6 INCH A-ARM LIFT KIT

INSTALLATION INSTRUCTIONS

CLUB CAR® PRECEDENT®

PART# 18140

ITEMS INCLUDED



MAIN SUSPENSION ASSEMBLY



2 SPINDLES



(2) A-ARMS



(2) REAR LIFT BLOCKS



(2) U-BOLTS



(2) REAR SHOCK MOUNTING PLATES

⚠ WARNING ⚠

- To reduce the risk of accidents and injury or death -

Be Prepared

- Wear seatbelt, motorcycle helmet, eye protection, and protective gear.
- Keep your body completely inside the vehicle at all times. Keep both hands on the steering wheel. Be sure passenger is seated, belted, and holding onto the handholds.

Be Qualified and Responsible

- This vehicle is intended for use only by an operator 16 years or older with a valid motor vehicle license.
- Passenger and driver must be able to place both feet flat on the floor board while seated upright with their backs against the seat backs.

Avoid Rollovers and Crushing Injuries

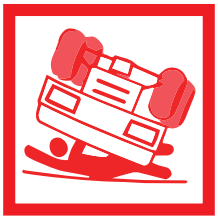
- Use care when turning:
  - Turning the steering wheel too far or too fast can result in a rollover or loss of control.
  - Slow down before entering a turn.
  - When making tight turns from a stop, or at slow speeds, avoid sudden or hard acceleration.
  - Avoid sideways sliding, skidding, or fishtailing, and never do donuts.
- Drive straight up and down inclines, not across them. If crossing a hill is unavoidable, drive slowly and turn downhill immediately if you feel the vehicle may tip.

Abrupt maneuvers or aggressive driving have caused rollovers - even on flat, open areas.





MUST BE 16 or Older



WARNING:

After installing this lift kit, the front wheels must be properly aligned. Failure to properly align the front wheels may result in decreased ability to control the Golf Cart which may result in a rollover or crash.

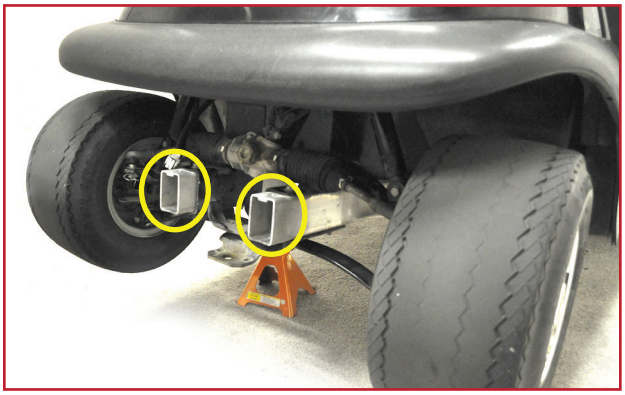
STEP 1

To begin, be sure to engage the parking brake and switch your cart to “off”. Also make sure Run/Tow switch is in the “Tow” position. Raise cart with lift and support with jack stands under the frame.



STEP 2

Detach front bumper by removing the two factory bolts closest to the edge of the frame. Retain bumper and hardware.



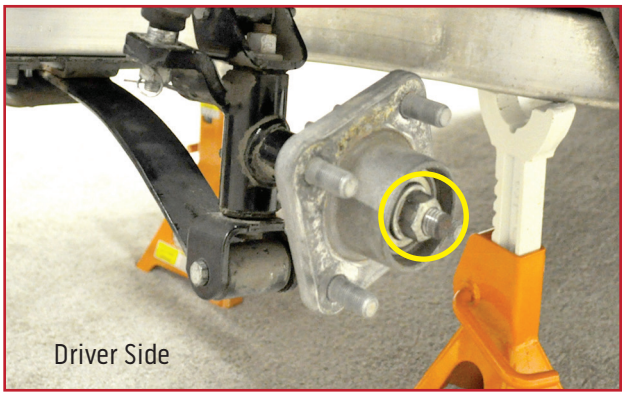
STEP 3

Using a 3/4” Socket remove front wheels.



