

Manual with instalation proces for engines BMW N54 / N55 / S55 with
DODGE CHALLENGER / CHARGER / HELLCAT/

ZF 8HP70 / 8HP90

VERSION FOR BMW OEM FLEXPLATE

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1. Adapter installation on engine

No	Bolts type	Size	Qty
1	DIN912	M12x30	7
2 info		14,5mm BMW OEM positioning slaves assembled in engine block. Holes in adapter plate from opposite.	2
3	DIN912	M10x40 – for starter motor	1
4 info	DIN912	M10x40 – for starter motor used from opposite with starter motor fitments	1
5	DIN912	M8x40	3



2. flex plate instalation.

FLEXPLATE NOT INCLUDED IN STANDARD KIT.

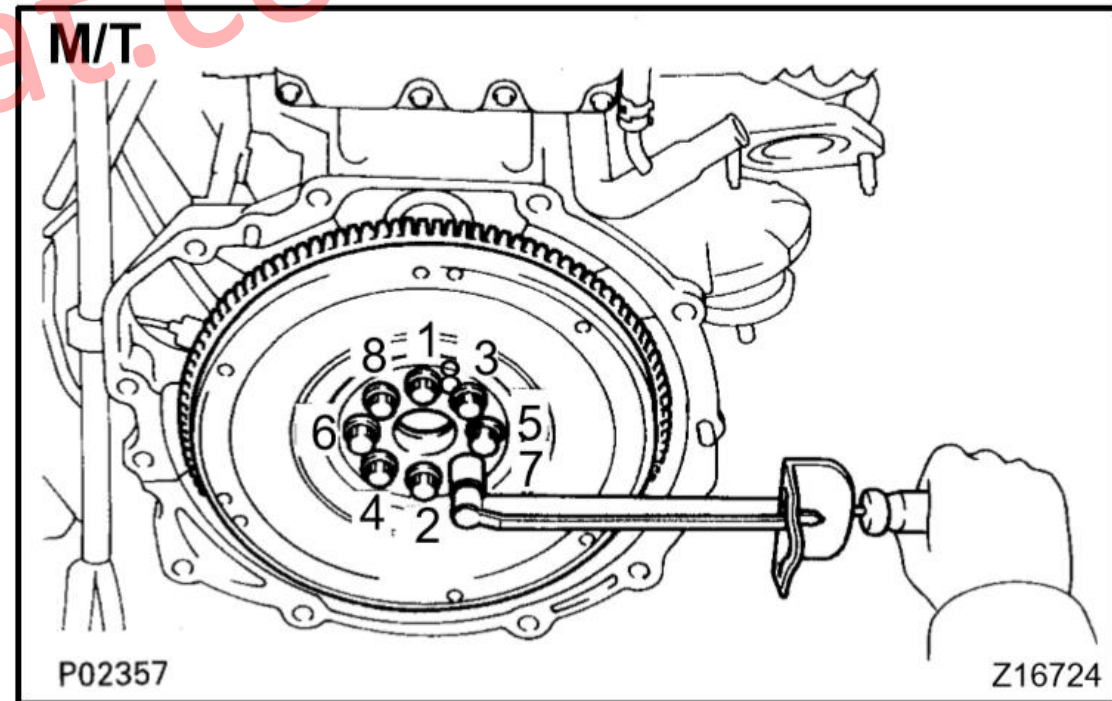
N52/N53 6 bolts flexplate – BMW OEM [11227548102](#)

N54 8 bolts flexplate – BMW OEM [11227553157](#)

N55/S55 6 bolts flexplate – BMW OEM [11228604045](#)

Torque for DIN912 M12x1,5x30 bolts from kit :

- use lubricant SOFT thread locker
- first stage 49Nm
- Secound stage 85Nm
- final stage 115Nm



3. Torque converter Adapter preparation and installation.

Depending on the production year of the transmission, there are two different converter shaft sizes:

- For older transmissions:

The converter shaft diameter is approximately **34mm**.

