2753 Michigan Road • Madison, Indiana 47250 • 855-743-3427

INSTALLATION INSTRUCTIONS

Front High Clearance A-Arms:
for Polaris Ranger XP® 900

A Press or Ball Joint tool is required to remove and install Ball Joints.



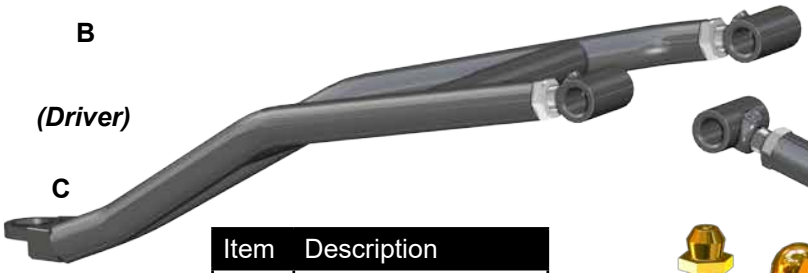
B



A

2x - Bump Stop

(Driver)



C

Item	Description
A	Upper Driver
B	Upper Passenger
C	Lower Passenger
D	Lower Driver

4x - Straight



2x - 90°

(Passenger)

D

Steering Stop Kit







Brake Line Clip and hardware
4 each



SuperATV strongly recommends using a Spring Compressor when removing and installing Springs.

AA-P-RAN900H-HC kit include 2 different size Steering Stops:

- SSK-15-FB-001 Stops install onto SuperATV Rack and Pinions
- SSK-15-FB installs onto stock Rack and Pinions



Need help with your installation?

sales@superatv.com

www.superatv.com

1-855-743-3427

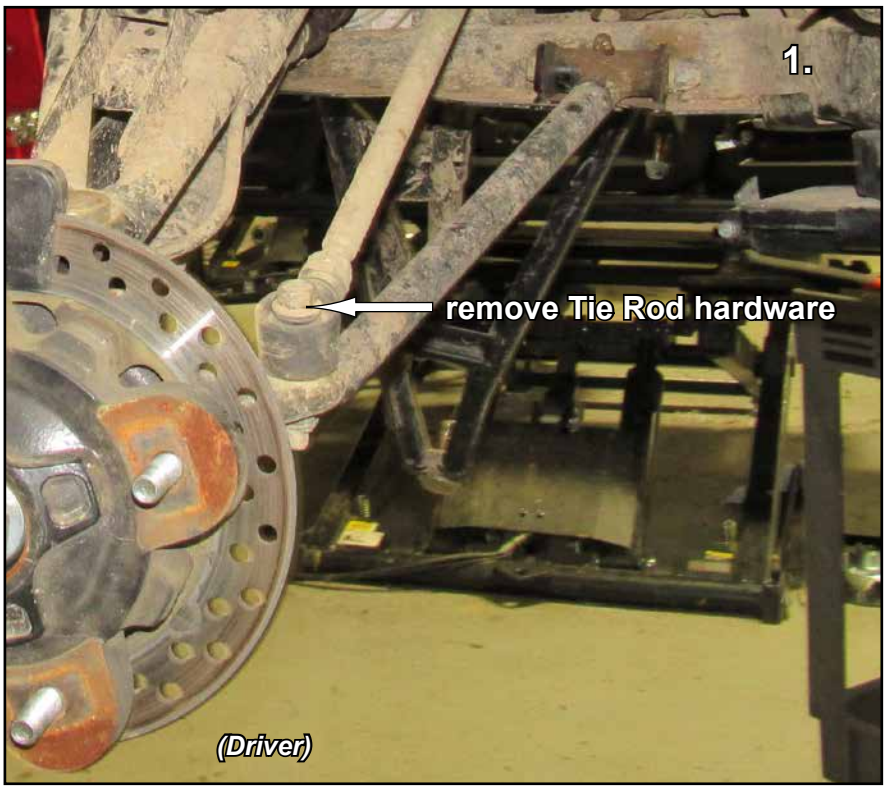
8:00am - 8:00pm EST M-Th
8:00am - 7:00pm EST Friday
9:00am - 2:00pm EST Saturday

Read instructions and view illustrations before beginning.

