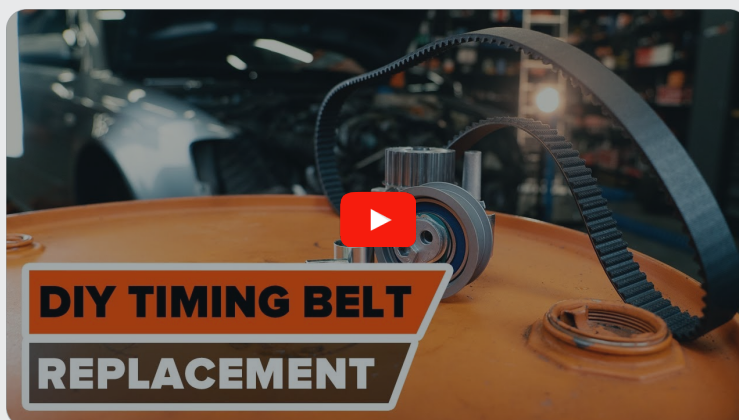




How to change water pump & timing belt kit on **AUDI A3 Sportback (8PA)** – replacement guide

## SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

### Important!

This replacement procedure can be used for:

AUDI A3 Sportback (8PA) 2.0 TFSI, AUDI A3 Sportback (8PA) 2.0 TFSI quattro, AUDI A3 Sportback (8PA) S3 quattro

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: AUDI A4 B7 Saloon (8EC) 2.0 TFSI

**REPLACEMENT: WATER PUMP & TIMING BELT KIT –  
AUDI A3 SPORTBACK (8PA). LIST OF THE TOOLS  
YOU'LL NEED:**



- Wire brush
- WD-40 spray
- All-purpose cleaning spray
- Sealant
- Torque wrench
- Combination spanner #13
- Combination spanner #17
- Combination spanner #19
- Combination spanner #22
- Torx bit T20
- Torx bit T25
- Torx bit T27
- 12-point socket # 19
- Drive socket # 7
- Drive socket # 10
- Drive socket # 12
- Drive socket # 13
- HEX bit No.H6
- HEX bit No.H8
- Wheel impact socket #17
- Ratchet wrench
- Tap wrench
- Clip removal tool
- Flat Screwdriver
- Phillips screwdriver
- Crow bar
- Water pump pliers
- Clic-R collar pliers
- Round-nose pliers
- Seal scraper
- Funnel
- Fluid container
- Hydraulic transmission jack
- Jack
- Painter's tape
- Microfibre towel
- Fender cover

**Buy tools**

Replacement: water pump & timing belt kit – AUDI A3 Sportback (8PA). Tip from AUTODOC experts:

- Follow the terms, recommendations and requirements of the part operation provided by the manufacturer.
- Warning! Shut down the engine before starting any work – AUDI A3 Sportback (8PA).

## CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

**1** Open the bonnet.

**2** Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

**3** Unscrew the fasteners of the car battery terminals. Use a drive socket #10. Use a ratchet wrench.



**4** Remove the battery terminals.



**5** Unscrew the coolant reservoir cap.



**6** Loosen the bumper upper fasteners. Use Torx T27. Use a drive socket #10. Use a ratchet wrench.



**7** Lift the car using a jack or place it over an inspection pit.

**8** Unscrew the wheel bolts. Use wheel impact socket #17.



**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.  
AUDI A3 Sportback (8PA)

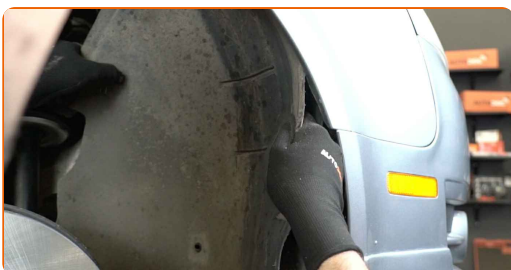
**9** Remove the wheel.



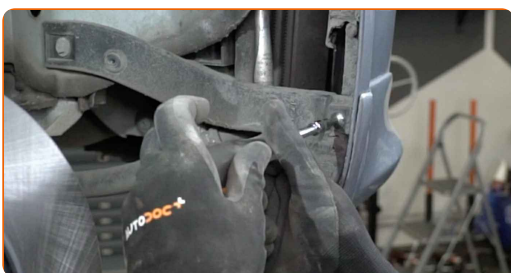
**10** Unscrew and remove the wheel arch cover fasteners. Use Torx T25. Use a ratchet wrench.



**11** Remove the wheel arch cover.



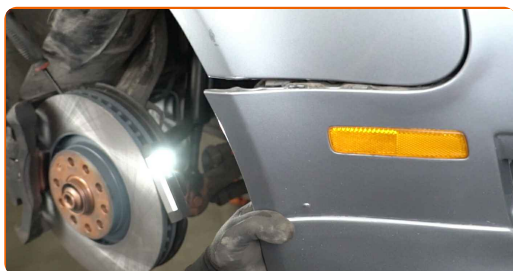
**12** Unscrew the fastener of the spacer under the bumper reinforcement bar. Use Torx T25. Use a drive socket #10. Use a ratchet wrench.



**13** Unscrew the fastener connecting the bumper to the fenders. Use a drive socket #10. Use a ratchet wrench.



**14** Release the side clips of the bumper. Carefully release the bumper from the fasteners.

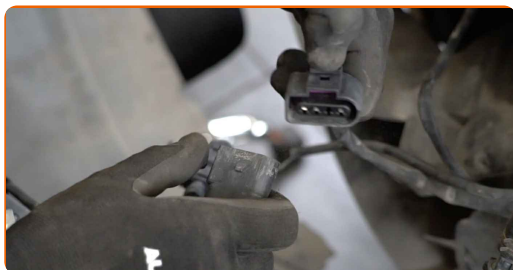


**15** Lower the car.

**16** Unscrew the upper fasteners of the bumper and remove it. Use Torx T27. Use a drive socket #10. Use a ratchet wrench.



**17** Detach the connectors of the fog lights.



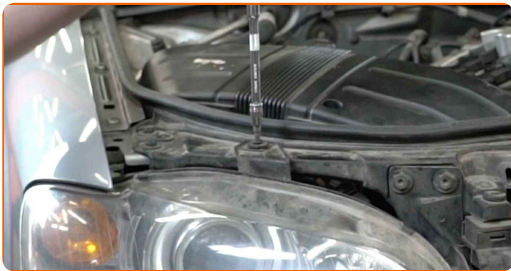
**18**

Detach the headlamp washer hose.



**19**

Unscrew the headlight fasteners. Use Torx T27. Use a ratchet wrench.



**20**

Remove the headlight.



Replacement: water pump & timing belt kit – AUDI A3 Sportback (8PA). Tip from AUTODOC:

- Do not apply excessive force when removing the part. Otherwise you may damage it.



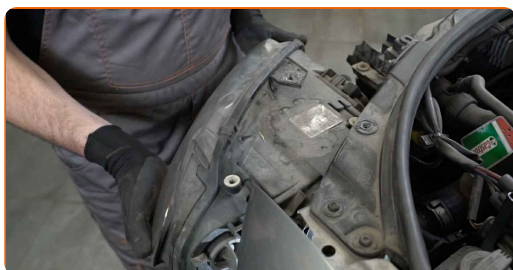
**21** Unplug the connectors of the headlight bulbs. Use a clip removal tool.



**22** Unscrew the headlight fasteners. Use Torx T27. Use a ratchet wrench.



**23** Remove the headlight.

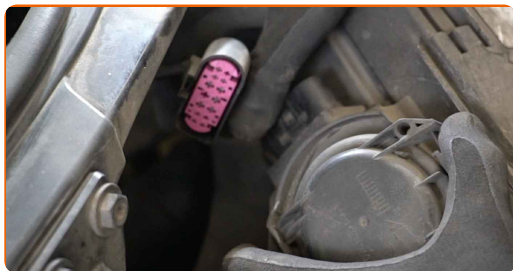


Replacement: water pump & timing belt kit – AUDI A3 Sportback (8PA).  
AUTODOC recommends:

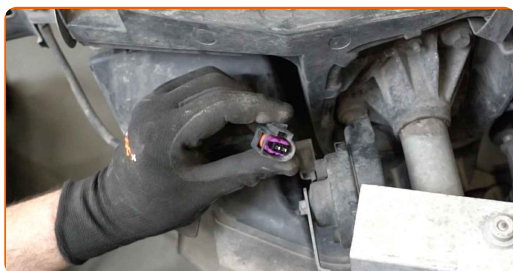
- Do not apply excessive force when removing the part. Otherwise you may damage it.

**24**

Unplug the connectors of the headlight bulbs. Use a clip removal tool.

**25**

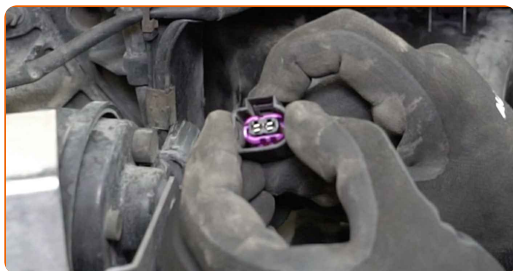
Unplug the horn connector.

**26**

Detach the air duct.

**27**

Unplug the horn connector.

**28**

Remove the air duct.



Replacement: water pump & timing belt kit – AUDI A3 Sportback (8PA). Tip:

- Do not apply excessive force when removing the part. Otherwise you may damage it.

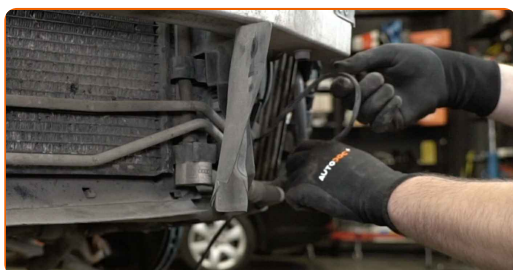
29

Unplug the connector of the coolant temperature sensor.



30

Detach the wiring of the coolant temperature sensor. Use a flat screwdriver.



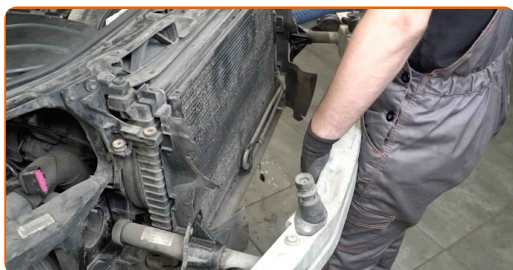
31

Unscrew the fasteners of the bumper reinforcement bar. Use a drive socket #13. Use a ratchet wrench.

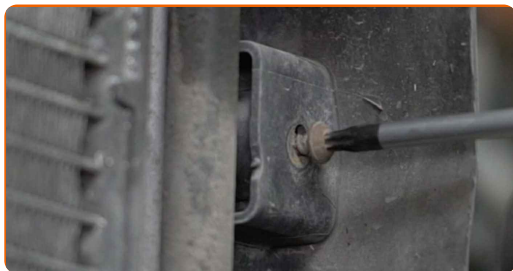


32

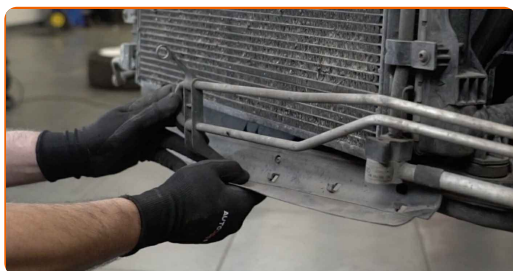
Remove the bumper reinforcement bar.



