

Manual with instalation proces for engines 1UZ / 3UZ FE with
DODGE CHALLENGER / CHARGER / HELLCAT/
ZF 8HP70 / 8HP90
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1. Adapter installation on engine

No	Bolts type	Size	Qty
1	DIN961	M12x1,25x25	6
2	DIN912	M10x35 assembled from behind	3

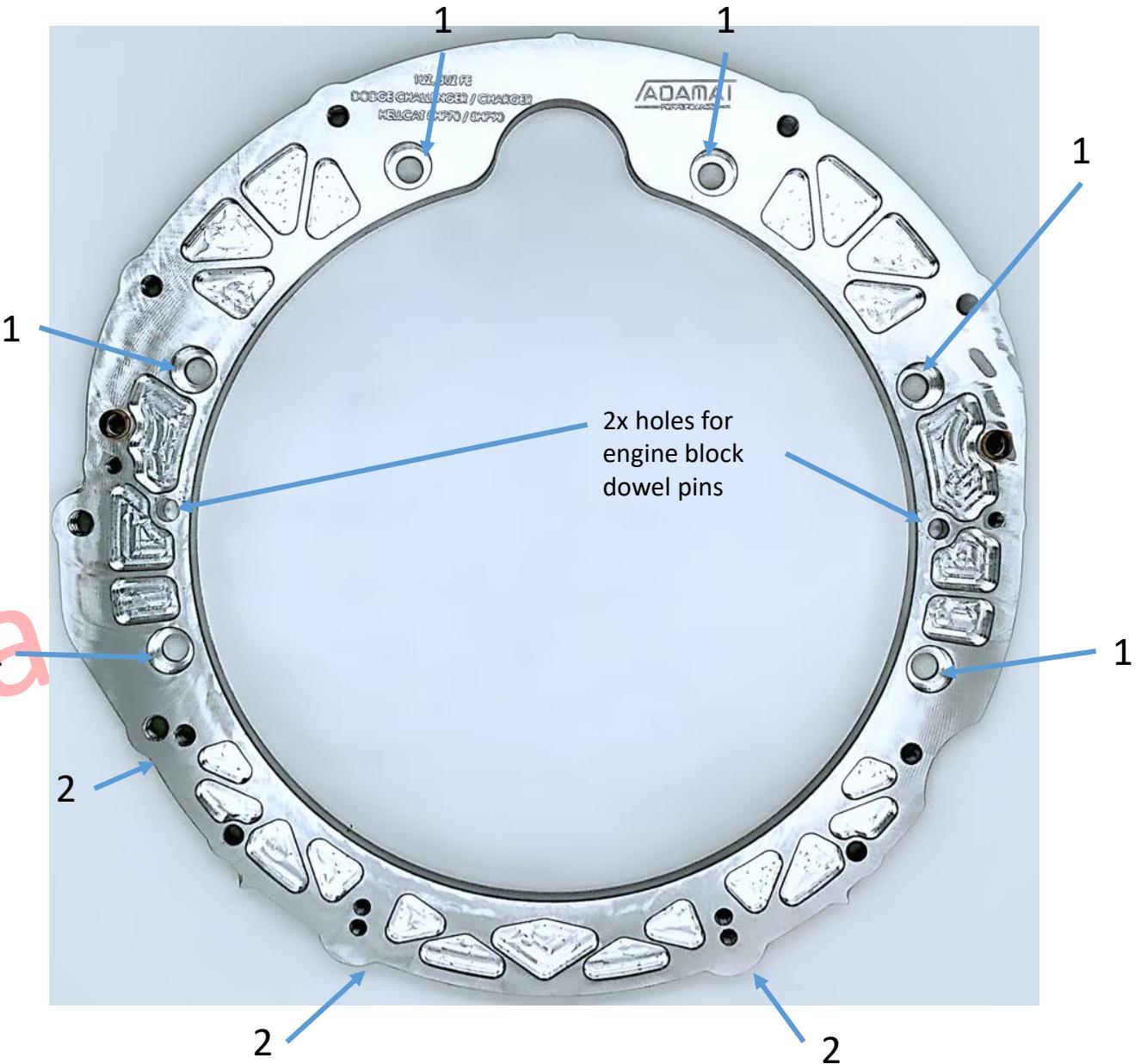
DIN961



DIN912



www.ada



1UZ / 3UZ flywheel installation

WE DONT USE UZ SHIM FROM AUTOMATIC TRANSMISSION. MAIN FLYWHEEL ASSEMBLED DIRECTLY TO CRANKSHAFT.

Torque for bolts from kit M10x1.25 12.9 class

PLEASE ENSURE THAT BOLTS ARE NOT TO LONG. IF NECESSARY PLEASE MAKE IT SHORTEN.

