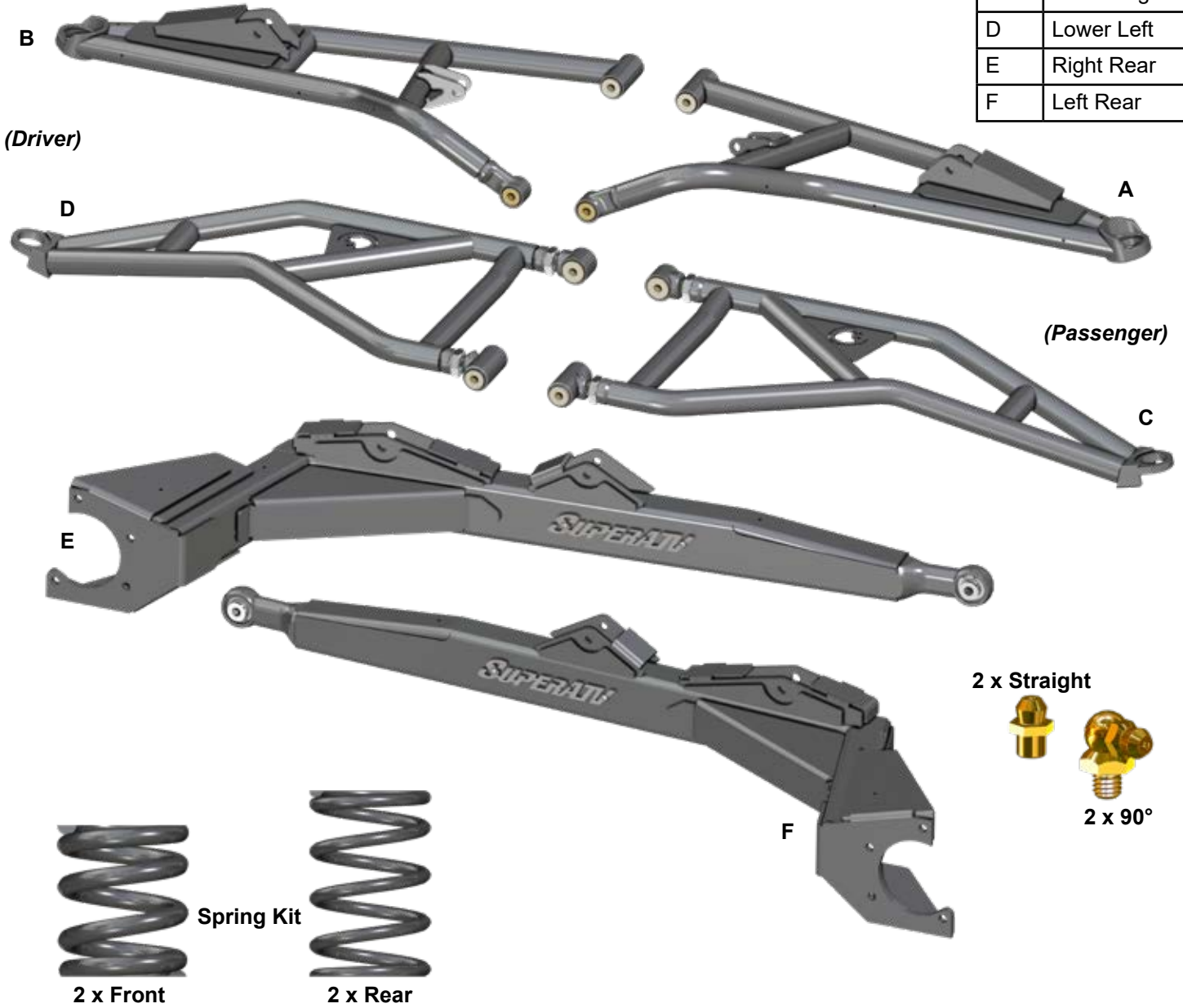


- Do not discard packaging until product has been successfully installed.
- A Press or Ball Joint tool is required to remove and install Ball Joints.

Item	Description
A	Upper Right
B	Upper Left
C	Lower Right
D	Lower Left
E	Right Rear
F	Left Rear



(kit contents continue on following pages)

**Need help with your installation?**

 [sales@superatv.com](mailto:sales@superatv.com)
 [www.superatv.com](http://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  
**SUPERATV**.COM<sup>®</sup>

(kit contents continued)

2x - Front Sway Bar Link



2x - Rear Sway Bar Link



20 each



Brake Line Clip  
and hardware



Right Front  
BL015  
(50" Lg.)



Left Front  
BL016  
(42" Lg.)



Right Rear  
BL217  
(82-5/8" Lg.)

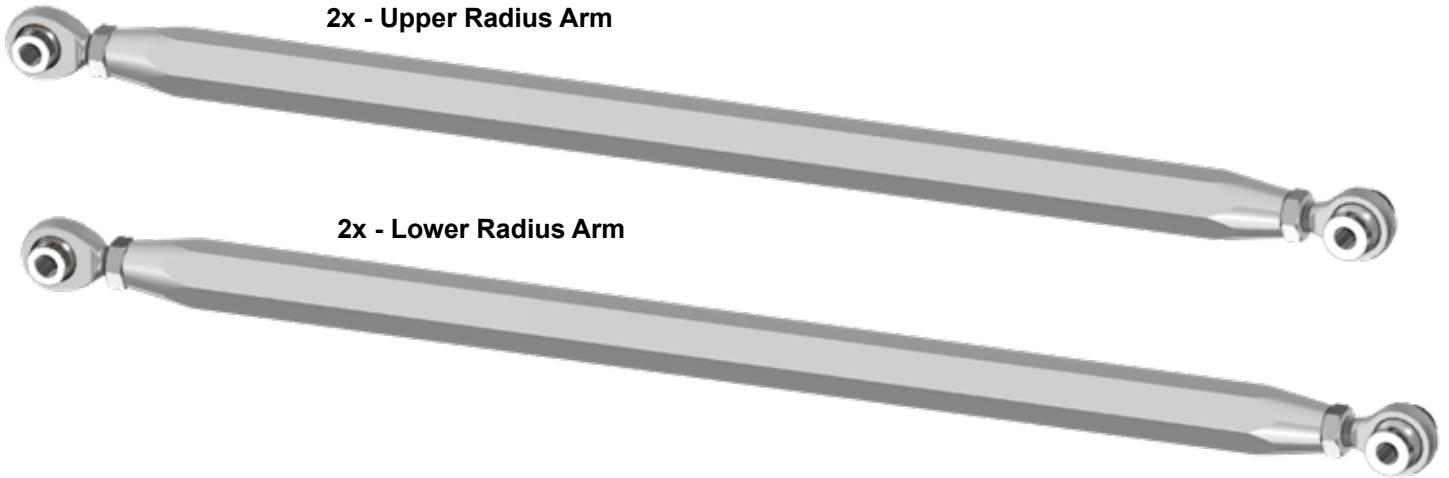


Left Rear  
BL218  
(60-1/4" Lg.)



