

# Dynatrac EnduroSport 2in Lift Kit

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**MADE IN THE USA**

REV 2.4 010621

# Dynatrac EnduroSport 2in Lift Kit



## Bill of Material

Lift kit part number JL20-1X5310-A

Description	Quantity	Dynatrac P/N
Front Coil	2	JP44-5310-C
Rear Coil	2	JP44-5310-D
Front Shock	2	JP44-18124-A
Rear Shock	2	JP44-18125-A
Driver side Front Brake line Extension Bracket	1	JL44-0004-M
Passenger side Front Brake line Extension Bracket	1	JL44-0004-N
Front Bump Extension	2	JP44-4730-A
Rear Bump Extension	2	JP44-4730-B
Sway-bar Links	2	JP44-5K483-A
Flag nut (x2)	2	JP44-0014-F
Brake line extension bracket <b>Bolt</b> , 1/4-20 X 1in (x2)	2	JP44-0014-B
Brake line extension bracket, <b>Nut</b> , 1/4-20 (x2)	2	JP44-0014-C
Brake line extension bracket, <b>Washer</b> , 1/4 (x4)	4	JP44-0014-D
Front and Rear Bump Extension, <b>Bolt</b> , 3/8-16 (x6)	6	JP44-0014-E
Rear Bump Extension, <b>Nut</b> , 3/8-16 (x4)	4	JP44-0014-H
Front and Rear Bump Extension, <b>Washer</b> , 3/8 (x6)	6	DA60-0014-BY
Sway-bar links, Rear, <b>Bolt</b> , 1/2-20 X 2.5in (x2)	2	DA60-0014-CR
Sway-bar links, Rear, <b>Nut</b> , 1/2-20 (x2)	2	DA60-0014-AD
Sway-bar links, Rear, <b>Washer</b> , 1/2 (x4)	4	DA60-0014-AP
Sway-bar links, Front, <b>Washer spacer</b> , 1/2 (X1)	1	JP44-0014-G



## Tools required:

- 18mm Socket and Wrench.
- 15mm Socket and Wrench.
- 3/4in Socket and Wrench
- 10mm Socket
- 5/16 Allen key
- Side cutters
- Pry bar

## Preparation and Inspection Checks:

Read all instructions completely. Only perform this installation if you are an experienced, fully equipped mechanic. Inspect all boxes and packing material to expose all the parts in the kit. Using the bill of material attached, verify that the kit is complete. Contact Dynatrac about any shortages at (714) 596-4461. Do not start the installation until you are sure you have everything you need. Allow yourself plenty of time. You will need anywhere from 3 to 4 hours depending on your skill and experience level.



**WARNING:** Only perform this installation if you are an experienced, fully equipped mechanic.

## Installation:

### Front:

1. Raise the vehicle off the ground and secure with jack stands. Remove the wheels. Be sure to leave enough room for the axle to be lowered enough to get the coil springs off the vehicle.

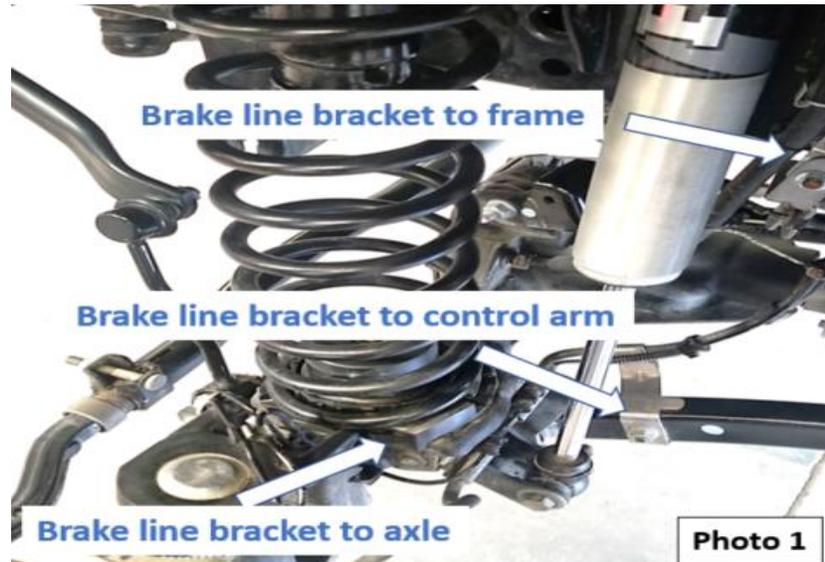


**WARNING:** Always use appropriate jack stands when raising your vehicle. Never work under a vehicle that is not properly secured. Be sure to chock any wheels that are on the ground.

