

FEEL THE HEAT!

Revision No: 00
 Revision Date: 11-29-2018

A-Arm Kit - Hi Clearance - Ranger
 Part # **16-1804** Ranger 1000 Models (2018 +) - New Body Style

Congratulations on your purchase of the DragonFire Hi Clearance A-Arms for Polaris Ranger! Designed as a replacement front a-arms that will provide high clearance and add +2" forward to the wheelbase. Hand welded and constructed out of heavy duty steel tubing, these arms are built off-road tough! Be sure to check out the full line of DragonFire Accessories for your Polaris vehicle at your local authorized dealer or online at <http://www.DragonFireRacing.com>

- **A-Arms are +2" forward**
- **Work in conjunction with the DragonFire Lift Kit (sold separately) - allowing for the use of 30" tall tires**



- Read and understand these instructions before installing product
- Check all hardware before use. Do not use product if there are any signs of damage
- Improper installation can result in product failure
- **Lifting the height of a vehicle will change vehicle dynamics and may increase chances of a roll over**
- Avoid direct contact to A-Arms with objects while riding
- This product does not increase wheel travel or track width
- A-Arms are recommended to be used with the DragonFire Lift Kit

Disclaimer

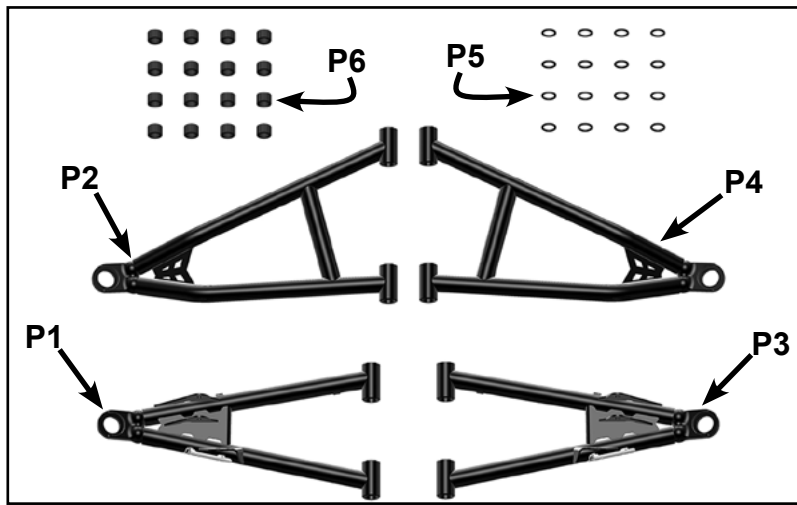
Off road activities can be hazardous and could lead to injury, dismemberment, paralysis and death. No warranty of representation is made as to the products ability to protect the user from any injury or death. The user assumes that risk. The acceptance and /or use of this merchandise purchased from DragonFire by the customer hereby shall release DragonFire from any and all liability pertaining to the use of such merchandise.

Pre-installation: Lay out components and compare to list and images. Images may not portray the full detail or exact shape of the parts; however, they represent parts that have same or similar function.

Refer to DragonFire Racing Website for ensure that you have the latest revision of instructions & templates.

Part & Hardware List					
ITEM	QTY	SIZE	LENGTH	TYPE	STEP USED
P1	1	-	-	Passenger Upper A-Arms	10
P2	1	-	-	Passenger Lower A-Arms	10
P3	1	-	-	Driver Upper A-Arms	10
P4	1	-	-	Driver Lower A-Arms	10
P5	2	-	-	O-Ring	10
P6	12	-	-	Bushing	10

Tools Required
(2) 15mm Wrenches
15mm Socket
19mm Socket
27mm Socket
3/8" Wrench
3/8" Ratchet
1/4" Drill Bit & Drill



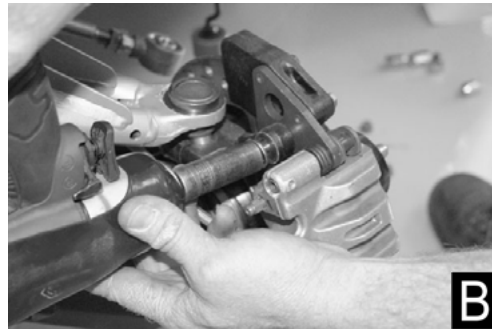
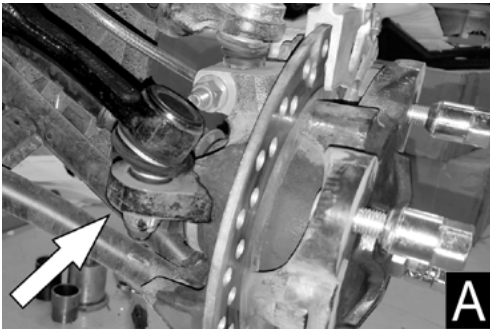
Step 1: Place vehicle on a flat and level surface. Place gear selector in “Park” and remove keys from the ignition.

