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## **WM 137819 Removing and installing drive belt**

### **Preliminary work**

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1. Remove rear spoiler. → *665819 Removing and installing rear spoiler*
2. Remove air cleaner. → *242519 Removing and installing air cleaner housing*

### **Removing drive belt**

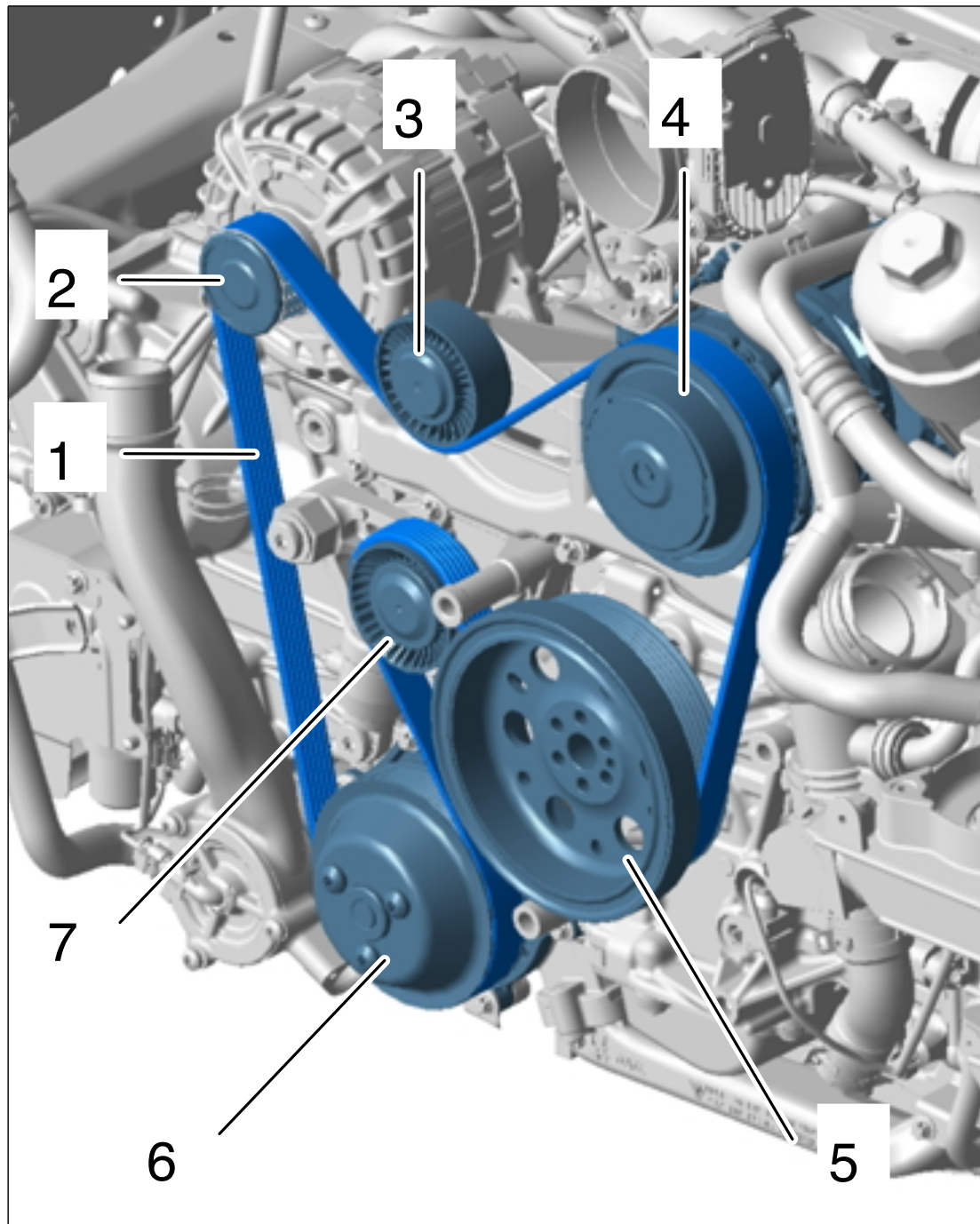
#### **Removing drive belt**

#### **Drive belt routing:**

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[jakub@camea.sk](mailto:jakub@camea.sk)

Aug 25, 2016



*Drive belt routing (engine removed)*

- 1 - Drive belt
- 2 - Generator pulley
- 3 - PDCC pump pulley/deflection roller
- 4 - Air-conditioning compressor pulley
- 5 - Crankshaft vibration balancer
- 6 - Coolant pump pulley
- 7 - Belt tensioner tensioning roller

