6" SUPER HEAVY DUTY LIFT KIT

INSTALLATION INSTRUCTIONS

Fits Yamaha® Drive & Drive2

PART# 60-301-KP

Front Suspension

Front Spindles

Front Shocks

Front U-Bolts

Warning Label

Upper A-Arms

Rear Goalpost

Sway Bar Bracket

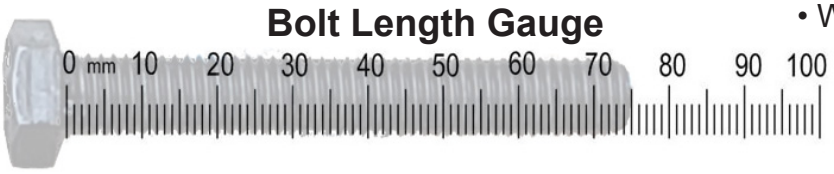
TOOLS NEEDED

- 21mm socket
- 19mm socket
- 18mm socket
- 17mm socket
- 14mm socket
- 13mm socket
- 10mm socket
- Rotary Cutting Tool
- 18mm wrench
- 17mm wrench
- 14mm wrench
- 13mm wrench
- 12mm wrench
- 10mm wrench
- Adjustable Wrench
- 7/16" Drill Bit
- Cordless Drill (optional)

PARTS LIST

- Front Suspension
- Front Spindles
- Upper A-Arms
- Rear Goalpost
- Front Shocks
- Front U-Bolts
- Sway Bar Bracket
- Hardware Pack
- Warning Label

Bolt Length Gauge



November 2021

STEP 1

Switch key to the OFF position and engage the Parking brake. Chock rear wheels.

Place TOW/RUN switch to TOW.

Before lifting cart, remove factory wheel covers and break loose lug nuts with a 19mm socket.

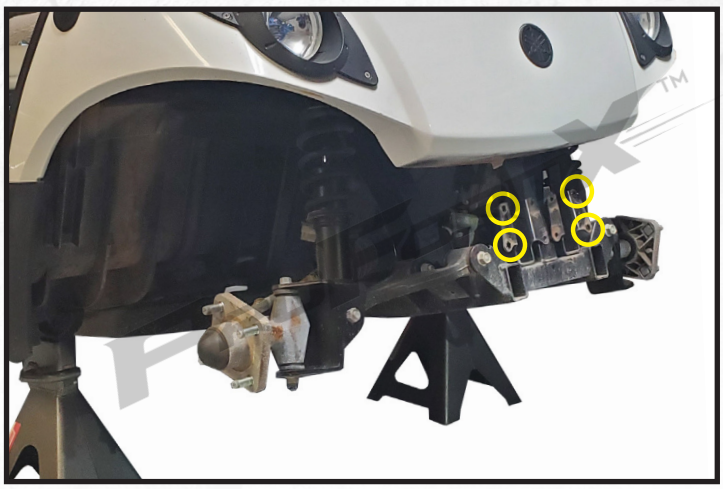
OEM PARTS REMOVAL

STEP 2

Lift front of cart and place jack stands under frame as shown.

Remove front bumper by taking out the four bolts marked with a 10mm socket. Retain bumper and hardware.

Remove front wheels.

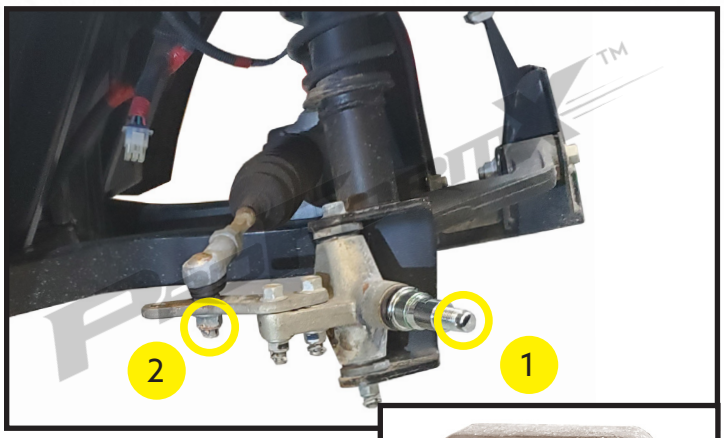


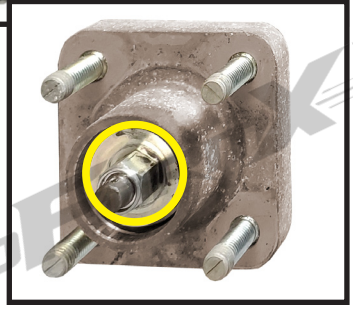
STEP 3

1) Remove dust cap and cotter pin from hub. Then remove wheel hub using a 19mm socket

2) Remove cotter pin from tie rod and use a 17mm wrench and socket to remove steering rack from spindle tie rod.

