

Proceed in the reverse order to removal.



Repair-10x03x03x04-01x37-1-80-1.xml



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CRANKSHAFT SEAL, GEARBOX END: REMOVAL - REFITTING



Note, one or more warnings are present in this procedure



Special tooling required

Crankshaft seal fitting tool (flywheel end)

Mot. 1919



parts always to be replaced:



[Crankshaft seal on gearbox end](#)

Location and specifications (tightening torques, parts always to be replaced, etc.) [\(see 10A, Engine and cylinder block assembly, Cylinder block assembly: Exploded view\)](#) .

REMOVAL

1. REMOVAL PREPARATION OPERATION



Position the vehicle on a two-post lift [Vehicle: Towing and lifting](#) .

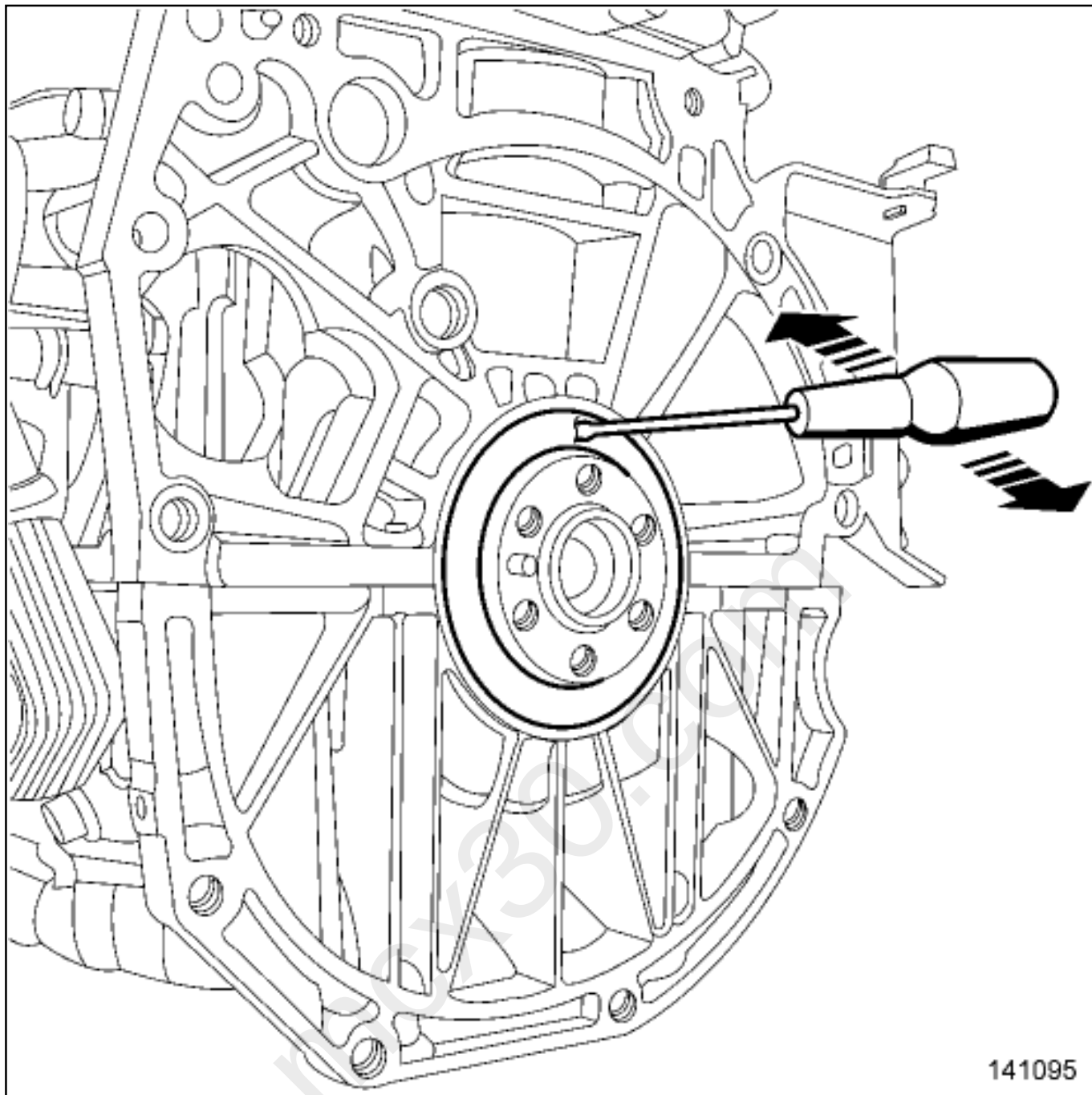


Remove the automatic gearbox [\(see 23A, Automatic gearbox , Automatic gearbox: Removal - Refitting\)](#) .



