



VIDEO TUTORIAL

ⓘ Important!

This replacement procedure can be used for:

TOYOTA ALPHARD / VELLFIRE (_H2_) 2.4 (ANH20W), TOYOTA ALPHARD / VELLFIRE (_H2_) 2.4 4WD (ANH25W), TOYOTA PREVIA III (_R2_, _R5_) 2.4 (ACR50_), TOYOTA RAV 4 III (_A3_) 2.4 (ACA36, ACA38), TOYOTA RAV 4 III (_A3_) 2.4 4WD (ACA31, ACA33)

The steps may slightly vary depending on the car design.

REQUIRED TOOLS:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #19
- Drive socket # 12
- Drive socket # 17
- Drive socket # 22
- Wheel impact socket #21
- Torque wrench
- Crow bar
- Tap wrench
- Flat Screwdriver
- Round-nose pliers
- Ball joint puller
- Hydraulic transmission jack
- Wheel chock

AUTODOC recommends:

- The replacement procedure is identical for the left and right lower control arms.
- All work should be done with the engine stopped.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1



Secure the wheels with chocks.

2



Loosen the wheel mounting bolts. Use wheel impact socket #21.

3



Raise the front of the car and secure on supports.

4



Unscrew the wheel bolts.

AUTODOC recommends:

- To avoid injury, hold up the wheel when unscrewing the bolts.

5



Remove the wheel.

6



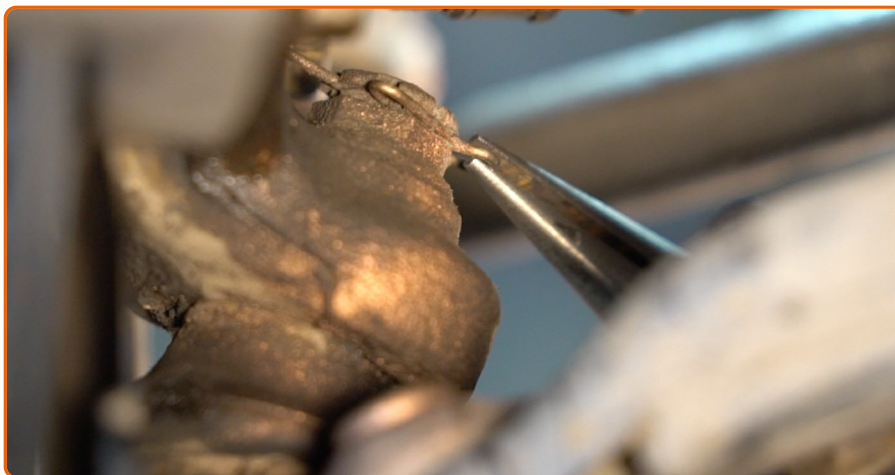
Undo the fasteners of the oil pan lower cover. Use a drive socket #12.

7



Remove the oil pan cover.

8



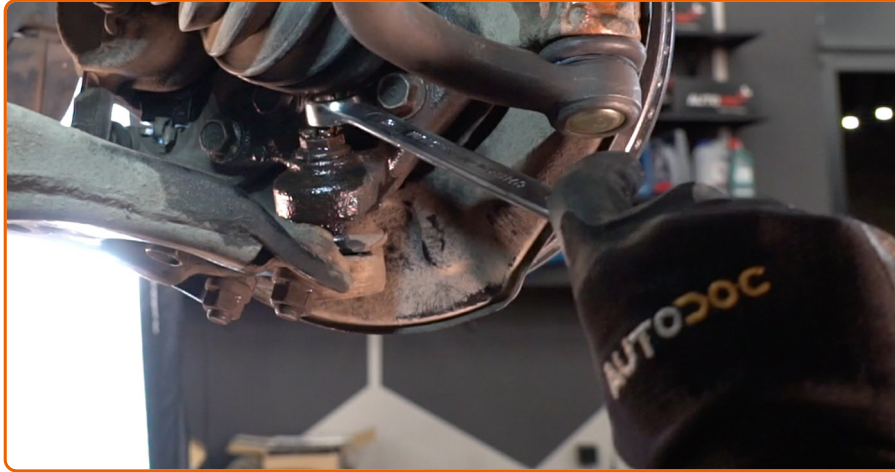
Remove the cotter pin. Use a flat screwdriver. Use round-nose pliers.

9



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

10



Loosen the fastener connecting the ball joint to the steering knuckle. Use a combination spanner #19.

11



Unscrew the front arm fastener. Use a drive socket #22. Use a tap wrench.

12



Remove the front fastener of the control arm.

13



Unscrew the rear arm fastener. Use a drive socket #22. Use a tap wrench.

14



Remove the rear fastener of the control arm.