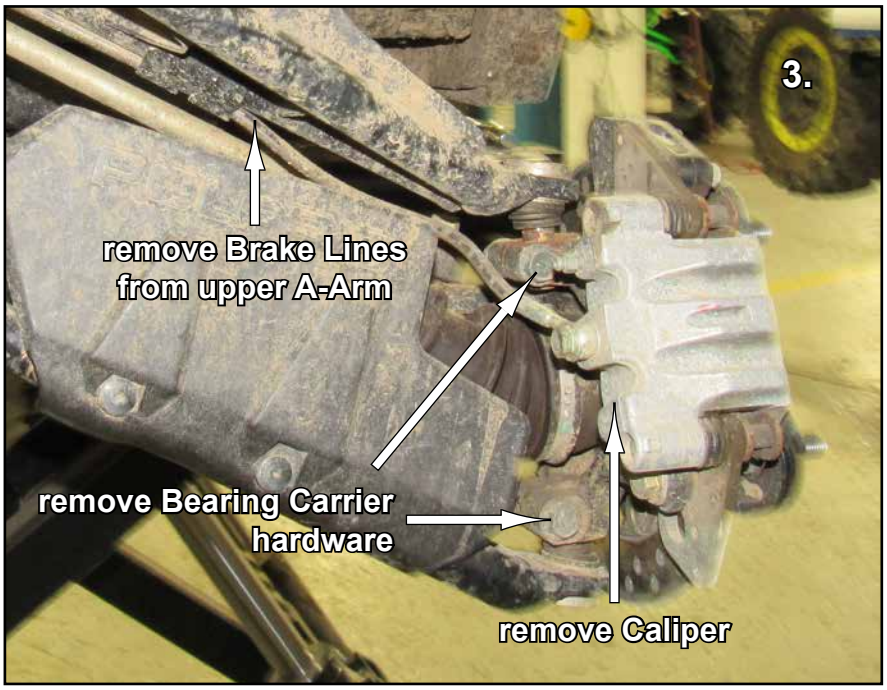
Thank You For Choosing

© 2019 SuperATV.com®. All Rights Reserved.

Removal (driver side shown); ***keep all components.***









- Place Caliper away from A-Arm area.

Removal (driver side shown); ***keep all components.***



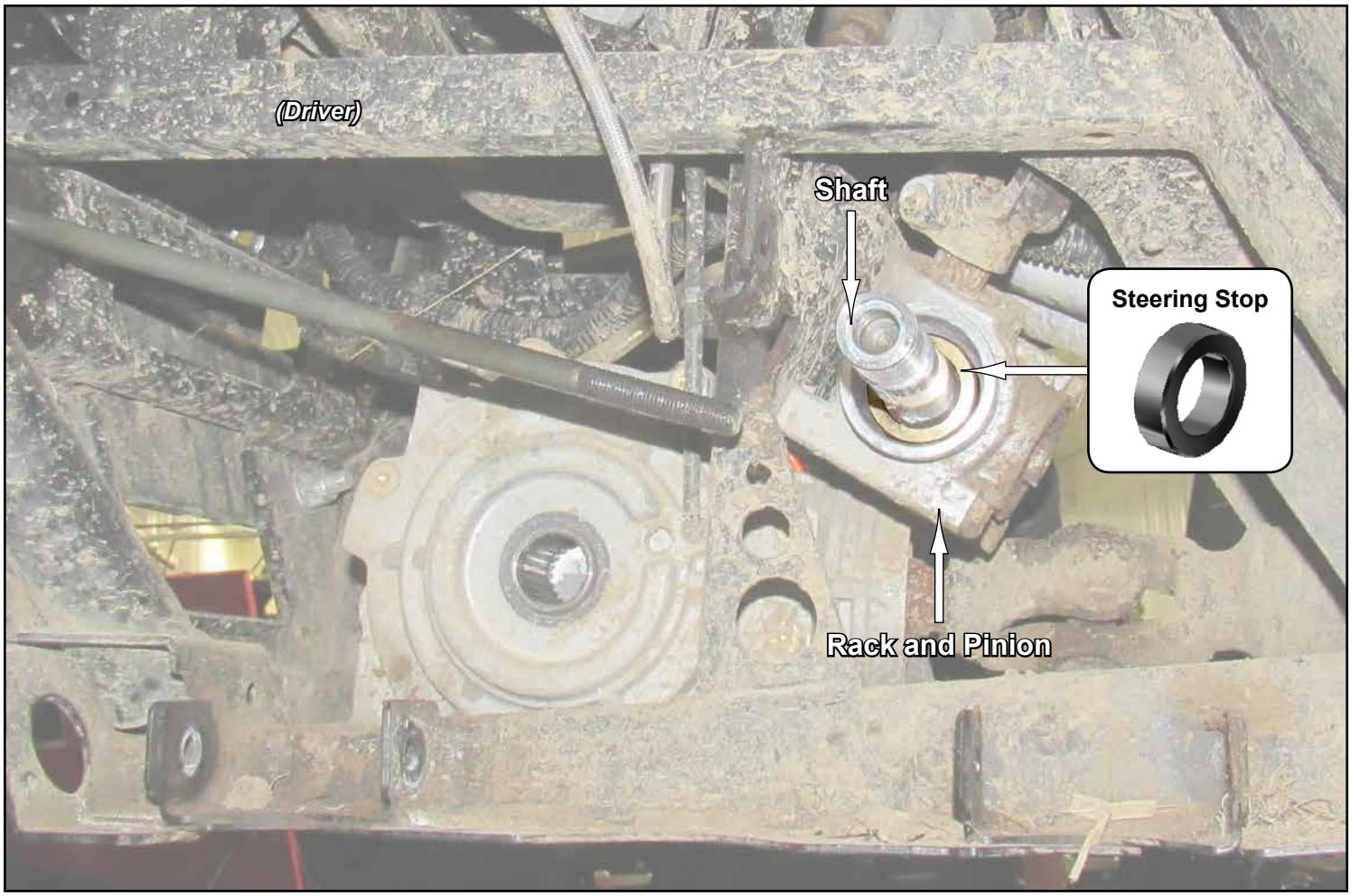




repeat steps for passenger side

Steering Stop Installation

- Install (1) Steering Stop onto each Shaft of Rack and Pinion.