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2. Remove brake line brackets from coil to axle, from lower control arm, from the frame.



3. Cut and remove the clip from the axle vent hose that holds the brake line bracket

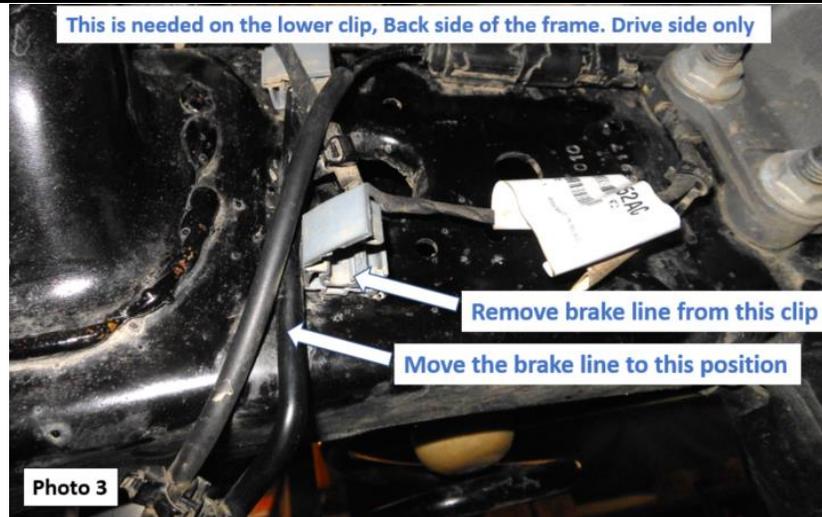


4. Unplug the front axle disconnect (FAD) connector on the passenger side of the axle. If you have a Rubicon, disconnect the locker connector.
5. Remove the driver side hard line from the clip on the frame (Photo 3). Leave the hard line next to the clip.

