

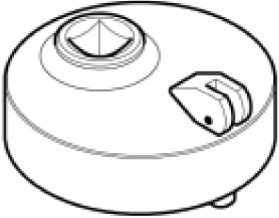
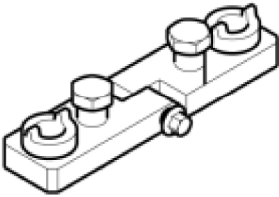


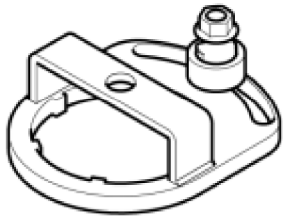
- [Gasket, inner timing cover](#)
- [Outer timing cover gasket](#)
- [Auxiliary brackets](#)
- [Intermediate shaft gasket, alternator side](#)
- [Intermediate shaft gasket, auxiliaries side](#)
- [Camshaft chain](#)
- [Camshaft seal](#)
- [VVT unit](#)
- [variable camshaft timing oil control solenoid](#)
- [CPS solenoid](#)
- [Accessory Drive Belt](#)
- [Tensioner accessory drive belt](#)
- [Rear End Accessory Drive](#)

Operation number: 21510-3

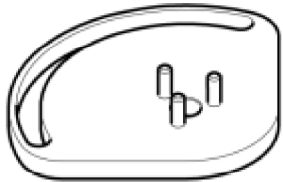
### Gasket, inner timing cover

Note! Some variation in the illustrations may occur, but the essential information is always correct.

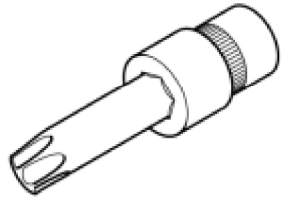
Special tools	
	<p><b>T9997257 WRENCH</b>                      Tool number: T9997257                      Tool description: WRENCH                      Tool boards:</p>
	<p><b>T9997261 POSITION SENSOR</b>                      Tool number: T9997261                      Tool description: POSITION SENSOR                      Tool boards:</p>



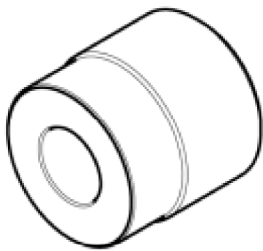
**T9997264 ANVIL BLOCK**  
Tool number: T9997264  
Tool description: ANVIL BLOCK  
Tool boards:



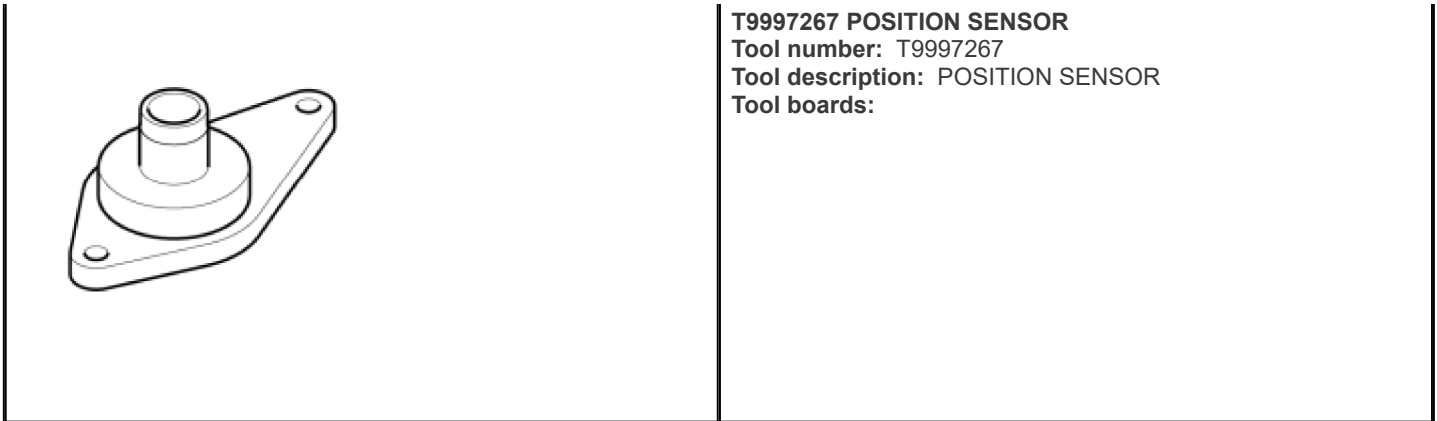
**T9997263 ANVIL BLOCK**  
Tool number: T9997263  
Tool description: ANVIL BLOCK  
Tool boards:



