

DK-817985F INSTRUCTIONS



PARTS INCLUDED

Quantity	Item Description	Part #
2	IFP Coilover Shock	DK-817985F-A1200
1	Spanner Wrench	DK-SW001

## 1. TOOLS NEEDED

a. Gather tools needed for the job:

- Breaker bar
- Socket wrench
- 14 mm wrench
- 15 mm wrench
- 19 mm wrench
- 22 mm wrench
- 12 mm socket
- 14 mm socket
- 15 mm socket
- 19 mm socket
- 22 mm socket
- 24 mm socket
- Pliers
- Diagonal cutters
- Sledge hammer
- Torque wrench



## 2. RAISE THE VEHICLE AND PREPARE FOR INSTALLATION

- a. Safely support the vehicle by the frame and remove the wheels.





### 3. REMOVE BRAKE LINE BRACKET TO SPINDLE

- a. Remove the bracket attaching the brake line to the spindle.



#### 4. REMOVE BRAKE LINE BRACKET TO THE FRAME

- a. Remove the bracket attaching the brake line to the frame.



## 5. REMOVE ABS LINE FROM THE UPPER CONTROL ARM

a. Remove the ABS line from the upper control arm. Note: An aftermarket upper control arm is shown in the image. Removal of this line may differ slightly on other upper control arms.





## 6. DETACH SWAY BAR

a. Detach the sway bar at the lower control arm. Note: An aftermarket lower control arm is shown in the image. Removal may differ slightly on other lower control arms.



## 7. SEPARATE UPPER CONTROL ARM FROM SPINDLE

- a. Loosen the upper ball joint nut and separate the upper control arm from the spindle.





## 8. REMOVE TIE ROD END

- a. Remove the nut on the outer tie rod end and separate it from the spindle.