Remove the engine flywheel [\(see 10A, Engine and cylinder block assembly, Cylinder block assembly: Exploded view\)](#) .

2. REMOVAL OPERATION



Note:



Take care not to damage the mating face of the crankshaft seal on the crankshaft and the crankshaft seal housing on the cylinder block when removing the seal.

Carefully insert a flat-blade screwdriver in the crankshaft seal on gearbox end using a mallet.

Remove the crankshaft seal on gearbox end([see 10A, Engine and cylinder block assembly, Cylinder block assembly: Exploded view](#)) using a flat-blade screwdriver.

REFITTING

1. REFITTING PREPARATION OPERATION



parts always to be replaced:

[Crankshaft seal on gearbox end](#)



CAUTION

To ensure proper sealing, the gasket surfaces must be clean, dry and not greasy (avoid any finger marks).



Use surface cleaner [Vehicle: Parts and consumables for the repair](#) to clean and degrease:

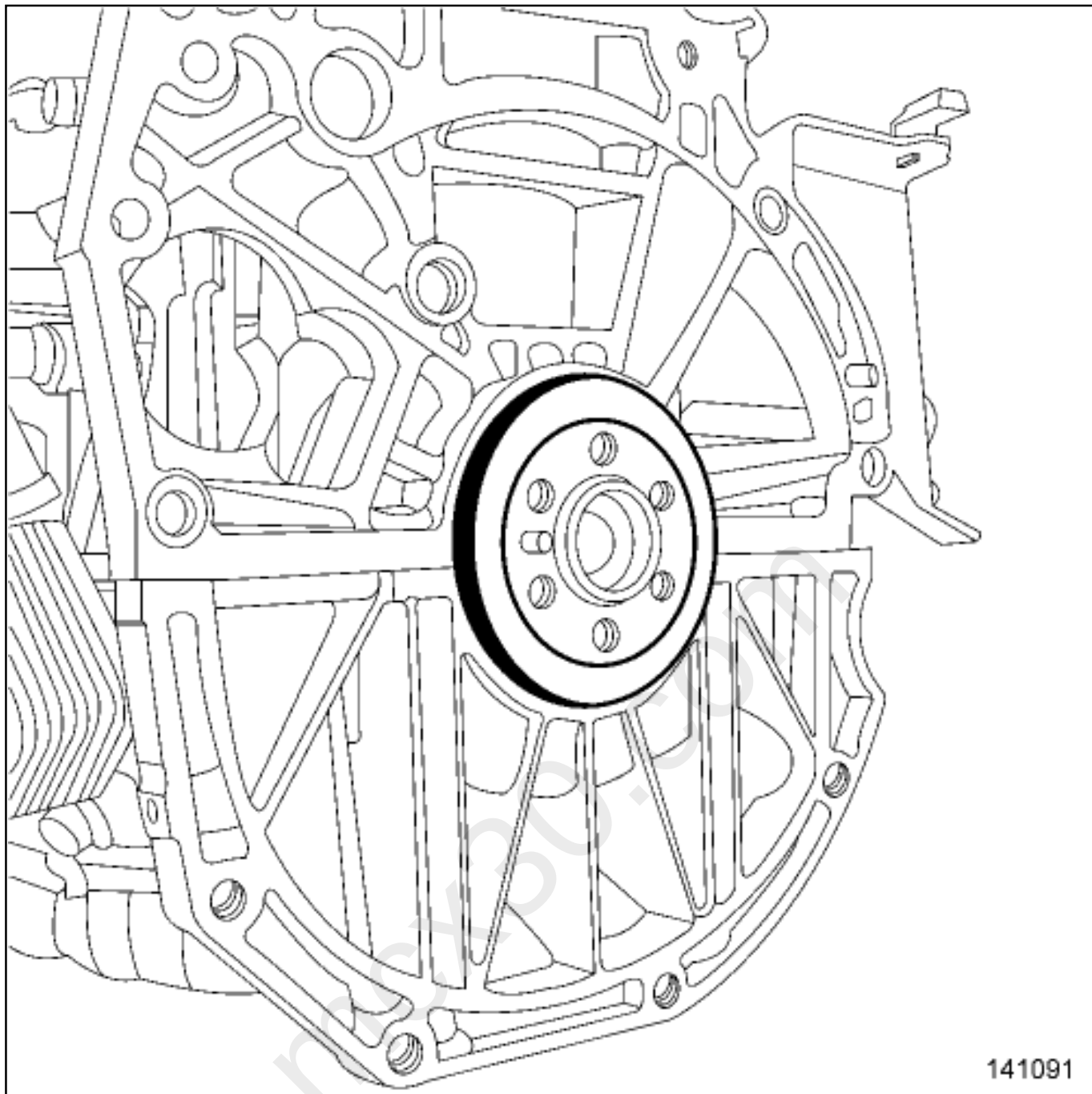


the seal mating face on the crankshaft,



the seal housing on the cylinder block.

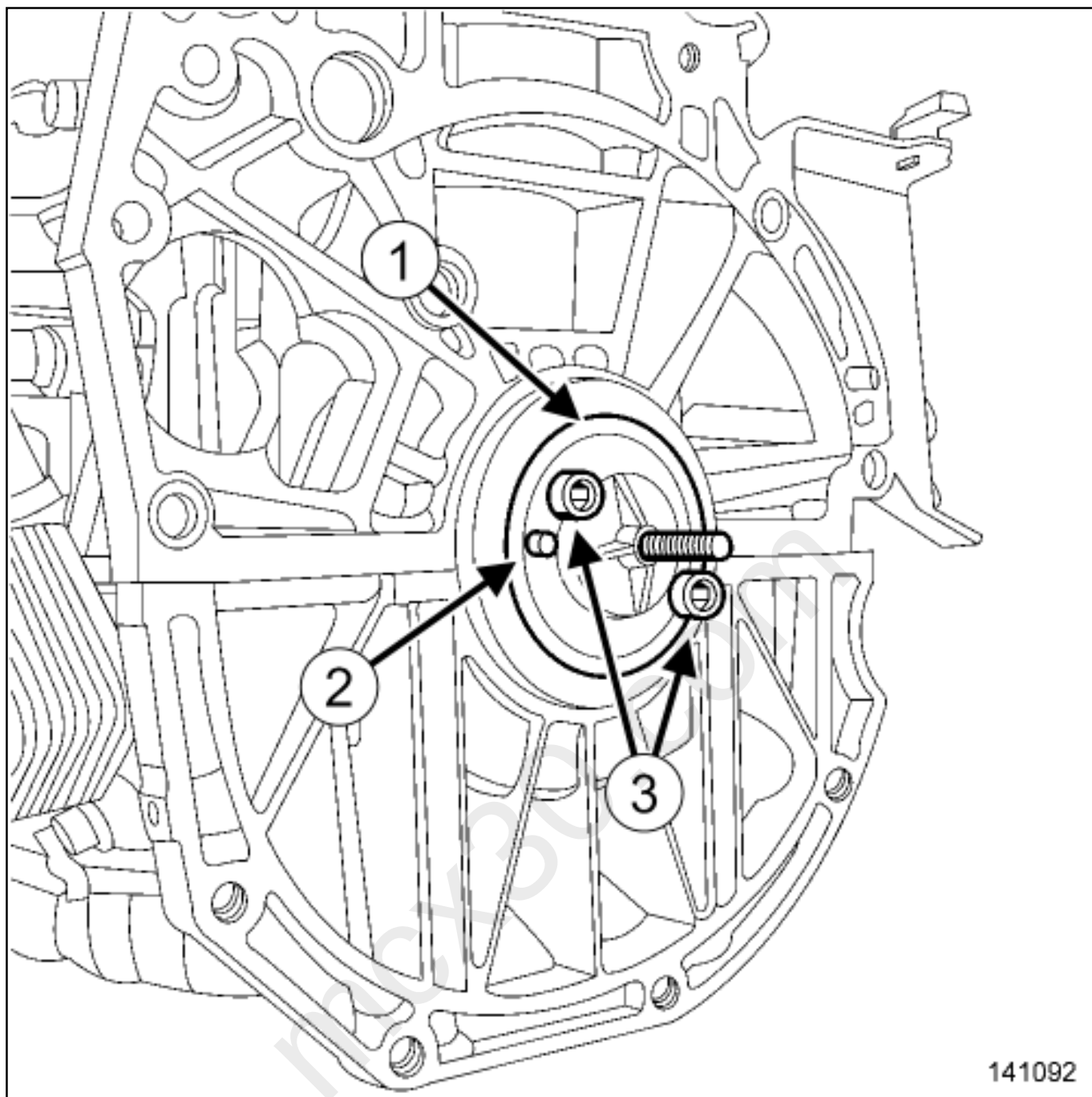
2. REFITTING OPERATION



141091



Refit a new crankshaft seal on gearbox end([see 10A, Engine and cylinder block assembly, Cylinder block assembly: Exploded view](#)) .