Step 2: Lift vehicle off the ground using a floor jack and secure using jack stands. Remove front tires and wheels from both sides of vehicle.

Step 3: Starting with the front DRIVER side, remove tie rod end retaining bolt from outer hub. Set hardware aside, it will be used to reinstall tie rod end. (See Figure A)

Step 4: Remove the two bolts retaining the brake caliper to outer hub. Slide off brake caliper and let dangle out of the way. Set hardware aside, it will be used to reinstall brake caliper. (See Figure B)

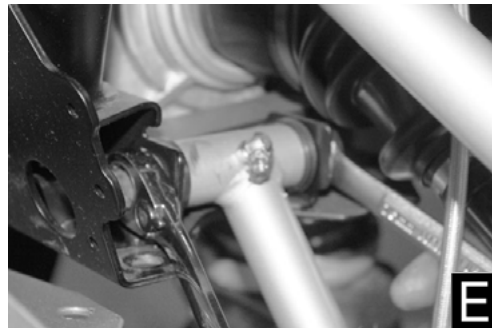
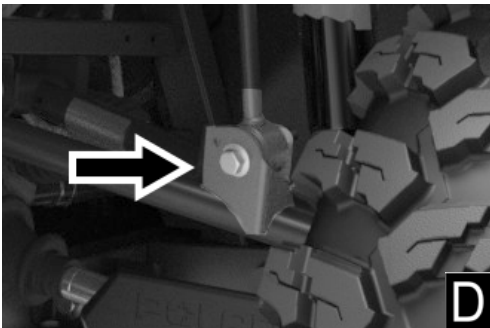
Step 5: Remove top and bottom ball joint pinch bolts from hubs and separate ball joints from hub. With the upper and lower a-arms separated from the hub, give a good tug outwards on the axle shaft to dislodge the inner CV joint from the differential. This will allow for additional room during installation of a-arms. Set hardware aside, it will be used to reinstall hub. (See Figure C)



Step 6: Locate and uninstall sway bar from a-arm. Retain hardware for to be reinstalled later. (See Figure D)

Step 7: Remove factory hardware retaining lower A-Arm and set hardware aside, it will be used to install DragonFire Front Lower A-Arm. (See Figure E)

Step 8: Repeat Step 7 for upper A-Arm and then remove the lower shock hardware attaching the shock to the a-arm. Once removed, set hardware aside it will be used to install DragonFire Front Upper A-Arm. (See Figure F)



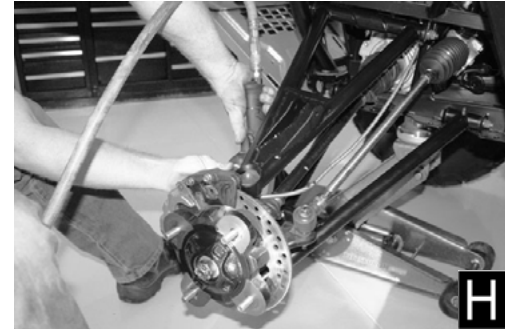
Step 9: The DragonFire A-Arms have welded-on retainers to route the brake lines. (See Figure G). Leverage enough space on the plastic retainer clip on the factory A-Arms to remove the brake line or using a drill with a 1/4" bit, drill out rivets retaining factory brake lines on plastic retainers and remove from factory A-Arms.



Step 10: Assemble factory ball joints, factory pivot shaft, factory pivot cap with supplied o-rings [P5], and supplied bushings [P6] to the DragonFire A-Arms [P1, P2, P3, & P4]. Once all components have been assembled, install new a-arms using factory hardware in reverse order of steps above (i.e. install top arm then lower arm). Make sure to torque a-arms hardware to factory specs and add **OEM specified grease** to pivots.

Note: Before tightening hardware, verify routing of the brake line is correct.

Step 11: Insert inner CV and press in until retaining clip snaps into place. Gently pull to verify inner CV is fully seated and does not slide out of differential. Install factory hub, brake caliper and tie rod according to factory torque specs. (See Figure H)



Step 12: Use welded-on retainers on the DragonFire A-Arms to route the brake lines.

Step 13: Repeat steps 3-12 for passenger side a-arm assembly. Make sure to double check that all hardware from related components is tightened according to the factory specifications.

Step 14: Adjust alignment. Refer to owner's manual for alignment specifications.

Step 15: This completes installation. Time to ride and enjoy!

ProTip:

- Refer to owner's manual for alignment specifications and other related guides.
- Be sure to adjust alignment once lift kit is installed.
- Periodically check all hardware and re-tighten if needed.

For further assistance please contact us at customerservice@dragonfireracing.com or 1-800-708-9803.