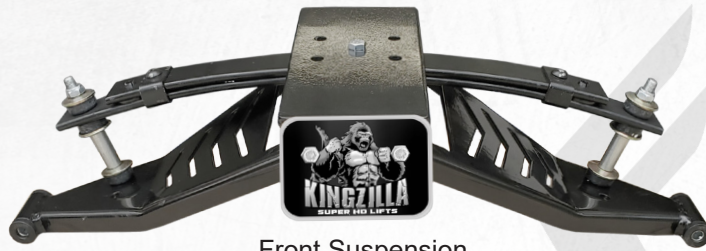




6" SUPER HEAVY DUTY LIFT KIT

INSTALLATION INSTRUCTIONS

Fits Club Car® Precedent®, Onward®, Tempo®



Front Suspension



Upper A-Arms



Warning Label



Front Spindles



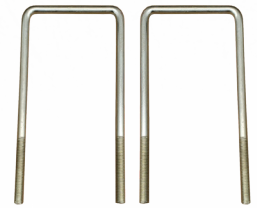
Rear Shock Plates



Rear Lift Blocks



Short Rear Lift Blocks
(for HD springs)



Rear U-Bolts

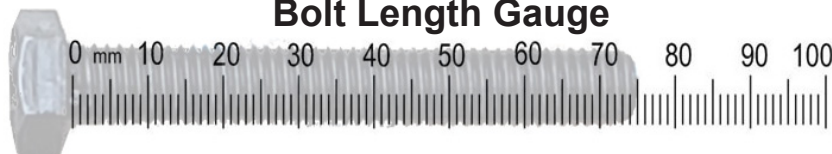
TOOLS NEEDED

- 21mm socket
- 19mm socket
- 18mm socket
- 17mm socket
- 13mm socket
- 10mm socket
- 17mm wrench
- 13mm wrench
- 12mm wrench
- 10mm wrench
- 6mm Allen Wrench
- Cordless Drill (optional)

PARTS LIST

- Front Suspension
- Front Spindles
- Upper A-Arms
- Rear Lift Blocks
- Rear Shock Plates
- Rear U-Bolts
- Warning Label
- Hardware Pack

Bolt Length Gauge



STEP 1

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

Place TOW/RUN switch to TOW.

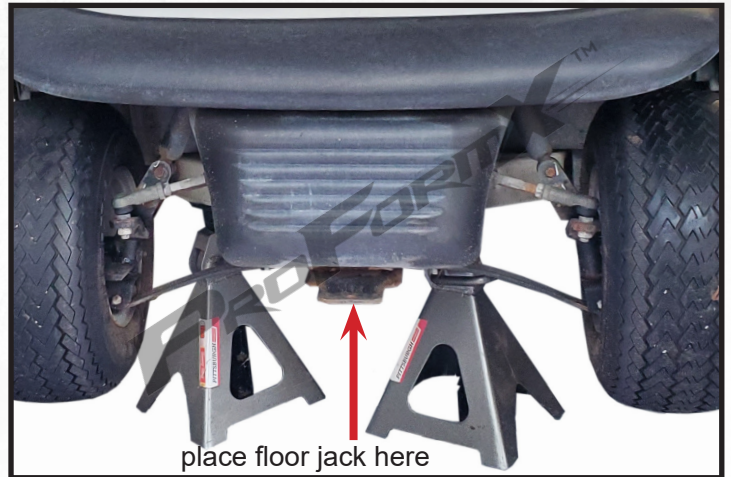


DEM PARTS REMOVAL

STEP 2

***Before lifting front of cart, remove factory wheel covers with a small flat head screw driver and break loose front wheel lug nuts with a 19mm socket.

Using a floor jack, lift front of cart up high enough to allow for new front suspension components and larger tires. Place jack stands under frame rails and after the first bend in frames as shown.



