

Manual with instalation process NISSAN VQ35HR / VQ37VHR engine  
with automatic BMW ZF 8HP

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List of compatibble tranmission

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

1. Adapter installation on engine

| No | Bolts type | Size                                           | Qty |
|----|------------|------------------------------------------------|-----|
| A  | DIN912     | M12x25                                         | 8   |
| B  | DIN912     | M10x25                                         | 4   |
| C  | DIN912     | M10x30 Starter motor installation from oposite | 2   |



DIN 912

A

A

A

A

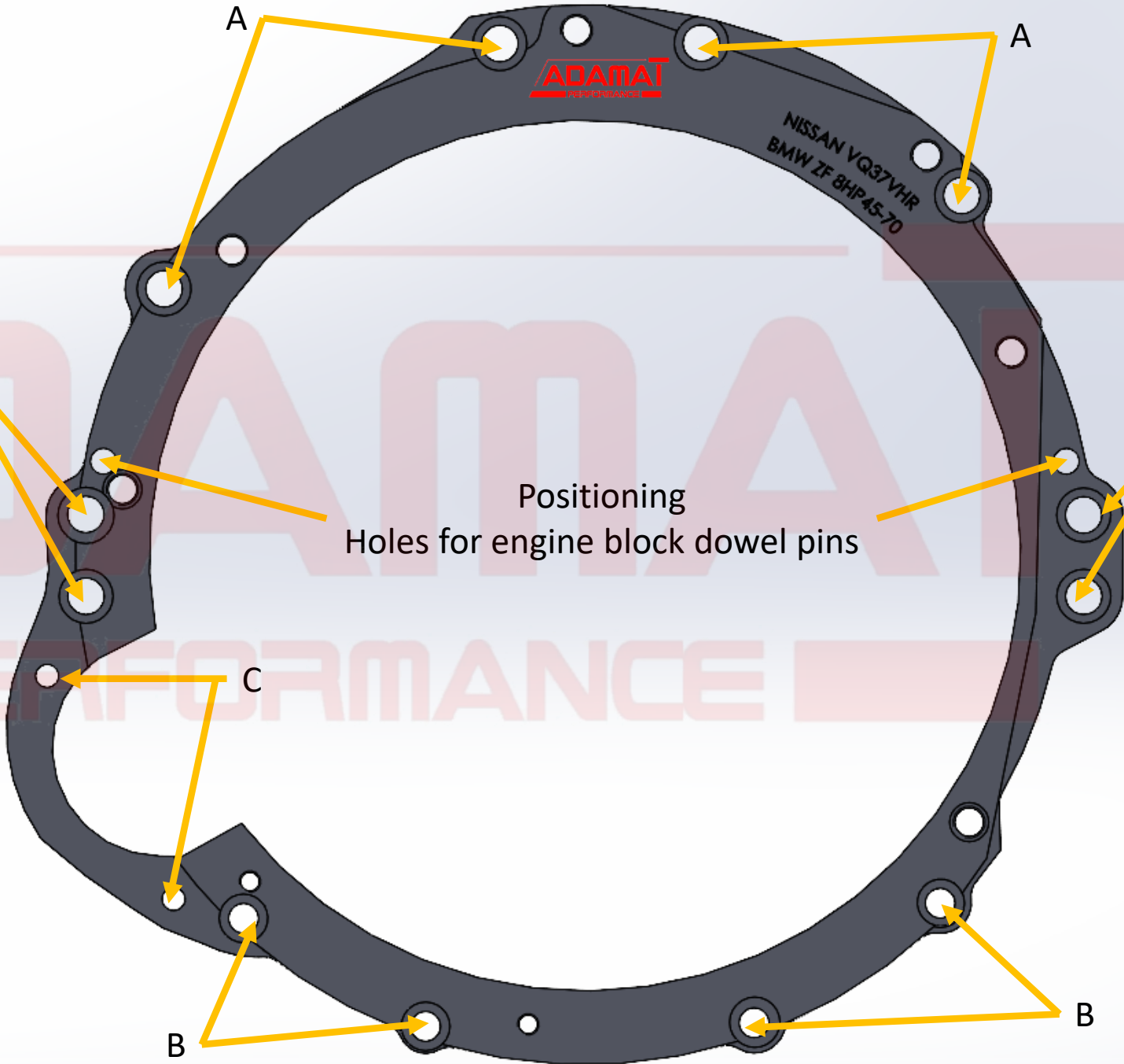
B

B

C

Positioning

Holes for engine block dowel pins



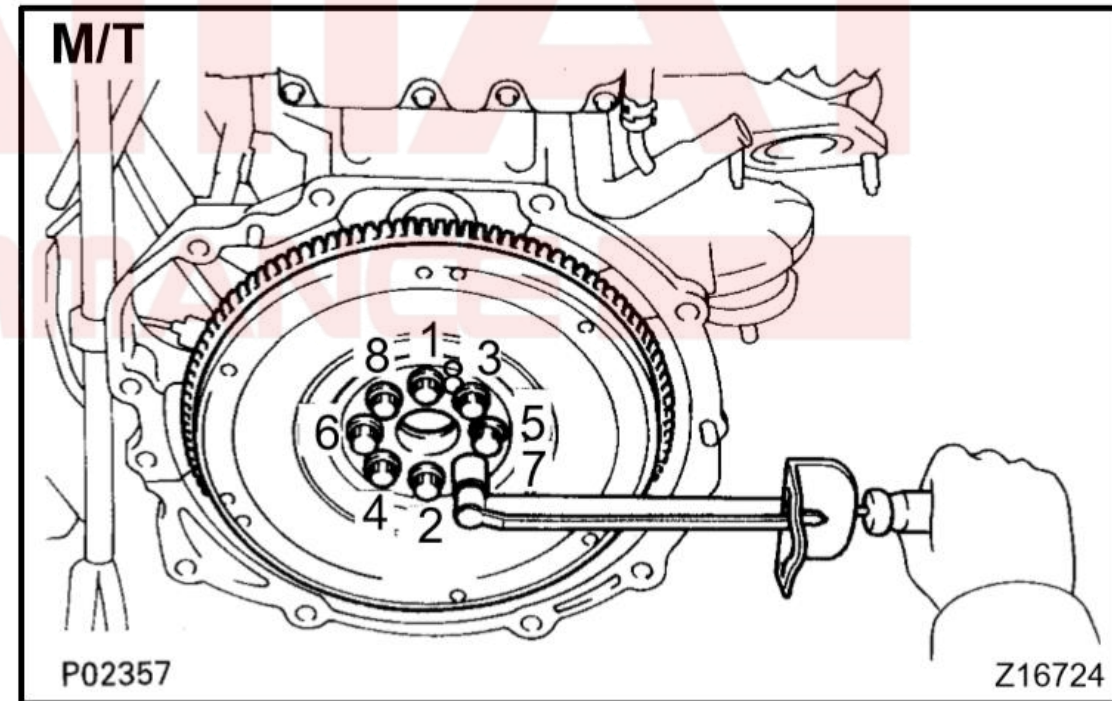
## 2. VQ37VHR flex plate instalation.

**FLEXPLATE NOT INCLUDED IN STANDARD KIT. OEM part number 12331-JK20A**

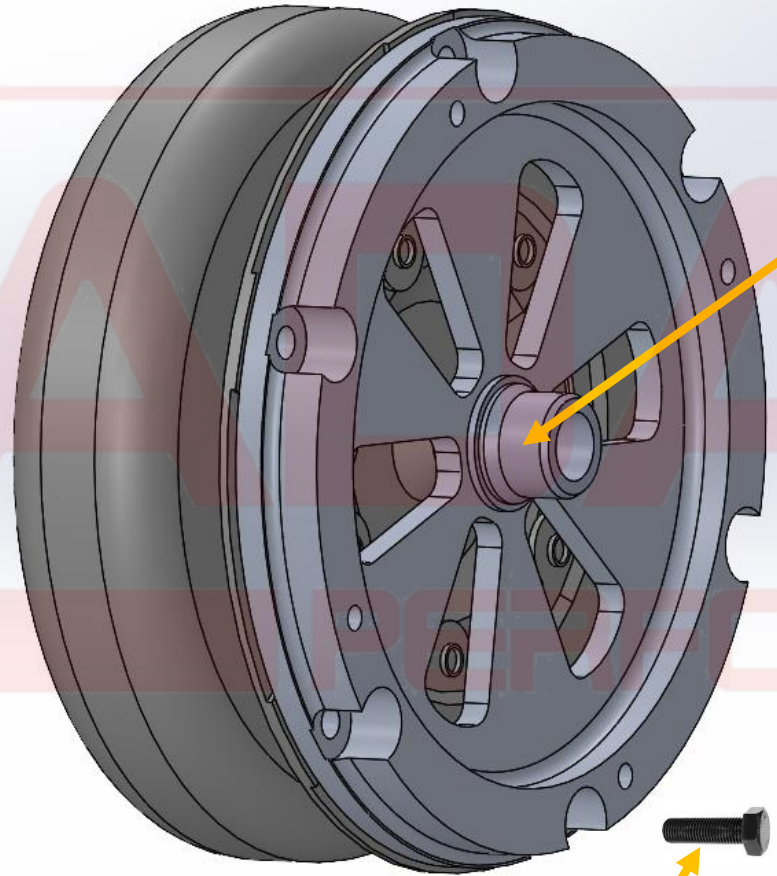
**Reinforcement flywhell installation together with OEM flexplate,**

