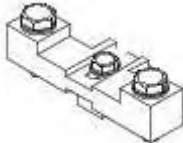
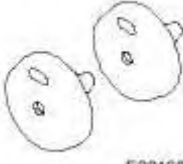


Removal and Installation

Special Tool(s) / General Equipment

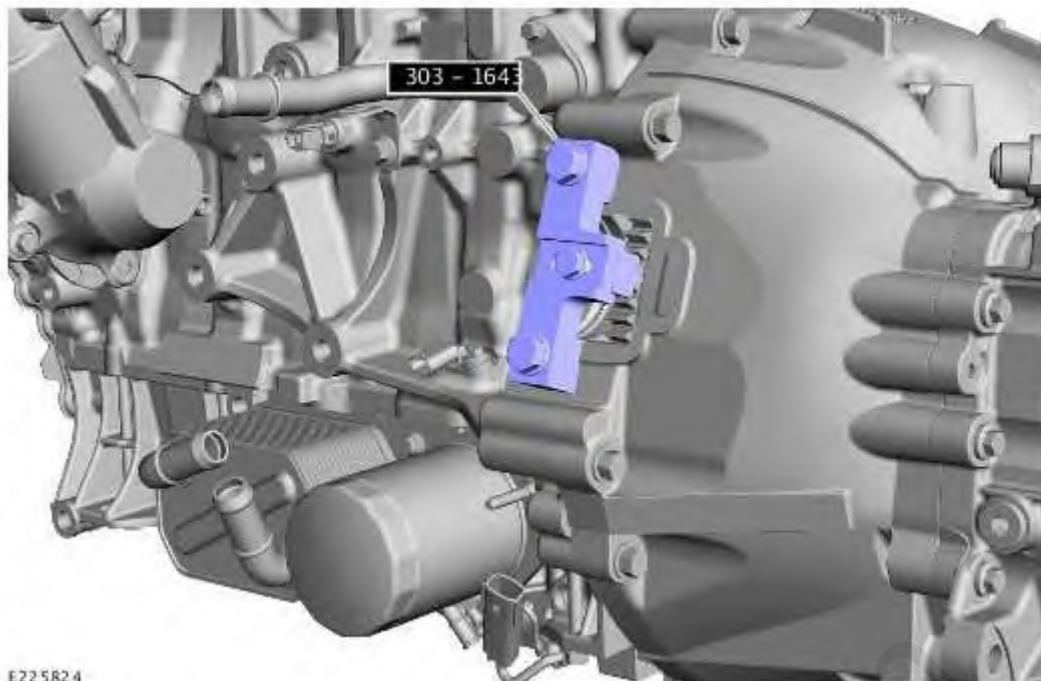
 E221551	303-1637 Holding Tool, Crankshaft
 E221556	303-1643 Locking Tool, Flywheel
 E221683	303-1650 Mounting Device, Timing Belt
6 mm Drill Bit	
Adhesive Tape	

Removal

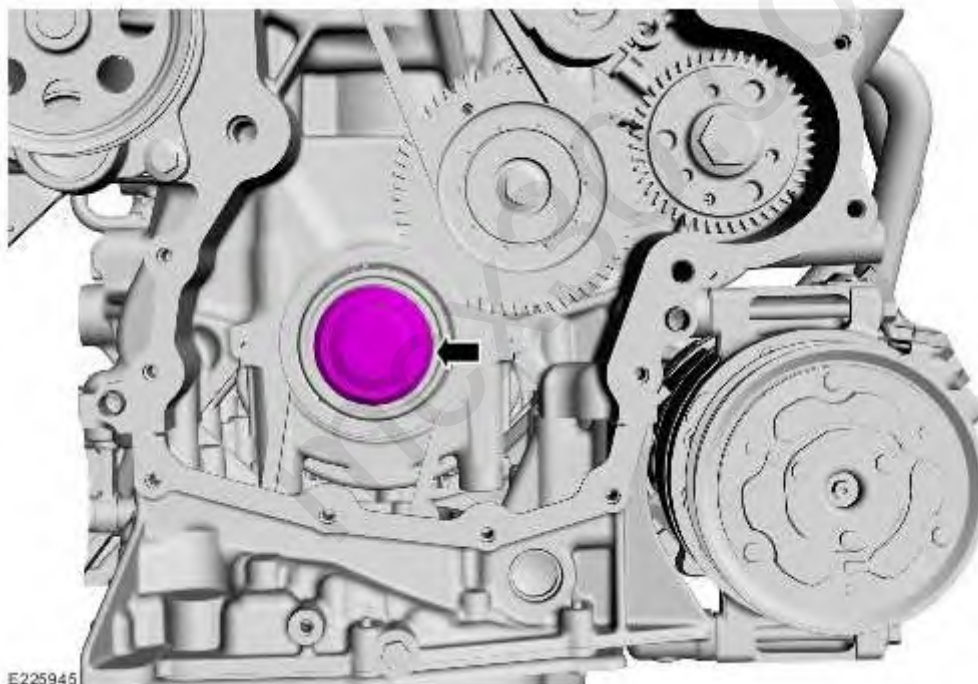


NOTICE: The crankshaft or camshafts must not be rotated while the timing belt is removed.