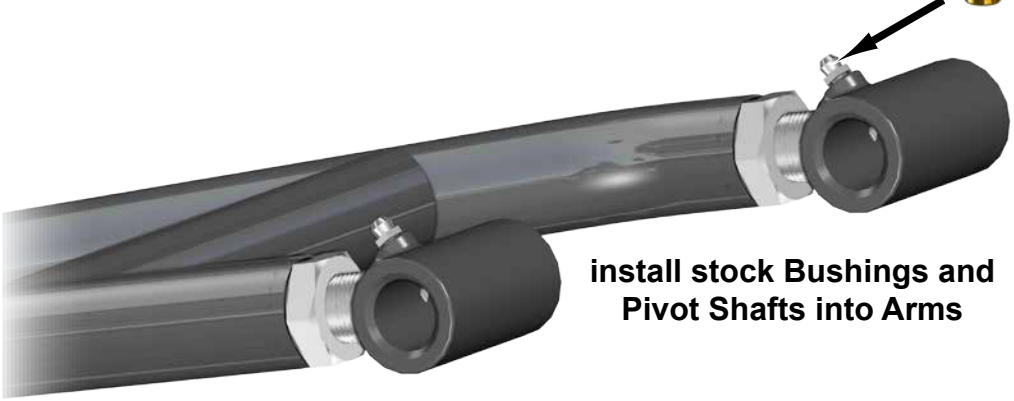
- See attached Tie Rod Kit instructions and install provided Tie Rods to Rack and Pinion.

- Install provided Fittings.