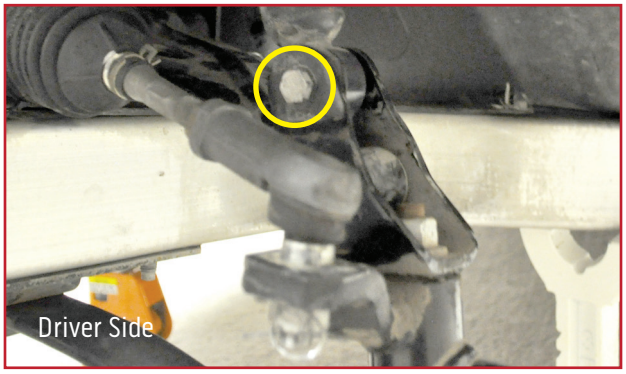
STEP 4

Using a 21mm Socket remove and retain hub and flange nut. Repeat on passenger side.



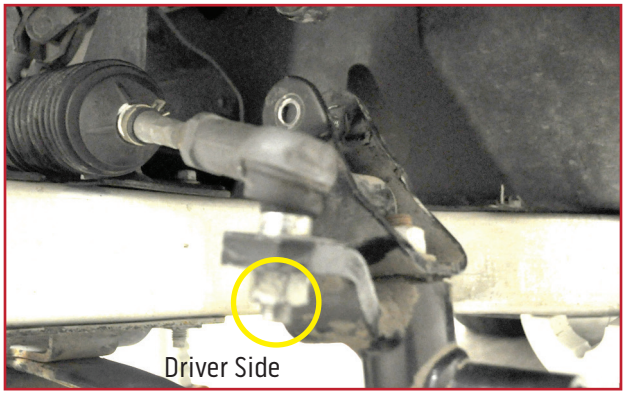
STEP 5

Using a 1/2" Socket remove bolt from shock and discard push shock up and out of the way.



STEP 6

Remove and retain the cotter pin from the tie rod end, using an 18mm Socket and an 11/16" Wrench. Remove nut from tie rod.



STEP 7

Using 1/2" Socket remove factory spindle by removing bolts as shown in picture.



STEP 8

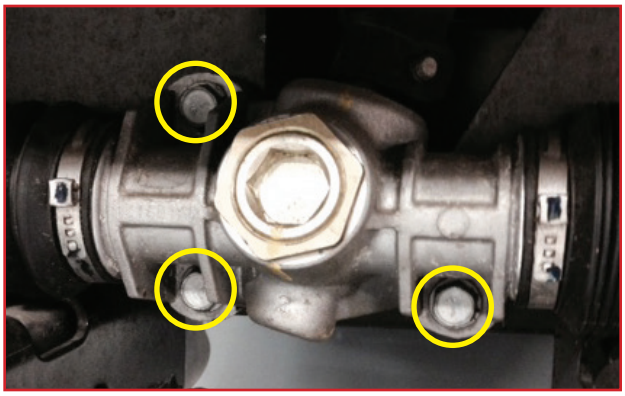
Using a 1/2" Socket remove spring plate and leaf spring. Retain spring plate, discard hardware and spring.



STEP 9

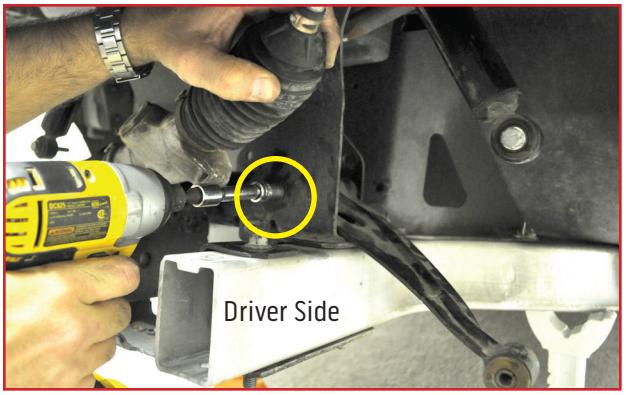
Using a 1/2" Socket remove 3 bolts securing rack and pinion. Retain hardware.