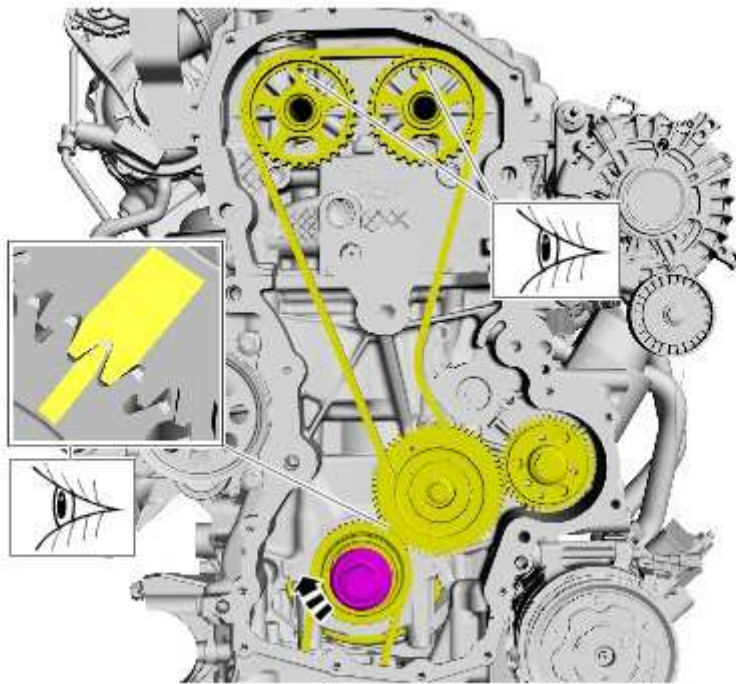
1. Refer to: [Timing Cover](#) (303-01A Engine, Removal and Installation).
2. Remove Special Service Tool: [303-1643](#).



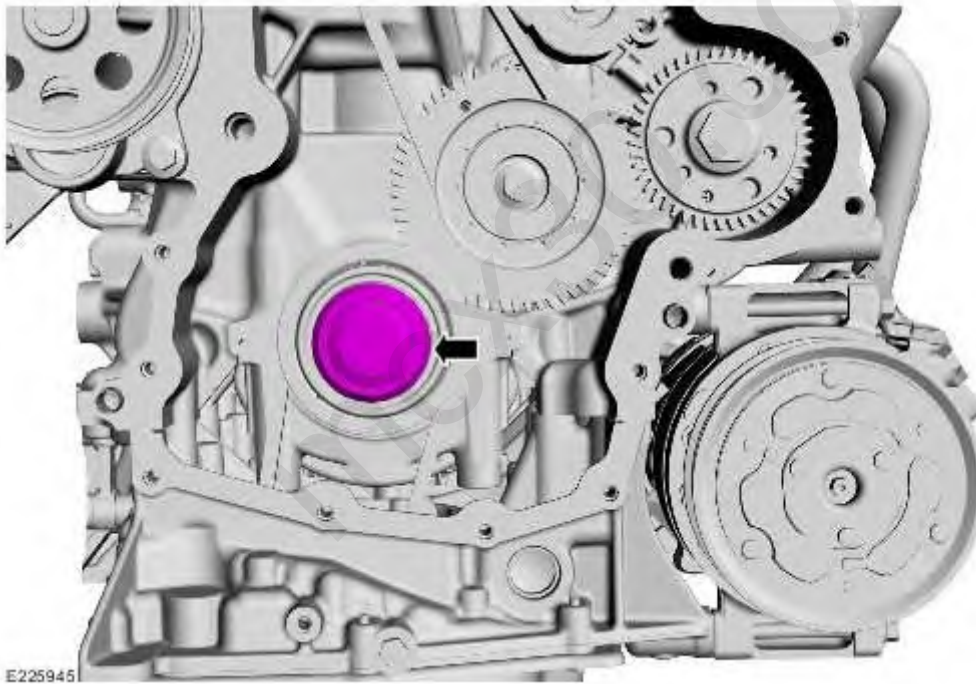
3. **NOTE:** Only tighten the bolt finger tight at this stage.



4.  **NOTICE:** Only rotate the crankshaft clockwise.
Rotate the crankshaft until piston No. 1 is at top dead center (TDC).

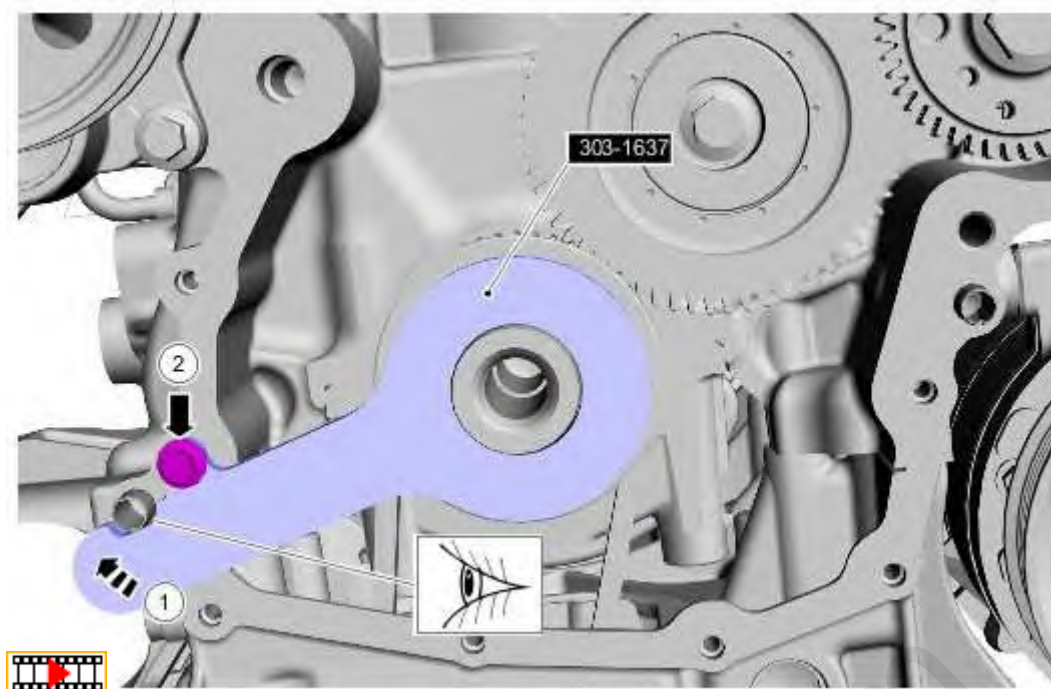


5.



