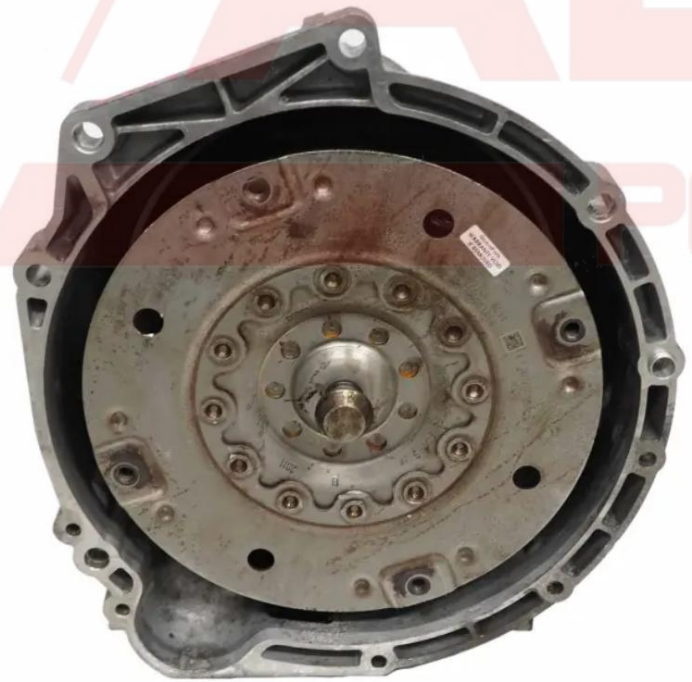


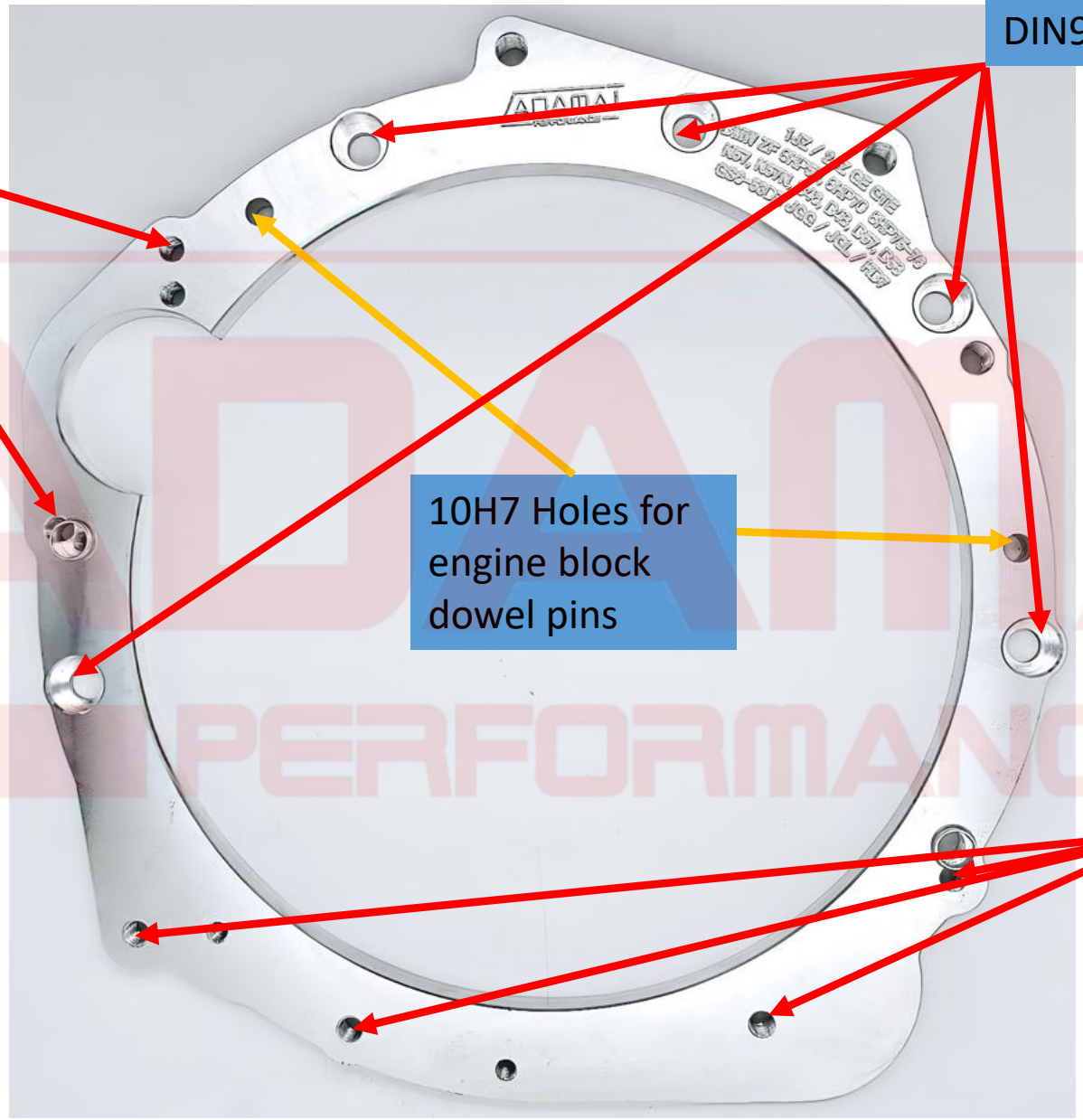
Manual with instalation proces Toyota JZ enignes with BMW ZF 8HP
Those kit are compatible with:

BMW ZF 8HP 8HP70 GA8HP70 BMW N57 N57N
BMW ZF 8HP 8HP75 GA8HP75X BMW N57 N57N
BMW ZF 8HP 8HP50 / 8HP50Z GA8HP50Z BMW BMW B58 B58B30
BMW ZF 8HP 8HP75Z GA8HP75Z / 8HP75 BMW B57 B57B30
BMW ZF 8HP 8HP51Z GA8HP51Z / 8HP51 BMW B48 B48B20
BMW ZF 8HP 8HP51Z GA8HP51Z / 8HP51 BMW B46 B46B20
BMW ZF 8HP 8HP45Z GA8HP45X BMW B47C/D20
BMW ZF 8HP 8HP45Z GA8HP45X BMW N47
All those tranmission have same belhausing style and
flat torque converter, 4-th and 6th bolts, PCD ~260.8 mm

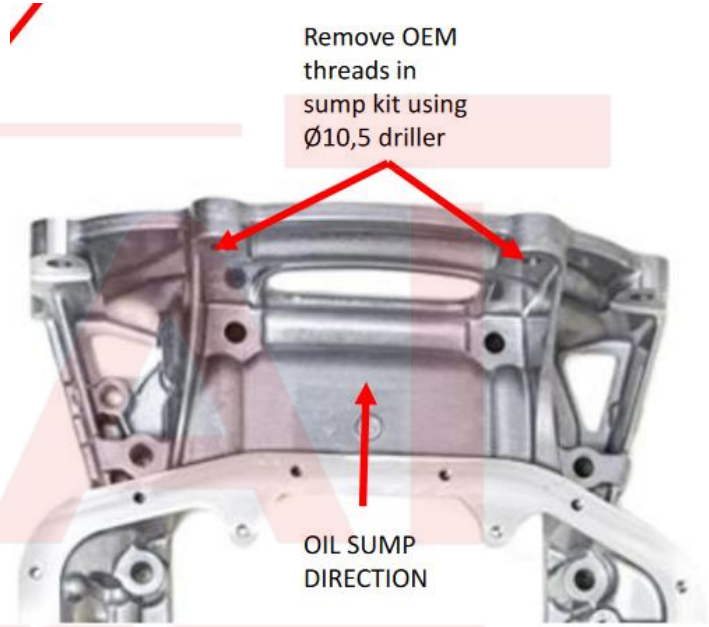
1. Adapter installation on engine