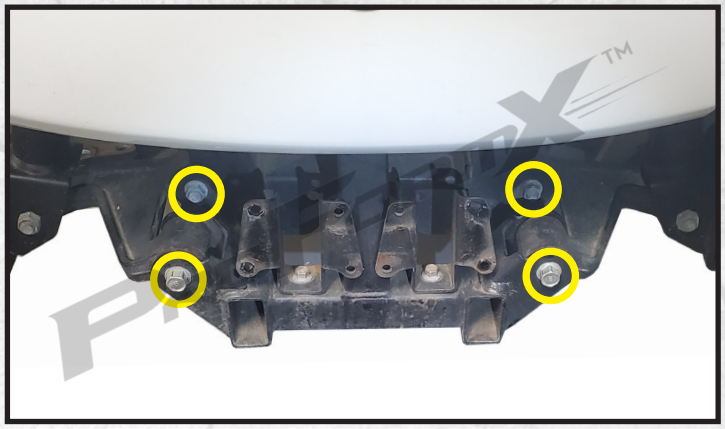
Retain all parts and repeat on driver's side.





STEP 4

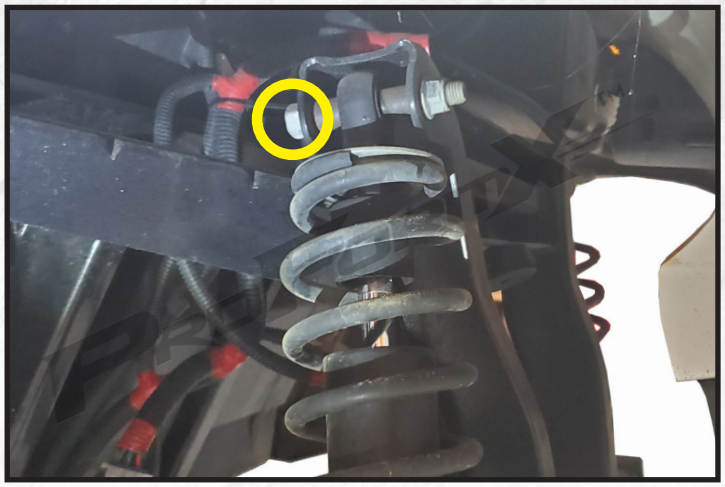
Using a 14mm wrench and socket, remove and retain the factory A-arm bolts shown.



STEP 5

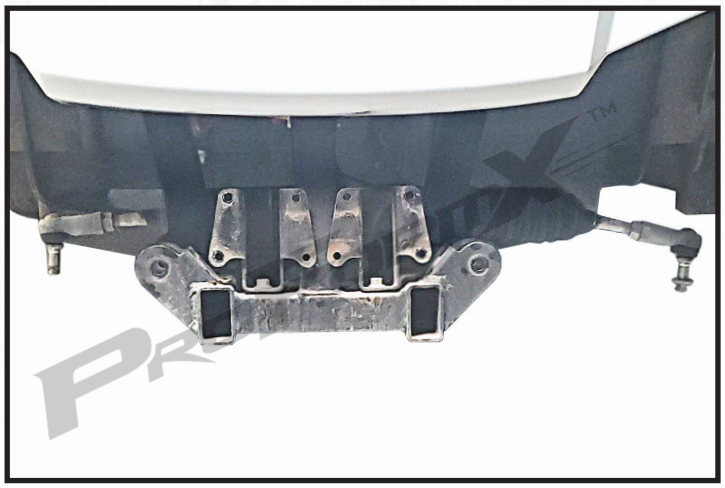
Remove and retain the upper shock bolts using a 14mm wrench and socket.

Caution: *Once upper shock bolts are removed, front suspension will be loose and free to drop.*



STEP 6

The only item remaining should be the steering rack as shown.



