



How to change front
wheel bearing on
PEUGEOT 405 I Estate
(15E) – 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:

PEUGEOT 405 I Estate (15E) 1.6, PEUGEOT 405 I Estate (15E) 1.9, PEUGEOT 405 I Estate (15E) 1.8 TD, PEUGEOT 405 I Estate (15E) 1.9 D, PEUGEOT 405 I Estate (15E) 1.9 4x4 (DDZ (XU9M))

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: PEUGEOT 406 Saloon 2.2

**REPLACEMENT: WHEEL BEARING – PEUGEOT 405 I
ESTATE (15E). TOOLS YOU NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Sealant
- Multipurpose grease
- High-temperature ceramic grease
- Torque wrench
- Torx bit T55
- Drive socket # 10
- Drive socket # 16
- Drive socket # 17
- Drive socket # 21
- Drive socket # 36
- Wheel impact socket #19
- Ratchet wrench
- Tap wrench
- Hammer
- Pin punch
- Crow bar
- Phillips screwdriver
- Flat Screwdriver
- Round-nose pliers
- Bearing separator
- Ball joint puller
- Bush and bearing driver set
- Hydraulic transmission jack
- Wheel chock

Buy tools

Replacement: wheel bearing – PEUGEOT 405 I Estate (15E). Tip from AUTODOC:

- Do not re-use the bearing assembly of your PEUGEOT 405 I Estate (15E) car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Please note: all work on the car – PEUGEOT 405 I Estate (15E) – should be done with the engine switched off.

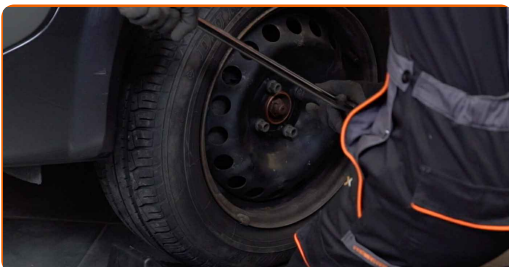
CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the bonnet. Unscrew the brake fluid reservoir cap.

2 Secure the wheels with chocks.



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



4 Raise the front of the car and secure on supports.

5 Unscrew the wheel bolts.



AUTODOC recommends:

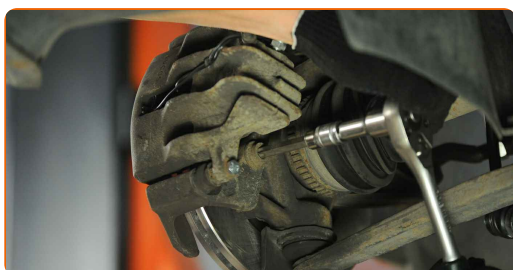
- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
PEUGEOT 405 I Estate (15E)

6 Remove the wheel.



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

8 Unscrew the brake caliper bracket fasteners. Use Torx T55. Use a tap wrench. Use a ratchet wrench.



9 Remove the fastening bolts (2 pieces).

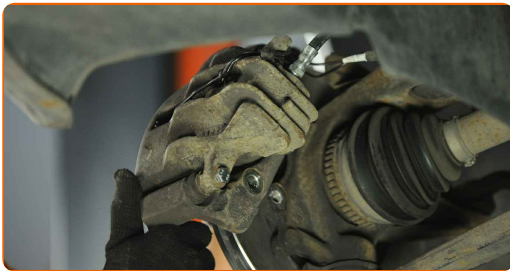
10

Disconnect the brake pad wear sensor plug.



11

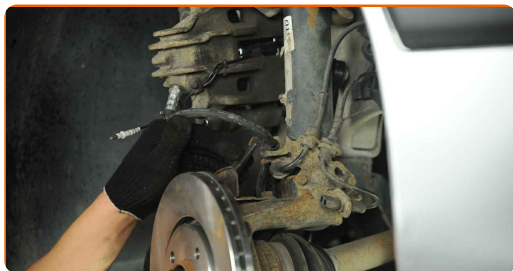
Remove the brake caliper together with its bracket.



