

the flywheel bolts,

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

3. FINAL OPERATION

Proceed in the reverse order to removal.



[Repair-10x03x03x05-01x37-1-76-1.xml](#)



XSL version : 3.02 du 22/07/11

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](#) .

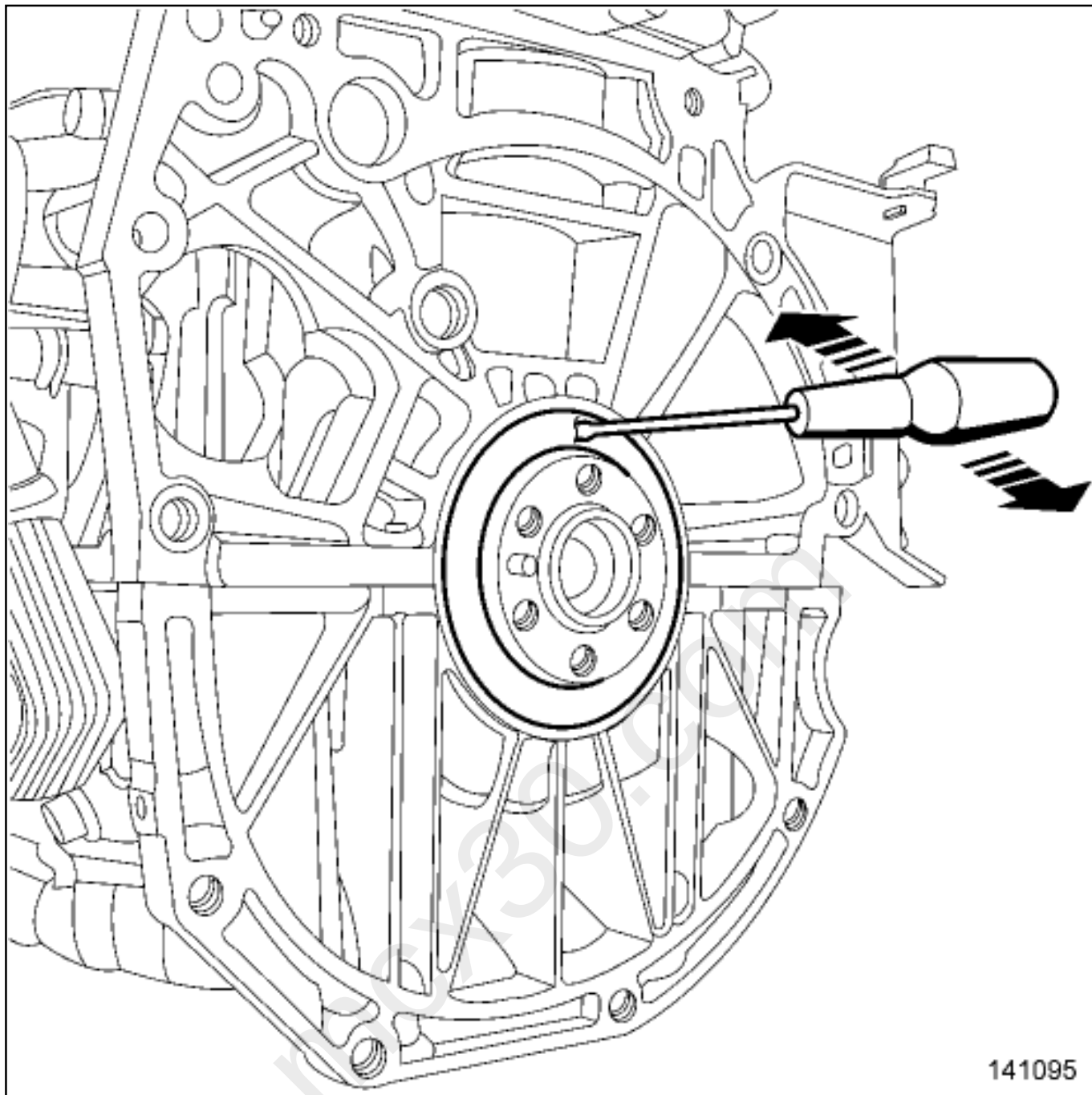


Remove the automatic gearbox [Automatic gearbox: Removal - Refitting](#) .



