



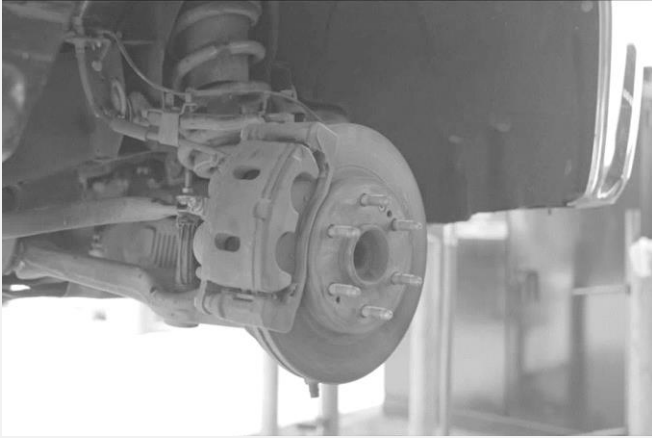
Parts Included

Quantity	Item Description	Part#
1	Driver Upper Control Arm	DK-631991-A1300
1	Passenger Upper Control Arm	DK-631991-A1400
2	Castle Nut	K6540-Nut

Please check that all items are present before installation. If for any reason, there is an item or items missing send an email to sales@dirtking.com with proof of purchase and a picture of parts received.

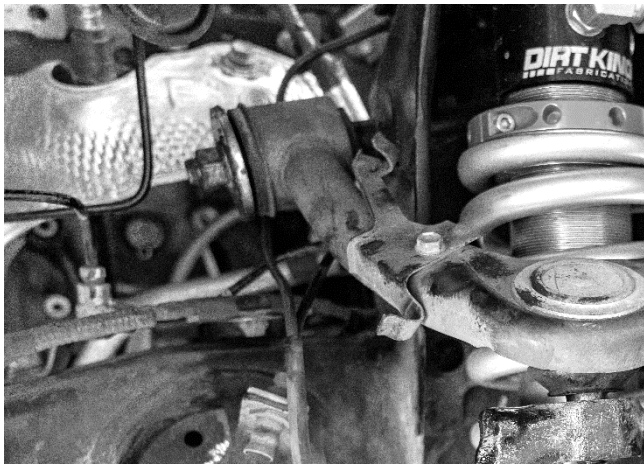


Before installing, read all instructions. Only certified mechanics should install Dirt King products. Mandatory wheel alignment and ADAS calibration at certified facilities are required after suspension modifications. Failure to do so can lead to handling problems and safety risks. Dirt King is not responsible for damages from improper installation or misuse. Adhere to your vehicle manufacturer's recommendations. For more information, visit <https://dirtking.com/pages/disclaimer>



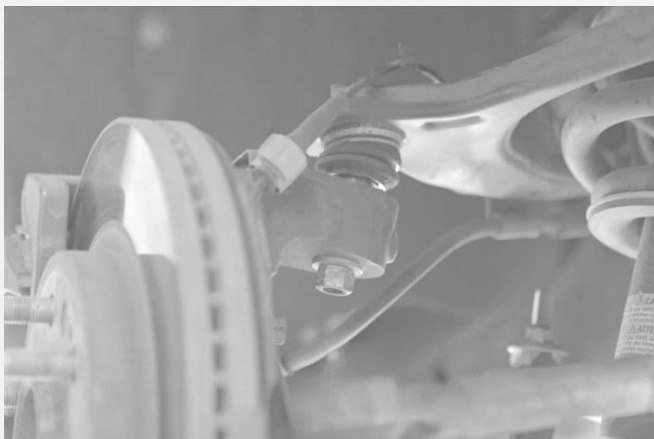
2. Raise the vehicle and prepare for installation.

- a. Safely support the vehicle.
- b. Remove the front wheels.
- c. If equipped, disconnect front suspension position sensor.



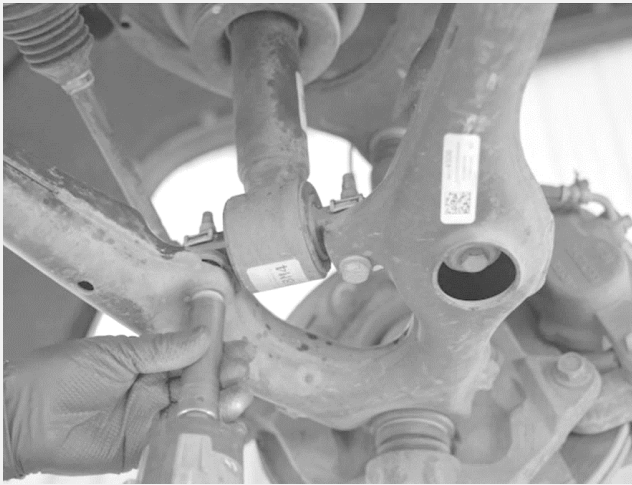
1. Remove the brake line bracket and the ABS line.

