



How to change rear  
suspension lower trailing  
arm on **TOYOTA Land  
Cruiser Prado 150 (J150)**  
– 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:

TOYOTA Land Cruiser Prado 150 (J150) 4.0 V6 VVT-i (GRJ150\_, GRJ125\_), TOYOTA Land Cruiser Prado 150 (J150) 3.0 D-4D (KDJ155\_, KDJ150\_), TOYOTA Land Cruiser Prado 150 (J150) 2.7 (TRJ150\_, TRJ155\_), TOYOTA Land Cruiser Prado 150 (J150) 3.0 D-4D (KDJ150\_), TOYOTA Land Cruiser Prado 150 (J150) 4.0 V6 VVTi (GRJ150\_), TOYOTA Land Cruiser Prado 150 (J150) 4.0 V6 Dual VVTi (GRJ150\_), TOYOTA Land Cruiser Prado 150 (J150) 4.0 V6 VVTi, TOYOTA Land Cruiser Prado 150 (J150) 2.8 D-4D (GDJ150\_, GDJ155\_)

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: TOYOTA Land Cruiser Prado 120 (J120) 3.0 D-4D

**REPLACEMENT: REAR SUSPENSION LOWER TRAILING  
ARM – TOYOTA LAND CRUISER PRADO 150 (J150).  
TOOLS YOU NEED:**



- Wire brush
- WD-40 spray
- Copper grease
- Combination spanner #19
- Drive socket # 12
- Drive socket # 19
- Wheel impact socket #21
- Torque wrench
- Tap wrench
- Crow bar
- Hydraulic transmission jack
- Wheel chock

**Buy tools**

Replacement: rear suspension lower trailing arm – TOYOTA Land Cruiser Prado 150 (J150). AUTODOC recommends:

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

## REPLACEMENT: REAR SUSPENSION LOWER TRAILING ARM – TOYOTA LAND CRUISER PRADO 150 (J150). TAKE THE FOLLOWING STEPS:

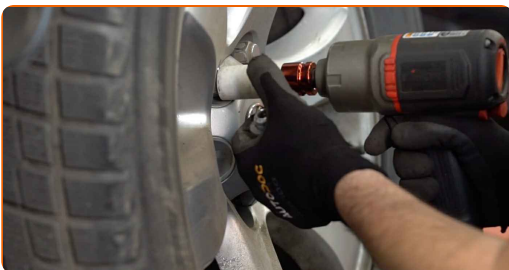
**1** Secure the wheels with chocks.

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



**3** Raise the rear of the car and secure on supports.

**4** Unscrew the wheel bolts.

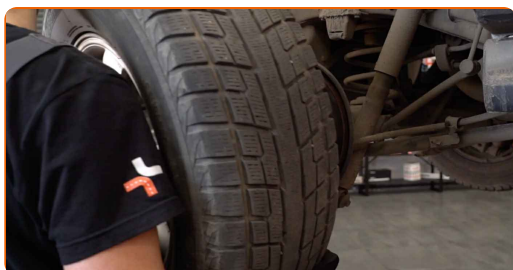


Replacement: rear suspension lower trailing arm – TOYOTA Land Cruiser Prado 150 (J150). Tip:

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

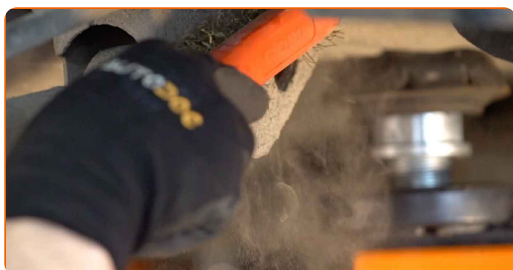
5

Remove the wheel.