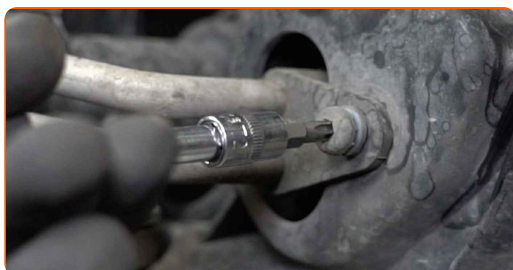
**33** Unscrew the fasteners of the radiator air guides. Use Torx T20. Use a ratchet wrench.



**34** Remove the radiator air guides.

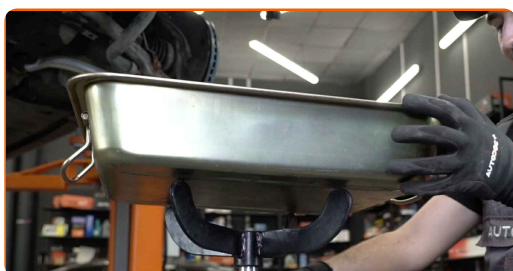


**35** Unscrew the fasteners of the hydraulic power steering hoses. Use Torx T20. Use Torx T27. Use a ratchet wrench.

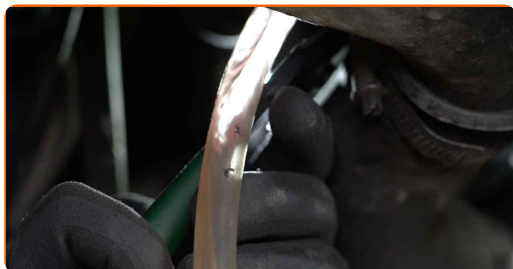


**36** Detach the hydraulic power steering hoses.

**37** Prepare a container for fluids.



**38** Open the coolant drain tap. Use water pump pliers.



**39** Drain the coolant from the engine.



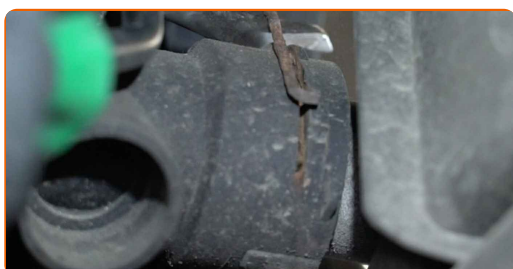
Replacement: water pump & timing belt kit – AUDI A3 Sportback (8PA).  
Professionals recommend:

- Caution! The coolant can be very hot.
- Wear gloves to prevent contact with hot liquid.
- All work should be done with the engine stopped.

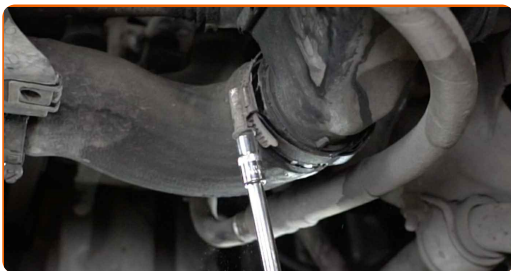
**40** Close the coolant drain tap.

**41** Detach the clip of the lower coolant hose. Use a clip removal tool.

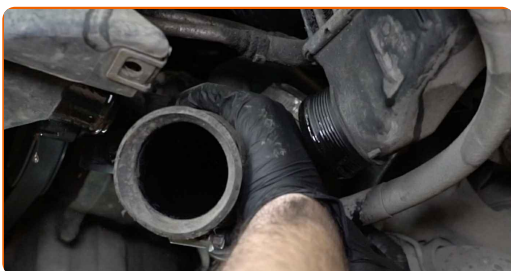
**42** Detach the lower coolant pipe. Use a crowbar.



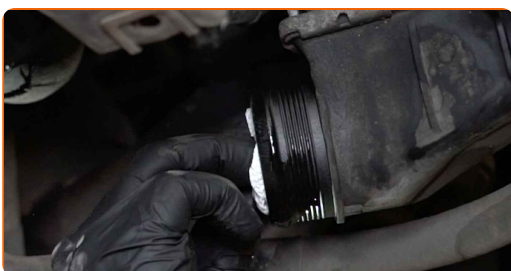
**43** Detach the air intake hose clamp. Use a drive socket #7. Use a ratchet wrench.



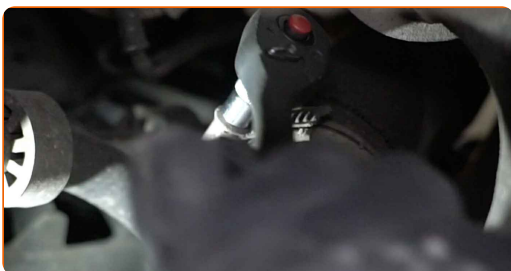
**44** Remove the air intake pipe.



**45** Cover the intercooler air guide with a microfibre cloth to prevent dirt and foreign objects from getting into the system.



**46** Detach the air intake hose clamp. Use a drive socket #7. Use a ratchet wrench.



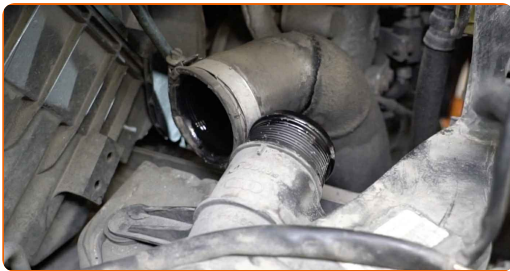
**47** Clean the air hose fastener. Use all-purpose cleaning spray.



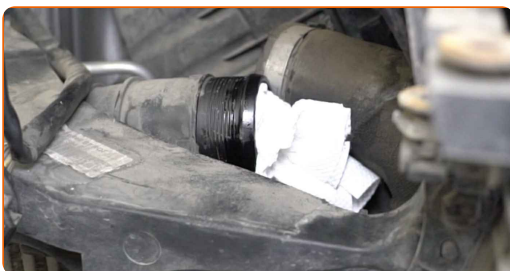
**48** Detach the air intake hose clamp. Use a drive socket #7. Use a ratchet wrench.



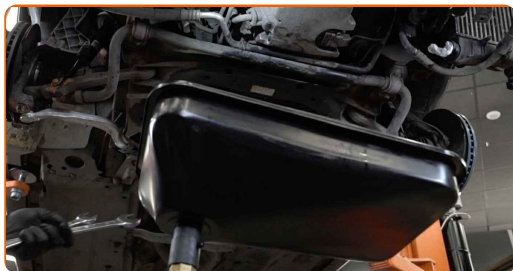
**49** Remove the air intake pipe.



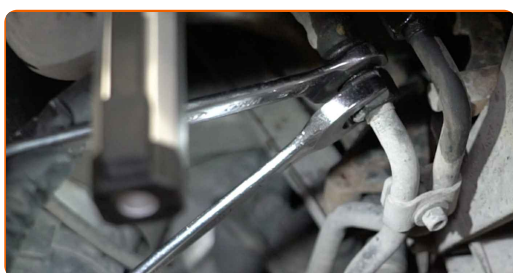
**50** Cover the intercooler air guide with a microfibre cloth to prevent dirt and foreign objects from getting into the system.



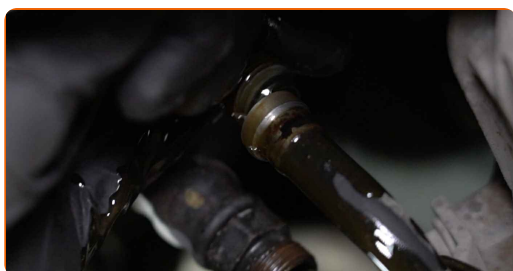
**51** Prepare a container for fluids.



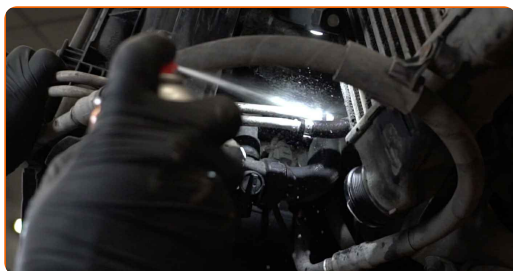
**52** Loosen the fastener of the hose of the automatic transmission fluid cooling line. Use a combination spanner #19. Use a combination spanner #22.



**53** Detach the hose of the automatic transmission fluid cooling line.

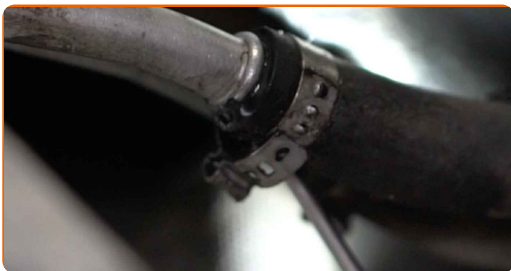


**54** Clean the hose of the automatic transmission fluid cooling line. Use a wire brush. Use all-purpose cleaning spray.

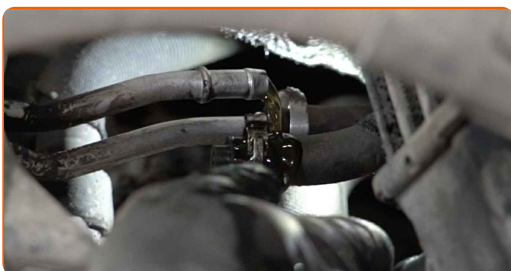




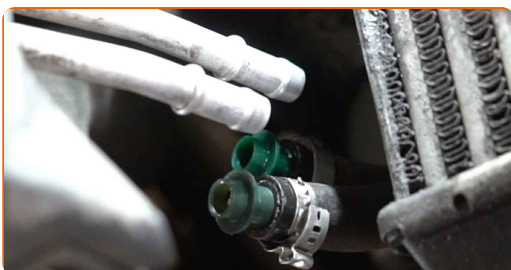
**55** Detach the clamps of the pipes of the automatic transmission fluid cooling line. Use a flat screwdriver.



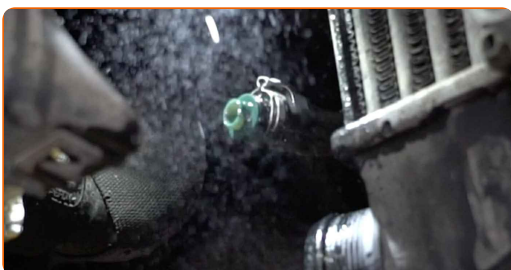
**56** Remove the pipes of the automatic transmission fluid cooling line.



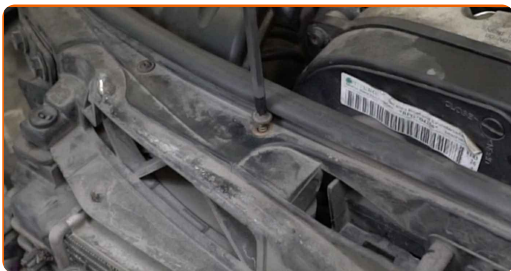
**57** Close the pipes of the automatic transmission fluid cooling line with caps.



