



How to change front  
wheel bearing on  
**DODGE AVENGER** –  
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:

DODGE AVENGER 2.7, DODGE AVENGER 2.0, DODGE AVENGER 2.0 CRD, DODGE AVENGER 2.7 Flex-Fuel, DODGE AVENGER 2.4

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: DODGE CALIBER 2.0

**REPLACEMENT: WHEEL BEARING – DODGE AVENGER.  
TOOLS YOU MIGHT NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Multipurpose grease
- Ceramic grease
- Torque wrench
- Combination spanner #18
- Combination spanner #21
- Drive socket # 10
- Drive socket # 18
- Drive socket # 21
- Drive socket # 32
- Wheel impact socket #19
- Ratchet wrench
- Tap wrench
- Hammer
- Flat chisel
- Pin punch
- Crow bar
- Flat Screwdriver
- Round-nose pliers
- Ball joint puller
- Bush and bearing driver set
- Rubber mallet
- Nippers
- Wheel chock

**Buy tools**

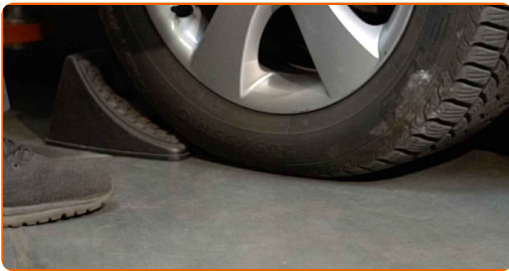
Replacement: wheel bearing – DODGE AVENGER. AUTODOC recommends:

- Do not re-use the bearing assembly of your DODGE AVENGER car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Please note: all work on the car – DODGE AVENGER – should be done with the engine switched off.

**CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:**

1

Secure the wheels with chocks.



2

Loosen the wheel mounting bolts. Use wheel impact socket #19.



**3** Raise the front of the car and secure on supports.

**4** Unscrew the wheel bolts.



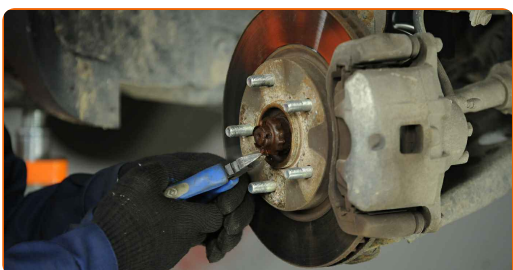
**AUTODOC recommends:**

- Important! Hold the wheel while unscrewing the fastening bolts. DODGE AVENGER

**5** Remove the wheel.



**6** Remove the cotter pin. Use nippers.

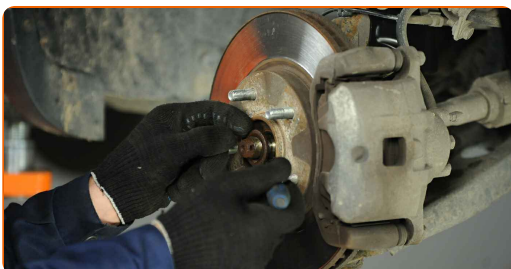


**7** Clean the fastener of the driveshaft. Use a wire brush. Use WD-40 spray.

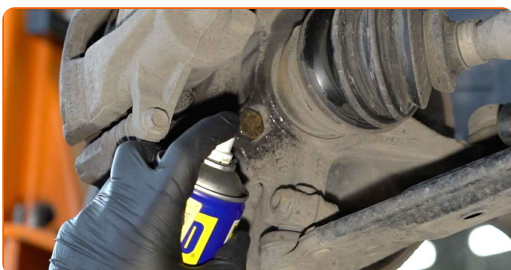
**8** Loosen the fastener of the driveshaft. Use a drive socket #32. Use a ratchet wrench.