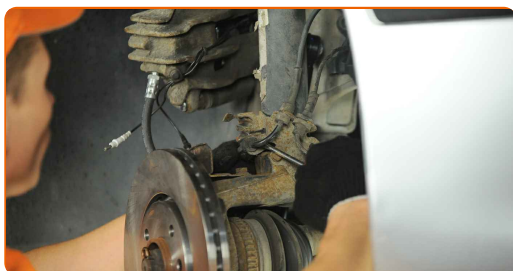
Replacement: wheel bearing – PEUGEOT 405 I Estate (15E). Professionals recommend:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- 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.

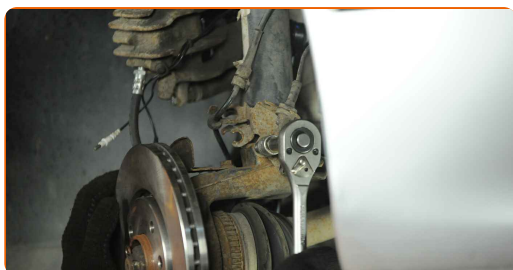
12 Take out the retainer clip and move the brake hose out of the bracket on the shock strut. Use round-nose pliers.



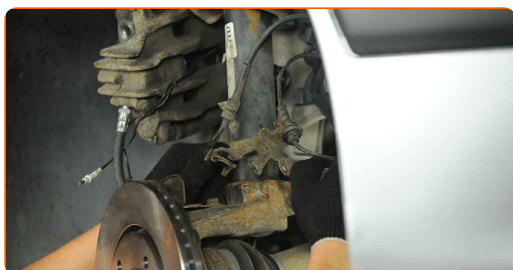
13 Disconnect the ABS sensor wiring. Use a crowbar.



14 Unscrew the ABS sensor wiring bracket. Use a drive socket #10. Use a ratchet wrench.



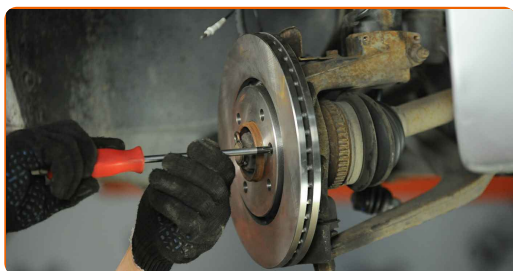
15 Remove the bracket from the suspension strut.



16 Clean the brake disc fasteners. Use a wire brush. Use WD-40 spray.



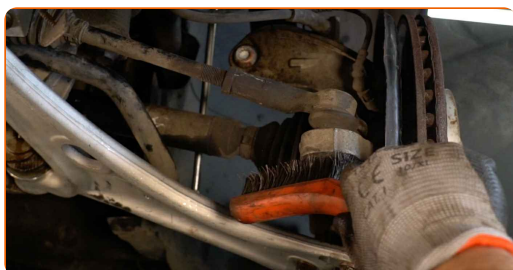
17 Unscrew the brake disc fasteners. Use a Phillips screwdriver.



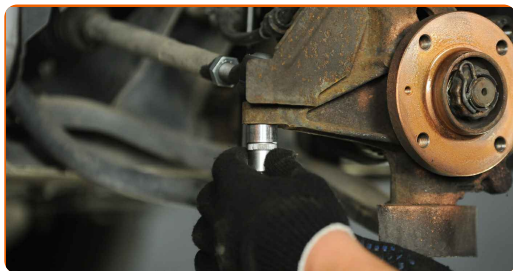
18 Remove the brake disc.



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



20 Unscrew the end fastening nut to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.



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

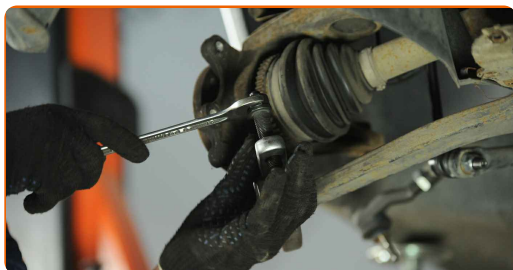


22 Clean the fastener that connects the suspension arm to the ball joint. Use a wire brush. Use WD-40 spray.

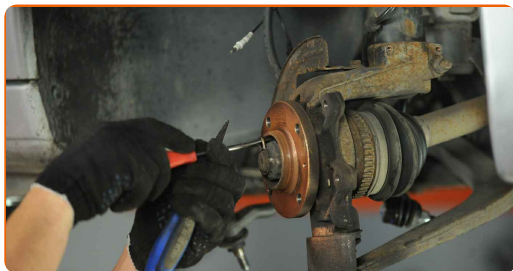
23 Unscrew the fastener that connects the suspension arm to the steering knuckle. Use a drive socket #21. Use a ratchet wrench.



