



How to change rear  
suspension lower trailing  
arm on **LEXUS RX (GYL1\_,  
GGL15, AGL10)** –  
replacement guide

## SIMILAR VIDEO TUTORIAL



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

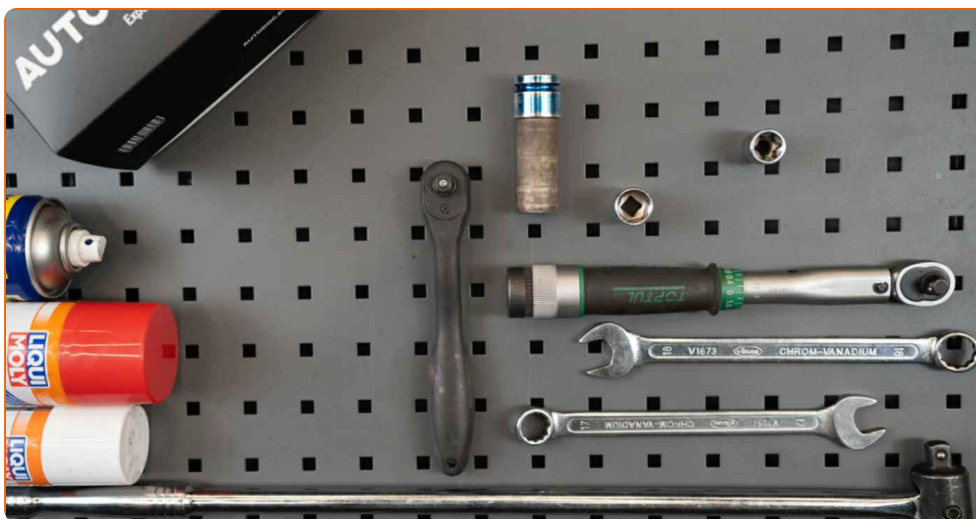
### Important!

This replacement procedure can be used for:  
LEXUS RX (GYL1\_, GGL15, AGL10) 450h AWD (GYL15)

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: LEXUS RX (MHU3\_, GSU3\_, MCU3\_) 3.3 400h AWD

**REPLACEMENT: REAR SUSPENSION LOWER TRAILING ARM – LEXUS RX (GYL1\_, GGL15, AGL10). LIST OF THE TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #17
- Combination spanner #18
- Drive socket # 17
- Drive socket # E18
- Wheel impact socket #21
- Torque wrench
- Tap wrench
- Hydraulic transmission jack
- Wheel chock

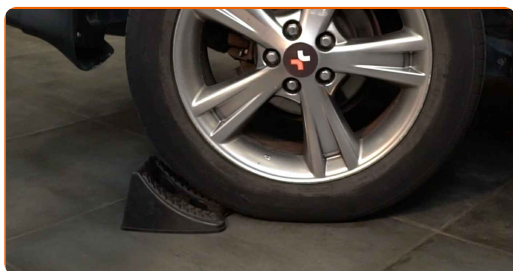
**Buy tools**

Replacement: rear suspension lower trailing arm – LEXUS RX (GYL1\_, GGL15, AGL10). AUTODOC experts recommend:

- The replacement procedure is identical for the left and right lower control arms.
- Warning! Shut down the engine before starting any work – LEXUS RX (GYL1\_, GGL15, AGL10).

## 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 rear of the car and secure on supports.

**4** Unscrew the wheel bolts.

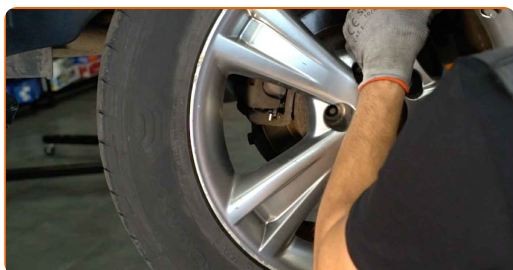


Replacement: rear suspension lower trailing arm – LEXUS RX (GYL1\_, GGL15, AGL10). AUTODOC recommends:

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

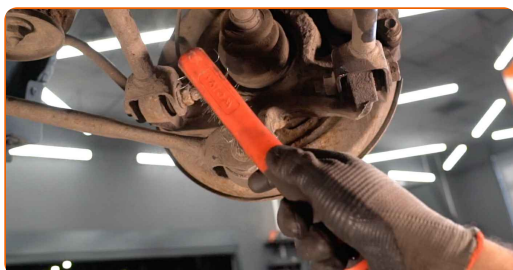
5

Remove the wheel.



