



DomiWorks Engineering BMW M5x/S5x to S55 DCT adapter kit Installation Guideline

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The information in this document is guidelines of how to install this kit to your engine. Failing to follow these guidelines may result in permanent damage to the included components, which DomiWorks Engineering cannot be held responsible. Always work calm and methodical and always wear appropriate safety equipment.

Contents

This kit includes the following items

1x Adapter plate, fits BMW M5x/S5x engine and BMW S55 DCT gearbox (30 degree tilt)

1x BMW M5x/S5x full flywheel and DCT coupler hub

8x Flywheel bolts

S55 bolts:

2x 14.5mm extra-long guiding dowels

5x M12x55 bolts

2x M12x80 bolts

1x M10x25 bolt

1x M10x75 bolt

1x M10 nut

2x M10 washers

2x M8x25 bolts

2x M8x45 bolts

1x M8x60 washers

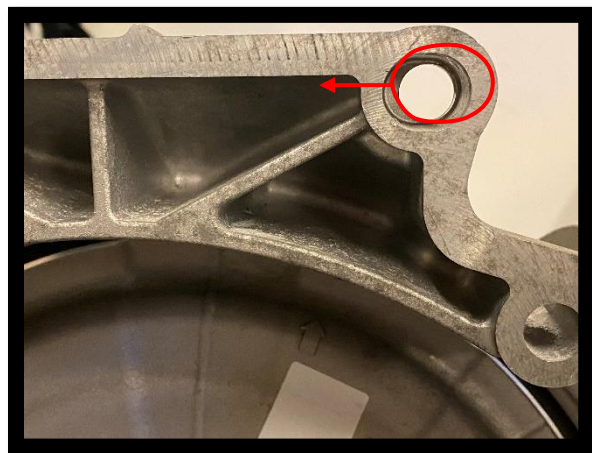
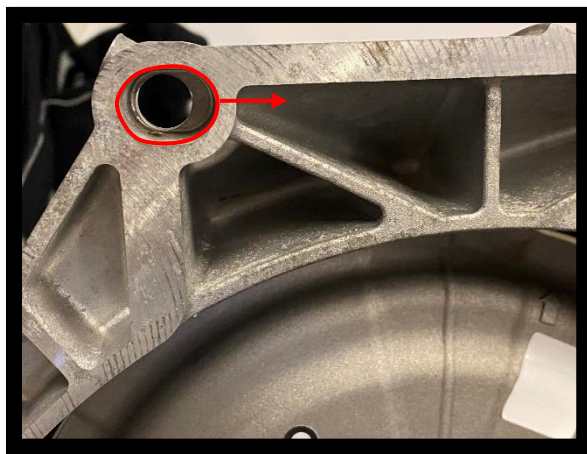
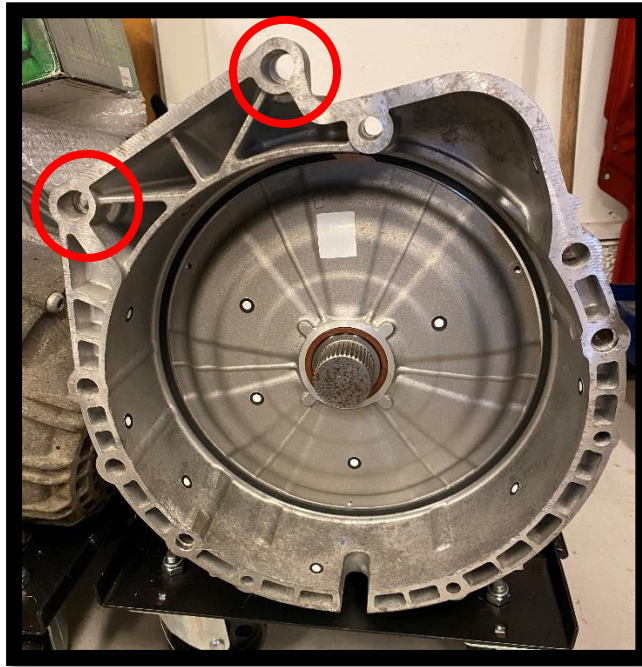
If anything is missing please contact sales@domieng.com



The M5x/S5x engine bolt pattern and the S55 DCT gearbox bolt pattern has many bolts in common. Therefore, some of the bolts are going through the adapter and threaded in the block instead of the adapter.

Preparation

To be able to mount the top two bolts, its required to make the marked two holes oval. The holes are required to be widen 4mm inwards the center.



Installation of adapter plate

Mount the adapter plate on the engine with the use of the extra-long guiding dowels. Make sure the guiding dowels is protruding a few mm which the gearbox can guide on when its time to mount it.

Mount the two M8x25 bolts on the bottom and tighten them See page 5 for reference.

Installation of flywheel

Install the flywheel on the crank, make sure it bottoms out on the crankshaft flange. Mount the DCT coupler hub onto of the flywheel and insert mount the flywheel bolts.

Torque flywheel bolts to 105 Nm.

Grease the DCT splines with the included grease.

Installation of gearbox

Slide the input shaft into the center hub of the flywheel. Make sure the gearbox and adapter flange are flush before adding any bolts. Do not draw the gearbox and engine together using the fasteners. This is usually a sign that the gearbox is misaligned or that something is being pinched between the gearbox and engine.

Add the M12x70 which is placed in the guiding dowel holes.

Add the rest of the bolts to their respective place. See page 5 for reference.

Installation of starter

Mount the starter and use the M10x25 and M10x75 bolts. Add washers to both of them.

The M10x75 will go through the starter, adapter plate and gearbox and will be secured with a M10 nut on the gearbox side. Tighten it.

Mount the M10x25 bolt and tighten it.



