



**05 - 12 Polaris Ranger XP /
Crew 1" Front Suspension Lift
Forward A-Arm Kit
Installation Instructions**
(See Important Notes Below For Application Listings)

- Safety Glasses
- Floor Jack
- Jack Stands
- Metric / Standard Wrenches & Sockets
- Strut Spring Compressor
- Measuring Tape
- Torque Wrench



Before beginning the installation, thoroughly & completely read these instructions & the enclosed driver's WARNING NOTICE. Affix the WARNING decal in the passenger compartment in clear view of all occupants. Please refer to the Parts List to insure that all parts & hardware are received prior to the disassembly of the vehicle.

Important Notes:

- This lift is designed to fit midsize Polaris Ranger applications equipped with McPherson struts thru 2012. (See below for listed applications.)
 - 2005 - 2008 Polaris Ranger 500 XP
 - 2006 - 2009 Polaris Ranger 700 XP / Crew
 - 2010 - 2012 Polaris Ranger EV, 400, 500 XP / Crew
- McPherson struts are preloaded & are under extreme pressure. A strut spring compressor is required for their removal & installation.
- Pay close attention to the inner plunge socket depth of the cv-shafts & do not disengage during the disassembly & assembly of this product.

Component Box Breakdown:

Part #: FAA281

Item #	Description	Qty	Item #	Description	Qty
PR5FCA-L	POL RGR LEFT LWR ARM	1	HB-PR5SS	HDW BG: PR5 STRUT SPACERS	1
PR5FCA-R	POL RGR RIGHT LWR ARM	1	I-FAA281	INSTRUCTION SHEET: FAA281	1
HB-PR5A	HDW BG: PR5 LWR ARMS	1			

Hardware Bag Breakdown:

Part # HB-PR5A

Item #	Description	Qty
PA810	POL RGR LWR ARM BUSHING	8

Part # HB-PR5SS

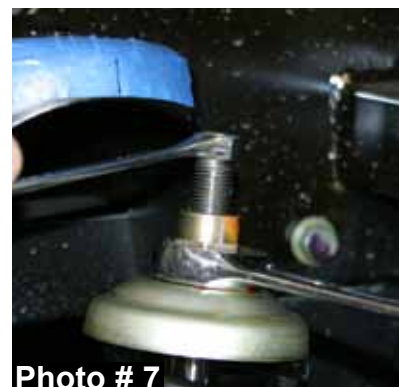
Item #	Description	Qty	Item #	Description	Qty
PR5FCS-S	POL RGR FRT COIL SPACER	2	PR5FSS-S	POL RGR FRT STR BODY SPCR	2

Installation:

1. With the vehicle on flat level ground, set the emergency brake, & block the rear tires / wheels.
2. Raise the front of the vehicle & support the vehicle with jack stands.
Note: Pay close attention to the inner plunge socket depth of the cv-shafts & do not disengage.
3. Remove the front tires / wheels using a 19mm socket.
4. Remove the OEM boot guards from the OEM lower A-arms using a T25 torx screwdriver. (See Photo # 1)
5. Disconnect the OEM front lower A-arms from the OEM steering knuckles using a 15mm wrench. (See Photo # 2)
6. Remove the OEM front lower A-arms from the frame using two 15mm wrenches. (See Photo # 3)