**T9997272 TORX 60**  
Tool number: T9997272  
Tool description: TORX 60  
Tool boards:



**T9997266 POSITION SENSOR**  
Tool number: T9997266  
Tool description: POSITION SENSOR  
Tool boards:

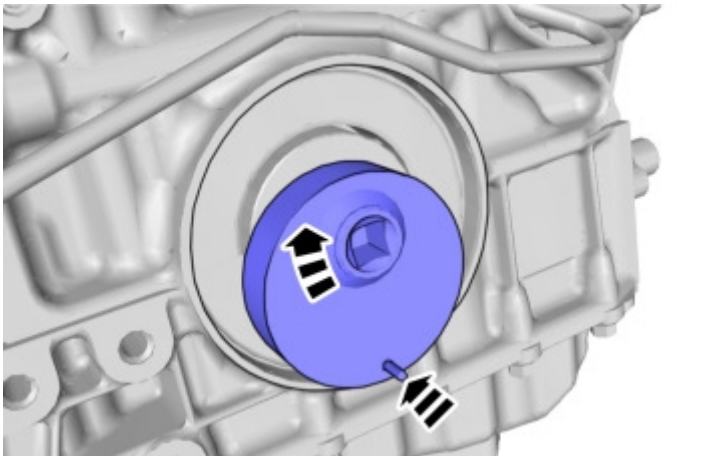


## Removal

### Note!

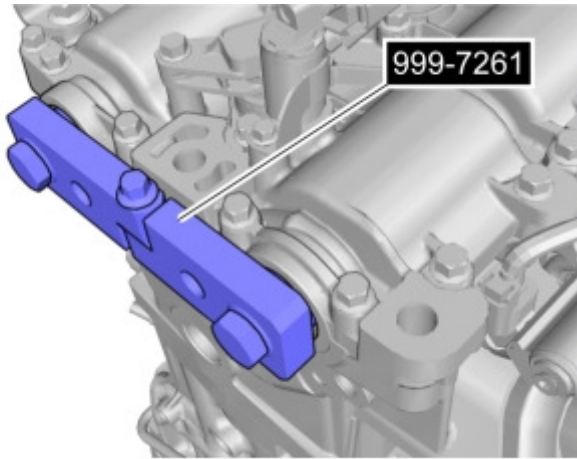
Removal steps in this procedure may contain installation details.

Remove the front crankshaft seal. Refer to: [crankshaft front seal](#) .



Rotate the engine to the zero position. Special Tool: [999 7257](#) .

