



How to change front  
wheel bearing on **DACIA**  
**LOGAN EXPRESS (FS\_)** –  
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:

DACIA LOGAN EXPRESS (FS\_) 1.5 dCi, DACIA LOGAN EXPRESS (FS\_) 1.6 MPI 85, DACIA LOGAN EXPRESS (FS\_) 1.4, DACIA LOGAN EXPRESS (FS\_) 1.6, DACIA LOGAN EXPRESS (FS\_) 1.6 LPG

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: RENAULT MEGANE Scenic (JA0/1\_) 1.6 16V

**REPLACEMENT: WHEEL BEARING – DACIA LOGAN EXPRESS (FS\_). LIST OF THE TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Electronic spray
- Copper grease
- Torque wrench
- Combination spanner #18
- Combination spanner #21
- Drive socket # 16
- Drive socket # 18
- Drive socket # 21
- Drive socket # 30
- Torx bit T40
- Wheel impact socket #19
- Bush and bearing driver set
- Bearing separator
- Ball joint puller
- Ratchet wrench
- Flat Screwdriver
- Impact screwdriver
- Tap wrench
- Crow bar
- Wheel chock

**Buy tools**

**AUTODOC recommends:**

- Do not re-use the bearing assembly of your DACIA LOGAN EXPRESS (FS\_) car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Please note: all work on the car – DACIA LOGAN EXPRESS (FS\_) – should be done with the engine switched off.

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

**1** Clean the fastener of the driveshaft. Use a wire brush.



**2** Loosen the fastener of the driveshaft. Use a drive socket #30. Use a tap wrench.



**3** Secure the wheels with chocks.

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

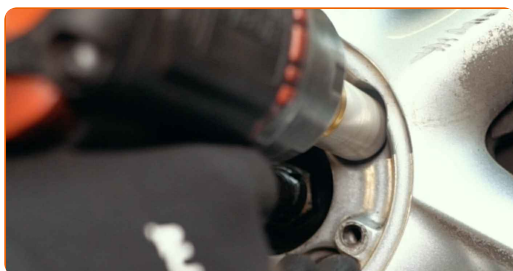


**5** Raise the car.

Replacement: wheel bearing – DACIA LOGAN EXPRESS (FS\_). Tip from AUTODOC experts:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

**6** Unscrew the wheel bolts.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. DACIA LOGAN EXPRESS (FS\_)

**7** Remove the wheel.



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

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



**10** Unscrew the caliper bracket fastening. Use a drive socket #18. Use a ratchet wrench.



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



Replacement: wheel bearing – DACIA LOGAN EXPRESS (FS\_). Tip from AUTODOC:

- 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.

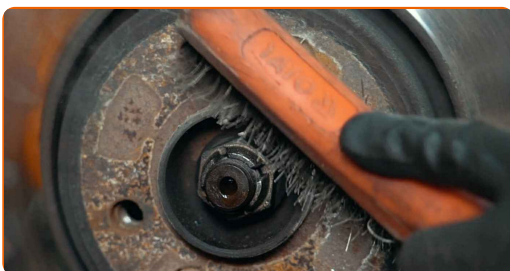
12

Detach the brake hose from the shock strut. Use a crowbar.



13

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



**14** Unscrew the brake disc fastening. Use Torx T40. Use an impact screwdriver.



**15** Remove the brake disc.



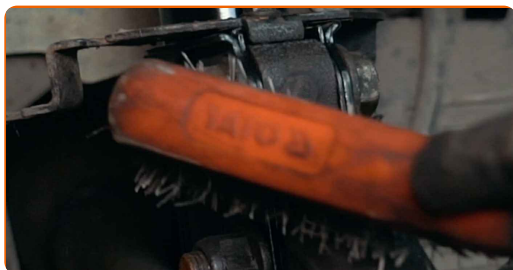
**16** Disconnect the ABS sensor wiring.



**17** Detach the ABS sensor connector.



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





19

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



20

Clean the fasteners connecting the ball joint to the suspension control arm. Use a wire brush. Use WD-40 spray.



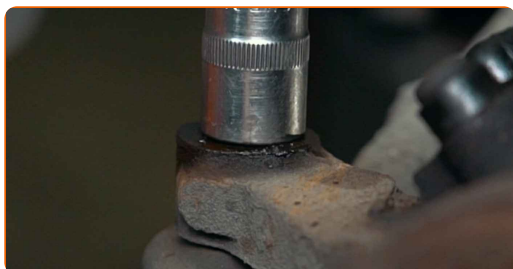
21

Unscrew the fasteners connecting the suspension strut to the steering knuckle. Use a combination spanner #21. Use a drive socket #21. Use a ratchet wrench.