24 Disconnect the lower control arm from the steering knuckle. Use a ball joint puller. Use a crowbar.



25 Remove the cotter pin securing the hub nut. Use round-nose pliers. Use a flat screwdriver.



26 Clean the wheel hub fastener. Use a wire brush. Use WD-40 spray.

27 Unscrew the wheel hub axle nut. Use a drive socket #36. Use a ratchet wrench.

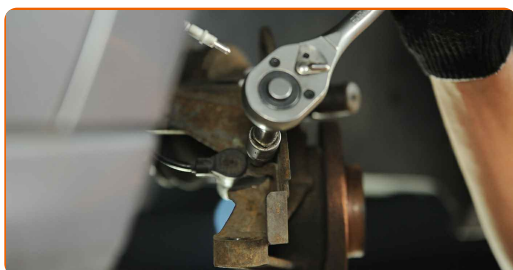


28 Remove the fastening nut.

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



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



31 Remove the ABS sensor from the steering knuckle.



32 Clean the lower fastener connecting the suspension strut to the steering knuckle. Use a wire brush. Use WD-40 spray.

33 Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a drive socket #16. Use a ratchet wrench.



34 Remove the fastening bolt.

35 Disconnect the steering knuckle from the shock absorber strut. Use a hammer.

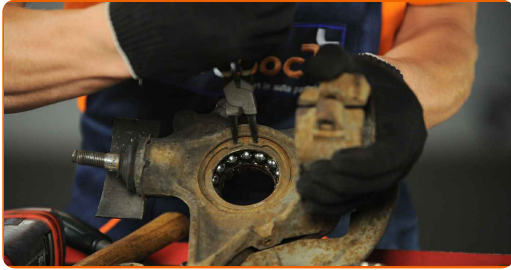
36 Remove the steering knuckle together with the hub.



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



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



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



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

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

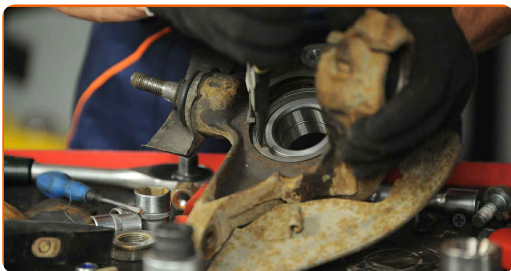
42 Press the new bearing in the steering knuckle. Use a bush and bearing driver set.



AUTODOC recommends:

- 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.

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



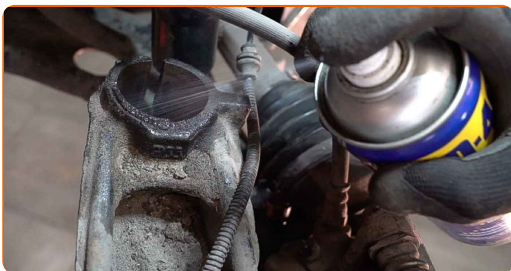
44 Dismantle the inner bearing race that is remaining on the hub. Use a bush and bearing driver set. Use a bearing separator.

45 Treat the wheel hub mounting seat. Use a multipurpose grease.

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



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



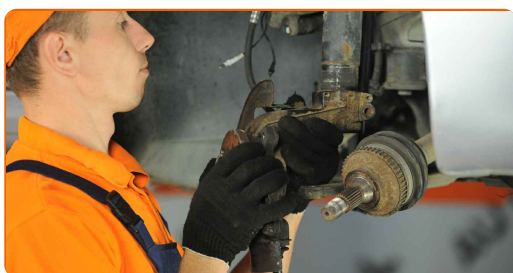
48 Install the steering knuckle with a hub in assembly.