1. Slacken the drive belt.



**Do not remove the drive belt when it is warm!**

- **Risk of damage or deformation!**

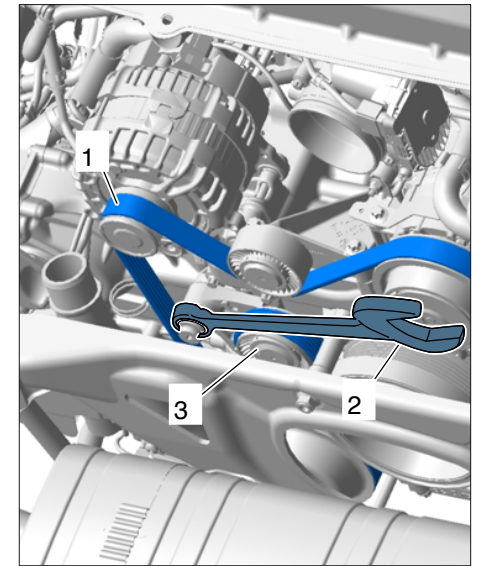
→ Only remove the drive belt when it is cold.



**Information**

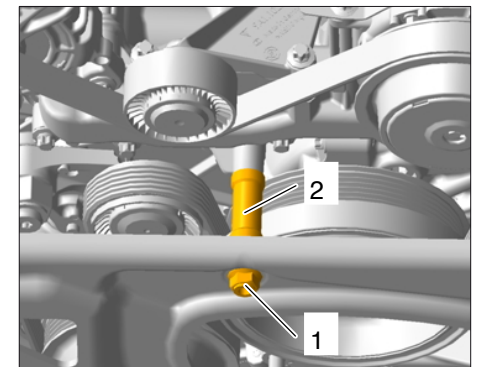
- *Mark running direction of drive belt with a coloured pen.*
- *Even minor damage means that the drive belt must be replaced (even outside of a maintenance interval).*
- *If the drive belt has to be replaced (change interval), it can be cut to facilitate removal.*

- 1.1. Fit a ring wrench (a/f 30) **-2-** on the hexagon on the tensioner **-3-**, turn it clockwise as far as it will go and hold it at that position.
- 1.2. Remove the drive belt **-1-** from the pulley on the generator.
- 1.3. Carefully allow the tensioning roller to slide back to its original position.



*Slackening/tensioning the drive belt*

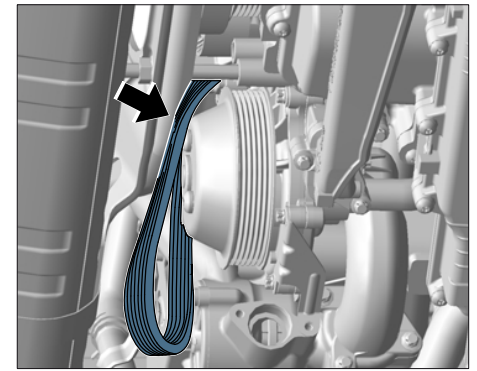
2. Remove special screw (M10 x 130) **-1-** through the bore on the rear-end carrier.



*Special screw on engine carrier and spacer sleeve*

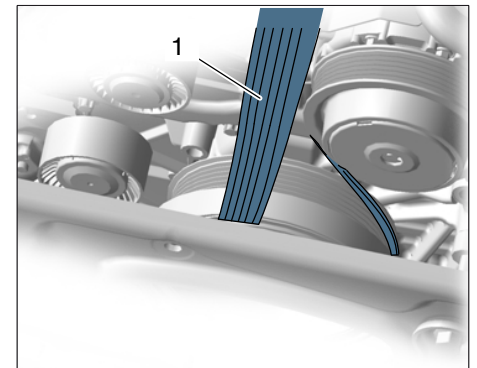
2.1. Pull spacer sleeve **-2-** up to the right and remove it. Press the engine carrier back slightly if necessary.