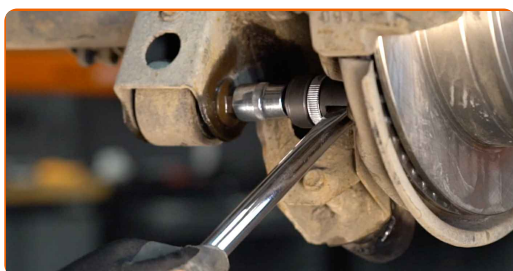
6

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

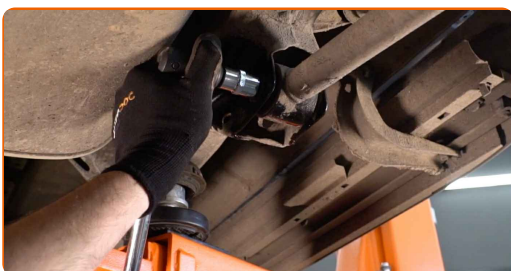


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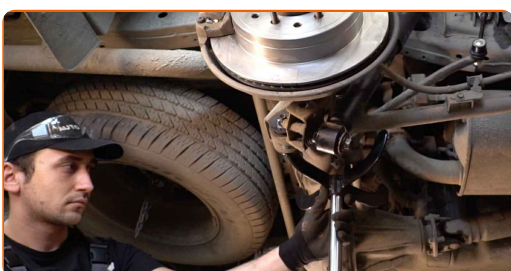
Unscrew the arm fastening to the beam. Use a drive socket #19. Use a tap wrench.



- 8 Unscrew the fastener connecting the trailing arm to the car body. Use a combination spanner #19. Use a drive socket #19. Use a tap wrench.



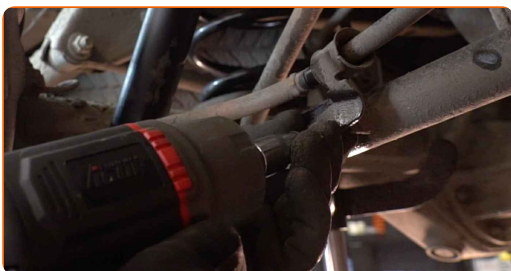
- 9 Support the rear suspension beam. Use a hydraulic transmission jack.



- 10 Clean the parking brake bracket. Use a wire brush. Use WD-40 spray.



- 11 Unscrew the bolt and remove the parking brake cable bracket from the trailing arm. Use a drive socket #12.



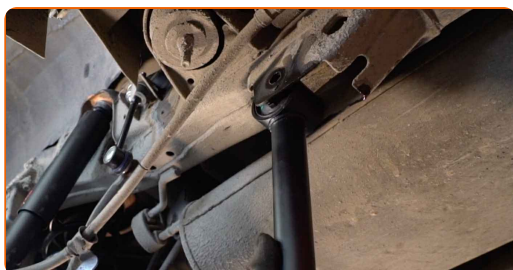
**12** Remove the fastening bolts.



**13** Remove the arm.



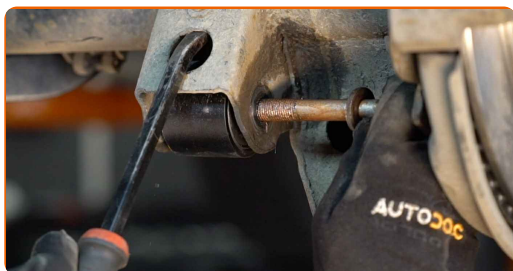
**14** Install a new arm.



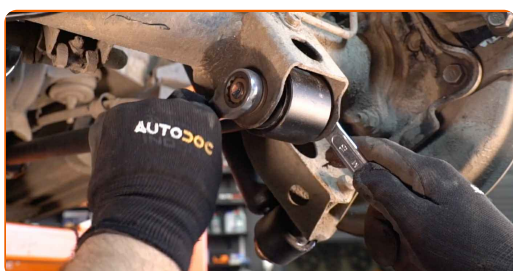
Replacement: rear suspension lower trailing arm – TOYOTA Land Cruiser Prado 150 (J150). Tip from AUTODOC experts:

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

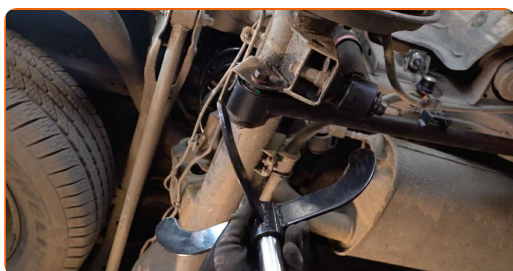
**15** Install the control arm fasteners. Use a crowbar.