STEP 3

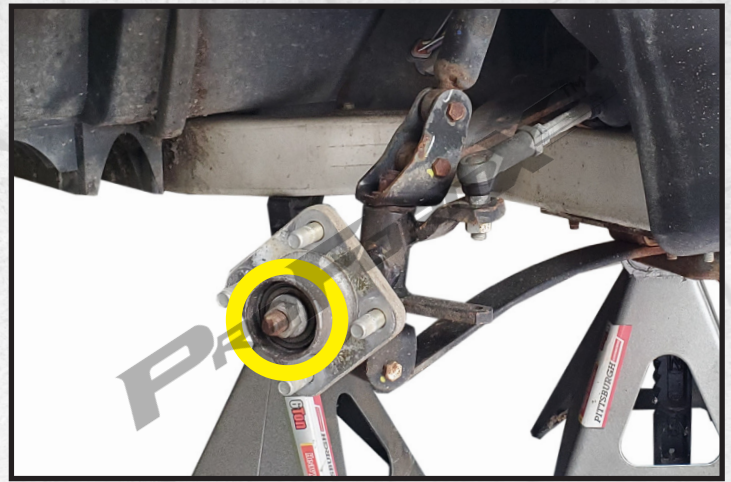
Using a 10mm wrench and a 13mm deep well socket, remove and retain the front bumper. Remove front bolts only as shown.



STEP 4

Using a 19mm socket remove the factory wheels. Do NOT retain, they will not fit the new spindles.

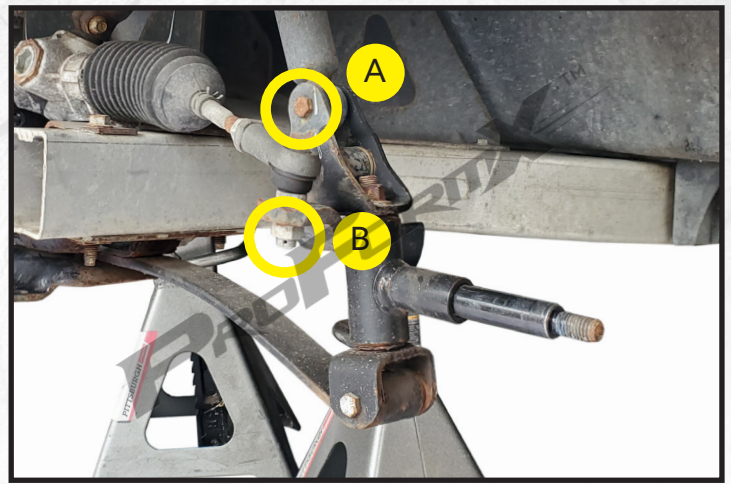
Using a 13/16" socket, remove and retain the front wheel hub and flange nuts shown.



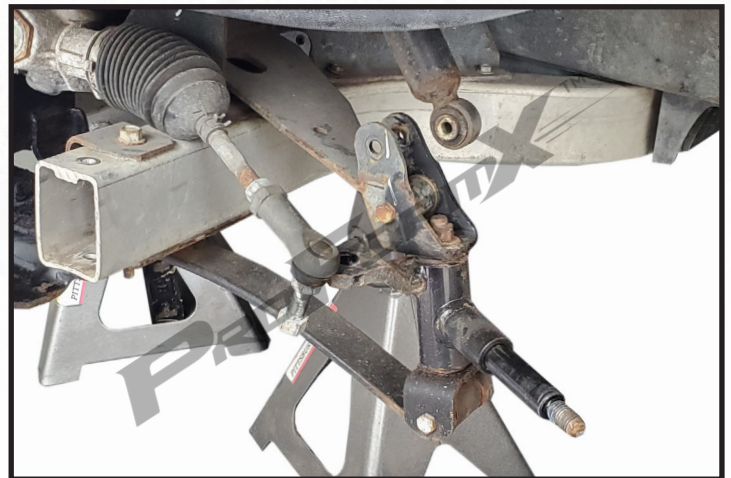
STEP 5

A) Using a 1/2" socket, remove the factory shock from spindle mount. Do NOT retain hardware.

B) Using a 18mm socket remove and retain the nut from the steering link tie rod. Use a 11/16" wrench to hold tie rod in place. Retain nut.



Push both pieces free of factory spindle and repeat STEP 5 on passenger side.