FRONT LIFT INSTALL

STEP 7

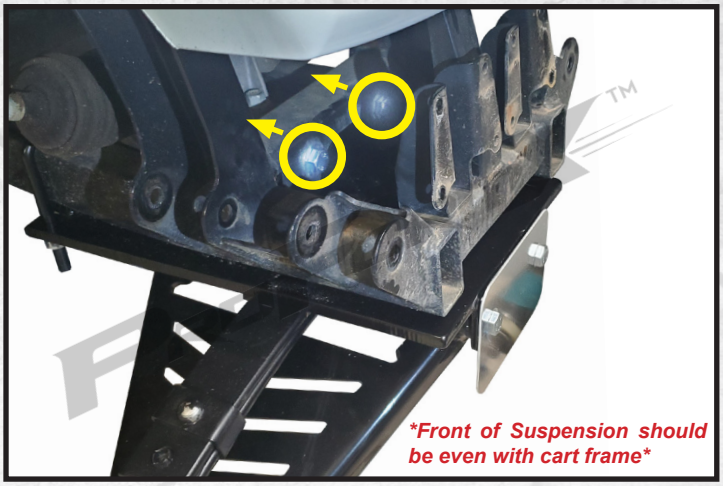
Using the supplied U-bolts and hardware, attach the Front Suspension to the frame as shown.

Note: Do **NOT** fully tighten bolts until after next step.

STEP 8

Using the supplied 10mm x 25mm bolts and washers, secure the two uprights of the Suspension to the frame. Tighten U-bolts and bolts using a 17mm wrench/ socket.

Note: The two upright mounting tabs of the Suspension should go behind the crossframe as shown.

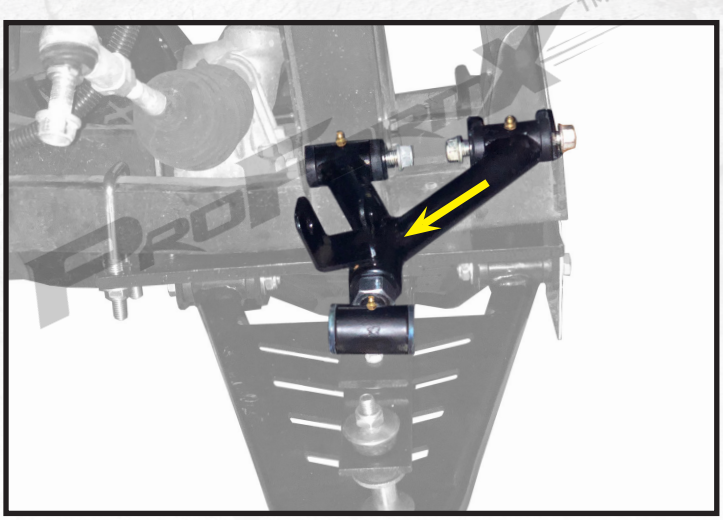


STEP 9

Using the retained bolts from STEP 4, attach the new Upper A-Arms to the factory a-arm mounting locations. Use a rubber mallet if needed to guide the A-Arm into place.

Note: The A-Arms should offset to the rear of the cart as shown.

Important: *Now is good time to grease the A-Arm zerk fittings.*

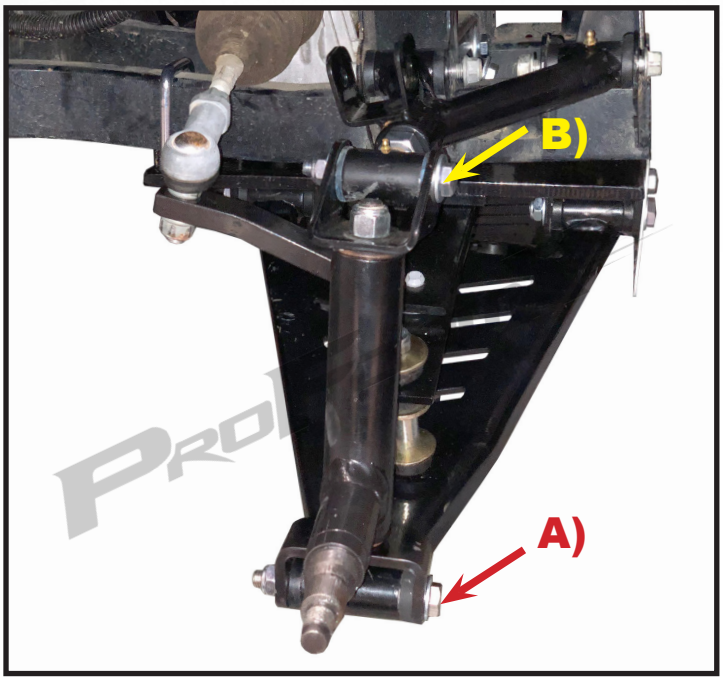


STEP 10

A) Attach Spindle to the lower A-Arm using the supplied 10x100mm bolt using a 16mm socket and 17mm wrench.

B) Attach the Spindle to the upper A-Arm using the supplied 10mm x 75mm bolt and hardware. Tighten both bolts with a 16mm socket and 17mm wrench.

