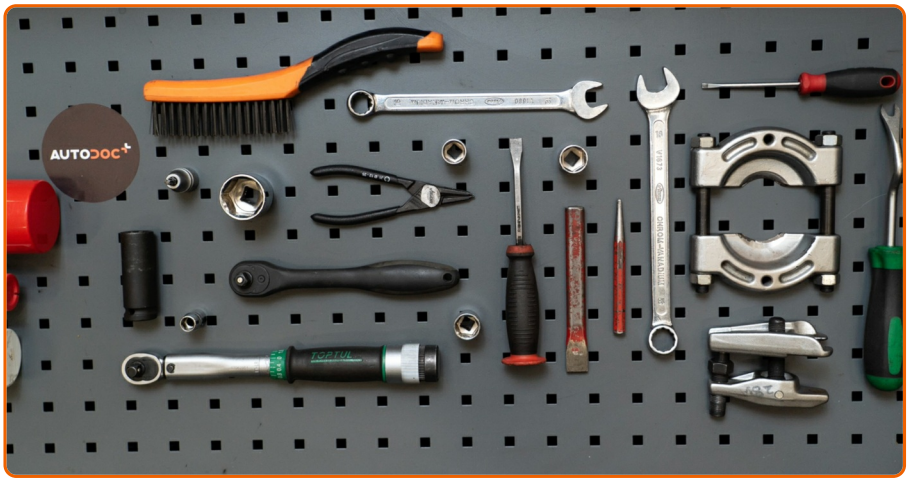
VIDEO TUTORIAL

ⓘ Important!

This replacement procedure can be used for:
RENAULT CLIO III (BR0/1, CR0/1) 1.5 dCi, RENAULT CLIO III Grandtour (KR0/1_) 1.5 dCi, RENAULT CLIO III Hatchback Van (SB_, SR_) 1.5 dCi (SR1H), RENAULT MODUS / GRAND MODUS (F/JP0_) 1.5 dCi 75, RENAULT MODUS / GRAND MODUS (F/JP0_) 1.5 dCi 90

The steps may slightly vary depending on the car design.

REPLACEMENT: WHEEL BEARING – RENAULT CLIO 3. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #16
- Combination spanner #18
- Torx bit T30
- Drive socket # 10
- Drive socket # 16
- Drive socket # 17
- Drive socket # 18
- Drive socket # 30
- Wheel impact socket #17
- Bush and bearing driver set
- Ratchet wrench
- Tap wrench
- Hammer
- Pin punch
- Flat chisel
- Flat Screwdriver
- Circlip pliers
- Clip removal tool
- 3-Arm Gear Puller
- Ball joint puller
- Bearing separator
- Vice
- Crow bar
- Wheel chock

Replacement: wheel bearing – Renault Clio 3. Tip from AUTODOC experts:

- Do not re-use the bearing assembly of your Renault Clio 3 car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Please note: all work on the car – Renault Clio 3 – 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 #17.

3

Clean the fastener of the driveshaft. Use WD-40 spray.

4

Unscrew the fastener connecting the drive shaft to the wheel hub. Use a drive socket #30. Use a tap wrench.

5

Raise the front of the car and secure on supports.

6

Unscrew the wheel bolts.

AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. Renault Clio 3

7

Remove the wheel.

8

Disconnect the ABS sensor wiring. Use a crowbar.

9

Unscrew the brake hose fastening bracket from the shock strut. Use a drive socket #10. Use a ratchet wrench.

10

Disconnect the brake hose mounting bracket.

11

Spread the brake pads. Use a crowbar.

12

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

13

Unscrew the caliper bracket fastening. Use a drive socket #18. Use a tap wrench.

14

Remove the brake caliper together with its bracket.

Replacement: wheel bearing – Renault Clio 3. AUTODOC experts 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.