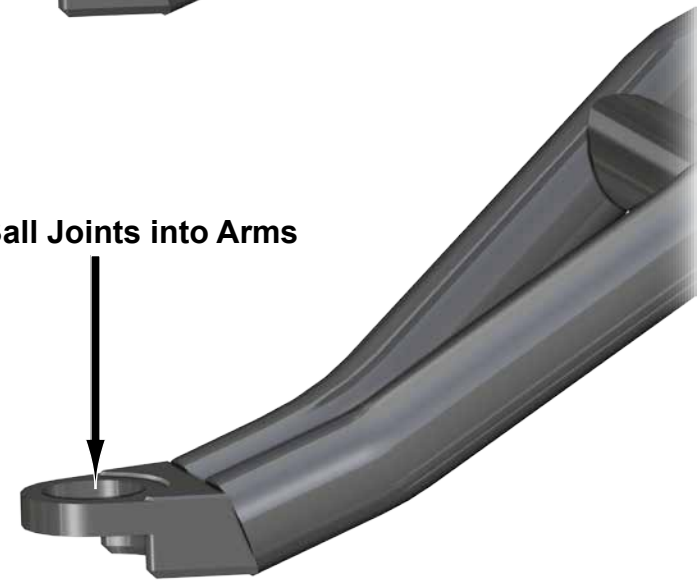
x 2



install stock Bushings and Pivot Shafts into Arms

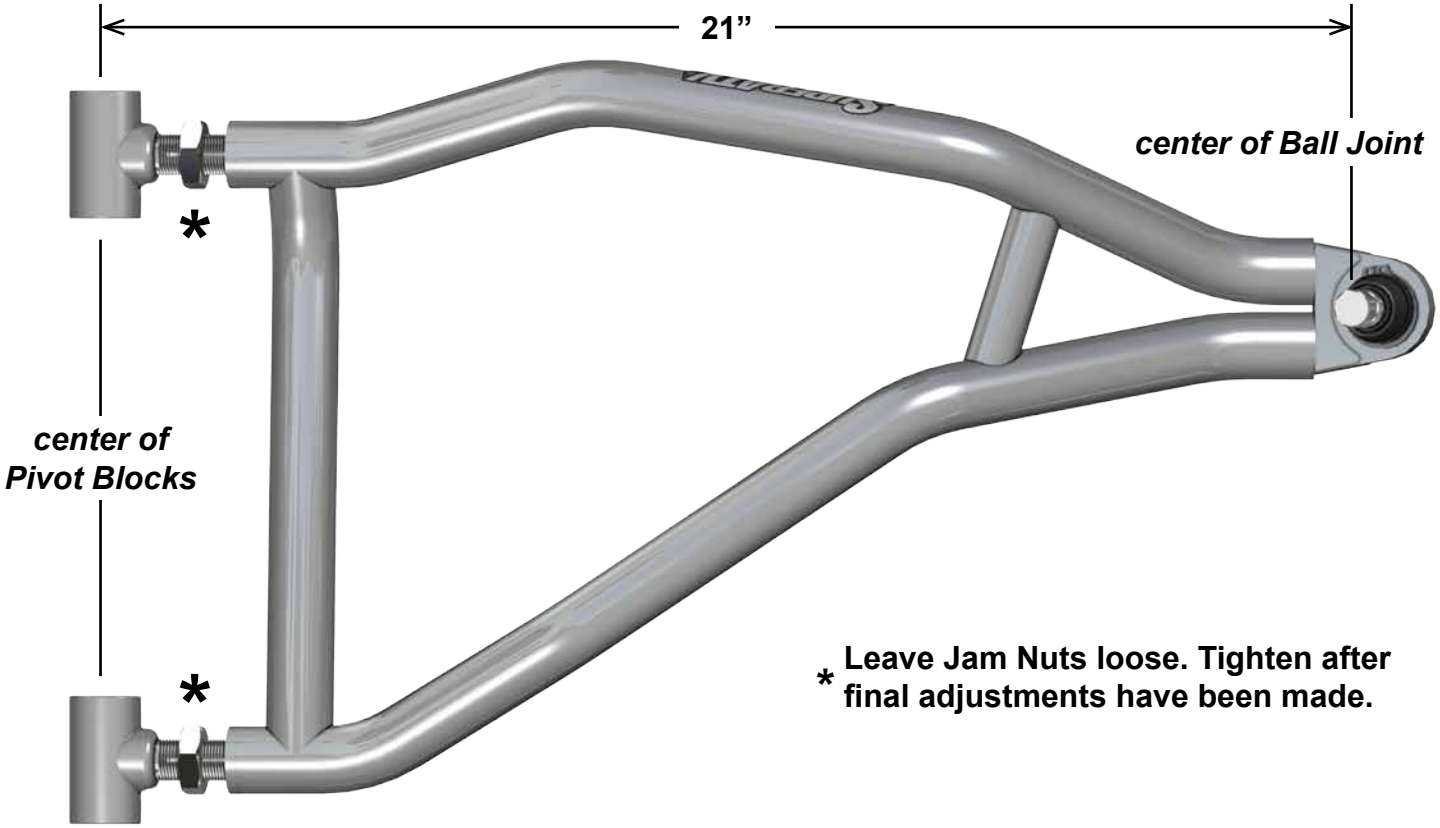


install stock Ball Joints into Arms

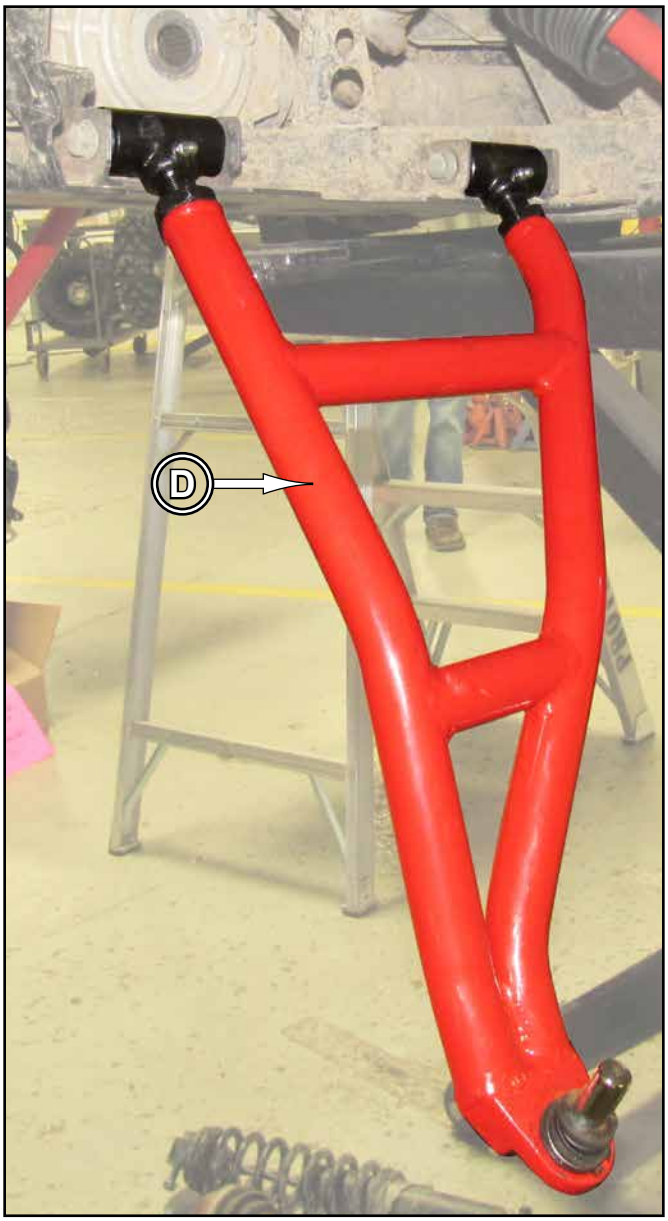


PIVOT BLOCK SETTINGS

- Place new A-Arms onto a flat surface and verify dimension shown.
- *Negative 1° camber setting is achieved when Pivot Blocks are set to this dimension.*
- See last page for additional camber information.