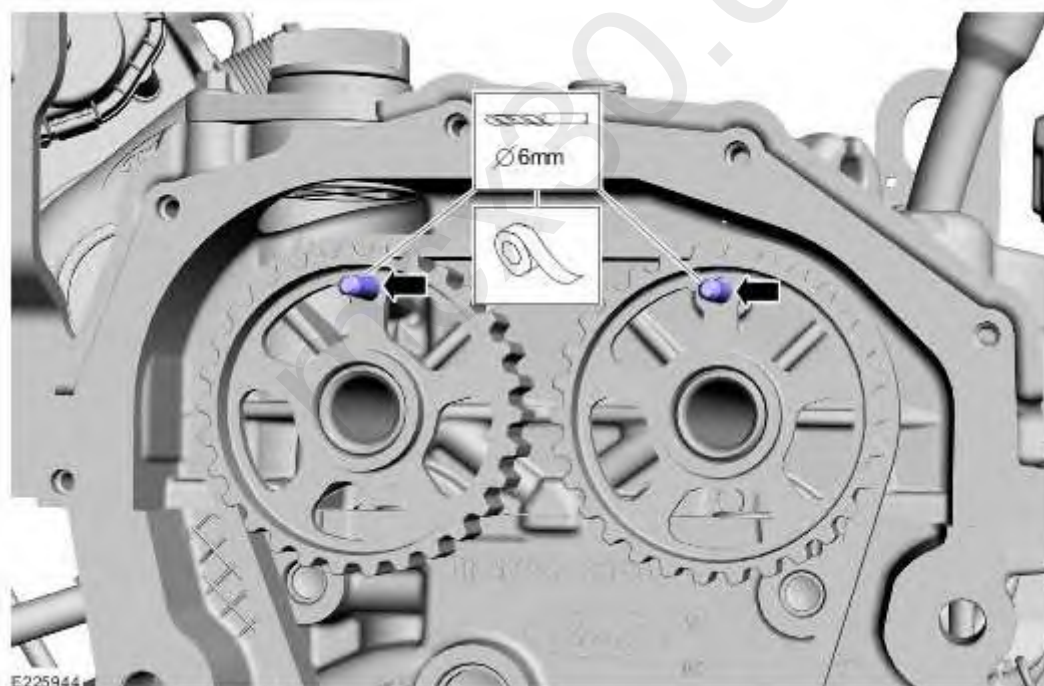
6.  **NOTICE:** The special tool must only be used to align the crankshaft timing.
NOTE: Only tighten the bolt finger tight at this stage.

Install Special Service Tool: [303-1637](#).