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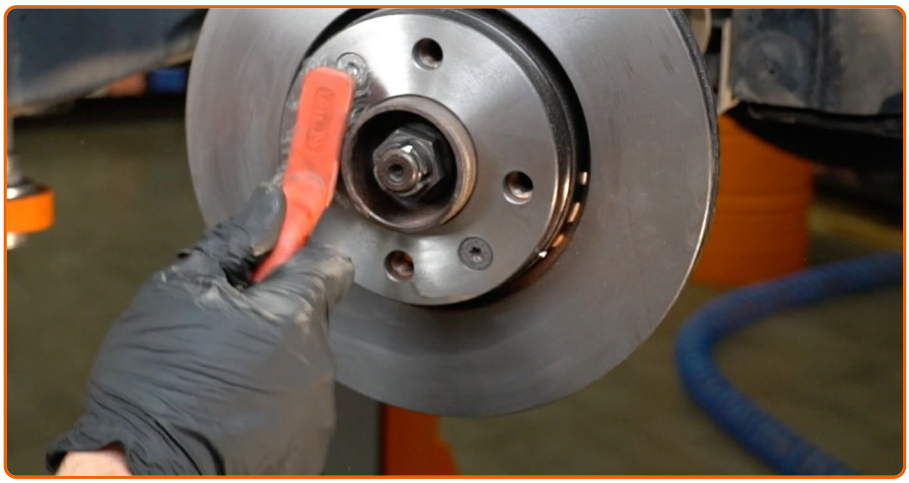


Clean the brake disc fasteners. Use a wire brush. Use WD-40 spray.

16

Unscrew the brake disc fastening. Use Torx T30. Use a ratchet wrench.

17

Remove the brake disc.

18

Remove the wheel arch cover. Use a clip removal tool.

19

Disconnect the ABS sensor wiring. Use a clip removal tool.

20

Detach the ABS sensor connector.

21

Clean all joints of the arm. Use a wire brush. Use WD-40 spray.

22

Unscrew the ball joint fastening to the steering knuckle. Use a combination spanner #16. Use a drive socket #16. Use a tap wrench.

23

Remove the fastening bolt.

24

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

25

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

26

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

27

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

28

Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.

29

Release the fastener that connects the control arm ball joint to the steering knuckle. Use a flat metal-working chisel. Use a hammer.

30

Disconnect the ball joint from the steering knuckle. Use a crowbar.

31

Detach the driveshaft from the steering knuckle.

Replacement: wheel bearing – Renault Clio 3. AUTODOC recommends:

- Make sure that the drive shaft is not unloaded (when the car is jacked).

32

Remove the fastening bolts.

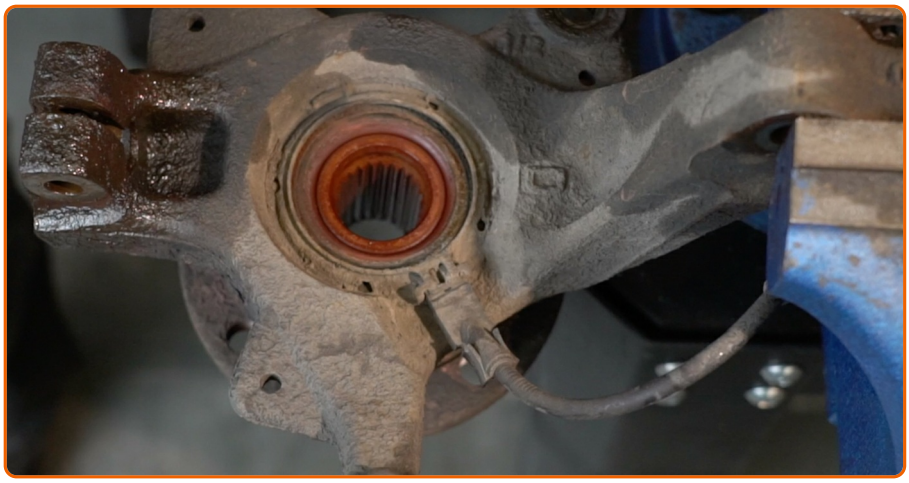
33

Disconnect the steering knuckle from the shock absorber strut.

34

Remove the steering knuckle together with the hub.

35



Grip the wheel hub together with the bearing in a vice.

36

Clean the ABS sensor fastener. Use a wire brush. Use WD-40 spray.

37

Disconnect the ABS sensor. Use a flat screwdriver.

38

Remove the wheel hub from the steering knuckle. Use a pin punch. Use a hammer.