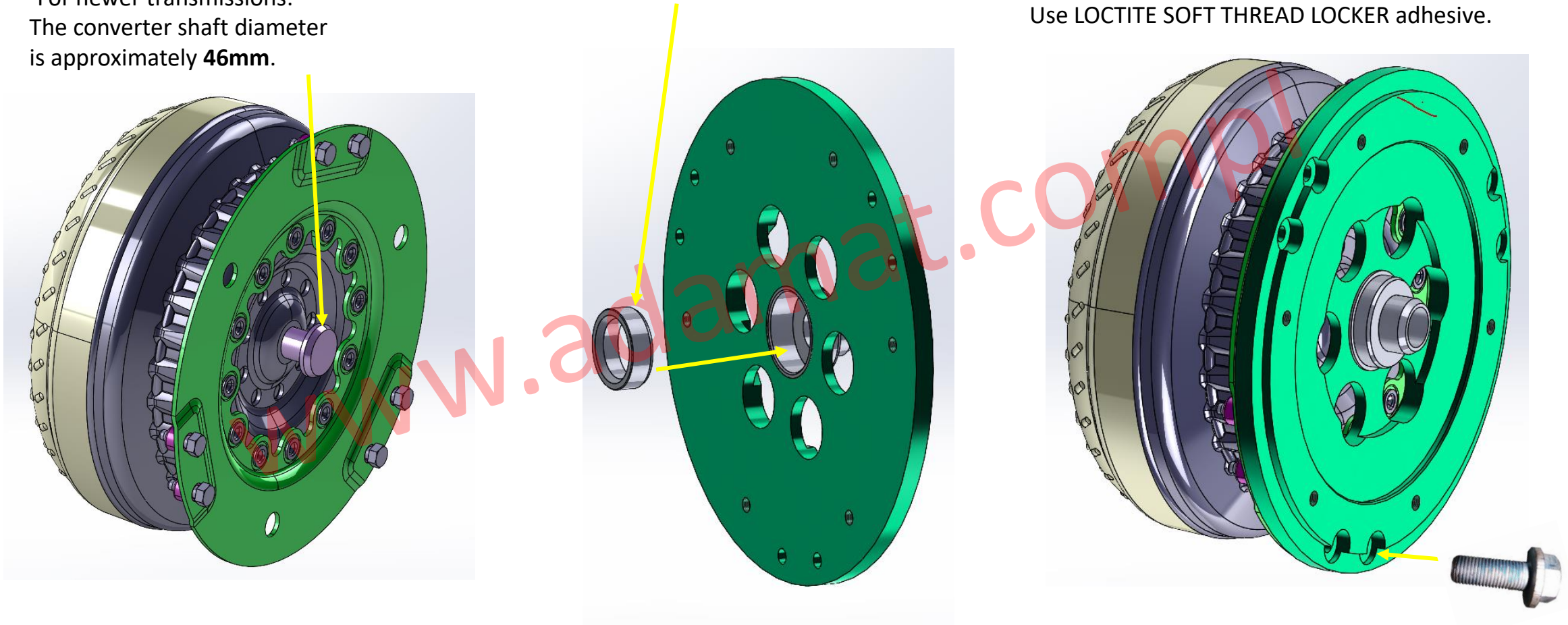
- For newer transmissions:

The converter shaft diameter is approximately **46mm**.