M10 holes for starter motor.
Use silver bolts DIN912 M10x65
See next page

Holes for black bolts DIN912 M12x1.25x25



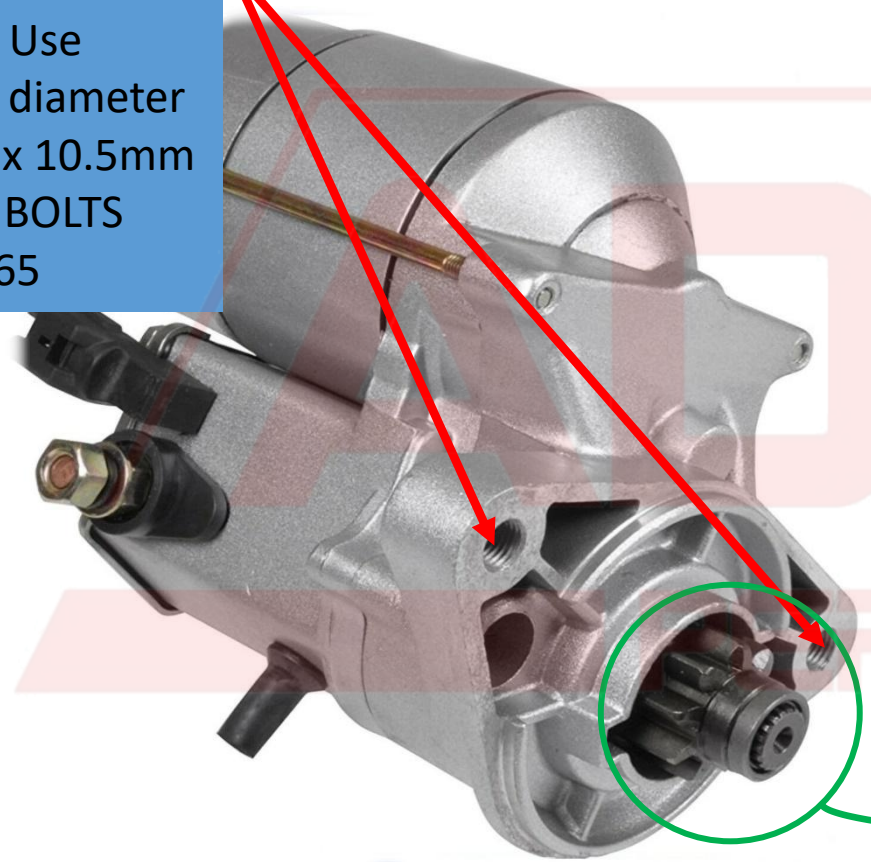
10H7 Holes for engine block dowel pins



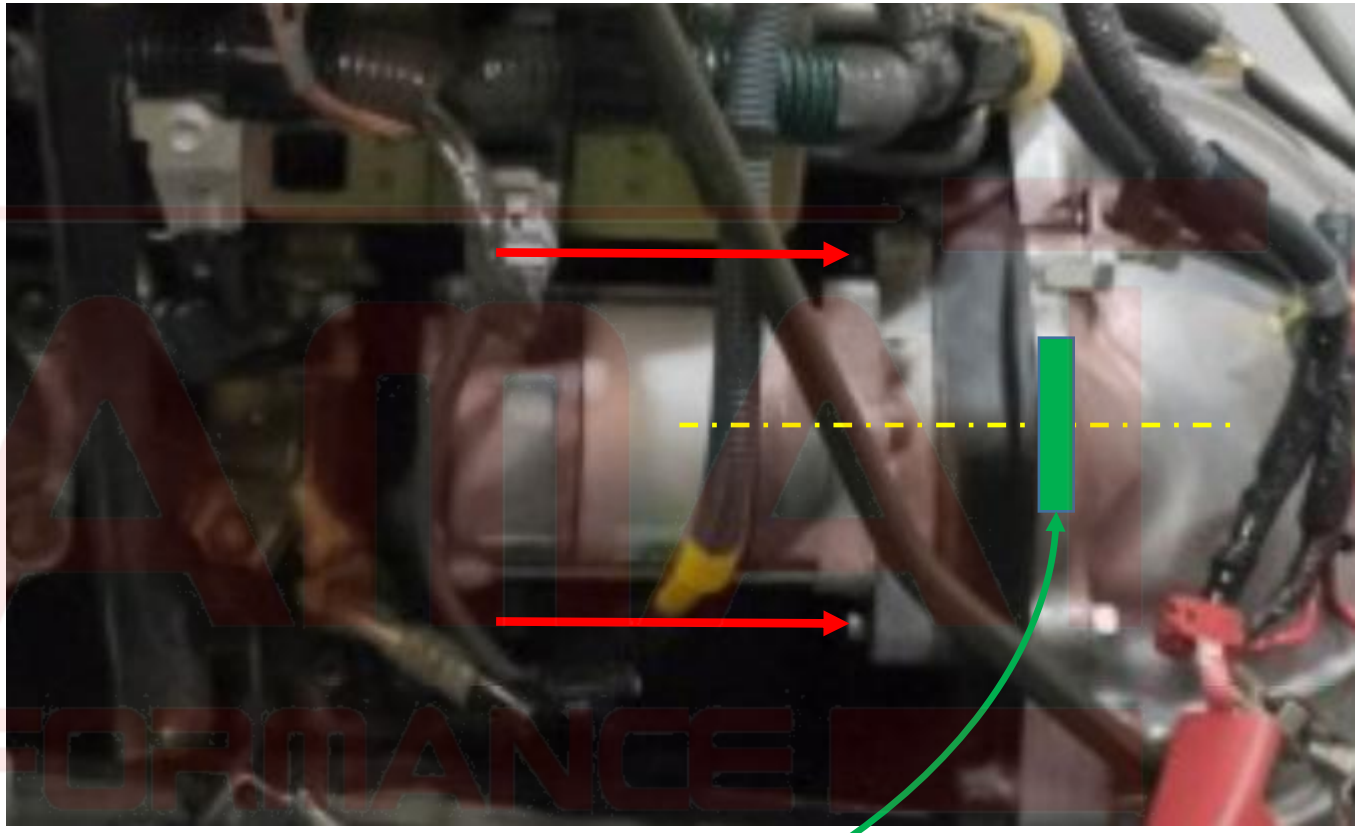
Holes for black bolts DIN912 M10x35 assy from sump direction

2. Starter motor installation on engine
Please check is your start motor will hit to tranmission case when engine idling

Remove thread from starter holes. Use driller diameter 10 max 10.5mm
USE 2 BOLTS M10x65