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:

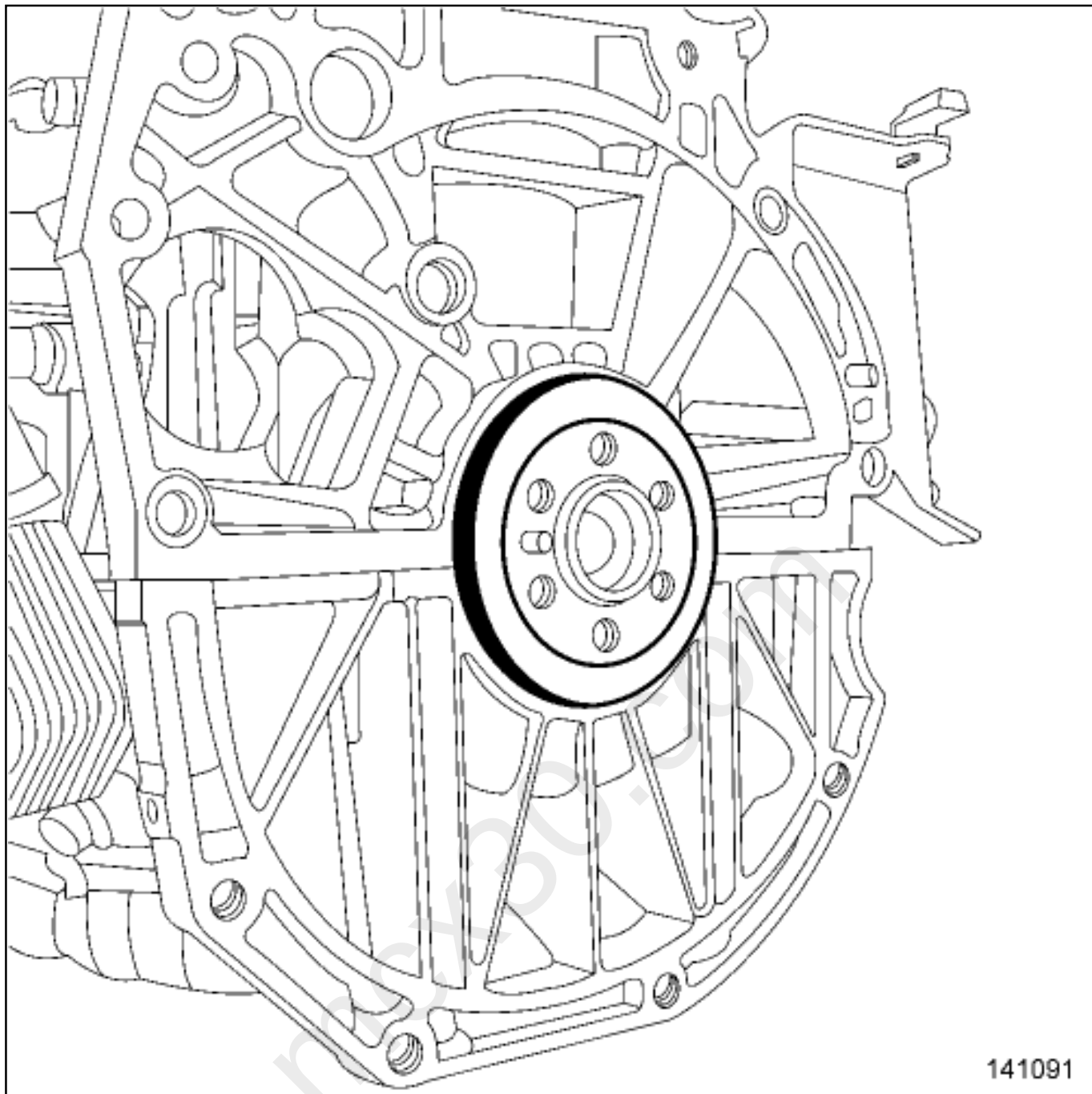


the seal mating face on the crankshaft,



the seal housing on the cylinder block.