## Installation

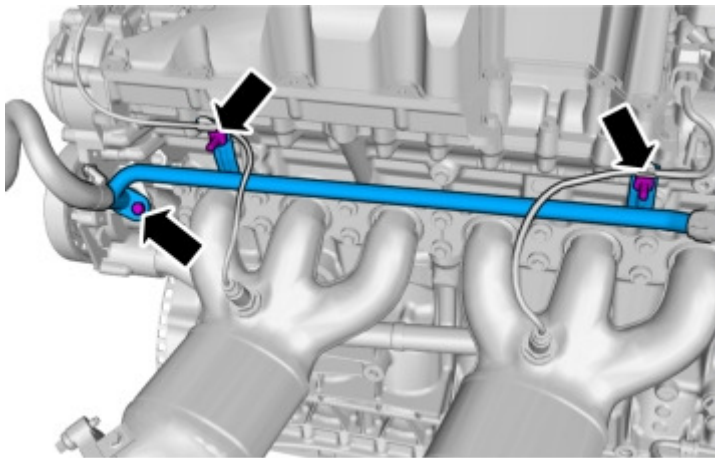


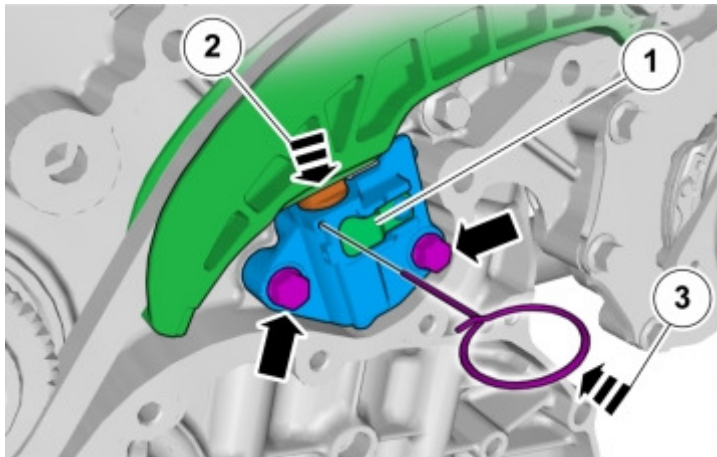
Lock the camshafts. Special Tool: [999 7261](#) .

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Remove the outer timing cover. Refer to: [Gasket, inner timing cover:Outer timing cover gasket](#).

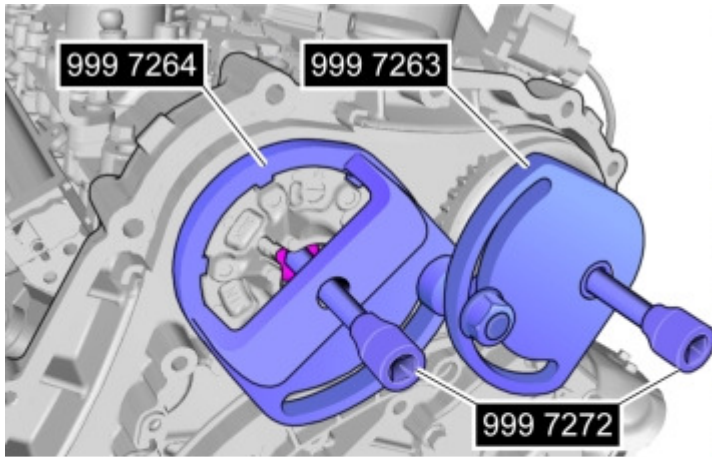
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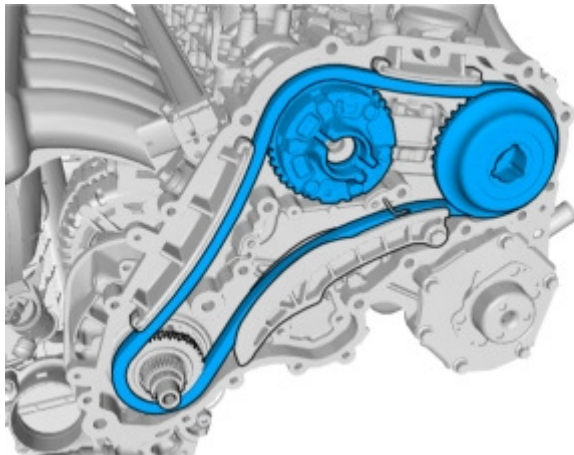