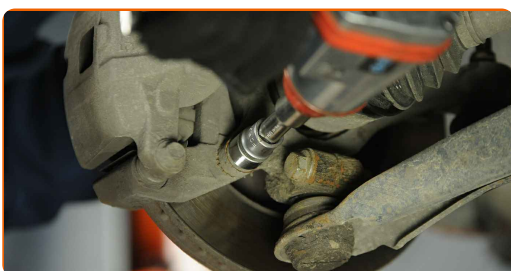
**9** Remove the fastening nut.



**10** Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.

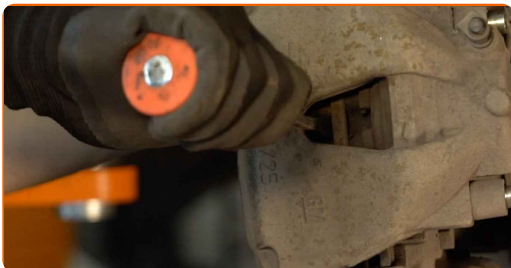


**11** Unscrew the brake caliper bracket fasteners. Use a drive socket #18. Use a tap wrench. Use a ratchet wrench.

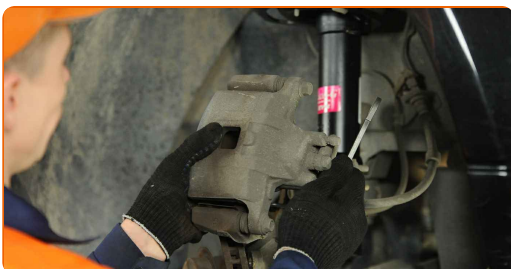


**12** Remove the fastening bolts (2 pieces).

**13** Spread the brake pads. Use a crowbar.



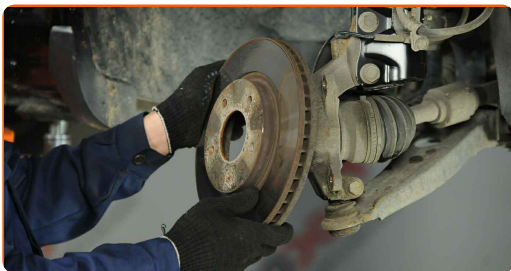
**14** Remove the brake caliper together with its bracket.



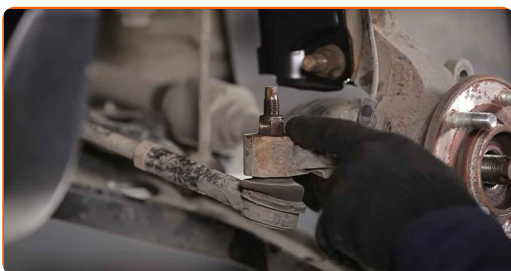
**Replacement: wheel bearing – DODGE AVENGER. Tip from AUTODOC experts:**

- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

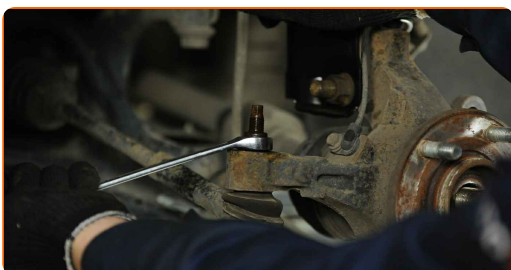
**15** Remove the brake disc.



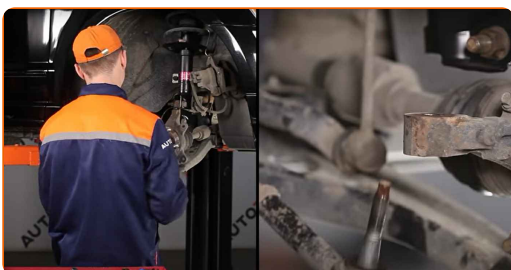
**16** Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.



