

73-15911

(PGLC-4DI-RUK-P001)

**BIG ROTOR UPGRADE KIT - 4DI PORTALS - RNG 1000, GENERAL,
GENERAL XP (2 SEATER)**

73-15912

(PGLC-4DI-RUK-P002)

BIG ROTOR UPGRADE KIT - 4DI PORTALS - RZR 1000 XP, RNG 900 (CREW)

73-15913

(PGLC-4DI-RUK-P003)

**BIG ROTOR UPGRADE KIT - 4DI PORTALS - RZR TURBO, RZR TURBO S
(2 SEATER), RZR PRO XP**

73-15914

(PGLC-4DI-RUK-P004)

**BIG ROTOR UPGRADE KIT - 4DI PORTALS - GENERAL XP
(4 SEATER)**

73-15915

(PGLC-4DI-RUK-P005)

BIG ROTOR UPGRADE KIT - 4DI PORTALS - RNG 900 (STD CAB)

73-15916

(PGLC-4DI-RUK-C001)

**BIG ROTOR UPGRADE KIT - 4DI PORTALS - DEFENDER XMR,
MAVERICK X3**



Parts Available For These Popular Brands and Others

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PRODUCT DISCLAIMER

IMPORTANT PRODUCT USE AND SAFETY INFORMATION / WARNINGS

This product is designed for use on ATVs and/or RUVs to lower the final drive gear ratio and increase ground clearance. Purchasers should be aware that use of this product may increase the frequency of required maintenance, part wear, and will raise the center of gravity on your ATV and/or RUV, increasing risk of roll-over, injury and death on all types of terrain. It is your responsibility to always inform other operators and passengers of this vehicle about the added risks with this product.

High Lifter's products are designed to best fit user's ATV/RUV under stock conditions. Adding, modifying, or fabricating any OEM or aftermarket parts will void warranty. High Lifter Products, products could interfere with other aftermarket accessories. If the user has aftermarket products on machine, contact High Lifter Products to verify that they will work together. Adding aftermarket suspension components and/or more aggressive tires can cause breakage of other OEM driveline components such as differentials, axles or drive shafts.

Riders should be advised that the handling characteristics of a taller ATV and/or RUV are different and require extra care when riding, particularly on the side of hills or off-camber situations. If you further raise the center of gravity by adding taller tires, heavy loads to racks or seats, or by any other means, the ATV and/or RUV must be operated with even more care, at slower speeds and on relatively flat ground. All turns should be done at a slow speed, even on level ground.

Operation of an ATV and/or RUV with or without modified suspension components, while or shortly after consuming alcohol or drugs, subjects the rider and passengers to the risk of serious bodily harm or possible death. This risk is compounded if the riders do not wear an approved helmets and other safety gear. High Lifter urges that all approved safety gear be worn when riding an ATV and/or RUV as a driver or passenger.

By purchasing and installing High Lifter Products, products, user agrees that should damages occur, High Lifter Products will not be held responsible for loss of time, use, labor fees, replacement parts, or freight charges. High Lifter Products will not be held responsible for any direct, indirect, incidental, special, or consequential damages that result from any product purchased from High Lifter Products. The total liability of seller to user for all damages, losses, and causes of action, shall not exceed the total purchase price paid for the product that gives rise to the claim.

Dealers and other Installers

You are responsible for informing your customer and end user of the information contained above and the increased potential hazards of operating an ATV and/or RUV equipped with modified suspension components. If you install any suspension modifying components, it is your responsibility to also install the warning label prominently in view of the driver and in prominent view of the driver and passenger on RUVs and multi-passenger ATVs. They should also be instructed to notify anyone operating the vehicle, as well as any passengers, that said vehicle is modified.

As discussed above, it is critically important that they be instructed in the need for slower speed operation, regardless of terrain, after this lift kit is installed.

PRODUCT DISCLAIMER

THE PRODUCT IS/WILL:

- Designed and intended for use on a UTV at slow speeds.
- Increase the center of gravity.
- Increase the turning radius.
- Increase the stopping distance when adding larger tires.
- Increase and accelerate wear of factory components including bushings, bearings, ball joints, and tie rod ends.
- We cannot guarantee fitment with other aftermarket accessories.

Safety Guidelines:

- Inspect all moving factory suspension components particularly ball joints, tie rod ends, control arm connections, and brakes prior to each ride and replace if worn.
- Inspect clearances with control arms and brake lines prior to each ride.
- Wheel spacers should not be used with a Portal Gear Kit.
- 14" or larger wheels must be used with the Portal Gear Kit. 12" wheels cannot be used.
- Jumping, high speeds, and quick maneuvering should be avoided.