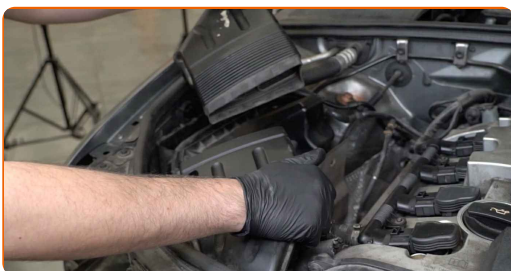
**58** Clean the pipes of the automatic transmission fluid cooling line. Use all-purpose cleaning spray.



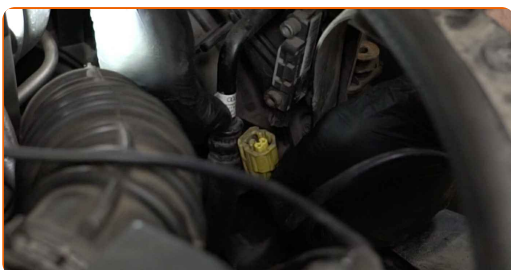
**59** Unscrew the fasteners of the air intake duct. Use a Phillips screwdriver.



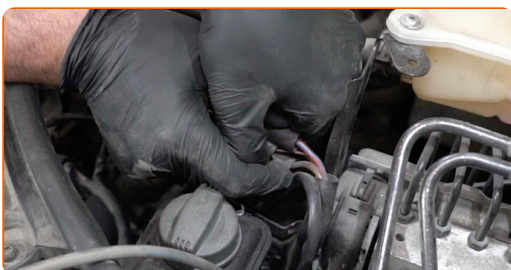
**60** Remove the air intake duct.



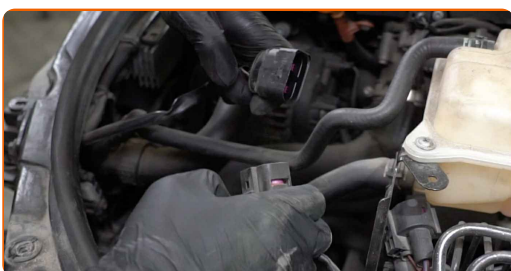
**61** Unplug the connector of the engine cooling fans.



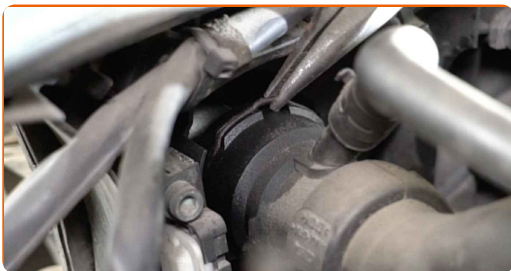
**62** Remove the wiring harness holder.



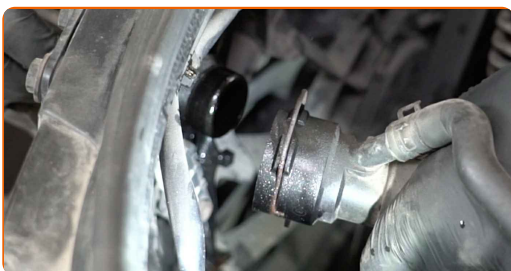
**63** Unplug the connector of the engine cooling fans.



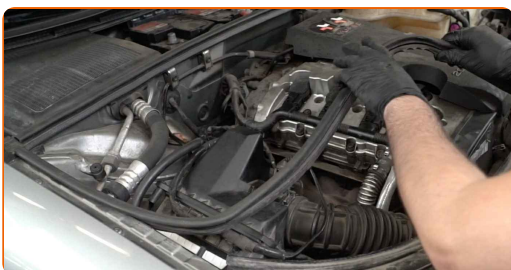
**64** Detach the clip of the upper coolant hose. Use round-nose pliers.



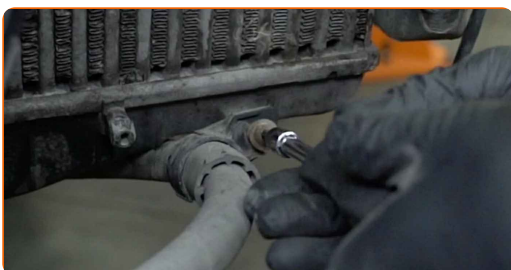
**65** Detach the upper coolant hose.



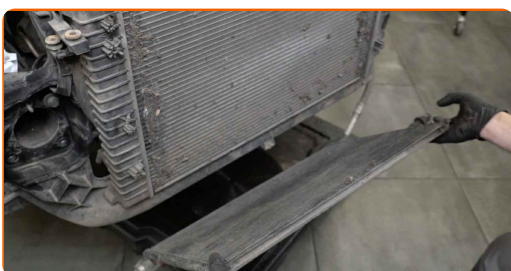
**66** Remove the bonnet weather strip.



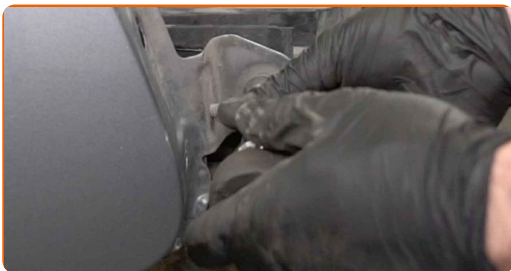
**67** Unscrew the fasteners of the air conditioning radiator. Use Torx T27. Use a ratchet wrench.



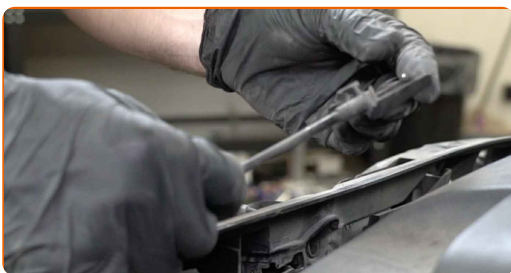
**68** Remove the air conditioning radiator.



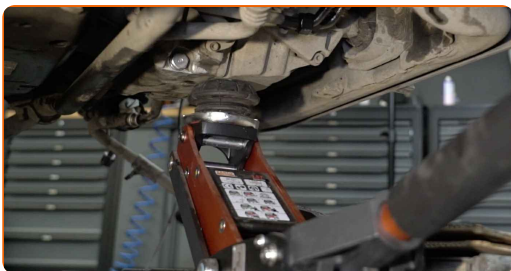
**69** Unscrew the fasteners of the engine cooling radiator support panel. Use Torx T27. Use a ratchet wrench.



**70** Remove the bonnet latch cable.



**71** Support the engine in the oil pan area. Use a jack.



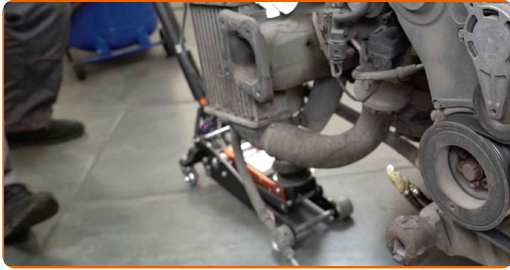
**72** Remove the support panel together with the engine cooling radiator.



**AUTODOC recommends:**

- Replacement: water pump & timing belt kit – AUDI A3 Sportback (8PA). Do not use excessive force when removing the part as this may damage it.

**73** Remove the support from under the engine.



**74** Remove the engine cover.



Replacement: water pump & timing belt kit – AUDI A3 Sportback (8PA).  
AUTODOC recommends:

- Raise the engine cover, holding it on two sides simultaneously.
- Do not apply excessive force when removing the part. Otherwise you may damage it.

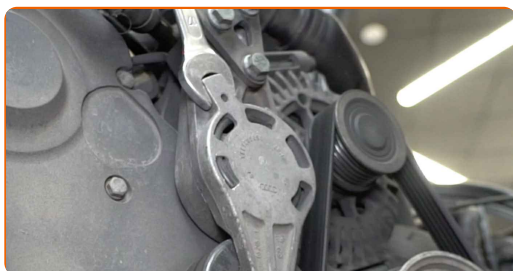
**75** Unscrew the fasteners of the front upper timing belt cover. Use a flat screwdriver.



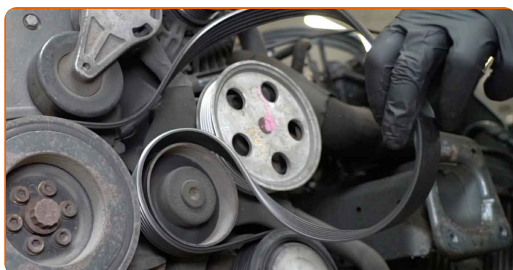
**76** Remove the front upper timing belt cover.



**77** Pull aside the V-ribbed belt tensioner pulley. Use a combination spanner #17.



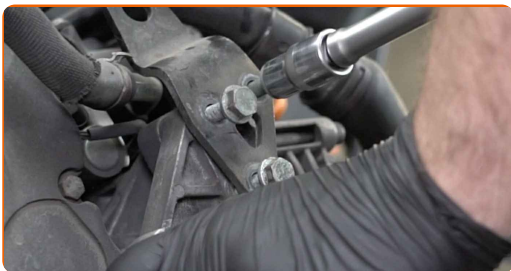
**78** Remove the V-ribbed belt.



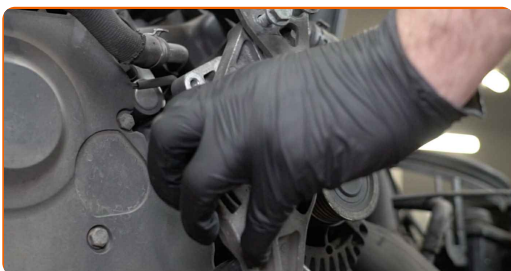
**79** Return the tensioner pulley to its initial position. Use a combination spanner #17.



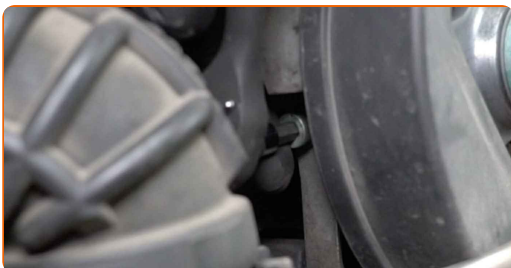
**80** Unscrew the fastener of the serpentine belt tensioner pulley. Use a drive socket #13. Use a ratchet wrench.



**81** Remove the serpentine belt tensioner pulley.



**82** Unscrew the fastener of the coolant hose clamp. Use HEX No.H6. Use a ratchet wrench.

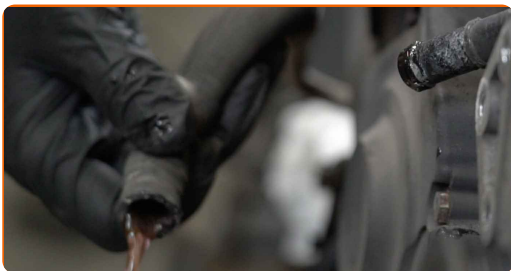


**83** Loosen the coolant hose clamp. Use clic-R collar pliers.



84

Detach the coolant hose.



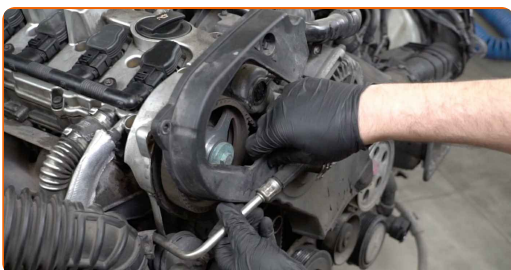
85

Unscrew the fasteners of the timing belt cover. Use a drive socket #10. Use Torx T27. Use a ratchet wrench.



