AUTODOC CLUB

# How to change front ball joint on **RENAULT Megane I Box Body / Estate (KA_)** – replacement guide

## SIMILAR VIDEO TUTORIAL

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

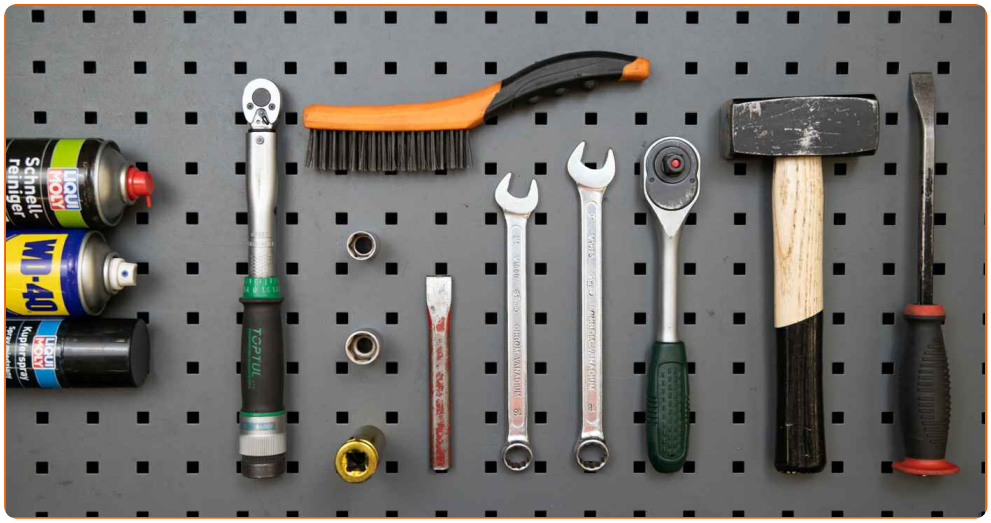
**Important!**

This replacement procedure can be used for:
RENAULT Megane I Box Body / Estate (KA_) 1.9 dCi (KA05)

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 (JA) 1.6 16V

# REPLACEMENT: BALL JOINT – RENAULT MEGANE I BOX BODY / ESTATE (KA_). LIST OF THE TOOLS YOU'LL NEED:




- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #16
- Combination spanner #18
- Drive socket # 16
- Drive socket # 18
- Wheel impact socket #19
- Ratchet wrench
- Flat chisel
- Crow bar
- Hammer
- Wheel chock

Buy tools

Replacement: ball joint – RENAULT Megane I Box Body / Estate (KA_). AUTODOC experts recommend:

- The replacement procedure is identical for the left and right ball joints.
- Please note: all work on the car – RENAULT Megane I Box Body / Estate (KA_) – 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 car.

Replacement: ball joint – RENAULT Megane I Box Body / Estate (KA_). 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.

4 Unscrew the wheel bolts.

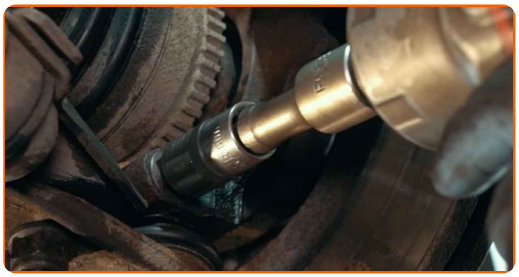
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. RENAULT Megane I Box Body / Estate (KA_)

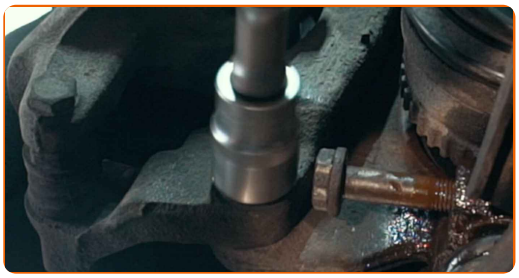
5 Remove the wheel.

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

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



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



9 Remove the fastening bolt.

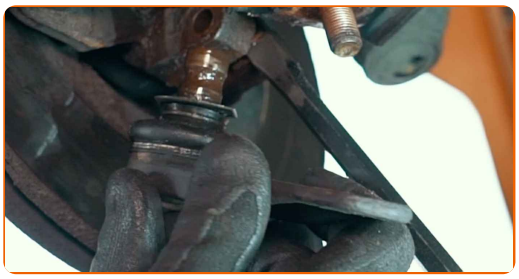
10 Clean the fasteners connecting the ball joint to the suspension control arm. Use a wire brush. Use WD-40 spray.

**11** Unscrew the fastener connecting the ball joint to the suspension control arm. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.

**12** Release the fastener connecting the ball joint to the steering knuckle. Use a crowbar.

**13** Disconnect the ball joint from the control arm.

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



**15** Clean the ball joint mounting seat. Use a wire brush.

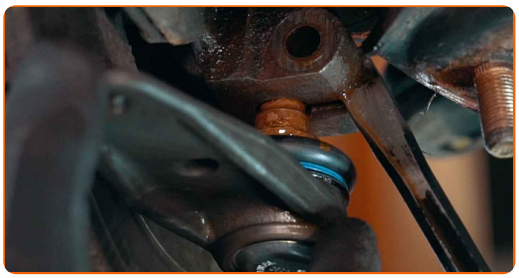
**16** Install a new ball joint.