49 Support the steering knuckle.



50 Fix the shock absorber strut on the steering knuckle. Use a hammer.



51 Remove the support from under the steering knuckle.



Replacement: wheel bearing – PEUGEOT 405 I Estate (15E). Tip from AUTODOC experts:

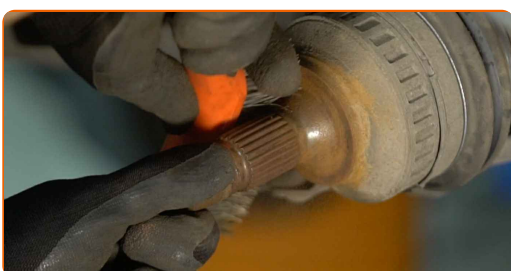
- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

52 Install the fastening bolt.

- 53 Tighten the lower fasteners of the suspension strut. Use a drive socket #16. Use a torque wrench. Tighten it to 55 Nm torque.



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



- 55 Install the steering knuckle on the CV axle.

- 56 Connect the lower control arm to the steering knuckle.

- 57 Tighten the fastener that connects the suspension arm to the ball joint. Use a drive socket #21. Use a torque wrench. Tighten it to 45 Nm torque.



- 58 Install the fastening nut.

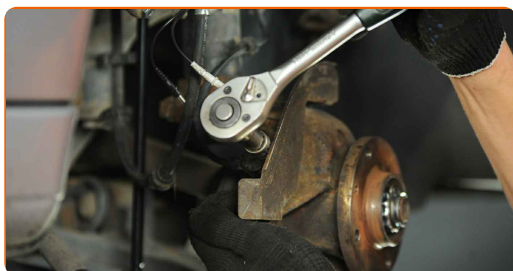
- 59 Tighten the hub. Use a drive socket #36. Use a torque wrench. Tighten it to 325 Nm torque.



60 Install a new hub nut cotter pin. Use a hammer.



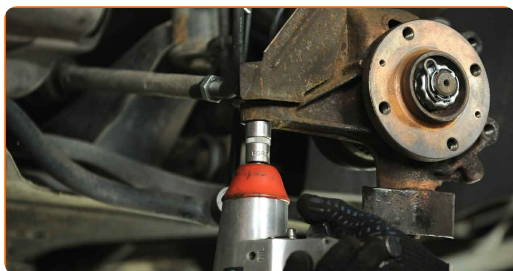
61 Install the ABS sensor on the steering knuckle and secure it. Use a drive socket #10. Use a ratchet wrench.



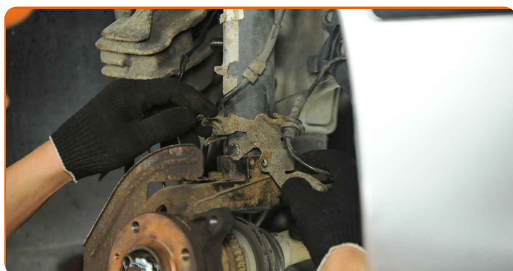
62 Connect the tie rod end to the steering knuckle.



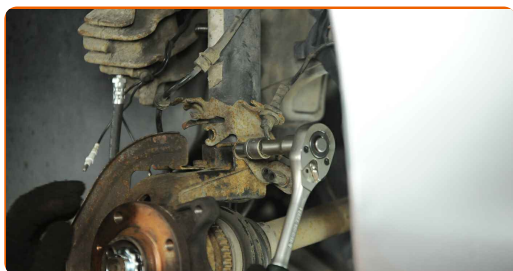
63 Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #17. Use a torque wrench. Tighten it to 35 nm torque.



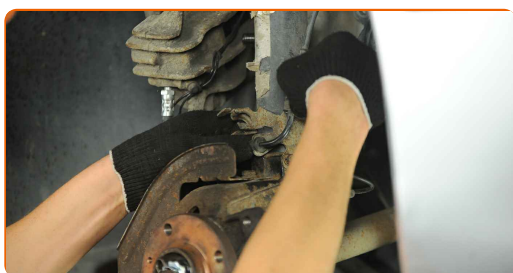
64 Install the bracket on the suspension strut.