Note: You will not completely remove rack and pinion. This step is to gain access to upper A-arm bolts.



STEP 10

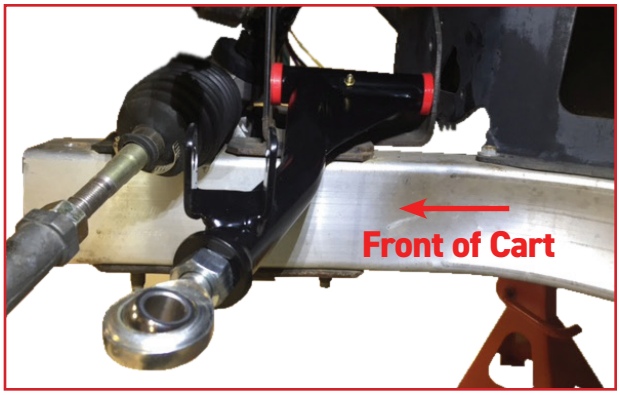
Using a 1/2" Socket remove factory A-Arms. Retain hardware.



Note: Grease all fittings before installing lift on Cart.
(1) each on the upper A-Arms and (2) on each on lower A-Arms

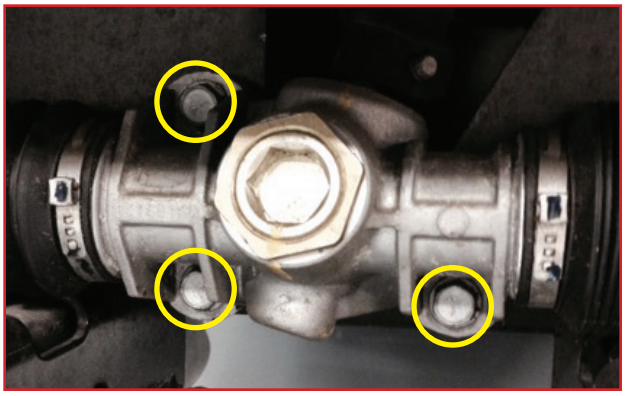
STEP 11

Attach your new upper A-Arm using hardware retained from Step 10. Be sure to tighten hardware.



STEP 12

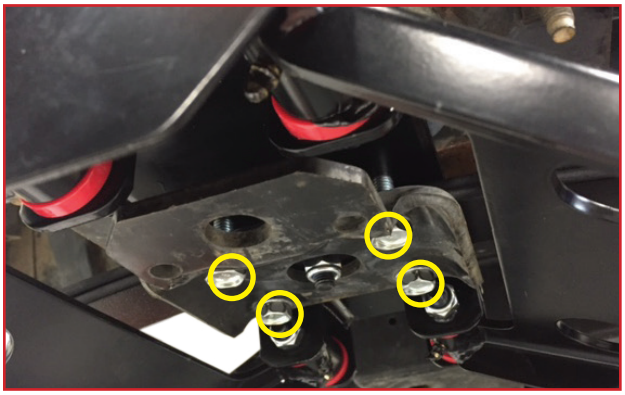
Using hardware retained in Step 9 reattach rack and pinion.