**16** Tighten the fastener connecting the trailing arm to the car body. Screw in the fastener connecting the control arm to the rear subframe. Use a combination spanner #19.



**17** Remove the mounting from under the rear axle beam.

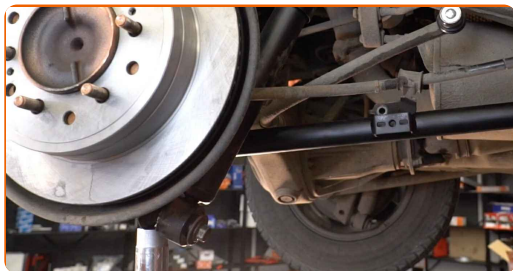


**AUTODOC recommends:**

- Replacement: rear suspension lower trailing arm – TOYOTA Land Cruiser Prado 150 (J150). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.



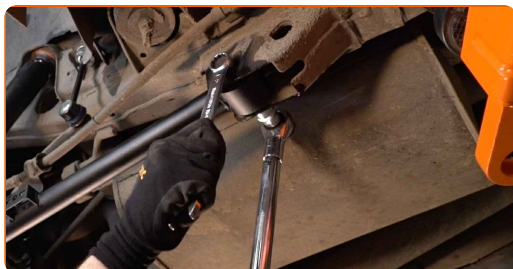
**18** Support the arm. Use a hydraulic transmission jack.



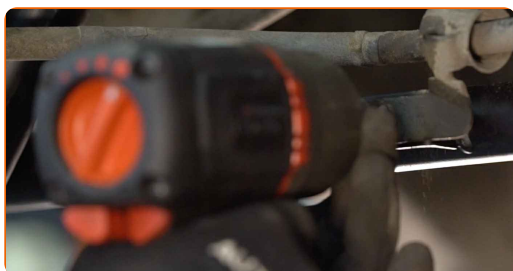
**19** Tighten the arm fastening to the beam. Use a combination spanner #19. Use a drive socket #19. Use a torque wrench. Tighten it to 130 Nm torque.



**20** Tighten the fastener connecting the control arm to the car body. Use a combination spanner #19. Use a drive socket #19. Use a torque wrench. Tighten it to 130 Nm torque.



**21** Install the bracket attaching the parking brake cable to the trailing arm. Use a drive socket #12.



22

Treat all joints of the arm. Use copper grease. Remove the support from under the arm.

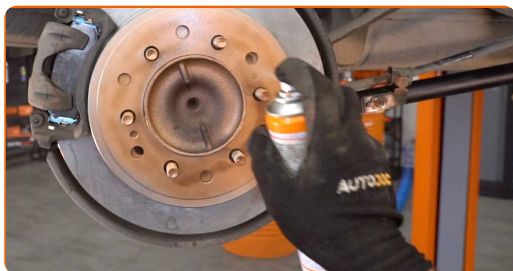


**AUTODOC recommends:**

- TOYOTA Land Cruiser Prado 150 (J150) – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

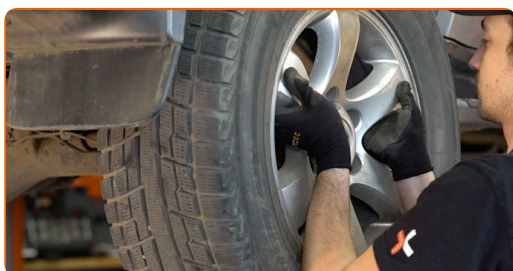
23

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



24

Install the wheel.

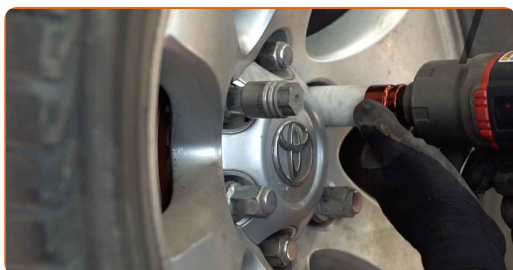


Replacement: rear suspension lower trailing arm – TOYOTA Land Cruiser Prado 150 (J150). AUTODOC experts recommend:

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

25

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



26

Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 112 nm torque.



27

Remove the jacks and chocks.



**WELL DONE!** 

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