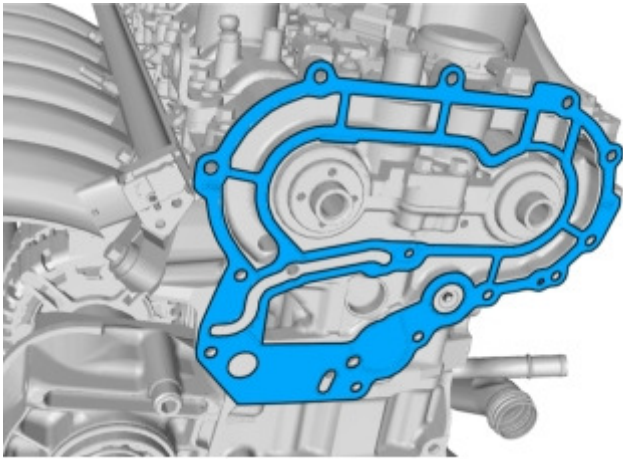
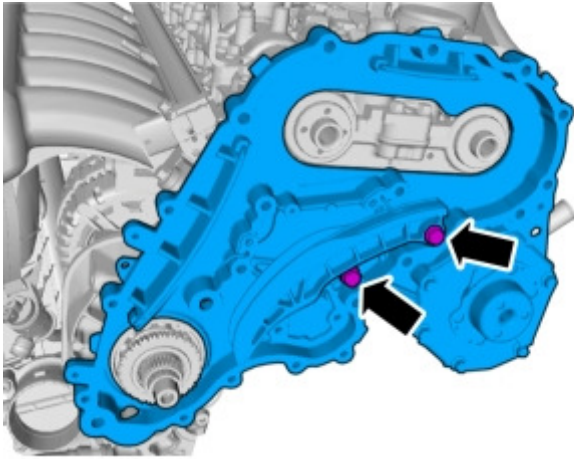
Raise the tensioner's lock plate (1) slightly and press the tensioner together (2). Secure with a steel wire, drill or the like with a 2 mm diameter in the tensioner hole (3).

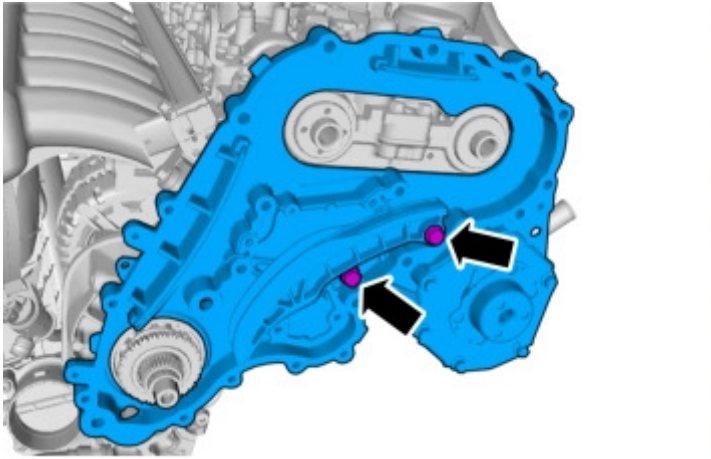
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- Special Tool: [999 7264](#)
- Special Tool: [999 7263](#)
- Special Tool: [999 7272](#)