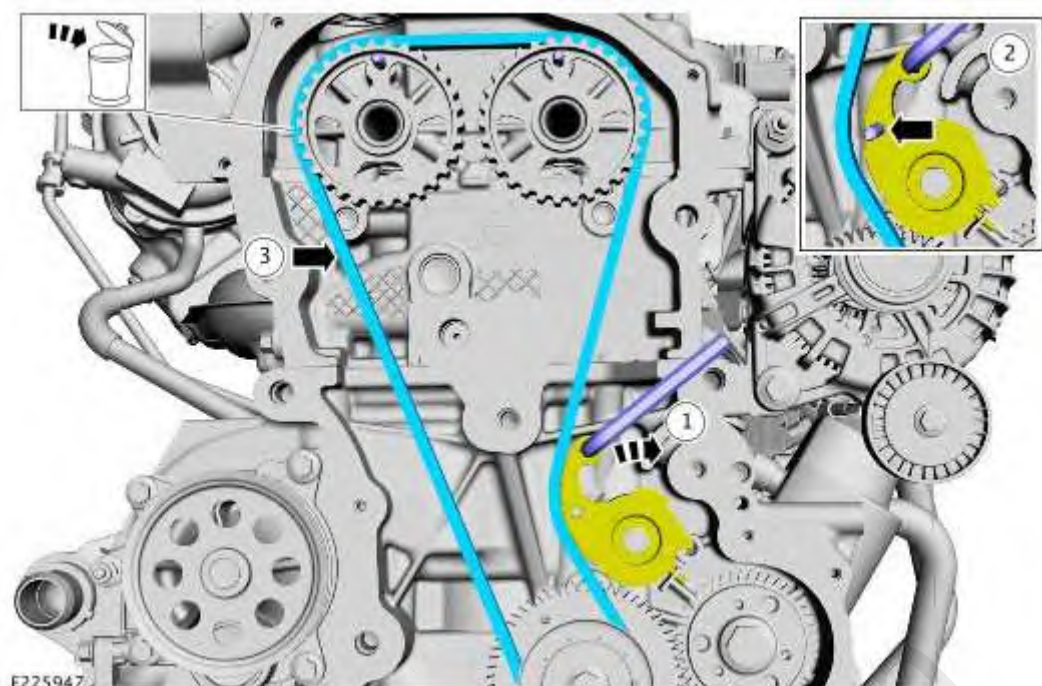


7. Install the following items:

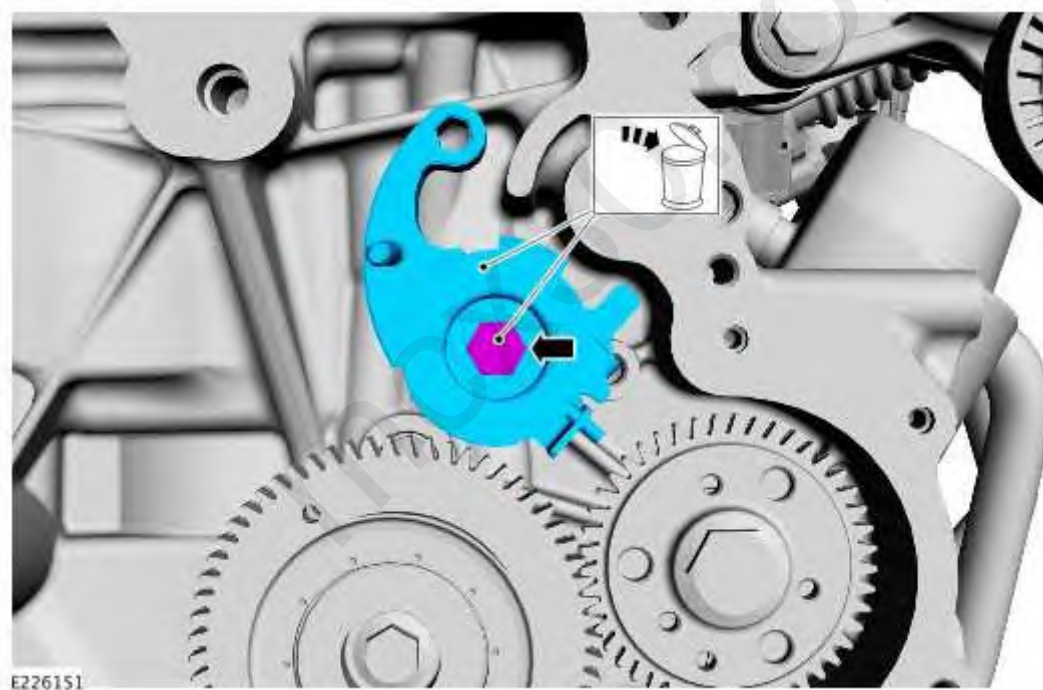
1. Use the General Equipments: 6 mm Drill Bit, Adhesive Tape



8. Install the General Equipments: 6 mm Drill Bit, Adhesive Tape



9.



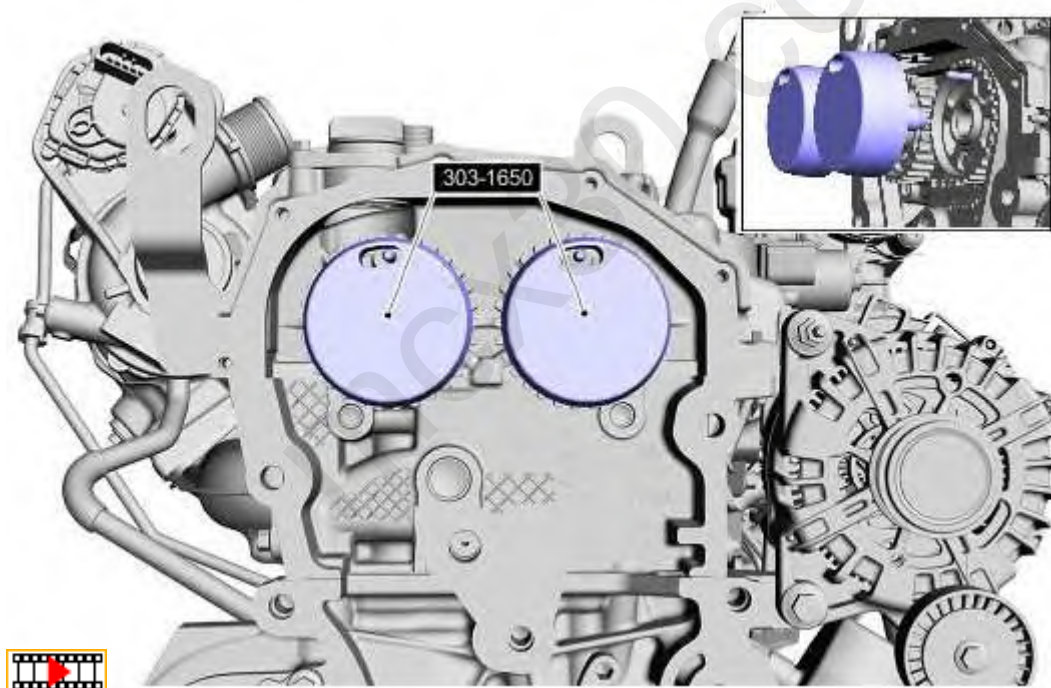
Installation

1. **NOTE:** Make sure that new components are installed.