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

(kit contents continued)



#### 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.

**Front Components Removal:** *Keep all components removed from machine.*



(driver)

**Remove:**

- Tie Rods from Knuckles and Rack and Pinion
- Mud Scrapers
- Knuckles
- Calipers and Brake Lines
- Hubs
- Axles
- Shocks and Swaybar Links
- A-Arms from machine



*Mud Scrapers will not be reinstalled*

- Remove Brake Line Clips from Arms.
- Disconnect Brake Lines from Master Cylinder and Calipers and remove from machine.

**Rear Components Removal:** *Keep all components removed from machine.*

**Remove:**

- Radius Rods from Bearings and Frame



**Remove:**

- Bearings
- Calipers
- Hubs
- Axles
- Shocks and Swaybar Links
- Arms from machine

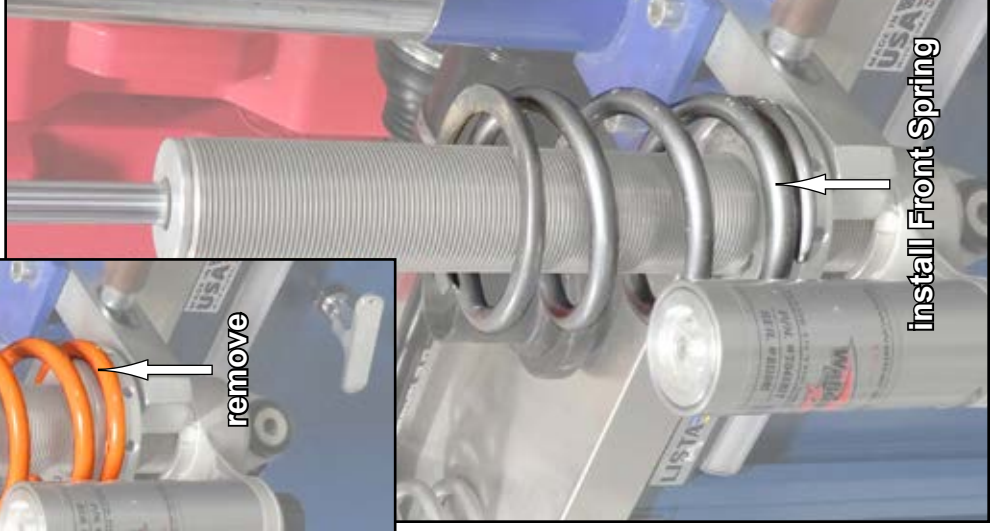
**Rear Components Removal continued:** *Keep all components removed from machine.*



- Remove Brake Line Clips from Rear Trailing Arms.
- Disconnect Brake Lines from Tee Fitting and Calipers and remove from machine.

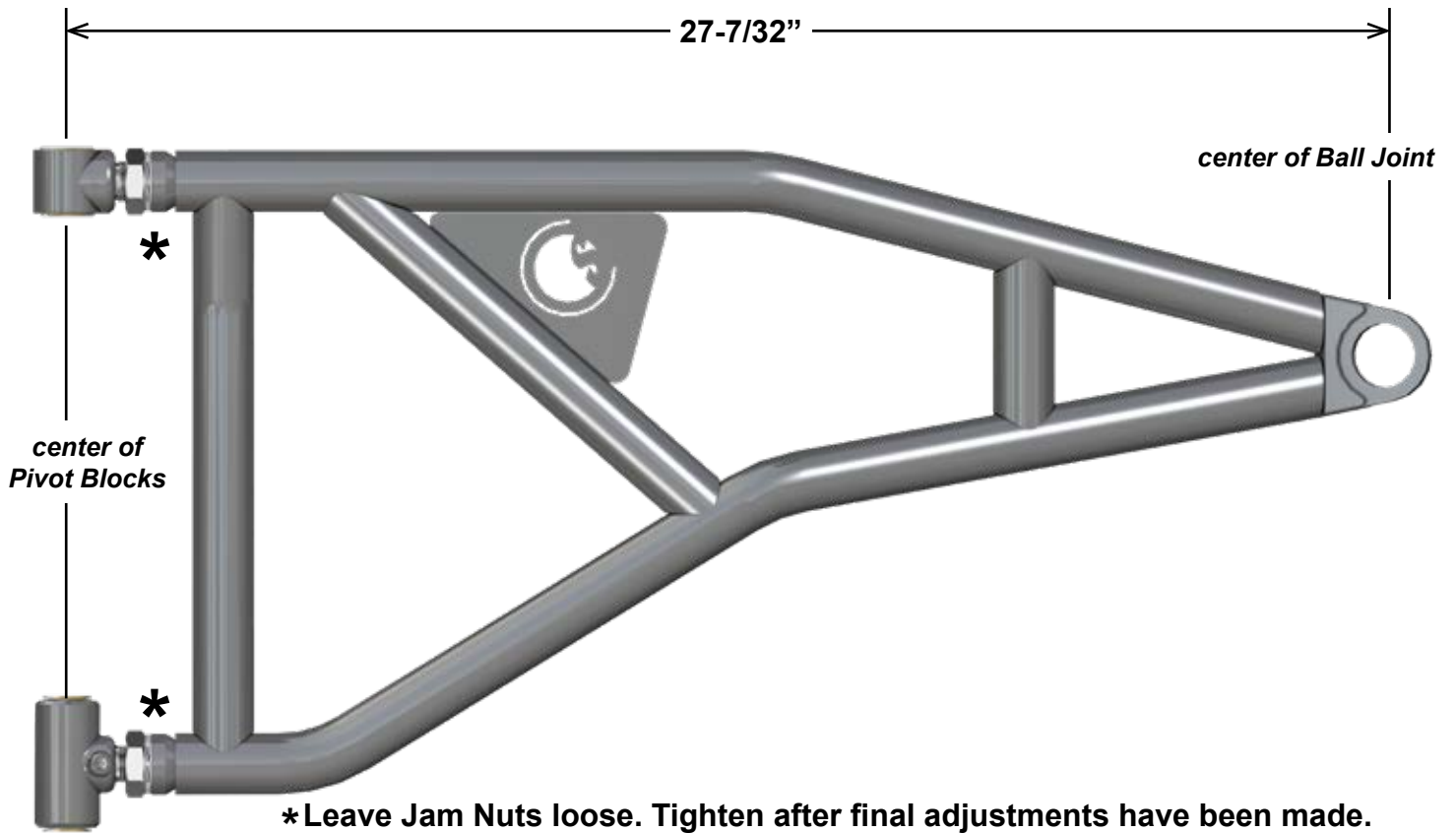
- Place Front Shock into Spring Compressor and remove components shown.
- Install new Front Spring and reverse removal steps.
- Remove Shock and repeat steps for remaining Front Shock.