- Install Lower Driver (D) to Frame with stock hardware.
- ***Do not install Nuts until all final adjustments have been completed.***



- Slide Upper Driver (A) onto stock Bolt.



- Rotate Upper Driver (A) and Bolt into position and secure to Frame with stock hardware.
- Tighten hardware completely; SuperATV recommends using Loc-Tite on Nut.
- Use a strap and “hang” Upper Driver (A) up and away.
- Install new Axle.

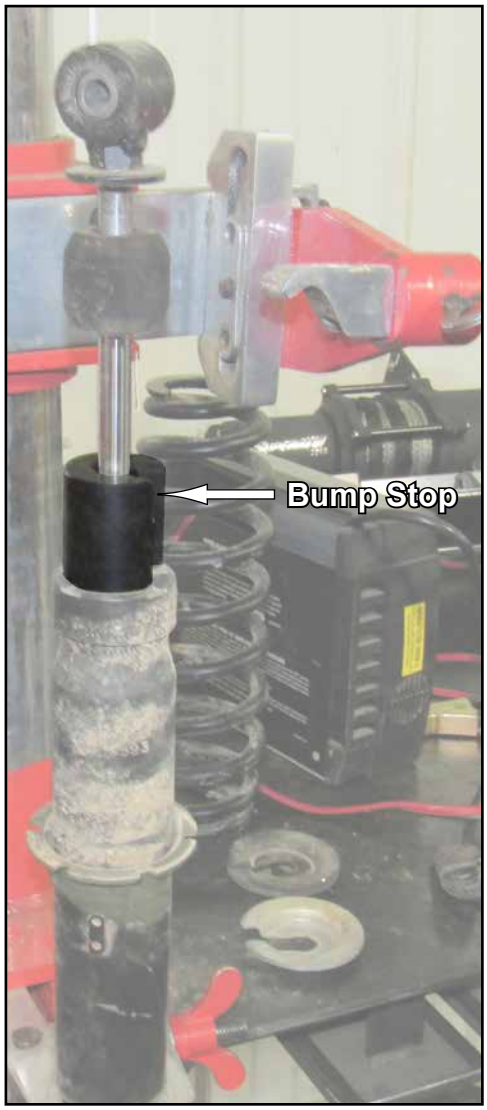


Bump Stop installation

- Remove Retainer and Spring.



- Install Bump Stop.