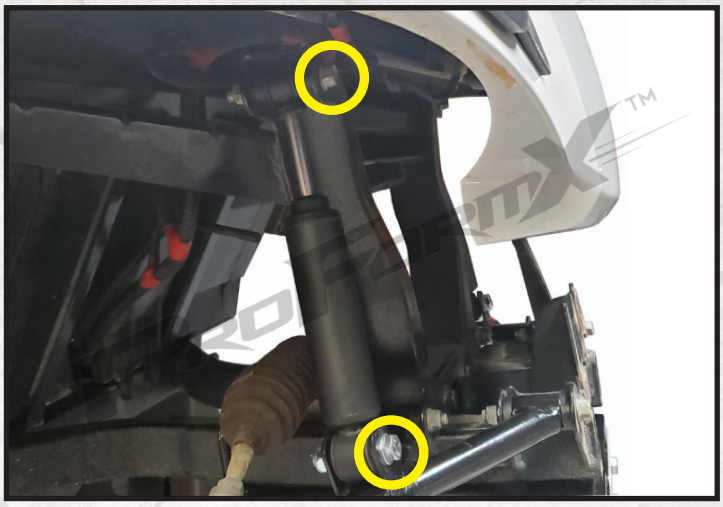
Repeat on passenger side.



STEP 11

Using the retained hardware from STEP 5, attach the new Shocks to the upper shock mounts with pistons facing up as shown.

Then attach lower shock mount to the Upper A-Arm mount using the 10mm x 55mm bolts and hardware. Tighten with a 16mm socket and 17mm wrench. Repeat on opposite side.

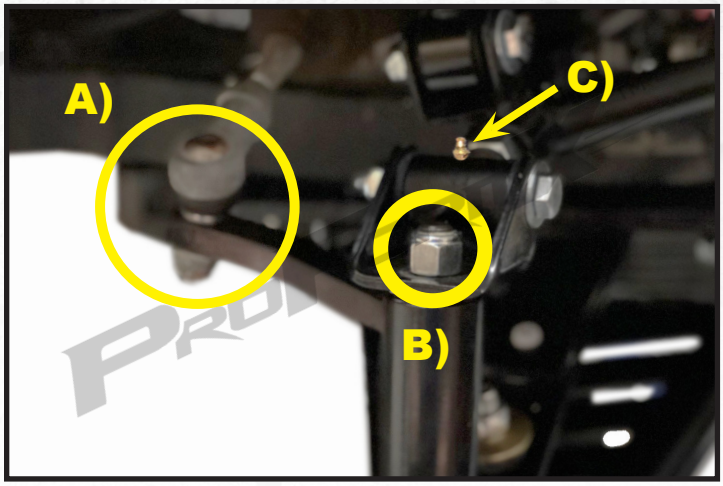


STEP 12

A) Attach the steering rack tie rod to Spindle arms using the retained hardware from STEP 3.

B) Using a 19mm socket, tighten King bolt nut on top of Spindle until there is 3-4 visible threads as shown.

C) You can now grease the second A-Arm fitting highlighted and lower A-Arm fitting located under Spindle.



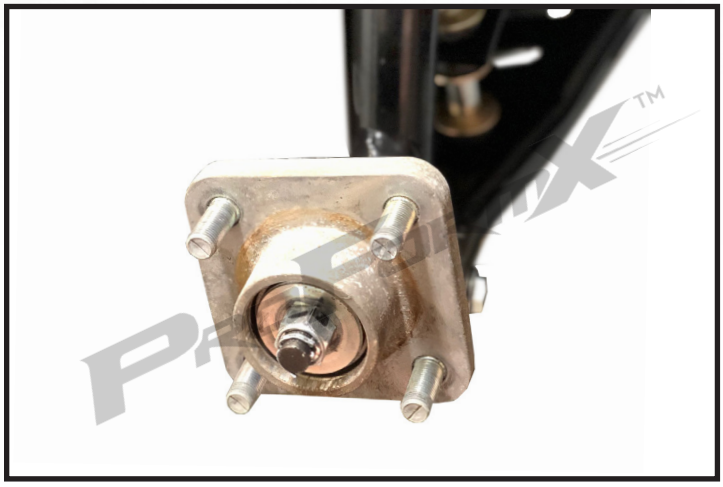
STEP 13

Install factory wheel hubs to Spindles using retained nut from STEP 3. Tighten all the way, then back nut off quarter to half a turn so hub spins freely.

Then reattach cotter pin and dust caps retained from STEP 3.