- a. Remove the bolt securing the brake line bracket to the UCA. Set the bracket aside, but do not disconnect any brake line unions.
- b. Remove the ABS line from the knuckle.
- c. Remove the speed sensor from the knuckle.



3. Disconnect the upper control arm from the knuckle

- a. Remove the ball joint nut.
- b. Separate the upper ball joint from the knuckle using a ball joint puller.



4. Remove the front shocks

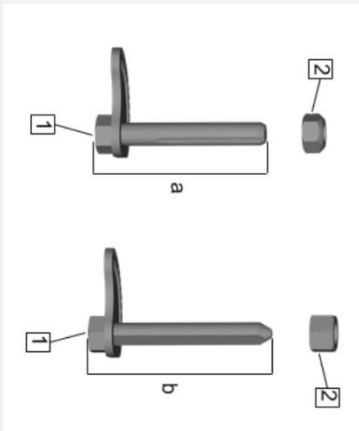
- a. Support the front suspension lower control arm with a jack.
- b. If applicable, disconnect any electrical connectors from the shock.
- c. Remove the shock's lower and upper hardware.
- d. Remove the shock.



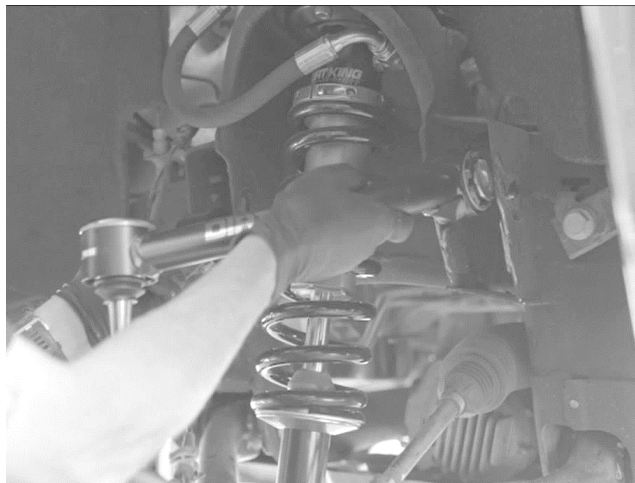
5. Remove the upper control arm and the factory droop stop

- a. Mark the cam bolt position and location with a paint pen or marker before loosening.
- b. Remove the cam bolts.
- c. Remove the upper control arm from the chassis.
- d. Using an appropriate cut-off tool, remove the factory bump stop as shown. Cutting the seam welds works best. Grind clean and paint the bare metal.

NOTE: Identify your CAM bolt hardware for proper torque specs when reinstalling.



1. The new design bolt (a) is slotted and does NOT have a removable adjustment cam and measures 103mm (4 in). Torque this hardware to factory spec: **77 ft-lbs.**
2. The old design bolt (b) has a flat on one side, has a removable adjustment cam and measured 110mm (4.3 in). torque this hardware to factory spec: **140 ft-lbs.**



6. Install the Dirt King upper control arm.

Note: Control arms are designed to be paired with aftermarket shocks.

- a. Install the Dirt King upper control arm. Install alignment cams to the marks previously made.
- b. Install the ball joint to the knuckle.
- c. Attach the brake line bracket to the control arm using the factory bracket and bolt. Torque to spec: **75 in-lbs.**
- d. Reinstall the ABS line to the knuckle. Torque the bracket bolt to spec: **15 ft-lbs.**
- e. Install the speed sensor and torque bolt to **10 ft-lbs.**



7. Torque hardware.

- a. Torque the upper control arm ball joint to manufacturer's spec: **81 ft-lbs.**
- b. **Torque alignment cams to your applications from previous chart.**
- c. Torque lower shock bolts to your shock manufacturer's specs.
- d. Torque upper shock hardware to your shock manufacturer's spec.

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

- a. Confirm everything is installed correctly. Ensure the ABS line has enough slack and that the control arm is not contacting the shock reservoir hose, if applicable.

9. Reinstall the wheels and align the vehicle.

- a. Reinstall wheels and torque the lug nuts to your wheel manufacturer's specs.
- b. Have the vehicle aligned at a qualified shop. If your vehicle is equipped with Advanced Driver Assistance Systems (ADAS), ensure they are recalibrated.