

Manual with instalation proces for engines 1UZ / 3UZ FEwith  
DODGE CHALLENGER / CHARGER / HELLCAT/  
ZF 8HP70 / 8HP90

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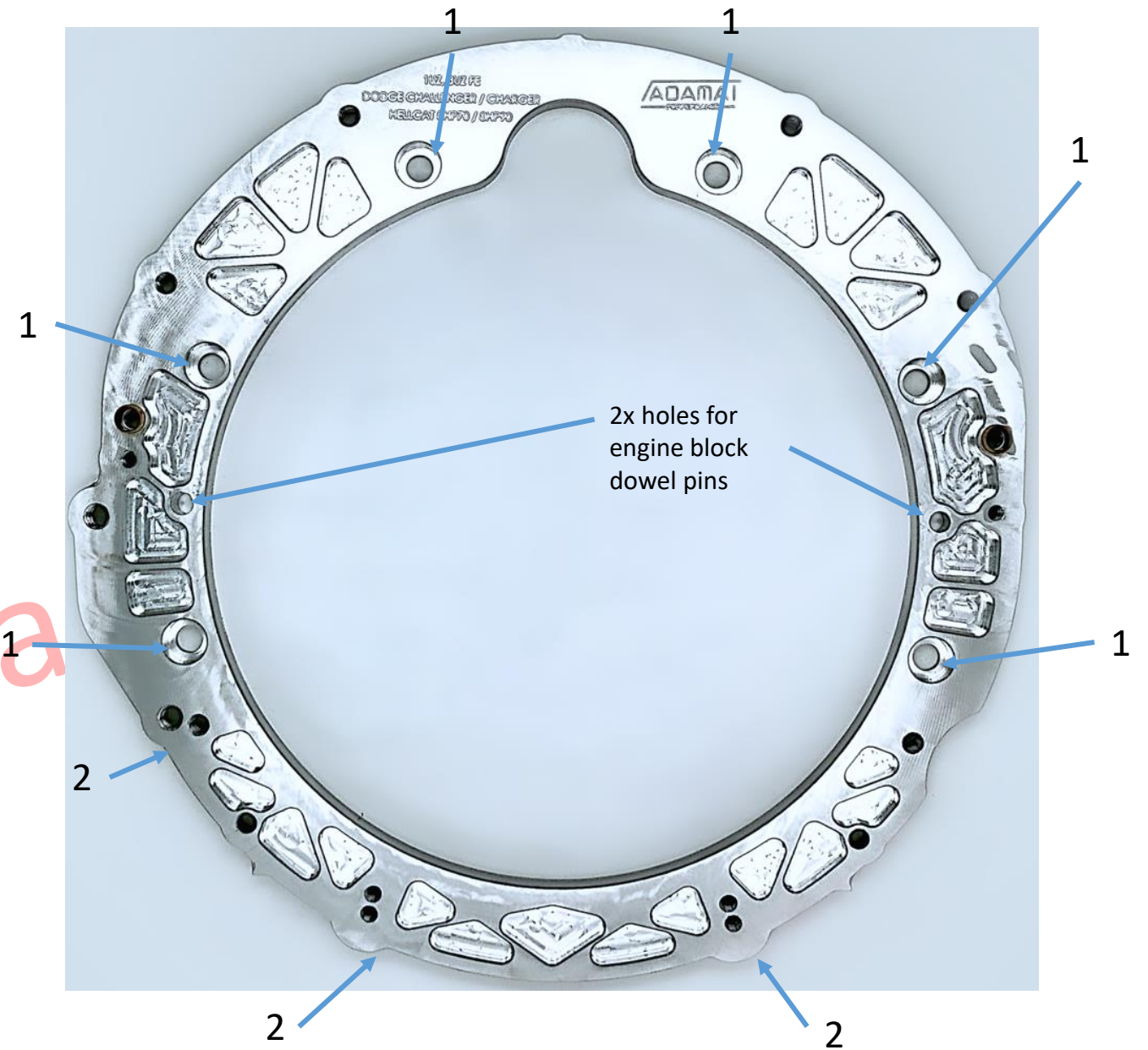
# 1. Adapter installation on engine