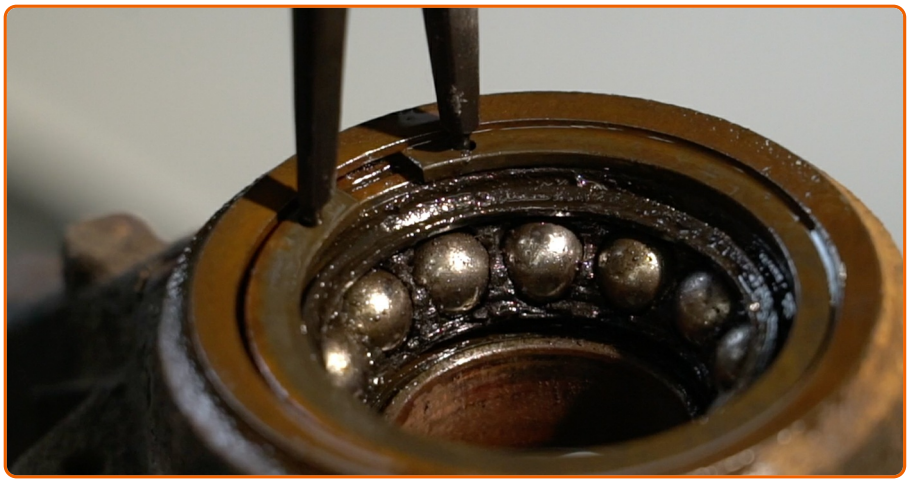
39

Pull the bearing inner race out of the wheel hub. Use 3-Arm Gear Puller. Use a bearing separator.

40

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

41



Remove the wheel hub bearing retaining ring. Use circlip pliers. Use a flat screwdriver.

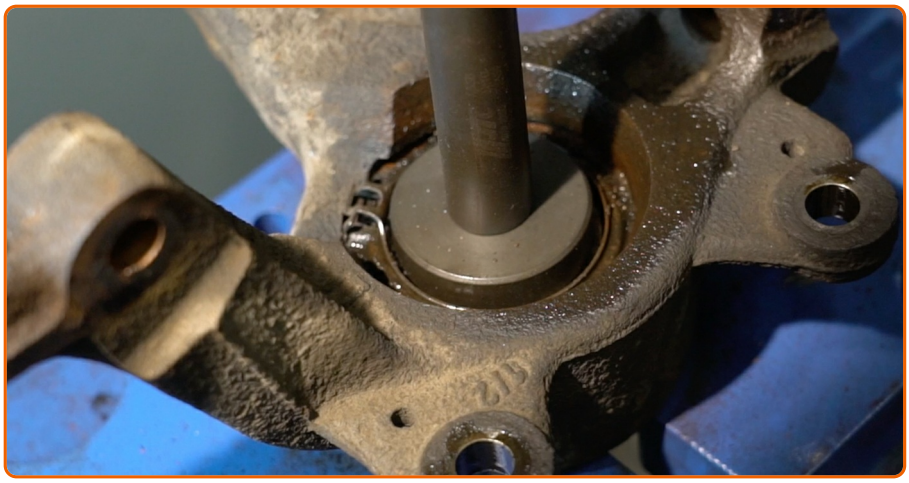
42

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

43

Release the vice and take out the wheel hub together with the bearing.

44

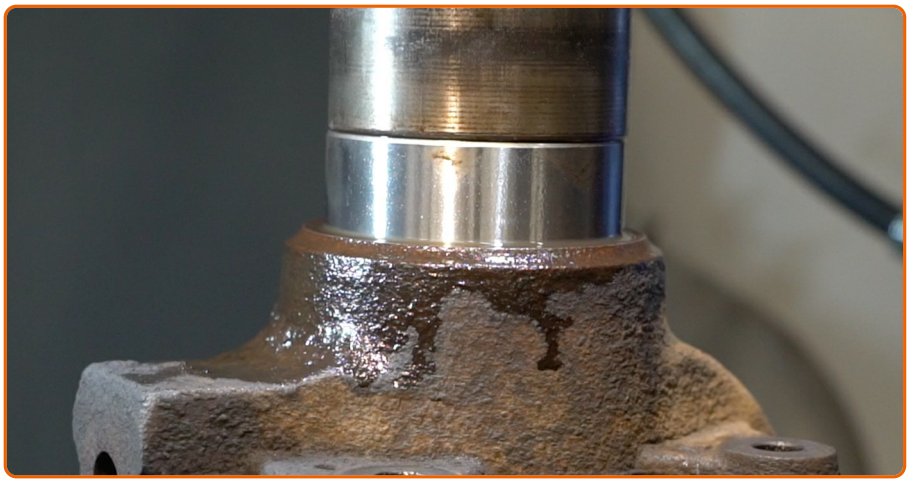


Press out the wheel hub bearing. Use a bush and bearing driver set.

