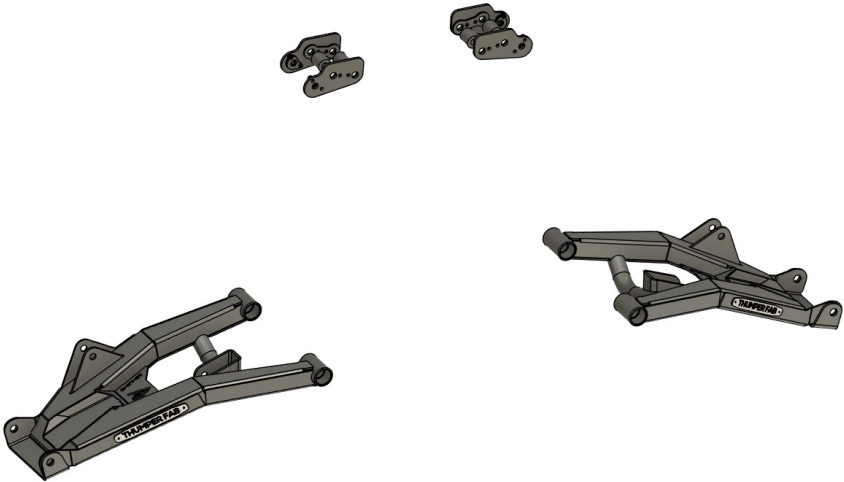


**Polaris Ranger 1500 XD**  
**Lift Kit**

SKU: TF231301



**Thumper Fab**  
5103 Elysian Fields Rd, Marshall, TX 75672  
Customer Service: 903-472-0928

# Polaris Ranger 1500 XD

## Lift Kit

SKU: TF231301

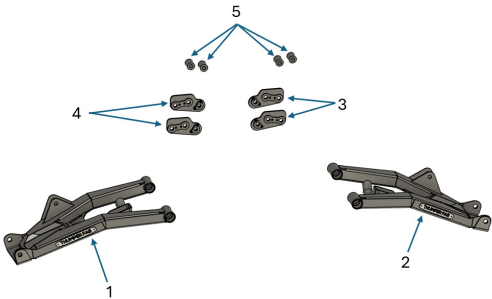
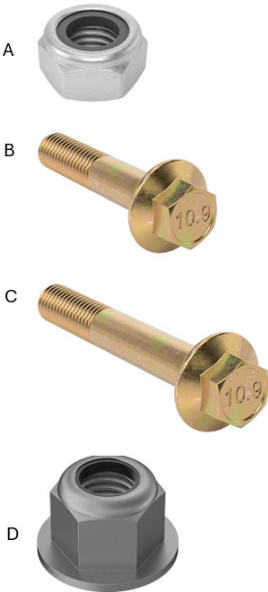


### PARTS

REF	QTY	DESCRIPTION
1	1	Rear Lower Driver - Lift Control Arm
2	1	Rear Lower Passenger - Lift Control Arm
3	2	Front Lift Bracket - A
4	2	Front Lift Bracket - B
5	4	Shock Spacers
HARDWARE KIT		
A	2	M12 - Thin Nylon Lock Nut
B	2	M12 x 60mm Flange Head Bolt
C	6	M12 x 80mm Flange Head Bolt
D	6	M12 Flange Nylon Lock Nut

### TOOLS

- 16mm Socket
- 18mm Socket and Wrench
- 21mm Socket and Wrench
- Flathead Screwdriver
- Hammer
- Punch



Torque Specs:

SIZE (STANDARD)	GRADE 5	GRADE 8	SIZE (METRIC)	CLASS 8.8	CLASS 10.9
5/16"	15 ft/lbs	20 ft/lbs	6MM	5 ft/lbs	9 ft/lbs
3/8"	30 ft/lbs	35 ft/lbs	8MM	18 ft/lbs	23 ft/lbs
7/16"	45 ft/lbs	60 ft/lbs	10MM	32 ft/lbs	45 ft/lbs
1/2"	65 ft/lbs	90 ft/lbs	12MM	55 ft/lbs	75 ft/lbs
9/16"	95 ft/lbs	130 ft/lbs	14MM	85 ft/lbs	120 ft/lbs
5/8"	135 ft/lbs	175 ft/lbs	16MM	130 ft/lbs	165 ft/lbs
3/4"	185 ft/lbs	280 ft/lbs	18MM	170 ft/lbs	240 ft/lbs

### BEFORE YOU BEGIN

If you do not feel comfortable installing your Thumper Fab Lift Kit, please see your nearest Polaris® Dealer for installation.