## Front Spring:



## **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 provided Fittings.

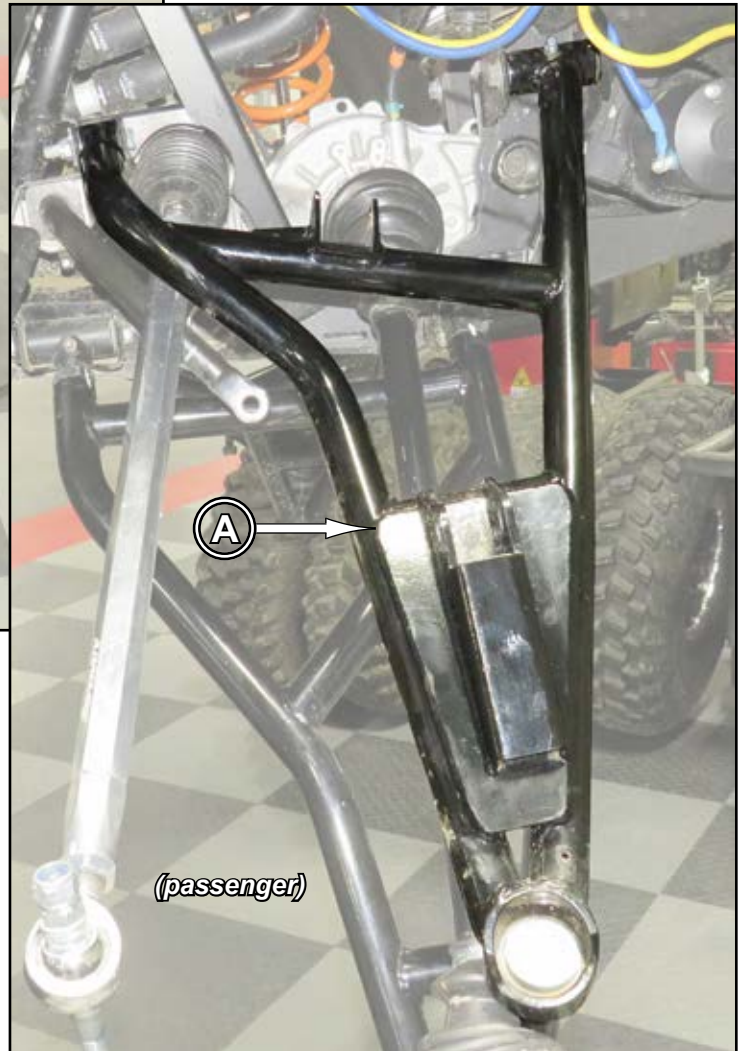


Install Ball Joints.



### **Front installation:**

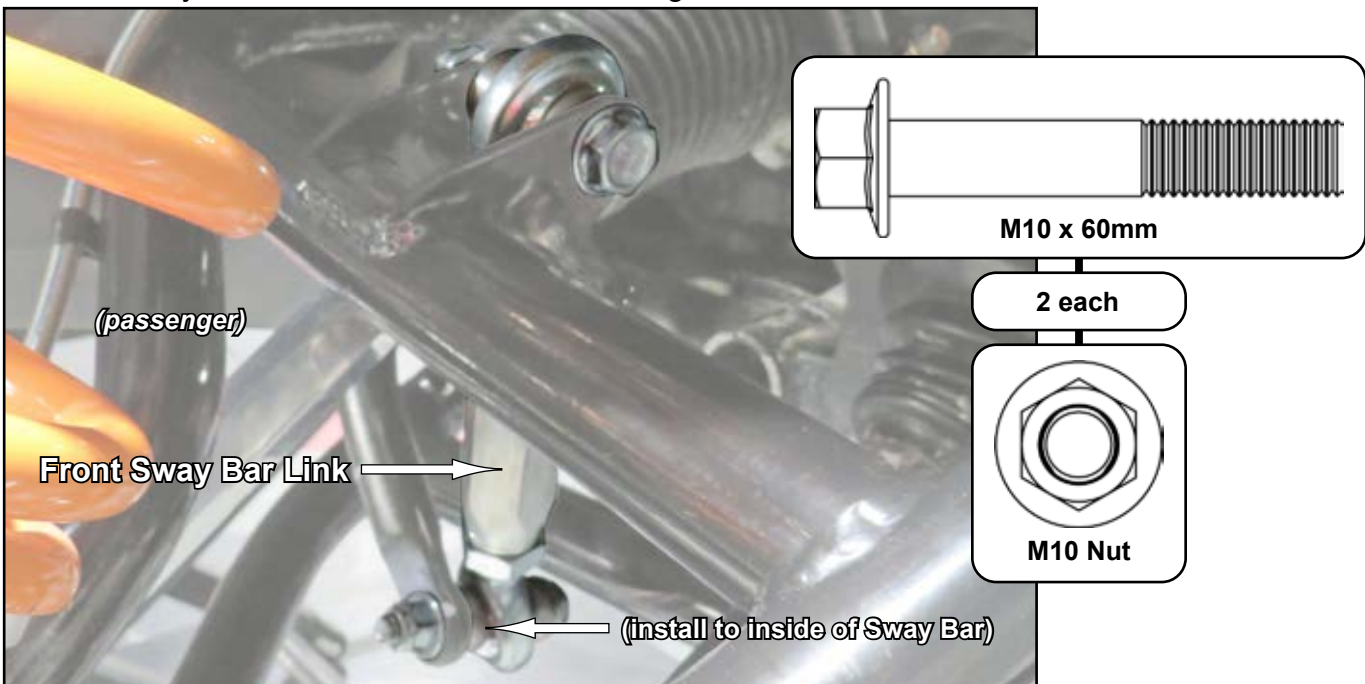
- Install new Front Axle.
- Install Lower Right (C) to Frame with stock hardware; **keep Nuts loose until all final adjustments have been completed and do not use Loc-Tite at this time.**
- Install Upper Right (A) to Frame with stock hardware; tighten. *SuperATV recommends using Loc-Tite on Nuts.*