86

Remove the timing belt cover.



87

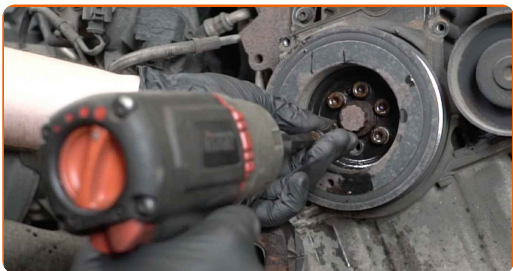
Clean the crankshaft pulley fasteners. Use a wire brush. Use WD-40 spray.





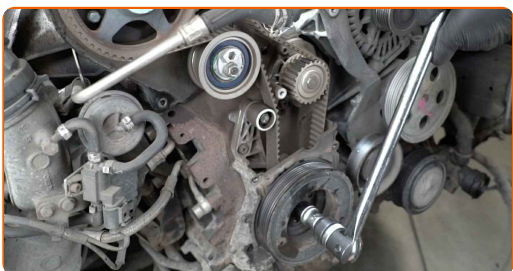
88

Unscrew the crankshaft pulley fastener. Use HEX No.H6. Use a ratchet wrench.



89

Turn the crankshaft gear. Use 12-point socket No.19. Use a tap wrench.



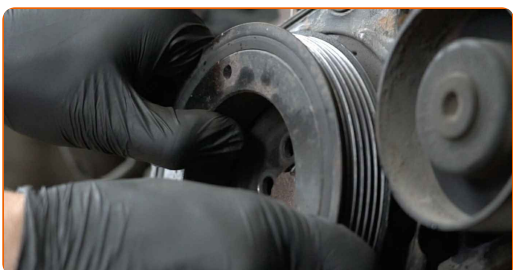
90

Lock the crankshaft. Use a crowbar.



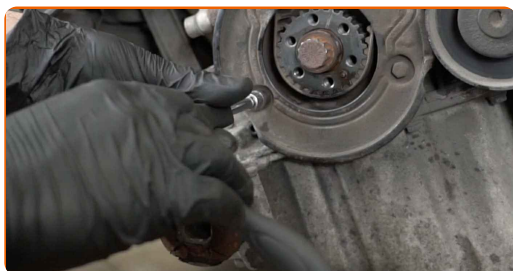
91

Remove the crankshaft pulley.



92

Unscrew the fasteners of the lower timing cover. Use a drive socket #10. Use a ratchet wrench.



93

Remove the lower timing cover.

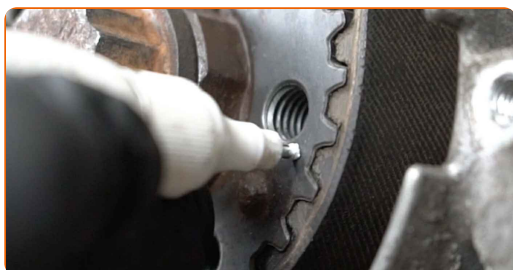
94

Make a mark on the crankshaft gear.



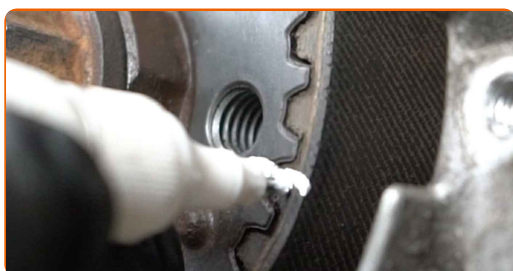
95

Make a mark on the camshaft gear.



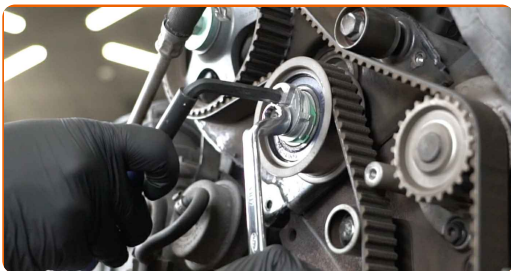
96

Make a mark on the timing belt.



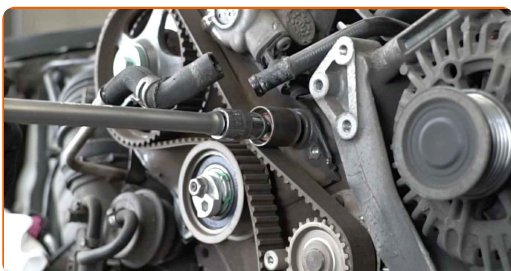
97

Loosen the fastener of the timing belt tensioner pulley. Use a combination spanner #13. Use HEX No.H8.



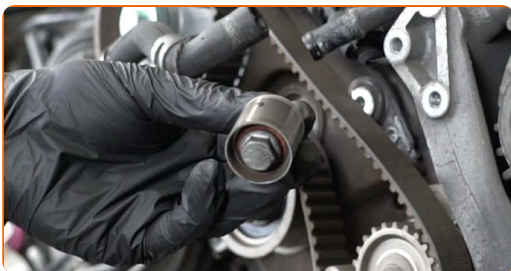
98

Unscrew the fastener of the timing belt idler pulley. Use a drive socket #13. Use a ratchet wrench.



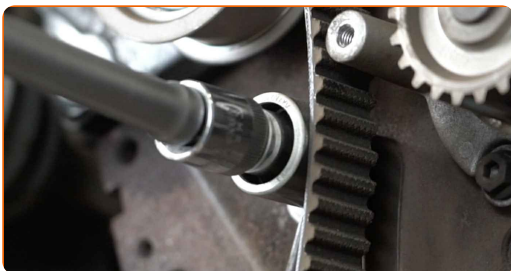
99

Remove the timing belt idler pulley from its mounting seat.

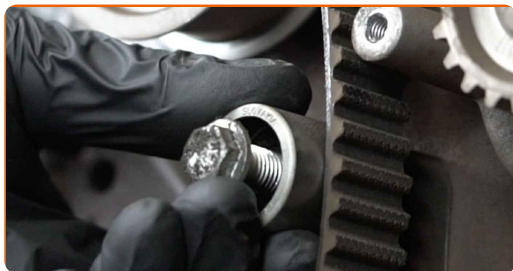


100

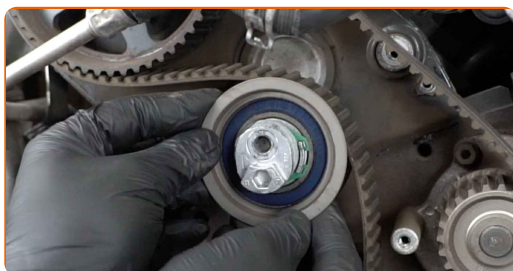
Unscrew the fastener of the timing belt idler pulley. Use a drive socket #12. Use a ratchet wrench.



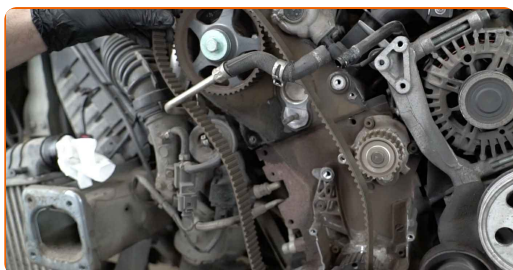
**101** Remove the timing belt idler pulley from its mounting seat.



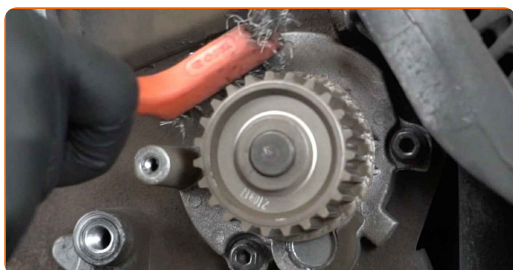
**102** Remove the timing belt tensioner pulley.



**103** Remove the timing belt.



**104** Clean the water pump fasteners. Use a wire brush. Use all-purpose cleaning spray.



**105** Unscrew the water pump fasteners. Use a drive socket #10. Use a ratchet wrench.



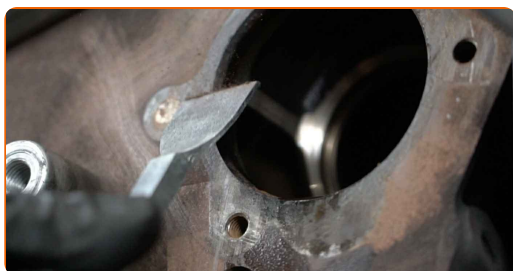
**106** Remove the water pump.



Replacement: water pump & timing belt kit – AUDI A3 Sportback (8PA).  
AUTODOC experts recommend:

- Caution! Coolant may come out from the water pump channels and body.

**107** Clean the water pump mounting seat. Use a seal scraper. Use all-purpose cleaning spray.



**108** Clean the water pump. Use all-purpose cleaning spray.

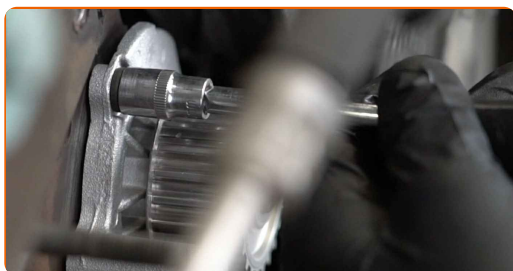


**109** Treat the water pump mounting seat. Use a sealant.

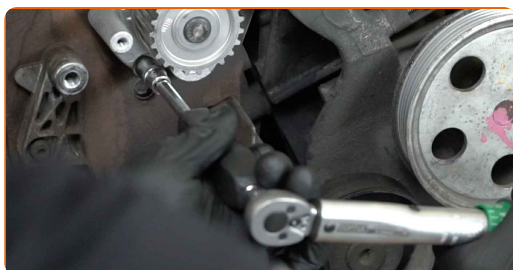
**110** Install the new water pump.



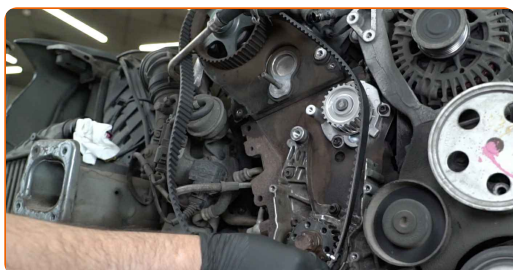
**111** Screw in the water pump fasteners. Use a drive socket #10. Use a ratchet wrench.



**112** Tighten the water pump fasteners. Use a drive socket #10. Use a torque wrench. Tighten it to 15 Nm torque.



**113** Install the new timing belt according to the factory marks.



**Replacement: water pump & timing belt kit – AUDI A3 Sportback (8PA). Tip:**

- Be careful not to damage the timing belt.

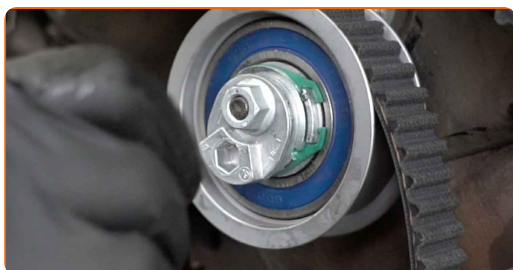
**114** Install the timing belt tensioner pulley.