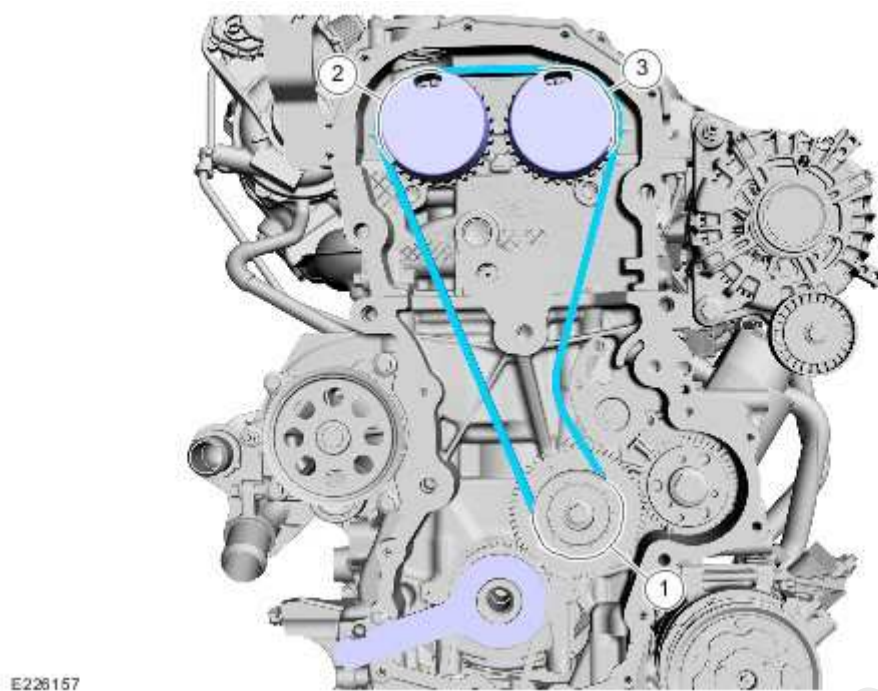
Torque: 25 Nm



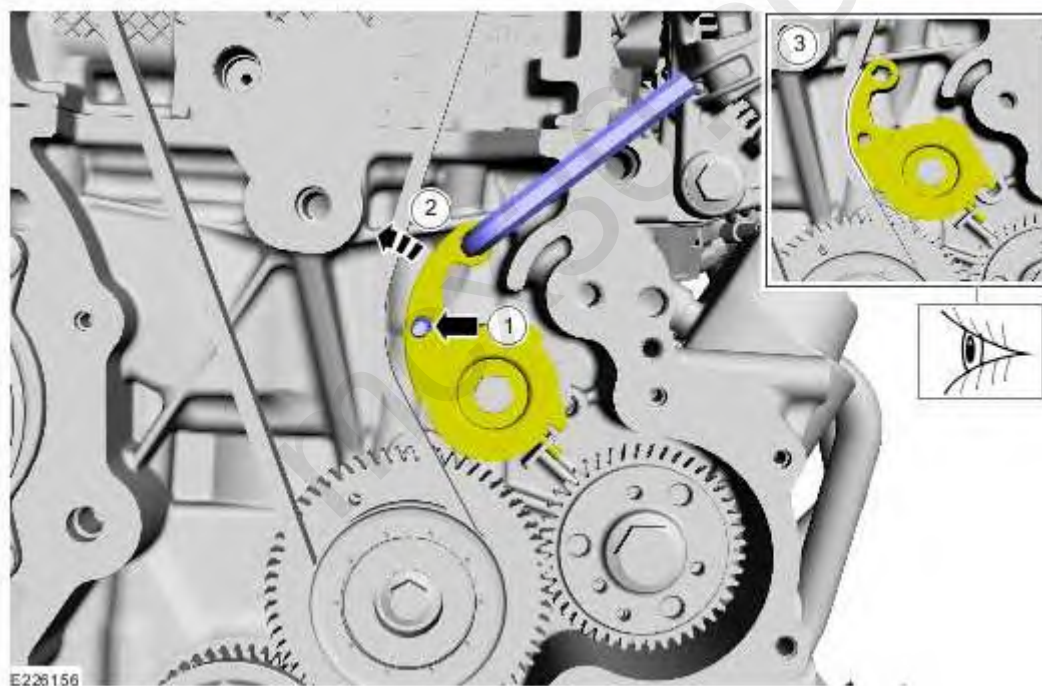
2. Install Special Service Tool: [303-1650](#).



3.  **NOTICE:** Take extra care when handling the component.
NOTE: Make sure that a new component is installed.