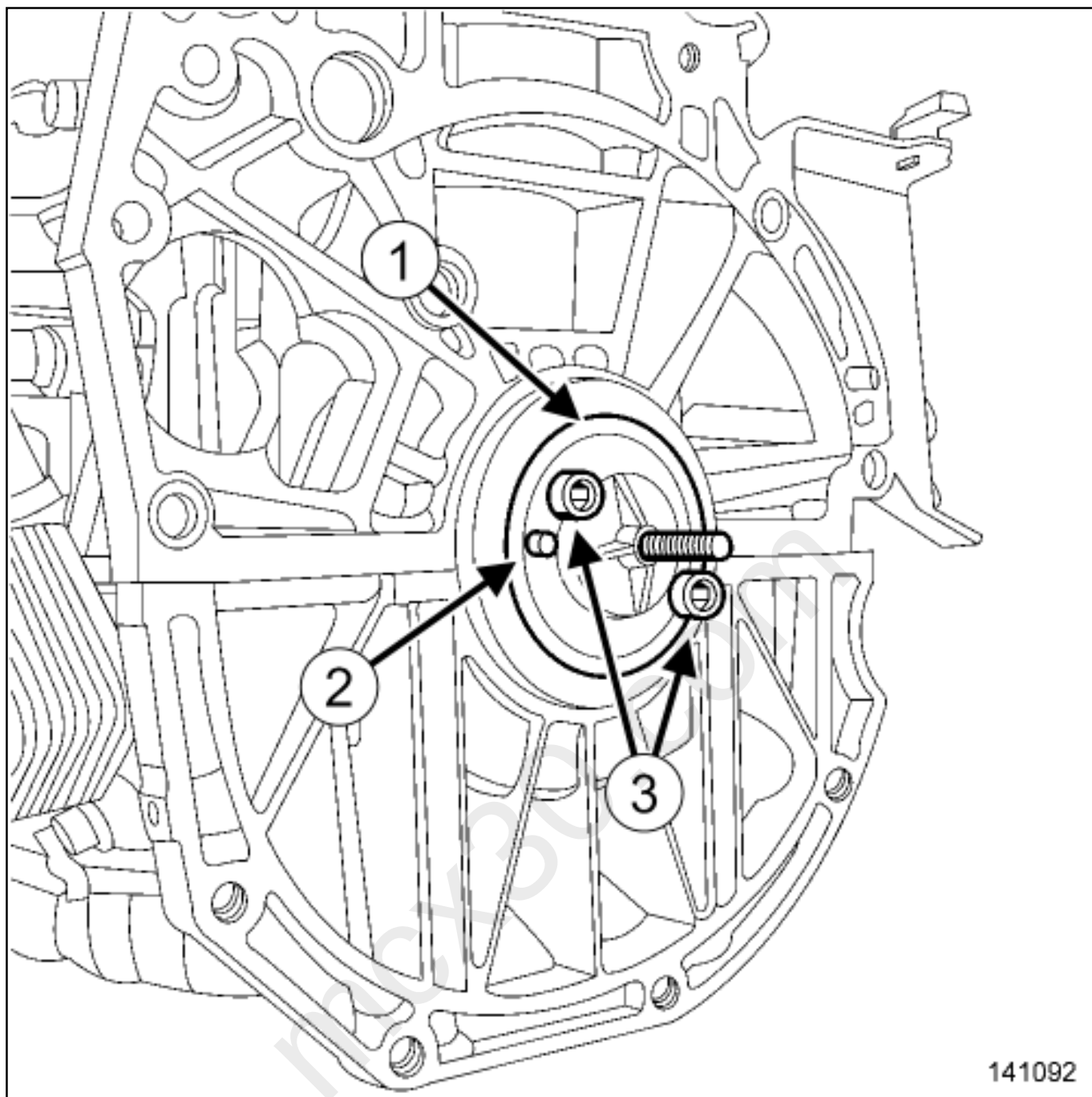
2. REFITTING OPERATION



141091



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