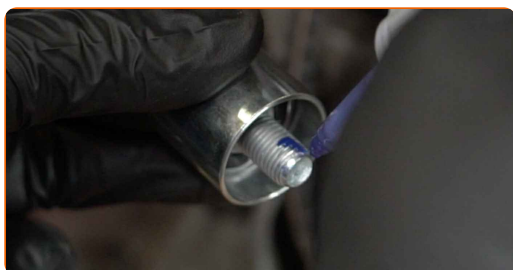
**115** Treat the fastening bolt. Use a sealant.



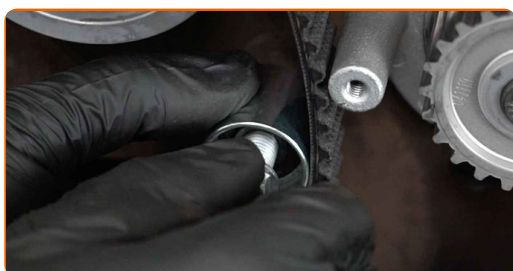
**116** Screw in the fastener of the timing belt tensioner pulley. Use a drive socket #13. Use a ratchet wrench.



**117** Treat the fastening bolt. Use a sealant.

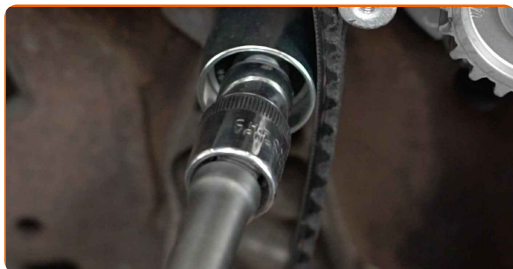


**118** Install the timing belt idler pulley.



**119**

Screw in the fastener of the timing belt idler pulley. Use a drive socket #12. Use a ratchet wrench.



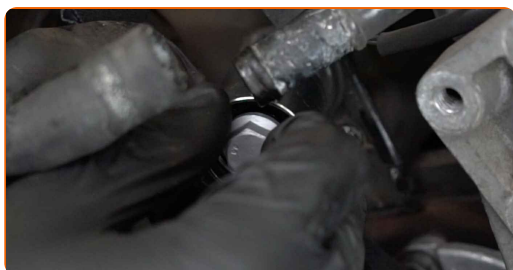
**120**

Treat the fastening bolt. Use a sealant.



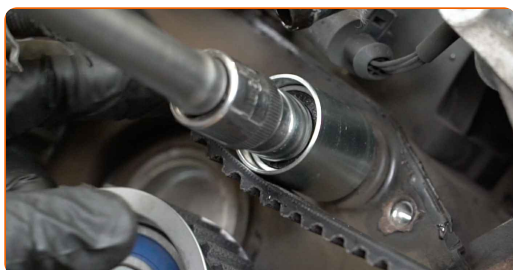
**121**

Install the timing belt idler pulley.



**122**

Screw in the fastener of the timing belt idler pulley. Use a drive socket #13. Use a ratchet wrench.





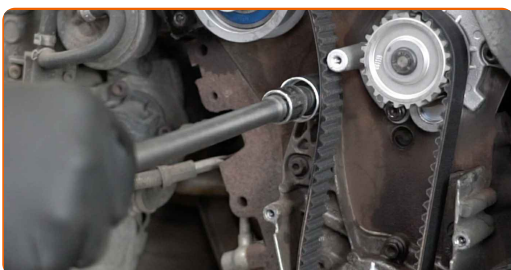
**123**

Tighten the fastener of the timing belt idler pulley. Use a drive socket #13. Use a torque wrench. Tighten it to 25 Nm torque.



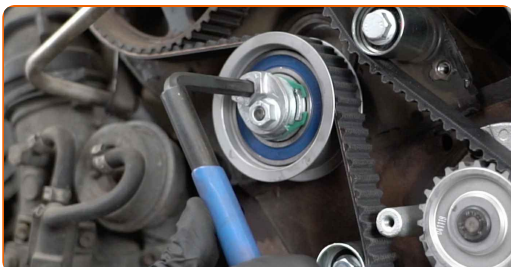
**124**

Tighten the fastener of the timing belt idler pulley. Use a drive socket #12. Use a torque wrench. Tighten it to 25 Nm torque.



**125**

Adjust the timing belt tension by moving the tensioner pulley. Use a combination spanner #13. Use HEX No.H6.

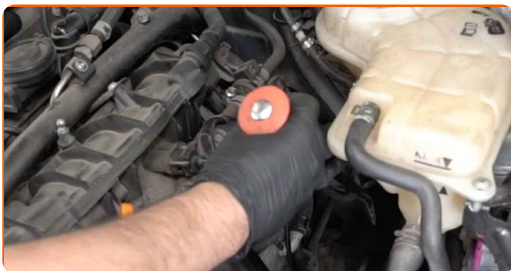


Replacement: water pump & timing belt kit – AUDI A3 Sportback (8PA). Tip from AUTODOC:

- Make sure that the timing belt is properly tensioned.

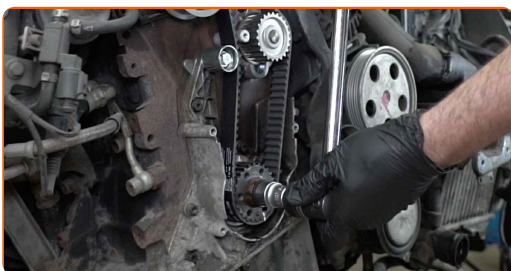
126

Remove the crankshaft locking tool.



127

Turn the crankshaft gear. Use 12-point socket No.19. Use a ratchet wrench.

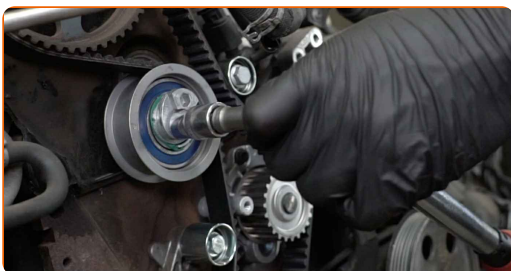


Replacement: water pump & timing belt kit – AUDI A3 Sportback (8PA).  
AUTODOC recommends:

- Make sure all the timing belt components are mounted correctly.

128

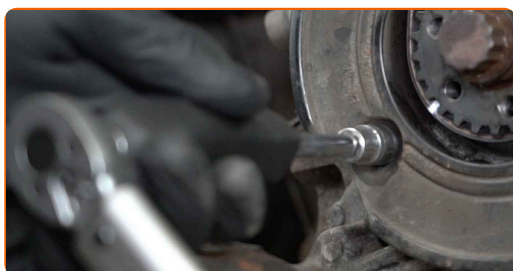
Tighten the fastener of the timing belt tensioner pulley. Use a drive socket #13. Use a torque wrench. Tighten it to 27 Nm torque.



**129** Install the lower timing cover.



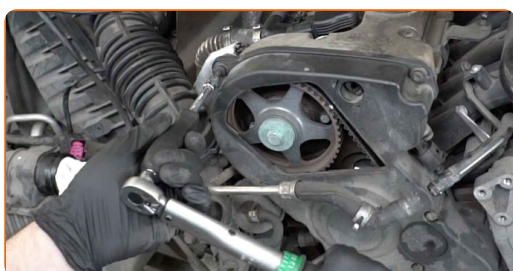
**130** Tighten the fasteners of the lower timing cover. Use a drive socket #10. Use a torque wrench. Tighten it to 10 Nm torque.



**131** Install the timing belt cover.



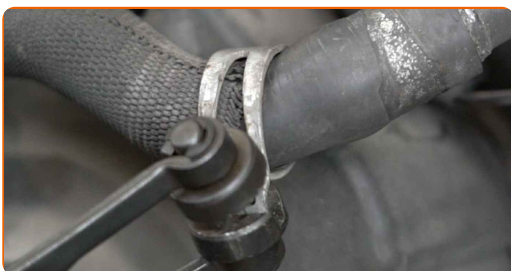
**132** Tighten the timing belt cover fasteners. Use a drive socket #10. Use Torx T27. Use a torque wrench. Tighten it to 10 Nm torque.



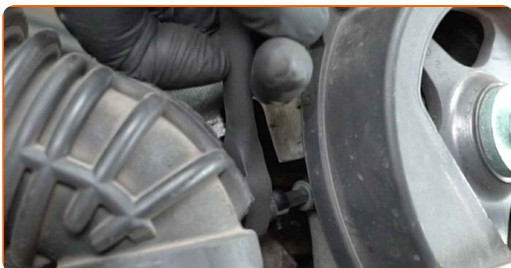
**133** Attach the coolant hose.



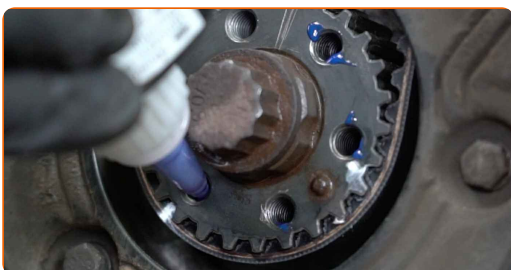
**134** Secure the coolant hose clamp. Use clic-R collar pliers.



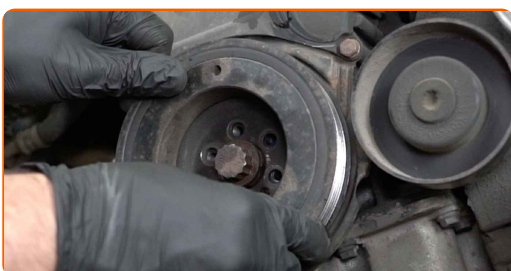
**135** Screw in the fastener of the coolant hose clamp. Use HEX No.H6. Use a ratchet wrench.



**136** Treat the fastening bolts. Use a sealant.

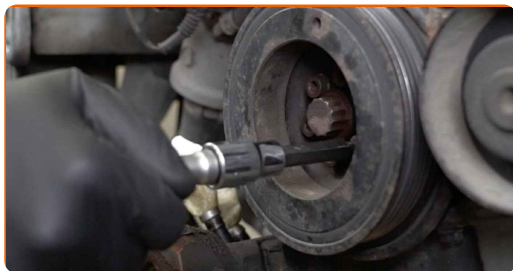


**137** Install the crankshaft pulley according to the factory marks.



138

Tighten the crankshaft pulley fastener. Use HEX No.H6. Use a torque wrench. Tighten it to 10 Nm torque.+90°

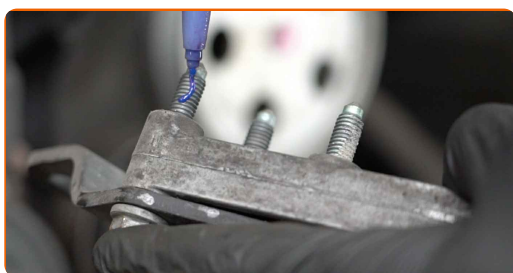


**AUTODOC recommends:**

- Important! Be sure to use new fasteners.

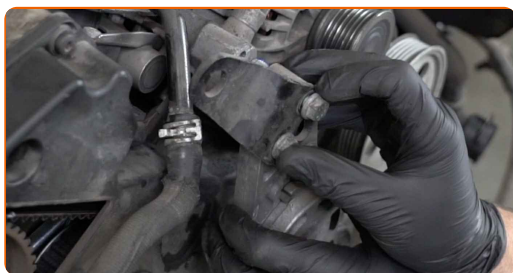
139

Treat the fastening bolts. Use a sealant.



