



AA041 Installation Instructions

Due to the many different coilover options available, these instructions will not cover installation of the coilover. Please refer to manufacturer's instructions provided with the coilovers.

Tools Required:

Jack and jackstands

Ratchet

Sockets - 15mm, 18mm, 21mm, 24mm, E8 (external torx)

Wrenches - 24mm

Pry-bar or spring compressor

1. Place front of vehicle securely on jackstands, place jack under a-arm that will be removed first.
2. Remove front wheels.
3. Using the 15mm socket, remove sway bar end links as shown in **IMAGE 1**.
4. Unclip ABS wires as shown in **IMAGE 2**.



5. Using the E8 socket, remove the ABS sensor.
6. Using the 24mm socket, remove the nuts and ABS line bracket from the strut as shown in **IMAGE 3**.
7. Remove 15mm caliper bolts and hang the caliper as shown in **IMAGE 4**.
8. Using the 21mm socket and 24mm wrench, remove the lower strut bolts. **NOTE: Make sure jack is secure and has light pressure on the lower arm before removing strut bolts.**
9. Remove 24mm lower ball joint nut as shown in **IMAGE 5**.



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IMAGE 4



IMAGE 5

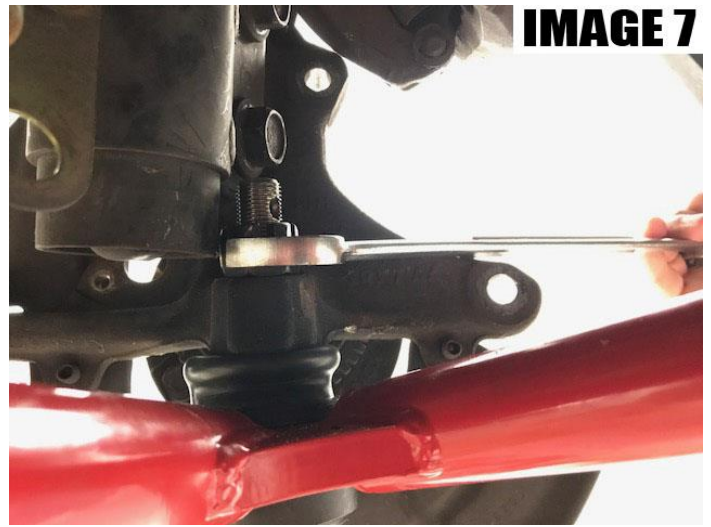
10. Remove spindle, followed by the spring. **NOTE: Use caution removing the spring, as it can have a large amount of pressure on it. A spring compressor or an extra person with a pry bar to hold the spring in position is recommended.**
11. Using the 21mm socket and 24mm wrench, remove the lower control arm bolts. **NOTE: On some cars the rack may need to be moved to remove the front control arm bolt. Loosen the 15mm and 18mm rack bolts and 13mm steering shaft bolt and slide rack forward to allow removal of control arm bolt.**
12. Remove lower control arm.
13. Install new lower control arm using factory hardware as shown in **IMAGE 6**.
14. Install coilover as per manufacturer's instructions.
15. Reinstall spindle to coilover using 21mm socket and 24mm wrench.
16. Install 24mm lower ball joint nut as shown in **IMAGE 7**.
(NOTE: You will be required to use the provided Aluminum spacer on top of the spindle and below the castle nut on the ball joint if you have purchase AA040 Arms)
17. Tighten 15mm and 18mm steering rack bolts, along with 13mm steering shaft bolt.
18. Install ABS line bracket and 24mm nuts on strut bolts.
19. Using the E8 socket, install ABS sensor and clip ABS wires back in.
20. Install rotor and caliper with 15mm caliper bolts.
21. Reinstall 15mm swaybar endlink bolts
22. Reinstall wheel.
23. Repeat steps for other side.

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Torque Specs:

- Sway Bar End Links: 14 ft-lbs
- Ball joint to Steering Knuckle: 130 ft-lbs
- Caliper to Steering Knuckle: 90ft-lbs
- Control Arm to Cross-member: 170ft-lbs
- Steering Rack to Cross-member: 35 ft-lbs
- Shock to Steering Knuckle: 170 ft-lbs
- Tie Rod Ends to Steering Knuckle: 35 ft-lbs
- Wheel to Hub: 95ft-lbs

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