7. Remove the OEM bushings & sleeves from the OEM lower A-arms. (See Photo # 4)
8. Apply a thin layer of grease to the new Skyjacker bushings & OEM sleeves & install them into the new Skyjacker lower A-arms.
9. Install the new Skyjacker lower A-arms to the frame using the OEM hardware & two 15mm wrenches. (See Photo # 5)
10. Attach the new Skyjacker lower A-arms to the OEM steering knuckles using the OEM hardware & a 15mm wrench.
11. Compress the OEM front strut coil springs using a strut spring compressor. Remove the OEM upper strut mount retaining hardware using a 3/8" wrench & 19mm wrench. Remove the OEM strut assemblies from the upper frame mounts. (See Photo # 6)
12. Remove the OEM upper strut retaining hardware using a 3/8" wrench & 19mm wrench. Remove the OEM strut coil springs from the OEM strut assemblies. (See Photo # 7)
13. Remove the OEM brake line retaining clamps from the OEM strut assembly housings & loosen the pinch bolts on the OEM strut assembly housings using a 13mm wrench. (See Photo # 8)
14. Remove the OEM struts from the OEM strut assembly housings.
15. Install a new Skyjacker lower strut body spacer into the bottom of each OEM strut assembly housing. (See Photo # 9)



16. Install a new Skyjacker strut coil spring spacer on the top of each OEM strut assembly housing. (See Photo # 10)
17. Install an OEM strut coil spring washer on the top of each new Skyjacker strut coil spring spacer.
18. Install the OEM struts into the OEM strut assembly housings to where they are seated firmly against the previously installed Skyjacker lower strut body spacers & tighten the pinch bolts on the OEM strut assembly housings using a 13mm wrench. (See Photo # 11)
19. Install the previously compressed OEM strut coil springs onto the OEM struts & install the OEM upper strut retaining hardware using a 3/8" wrench & 19mm wrench. (See Photo # 12)
20. Install the OEM struts assemblies into the upper frame mounts & install the OEM upper strut mount retaining hardware using a 3/8" wrench & 19mm wrench. (See Photo # 13)
21. Install the OEM brake line retaining clamps to the OEM strut assembly housings using a 13mm wrench. (See Photo # 14)
22. Install the front tires / wheels using a 19mm socket & lower the front of the vehicle to the ground.

Final Notes:

- After the installation is complete, double check that all nuts & bolts are tight. Refer to the following chart for the proper torque specifications. (Do not retighten any nuts & bolts where thread lock compound was used.)
- With the vehicle placed on the ground, cycle the steering lock to lock & inspect the steering, suspension, brake lines, front & rear drivelines, fuel lines, & wiring harnesses for proper operation, tightness, & adequate clearance.
- Have a qualified alignment center align the vehicle to the OEM specifications.
- After the first 100 miles, check all hardware for the proper torque & periodically thereafter.



Photo # 10



Photo # 11

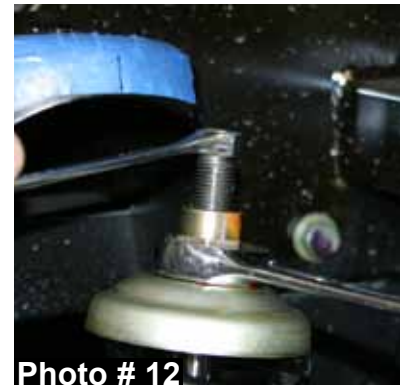


Photo # 12



Photo # 13



Photo # 14

TORQUE SPECIFICATIONS

<u>INCH SYSTEM</u>			<u>METRIC SYSTEM</u>		
Bolt Size	Grade 5	Grade 8	Bolt Size	Class 8.8	Class 10.9
5/16	15 FT LB	20 FT LB	6MM	5 FT LB	9 FT LB
3/8	30 FT LB	35 FT LB	8MM	18 FT LB	23 FT LB
7/16	45 FT LB	60 FT LB	10MM	32 FT LB	45 FT LB
1/2	65 FT LB	90 FT LB	12MM	55 FT LB	75 FT LB
9/16	95 FT LB	130 FT LB	14MM	85 FT LB	120 FT LB
5/8	135 FT LB	175 FT LB	16MM	130 FT LB	165 FT LB
3/4	185 FT LB	280 FT LB	18MM	170 FT LB	240 FT LB

- The above specifications are not to be used when the bolt is being installed with a bushing.

Seat Belts Save Lives, Please Wear Your Seat Belt.