## Replacement: ball joint – RENAULT Megane I Box Body / Estate (KA_). AUTODOC experts recommend:

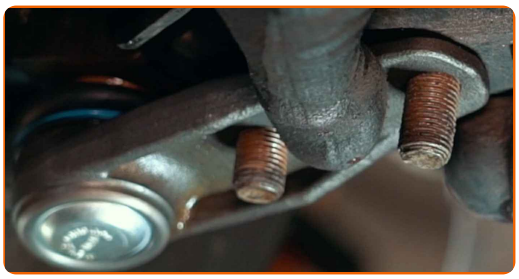
- Do not damage the ball joint cover.

**17** Treat the fasteners of the ball joint. Use copper grease.

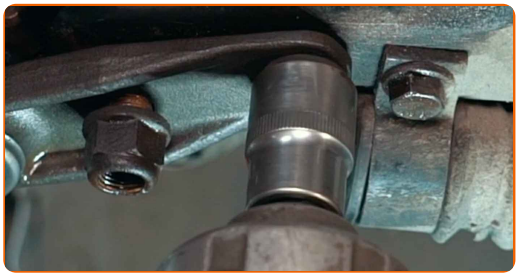
**18** Connect the ball joint to the steering knuckle.



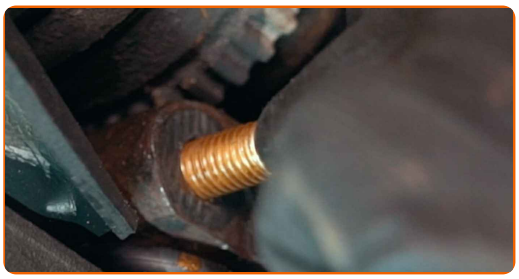
**19** Attach the ball joint to the control arm.



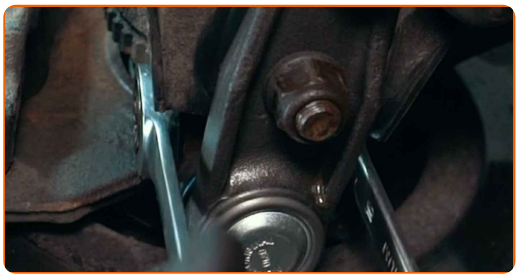
**20** Screw in the fastener connecting the ball joint to the control arm. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



**21** Install the fastening bolt.

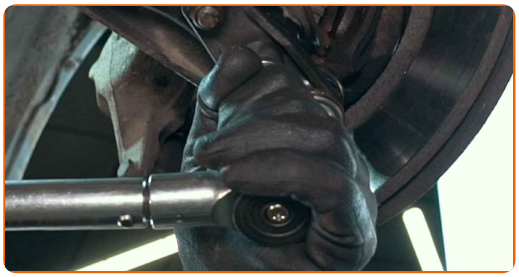


**22** Screw the fastener connecting the ball joint to the steering knuckle. Use a combination spanner #16. Use a drive socket #16. Use a ratchet wrench.

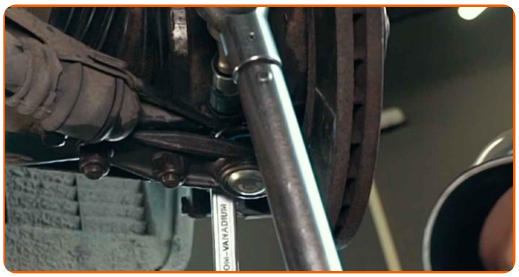


**23** Tighten the brake caliper bracket. Use a drive socket #18. Use a torque wrench. Tighten it to 100 Nm torque.

**24** 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.



**25** Tighten the fastener connecting the ball joint to the steering knuckle. Use a combination spanner #16. Use a drive socket #16. Use a torque wrench. Tighten it to 55 Nm torque.



**26** Treat the fasteners of the ball joint. Use copper grease.

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

**28** Clean the brake disk surface. Use a brake cleaner.

## AUTODOC recommends:

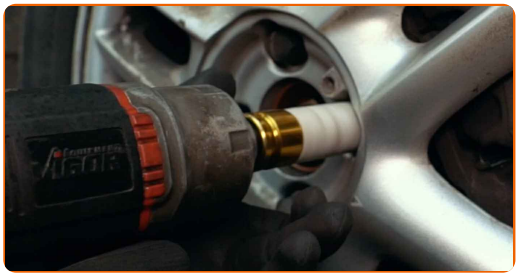
- Replacement: ball joint – RENAULT Megane I Box Body / Estate (KA_). After applying the spray, wait a few minutes.

**29** Install the wheel.

## AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. RENAULT Megane I Box Body / Estate (KA_)

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



**31** 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.

32 Remove the jacks and chocks.

Replacement: ball joint – RENAULT Megane I Box Body / Estate (KA_). Tip from AUTODOC experts:

- After replacing the component, it is advisable to realign the wheels using a wheel aligner.

## WELL DONE!

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