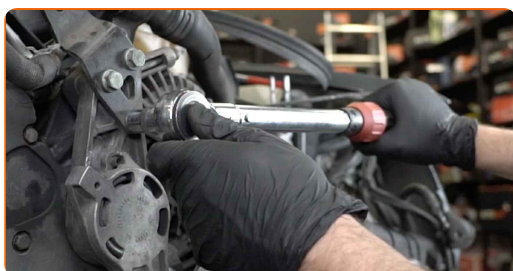
140

Install the serpentine belt tensioner pulley.



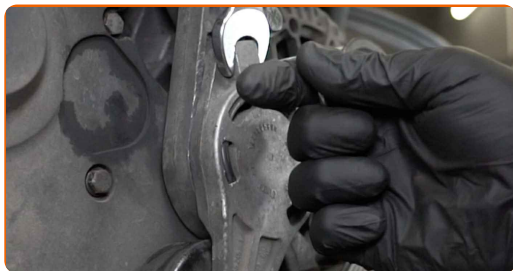
141

Tighten the fastener of the serpentine belt tensioner pulley. Use a drive socket #13. Use a torque wrench. Tighten it to 23 Nm torque.



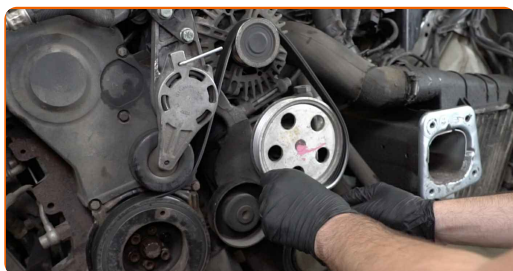
142

Pull aside the V-ribbed belt tensioner pulley. Use a combination spanner #17.



143

Install the V-ribbed belt.



Replacement: water pump & timing belt kit – AUDI A3 Sportback (8PA). Tip:

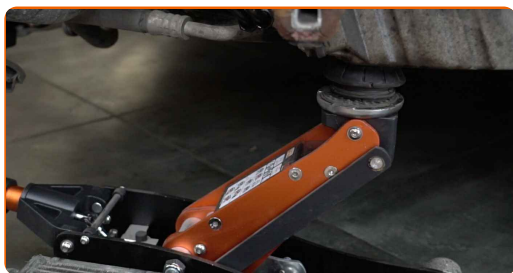
- Make sure that the V-ribbed belt fits all pulleys snugly.

144

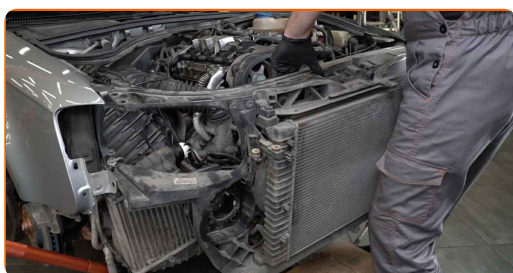
Return the tensioner pulley to its initial position. Use a combination spanner #17.



**145** Support the engine in the oil pan area. Use a jack.



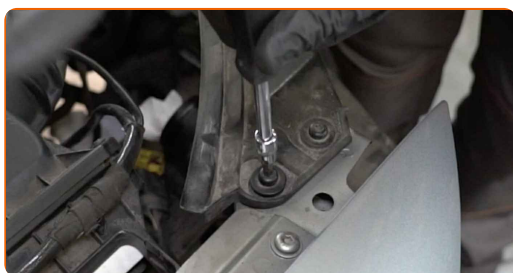
**146** Install the support panel together with the engine cooling radiator.



**AUTODOC recommends:**

- Replacement: water pump & timing belt kit – AUDI A3 Sportback (8PA). Do not use excessive force during installation. This may damage the fasteners.

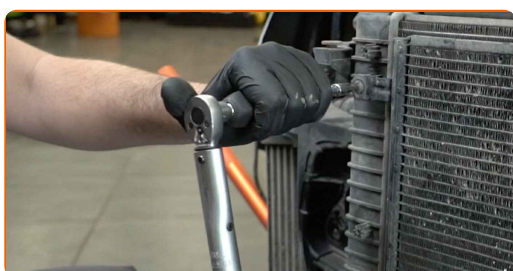
**147** Screw in the fasteners of the engine cooling radiator support panel. Use Torx T27. Use a ratchet wrench.



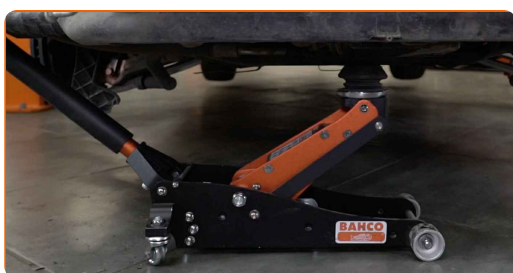
**148** Install the air conditioning radiator.



**149** Tighten the fasteners of the air conditioning radiator. Use Torx T27. Use a torque wrench. Tighten it to 13 Nm torque.



**150** Remove the support from under the engine.



**151** Attach the lower coolant pipe.



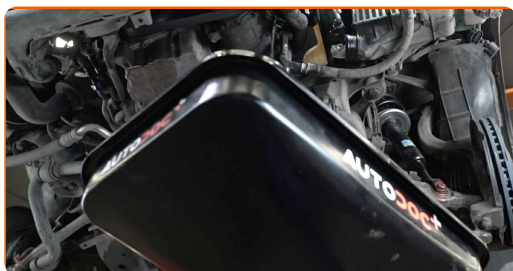
**152** Attach the clip of the lower coolant hose.

**153** Install the pipes of the automatic transmission fluid cooling line.

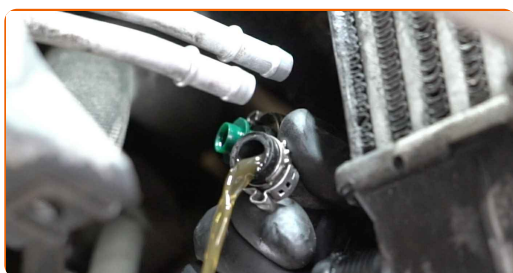
**154** Attach the clamps of the pipes of the automatic transmission fluid cooling line.



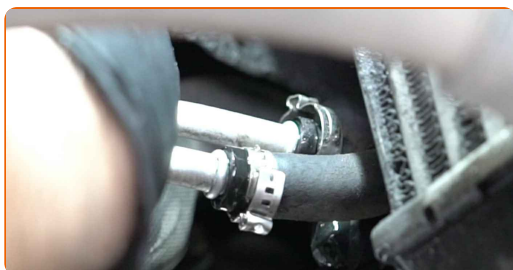
**155** Prepare a container for fluids.



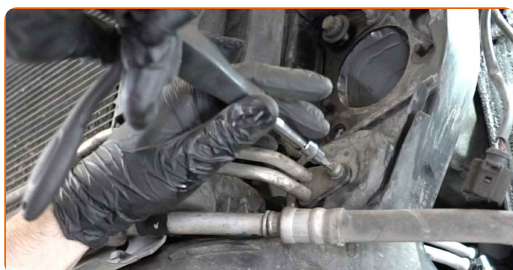
**156** Remove the caps from the pipes of the automatic transmission fluid cooling line.



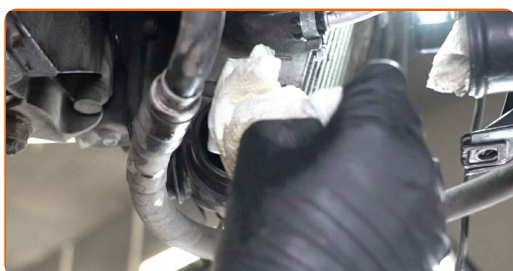
**157** Attach the hydraulic power steering hoses.



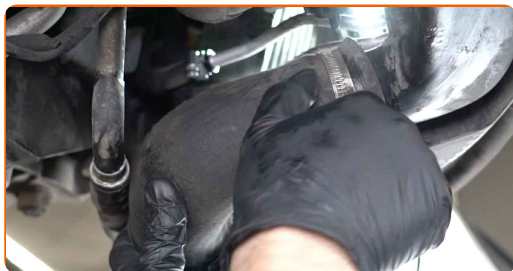
**158** Screw in the fasteners of the hydraulic power steering hoses. Use Torx T20. Use Torx T27. Use a ratchet wrench.



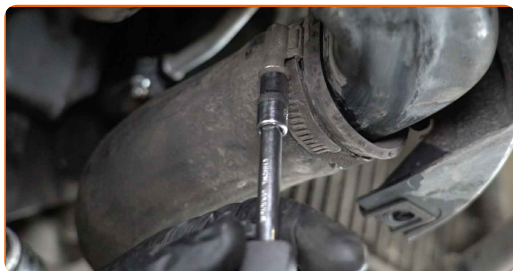
**159** Remove the microfibre cloth from the intercooler air guide.



**160** Install the air intake pipe and secure it.



**161** Fasten the clamp on the air intake hose. Use a drive socket #7. Use a ratchet wrench.



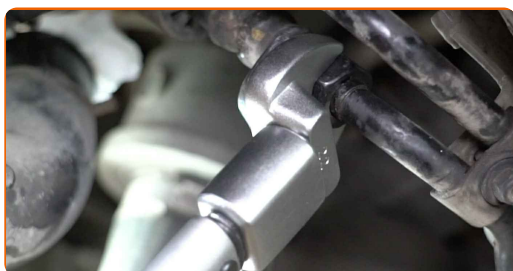
**162** Clean the pipes of the automatic transmission fluid cooling line. Use all-purpose cleaning spray.



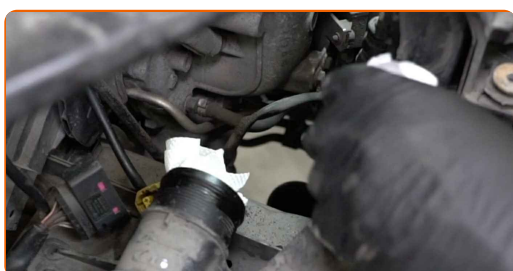
**163** Attach the hose of the automatic transmission fluid cooling line.



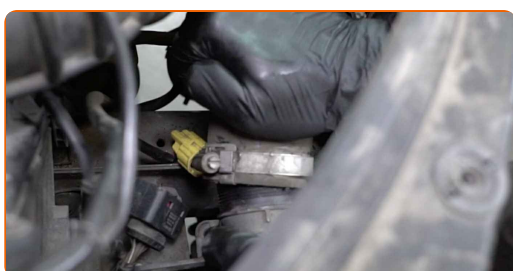
- 164** Tighten the fastener of the hose of the automatic transmission fluid cooling line. Use a combination spanner #19. Use a combination spanner #22. Use a torque wrench. Observe the recommended tightening torque.



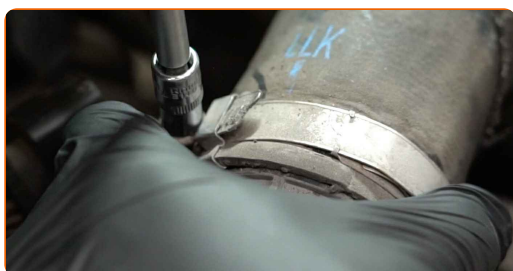
- 165** Remove the microfibre cloth from the intercooler air guide.