STEP 13

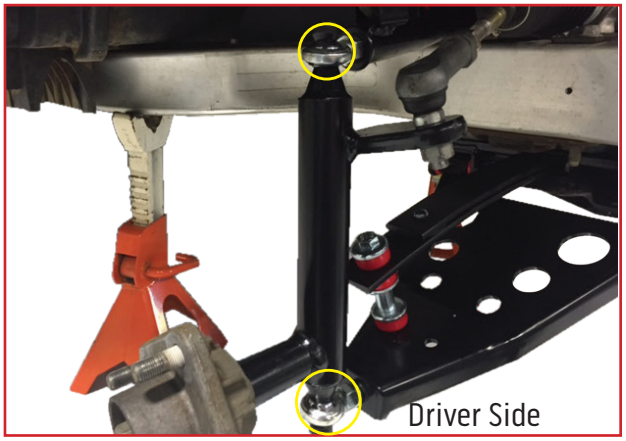
Using spring plate retained from Step 8. Attach your new main suspension assembly. Use the supplied M10x45mm hex bolts to secure to cart.

Note: Use locking adhesive and make sure all bolts are started before tightening.
**** A floor jack is recommended to help hold suspension assembly in place while you get your bolts started.***



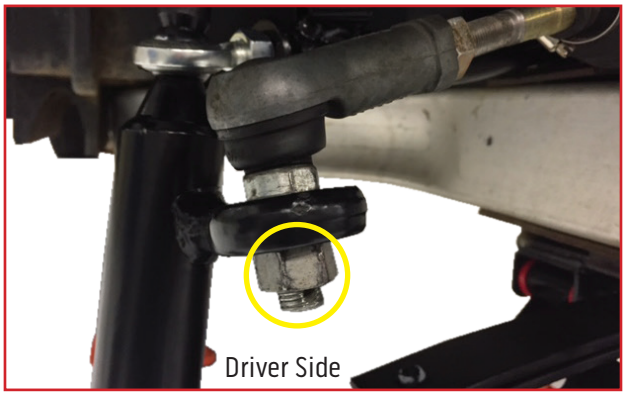
STEP 14

Note: Before attaching spindles, adjust heim joints so there is approximatly 1/4" of thread showing.
Attach Spindles to Main Suspension Assembly and Upper A-Arms using suplied allen head cap screws.
****Do not use thread locking adhesive until alignment is completed at the end of installation.***



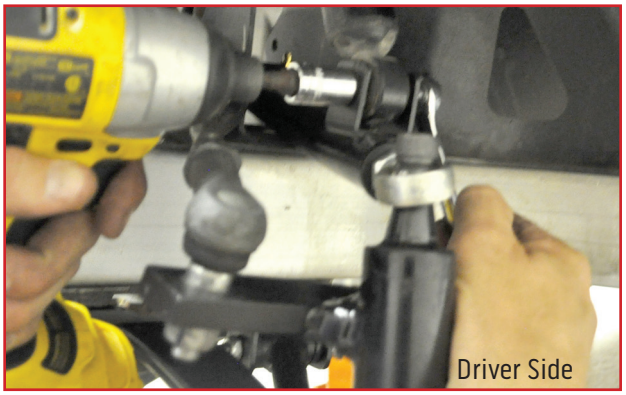
STEP 15

Reattach tie rod to spindles using retained castle nut and cotter pin from step 6.



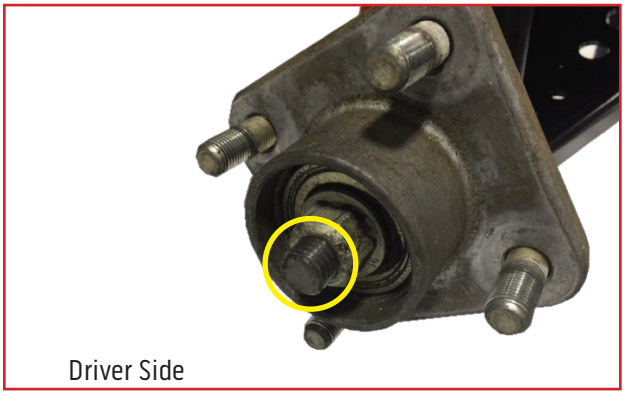
STEP 16

Using a 13mm Socket and Wrench Reattach shock to A-Arm using the two 8x50mm Hex bolt, four 8x15mm flat washers and two 8mm locknut.