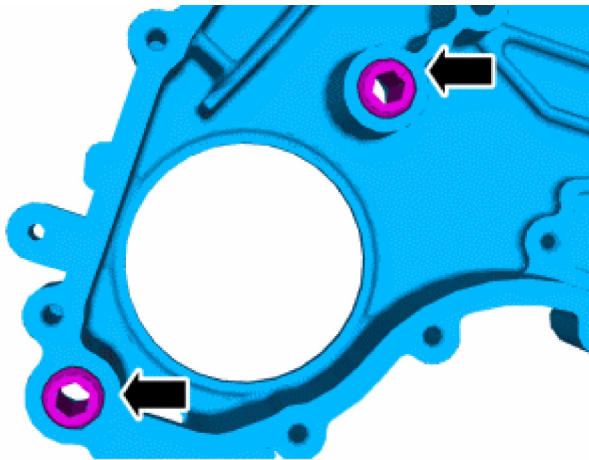






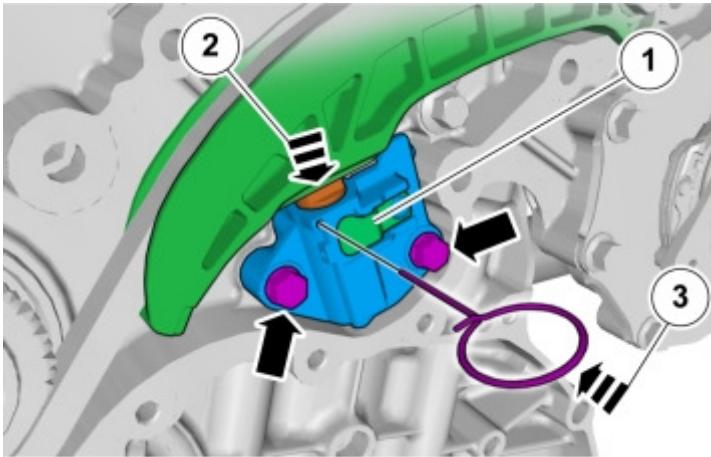
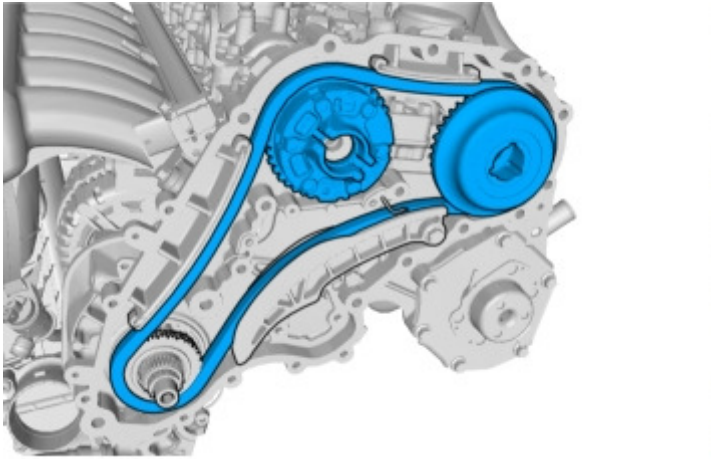
M7. Refer to: [Tightening torque.](#)

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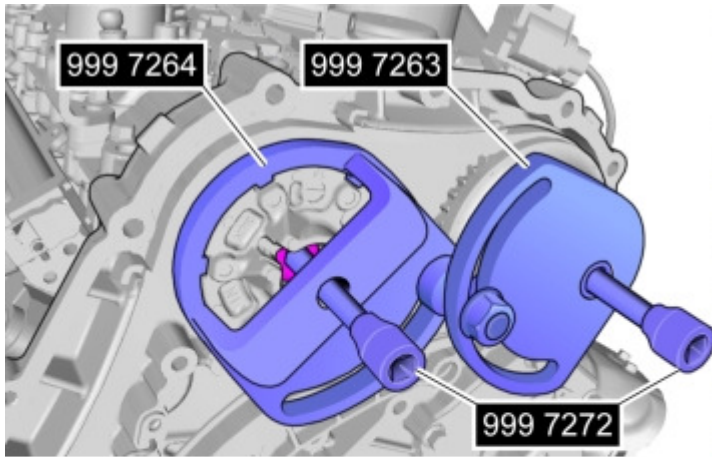
Slacken the screws two turns.

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M6. Refer to: [Tightening torque.](#)

Remove the lock for the tensioner.

**Install the following items:**

- Special Tool: [999 7264](#)
- Special Tool: [999 7263](#)
- Special Tool: [999 7272](#)