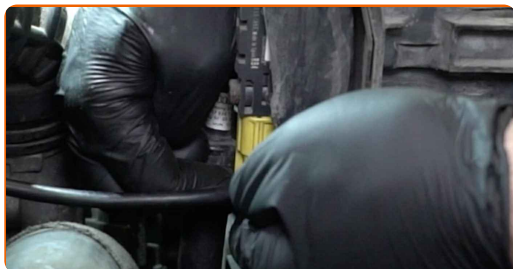
- 166** Install the air intake pipe and secure it.



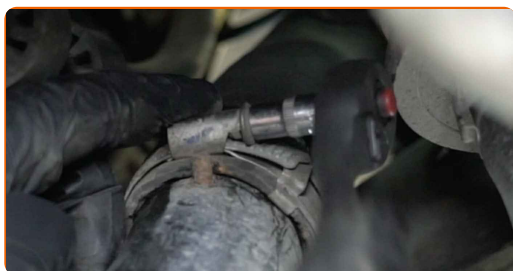
- 167** Fasten the clamp on the air intake hose. Use a drive socket #7. Use a ratchet wrench.



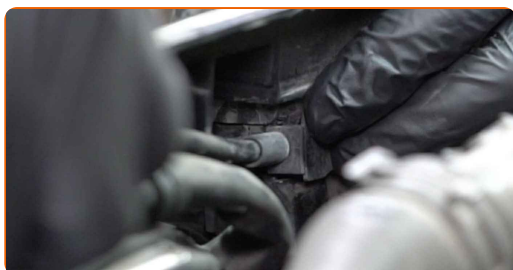
**168** Plug in the connector of the engine cooling fans.



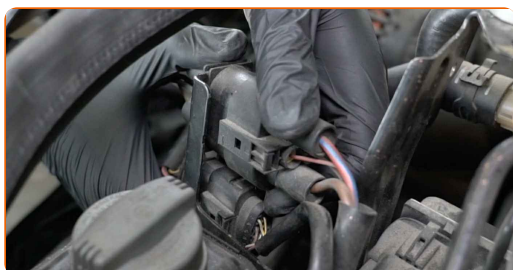
**169** Fasten the clamp on the air intake hose. Use a drive socket #7. Use a ratchet wrench.



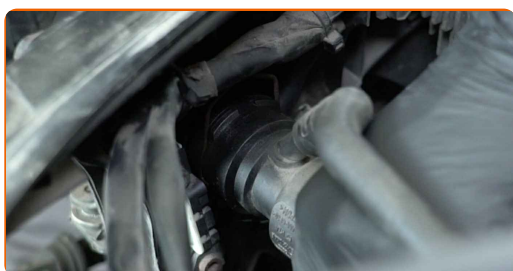
**170** Install the bonnet latch cable.



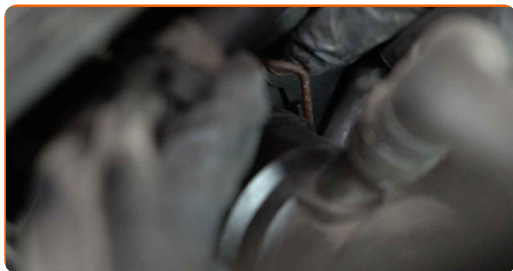
**171** Install the wiring harness holder.



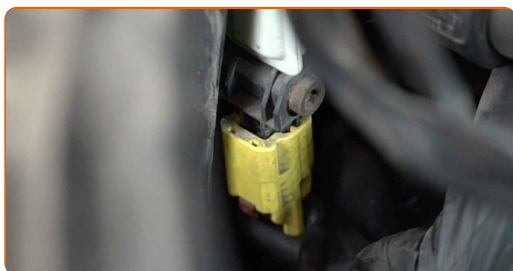
**172** Attach the upper coolant hose.



**173** Attach the clip of the upper coolant hose.

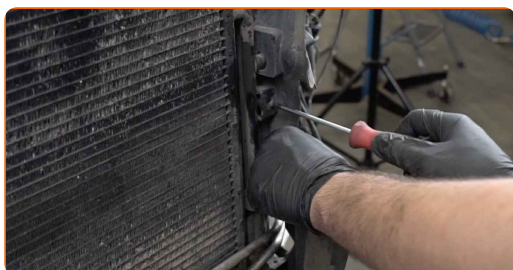


**174** Plug in the connector of the engine cooling fans.

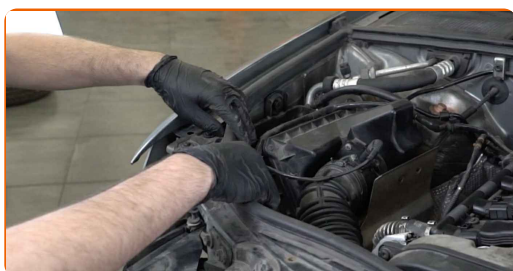


**175** Install the radiator air guides.

**176** Screw in the fasteners of the radiator air guides. Use Torx T20. Use a ratchet wrench.



**177** Install the bonnet weather strip.



**178** Install the bumper reinforcement bar.

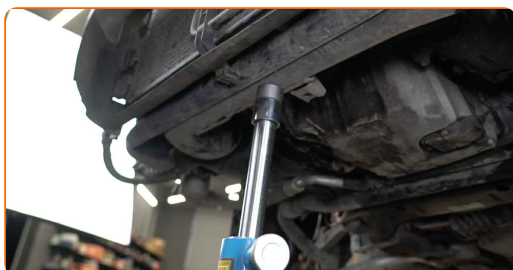


**179** Screw in the fasteners of the bumper reinforcement bar. Use a drive socket #13. Use a ratchet wrench.

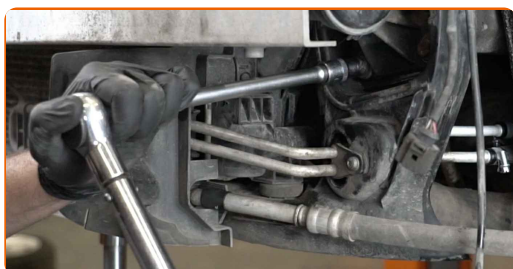


**180** Lift the car using a jack or place it over an inspection pit.

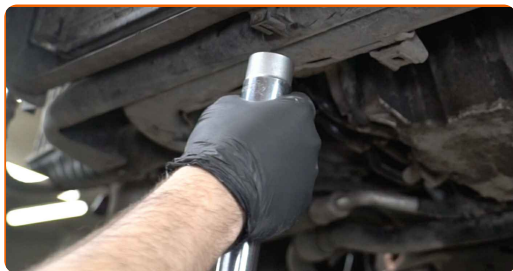
**181** Support the bumper reinforcement bar. Use a hydraulic transmission jack.



**182** Tighten the fastener of the bumper reinforcement bar. Use a drive socket #13. Use a torque wrench. Observe the recommended tightening torque.



**183** Remove the support from under the bumper reinforcement bar.



**AUTODOC recommends:**

- Replacement: water pump & timing belt kit – AUDI A3 Sportback (8PA). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

**184** Plug in the horn connector.

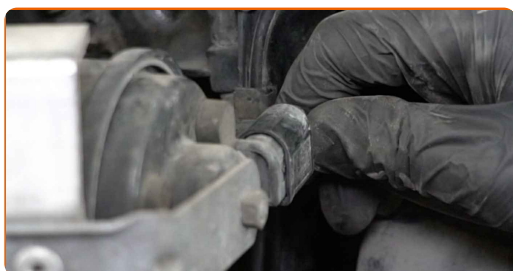
**185** Attach the air duct.

**186** Plug in the horn connector.

**187** Install the air duct.



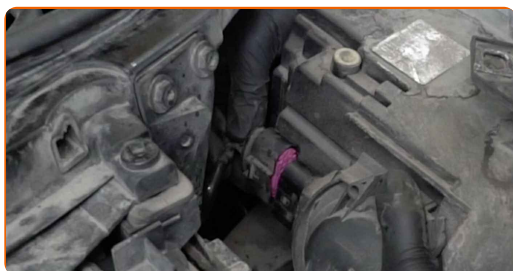
**188** Plug in the connector of the coolant temperature sensor.



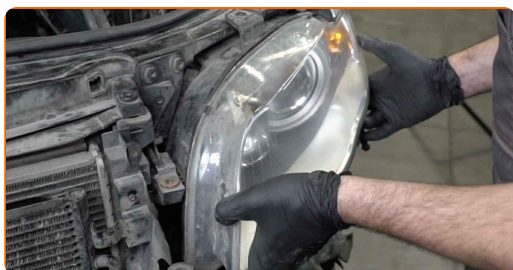
**189** Attach the wiring of the coolant temperature sensor.



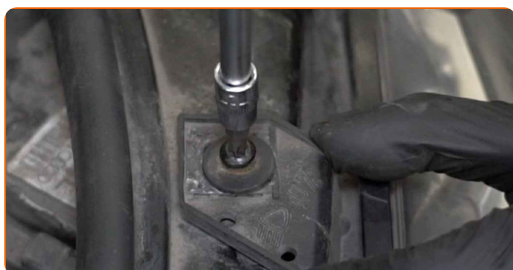
**190** Plug in the connectors of the headlight bulbs.



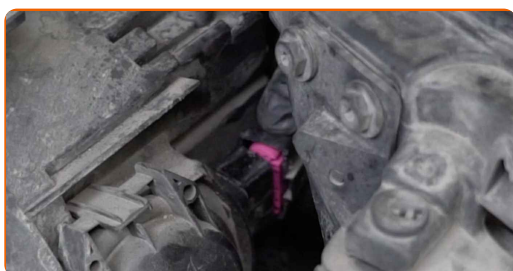
**191** Install the headlamp.



**192** Screw in the headlight fasteners. Use Torx T27. Use a ratchet wrench.



**193** Plug in the connectors of the headlight bulbs.

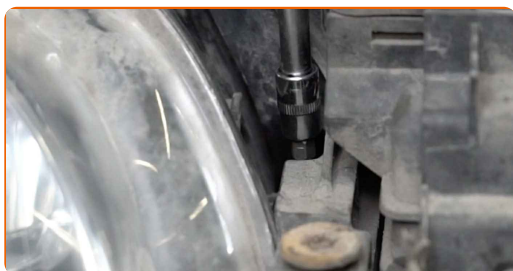




**194** Install the headlamp.



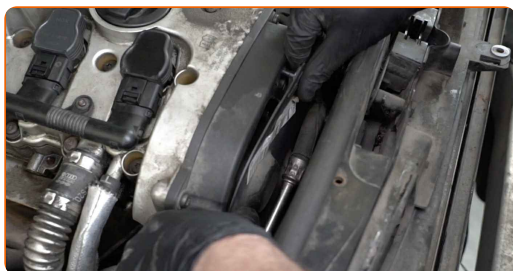
**195** Screw in the headlight fasteners. Use Torx T27. Use a ratchet wrench.



**196** Tighten the headlamp fasteners. Use Torx T27. Use a torque wrench. Observe the recommended tightening torque.



**197** Install the front upper timing belt cover.



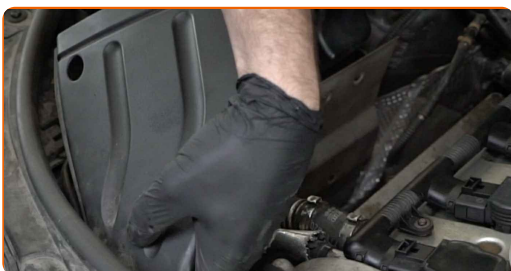
**198**

Screw in the fasteners of the front upper timing belt cover. Use a flat screwdriver.