Maintenance Information:

- Check gear oil in portal boxes following 25 hours of riding or sooner, depending on how you ride.
- Use 4 oz of SAE 80W-90 Gear Lubricant as needed in each portal box.
- Replace worn factory components including bushings, bearings, ball joints, brakes, and tie rod ends when they show wear.

Any vehicle equipped with a Portal Gear Kit must have the enclosed large format "Warning to Driver" decal installed on the inside of the windshield or on the vehicle's dash, within driver's view. The "Warning to Driver" decal is to act as a constant safety reminder for whoever may be operating the vehicle.

INSTALLING dealer:

It is your responsibility to install the "Warning to Driver" decal and forward these installation instructions to the vehicle owner for review of warnings, product use, and maintenance information. Replacement Warning Decals are available FREE on request. These instructions are to be kept with the vehicle registration papers and owner's manual for the service life of the vehicle.

REFUSED Shipments/Order CANCELLATION:

Refused shipments are subject to a 20% restocking fee plus all associated freight costs. It is our goal to ship all orders in a timely manner. If a customer wishes to cancel an order (provided it is not a special order product), it is the responsibility of the customer to cancel the order prior to the product being shipped. If a customer cancels an order after product has been shipped, refused shipment, cancellation, or return will be subject to a 20% restocking fee and any freight charges incurred. For orders outside the United States, any fees associated with customs or duties are non-refundable.

DAMAGED Shipments:

All claims for damaged shipments must be made within 72 hours of delivery to the point of destination. Any damage to package should be noted with carrier at the time of delivery if possible. We will not be responsible for damage claims made over 72 hours after delivery to the point of destination.

PORTAL INTRODUCTION

READ THESE INSTRUCTIONS CAREFULLY. IT IS RECOMMENDED THAT A PROFESSIONAL MECHANIC PERFORM THE INSTALLATION. CARE SHOULD BE TAKEN TO FOLLOW ALL STANDARD SAFETY PROCEDURES.

- **PRIOR** to installation, a thorough inspection of the suspension should be made. Inspect the vehicles steering, driveline, and brake systems, paying close attention to the suspension link arms and bushings, anti-sway bars and bushings, tie rod ends, ball joints and wheel bearings.

- Also check the steering sector-to-frame and all suspension-to-frame attaching points for stress cracks. The overall vehicle must be in excellent working condition. Any worn, bent or broken parts should be repaired and/or replaced.

NOTE: DO NOT add or fabricate any components to gain additional suspension height.

NOTE: AFTER installation, another inspection should take place, checking for loose components or missing hardware. Inspect, again after eight (8) hours of operation. Remember to check your lug nuts again.

NOTE: A factory service manual should be on hand for reference. The manual will contain fastener torque specs, assembly techniques, and special tool requirements that are unique to this particular year and model vehicle.

REQUIREMENTS



TOOLS

- Jack & Stand
- Metric & standard socket assortments
- Metric & standard hex key/sockets
- Torque wrench
- Multi-purpose pliers
- Wire cutter/snips
- Mallet (Soft face hammer)
- Drift punch/pin
- Vice or Press



TIRE REQUIREMENTS

- Up to 30" Stock
- 31" with 3" Lift Kit
- 32" to 33" Forward Kit 1.5"
- 34" Forward Kit and Lift Kit
- 35" to 37" Big Lift Kit (45%)
- 38" to 39" Big Lift Kit (45% or 60%)
- 40" and UP Big Lift Kit (**STRONGLY SUGGEST 60%**)



SUPPLIES

- Water-resistant grease
- DOT 4 brake fluid
- 80w90 gear oil



WHEEL REQUIREMENTS

- 18" or larger wheel required
- 18" wheels cannot exceed 4-1/2" backspacing
- 20" and larger wheels cannot exceed 5" backspacing

HIGHLIFTER

PARTS DIAGRAM



73-13216
Cotter Pin
(4ea)



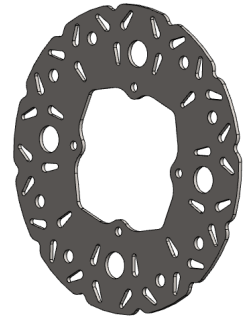
73-14779
1/2 Rotor
Spacer (16ea)



54-60936
Red Loctite
(1ea)



54-60501
3/8 X 1-1/8"
Button Head
Bolt (16ea)



73-14778
13" Rotor
(4ea)



73-15871
Rear Caliper
Bracket (2ea)
General XP (4
SEATER)
Ranger 1000
General
General XP (2
SEATER)