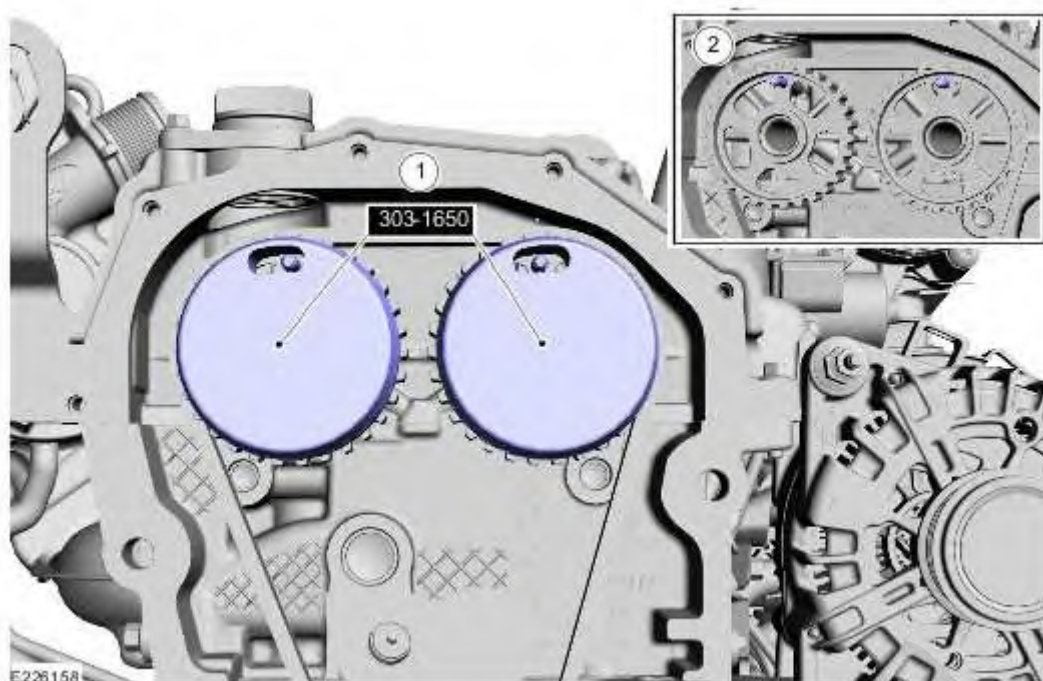


4. Remove the General Equipment: [6 mm Drill Bit](#)

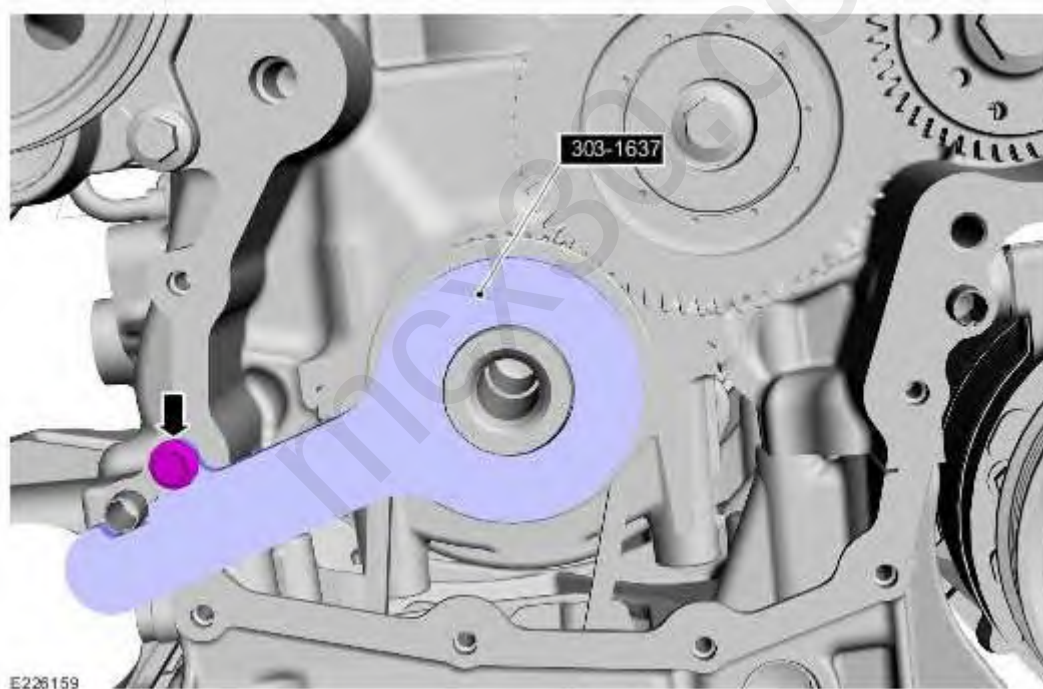


5. Remove the following items:

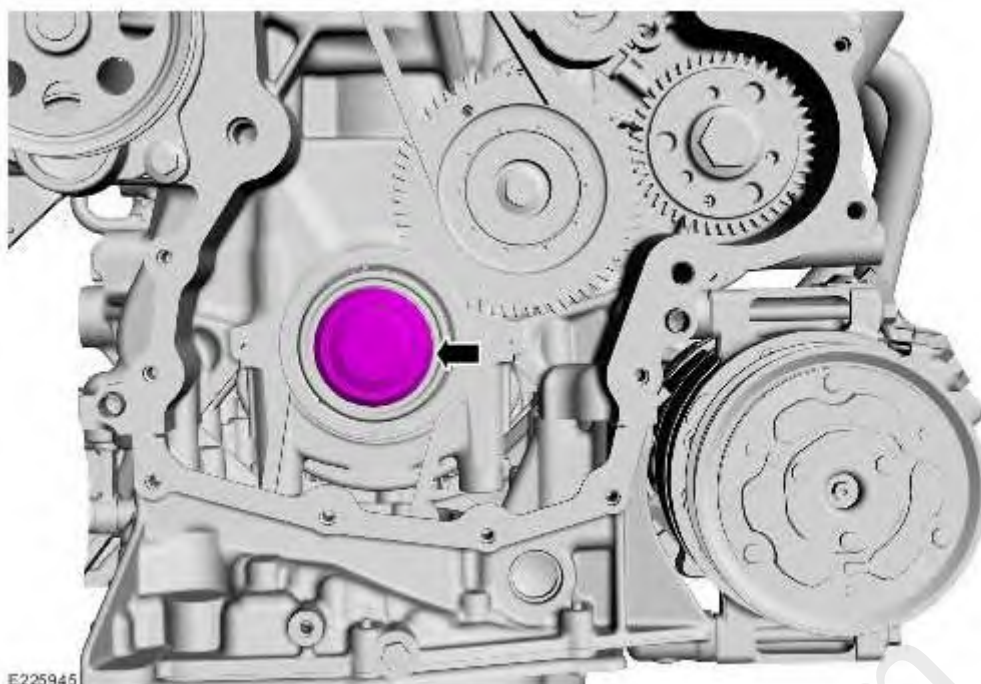
1. Use Special Service Tool: [303-1650](#).
2. Use the General Equipment: [6 mm Drill Bit](#)