65 Tighten the ABS sensor wiring bracket. Use a drive socket #10. Use a torque wrench. Tighten it to 10 Nm torque.



66 Connect the ABS sensor wiring.



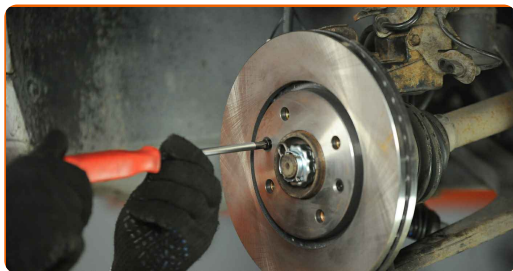
67 Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.



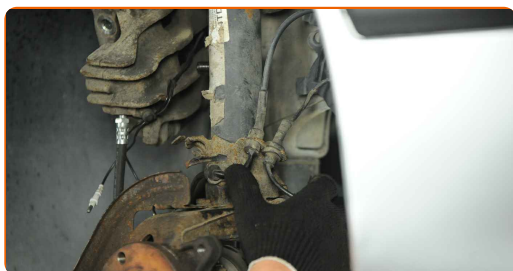
68 Install the brake disc.



69 Tighten the brake disc fasteners. Use a Phillips screwdriver. Use a torque wrench. Tighten it to 10 Nm torque.



70 Fasten the brake hose on the strut.

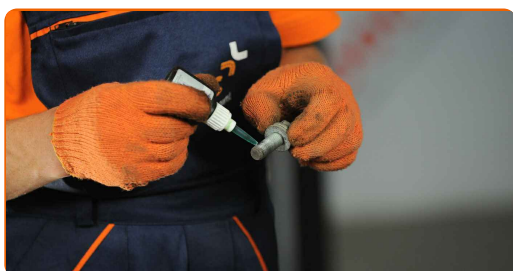


71 Attach the brake hose retainer clip.

72 Install the brake caliper together with its bracket.



73 Treat the brake caliper bracket fasteners. Use a sealant.



74 Install the fastening bolts (2 pieces).

75 Tighten the brake caliper bracket fasteners. Use Torx T55. Use a torque wrench. Tighten it to 120 Nm torque.



76 Connect the brake pad wear sensor plug.



77 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.



78 Treat the surface where the brake disc contacts the wheel rim. Use high-temperature ceramic grease.



79

Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: wheel bearing – PEUGEOT 405 I Estate (15E). After applying the spray, wait a few minutes.

80

Install the wheel.



Replacement: wheel bearing – PEUGEOT 405 I Estate (15E). AUTODOC experts recommend:

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

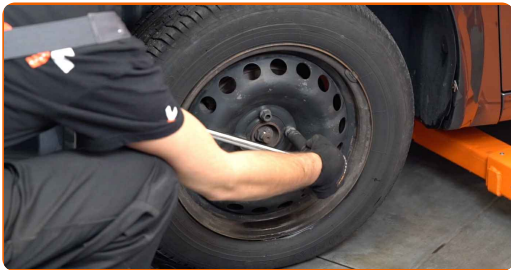
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Screw in the wheel bolts. Use wheel impact socket #19.



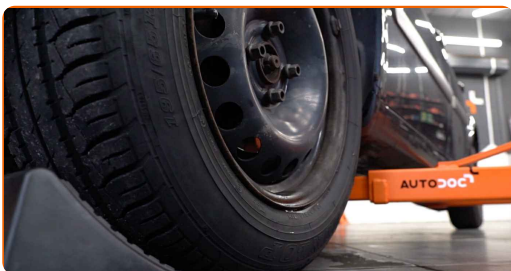
82

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 90 nm torque.



83

Remove the jacks and chocks.



AUTODOC recommends:

- Check the brake fluid level in the expansion tank and refill if necessary.

84

Tighten the brake fluid reservoir cap. Close the hood.

AUTODOC recommends:

- Without starting the engine, press the brake pedal several times until you feel significant resistance.

WELL DONE! 

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WHEEL BEARING: A WIDE SELECTION

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