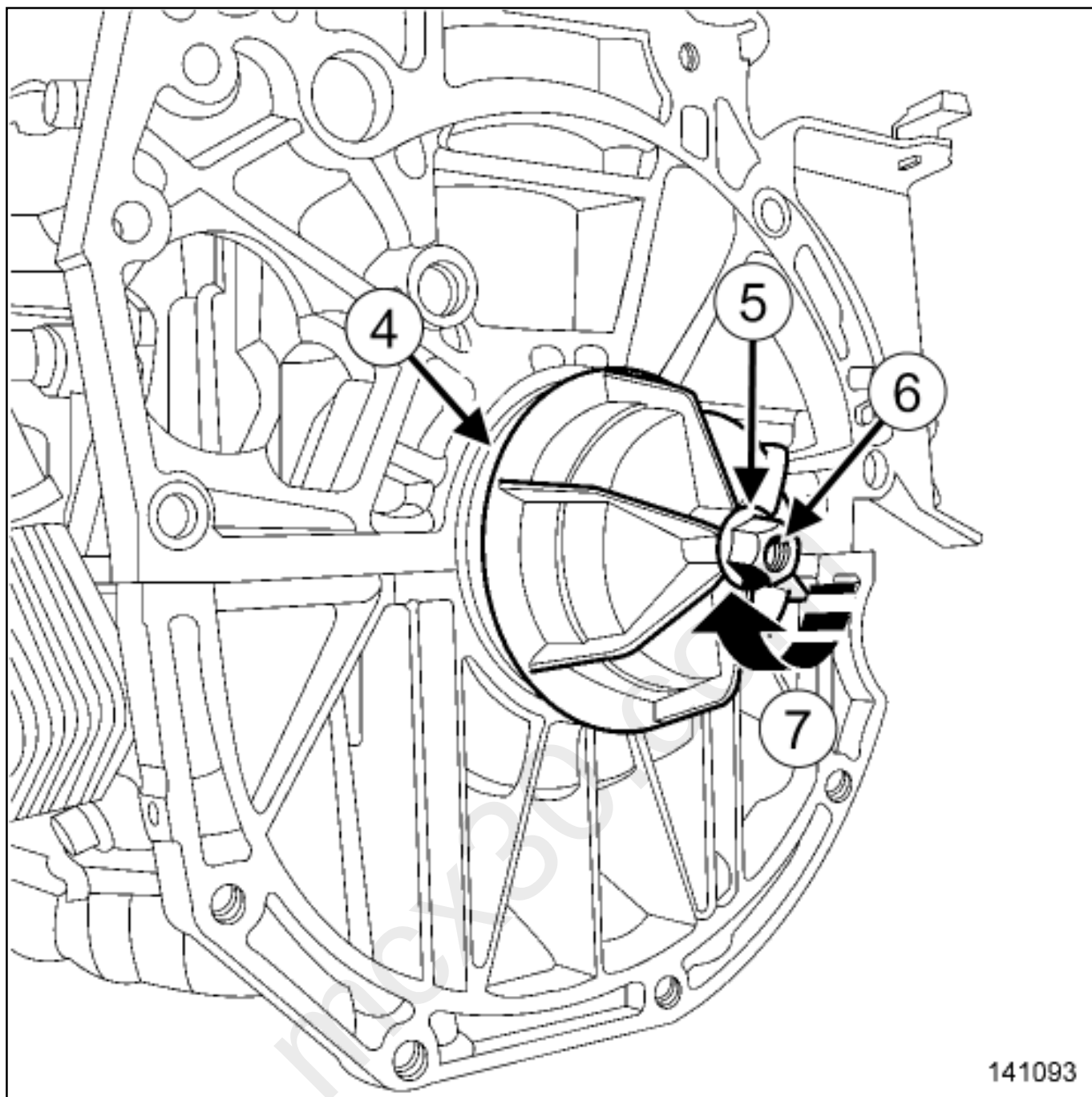
141092



Fit the centring device(1) of the toolCrankshaft seal fitting tool (flywheel end)(Mot. 1919) on the crankshaft by positioning it on the pin(2) .