You can now install your new front tires/ wheels using **12mm** Lug Nuts and remove jack stands.

Note: We recommend 22-23" tires and 12-14" Wheels for proper clearance.



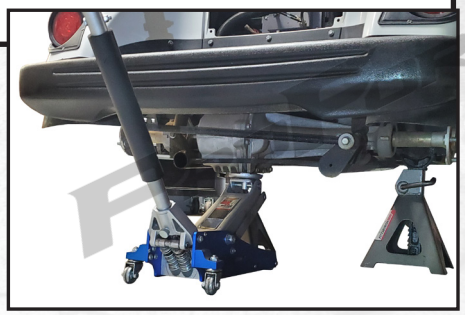
REAR LIFT INSTALL

STEP 14

Disengage parking brake and chock front wheels. Use a floor jack under rear end to lift rear of cart up and place jack stands under frame.

Remove rear tires using a 19mm socket.

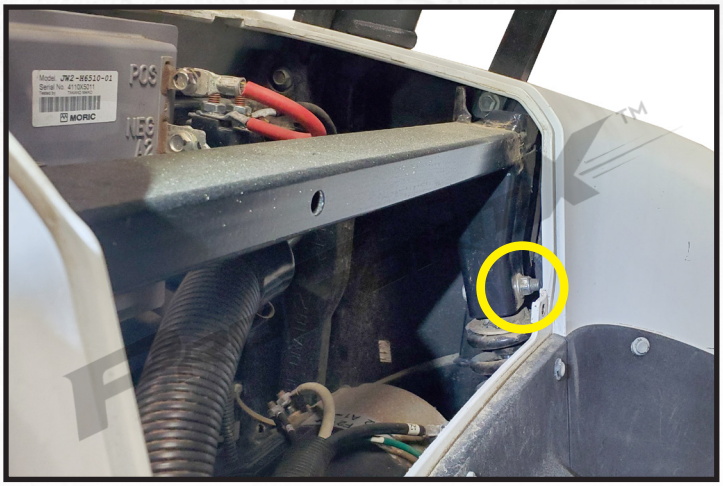
Note: Leave floor jack under rear end to support weight during install.



STEP 15

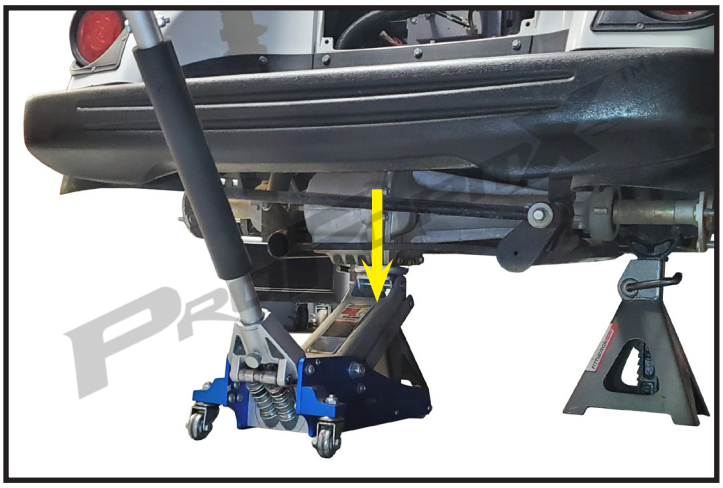
Remove motor cover by taking out the two plastic factory rivets at bottom corners. Retain all.

Using a 14mm socket and wrench remove upper bolts from shock mounts as shown. Retain bolts. (Passenger side shown in picture)



STEP 16

With shock bolts free, carefully lower rear end to allow enough room for Rear Goalpost to fit between top of shocks and shock mount from previous step.