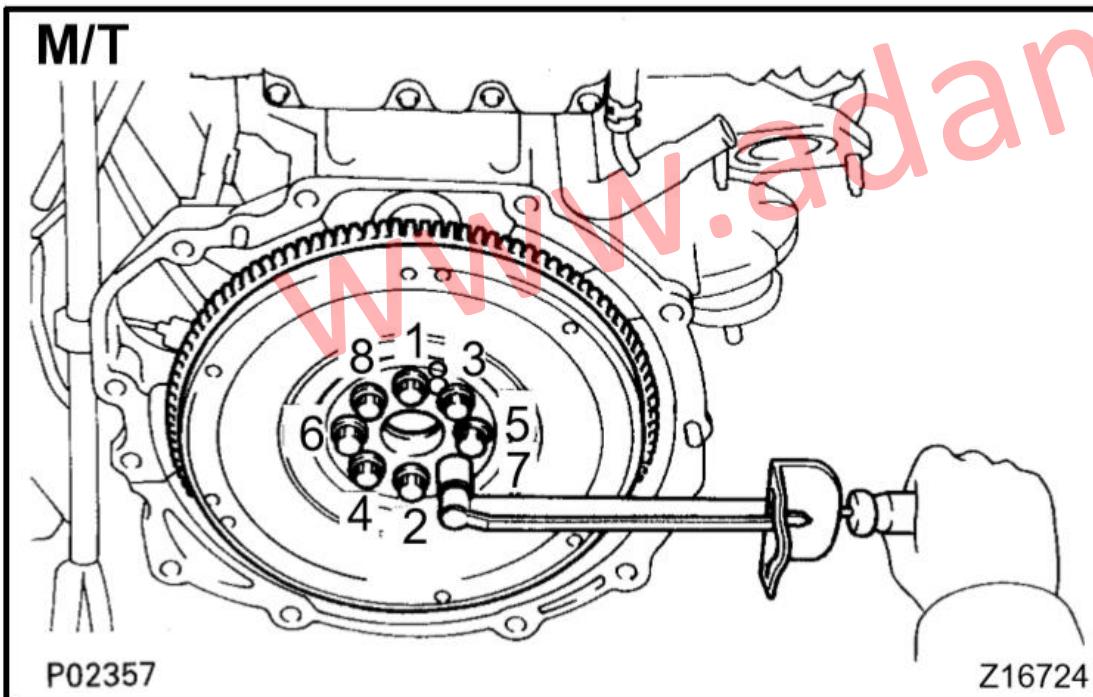
TO LONG BOLTS CAN BLOCK CRANKSHAFT.