STEP 17

Reattach hub using hardware retained from Step 4 and tighten.



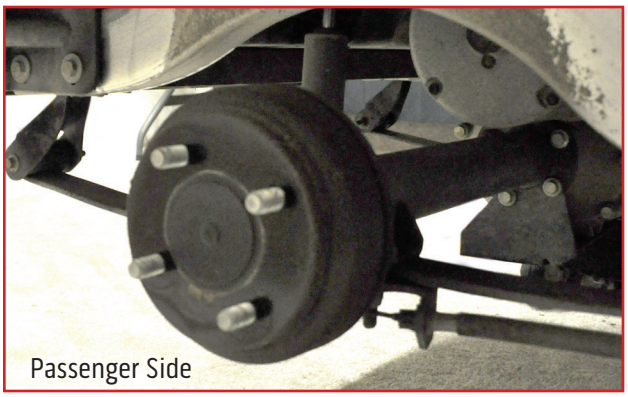
STEP 18

Reinstall bumper using hardware from Step 2. Install new wheels and lower cart.



STEP 19

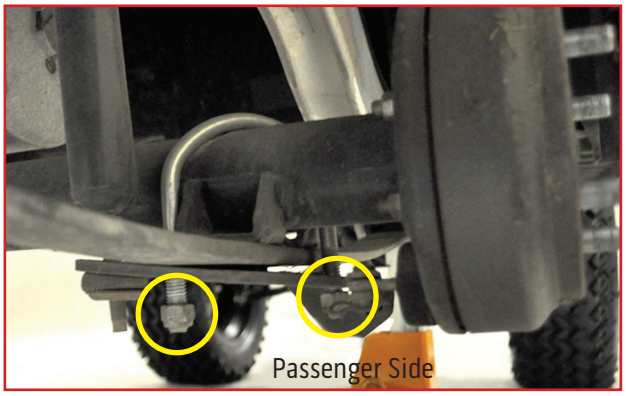
Chock front wheels, then disengage parking brake. Lift rear of cart and support with jack stands under the frame. Remove rear wheels. Leave jack in place under axle and motor assembly.


Passenger Side

STEP 20

Using a 5/8" Socket loosen the U-Bolts on the passenger side.

IMPORTANT: Do not remove the U-Bolts. It's important to do one side at a time to avoid motor roll. Loosening but not removing the U-Bolts will make this easier.


Passenger Side

STEP 21

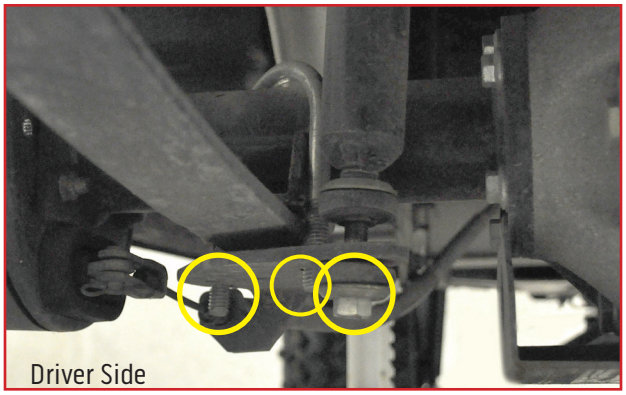
Use jack to raise and lower axle/motor assembly as needed for steps 22-29.

IMPORTANT: Only use jack to keep axle and motor assembly at correct height, do not lift cart.
Note: When rear suspension is not attached to rear motor and axle assembly it will roll forward. Leave jack in place to keep this from happening.