45

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

46



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

Replacement: wheel bearing – Renault Clio 3. Tip from AUTODOC:

- 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.

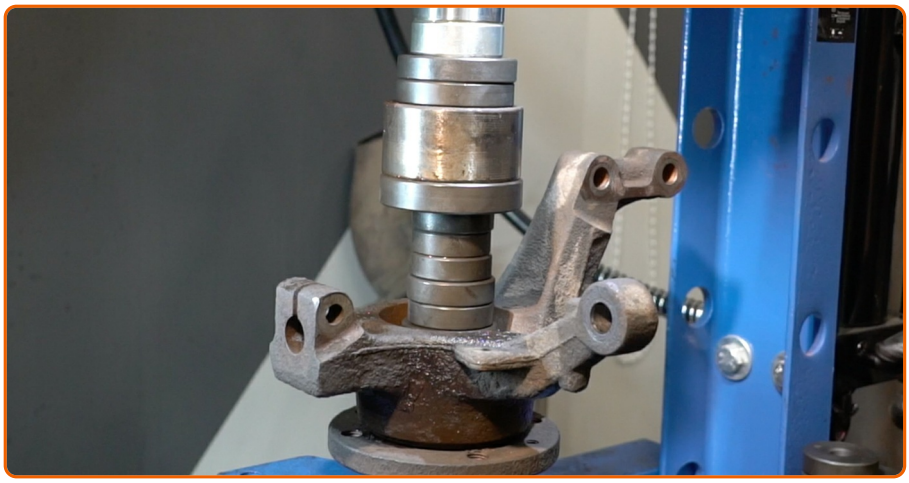
47

Install the wheel hub bearing retaining ring. Use circlip pliers.

48

Treat the fasteners of the wheel hub bearing. Use WD-40 spray.

49



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

50

Install the steering knuckle with a hub in assembly.

51

Connect the ABS sensor.

52

Fix the shock absorber strut on the steering knuckle.

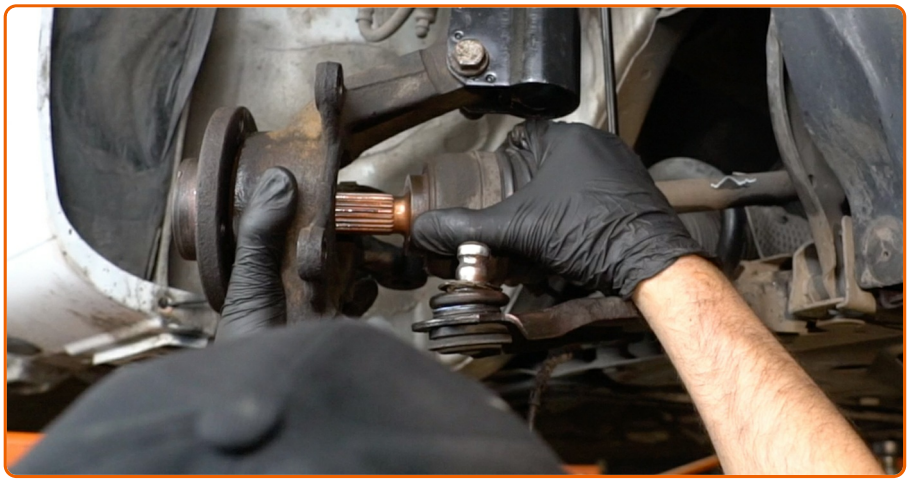
53

Install the fastening bolts.

54

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

55



Install the drive shaft.