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

DIN961



DIN912



1UZ / 3UZ flywhell installation

**WE DONT USE UZ SHIM FROM AUTOMATIC TRANMISSION. MAIN FLYWHELL ASSEMBLED DIRECTLY TO CRANKSHAFT.**

**Torque for bolts from kit M10x1.25 12.9 class**

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

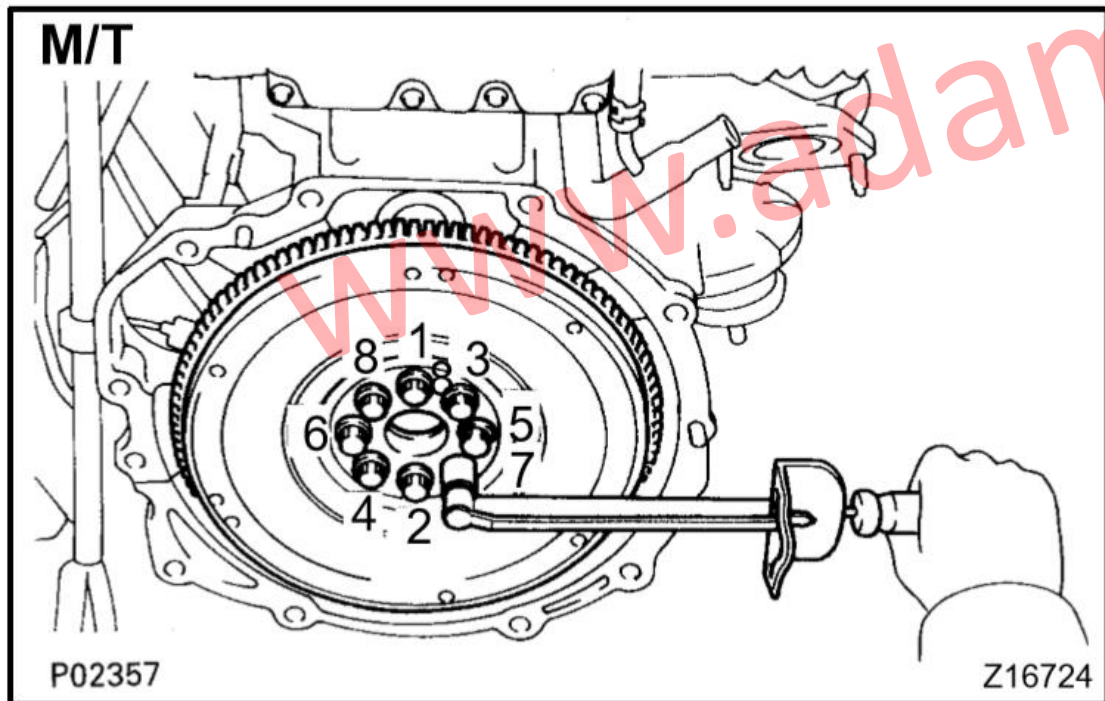
**TO LONG BOLTS CAN BLOCK CRANNKSHAFT.**