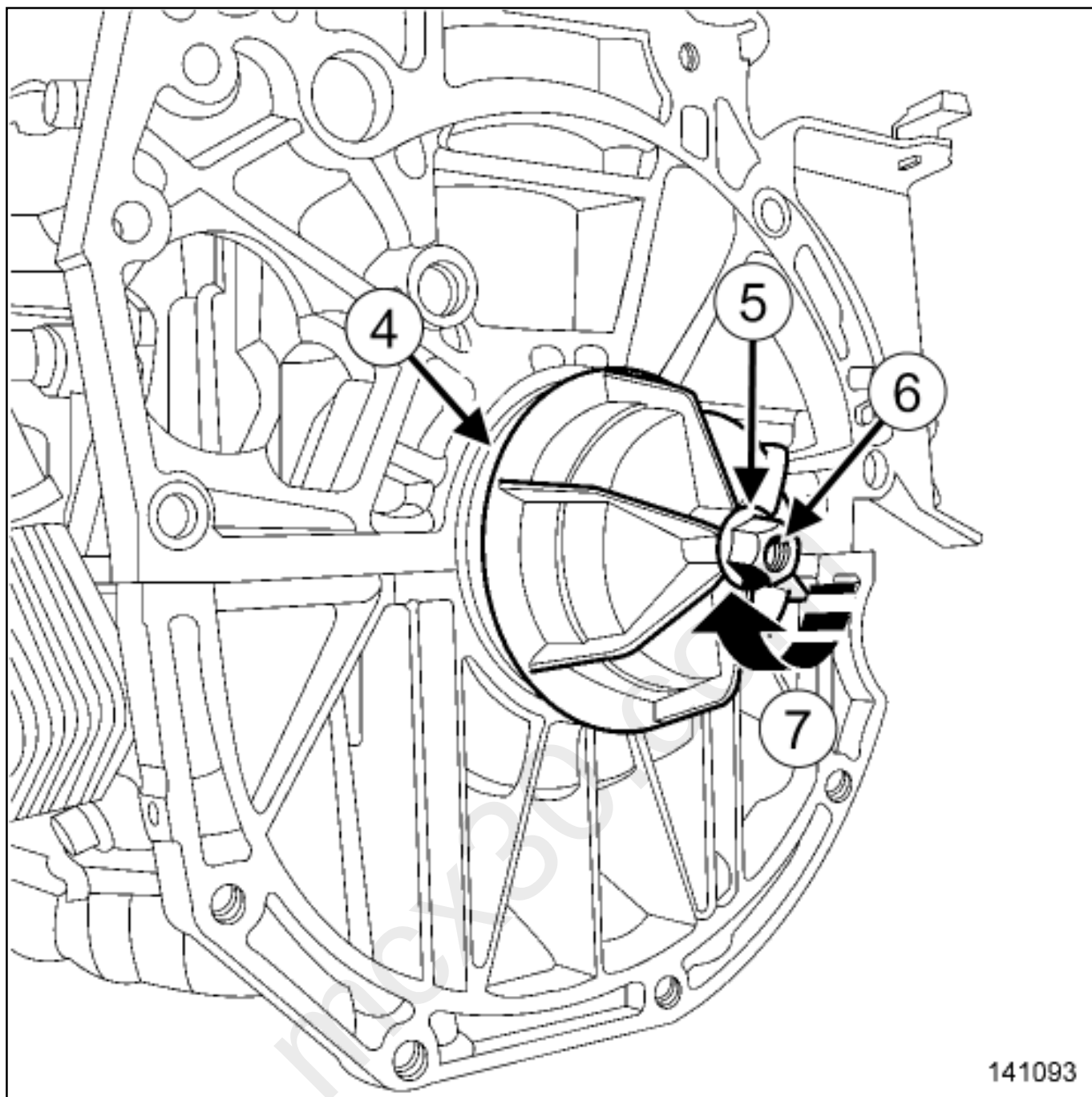
141092



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) .