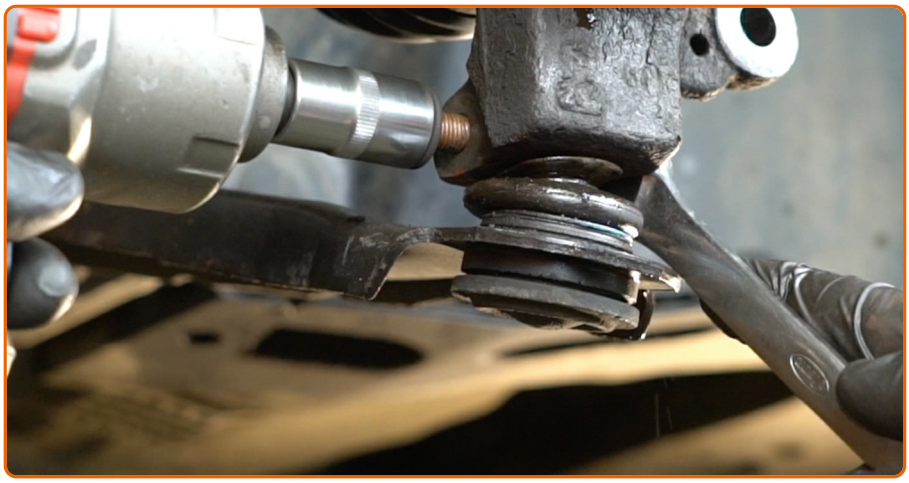
56

Connect the ball joint to the steering knuckle.

57

Install the fastening bolt.

58



Screw the fasteners of the ball joint. Use a combination spanner #16. Use a drive socket #16. Use a tap wrench.

59

Connect the tie rod end to the steering knuckle.

60

Screw on the fastening nut that connects the tie rod end to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.

61

Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 105 Nm torque.

62

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 70 nm torque.

63

Tighten the ball joint fastener. Use a combination spanner #16. Use a drive socket #16. Use a torque wrench. Tighten it to 62 Nm torque.

64

Screw the nut of the drive shaft. Use a drive socket #30. Use a ratchet wrench.

65

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

66

Install the brake disc.

67

Tighten the brake disc fastening. Use Torx T30. Use a torque wrench. Tighten it to 9 Nm torque.

68

Install the brake caliper together with its bracket.

69

Tighten the brake caliper bracket. Use a drive socket #18. Use a torque wrench. Tighten it to 85 Nm torque.

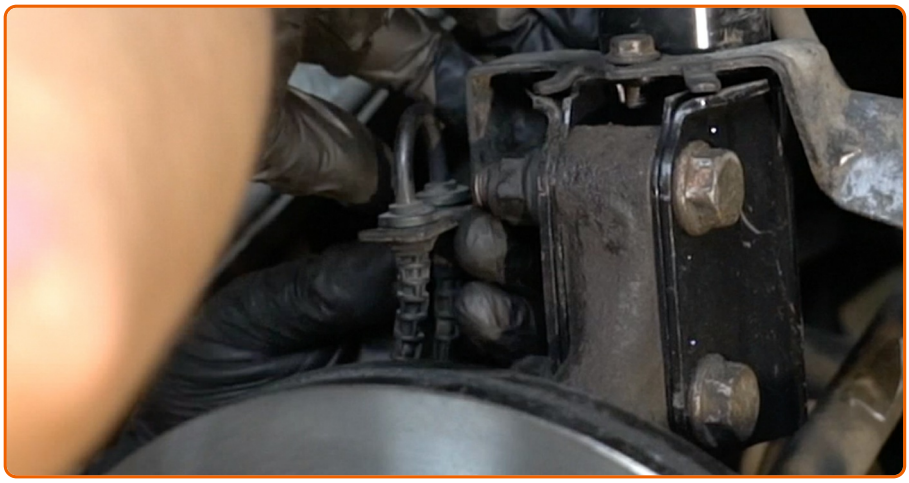
70

Secure the brake hose fastening bracket.

71

Tighten the brake hose fastening bracket to the shock strut. Use a drive socket #10. Use a ratchet wrench.

72



Connect the ABS sensor wiring.

73

Attach the ABS sensor connector.

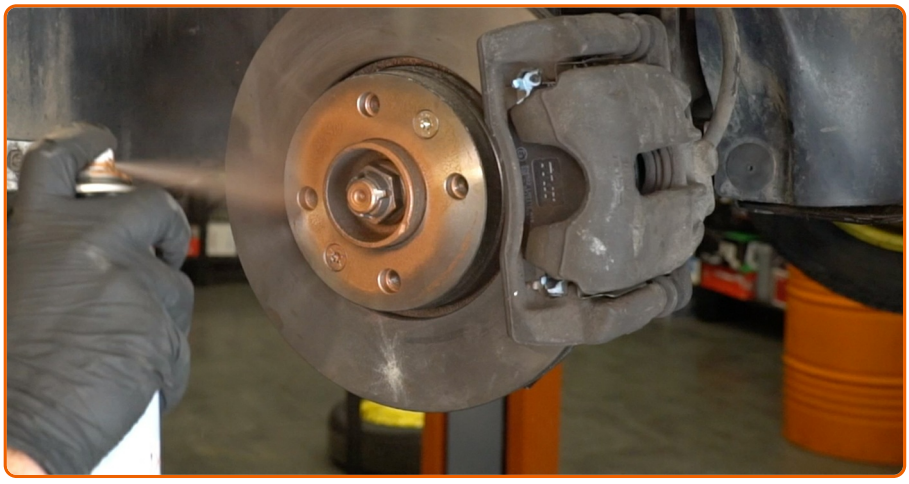
74

Install the wheel arch cover to its mounting seat.