Refit two flywheel bolts(3) on the centring device of the toolCrankshaft seal fitting tool (flywheel end) (Mot. 1919) .

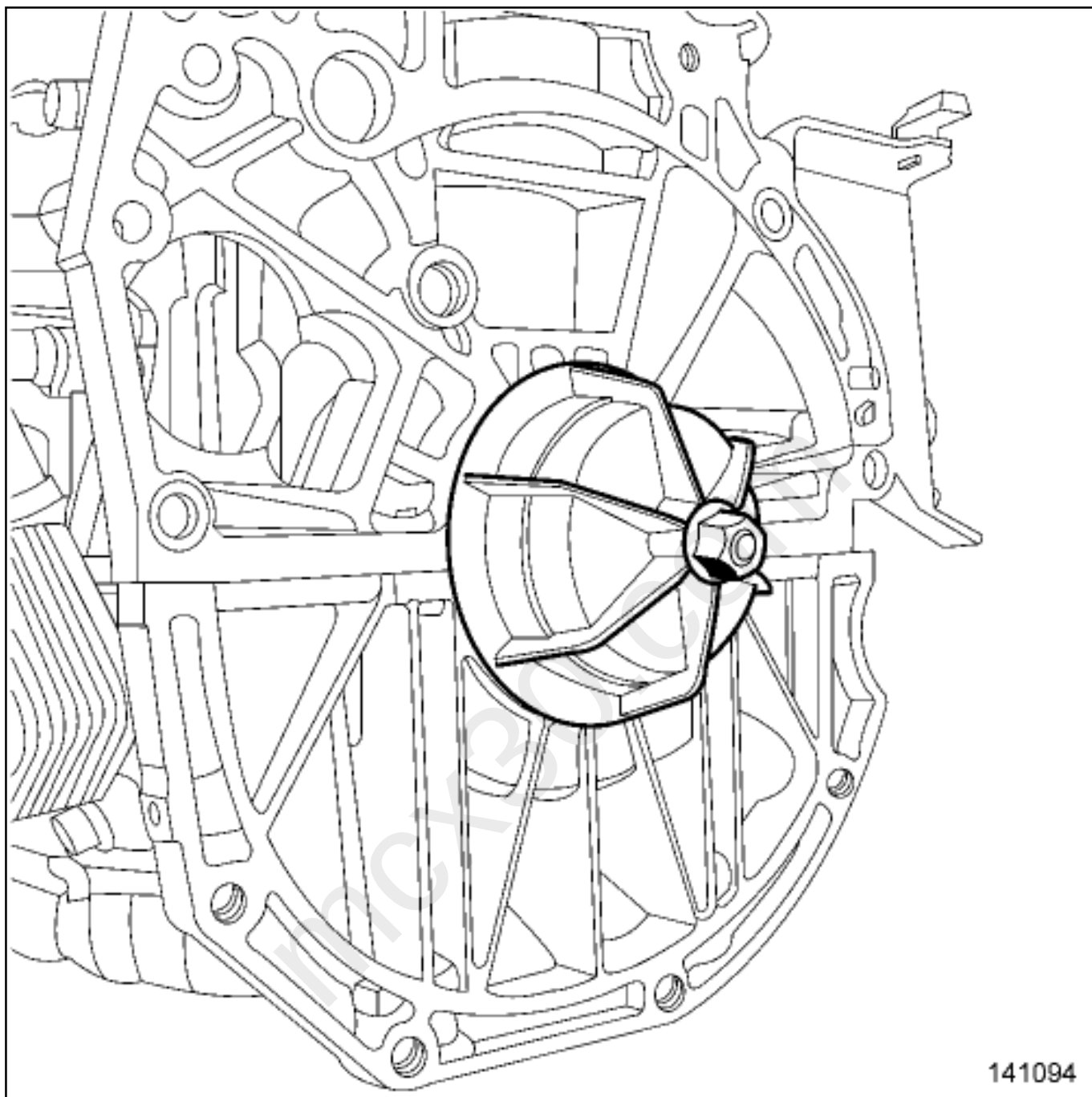


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Fit:

- the cover(4) of the toolCrankshaft seal fitting tool (flywheel end)([Mot. 1919](#)) ,
- the washer(5) ,
- the nut(6) .

Tighten the nut clockwise(7) until the cover touches the cylinder block.



Remove:



the nut,



the washer,



the cover of the toolCrankshaft seal fitting tool (flywheel end)([Mot. 1919](#)) ,