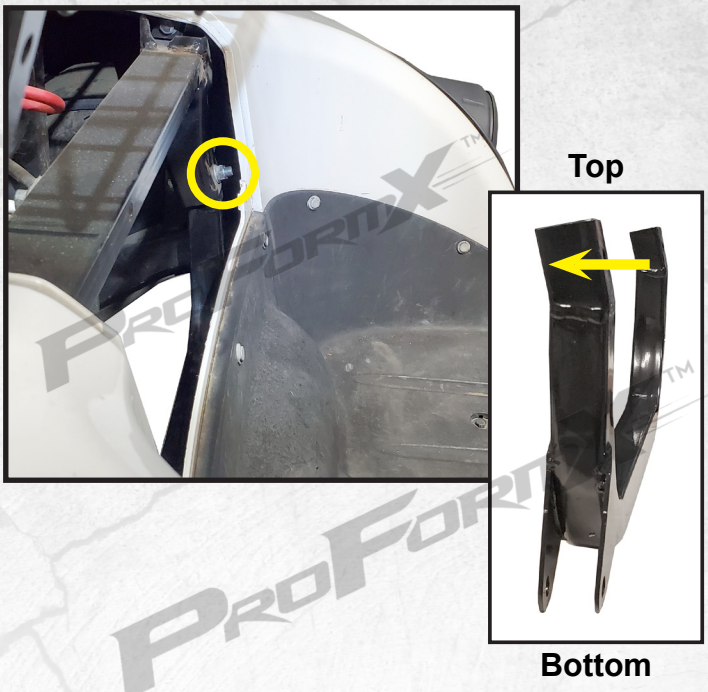


STEP 17

Insert Rear Goalpost into upper shock mounts with the angled end pointing towards the front of cart as shown.

A rubber mallet may be needed to guide Goalpost into factory mounts.

Using bolts from STEP 15, secure Goalpost. Only hand tighten bolts until after next step.

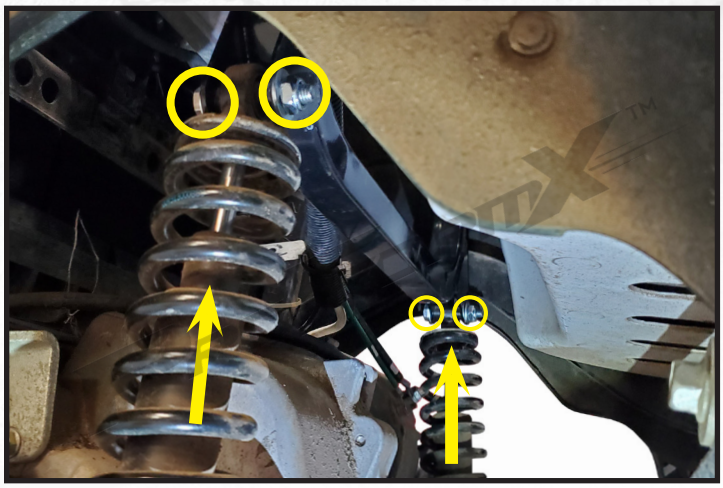


STEP 18

Using the floor jack, lift rear end up and guide factory shocks into new Rear Goalpost mounts.

Secure shocks using the supplied 10mm x 55mm bolts as shown with a 16mm socket and 17mm wrench.

Tighten bolts from step 17 using a 14mm socket and wrench.



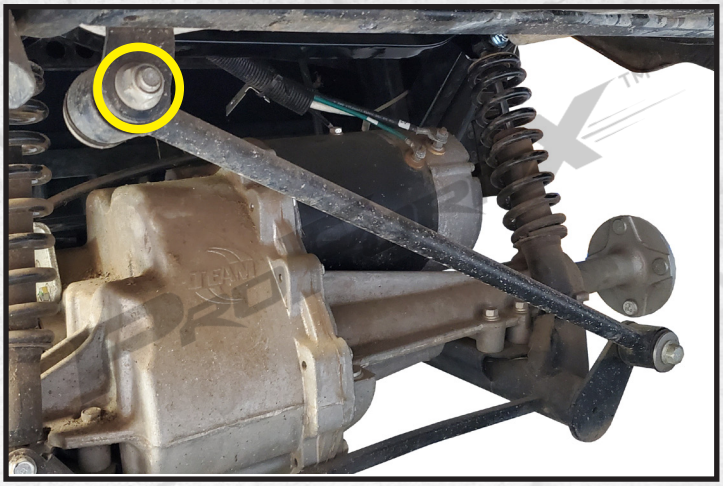
STEP 19

Remove factory bagwell bolt shown with a 10mm socket, discard bolt.

With bolt removed, drill out existing hole with 7/16” drill bit through frame.

STEP 20

Remove factory sway bar bolt from frame mount using a 17mm wrench and socket, keep bolt and nut for next STEP.



STEP 21

Attach new Sway Bar Bracket to the frame mount using the supplied 12mm x 35mm Bolt and hardware. Use a 18mm wrench and 19mm socket to secure in place.

Do NOT fully tighten until after STEP 24.