**Install the following items:**

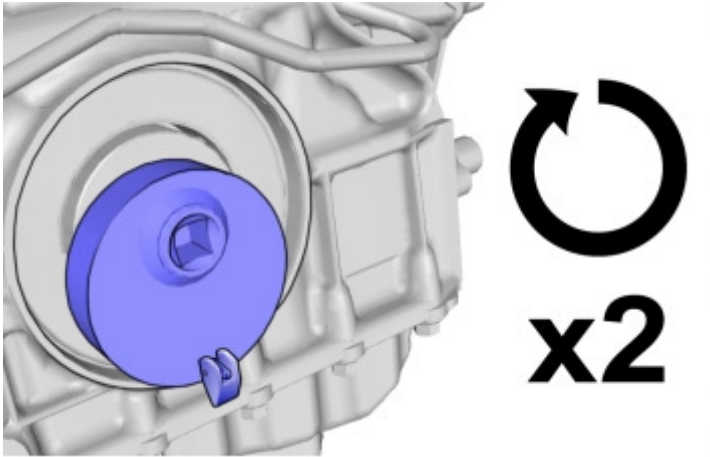
- Center screw, exhaust camshaft. Refer to: [Tightening torque.](#)
- Center screw, intake camshaft. Refer to: [Tightening torque.](#)

**Remove the following items:**

- Special Tool: [999 7263](#)
- Special Tool: [999 7264](#)
- Special Tool: [999 7272](#)

**Remove the following items:**

- Special Tool: [999 7261](#)



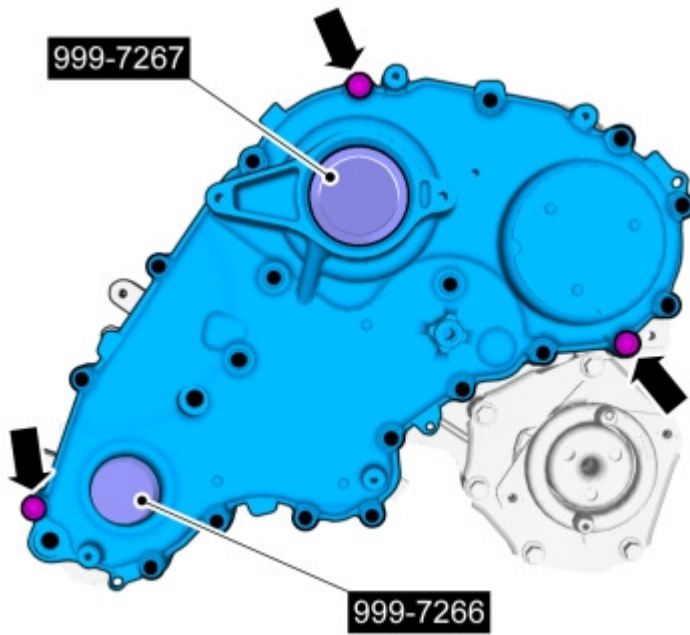
Turn the engine two rotations and check the setting.

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Remove and discard the intermediate shaft seal.

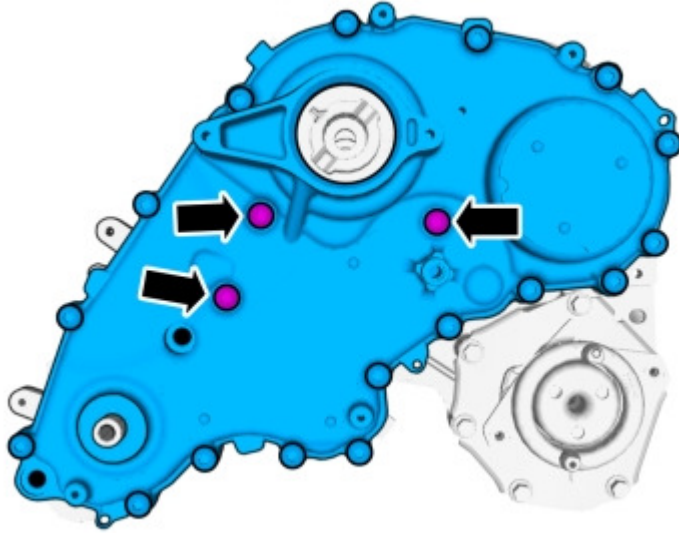
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Install the cover.