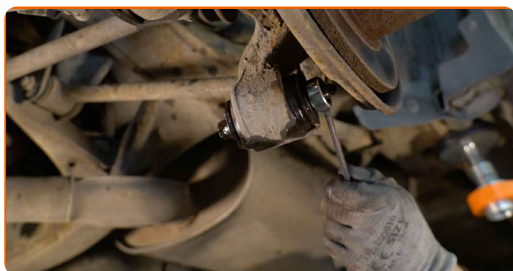
6

Clean the control arm fasteners. Use a wire brush. Use WD-40 spray.

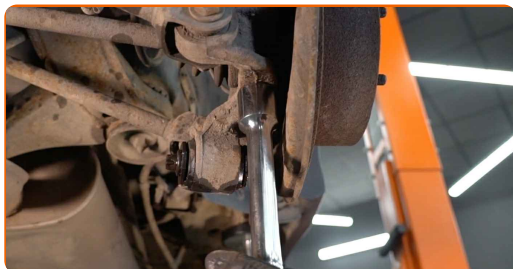


7

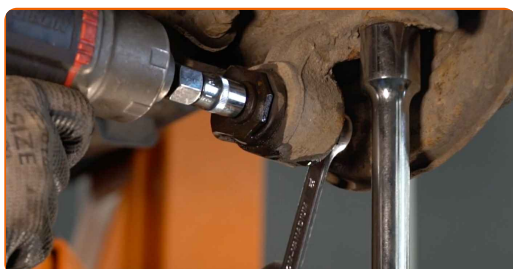
Loosen the fastener that connects the control arm to the rear knuckle. Use a combination spanner #18. Use a drive socket #E18. Use a tap wrench.



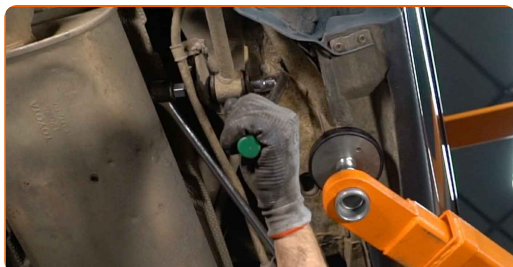
**8** Support the stub axle. Use a hydraulic transmission jack.



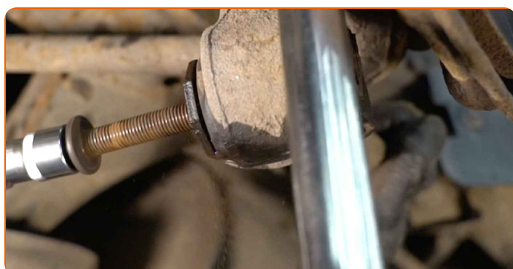
**9** Unscrew the fastener connecting the control arm to the rear knuckle. Use a combination spanner #18. Use a drive socket #E18. Use a tap wrench.



**10** Unscrew the fastener connecting the trailing arm to the car body. Use a combination spanner #17. Use a drive socket #17. Use a tap wrench.



**11** Remove the fastening bolts.



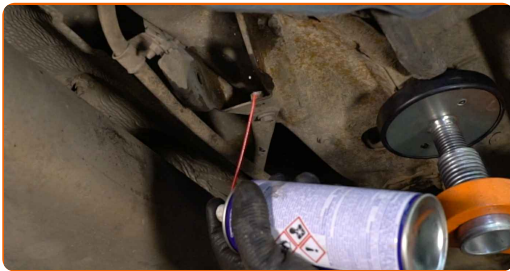
**12**

Remove the arm.



**13**

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



**14**

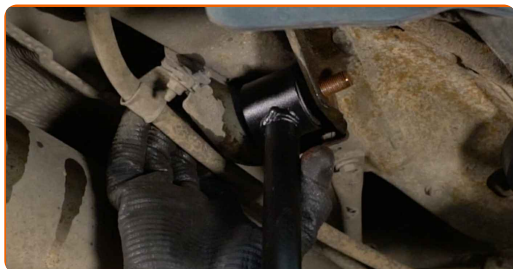
Install a new arm.



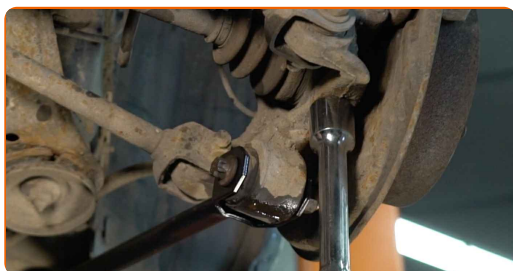
Replacement: rear suspension lower trailing arm – LEXUS RX (GYL1\_, GGL15, AGL10). Tip:

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

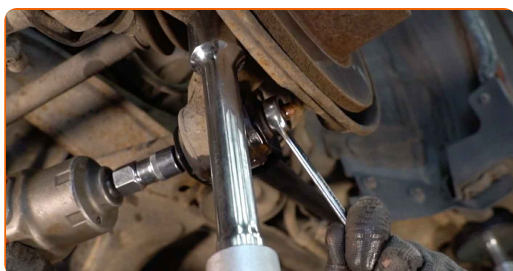
**15** Install the fastening bolts.