**17** Unscrew the end fastening nut to the steering knuckle. Use a combination spanner #18. Use a ratchet wrench.



**18** Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.





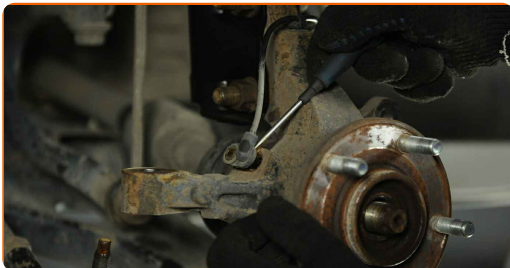
**19**

Unscrew the fastener connecting the ABS sensor to the steering knuckle. Use a drive socket #10. Use a ratchet wrench.



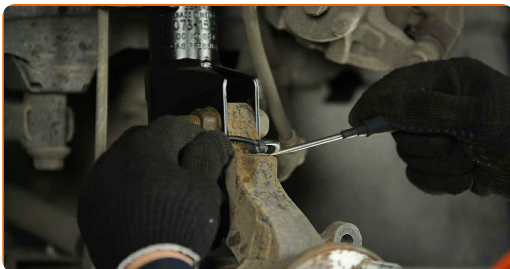
**20**

Remove the ABS sensor from the steering knuckle. Use a flat screwdriver.



**21**

Disconnect the ABS sensor wiring. Use a flat screwdriver.

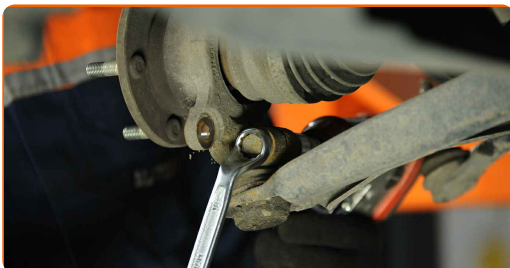


**22**

Clean the fastener that connects the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.

**23**

Unscrew the ball joint fastening to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



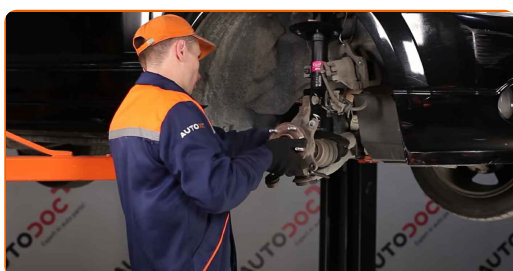
**24**

Remove the fastening bolt.

- 25 Disconnect the ball joint from the steering knuckle. Use a flat metal-working chisel. Use a hammer. Use a crowbar.

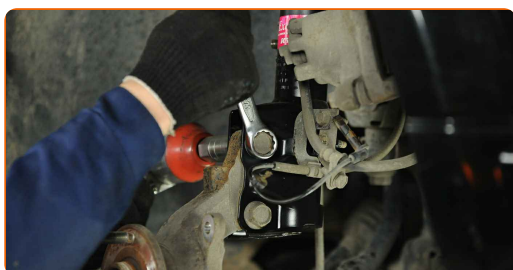


- 26 Detach the driveshaft from the steering knuckle. Use a pin punch. Use a hammer.

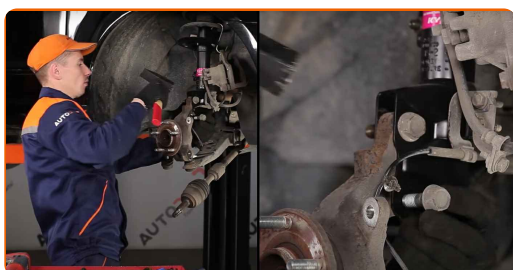


- 27 Clean the fasteners connecting the shock strut to the steering knuckle. Use a wire brush. Use WD-40 spray.

- 28 Unscrew the lower suspension strut fasteners. Use a combination spanner #21. Use a drive socket #21. Use a ratchet wrench.