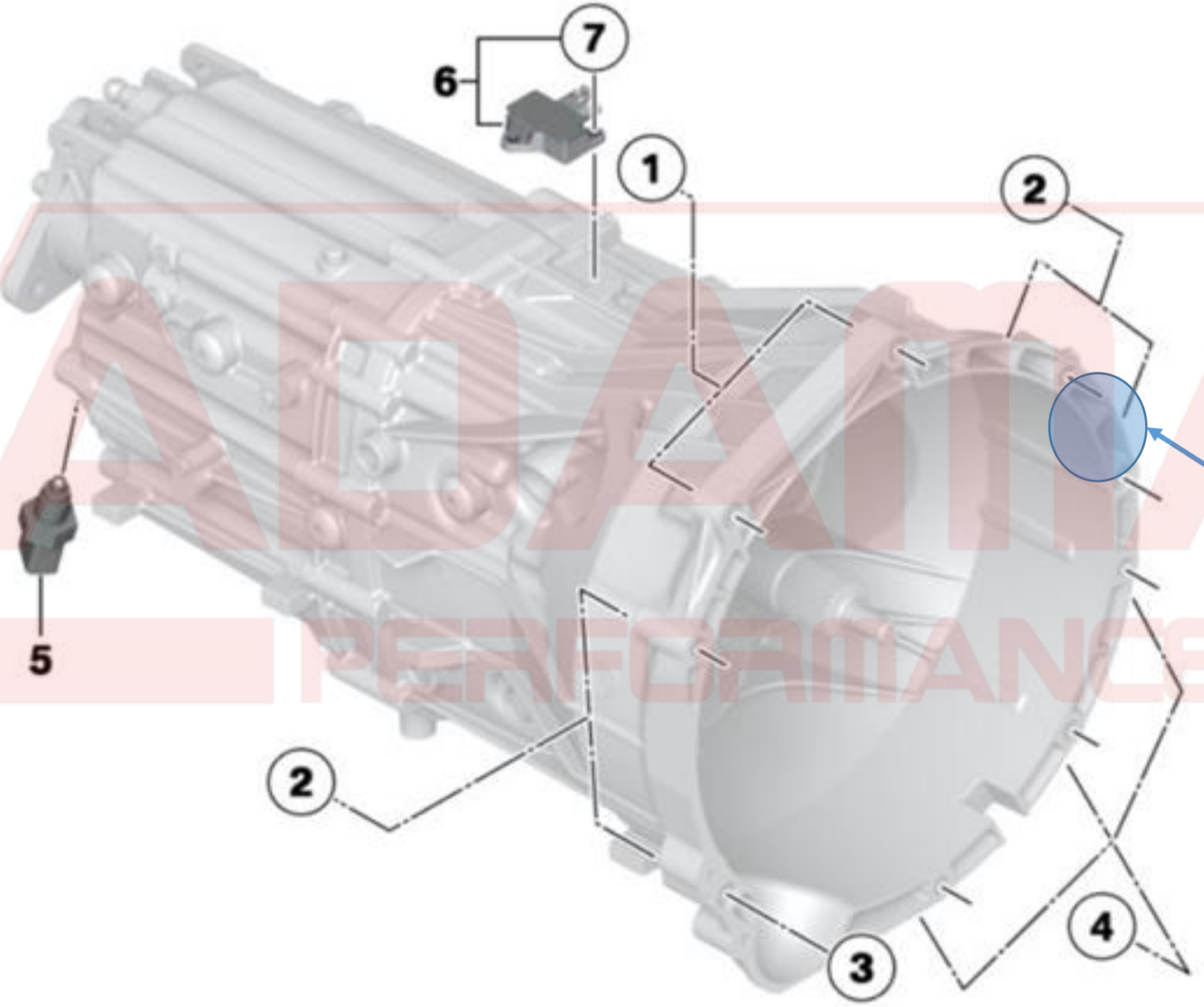
Bolts direction installation



Please make 5mm pocket in tranmission in starter gear whell axle to eliminate starter whell colision with transmission when engine start cranking.

Please ensure that starter motor gear whell dont touching flywhell starter ring.

3. Local modiffication in tranmission case.



Local modiffication needed for starter motor Hit elimination.
Assy adapter on tranmission and mark colision area.
Colision depends From starter motor manufacturing years.

4. 1JZ / 2JZ twin clutch flywhell instalation.

WE DONT USE JZ SHIM FROM AUTOMATIC TRANMISSION. Flywhell assy 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.

