

Proceed in the reverse order to removal.



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



XSL version : 3.02 du 22/07/11

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CRANKSHAFT SEAL ON TIMING END: REMOVAL - REFITTING



Note, one or more warnings are present in this procedure



Special tooling required

Crankshaft seal fitting tool (timing end)

Mot. 1918



parts always to be replaced:



[Crankshaft seal on timing end](#)

Locations and specifications (tightening torques, parts always be replaced, etc.)[Timing assembly: Exploded view](#) .

REMOVAL

1. REMOVAL PREPARATION OPERATION



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



Remove:



the front right-hand wheel [Front hub carrier assembly: Exploded view](#) ,



the front section of the front right-hand wheel arch liner [Exterior body front trim assembly: Exploded view](#) .



Remove [Engine accessories assembly: Exploded view](#) :

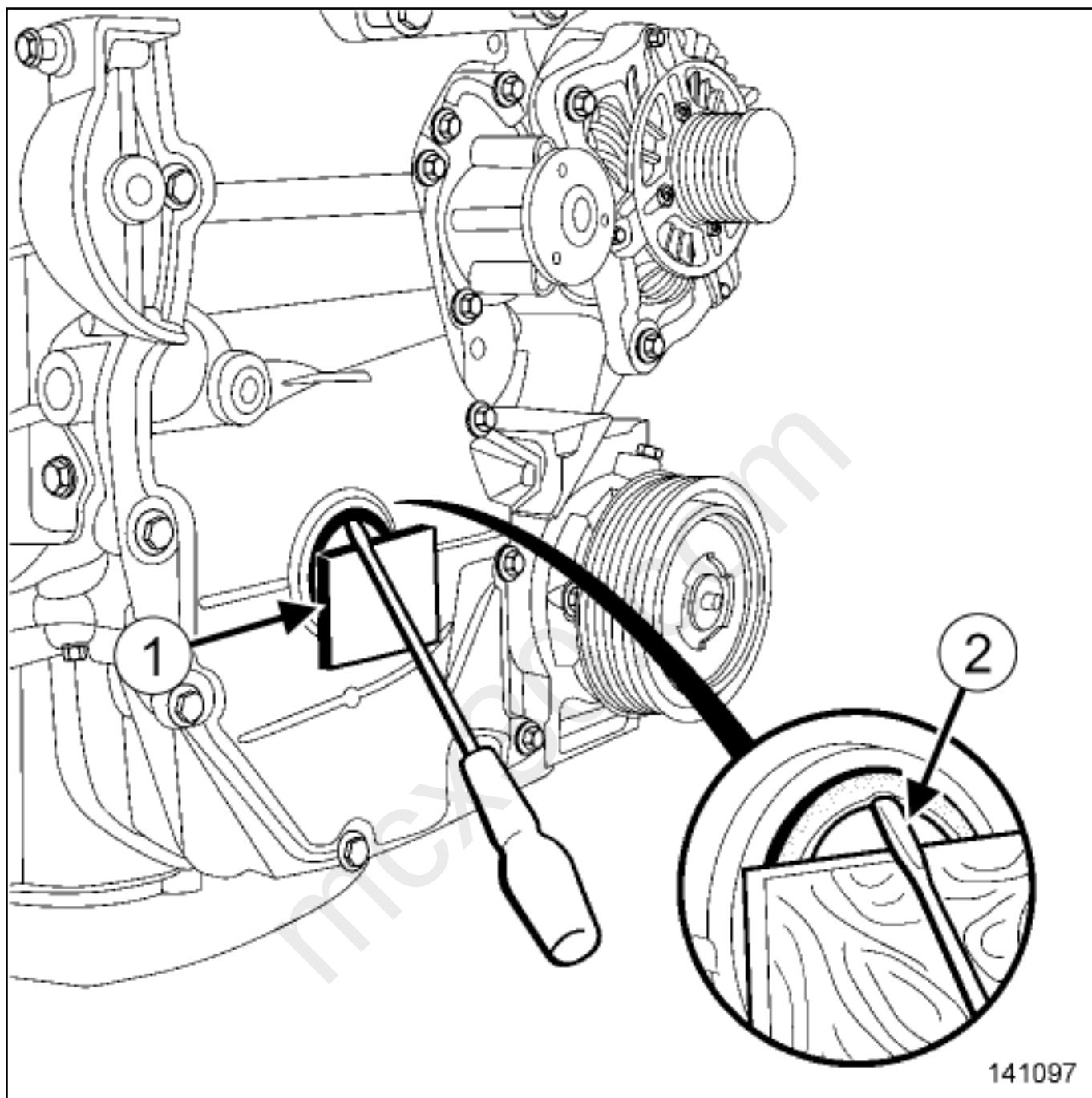


the accessories belt,



the crankshaft accessories pulley.