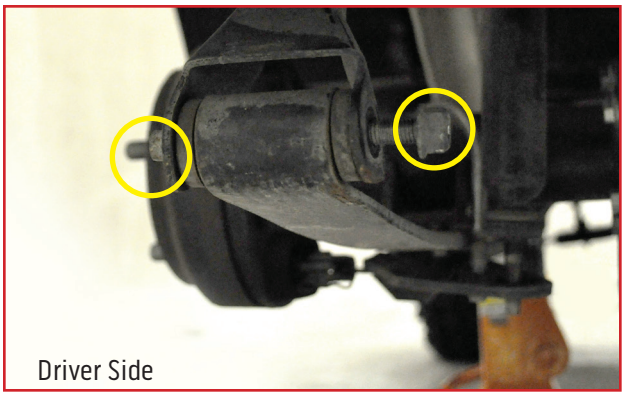
STEP 22

Using a 5/8" Socket remove the driver side U-Bolts. Once the U-Bolts are removed you can remove the lower bushing and shock using a 9/16" Socket. Retain shock hardware. Discard U-Bolts and nuts.


Driver Side

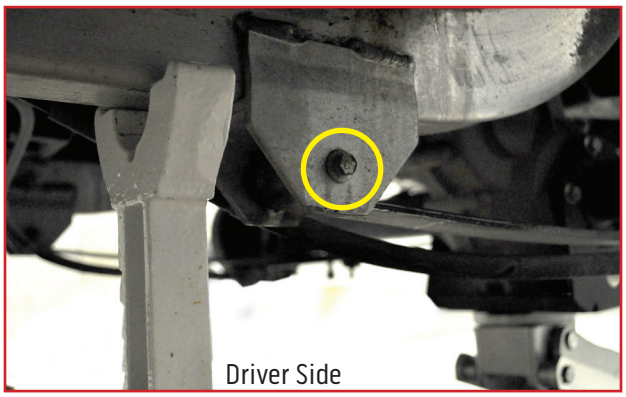
STEP 23

Using a 10mm socket and 13mm wrench remove hardware from rear leaf spring mount. Retain hardware.
* We recommend using the HD Springs when installing your new lift kit. If you use the HD spring we recommend using a 3 inch lift block.
If you do not use the HD spring use the 6 inch lift block provided.
*Check spring bushing for rust and wear. Replace if necessary.



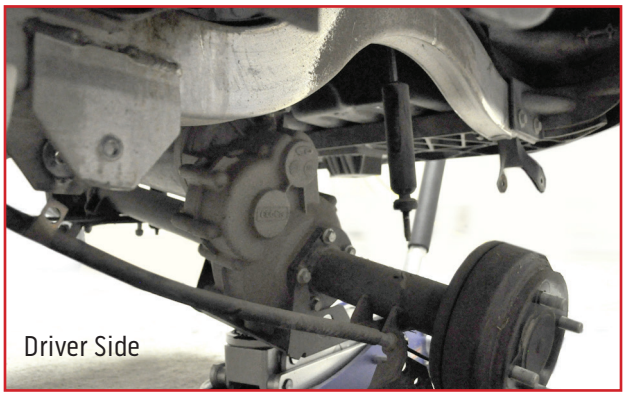
STEP 24

Remove hardware from front leaf spring mount. Retain hardware.



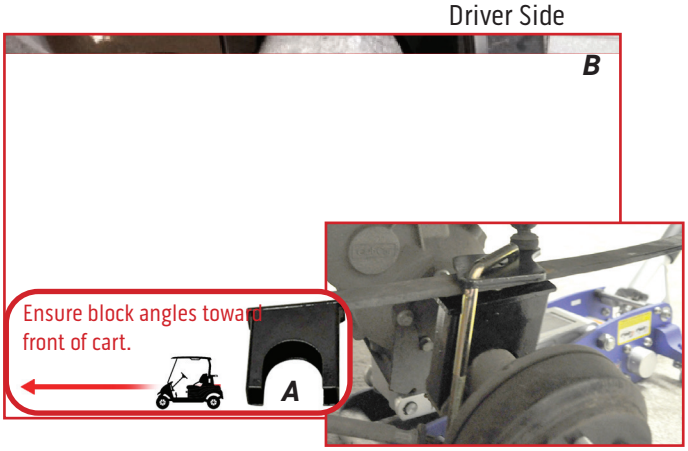
STEP 25

Use jack to lower axle and motor assembly. Reinstall leaf spring on top of axle using hardware retained from Steps 23 and 24.