75

Treat the shock strut fasteners. Treat the fasteners of the ball joint. Treat the fastener connecting the tie rod end to the steering knuckle. Use copper grease.

76



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

77

Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- Replacement: wheel bearing – Renault Clio 3. After applying the spray, wait a few minutes.

78

Install the wheel.

Replacement: wheel bearing – Renault Clio 3. AUTODOC experts recommend:

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

79

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

80

Lower the car.

81

Tighten the drive shaft nut. Use a drive socket #30. Use a torque wrench. Tighten it to 162 Nm torque.

82

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

83

Remove the jacks and chocks.

DID YOU FIND THESE INSTRUCTIONS HELPFUL?

YES NO

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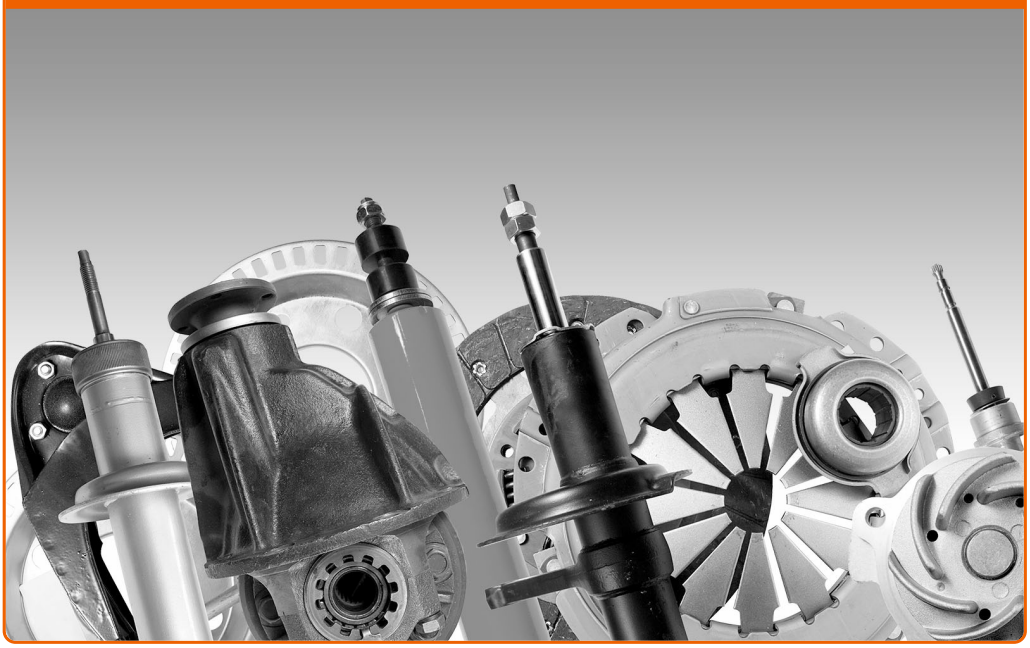
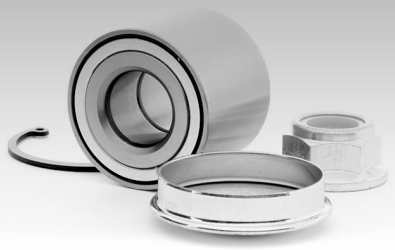


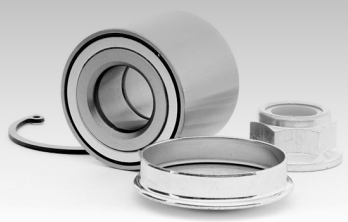
BUY SPARE PARTS FOR RENAULT

WHEEL BEARING: A WIDE SELECTION



CHOOSE CAR PARTS FOR RENAULT CLIO 3

WHEEL BEARING FOR RENAULT: BUY NOW



WHEEL BEARING FOR RENAULT CLIO 3: THE BEST DEALS & OFFERS

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