15



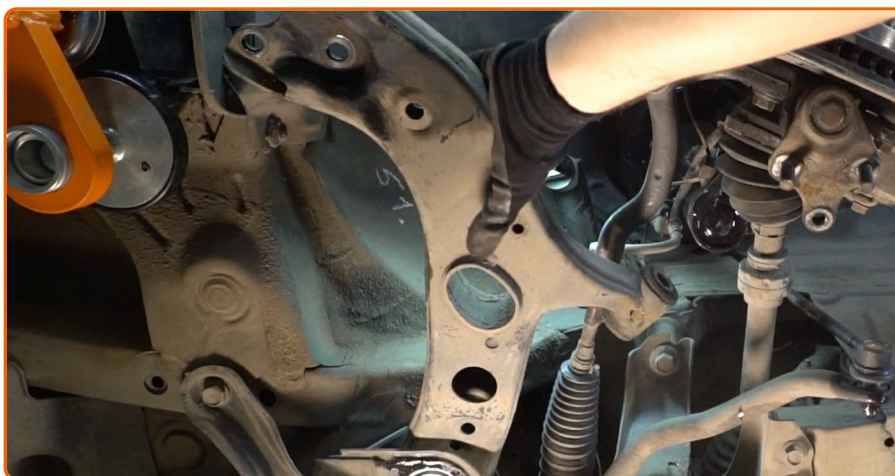
Unscrew the fastener connecting the ball joint to the suspension control arm. Use a drive socket #17.

16



Disconnect the spherical joint from the arm.

17



Remove the arm. Use a crowbar.

18



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

19



Clean the mounting seats and the thread of the suspension arm. Use a wire brush. Use WD-40 spray.

20



Install a new arm.

AUTODOC recommends:

- During the installation process, use only new bolts and nuts.
- Do not damage the ball joint cover.

21



Install the rear fastener of the arm.

22



Install the front fastener of the arm.

23



Attach the ball joint to the control arm.

24



Screw the fasteners of the ball joint. Use a drive socket #17.

25



Connect the ball joint to the steering knuckle

26



Screw the fastener connecting the ball joint to the steering knuckle. Use a combination spanner #19. Use a torque wrench. Tighten it to 60 Nm torque.

27



Install the cotter pin. Use round-nose pliers.

28



Support the arm. Use a hydraulic transmission jack.

29



Tighten the front fastener connecting the control arm to the subframe. Use a drive socket #22. Use a torque wrench. Tighten it to 95 Nm torque.

30



Tighten the rear fastener of the control arm. Use a combination spanner #19. Use a drive socket #22. Use a torque wrench. Tighten it to 95 nm torque.

31



Remove the support from under the arm.

AUTODOC recommends:

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

32



Tighten the ball joint fastener. Use a drive socket #17. Use a torque wrench. Tighten it to 65 nm torque.

33



Treat all joints of the arm. Use copper grease.

34



Reinstall the oil pan lower cover.

35



Tighten the fasteners of the oil pan lower cover. Use a drive socket #12.

36



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

37



Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- After applying the spray, wait a few minutes.

38

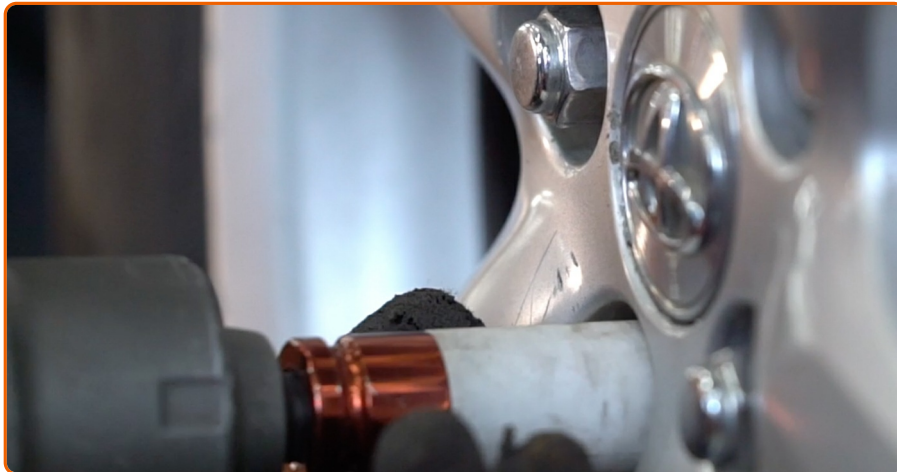


Install the wheel.

AUTODOC recommends:

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

39



Screw in the wheel bolts. Use wheel impact socket #21.

40



Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 120 nm torque.

41



Remove the jacks and chocks.

**DID YOU FIND THESE INSTRUCTIONS
HELPFUL?**

YES

NO



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