP 6.

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### ✘ STEP 4 – Undertray removal

In order to install the 4 x Front Upper and Lower inserts the rear undertrays need to be removed to gain access for install.

First stage is to remove 6 x T27 bolts from each side of the vehicle, see *Figure 4a* for reference.

Next use a 8mm socket to remove the undertray retaining nut from the subframe mounting bracket and finally remove the push pins towards the front of undertray using a flat head screwdriver.

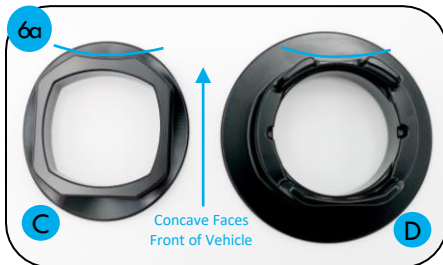


### ✘ STEP 5 – Prep for Front Subframe Bush Inserts

First support the front of the rear subframe with a transmission or vehicle jack (if not using a 2 poster ramp). Once supported remove the 2 x subframe brace bolt using the E16 socket and then 1 x E18 socket.

Repeat this process on both sides of the vehicle and place both subframe braces aside. (these will be reinstalled in STEP 6)

Now the subframe brace is removed clean and apply a small amount of grease on the mounting face of the subframe brace (See *Figure 6c*) ready for STEP 6.



### ✘ STEP 6 – Install Front Subframe Bush Inserts

First stage is to identify the orientation of the remaining inserts, this can be seen in *Figure 6a*. The side with a concave shape needs to point toward the front of the vehicle.

Next stage is to lower the front of the rear subframe using the transmission or vehicle jack to gain access to the top of the bush, then insert the upper insert (Labelled C in *Figure 6b*). in the orientation shown in *Figure 6a*. Once inserted raise the subframe back into place using the jack.

Next stage is to place the Lower Insert (Labelled D in *Figure 6a*) onto the subframe brace as shown in *Figure 6c*. Once seated correctly reinstall the subframe brace and bolt in place using the E18 and E16 removed in STEP 5.

Now the torque the E18 bolts to 108Nm and the E16 bolts to 47Nm.

Final stage is to refit the undertrays and exhaust hanger that was removed in STEP 1 & 4, this is completed in the reverse order as stated in STEP 1 & 4.