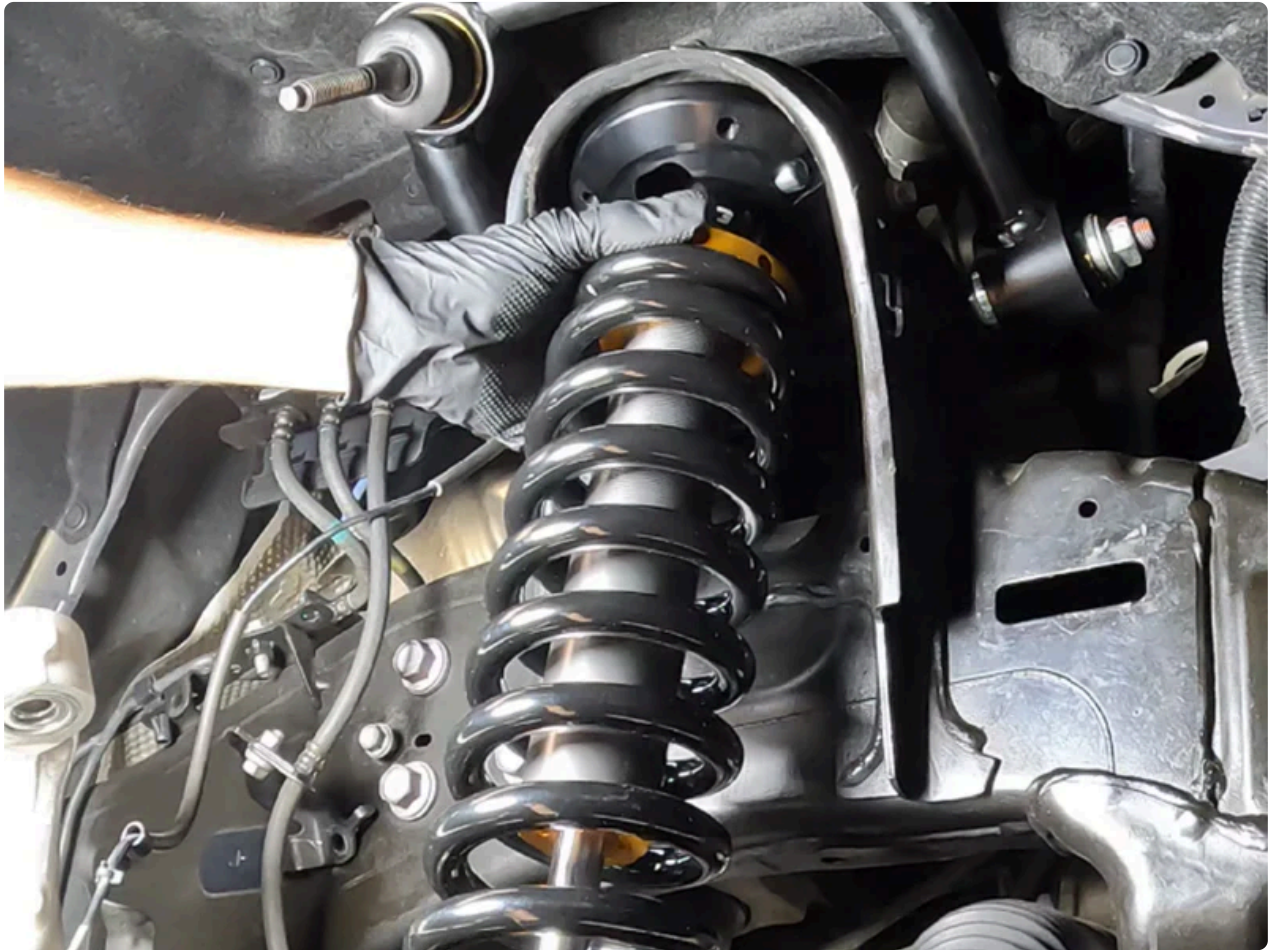
## 9. REMOVE SHOCK

- a. Remove the upper shock hardware.
- b. Remove the lower shock hardware.
- c. Remove the shock from the vehicle.