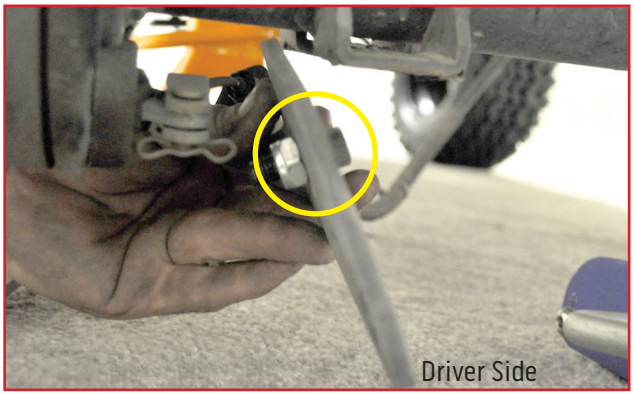
STEP 26

Place Rear Lift Block under leaf spring.
A. IMPORTANT: Ensure that top of lift block angles down toward the front of cart.
B. Place Rear Shock Mounting Plate over leaf spring and attach shock to mount plate.



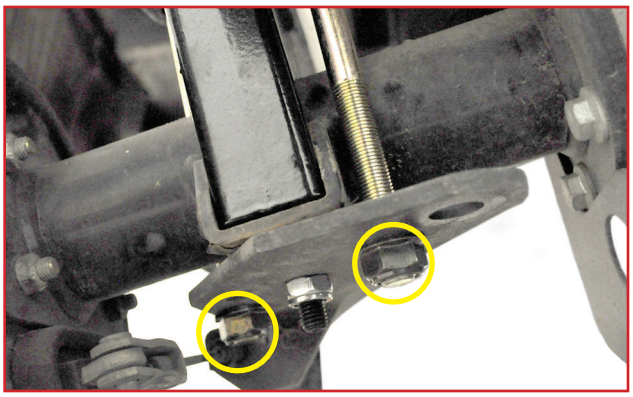
STEP 27

Using 6mm Allen Wrench and 13mm Wrench attach bolt from hardware pack through the factory lower bracket as shown. This bolt does not serve as a fastener, its only purpose is to provide the proper placement of the bracket under axle. Tighten hardware.



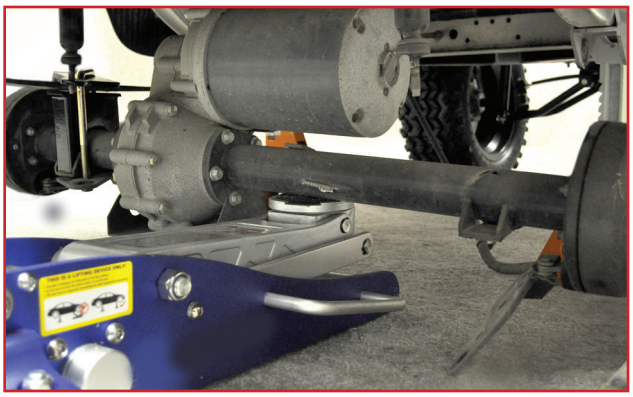
STEP 28

Route U-Bolt through Shock mounting plate around axle and through factory lower bracket making sure alignment bolt attached in step 27 fits properly in axle. Using a 17mm socket tighten U-Bolt evenly to ensure proper alignment.