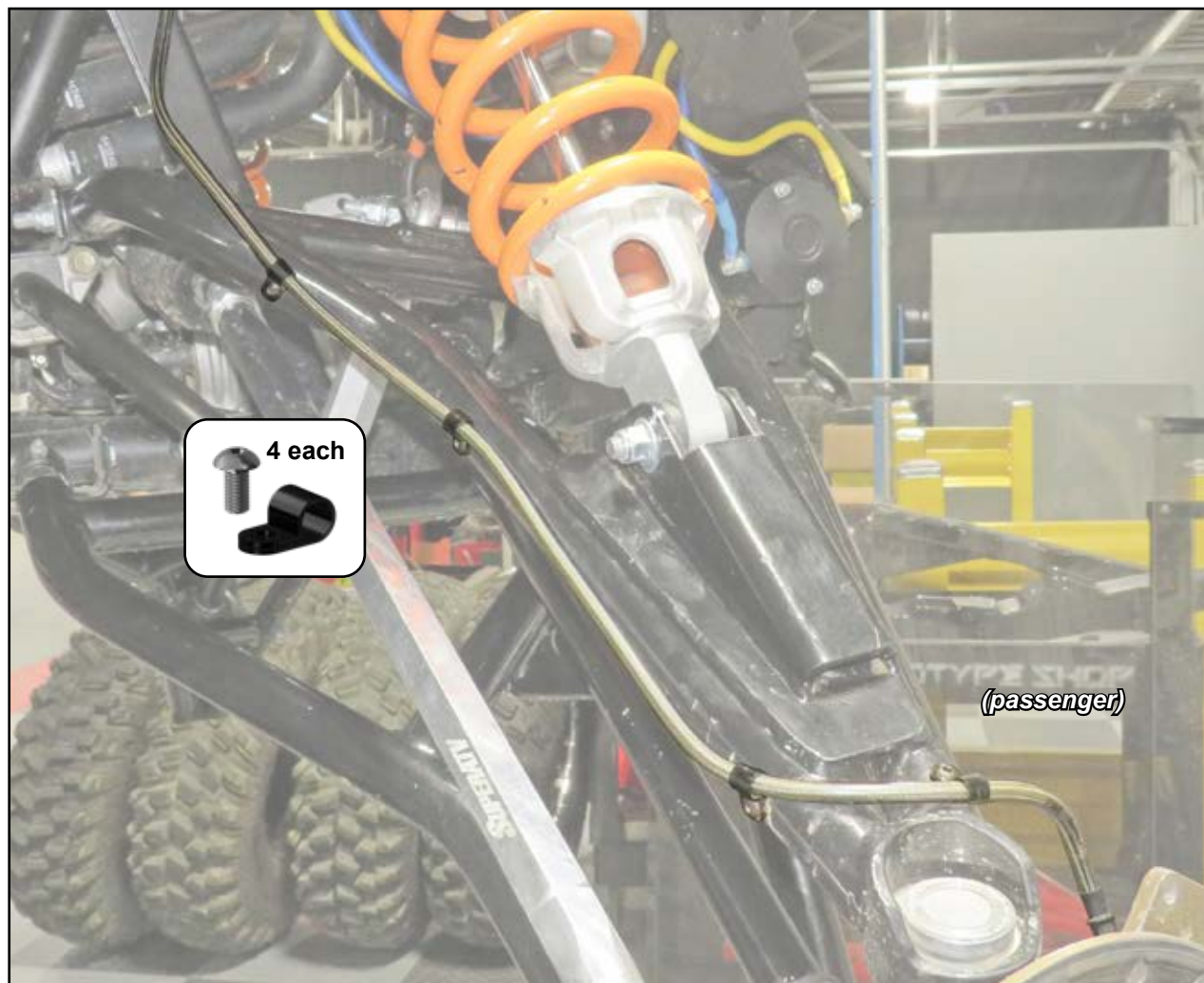
- Secure Knuckle to A-Arms. **Keep nuts on Lower loose until all final adjustments have been completed.**
- Secure Shock to Upper with hardware shown; tighten.
- Secure Tie Rod End to Spindle with stock hardware; tighten.



- Install Sway Bar Link with hardware shown; tighten.