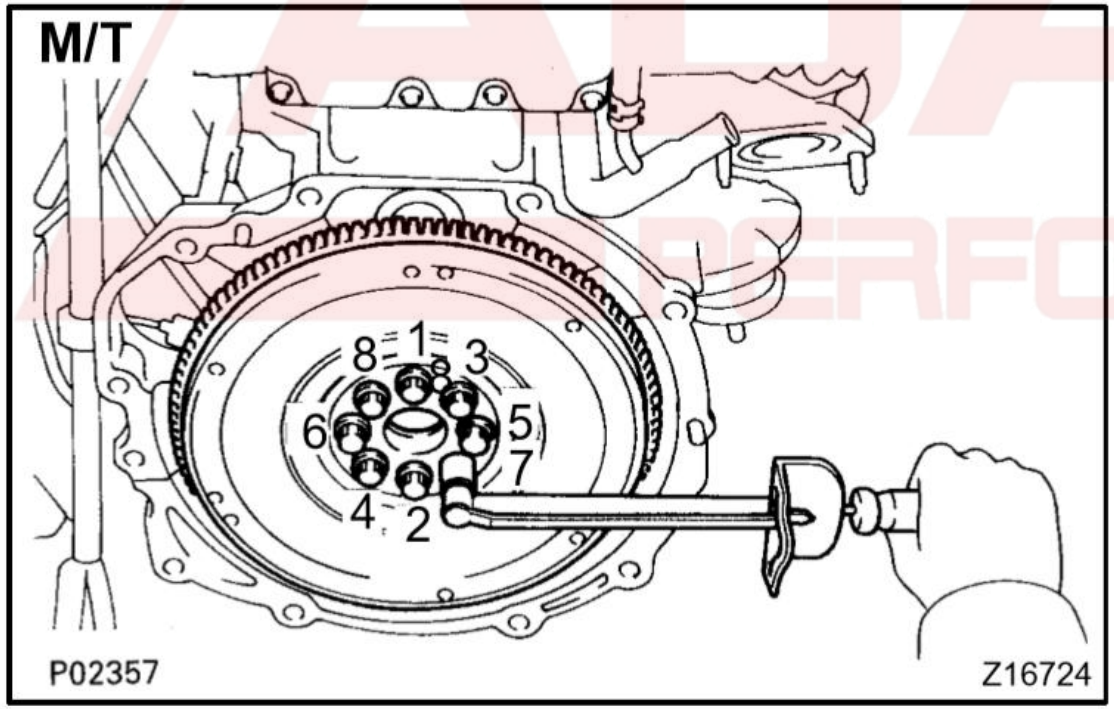
TO LONG BOLTS CAN BLOCK CRANNKSHAFT.

