

8HP Adapter Plate Fitting Instructions

Although every effort has been made to make this adapter plate DIY friendly, it requires mechanical competence to fit. This includes the ability to make small modifications, cut aluminium, drilling and tapping. If you are not comfortable to make these modifications, seek professional installation.

Included in the kit:

- 8HP adapter plate
- Bolt kit comprising of:
 - 2x M12 x 80
 - 2x M12 x 60
 - 1x M10 x 55
 - 2x M10 x 35
 - 3x M8 x 45
 - 3x M8 x 20
 - 2x M6 x 20
 - 4x Dowels
 - 6x TC bolts
 - 1x TC access cover

Parts not included that you will also need:

- N57 Flex plate (BMW part number 8577213)

Before installing the adapter plate, it will be necessary to use it as a template to mark a hole to be cut in the bellhousing of your 8HP gearbox, to allow the M57 starter motor clearance.

Remove the torque converter from the gearbox, and use a suitable clean rag, and cable ties to make the shaft and internals of the gearbox dust tight before doing any cutting!



After cutting, offer up the adapter plate and starter motor to the gearbox to ensure that you have enough clearance.

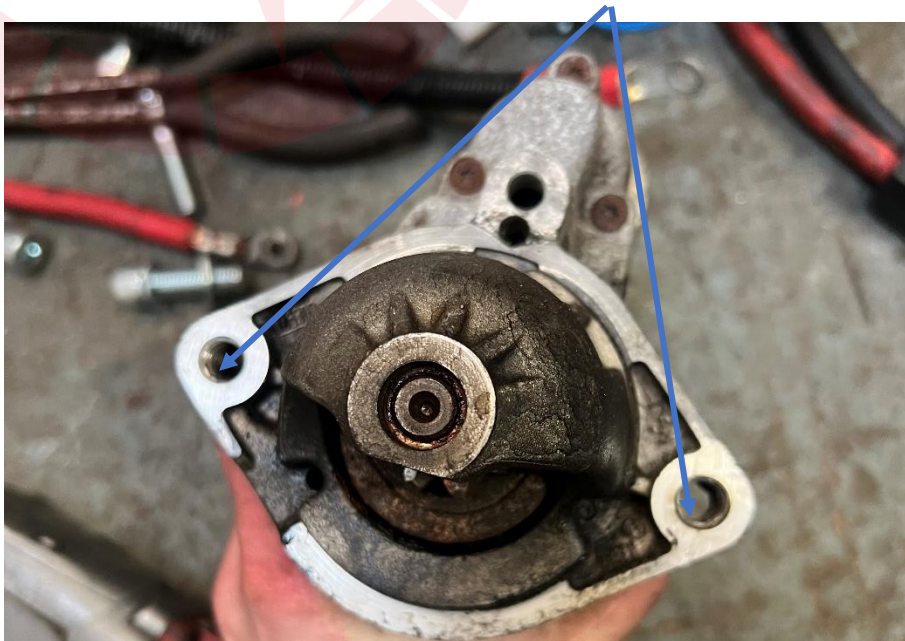
Once you are happy with the clearance, fit the starter cover to the gearbox using the supplied drill/tap combo and the screws. We recommend adding instant gasket to seal the cover to the gearbox.