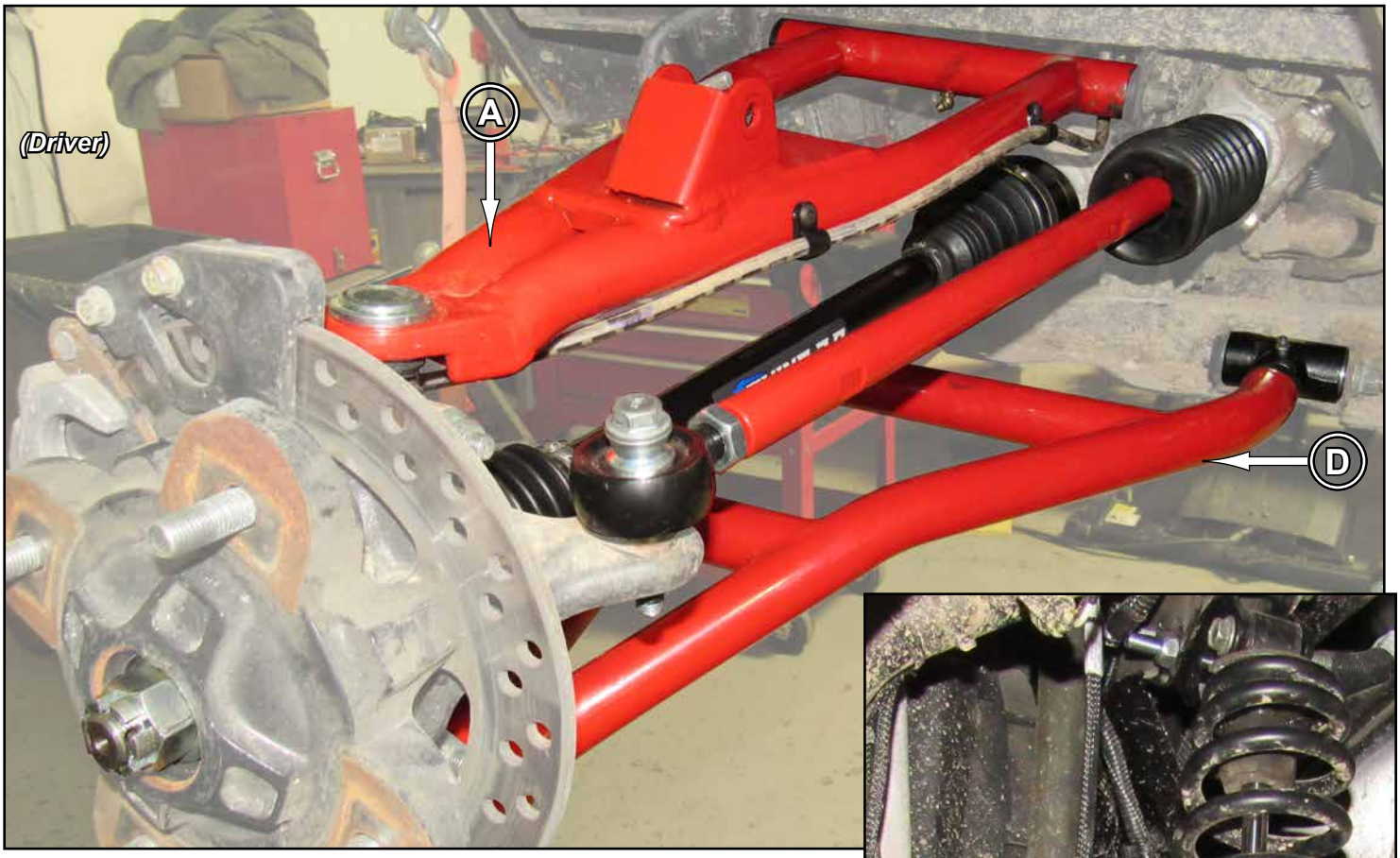


- Reinstall Spring and Retainer.



repeat steps for opposite Shock

- Secure Bearing Carrier to A-Arms. ***Do not install Nuts until all final adjustments have been completed.***
- Secure Tie Rod End to Bearing Carrier with provided hardware.



- Reinstall Shock with stock hardware.



- ***Repeat steps and install passenger side components.***
- Reinstall Tires and check Camber settings; see last page.
- Add Nuts to previously installed hardware and tighten completely. SuperATV recommends using Loc-Tite on Nuts.

CUSTOMER NOTIFICATION AND DISCLAIMER LIABILITY

This product is a modification for utility task vehicles and all terrain vehicles. Use this product at your own risk.

Warranty and Liability Limitations. The Buyer hereby assumes all risks associated with the use and/or installation of this product. Buyer waives all liability claims against SuperATV® of any kind or nature, including, but not limited to, liability for penalties, fines, property damage, personal injury or death, to the fullest extent permitted by law. Buyer acknowledges and agrees that SuperATV® is not liable for any direct, indirect, incidental, consequential or special damages, including but not limited to, damage, loss of life, loss of property or equipment, loss of profits or revenue, injury, or claims from any individual or entity arising from the use of this product.

The warranty for this product, if any, may give you ("Buyer") specific legal rights, and Buyer may also have other rights which may vary from state to state. The installation of this product may void or otherwise adversely affect your factory warranty.

Consult your vehicle warranty before using this Product. Under no circumstances will SuperATV® be liable for the voidance of the Buyer's vehicle warranty. Buyer assumes all risk and responsibility if a manufacturer and/or dealer voids the Buyer's vehicle warranty due to use of this Product.

Safety and Laws. Operate your vehicle at all times in a safe manner. You must abide by all local, state, and federal laws, including but not limited to vehicle safety, traffic laws, and ordinances. It is your responsibility to know the laws and how they apply to you. The installation of this product may violate certain local, state, and federal laws. Be advised that laws vary depending on town, city, county, state, etc. Use of this product on public streets, roads, or highways may be in violation law. The Buyer is solely and exclusively legally and personally responsible for any violation of the law by the installation or use of this product. In no case will SuperATV® be held liable if Buyer violates the law or uses the product in an unsafe manner.

The Buyer is responsible to fully understand the capability and limitations of his/her vehicle according to manufacturer specifications, warnings and instructions and agrees to hold SuperATV® harmless from any damage resulting from failure to adhere to such specifications, warnings and/ or instructions. The Buyer is also responsible to obey all applicable federal, state, and local laws when operating his/her vehicle while using this product, and the Buyer agrees to hold SuperATV® harmless from any violation thereof.

Installation. The installation of this product on your vehicle indicates that you have had the opportunity to inquire about applicable local, state, and federal laws and ordinances and that you have read and understand, and accept all of the terms of, this Disclaimer.

SuperATV® shall not be responsible for the proper installation, use, and service of this product. Rather, the Buyer shall be solely responsible for the installation of the product and any damage that may be done to the vehicle or vehicle components as a result of modifications made by the Buyer.