-use lubricant SOFT thread locker

-first stage 49Nm

-Secound stage 65Nm

-final stage 92Nm

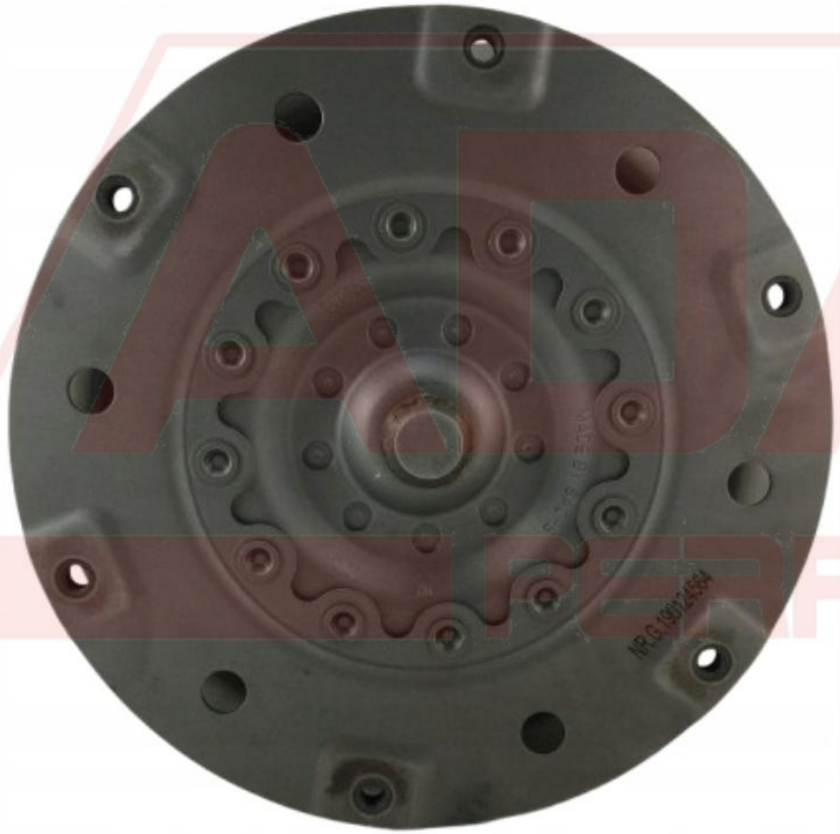


5. Assy transmission with torque converter on engine bolts chart.

No	Bolts type	Size	Qty
1	DIN912	M12x1,5x40	2
2	DIN912	M12x1,5x60 in dowel pin 14.5 two holes	2
3	DIN912	M10x60 + washers	1
4	DIN912	M8x45	2
5	DIN912	M8x60 + washer	1
	Dowel 14,5	Assembled in adapter plate	2

6A. Supported types TC

6 bolts, flate TC PCD ~260.8 mm



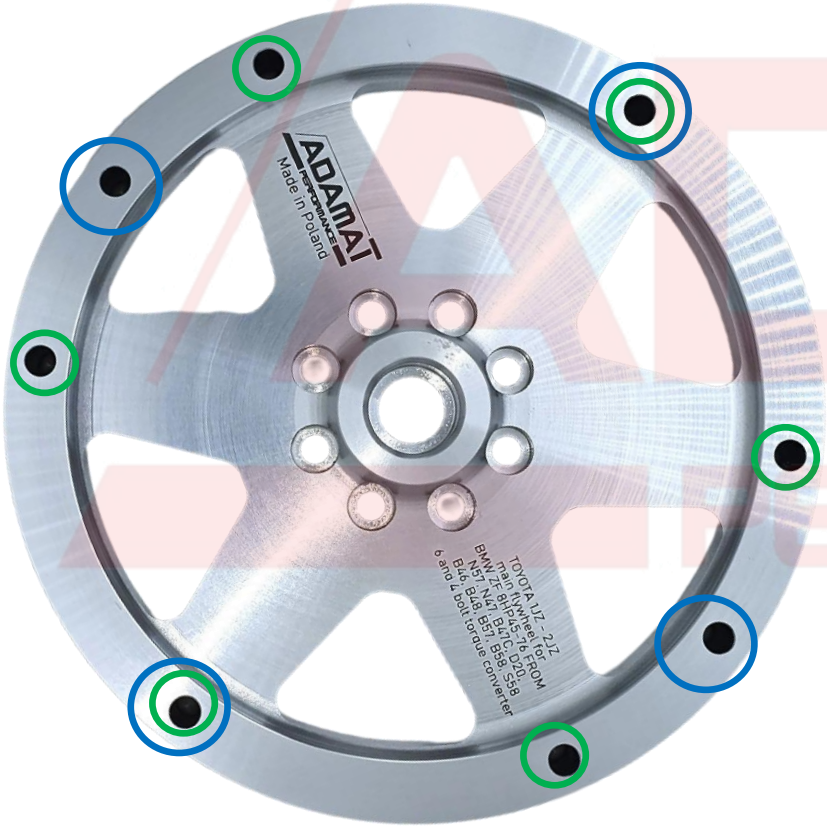
4 bolts, flate TC PCD ~260.8 mm

6B. Depends from TC in use are be those marked holes in flywheel.

6C. Assy transmission with torque converter on engine,
By acces hole in oil sump

Green holes used for 6-th bolts TC

Blue holes used for 4-th bolts TC



2 Torque for bolts from kit DIN912 M10x50 12.9class

-use graphite grase on threads.
-first stage 49Nm
-Secound stage 55Nm
-final stage 79Nm