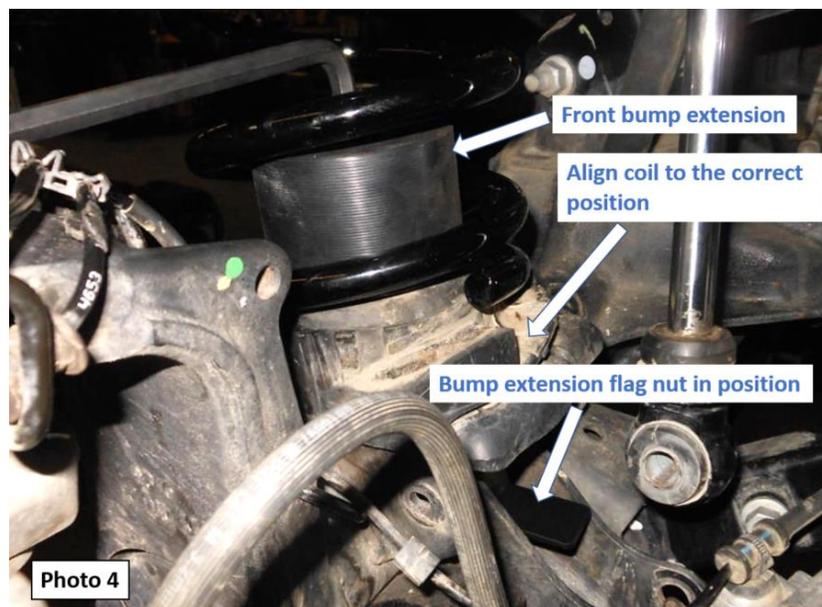


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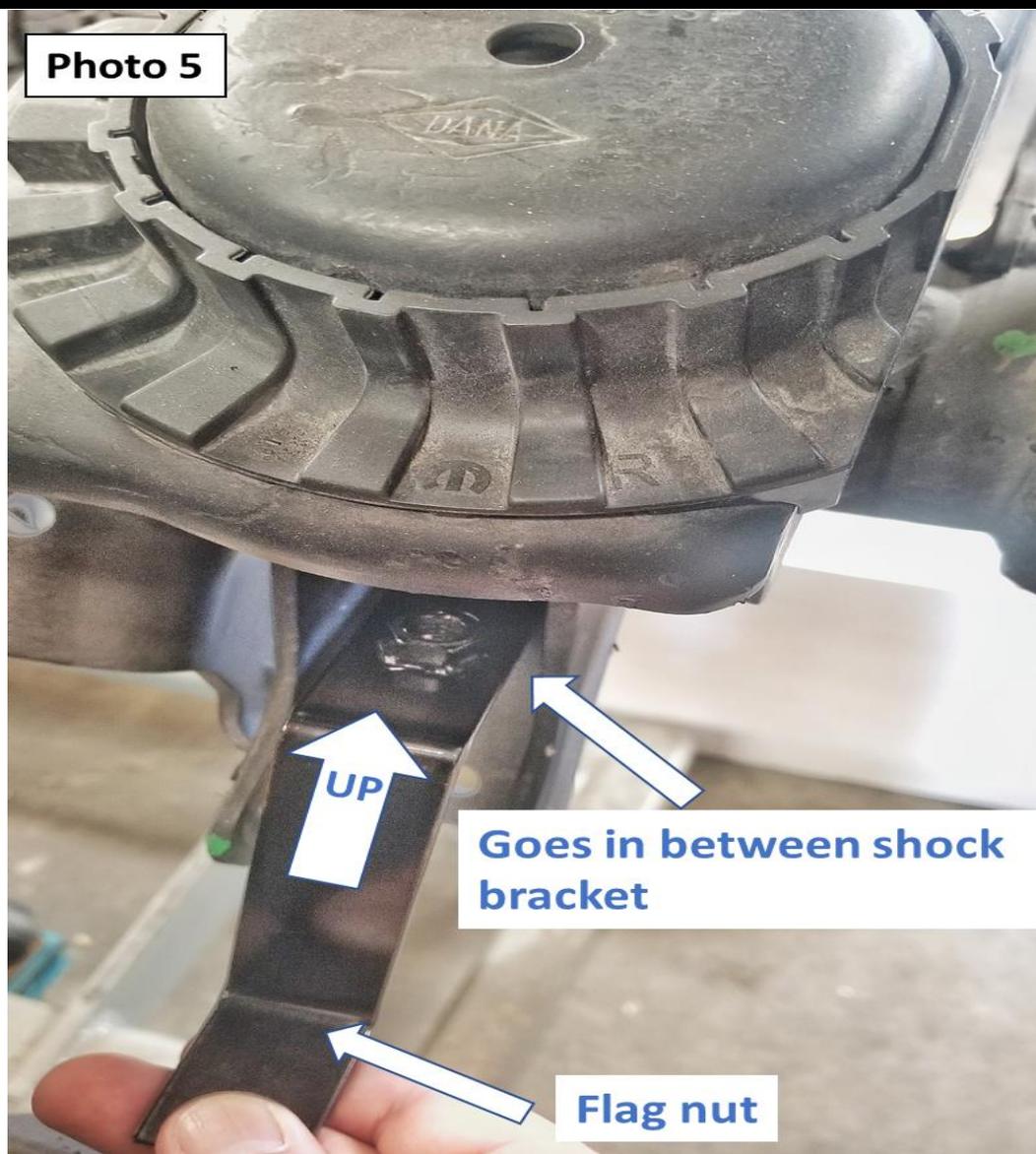


6. Remove the front sway-bar links with the 18mm socket.
7. Remove the rear sway-bar links with 18mm socket (To be mounted in the front).
8. Remove the front upper shock bolt with 18mm and then remove the bottom bolt and nut with 18mm.
9. Lower the axle enough to remove the coils
10. Install the Dynatrac EnduroSport coils and bump extensions. Make sure to have the bump extension held in the coil as you mount the coil to the axle. Note: Easier to start on the front passenger side first, it will minimize the effort needed to squeeze coil into place.
11. Tighten the bump extension by using 3/8 Allen screw and flag nut (Photo 4 and 5)