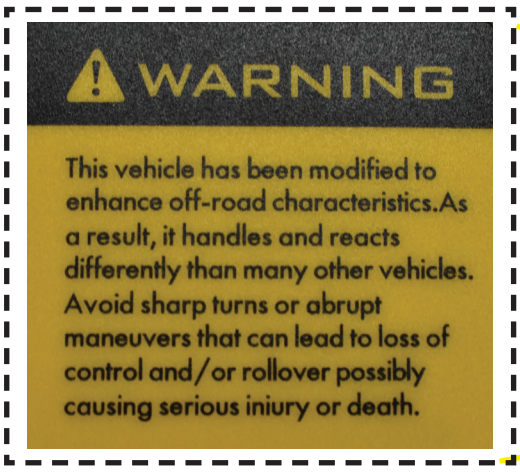


STEP 29

Repeat steps 22-28 on passenger side, use jack to lower axle and motor assembly as needed.
Once complete, install wheels, lower cart and proceed with alignment as shown on next page.



PLACE STICKER ON CENTER ACCESS PANEL OR IN PLAIN SIGHT OF DRIVER AND PASSENGERS





ALIGNMENT INSTRUCTIONS

WARNING:

After installing this lift kit, the front wheels must be properly aligned. Failure to properly align the front wheels may result in decreased ability to control the Golf Cart which may result in a rollover or crash.

IMPORTANT: Both Camber and Toe must be adjusted on this model.

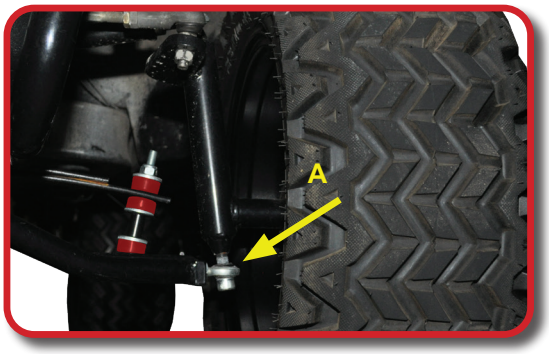
To adjust for proper camber, use a framing square, level, or some other means of verifying that the tire is at a 90 degree angle to the ground.

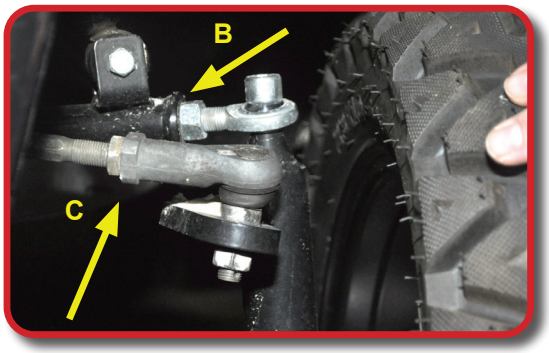
Adjust camber using the two nuts on the bottom heim joint using a 15/16" wrench (A).

If adjusting the camber to 90 degrees is not possible using only the adjustment on the bottom heim joint, then the top heim joint (B) must be disconnected from the spindle and rotated as necessary to achieve the correct camber.

IMPORTANT: Exposed tie rod threading should be equal on both tie rods. Be sure to retighten all adjustment points after adjustments are made.

***Use thread locking adhesive on heim joints once desired camber is achieved on all members of a spindle/ Heim joints. Torque the upper/lower Heim joint bolts to 35FTlbs.**





Ensure the wheels are pointing straight forward. To adjust Toe, find a common point to measure from on the inside front and inside rear of the front tires. Adjust until the front measurement is 1/4" to 3/8" greater than the rear measurement.

Loosen nut on tie rod end (C) and adjust using a 15/16" and/ or adjustable wrench. Tighen nut on rod end when complete.

IMPORTANT: Ensure that after this adjustment, both wheels toe out from the cart's centerline equally.

Once tightened, roll the cart back 15-20 feet and then forward again to check. Check measurement readjust if necessary. ****Remember to Re-Torque Hardware****



NOTE: After the first hour of drive time, re-check all lift kit components and alignment. Regrease the fittings, check the alignment and ensure all lift kit hardware is secured for safety after 50 hours of recurring use.

INSTALLATION COMPLETE