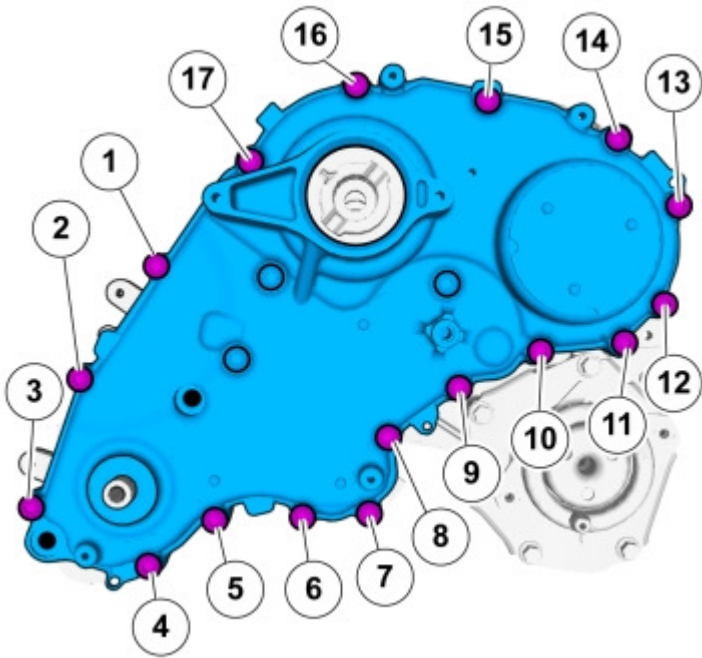
Use the tool and 3 screws in the indicated spot to guide the cover and gasket into the right position. Do not tighten!

Special Tool: [999 7266](#) and Special Tool: [999 7267](#) .



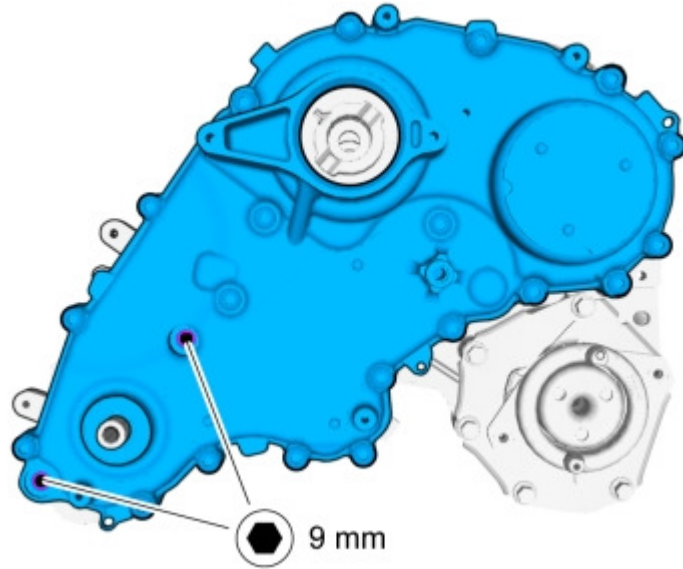
M7. Refer to: [Tightening torque.](#)

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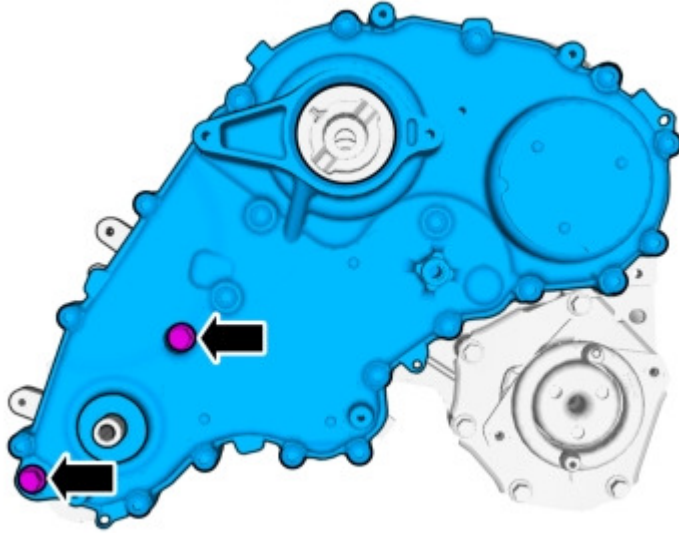
Tighten the screws in the order illustrated.