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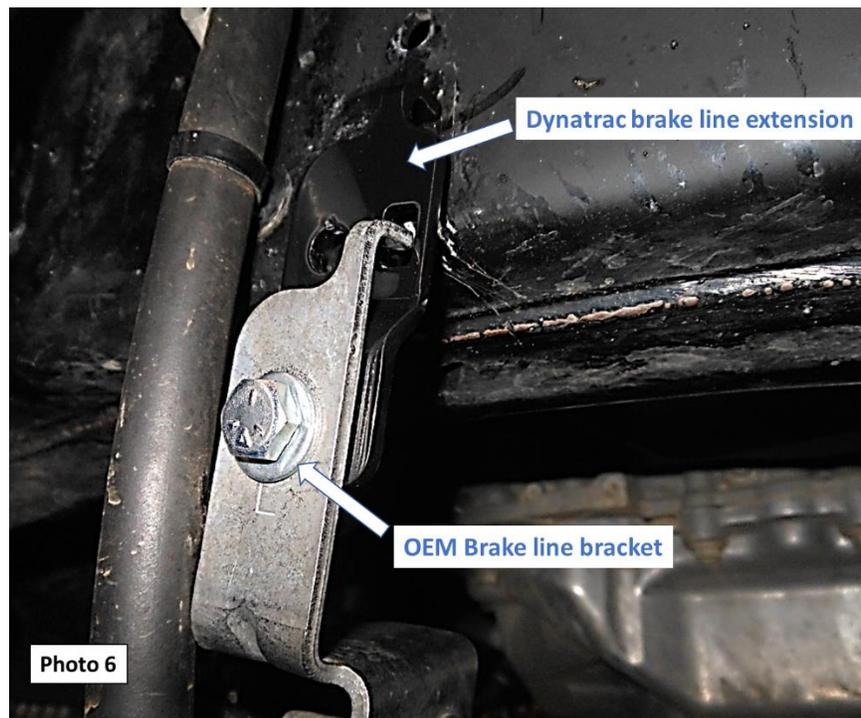
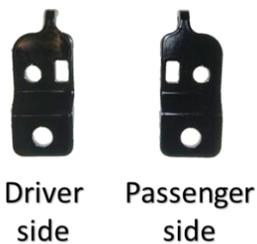
12. Install the front shock using the OEM hardware. Torque Upper bolt to 65 ft-lbs and lower bolt and nut to 65 ft-lbs. NOTE: Dynatrac does not recommend using power tools or air tools to tighten the shock hardware.

**ⓘ INFORMATION:** It is best to have the shocks fully extended and relaxed to prevent unexpected sleeve misalignment.

**ⓘ INFORMATION:** The front shock has 177 stamped on the black cap.



13. Install Dynatrac brake line extension brackets (Photo6). Note: Tighten the Dynatrac brackets to the OEM bracket using supplied 1/4in bolt and nut, then mount the complete assembly to the frame using the OEM 10mm bolt.



**ⓘ INFORMATION:** There is a Driver side and a Passenger side Dynatrac brake line extension. These extensions can only mount on the correct side.

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14. Reinstall all the remaining brake line brackets (Coil to axle and lower control arm brackets)
15. Install the front axle disconnect (FAD) connector.
16. Install the OEM rear sway-bar links to the front sway-bar assembly. Note: Easier to install the passenger front side first. Install Dynatrac spacer to the driver side front sway-bar link. Between link and axle mount. Rear (Photo7)



## Rear:

1. Remove the rear shocks using 18mm socket.
2. Lower the axle enough to remove the coils
3. Install Dynatrac bump extension
4. Install Dynatrac EnduroSport coils. Note: Larger diameter part of the coil mounts to the axle side. In addition, make sure the upper coil bushing is centered.

**ⓘ INFORMATION:** Rear coils can be difficult to hold in position while you drop the vehicle back to the ground (On its tires). Recommend using RTV on the top coil bushing to adhere to the vehicle while you handle the coils. Note, this also keeps the bushing and coil centered



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5. Install the rear shock using the OEM hardware. Torque Upper bolt to 65 ft-lbs and lower bolt and nut to 65 ft-lbs. NOTE: Dynatrac does not recommend using power tools or air tools to tighten the shock hardware.

**ⓘ INFORMATION:** It is best to have the shocks fully extended and relaxed to prevent unexpected sleeve misalignment.

**ⓘ INFORMATION:** The rear shock has 178 stamped on the black cap.

6. Install Dynatrac sway-bar links. Note: Use the OEM bolt and nut on the top (Torque to 69ft-lbs) and use Dynatrac bolt and nut in bottom (Torque to 80ft-lbs)

**⚠ WARNING:** While working with tools, always wear proper safety equipment including safety glasses and gloves. Improper use of tools and equipment can cause injury or death.

**⚠ WARNING:** Use a calibrated torque wrench on all bolts.

**⚠ WARNING:** Failure to check bolt and lug nut torque can cause serious accident, component failure, serious injury or death.

## Torque Specs:

Front	FT-LBS
Shocks upper - 18mm bolt	65
Shocks lower - 18mm bolt and nut	65
Sway-bar link upper -18mm nut	69
Sway-bar link lower - 18mm bolt and nut	59
Bump extension - 3/8 bolt and nut	45
Rear	FT-LBS
Shocks upper - 18mm bolt	65
Shocks lower - 18mm bolt and nut	65
Sway-bar link upper -18mm nut	69
Sway-bar link lower - 1/2 bolt and nut	80
Bump extension- 3/8 bolt and nut	45