# INSTALLATION INSTRUCTIONS

## Installation

Begin by lifting the vehicle in the air and securing on jack stands before removing front shocks. Next mount the front lift brackets to the front of the frame using M12x80mm flange head bolts with spacers in between the OEM frame tabs (**FIG 1**).



**FIG 1 - Mount Front Lift Bracket and Spacers**

Mount remaining front lift brackets on the backside of the OEM shock mounts and thread M12 flange nylon lock nuts onto M12 flange head bolts. Do not fully tighten yet (**FIG 2**).



**FIG 2 - Mount remaining Front Lift Brackets**

# INSTALLATION INSTRUCTIONS

## Installation

Mount the shock to the front lift brackets using the M12x80mm flange head bolts and M12 flange nylon lock nuts. Fasten the shock to the upper control arm using OEM hardware. Tighten lift hardware using a 16mm socket and an 18mm wrench (**FIG 3 & FIG 4**).



**FIG 3 & FIG 4 - Mount Front Shock to Front Lift Brackets**

Remove the rear lower control arms and rear shocks, save the OEM hardware for installation. Once uninstalled, remove the pivot caps, pivot sleeves, and bushings from the OEM lower control arms using a flat head screwdriver, hammer, and punch. Once removed, install into Thumper Fab lower control arms (**FIG 5 & FIG 6**).

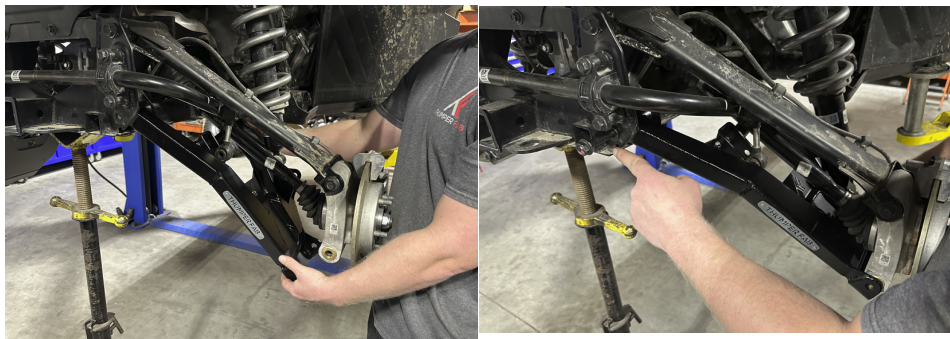


**FIG 5 & FIG 6 - Remove and install OEM Bushings into Thumper Fab Control Arms**

# INSTALLATION INSTRUCTIONS

## Installation

Install the Thumper Fab control arms to the vehicle and rear knuckle using the OEM mounting hardware. Tighten using an 18mm socket and 18mm wrench for the frame mounts and a 21mm socket and wrench for the knuckle mounting hardware (**FIG 7 & FIG 8**).



**FIG 7 & FIG 8 - Mount Control Arm to Rear Frame and Knuckle**

Mount the rear shock to the frame in the outer shock mounting hole (furthest from center of vehicle) using the OEM hardware. Tighten using an 18mm socket and wrench (**FIG 9**).



**FIG 9 - Mount Rear Shock to the Frame**



# INSTALLATION INSTRUCTIONS

## Installation

Fasten the rear shock to the lower control arm using the OEM hardware. Tighten using an 18mm socket and an 18mm wrench (**FIG 10**).