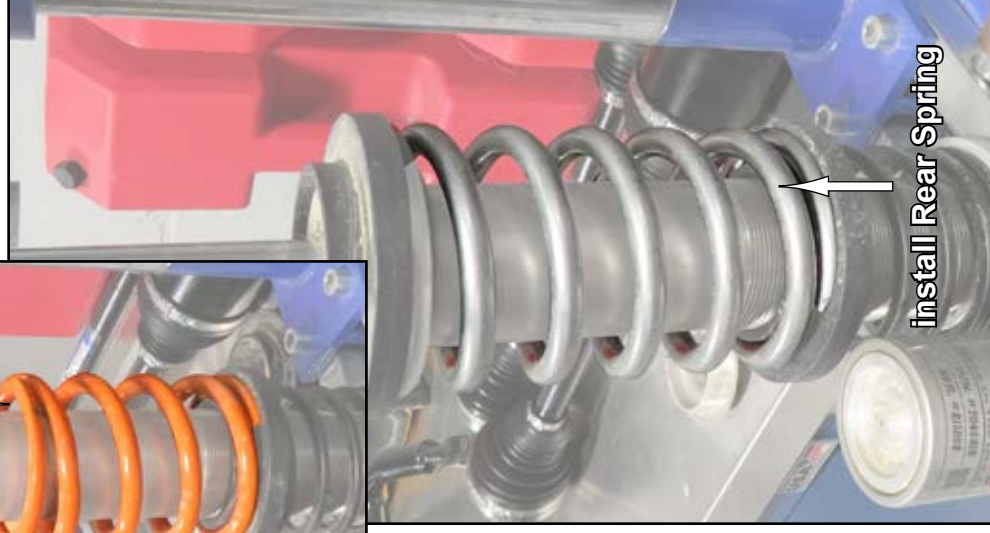
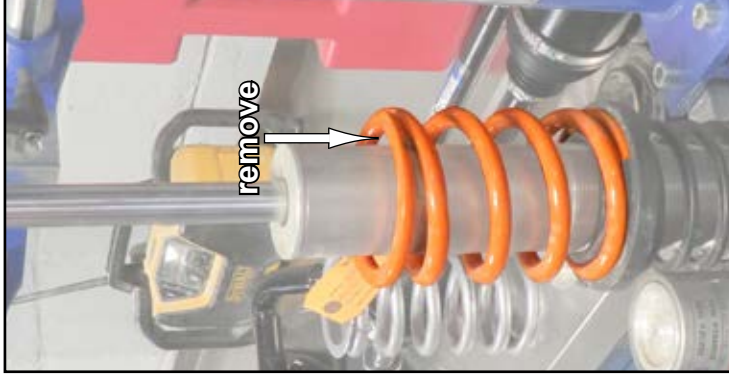
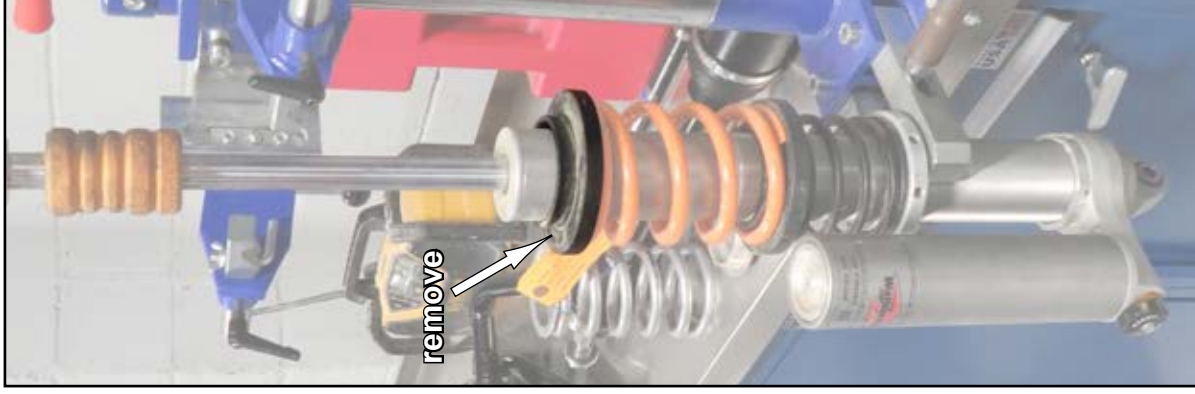
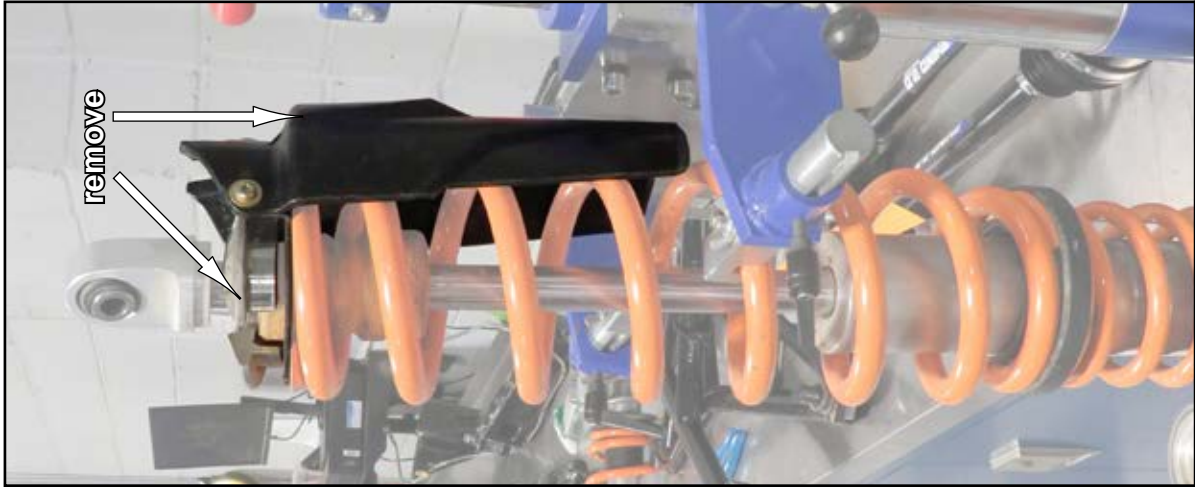
- Reinstall Rotor and Caliper. Secure Axle with stock hardware.
- Install new front Brake Line to Master Cylinder and Caliper.
- Secure Brake Line to Upper with components shown. Ensure no binding or interference can occur.
- Tighten all hardware.



- Repeat steps for driver side A-Arms.

- Place Rear Shock into Spring Compressor and remove components shown.
- Install new Rear Spring and reverse removal steps.
- Remove Shock and repeat steps for remaining Rear Shock.

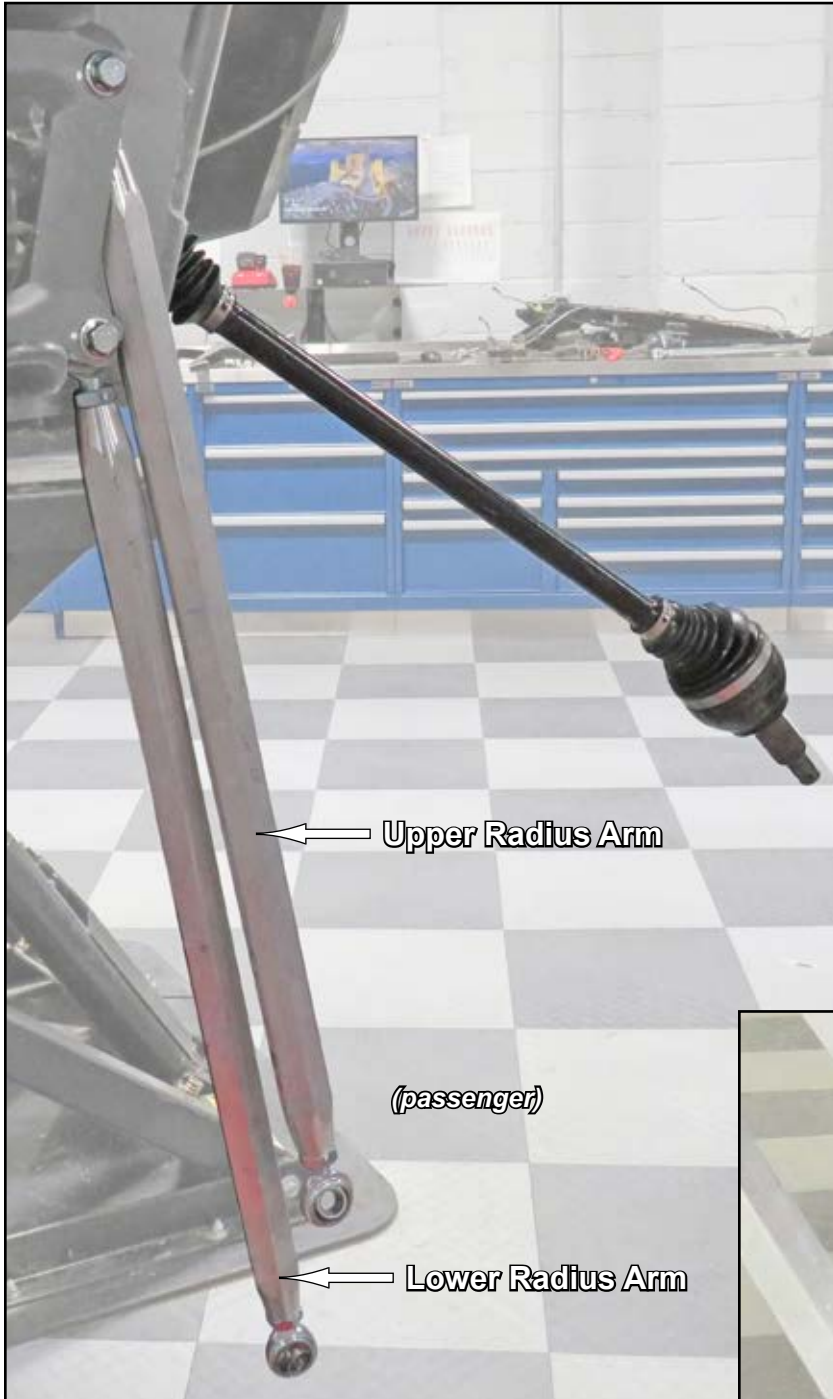
### Rear Spring:



**SPLASH GUARD WILL NOT BE REINSTALLED**

**Rear installation:**

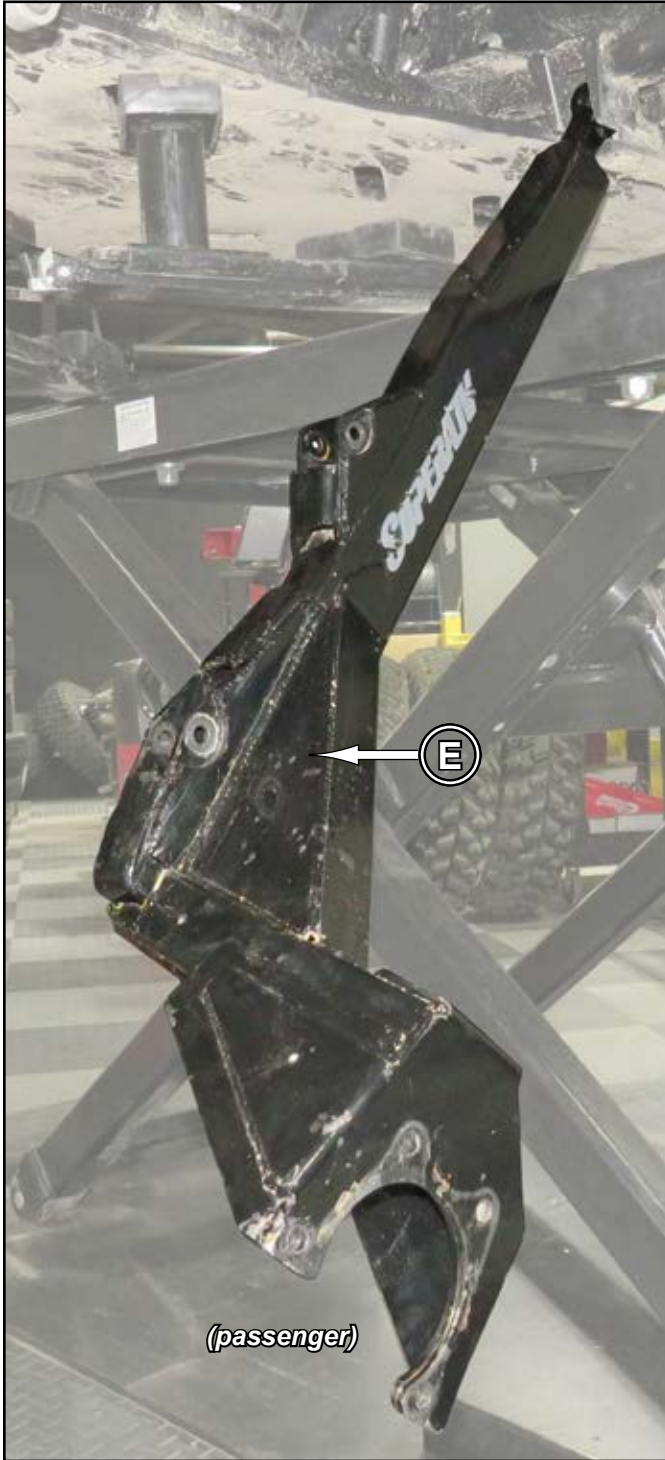
- Install new Rear Axle.
- Install new Radius Arms to Frame with stock hardware; tighten.



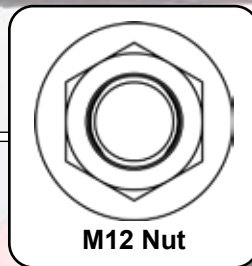
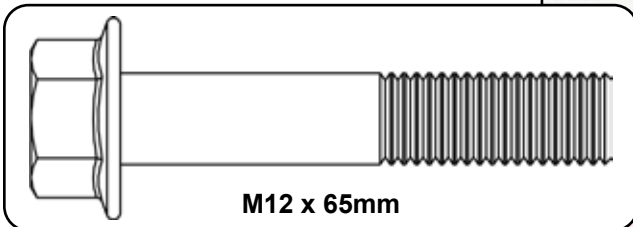
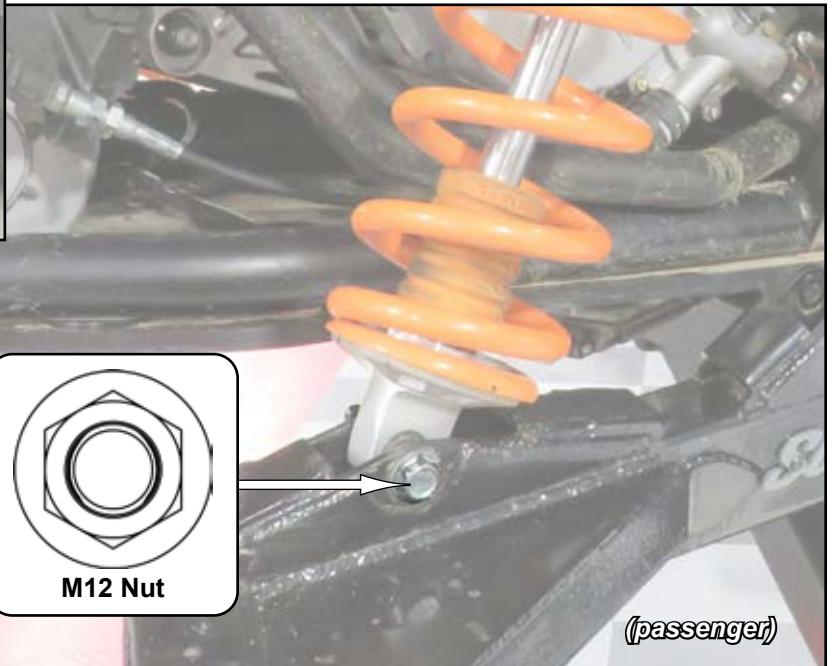
- Install Knuckle to new Radius Arms with stock hardware; tighten.
- Repeat steps for driver side.