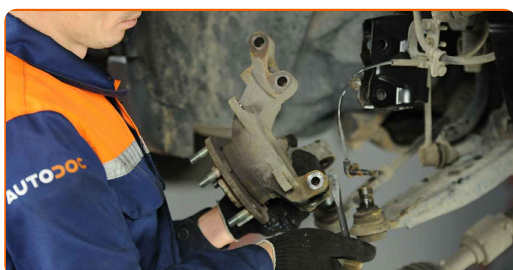
- 29 Remove the fastening bolts. Use a pin punch. Use a hammer.



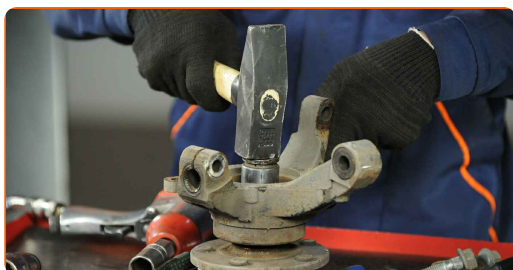
**30** Disconnect the steering knuckle from the shock absorber strut.



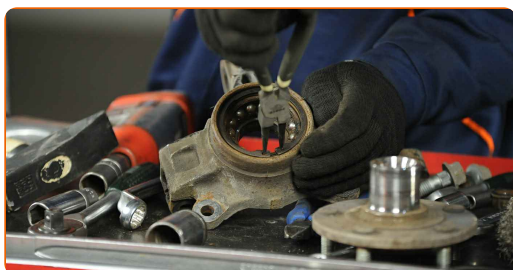
**31** Remove the steering knuckle together with the hub.



**32** Remove the wheel hub from the steering knuckle. Use a bush and bearing driver set. Use a hammer.



**33** Remove the wheel hub bearing retaining ring. Use round-nose pliers.



**34**

Press out the wheel hub bearing. Use a bush and bearing driver set.



**35**

Clean the hub bearing mounting seat. Use a wire brush. Use WD-40 spray.

**36**

Treat the mounting seat of the bearing assembly. Use a multipurpose grease.



**37**

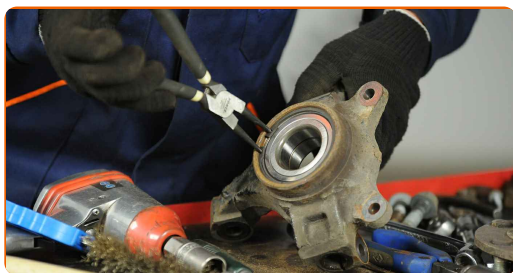
Press the new bearing in the steering knuckle. Use a bush and bearing driver set.



**Replacement: wheel bearing – DODGE AVENGER. Professionals recommend:**

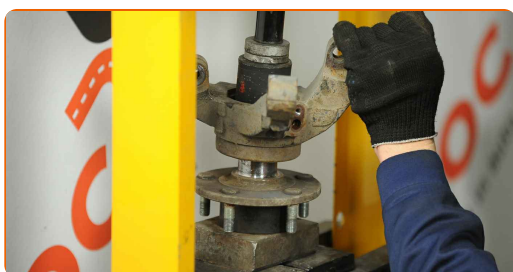
- Check to make sure the wheel hub bearing is positioned correctly. Avoid its misalignment.
- Stop pressing on the surface of the bearing immediately after it has been fitted into its mounting seat.

**38** Install the retaining ring on the steering knuckle. Use round-nose pliers.



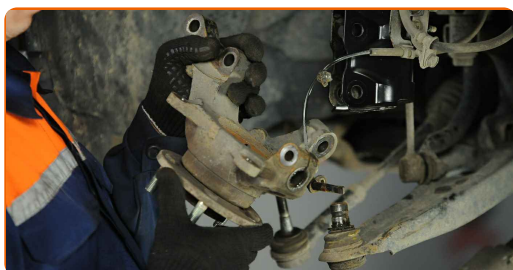
**39** Treat the wheel hub mounting seat. Use a multipurpose grease.