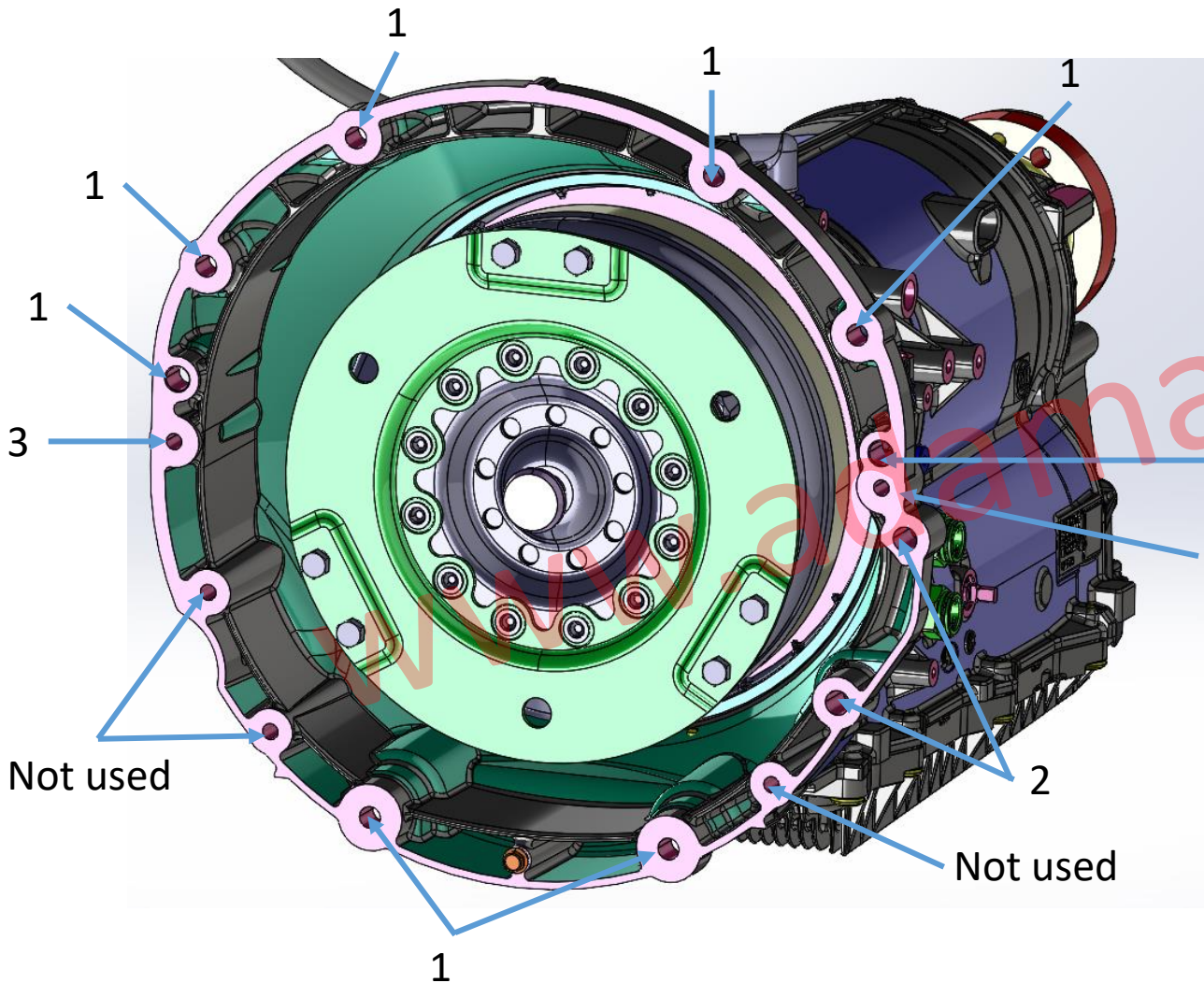
To install the reduction ring in the flywheel by pressing it, for a gearbox with a pin diameter of approximately **34mm**.

Secure the converter using 6x DIN6921 M8x30 screws, with a minimum grade of 10.9 and a final torque of 67Nm.

Use LOCTITE SOFT THREAD LOCKER adhesive.



4. Assy transmission with torque converter on engine.
Bolts chart.



N o	Bolts type	Size	Qty
1	DIN912	M10x35	7
2	DIN912	M10x40	2
3	DIN912	M8x40 Positioning dowel pin in adapter	1
4	DIN912	M8x45	2
	Dowel 14,5	Assembled in adapter plate	2

Only positioning
Hole for dowel pin in adapter



5. Assy transmission with torque converter on engine with standard procedure.

For torque converter please use OEM 6pcs BMW bolts [24407561393](#),
you can use also 6 bolts DIN 933 10.9 class M10x20

Torque for bolts

- use soft thread locker glue.
- first stage 49Nm
- Secound stage 55Nm
- final stage 85Nm

Photo show revision hole in example N54
Sump for torque converter bolt assembly.

DIN933