**Torque for DIN912 M10x1x30 Bolts:**

- use lubricant SOFT thread locker
- first stage 49Nm
- Secound stage 65Nm
- final stage 95Nm



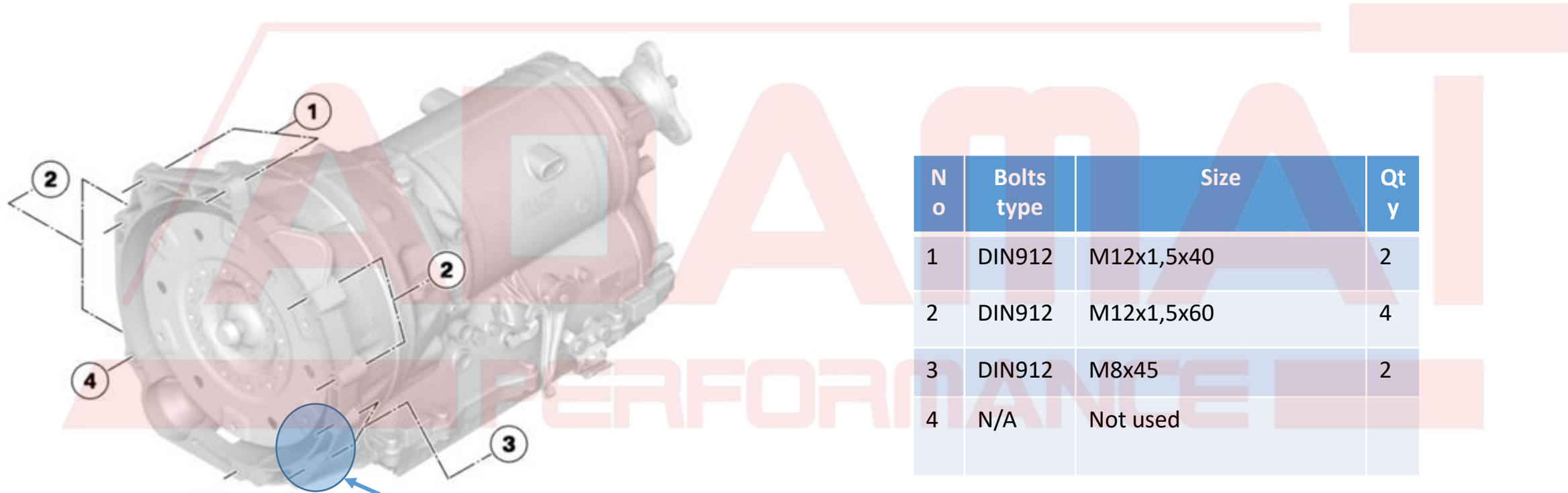
### 3. Torque adapter installation on converter.



Self center pin for torque  
converter with VQ37VHR  
crankshaft hole

6 bolts DIN 933 10.9 class  
M10x20, final torque 79Nm

4. Local modiffication in tranmission case.



Local modiffication  
needed for starter motor  
Area clearance.  
Assy adapter on  
tranmission and mark  
colision area

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

For torque converter please use  
pcs bolts as on chart .



4 bolts DIN 933 10.9 class  
M10x20 final torque 79Nm