2753 Michigan Road • Madison, Indiana 47250 • 855-743-3427

INSTALLATION INSTRUCTIONS

Tie Rod Kit

Small Boot





Large Boot



2 x Tie Rod Shaft





2 x Ball and Socket





2 x Tie Rod End and Jam Nut



hardware



4 x Zip Tie

Need help with your installation?

sales@superatv.com

www.superatv.com

1-855-743-3427

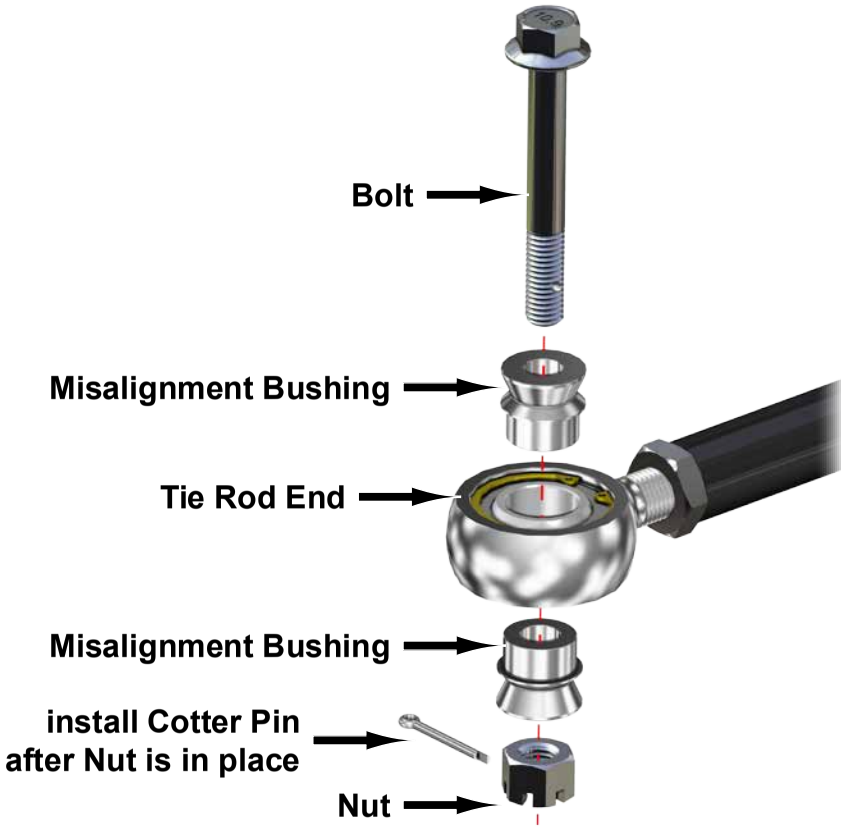
8:00am - 8:00pm EST M-Th
8:00am - 7:00pm EST Friday
9:00am - 2:00pm EST Saturday

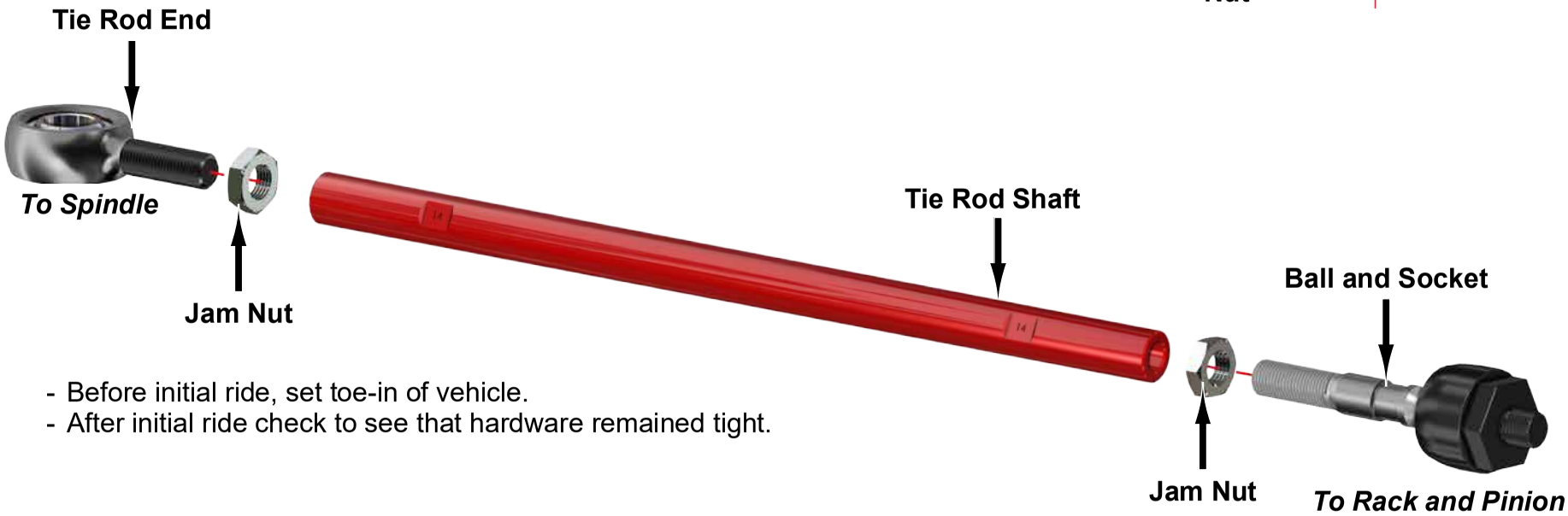
Read instructions and view illustrations before beginning.