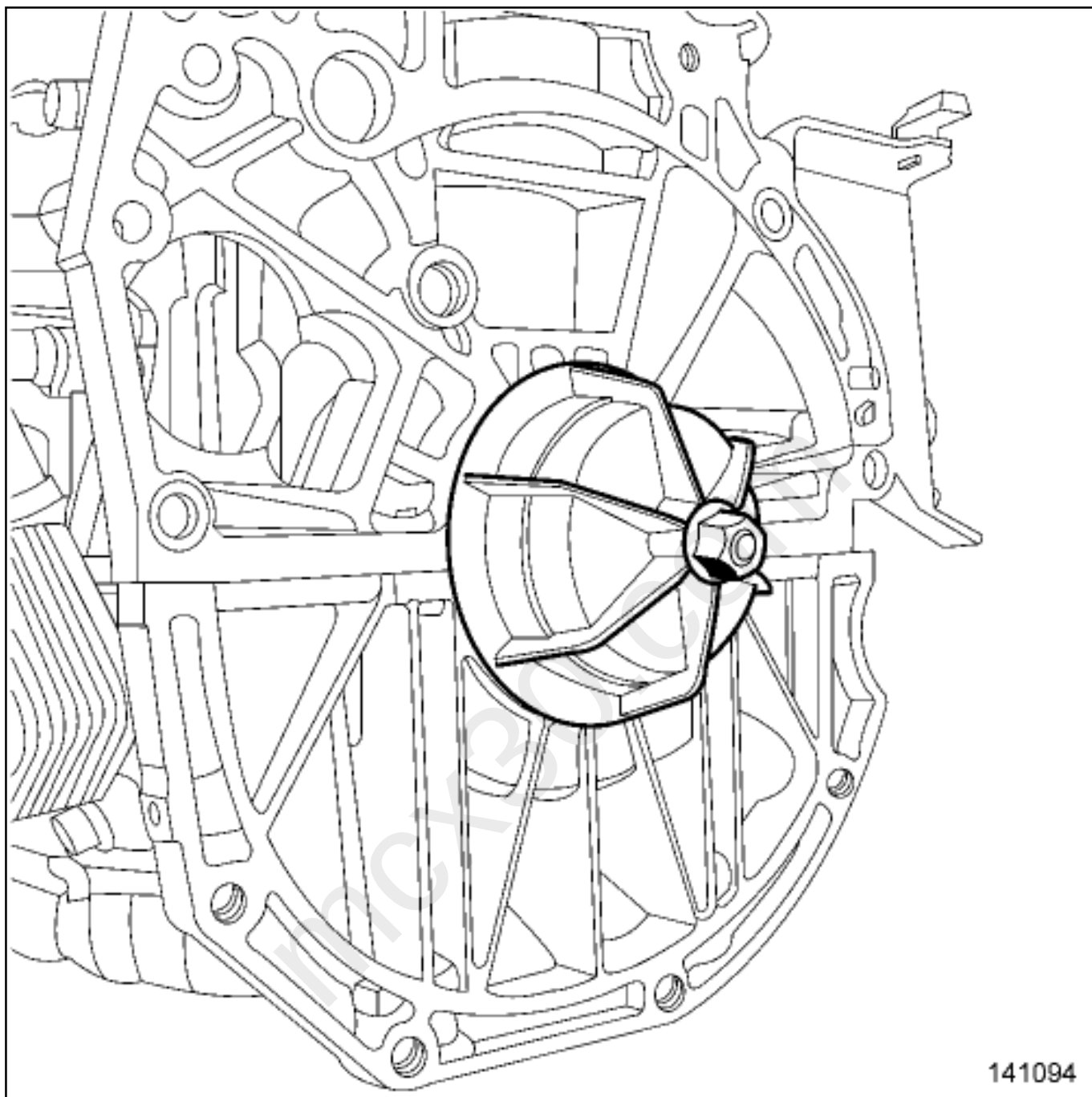
Refit two flywheel bolts(3) on the centring device of the toolCrankshaft seal fitting tool (flywheel end) (Mot. 1919) .



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](#)) ,