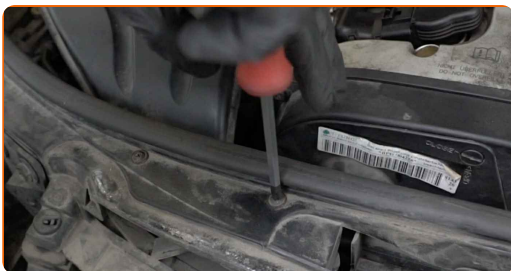
**199**

Install the air intake duct.



**200**

Screw in the fasteners of the air intake duct. Use a Phillips screwdriver.



**201**

Stick painter's tape to the car fenders to protect the paintwork from damage when demounting the bumper.



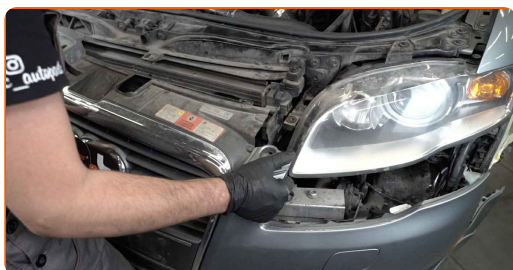
**202** Attach the connectors of the fog lights.



**203** Attach the headlamp washer hose.



**204** Install the bumper to the mounting seat. Make sure you hear a click indicating that it is locked in place.



**205** Screw in the bumper upper fasteners. Use Torx T27. Use a drive socket #10. Use a ratchet wrench.

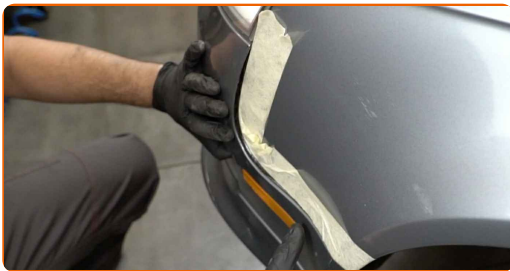


**Replacement: water pump & timing belt kit – AUDI A3 Sportback (8PA). Tip:**

- To prevent damage to the components, hold the bumper when screwing in the upper fasteners.

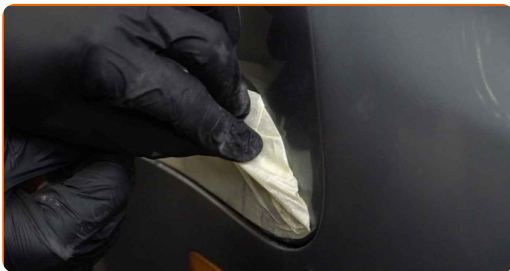
**206**

Snap the bumper side clips into place. Make sure you hear a click indicating that it is locked in place.



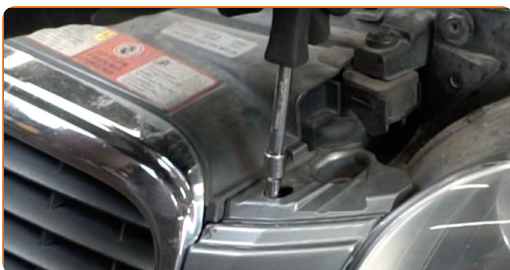
**207**

Remove the masking tape.



**208**

Screw in the fasteners connecting the bumper to the wings. Use a drive socket #10. Use a ratchet wrench.



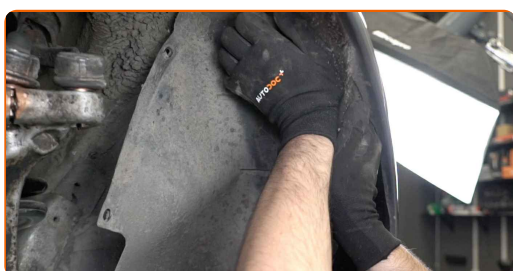
**209**

Screw in the fastener of the spacer under the bumper reinforcement bar. Use Torx T25. Use a drive socket #10. Use a ratchet wrench.



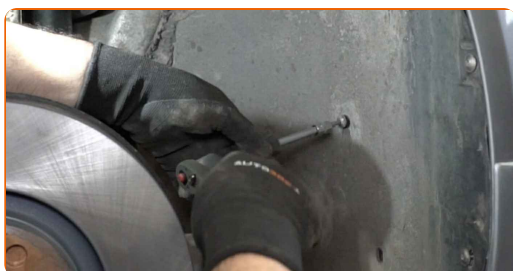
**210**

Install the wheel arch cover to its mounting seat.



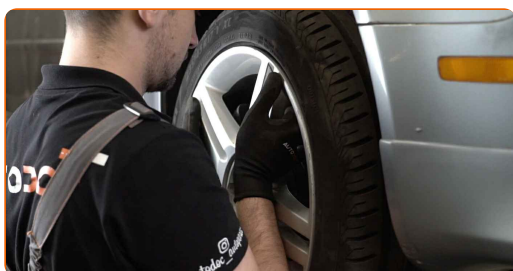
**211**

Install and tighten the wheel arch cover fasteners. Use Torx T25. Use a ratchet wrench.



**212**

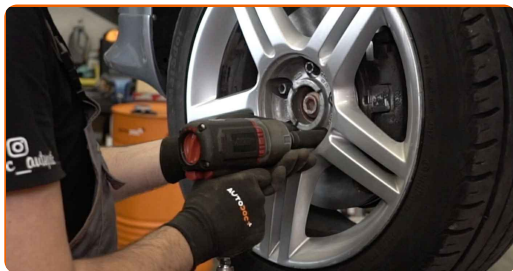
Install the wheel.



**AUTODOC recommends:**

- Important! Hold the wheel while screwing in the fastening bolts. AUDI A3 Sportback (8PA)

**213** Screw in the wheel bolts. Use wheel impact socket #17.



**214** Lower the car.

**215** Secure the wheels with chocks.

**216** Tighten the wheel bolts using a criss-cross pattern. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 Nm torque.



**217** Remove the jacks and chocks.

**218** Remove the coolant reservoir cap.



**219** Insert the funnel.



**220**

Pour coolant in the coolant reservoir.

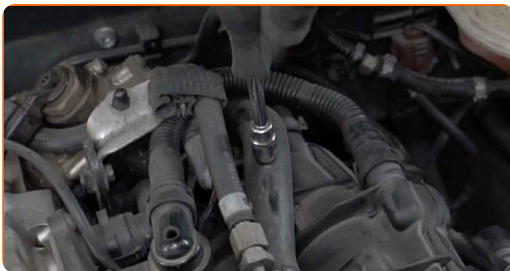


Replacement: water pump & timing belt kit – AUDI A3 Sportback (8PA).  
Professionals recommend:

- Only use the coolant recommended by the manufacturer.
- The coolant level should be at the MAX mark.
- Wait until the air goes out of the system.

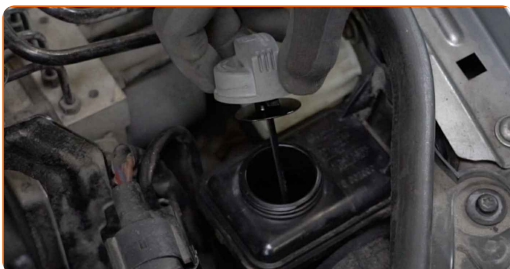
**221**

Open the coolant system bleed screw. Use a drive socket #10. Use a ratchet wrench. Wait until the air goes out of the system.



**222**

Unscrew the cap of the hydraulic power steering reservoir. Remove the cap from the hydraulic power steering reservoir.



**223**

Fill the hydraulic power steering reservoir with fluid.



Replacement: water pump & timing belt kit – AUDI A3 Sportback (8PA). Tip from AUTODOC:

- Use the hydraulic power steering fluid recommended by the car manufacturer.
- The hydraulic power steering fluid level should be at the MAX mark on the reservoir.

**224**

Attach the terminals to the battery.



Replacement: water pump & timing belt kit – AUDI A3 Sportback (8PA). AUTODOC recommends:

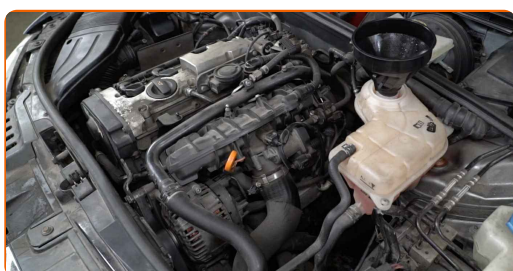
- Be careful! Do not mix up the positive and the negative terminals of the car battery.



**225** Screw in the fasteners of the battery terminals. Use a drive socket #10. Use a ratchet wrench.

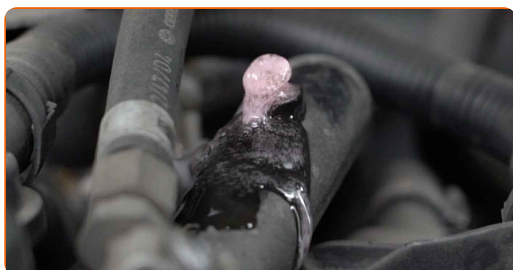


**226** Run the engine for a few minutes. This should be done in order to remove residual air from the cooling system and to check if the components are operating correctly.



**227** Shut off the engine.

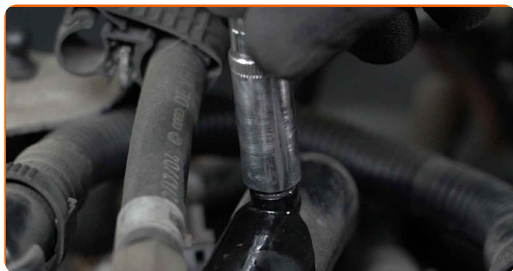
**228** Check the coolant level. If necessary, top up to the required level.



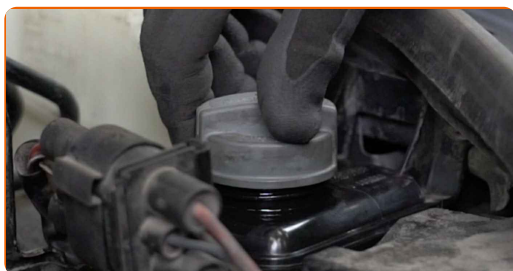
**Please note!**

- The coolant level should be at the MAX mark.

**229** Close the coolant system bleed screw. Use a drive socket #10. Use a ratchet wrench.



**230** Place the cap on the hydraulic power steering reservoir.



**231** Screw on the cap of the hydraulic power steering reservoir.

**232** Install the coolant reservoir cap.

**233** Screw on the coolant reservoir cap.



**234** Install the engine cover and secure it.

## AUTODOC recommends:

- Replacement: water pump & timing belt kit – AUDI A3 Sportback (8PA). Do not use excessive force during installation. This may damage the part.
- Make sure the engine cover is properly seated. It should not be displaced with respect to the guiding fasteners.

235

Remove the fender protection cover.

236

Close the hood.

Replacement: water pump & timing belt kit – AUDI A3 Sportback (8PA).  
AUTODOC experts recommend:

- Be sure to record the mileage at which you replaced the timing belt and water pump kits.

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