

**PART# 18144**



## **6 INCH A-ARM LIFT KIT**

**WILL FIT YAMAHA® DRIVE®**

### **INSTALLATION INSTRUCTIONS**

#### **INCLUDED:**



Main Bracket



Tie Rod Extensions



Shock Mount Brackets



Stiffener Bracket



Rear Bracket



Sway Bar Bracket

## **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.

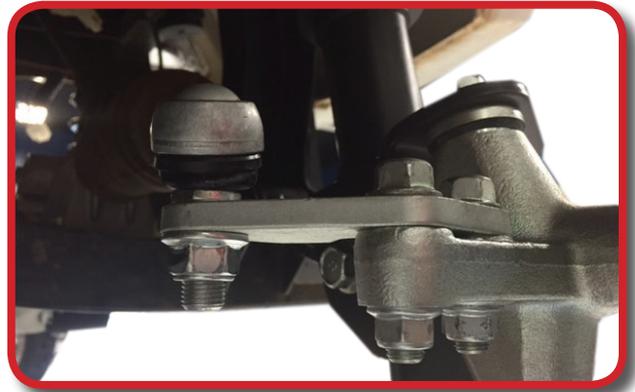
**1**  
Engage parking brake and switch cart to "off"  
Also make sure Tow/Run switch is in Tow  
Position. Raise cart with jack, support with jack  
stands under frame. Remove front bumper.  
Retain hardware.



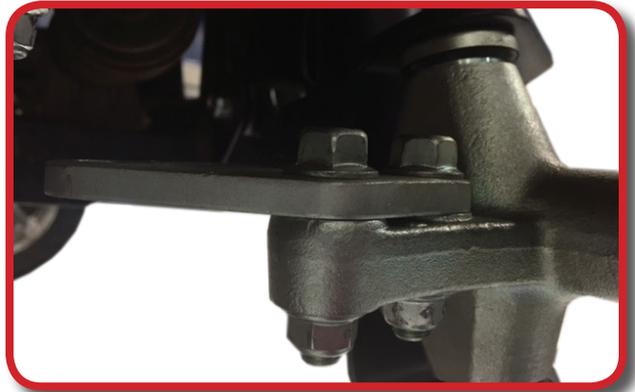
**2**  
Use 19mm socket remove front wheels and then  
remove dust cover, cotter pin, and hub. Retain  
hardware.



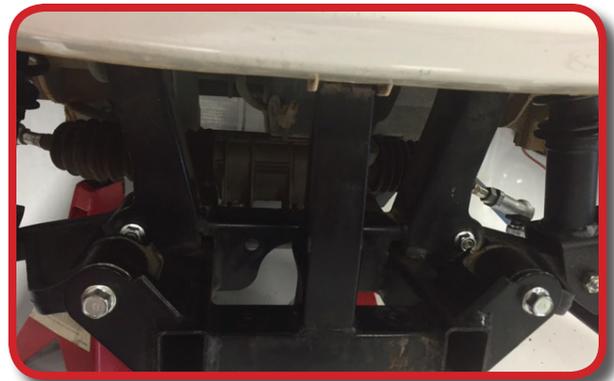
3  
Using a 17mm socket and 11/16 wrench. Disconnect steering linkage by removing cotter pin and castle nut. Separate ball joint from spindle. Retain hardware.



4  
Remove tie rod mount from factory spindle. DO NOT retain mount or hardware.



5  
Using 14mm wrench and socket, remove bolts from control arms and retain all.



6  
Using 14mm wrench and socket remove upper bolts from shock to remove control arm assembly. Retain all.



# 7

Place shock mount bracket over upper frame as shown. Repeat process on other side.



# 8

Using two 10mm x 85mm bolts and two 10mm x 25mm bolts attach stiffener bracket across upper frame to shock mount bracket as shown. DO NOT tighten hardware until after step 11.



# 9

Attach main bracket to factory control arm mounts using hardware from step?



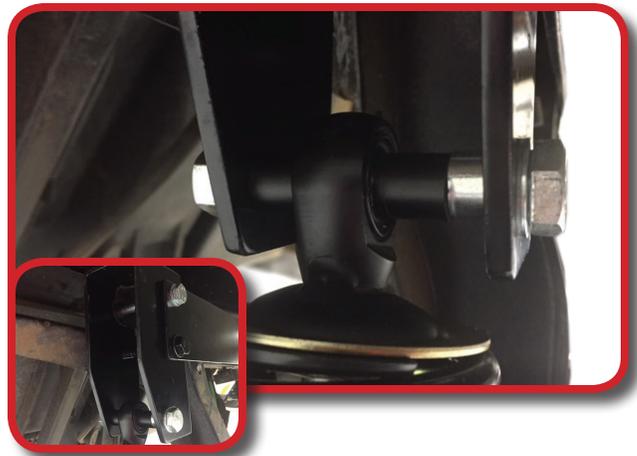
# 10

Using the 10mm x 80mm bolts attach factory control arm assembly to main bracket and tighten.



# 11

Attach shock to shock mounting bracket using remaining 10mm x 85mm bolts. Tighten all hardware on shock bracket and stiffener.



# 12

A) Using 10mm x 55mm bolts attach tie rod extensions to factory spindles.  
B) Using Hardware retained from STEP ? attach steering rack to tie rod extension. Tighten all hardware.