22

Unscrew the end fastening nut to the steering knuckle. Use a drive socket #16. Use a tap wrench.



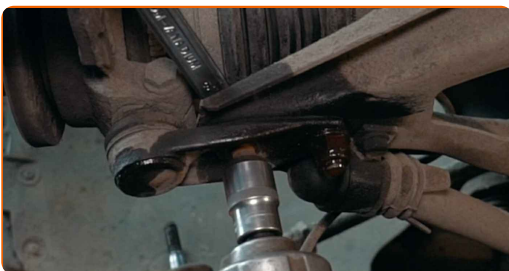
**23**

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



**24**

Disconnect the ball joint from the control arm. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



**25**

Disconnect the ball joint from the control arm. Use a crowbar.



**26**

Unscrew the fastener connecting the drive shaft to the wheel hub. Use a drive socket #30. Use a ratchet wrench. Remove the fastening bolt.



**27** Detach the driveshaft from the steering knuckle. Remove the fastening bolt.



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



**29** Remove the steering knuckle together with the wheel hub.



**30** Press the hub out of the steering knuckle. Use a bush and bearing driver set.



**31** Clean the wheel hub bearing retaining ring. Use a wire brush. Use WD-40 spray.



**32** Remove the wheel hub bearing retaining ring. Use a flat screwdriver.



**33** Press out the inner bearing race that is remaining on the hub. Use a bearing separator. Use a bush and bearing driver set.



**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

Press-fit the new bearing into the steering knuckle. Use a bush and bearing driver set.

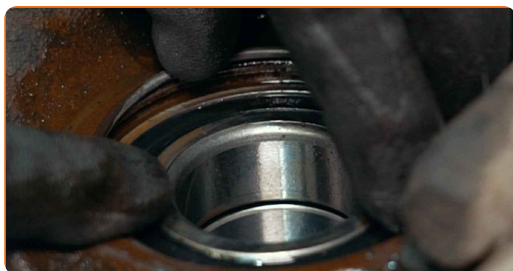


Replacement: wheel bearing – DACIA LOGAN EXPRESS (FS\_). Tip from AUTODOC experts:

- Check to make sure the wheel hub bearing is positioned correctly. Avoid its misalignment.

37

Install the wheel hub bearing retaining ring. Use a flat screwdriver.

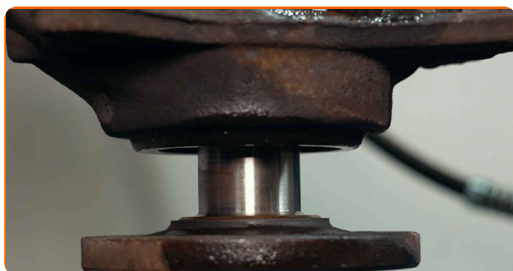


38

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



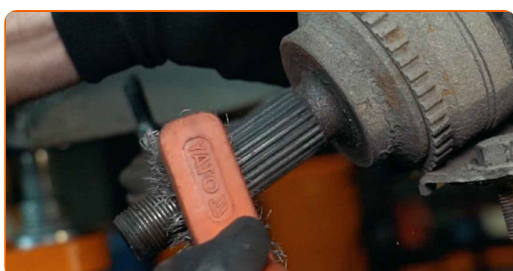
**39** Press-fit a new bearing into the wheel hub. Use a bush and bearing driver set.



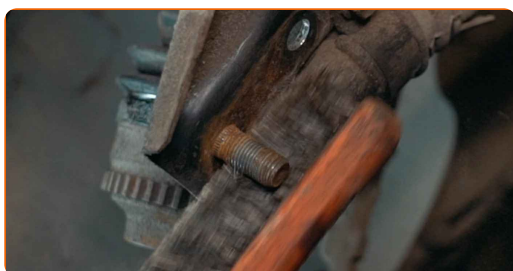
**40** Clean the lower fastener connecting the suspension strut to the steering knuckle. Use a wire brush. Use WD-40 spray.



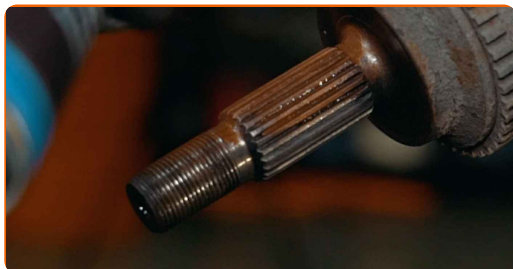
**41** Clean the splines of the drive shaft CV joint. Use a wire brush. Use WD-40 spray.



