

DK-811989F INSTRUCTIONS



PARTS INCLUDED

Quantity	Item Description	Part #
1	left coilover shock	DK-811989F-A1300
1	right coilover shock	DK-811989F-A1400
1	left reservoir mount	DK-811989F-A1301
1	right reservoir mount	DK-811989F-A1401
1	spanner wrench	DK-SW001
1	skid plate spacer kit	DK-811989F-b1100
1	allen key	N/A

1. RAISE THE VEHICLE AND PREPARE FOR INSTALLATION

- a. Safely support the vehicle and remove the front wheels.



2. REMOVE SKID PLATE

- a. Remove the skid plate hardware and remove the skid plate.



3. REMOVE SWAY BAR

- a. Remove the sway bar mount brackets at the chassis.
- b. Perform this operation on both sides of the vehicle.



4. DISCONNECT THE UPPER CONTROL ARM

- a. Unbolt the line clamp from the upper control arm.
- b. Remove the ball joint nut at the steering knuckle.
- c. Separate the ball joint from the steering knuckle using a ball joint separator tool.



5. REMOVE SHOCK

- a. Remove the sway bar link nut at the knuckle. Detach the link from the steering knuckle.
- b. Remove the upper shock hardware.
- c. Remove the lower shock hardware.
- d. Remove the shock from the vehicle.



6. INSTALL THE DIRT KING COIL OVER

- a. Note: Aftermarket upper control arms are required to allow for the additional down travel that the coilovers provide.
- b. Install the coilover into the chassis.
- c. Apply blue thread locker to the upper mounting bolts and torque to 35 ft lbs.
- d. Apply red thread locker to the factory lower shock bolt and torque to 70 ft lbs.
- e. Reattach the sway bar end link to the steering knuckle. Torque the nut to 52 ft lbs.



7. REATTACH THE UPPER CONTROL ARM

- a. Install the upper control arm ball joint to the steering knuckle. Torque the upper control arm hardware according to your manufacturer's instructions.
- b. Reattach the line clamp to the upper control arm per your manufacturer's instructions.



8. INSTALL THE RESERVOIR MOUNT

- a. With the sway bar brackets removed, install the Dirt King reservoir bracket to the chassis using the longer supplied socket head bolts. Torque to 37 ft lbs.
- b. Install the sway bar brackets to the reservoir bracket using the shorter supplied socket head bolts. Torque to 37 ft lbs.
- c. Note: Steps 8a and 8b must be completed on both the left and right sides before starting Step 9.



9. MOUNT THE SHOCK RESERVOIR

- a. Mount the Dirt King reservoir to the bracket.
- b. Torque the clamp socket head bolts to 12 ft lbs. Ensure the reservoir hose is not contacting any components. Rotate the reservoir in the clamps to reposition the hose if needed.



10. INSTALL THE SKID PLATE SPACERS

- a. Remove the skid plate mount support bolts and discard the hardware.
- b. Using the longer bolts provided in your kit, mount the spacers between the skid plate supports and the chassis. Torque the bolts to 70 ft lbs.
- c. Reinstall the skid plate.
- d. Reconnect the sway bar link and torque to 52 ft lbs.



11. REVIEW YOUR WORK AND REPEAT STEPS ON THE OTHER SIDE OF THE VEHICLE

- a. Inspect all components to ensure they are correctly installed.



12. REVIEW YOUR WORK AND REPEAT STEPS ON THE OTHER SIDE OF THE VEHICLE

- a. Review your work and repeat steps on the other side of the vehicle.



DCA SERIES USER GUIDE

** Discover the full potential of your Dirt King shocks with this detailed guide. We'll cover everything you need to know about the Dual Compression Adjusters (DCA), preload settings, and the impact of these adjustments on your vehicle's handling, ride quality, and off-road performance.

 **[VIEW GUIDE \(HTTPS://DIRTKING.COM/PAGES/DCA-SERIES-USER-GUIDE\)](https://dirtking.com/pages/dca-series-user-guide)**



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