73-15870
Front & Rear
Caliper Bracket
(4ea)
Ranger 900
(CREW)
RZR 1000 XP

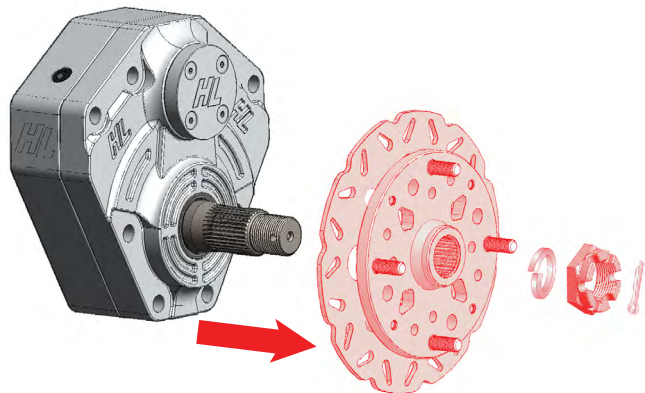
73-15870
Front Caliper
Bracket (2ea)
Ranger 900 (STD
CAB)
Ranger 1000
General
General XP (2
SEATER)

Rear Caliper
Bracket (2ea)
RZR Turbo
RZR Turbo S (2
seater) RZR Pro
XP
Rear

73-15873
Ranger 900 (STD Cab)
Rear Caliper Bracket
(2ea)

73-15872
Front Caliper Bracket
(2ea)
RZR Turbo
RZR Turbo S (2 seater)
RZR Pro XP
General XP (4 SEATER)

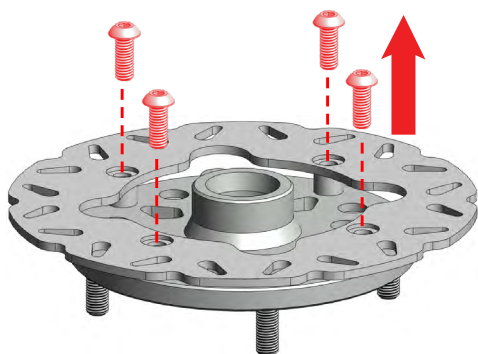
73-15869
Front & Rear Caliper
Bracket (2ea)
Defender XMR
Maverick X3



STEP 1

REMOVE HUB & ROTOR

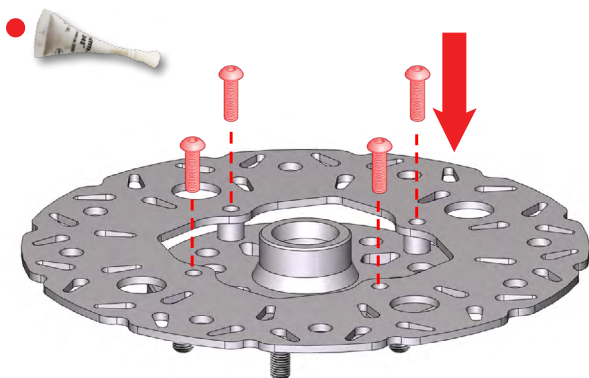
Remove the cotter pin, castle nut, lock washer, and rotor from the portal box.



STEP 2

REMOVE BOLTS

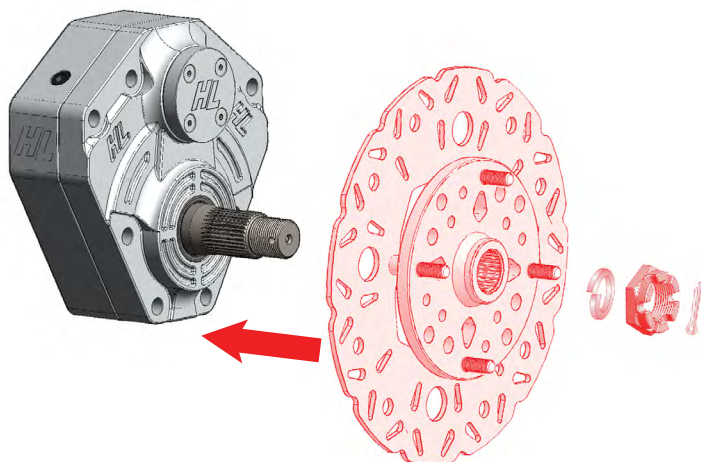
Remove the button head bolts from the rotor & hub. (7/32 allen key)



STEP 3

INSTALL BOLTS IN ROTOR

Apply LOCTITE (RED) to the (4) 3/8 x 1-1/8" button head bolts. (7/32) TORQUE [45 ft lbs]



STEP 4

INSTALL NEW ROTOR

Apply water resistant grease to the spindle shaft, then install the rotor and secure it to the hub with the lock washer and castle nut. (46mm) [Min 120 ft lbs]

QUESTIONS OR CONCERNS?
CALL (800) 699-0947