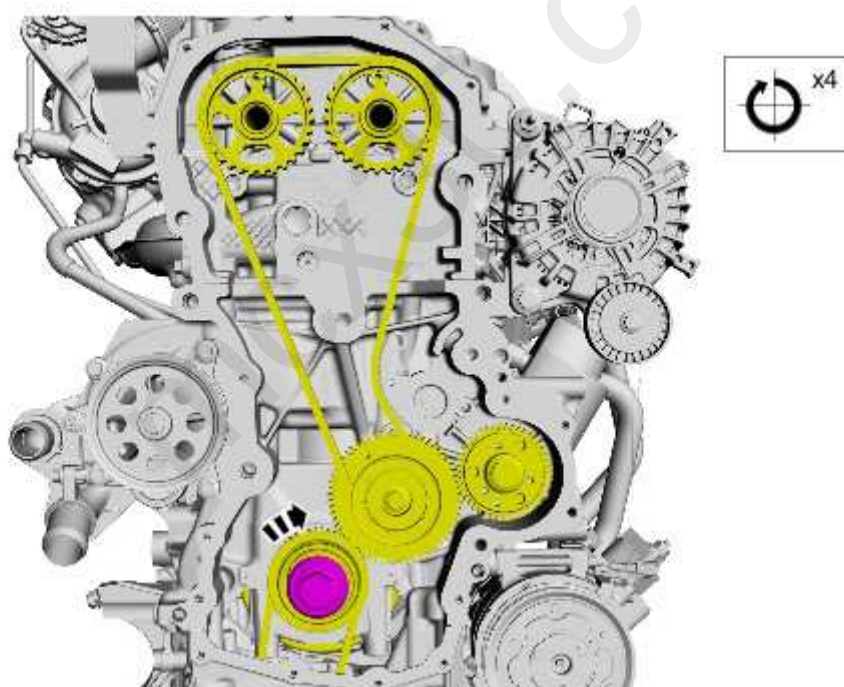
6. Remove Special Service Tool: 303-1637.



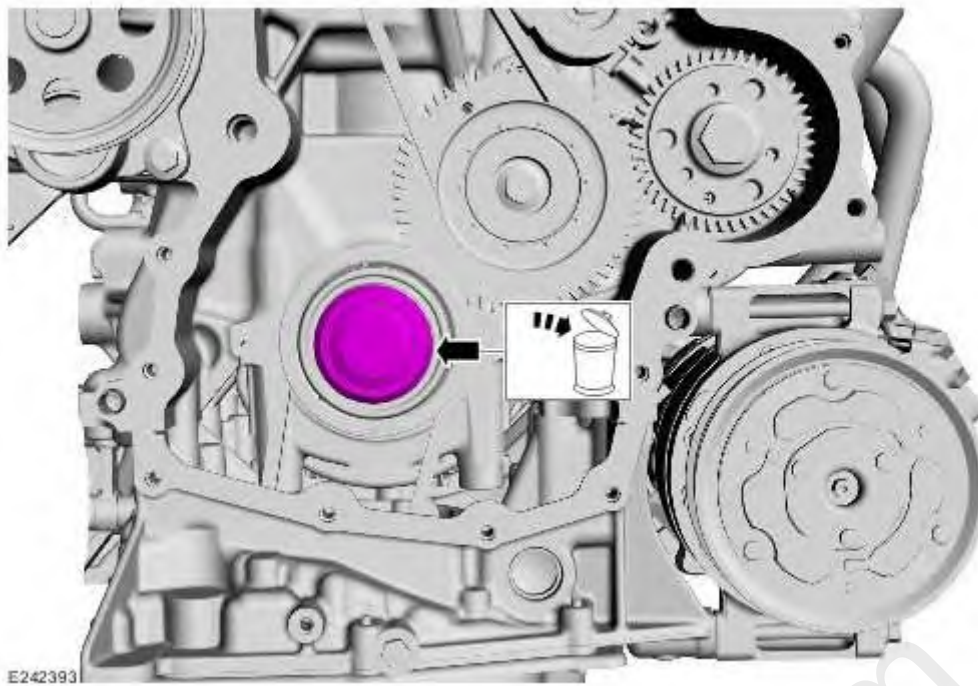
7. NOTE: Only tighten the bolt finger tight at this stage.



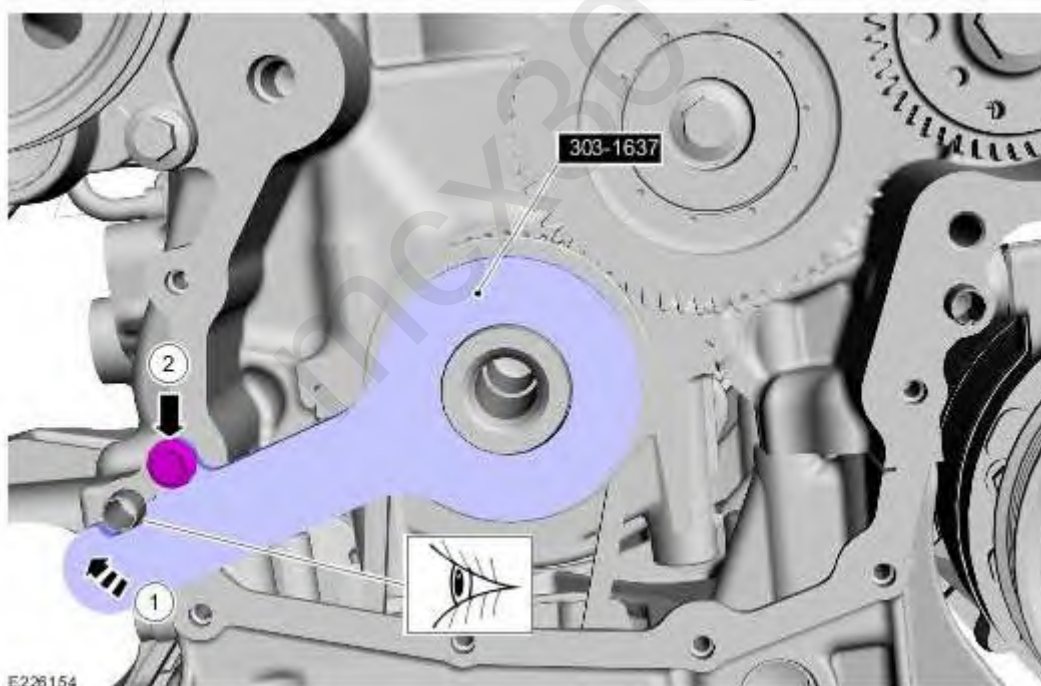
8.  **NOTICE:** Only rotate the crankshaft clockwise.
Rotate the crankshaft 4 revolutions.