-use lubricant SOFT thread locker

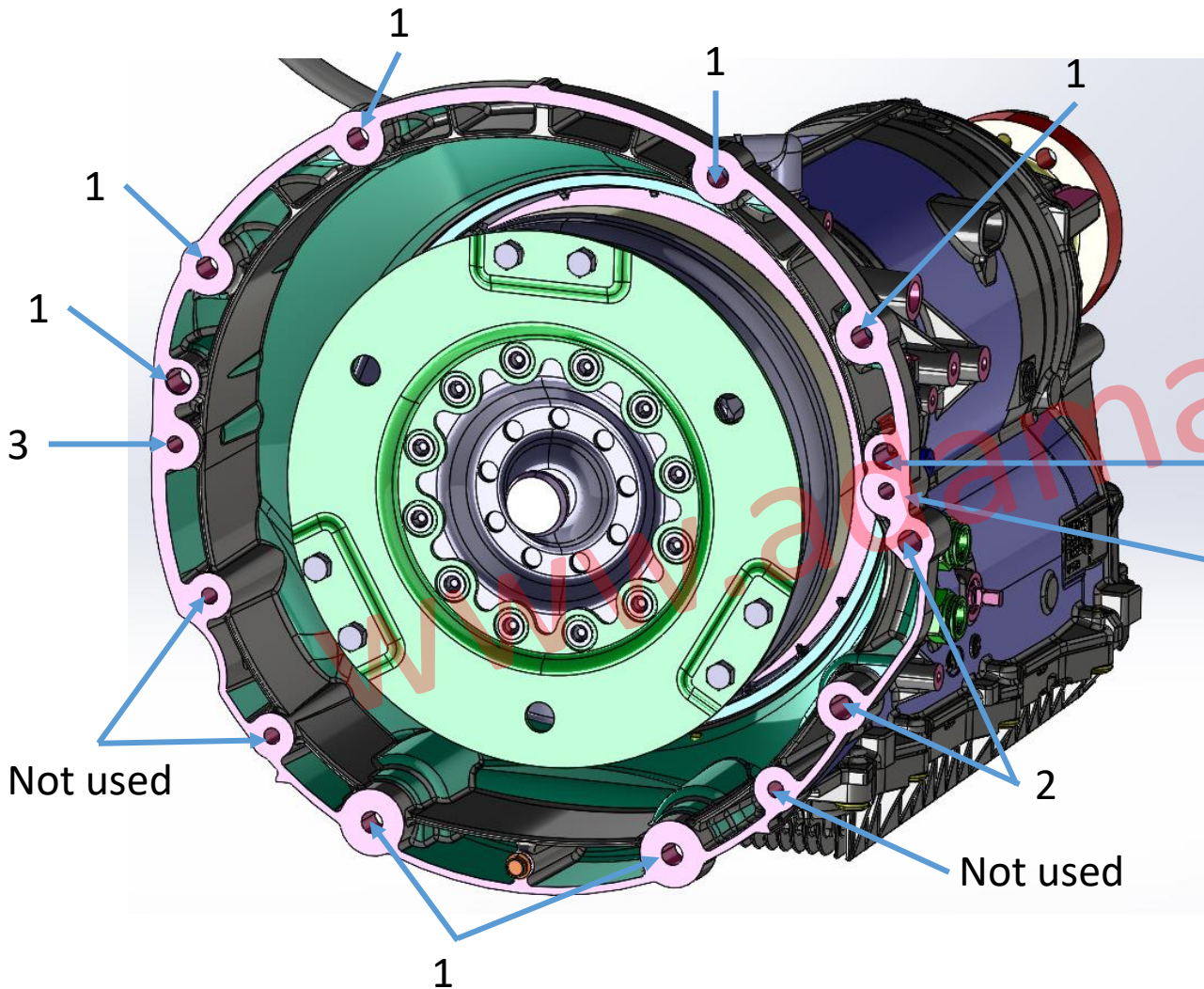
-first stage 49Nm

-Secound stage 65Nm

-final stage 92Nm



7. 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



Not used

Not used

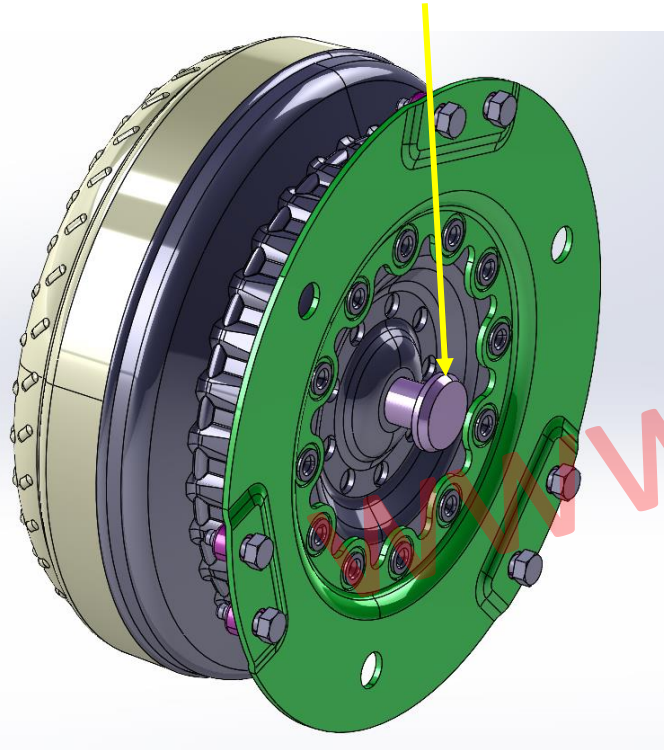
Depending on the production year of the transmission, there are two different converter shaft sizes:

-For older transmissions:

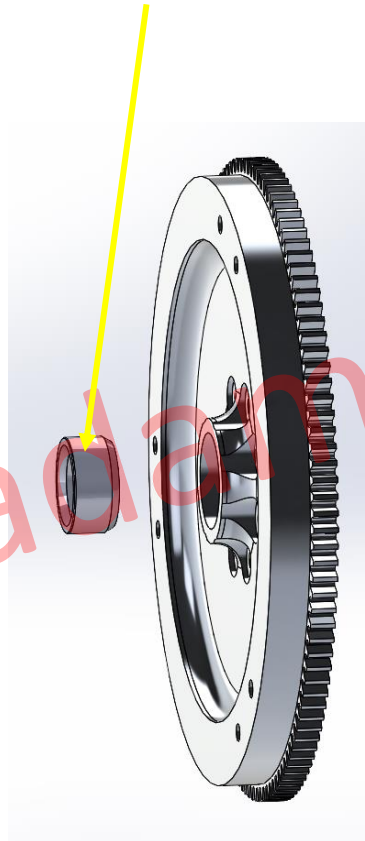
The converter shaft diameter is approximately 34mm.

-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.