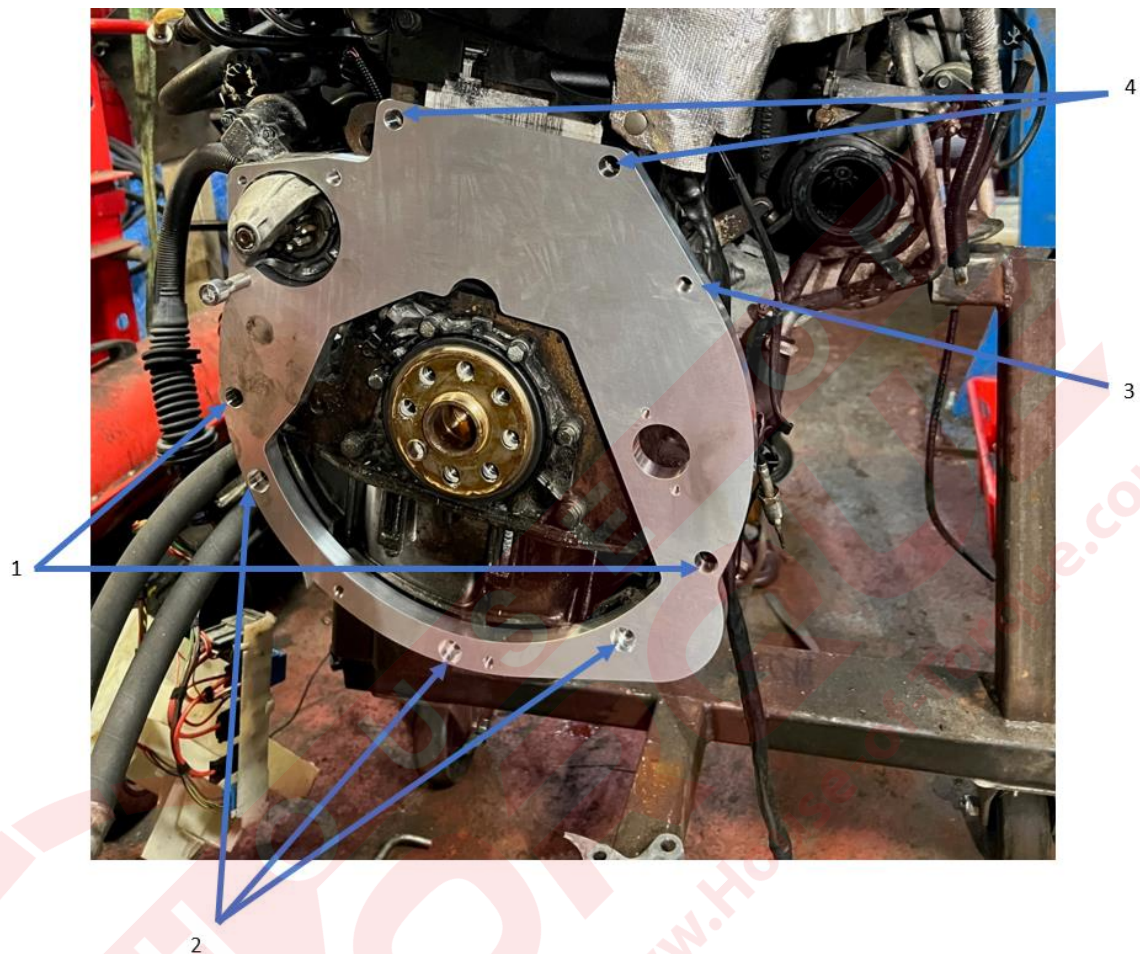
Starter Motor

The starter motor will need to be modified in order to fit the 8HP adapter. Mount the starter motor securely in a vice, being careful not to damage the casing. Using an 10mm drill, remove the threads from both mounting holes.

Bolt the starter motor to the plate (from the engine side using 2x M10 x 35 bolts).



Once the starter has been fitted, the adapter plate should now be installed onto the engine. If your engine block already has dowels fitted in the outer 2 holes, carefully line the adapter up and push it into place. Note: a tap with a small rubber mallet may be required to correctly seat the plate on the dowels.



1: M12 x 80

2: M8 x 20 (Installed before the gearbox is mounted)

3: M10 x 55

4: M12 x 60

Flex Plate

To install the 8HP flex plate, you must remove the dowel that holds the 6HP flex plate in position. **IMPORTANT:** this dowel also holds the location of the crankshaft position sensor reluctor ring. It is **VERY** important that you do not let this ring move out of its position, or the engine will not run!!



Remove this dowel, using a pair of pliers or mole grips

Once this is removed, fit the 8HP flex plate, and torque the bolts evenly to 120Nm. Loctite should also be used sparingly. With the flex plate installed, the gearbox can now be mounted to the engine.

First ensure that locating dowels included in this kit are installed in the relevant locations in the gearbox as shown overleaf.

*It is important that you do not use excessive force when installing the gearbox. Ensure that the torque converter is correctly seated. If it is not the gearbox will not mate correctly, and you run the risk of damaging the gearbox internals.



Insert dowels here

With the gearbox installed, you can use the access hole in the adapter plate to install the torque converter bolts. The access hole can then be covered using the plastic blank and the 2x M6 bolts supplied.