3. Slide the drive belt (flat side) up past the coolant pump pulley **-arrow-** .



*Drive belt on coolant pump pulley*

4. Turn the drive belt -1- 90 degrees, guide the flat side past the vibration balancer and remove it.



*Drive belt on vibration balancer*

5. Check pulleys for damage.



#### **Information**

- *Check for foreign objects in the grooves of the pulley.*

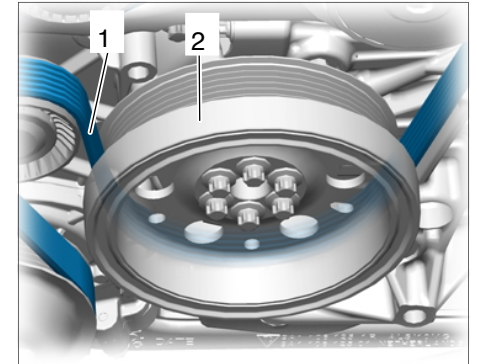
## **Installing drive belt**

## **Installing drive belt**

1. Guide the drive belt with the flat side **-1-** first past the vibration balancer **-2-** .

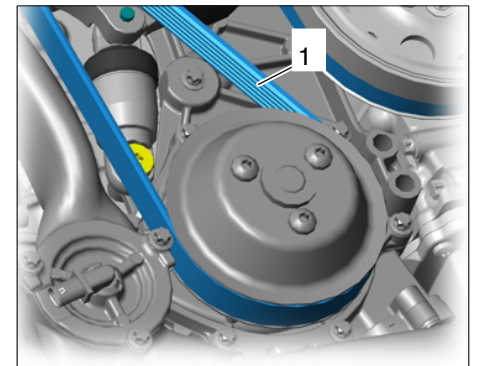
If you intend to reuse the old belt, make sure to observe the running direction marked earlier.

- 1.1. Position the belt on the running track on the vibration balancer.



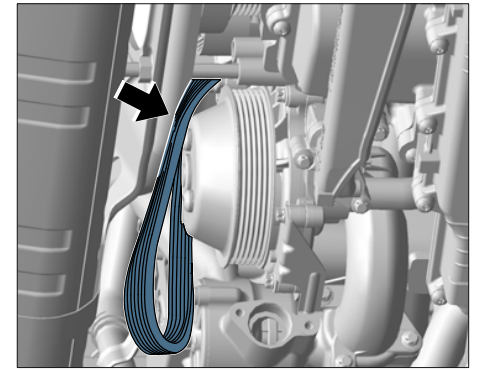
*Drive belt on vibration balancer*

2. Guide the drive belt **-1-** to the left past the coolant pump pulley.



*Guiding drive belt through coolant pump*

- 2.1. Then guide the flat side of the belt through between the pulley and engine carrier **-arrow-** .