2. REMOVAL OPERATION



Position a shim (1) on the timing cover [Timing assembly: Exploded view](#) .



Note:

Be sure to position the flat head of the screwdriver(2) behind the outer lip of the crankshaft seal.



Remove the crankshaft seal at the timing end [Timing assembly: Exploded view](#) using a flat-blade screwdriver while pressing on the shim.

REFITTING

1. REFITTING PREPARATION OPERATION



parts always to be replaced:

[Crankshaft seal on timing 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:

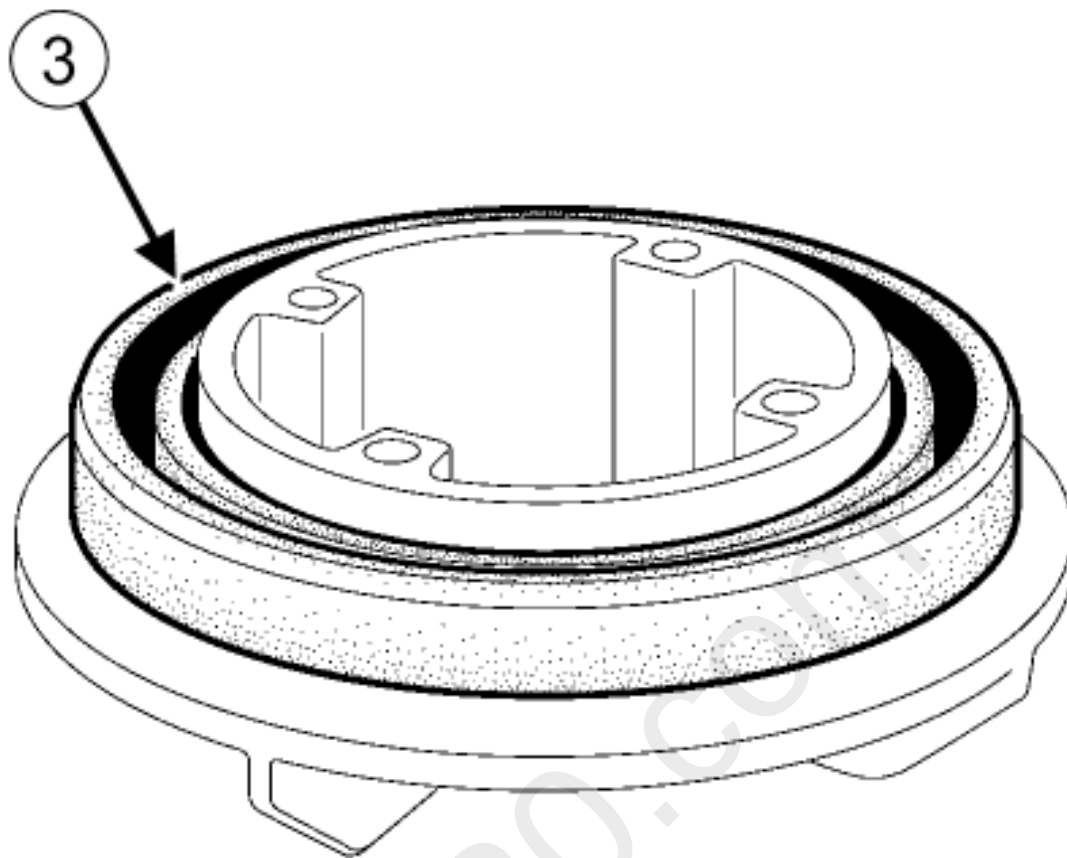


the seal mating face on the crankshaft accessories pulley,



the seal housing on the timing cover.