-use lubricant SOFT thread locker

-first stage 49Nm

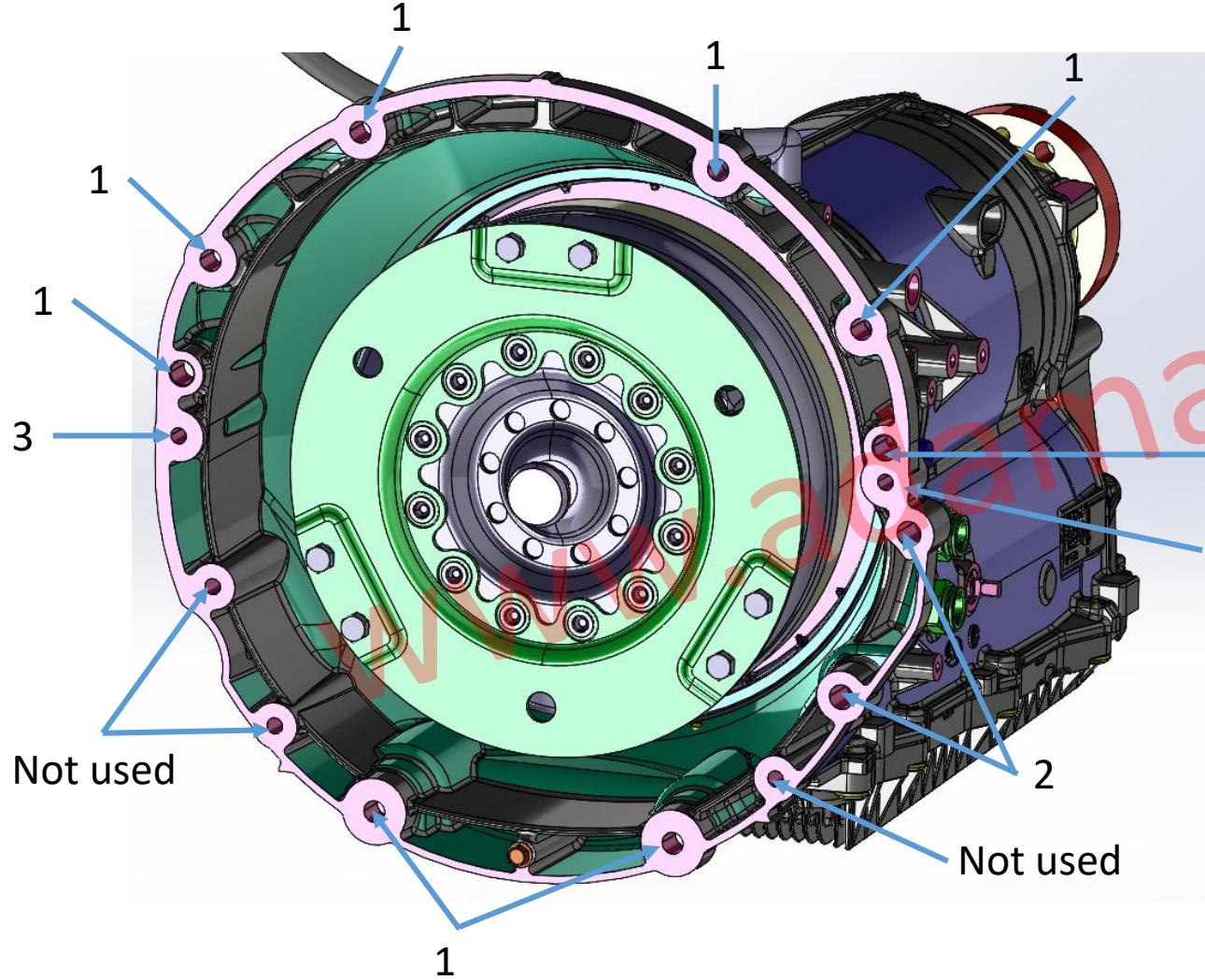
-Second stage 65Nm

-final stage 92Nm



7. Assy transmission with torque converter on engine.

Bolts chart.



No	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



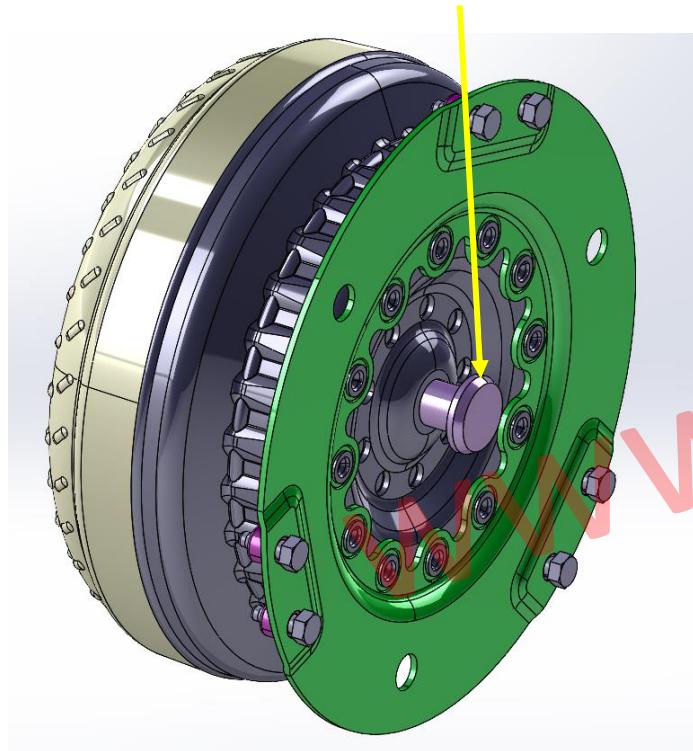
Depending on the production year of the transmission, there are two different converter shaft sizes:

-For older transmissions:

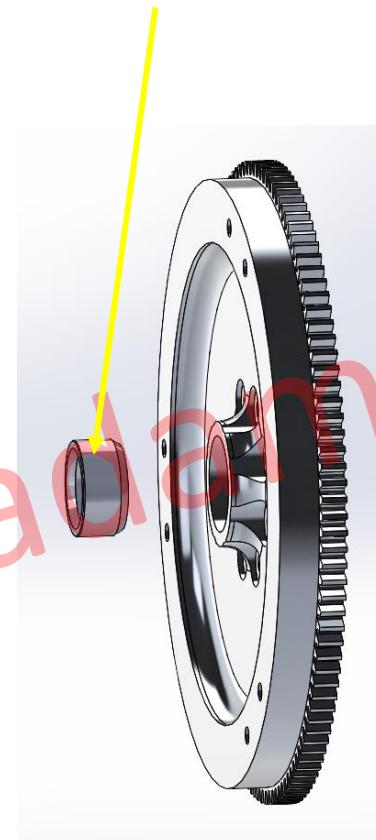
The converter shaft diameter is approximately 34mm.

-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 M8x35 screws, with a minimum grade of 10.9 and a final torque of 67Nm.

Use LOCTITE SOFT THREAD LOCKER adhesive.