**FIG 10 - Mount Rear Shock to Lower Control Arm**

Mount the sway bar to the lower control arm using 2 x M12x60mm flange head bolts and 2 x M12 nylon lock nuts. Tighten using a 16mm socket and an 18mm wrench (**FIG 11**).



**FIG 11 - Mount Sway Bar to Lower Control Arms**

## INSTALLATION INSTRUCTIONS

### Installation

It is important after lift installation to heat cycle the CV axles of the vehicle to allow for proper break in of axle cups to prevent axle boots from overheating due to the new increased axle angle. Perform short drives followed by adequate cool down periods to heat cycle the axles before taking long range drives. Enjoy your new Thumper Fab Lift Kit!

# INSTALLATION INSTRUCTIONS

## PRODUCT DISCLAIMER

The installation of products sold or manufactured by Thumper Fabrication, LLC (Thumper Fab) including, but not limited to suspension components such as lift kits, audio roofs, roll cages, frame stiffener kits, and tires that exceed the original specifications for the vehicle, may change the vehicle's center of gravity and handling characteristics both on- and off-road. You are aware that the installation of tires that are larger than original vehicle specifications may reduce the effectiveness of the braking system. Use of these products may place added stress to the original factory vehicle components which could cause them to weaken or possibly fail.

Products sold or manufactured by Thumper Fab are intended for off-road use only. Operation of a vehicle modified with these products on a road could result in serious bodily injury or death, and such operation may violate the laws of your state or municipality. You agree to operate your vehicle exclusively in the manner intended by the vehicle manufacturer. You agree that failure to safely and reasonably operate your vehicle could result in serious bodily injury or death, and that, as a result of installation of this product(s) to your vehicle, extreme care must be taken to prevent vehicle rollover or loss of control, which may be more likely to occur as a result of said modifications. You will avoid unsafe maneuvers, including sudden sharp turns or other abrupt maneuvers, which could make a vehicular accident more likely. You understand that Thumper Fab is not responsible or liable for any damages or any injuries to yourself or your passengers that could occur upon possible accidents due to driver error, incorrect installations, bad judgment, incompatibility with other aftermarket accessories or natural disasters to the fullest extent allowable by law. You will have all vehicle occupants fasten seatbelts, if equipped, and wear proper safety equipment, such as DOT approved helmet and eye protection prior to operating the vehicle. You understand and acknowledge that failure to wear proper safety equipment may increase the risk of serious bodily injury or death to yourself and any passengers.

Proper installation of products sold or manufactured by Thumper Fab requires knowledge of the factory recommended procedures for removal and installation of original equipment components. Installation of these products without proper knowledge and experience may affect the performance of these components and the safety of the vehicle and cause serious bodily injury or death. It is strongly recommended that a certified mechanic familiar with the installation of similar components perform the product(s) installation.

Prior to installing any products sold or manufactured by Thumper Fab, you will perform or cause to be performed an inspection of their vehicle to confirm its condition is suitable for the installation of these products. A proper inspection of the vehicle includes confirmation that the vehicle has not been in a collision and is free of corrosion. If the vehicle is suspected to have been in a collision or misused, or is otherwise unsuitable for modification, you will not install the product(s). You will continue to inspect the vehicle prior to each use to confirm its condition is suitable for its intended use, and you acknowledge that the failure to do so may result in serious bodily injury or death, as well as damage to the vehicle itself.

You will install any warning labels provided with the product so it may be prominently seen by yourself and all passengers. You will notify all passengers of the modifications performed to your vehicle prior to operation.

Insurance companies may handle coverage of a modified vehicle differently. Please check with your insurance carrier prior to modifying the vehicle to ensure your coverage remains sufficient. Installation of this product(s) may void your vehicle warranty. If this is a concern, please check with the manufacturer or dealer before purchase or installation of this product(s).





**Thumper Fab**

5103 Elysian Fields Rd, Marshall, TX 75672

Customer Service: 903-472-0928

[www.thumperfab.com](http://www.thumperfab.com)