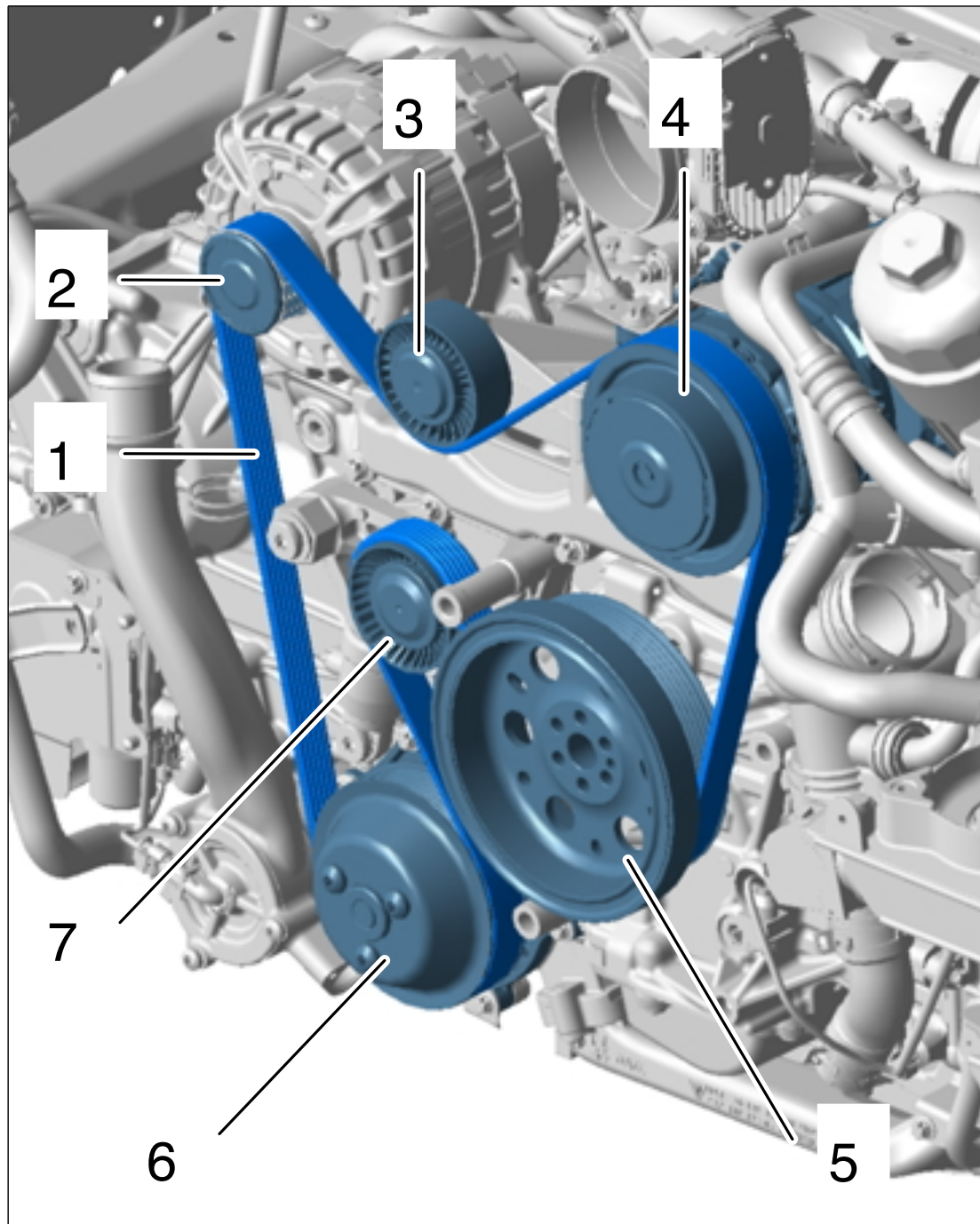


*Drive belt on coolant pump pulley*

3. Fit the drive belt on the pulleys for the air-conditioning compressor **-4-** , PDCC pump (or deflection roller) **-3-** and generator **-2-** .

3.1. Then, pre-position it on the tensioning roller.

**Drive belt routing:**





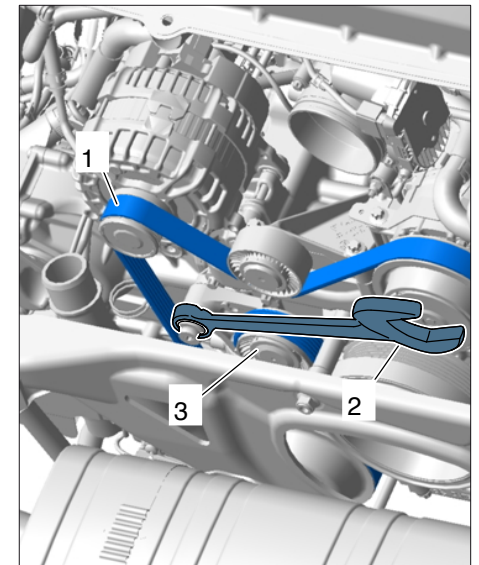
*Drive belt routing (engine removed)*

- 1** - Drive belt
- 2** - Generator pulley
- 3** - PDCC pump pulley/deflection roller
- 4** - Air-conditioning compressor pulley
- 5** - Crankshaft vibration balancer
- 6** - Coolant pump pulley
- 7** - Belt tensioner tensioning roller

4. Relieve the tensioner and slide the drive belt over the tensioning roller **-1-** .

4.1. Fit an open-ended wrench (a/f 30) **-2-** on the hexagon on the tensioner **-3-** and turn it clockwise as far as it will go.

4.2. Fit drive belt on the tensioning roller and let the tensioner slide slowly back into tensioning position (anti-clockwise).



*Tensioning/slackening the drive belt*

5. Check that the drive belt is fitted correctly.

## Subsequent work

### Subsequent work

1. → *242519 Removing and installing air cleaner housing*
2. → *665819 Removing and installing rear spoiler*

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991110, 991111, 991120, 991121, 991130, 991131, 991140, 991141, 991160, 991161, 991310, 991311, 991320, 991321, 991340, 991341, 991360, 991361, 991410, 991411, 991420, 991421, 991430, 991431, 991440, 991441, 991450, 991451, 991460, 991461, 991510, 991511, 991520, 991521, 991540, 991541, 991610, 991611, 991620, 991621, 991630, 991631, 991640, 991641, 991650, 991651, 991660, 991661, 991810, 991811, 991850, 991851, 991880, 991881

Model year as of 2012

C00, C02, C05, C06, C07, C08, C09, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C32, C33, C34, C35, C36, C37, C38, C39, C41, C45, C46, C96, C97, C98, C99