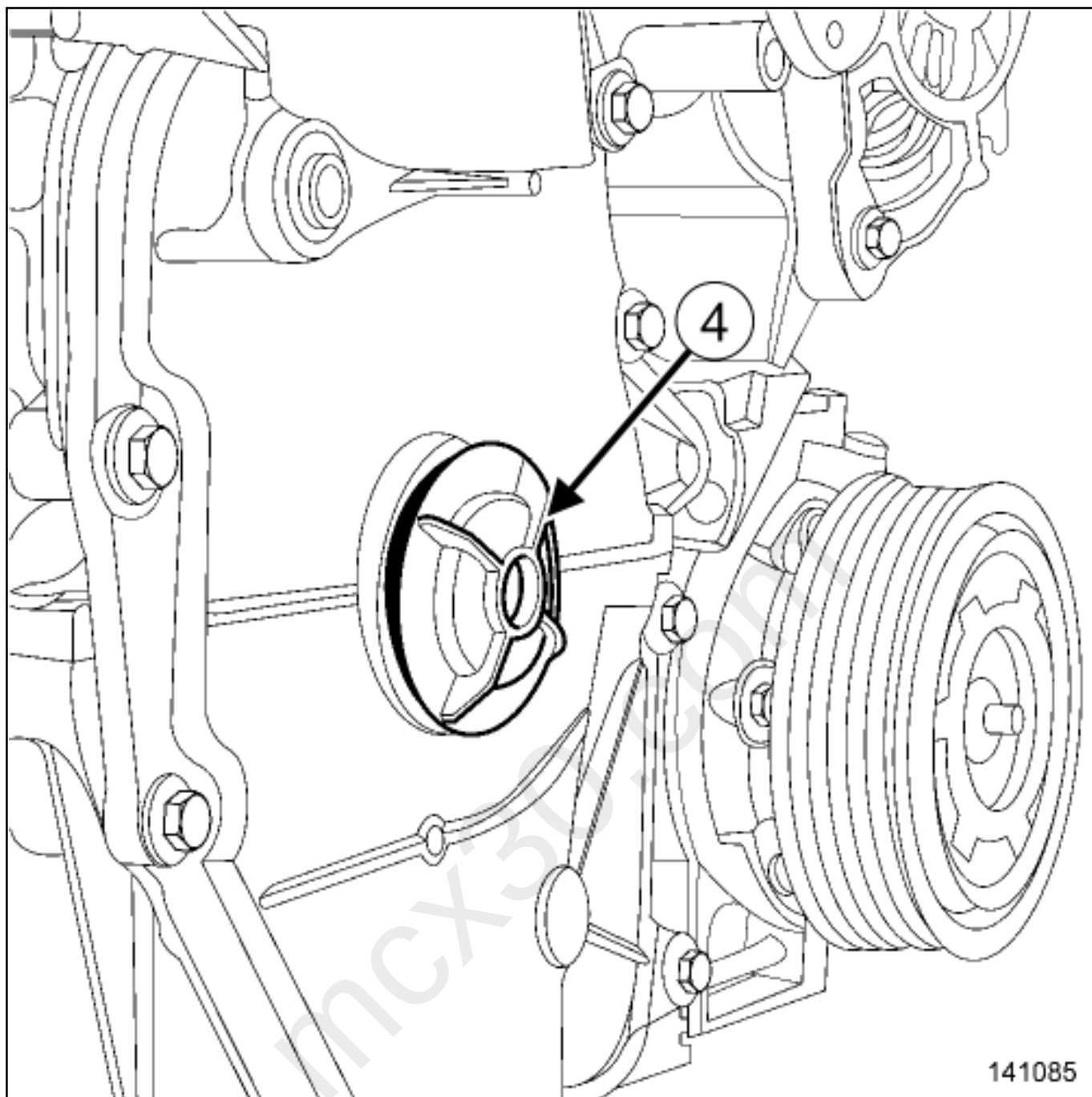
2. REFITTING OPERATION



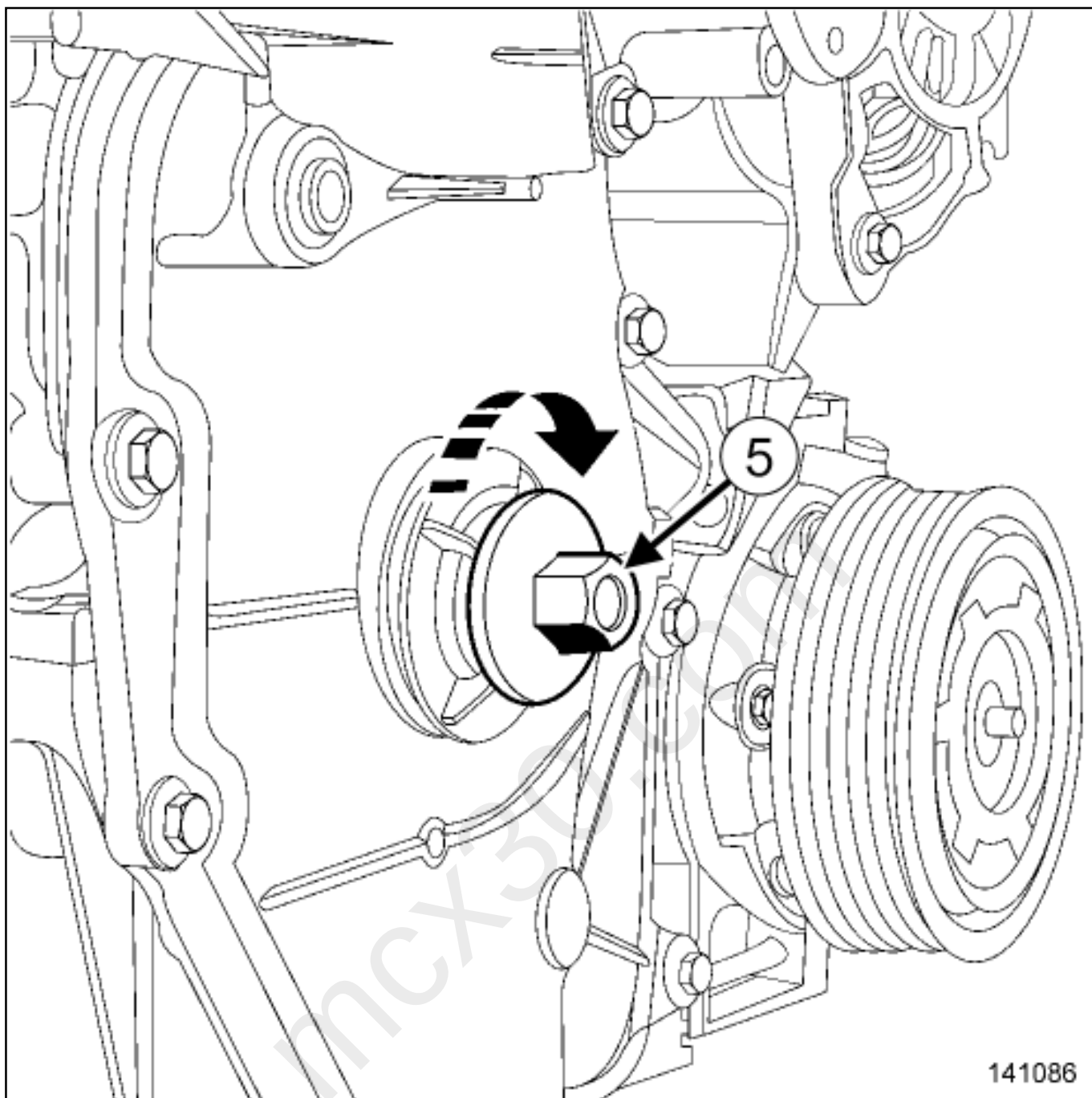
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Fit a new crankshaft seal(3) on the timing end on the toolCrankshaft seal fitting tool (timing end)
(Mot. 1918) .