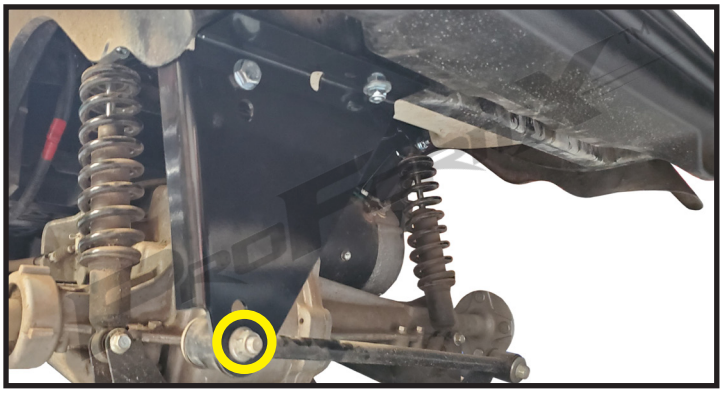
STEP 22

Attach top of Sway Bar Bracket to the frame and bagwell using the supplied 10mm x 90mm Bolt and hardware as shown. Tighten with a 16mm socket and a 17mm wrench.

STEP 23

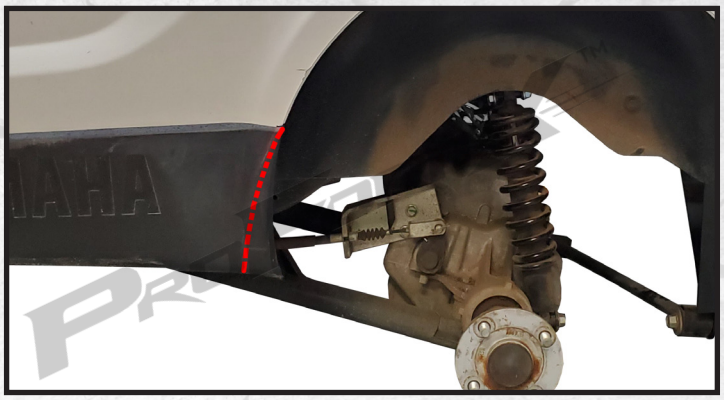
Using the hardware from STEP 20, attach sway bar to the bottom hole of the Sway Bar Bracket.

Tighten with a 17mm wrench & socket.



STEP 24

Due to clearance issues with larger wheels/tires you will need to trim the rear of each side skirt.



Follow the curvature of the fender well and mark a cut line as shown.

Using a rotary cutting tool trim off the pointed bottom corner and use sand paper to clean the edges.

You can now install new rear tires/ wheels using 12mm lug nuts.

STEP 25

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.

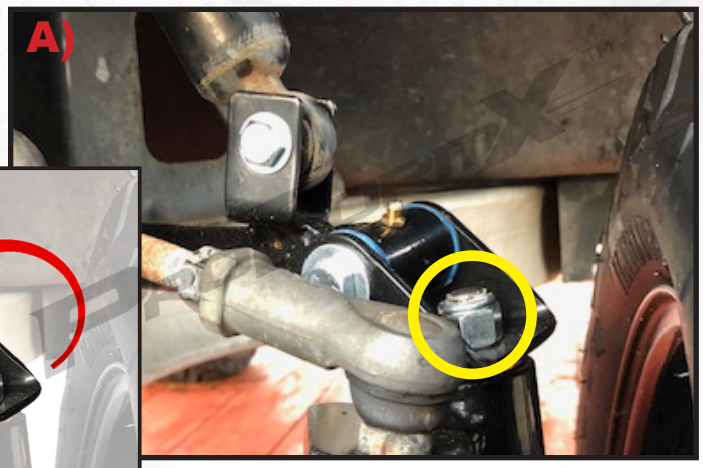
IMPORTANT: Both camber and toe must be adjusted on this model.

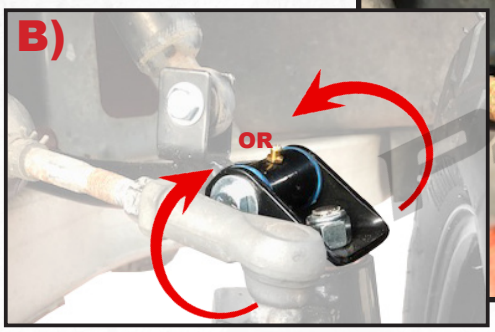
To adjust for proper camber, use a framing square, level, or some other means of verifying that the tire is at a 90 degree angle to the ground.

A) Using a 19mm socket, temporarily remove kingpin nut to adjust camber.

B) To achieve proper 90 degree camber, adjust upper A-Arm shackle in or out as needed.

IMPORTANT: Be sure to retighten the Kingpin Nut and Jam Nut on A-arm when finished.