**42** Clean the ball joint mounting seat. Use a wire brush. Use WD-40 spray.



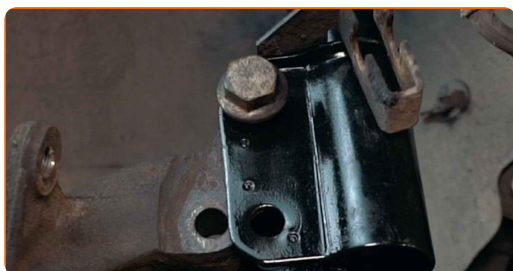
**43** Treat the splines of the driveshaft CV joint. Treat the fasteners of the ball joint. Use copper grease.



**44** Install the steering knuckle assembled with the wheel hub.

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

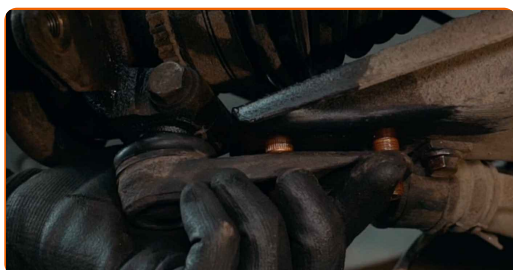
**46** Install the fastening bolt.



**47** Install the drive shaft.



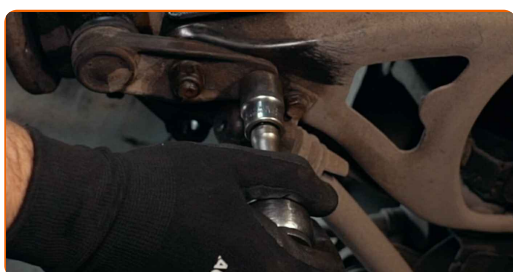
**48** Attach the ball joint to the control arm. Install the fastening bolt.



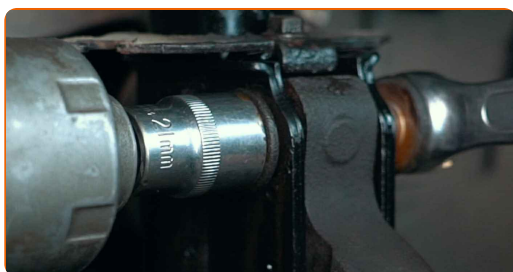
- 49** Screw in the fastener connecting the ball joint to the control arm. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



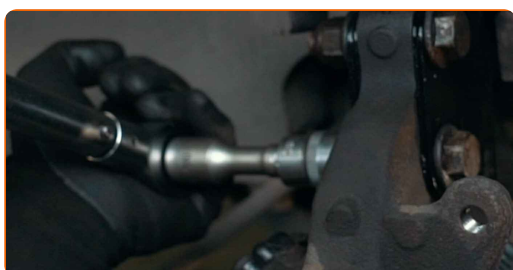
- 50** Tighten the fasteners connecting the ball joint to the control arm. Use a drive socket #18. Use a torque wrench. Tighten it to 75 nm torque.



- 51** Screw in the fasteners connecting the suspension strut to the steering knuckle. Use a combination spanner #21. Use a drive socket #21. Use a ratchet wrench.

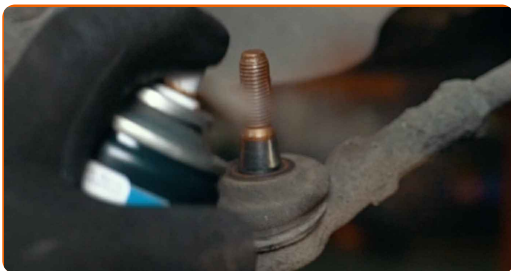


- 52** Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #21. Use a drive socket #21. Use a torque wrench. Tighten it to 170 Nm torque.

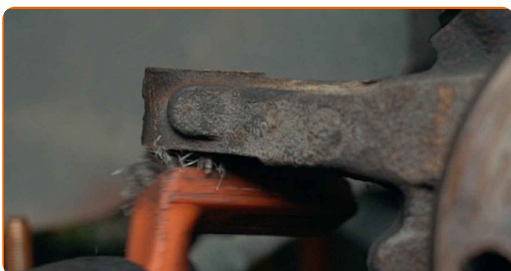




**53** Treat the fastener connecting the tie rod end to the steering knuckle. Use copper grease.



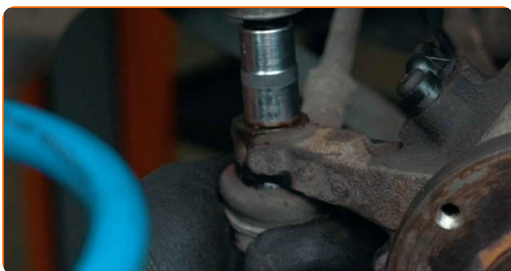
**54** Clean the mounting seats of the tie rod end. Use a wire brush. Use WD-40 spray.