Thank You For Choosing

© 2019 SuperATV.com. All Rights Reserved.

- Remove stock Tie Rods from machine.
- Remove Jam Nuts from Ball and Sockets.
- Install Ball and Sockets to Rack and Pinion. Use Loctite.
- Install Boots to Rack and Pinion and secure with Zip Ties.
  Use a lubricant to ease installation.
- Reinstall Jam Nuts to Ball and Sockets.
- Install Tie Rod Shafts to Ball and Sockets.
- Install Tie Rod Ends to Tie Rod Shafts.
- Secure Tie Rod Ends to Spindles with hardware shown.





- Before initial ride, set toe-in of vehicle.
- After initial ride check to see that hardware remained tight.

Liability Statement

SuperATV's® products are designed to best fit user's ATV/UTV under stock conditions. Adding, modifying, or fabricating any factory or aftermarket parts will void any warranty provided by SuperATV® and is not recommended. SuperATV's® products could interfere with other aftermarket accessories. If user has aftermarket products on machine, contact SuperATV® to verify that they will work together.

Although SuperATV® has thousands of satisfied customers, user should be aware that installing lift kits, long travel, or suspension kits, tires, etc. will change the ride of machine and may increase maintenance and part wear. Operating any off-road machine while, or after, consuming alcohol and/or drugs increases risk of bodily harm or death. No warranty or representation is made as to this product's ability to protect user from severe injury or death. SuperATV® urges operators and occupants to wear a helmet and appropriate riding gear at all times.

By purchasing and installing SuperATV® products, user agrees that should damages occur, SuperATV® will not be held responsible for loss of time, use, labor fees, replacement parts, or freight charges. SuperATV®, nor any 3rd party, will not be held responsible for any direct, indirect, incidental, special, or consequential damages that result from any product purchased from SuperATV®. The total liability of seller to user for all damages, losses, and causes of action, if any, shall not exceed the total purchase price paid for the product that gave rise to the claim.

SuperATV® will warranty only parts provided by SuperATV®. Any damage or problems with OEM housings, bearings, seals, or other manufacturers' products will not be covered by SuperATV®. SuperATV® parts and products are not warrantied if item was not installed properly, misused, or modified.

Installing, adding, modifying, or fabricating any factory or aftermarket product to your ATV/UTV may violate certain local, state, and federal laws. Be advised that laws vary depending on town, city, county, state, etc. Use of certain products on public streets, roads, or highways may be in violation law. The Buyer is solely and exclusively legally and personally responsible for any violation of the law by the installation or use of the product. You must abide by all local, state, and federal laws, including but not limited to vehicle safety, traffic laws, and ordinances. It is your responsibility to know the laws and how they apply to you.

The Buyer is responsible to fully understand the capability and limitations of his/her vehicle according to manufacturer specifications, warnings and instructions and agrees to hold SuperATV® harmless from any damage resulting from failure to adhere to such specifications, warnings and/ or instructions. The Buyer is also responsible to obey all applicable federal, state, and local laws and ordinances when operating his/her vehicle while using this product, and the Buyer agrees to hold SuperATV® harmless from any violation thereof.

CAMBER

- **Tires must have equal air pressure before making adjustments.**
- **Adjustments to be made after all suspension components have been completely assembled.**
- **Tires must not be in contact with ground when making adjustments.**
- **Perform adjustments in small increments.**





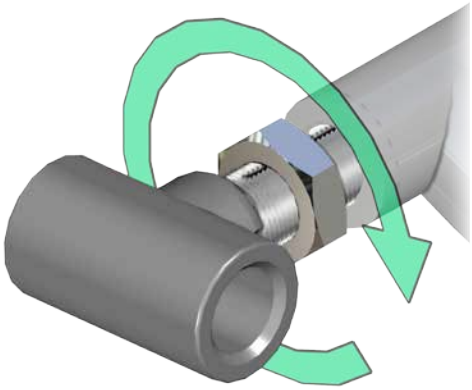
Adjusting Camber:

- Remove A-Arms from Frame and turn Pivot Blocks to adjust camber. Reinstall Arms.
- Lower machine and settle suspension components by rolling machine back and forth several feet at a time.
- Check settings and make small adjustments as needed.
- Each time an adjustment is made, machine must be rolled back and forth to settle suspension components.
- Once desired setting is achieved, tighten hardware completely. Loc-tite on Nuts is recommended.

A NEGATIVE CAMBER SETTING OF 1° to 2° IS RECOMMENDED.

LOWER:
Too much positive camber: adjust Pivot Blocks *OUT*.
Too much negative camber: adjust Pivot Blocks *IN*.
note: 2 full turns is 1°

UPPER A-ARMS:
Too much positive camber: adjust Pivot Blocks *IN*.
Too much negative camber: adjust Pivot Blocks *OUT*.
note: 2 full turns is 1°



IN-Arm-Settings