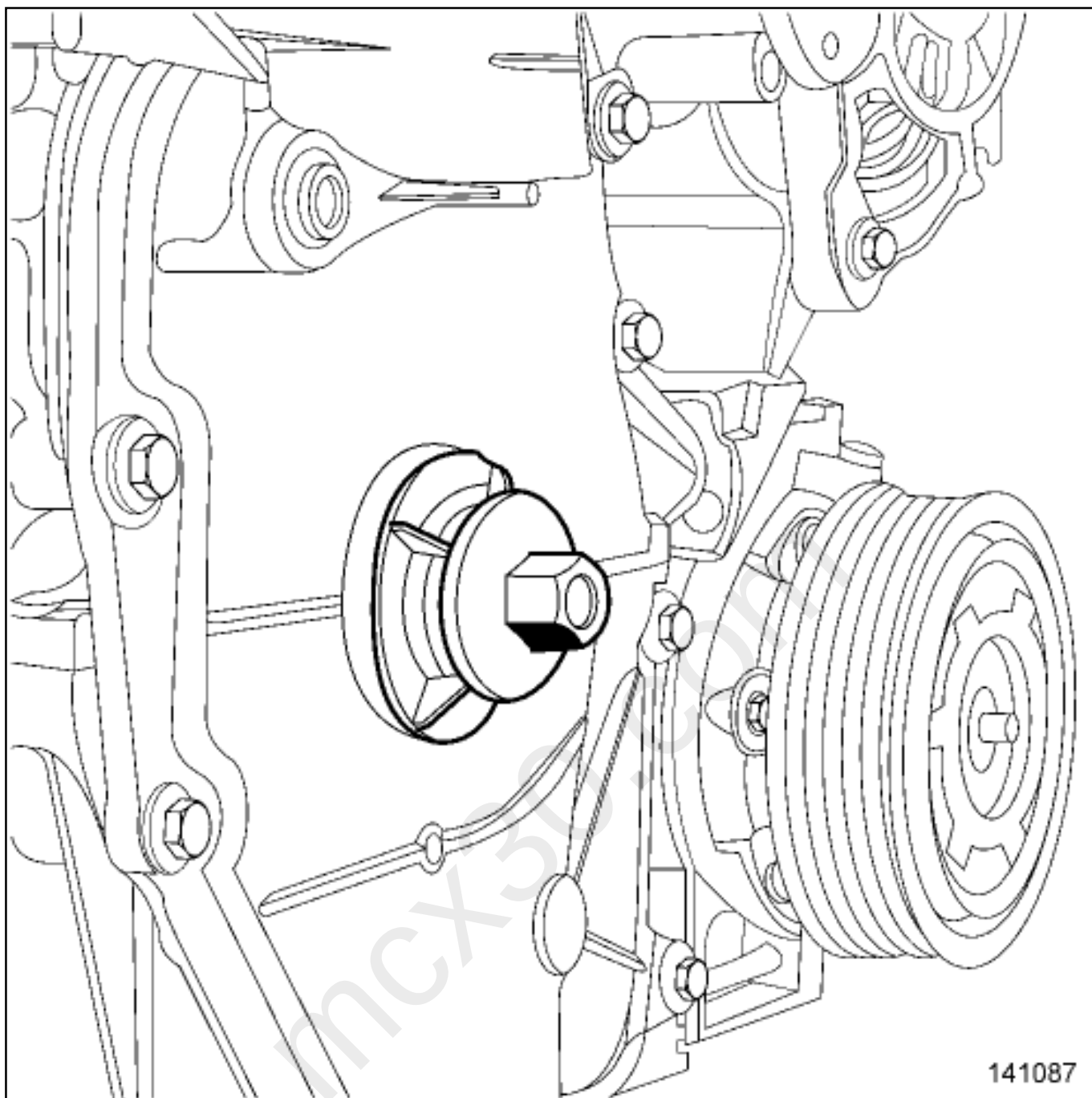
Fit the "centring device - crankshaft seal on timing end"(4) assembly on the timing cover.



Fit without tightening the crankshaft accessories pulley bolt [Engine accessories assembly: Exploded view](#) (5) on the crankshaft [Timing assembly: Exploded view](#) .



Tighten the crankshaft accessories pulley bolt until the tool [Crankshaft seal fitting tool \(timing end\)](#) (Mot. 1918) comes into contact with the timing cover.



Remove:



the crankshaft accessories pulley bolt,



the toolCrankshaft seal fitting tool (timing end)([Mot. 1918](#)) .

3. FINAL OPERATION