**40** Install the wheel hub on the steering knuckle. Use a bush and bearing driver set.

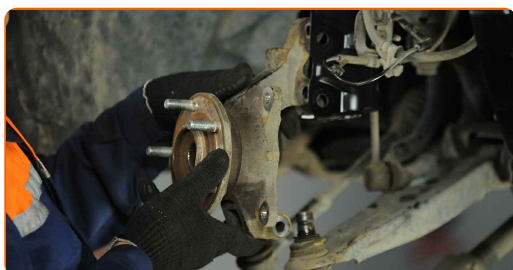


**41** Treat the shock strut mounting seat on the steering knuckle. Use a wire brush. Use WD-40 spray.

**42** Install the steering knuckle with a hub in assembly.

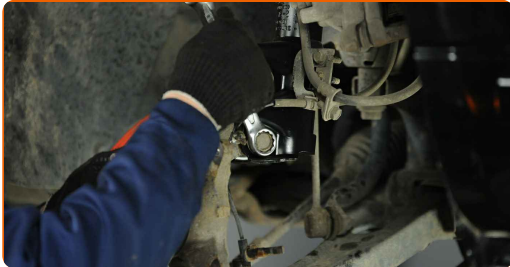


**43** Fix the shock absorber strut on the steering knuckle.



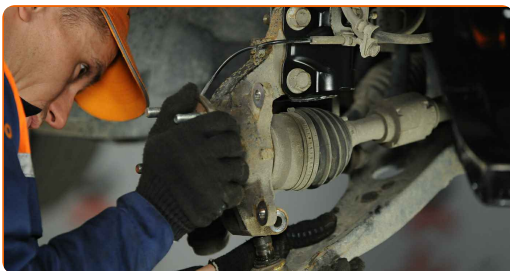
**44** Install the fastening bolts.

**45** Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #21. Use a drive socket #21. Use a torque wrench. Tighten it to 84 Nm torque.



**46** Treat the splines of the driveshaft CV joint. Use a wire brush. Use WD-40 spray.

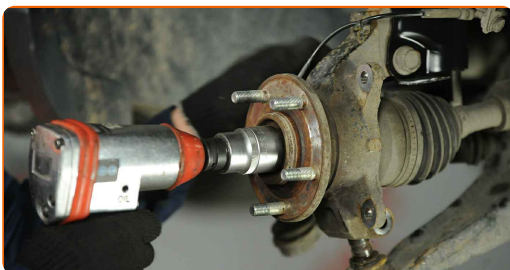
**47** Install the steering knuckle on the CV axle.



**48** Install the fastening nut.

**49** Support the steering knuckle. Use a hydraulic transmission jack.

**50** Tighten the drive shaft nut. Use a drive socket #32. Use a torque wrench. Tighten it to 245 Nm torque.



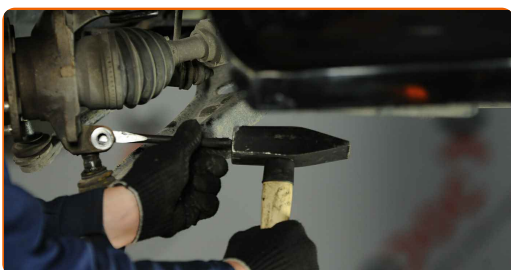
**51** Remove the support from under the steering knuckle.

**AUTODOC recommends:**

- DODGE AVENGER – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

**52**

Connect the lower control arm to the steering knuckle. Use a rubber mallet.