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



**56** Screw on the fastening nut that connects the tie rod end to the steering knuckle. Use a drive socket #16. Use a tap wrench.



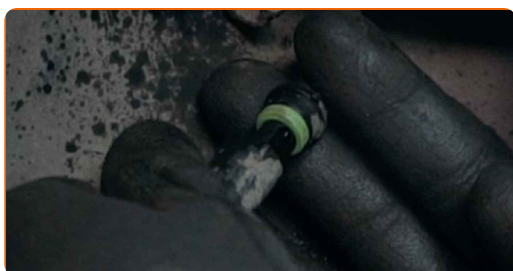
- 57** Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #16. Use a torque wrench. Tighten it to 35 nm torque.



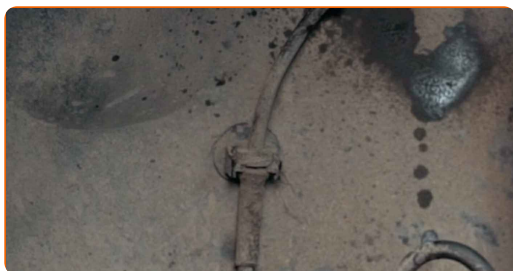
- 58** Treat the ABS sensor connector. Use dielectric grease.



- 59** Attach the ABS sensor connector.



- 60** Connect the ABS sensor wiring.



- 61** Screw in the fastener of the CV axle. Use a drive socket #30. Use a ratchet wrench.



**62** Clean the hub. Use a wire brush.



**63** Treat the contacting surface. Use copper grease.



**64** Install the brake disc.



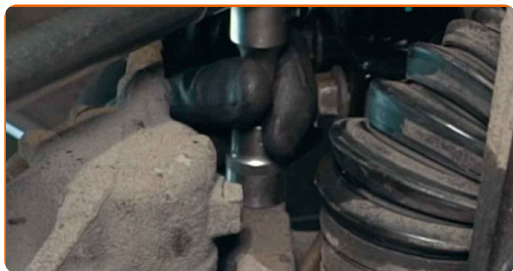
**65** Tighten the brake disc fastening. Use Torx T40. Use a torque wrench. Tighten it to 14 Nm torque.



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



**67** Tighten the brake caliper bracket. Use a drive socket #18. Use a torque wrench. Tighten it to 100 Nm torque.



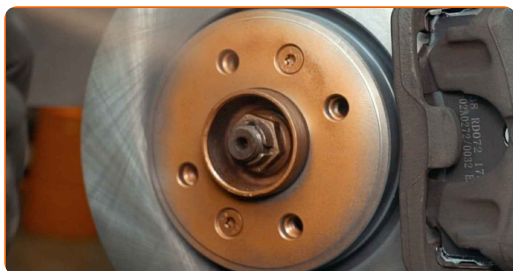
**68** Connect the brake hose fastener to the suspension strut.



**69** Treat all tie rod end connections. Treat the shock strut fasteners. Treat the fasteners of the ball joint. Use copper grease.

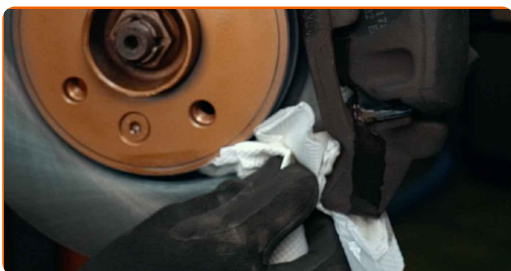


**70** Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



71

Clean the brake disk surface. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: wheel bearing – DACIA LOGAN EXPRESS (FS\_). After applying the spray, wait a few minutes.

72

Install the wheel.

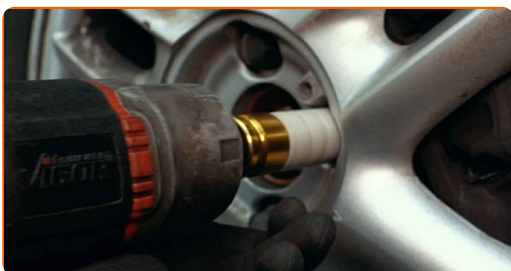


**AUTODOC recommends:**

- Important! Hold the wheel while screwing in the fastening bolts. DACIA LOGAN EXPRESS (FS\_)

73

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



**74** Lower the car.



**75** Tighten the bolt connecting the drive shaft to the wheel hub. Use a drive socket #30. Use a torque wrench. Tighten it to 280 Nm torque.



**76** Tighten the wheel bolts using a criss-cross pattern. Use wheel impact socket #19. Use a torque wrench. Tighten it to 90 Nm torque.



**77** Remove the jacks and chocks.



**WELL DONE!** 

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