# 13

Chock front wheels. Lift cart and place on jack stands to secure cart. Leave jack in place to assist with reassembly installation. Using 19mm socket, remove rear wheels.



# 14

Remove motor cover and retain.



# 15

Using 14mm socket and wrench remove upper bolt from rear shocks on both sides. Retain hardware.



# 16

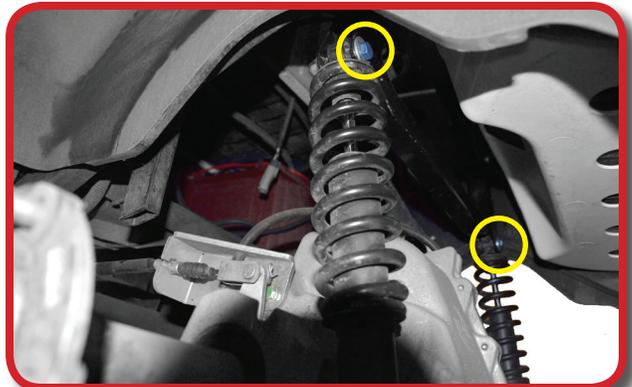
Using 14mm socket and wrench to attach Rear Mounting Bracket with retained hardware from step 15.

**IMPORTANT:** Be sure the ends of the bracket are angled towards the front of the cart. See picture.



# 17

Using 17mm socket and wrench attach upper portion of rear shock to rear mounting bracket using supplied hardware and tighten.



# 18

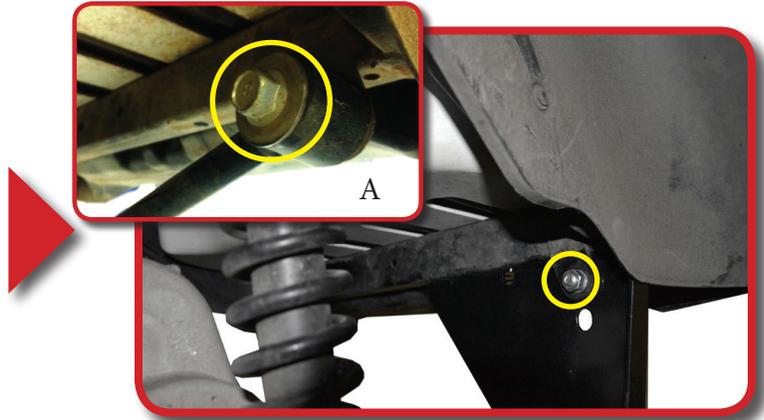
Use 10mm socket to remove bolt from bagwell. Drill 7/16 hole through the bagwell in the location shown.

**IMPORTANT:** Be sure to drill straight down through entire frame.



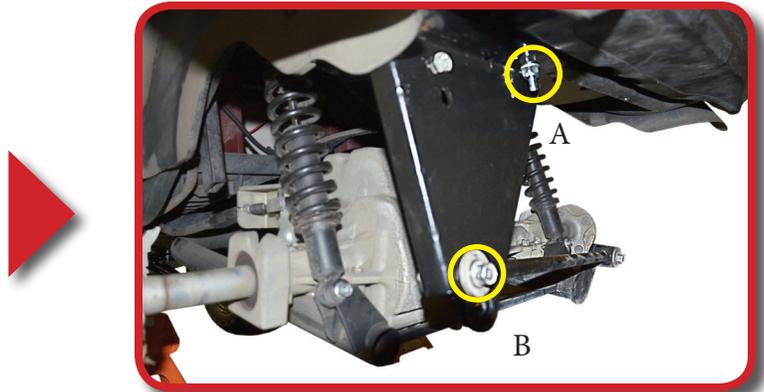
# 19

(A) Using 17mm wrench and socket remove factory bolt at sway bar.  
(B) Now attach new sway bar bracket using 10x25mm hardware provided. Do not tighten.



# 20

(A) Using supplied 10x90mm bolt. Insert through 7/16 hole drilled in bagwell and secure new sway bar bracket.  
(B) Attach sway bar to new bracket as shown using retained hardware using 17mm socket and wrench tighten all hardware.



# 21

Side skirt must be trimmed to accept larger wheels and tires. See Pic.



# 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 (B).

If adjusting the camber to 90 degrees is not possible using only the adjustment on the bottom heim joint, then the top heim joint (C) 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.

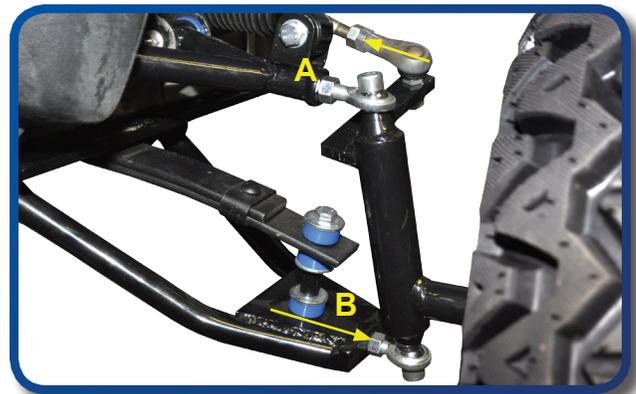
**\*Use thread locking adhesive on heim joints once desired camber is achieved.**

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 (A) and adjust using a wrench. Tighten 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 5-20 feet and then forward again to check.



## INSTALLATION COMPLETE