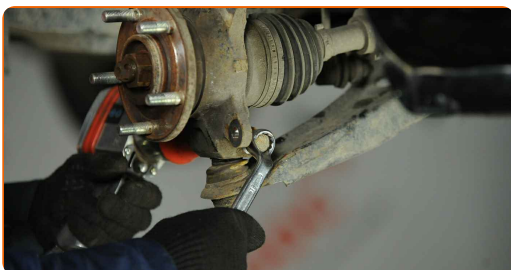


**53**

Install the fastening bolt.

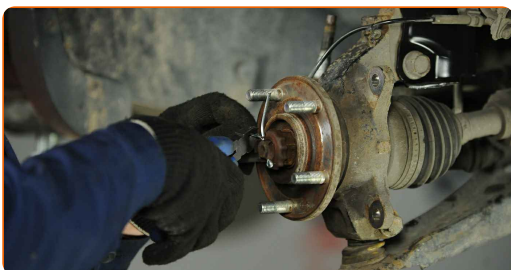
**54**

Tighten the fastener connecting the ball joint to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 82 Nm torque.

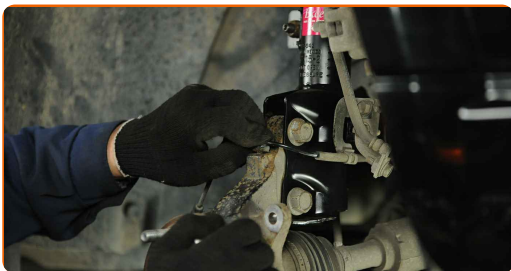


**55**

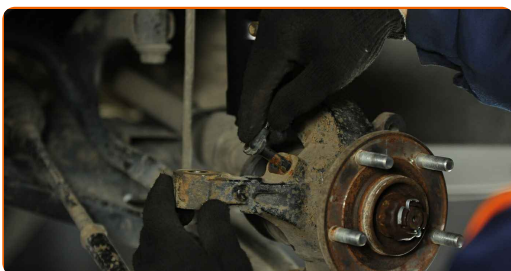
Install the cotter pin. Use nippers.



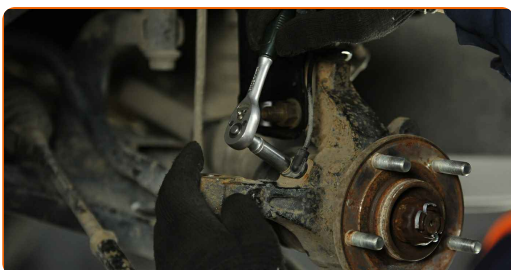
**56** Connect the ABS sensor wiring.



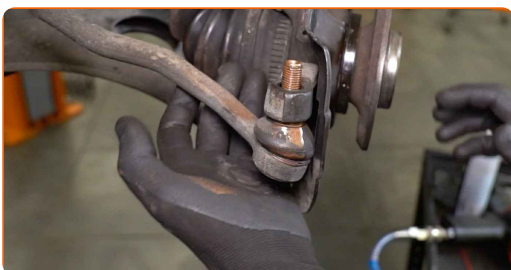
**57.1** Install the ABS sensor on the steering knuckle and secure it.



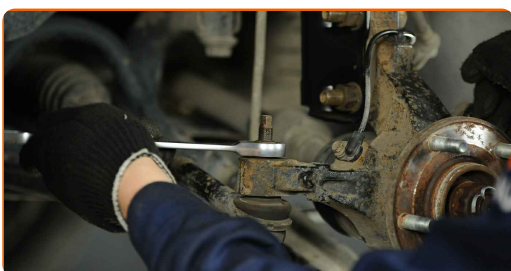
**57.2** Use a drive socket #10. Use a ratchet wrench.



**58** Connect the tie rod end to the steering knuckle.



**59** Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a combination spanner #18. Use a torque wrench. Tighten it to 75 nm torque.