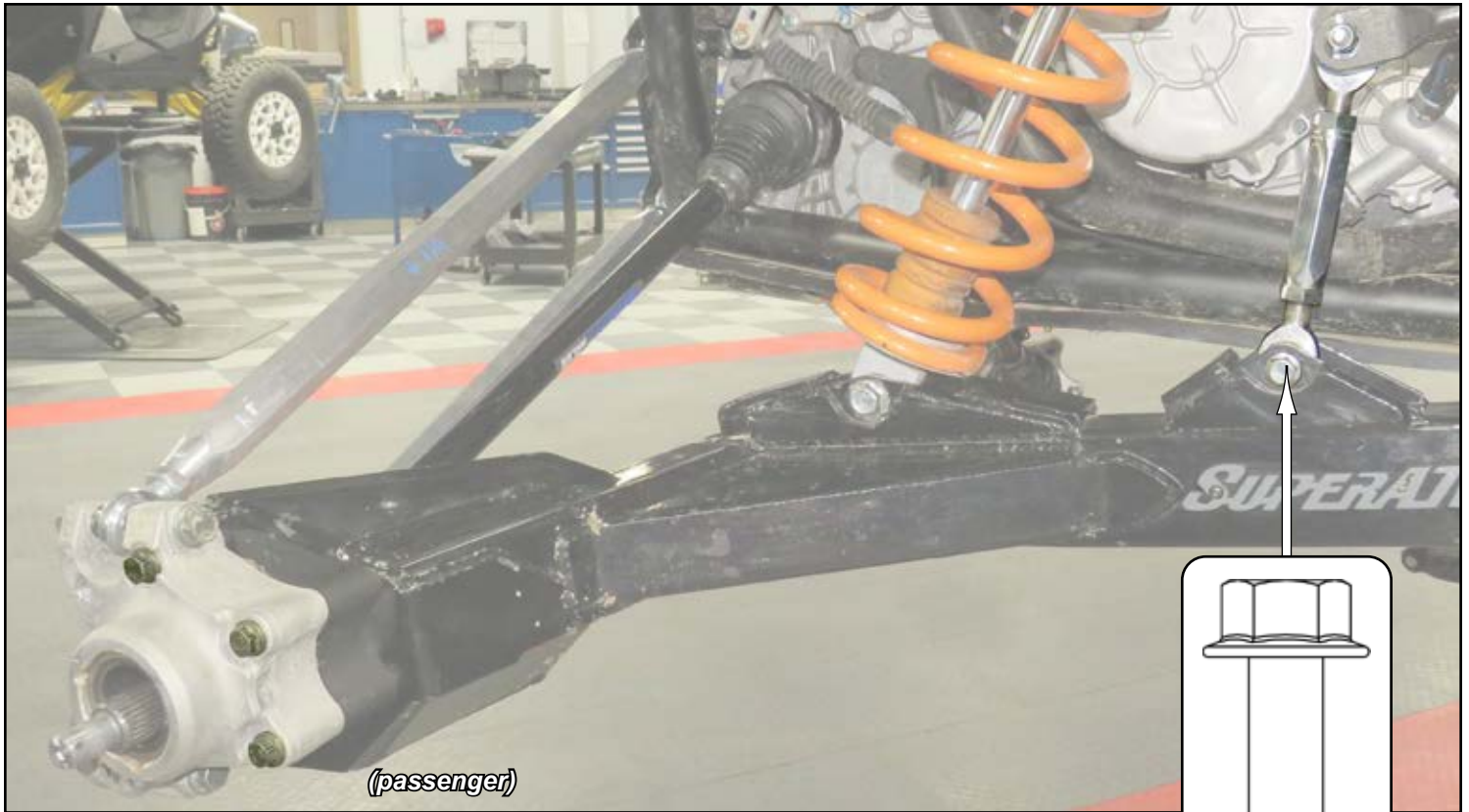
- Install Right Rear (E) with stock hardware; tighten.



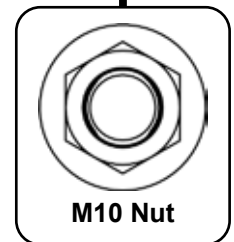
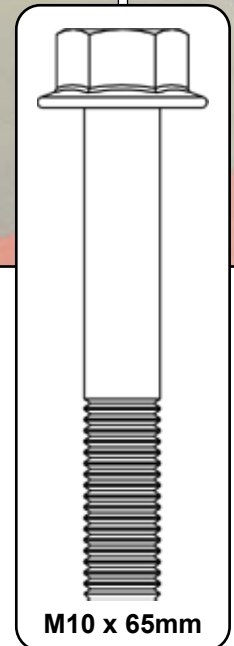
- Install Rear Shock to Frame and Right Rear (E) with hardware shown; tighten.



- Install Rear Sway Bar Link with hardware shown; tighten.
- Secure Knuckle to Right Rear (E) with stock hardware; tighten.



- Reinstall Rotor and Caliper. Secure Axle with stock hardware.
- Install new Rear Brake Line to Tee Fitting and Caliper.



- Secure Rear Brake Line to Right Rear (E) with components shown. Ensure no binding or interference can occur.



- Repeat steps for driver side installation.

- Reinstall Tires and check Camber settings; see last page.
- Tighten all Nuts on Lower. SuperATV recommends using Loc-Tite on Nuts.

## 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°**



**Billet Tie Rod Kit**

Do not discard packaging until product has been successfully installed.