- 9.



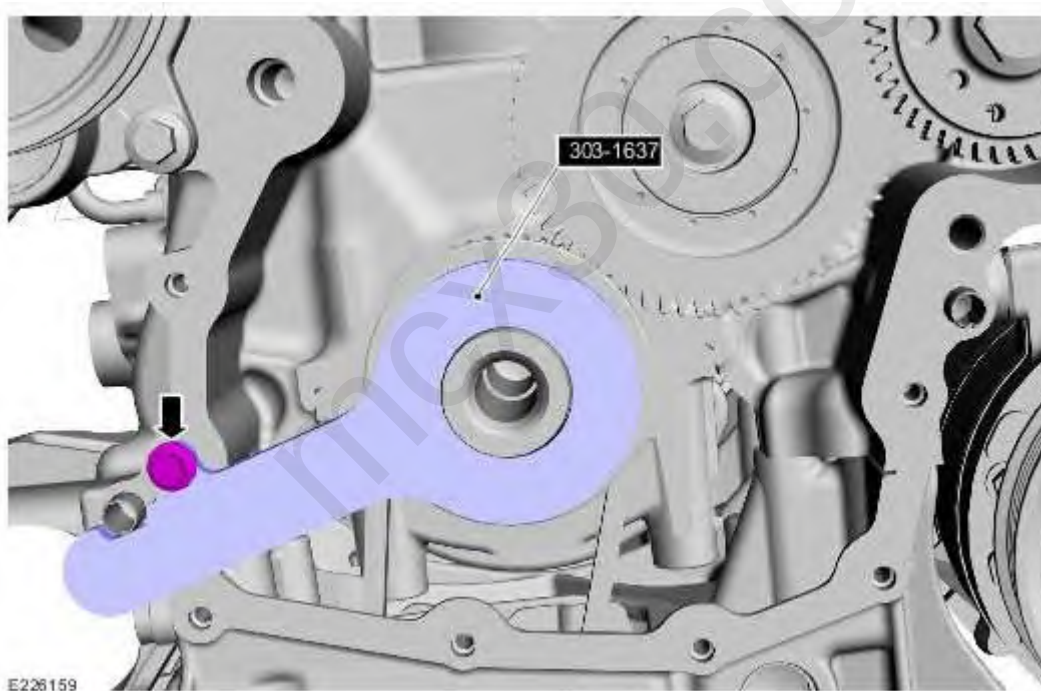
10.  **NOTICE:** The special tool must only be used to align the crankshaft timing.
NOTE: Only tighten the bolt finger tight at this stage.
Install Special Service Tool: [303-1637](#).



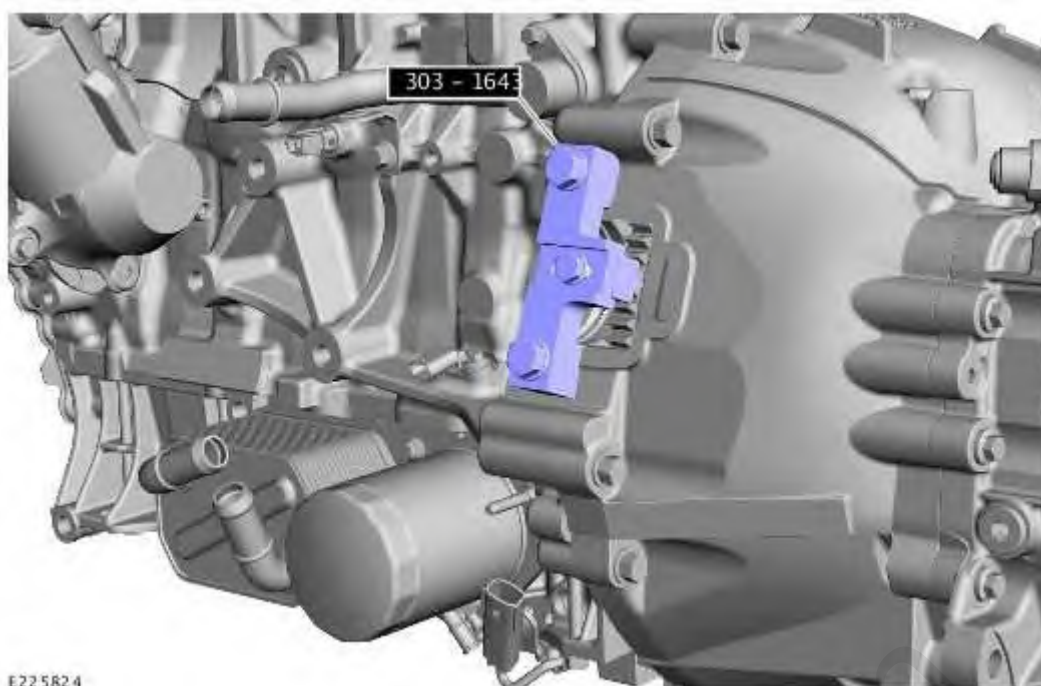
11.  **NOTICE:** Visually check if the timing holes of the camshaft sprockets are in a clockwise overlap position to the timing holes in the camshaft module.



12. Remove Special Service Tool: [303-1637](#).



13. Install Special Service Tool: [303-1643](#).



14. Refer to: [Timing Cover](#) (303-01A Engine, Removal and Installation).