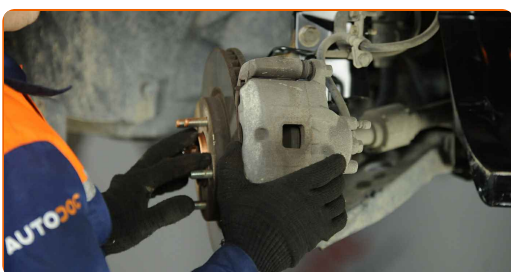


**60** Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.

**61** Install the brake disc.

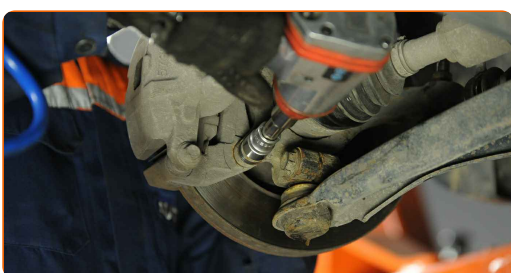


**62** Install the brake caliper together with its bracket.

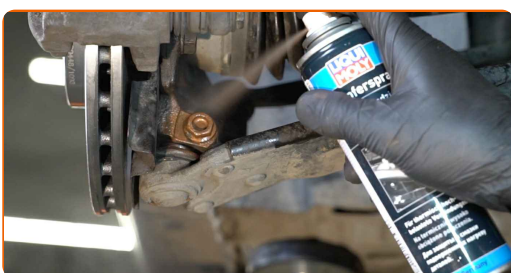


**63** Install the fastening bolts (2 pieces).

**64** Tighten the brake caliper bracket fasteners. Use a drive socket #18. Use a torque wrench. Tighten it to 108 Nm torque.



**65** Treat the fastener connecting the tie rod end to the steering knuckle. Treat the steering knuckle fasteners. Treat the brake caliper bracket fasteners. Treat the fasteners connecting the control arm to the steering knuckle. Use copper grease.



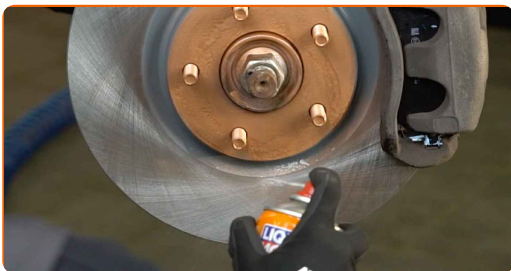
**66**

Treat the surface where the brake disc contacts the wheel rim. Use ceramic grease.



**67**

Clean the brake disk surface. Use a brake cleaner.

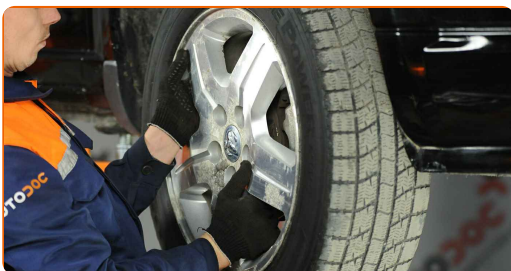


**AUTODOC recommends:**

- Replacement: wheel bearing – DODGE AVENGER. After applying the spray, wait a few minutes.

**68**

Install the wheel.



**Replacement: wheel bearing – DODGE AVENGER. Tip:**

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

69

Screw in the wheel bolts. Use wheel impact socket #19.



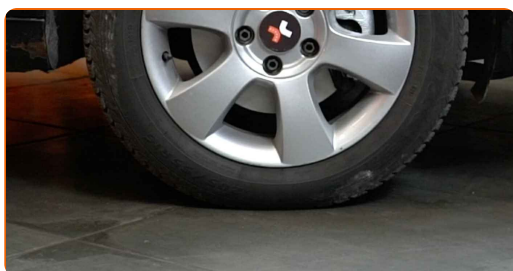
70

Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 135 nm torque.



71

Remove the jacks and chocks.



**WELL DONE!** 

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