## 10. INSTALL THE DIRT KING SHOCKS

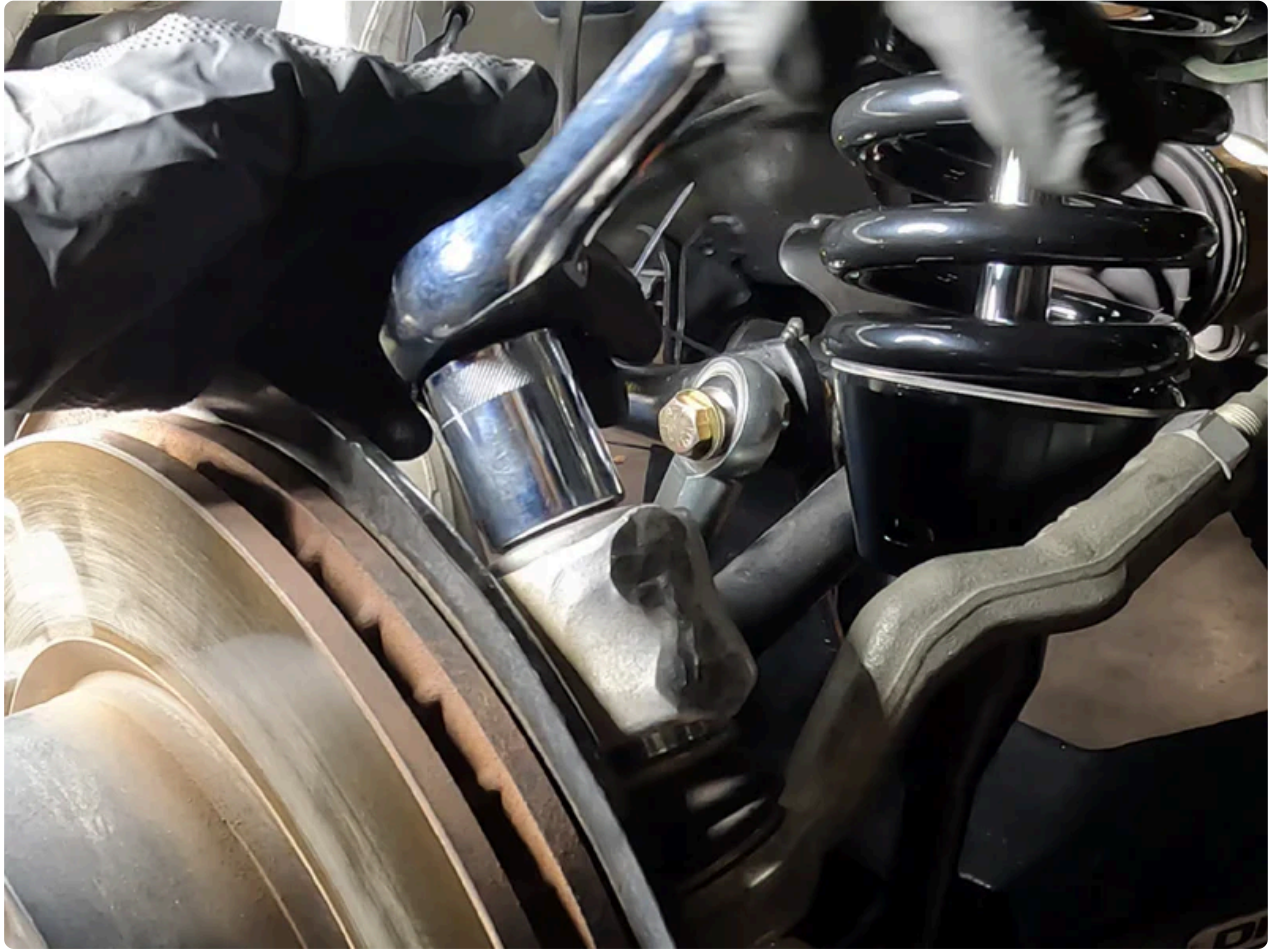
- a. Note: Aftermarket upper control arms are recommended to allow for the additional down travel that the coilovers provide.
- b. Insert the Dirt King shock into the coil bucket.
- c. Apply threadlocker to the upper shock hardware and torque bolts to 35 ft-lbs.
- d. Apply threadlocker to the lower shock hardware and torque bolt to 133 ft-lbs.





## 11. REINSTALL TIE ROD END

- a. Insert the tie rod end into the spindle and torque the nut to 89 ft-lbs. Ensure a new cotter pin is installed.



## 12. ATTACH UPPER CONTROL ARM TO SPINDLE

- a. Realign the upper ball joint with the spindle and torque the nut to your corresponding upper control arm torque specification. DK-817993 = 81 ft-lbs.