2 x Boot



2 x Tie Rod Shaft

*SuperATV logo will signify left hand threaded end of Shaft.*



4 x Zip Tie



Hardware Kit



2 x Ball and Socket

2 x Tie Rod End and Jam Nut



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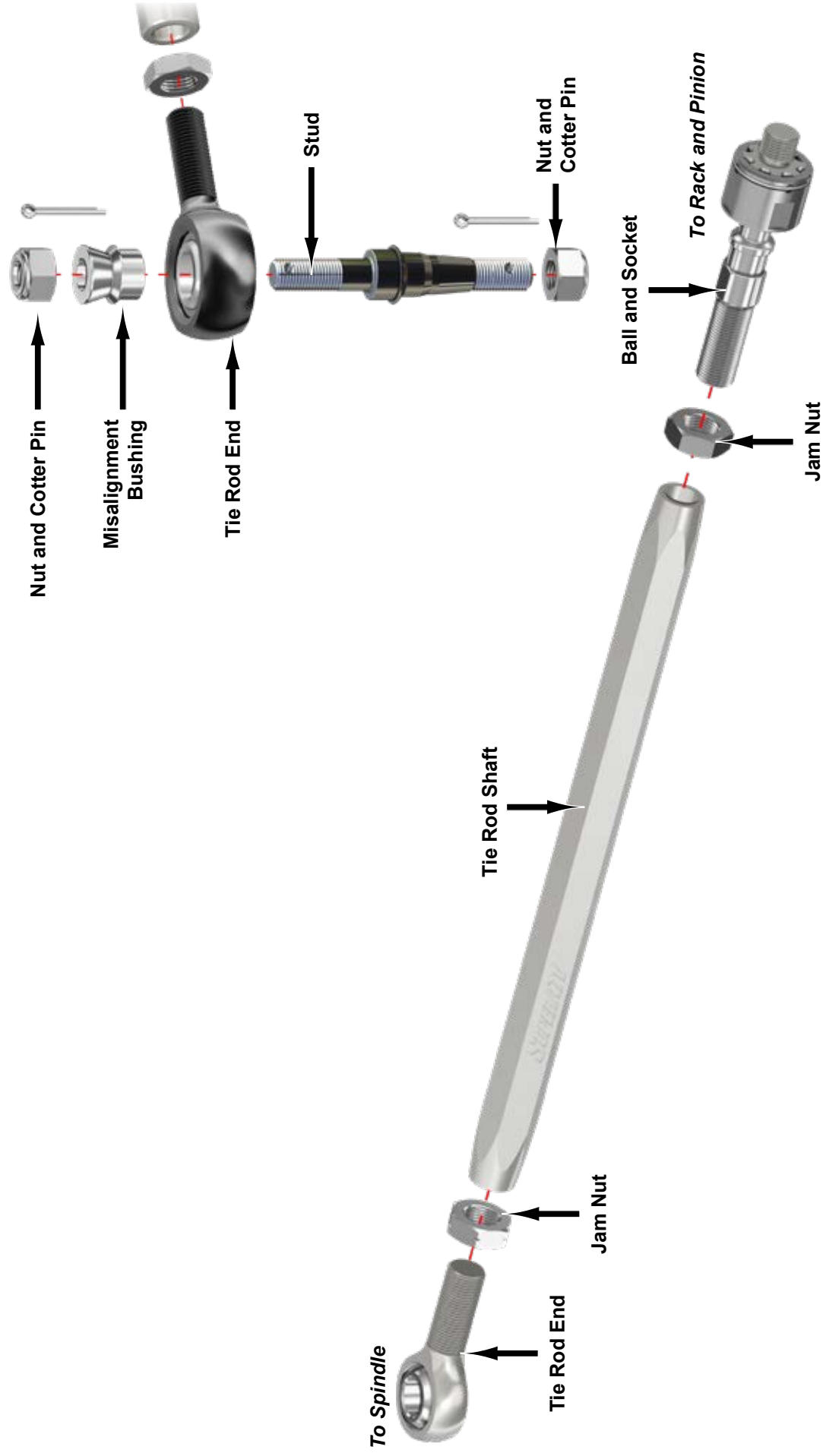
**Read instructions and view illustrations before beginning.**

*Thank You*

*For Choosing*



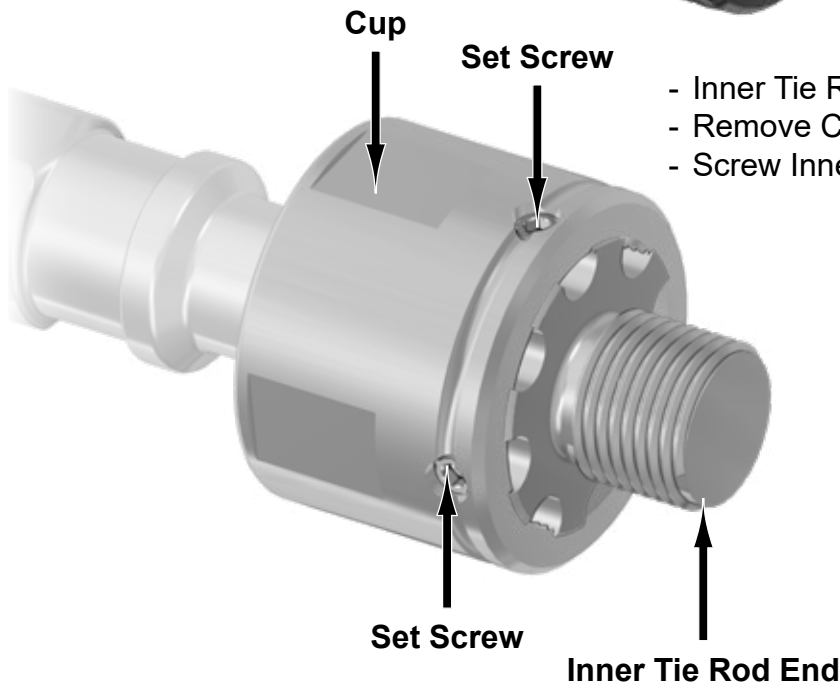
- Remove stock Tie Rods from machine.
- Remove Jam Nuts from provided Ball and Sockets.
- Install Ball and Sockets to Rack and Pinion. Use provided Bonding Adhesive.
- Install Boots to Rack and Pinion and secure with provided Zip Ties. Use a lubricant to ease installation.
- Secure Boots to Ball and Sockets with provided Zip Ties.
- Install Jam Nuts to Ball and Sockets.
- Install Tie Rod Shafts to Ball and Sockets.
- Install Tie Rod Ends and Jam Nuts to Tie Rod Shafts.
- Secure Tie Rod Ends to same location as stock on Spindles with hardware shown.



- Set toe of vehicle.
- Loosen Jam Nuts and apply Bonding Agent to Tie Rod End threads and Ball and Socket threads.



apply Bonding Agent to locations shown and retighten Jam Nuts



- Inner Tie Rod End is adjustable and can be tightened.
- Remove Clip and loosen (4) Set Screws
- Screw Inner Tie Rod End into Cup.