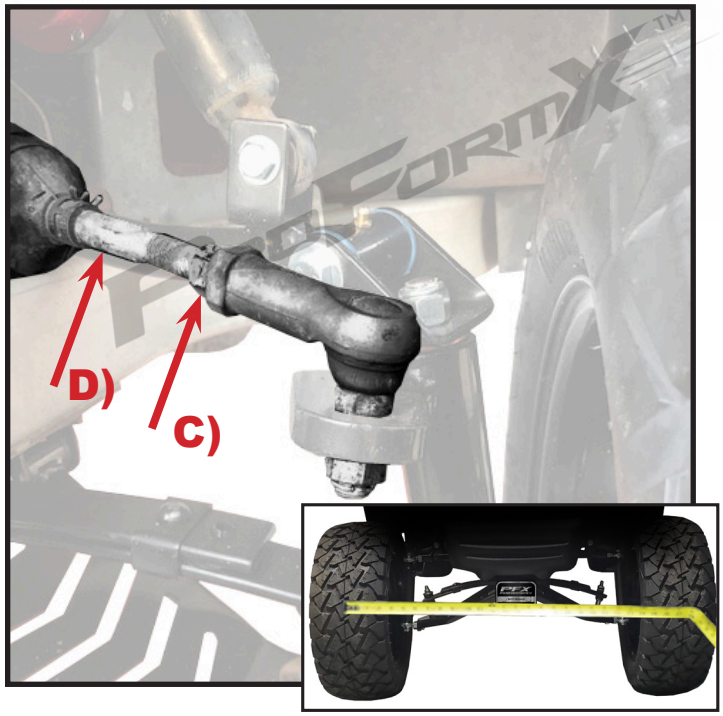


Ensure the wheels are pointing straight forward. To adjust toe, find a common point to measure from the inside front and inside rear of the front tires. Adjust until the front measurement is 1/4” greater than the rear measurement.

Loosen nut on tie rod end **(C)** and adjust steering rack **(D)** in or out as needed for proper alignment. 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, test drive and re-check tow and camber measurements again.



STEP 26

Warning label included with this kit must be installed and displayed in plain view of the vehicle operator.

WARNING

THIS VEHICLE CAN BE HAZARDOUS TO OPERATE. A collision or rollover can occur quickly, even during routine maneuvers such as turning and driving on hills or over obstacles, if you fail to take proper precautions.

SEVERE INJURY OR DEATH can result if you do not follow these instructions:
This multipurpose vehicle has special design and equipment features for off-road use. As a result, it handles differently than many other vehicles.
Sharp turning and abrupt maneuvers can cause loss of control possibly leading to rollover or other accidents causing severe injury or death.

- NEVER OPERATE THIS VEHICLE ON PUBLIC ROADS. You can collide with another vehicle if you operate this vehicle on a public road.
- ALWAYS WEAR AN APPROVED HELMET, and protective clothing.
- NEVER CONSUME ALCOHOL OR DRUGS before or while operating this vehicle.
- NEVER OPERATE THIS VEHICLE AT EXCESSIVE SPEEDS. You increase your risk of losing control if you operate this vehicle at speeds too fast for the terrain, visibility conditions, or your experience.
- NEVER ATTEMPT WHEELIES, JUMPS OR OTHER STUNTS.

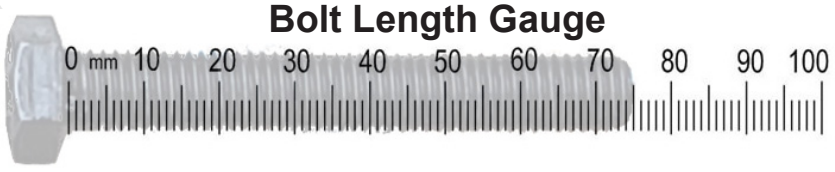
WARNING

HARDWARE LIST DRIVE®

Hardware Pack

- 12mm x 35mm Shoulder Hex Bolt - 1 (*Sway Bar)*
- 12mm x 25mm Flat Washer - 2
- 12mm Anti Slip Nut - 1
- 10mm x 100mm Shoulder Hex Bolt - 2 (*Spindle)*
- 10mm x 75mm Shoulder Hex Bolts - 2 (*Spindle)*
- 10mm x 90mm Shoulder Hex Bolt - 1 (*Rear Bagwell)*
- 10mm x 55mm Shoulder Hex Bolts - 4 (*Shocks) & (Rear Goalpost)*
- 10mm x 25mm Shoulder Hex Bolts - 2 (*Front Uprights)*
- 10mm x 38.5mm x 110mm U-Bolts - 2 (*Front Suspension)*
- 10mm x 25mm Flat Washers - 24
- 10mm Anti Slip Nuts - 13

Bolt Length Gauge



KINGZILLA

SUPER HD LIFTS