**16** Raise the hydraulic transmission jack by 10-15 cm.

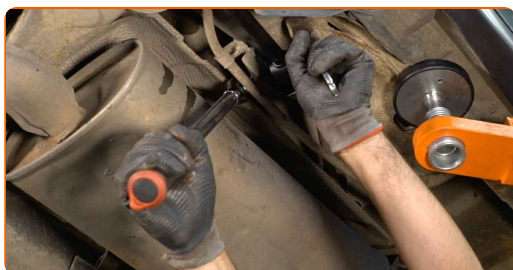


**17** Screw in the fastener that connects the control arm to the rear knuckle. Use a combination spanner #18. Use a drive socket #E18. Use a tap wrench.



**18** Tighten the fastener connecting the trailing arm to the car body. Use a combination spanner #17. Use a drive socket #17. Use a tap wrench.

**19** Tighten the fastener connecting the control arm to the car body. Use a combination spanner #17. Use a drive socket #17. Use a torque wrench. Tighten it to 80 nm torque.





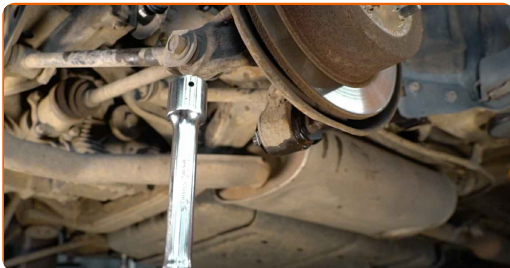
**20**

Tighten the fastener connecting the suspension arm to the rear knuckle. Use a combination spanner #18. Use a drive socket #E18. Use a torque wrench. Tighten it to 80 nm torque.



**21**

Remove the support from under the stub axle.



**AUTODOC recommends:**

- Replacement: rear suspension lower trailing arm – LEXUS RX (GYL1\_, GGL15, AGL10). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

**22**

Treat all joints of the arm. Use copper grease.



**23**

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



**24**

Clean the brake disk surface. Use a brake cleaner.

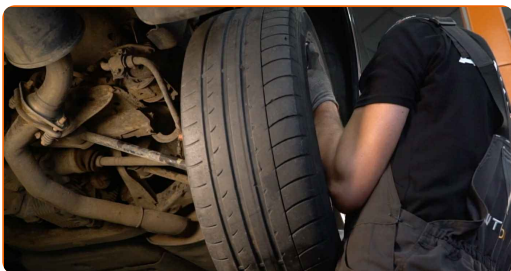


Replacement: rear suspension lower trailing arm – LEXUS RX (GYL1\_, GGL15, AGL10). Tip from AUTODOC experts:

- After applying the spray, wait a few minutes.

**25**

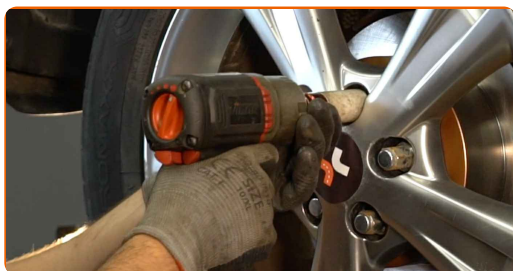
Install the wheel.



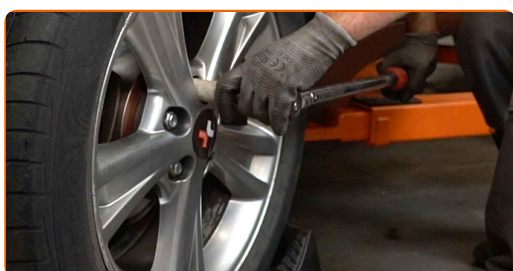
AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. LEXUS RX (GYL1\_, GGL15, AGL10)

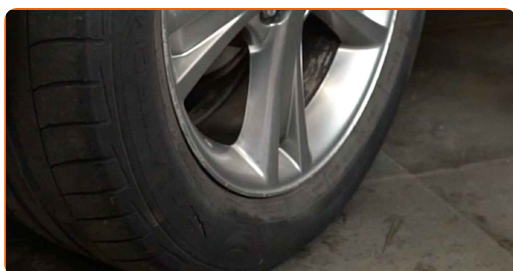
**26** Screw in the wheel bolts. Use wheel impact socket #21.



**27** Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 103 nm torque.



**28** Remove the jacks and chocks.



**WELL DONE!** 

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