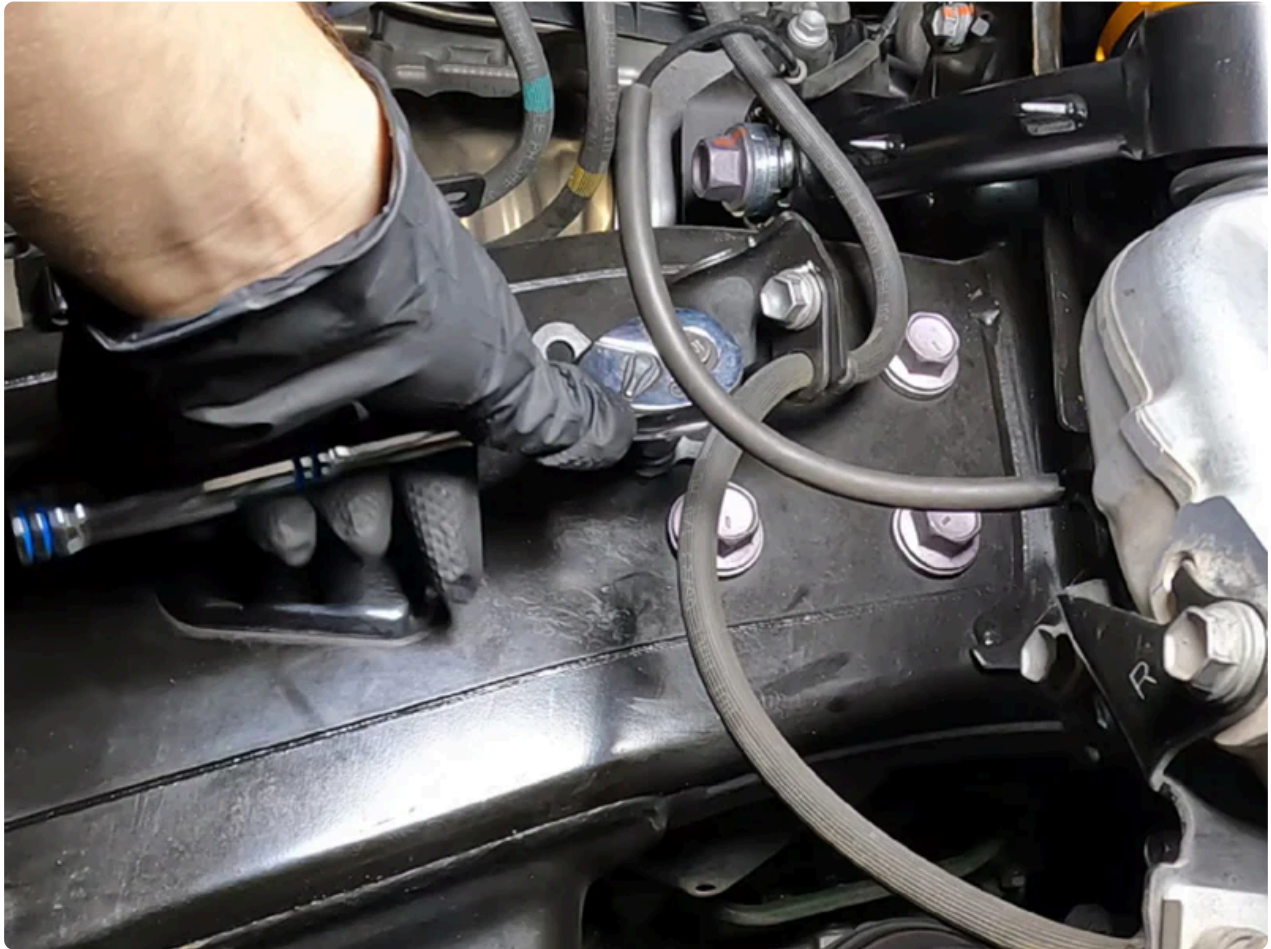
### 13. INSTALL SWAY BAR END LINK TO LOWER CONTROL ARM

- a. Install sway bar end link hardware and torque to 103 ft-lbs.
- b. Note: This bolt should be torqued when the vehicle is at ride height.



## 14. ATTACH BRAKE LINE TO FRAME

- a. Attach the brake line bracket to the frame and torque to 21 ft-lbs.



## 15. ATTACH BRAKE LINE TO SPINDLE

- a. Attach the brake line to the spindle and torque to 21 ft-lbs.





## 16. ATTACH ABS LINE TO THE UPPER CONTROL ARM

- a. Reattach the ABS line to the upper control arm. The process will vary depending on the control arm.



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

- a. Inspect all components to ensure they are properly installed, making sure that all lines are routed correctly.
- b. Reinstall the wheels and torque the lug nuts to your wheel manufacturer's specifications.
- c. Have the vehicle aligned at a certified shop. If equipped with Advanced Driver Assistance Systems (ADAS), ensure recalibration is performed.





## PRELOAD ADJUSTMENT TIPS

\*\* If you need to change the ride height of your vehicle, we'll cover everything you need to know about preload settings.

[VIEW GUIDE \(HTTPS://DIRTKING.COM/PAGES/PRELOAD-ADJUSTMENT-TIPS\)](https://dirtking.com/pages/preload-adjustment-tips)



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