M7. Refer to: [Tightening torque.](#)



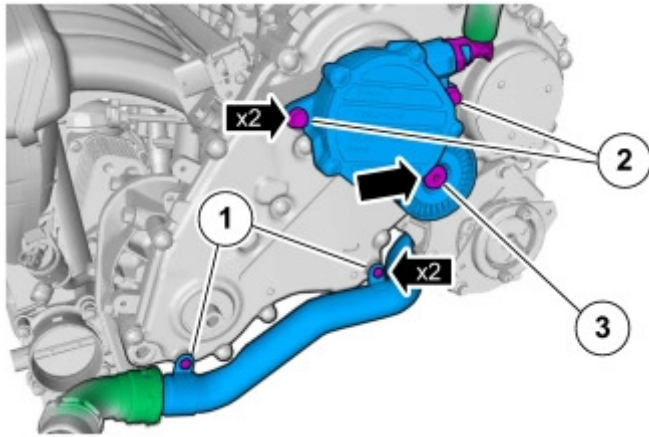
Screw in the adjuster screws until they make contact.

Inner timing cover adjuster screw. Refer to: [Tightening torque](#).



M8. Refer to: [Tightening torque.](#)

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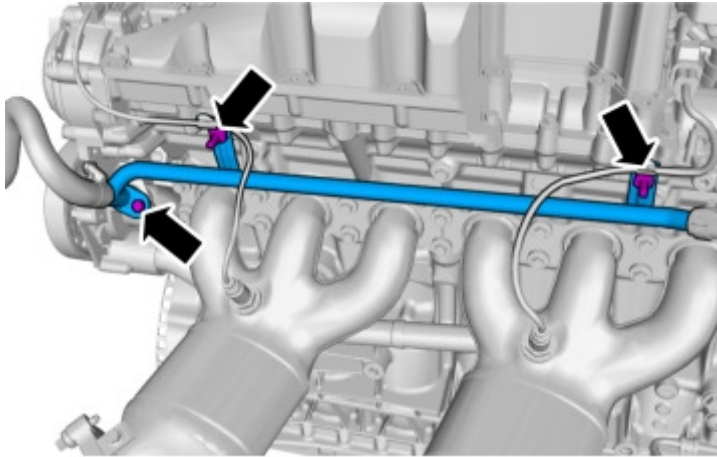
**Install the following items:**

- M6. Refer to: [Tightening torque.](#)
- M7. Refer to: [Tightening torque.](#)
- M8. Refer to: [Tightening torque.](#)

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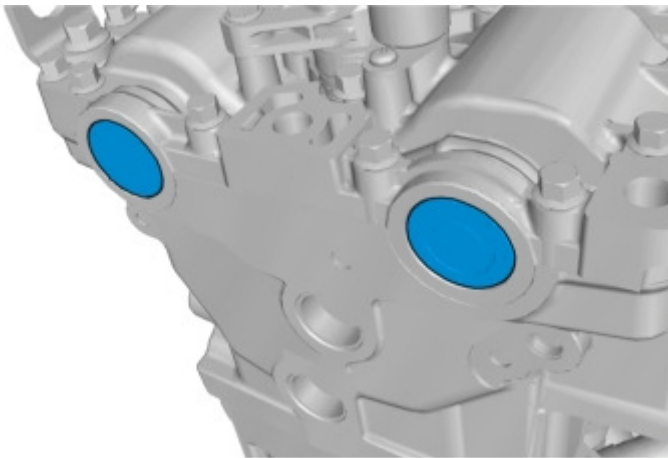
**Install the following items:**

- the drive wheel and new seal. Refer to: [Gasket, inner timing cover:Intermediate shaft gasket, auxiliaries side](#)
  - auxiliary brackets. Refer to: [Gasket, inner timing cover:Auxiliary brackets.](#)
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M7. Refer to: [Tightening torque.](#)

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Install new seals.

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Fill the cooling system. Refer to: [Cooling system - draining, charging and bleeding.](#)

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