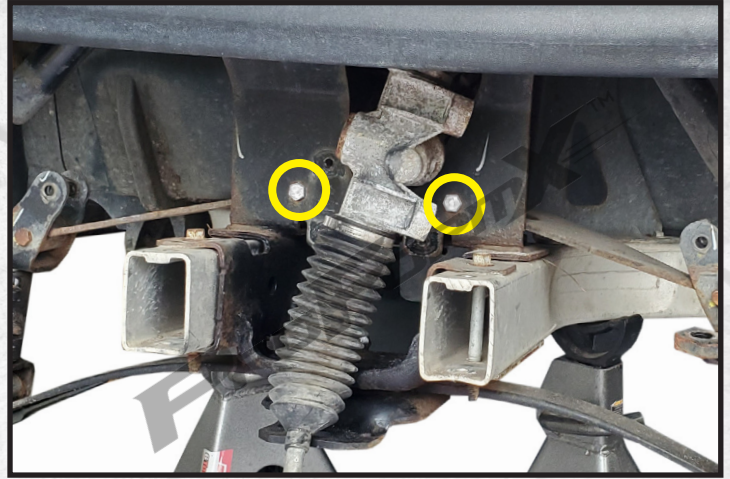
STEP 6

Using a 1/2" socket, remove steering rack from steering rack mount. With steering rack mount free, turn steering rack to gain access to upper A-Arm mounting bolts. Retain hardware.



STEP 7

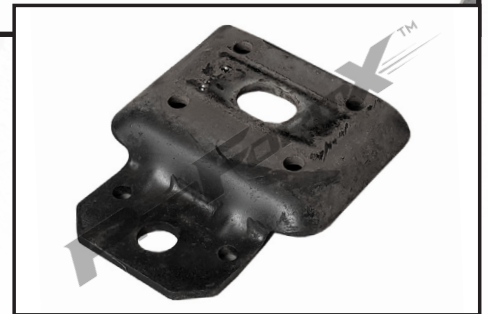
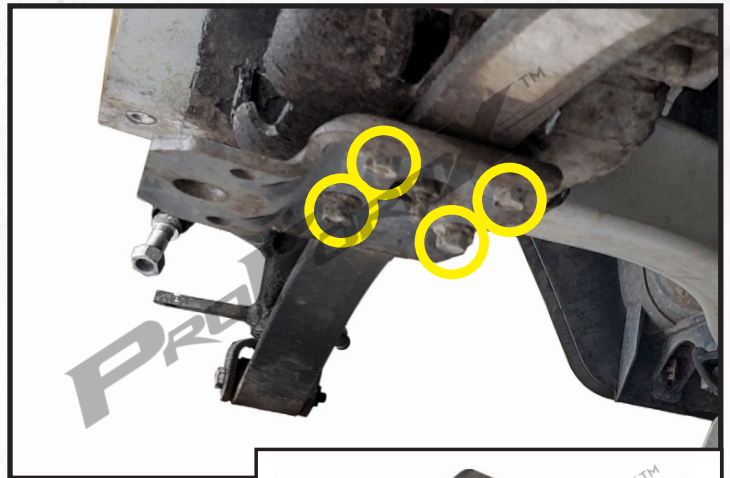
Using a 1/2" socket, remove and retain the A-Arm bolts highlighted. A-Arms are now free from front mount and can be removed.



STEP 8

Using a 1/2" socket, remove the spring/tow plate and retain. Discard hardware and front suspension.

Caution: When plate is removed entire suspension will be free.



The only items remaining should be the steering rack and shocks as shown.

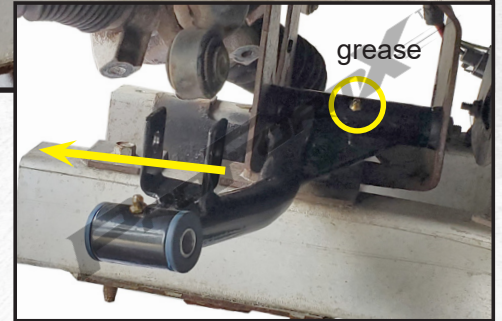


STEP 9

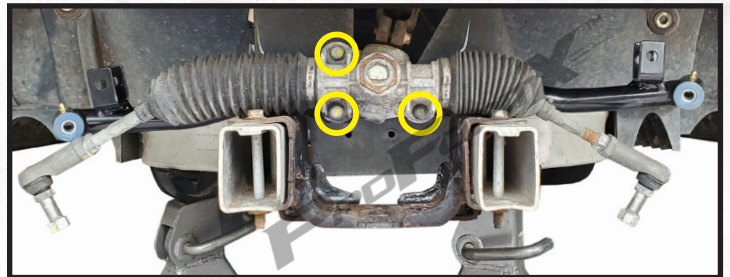
Using the retained bolts from STEP 7, install the new A-Arms to the factory steering rack mount.

A-Arms should angle to the front of cart as shown.

Fully tighten both A-Arm bolts with a 1/2" socket. Grease the inside fittings of each A-Arm before next step.



Using the retained bolts from STEP 6, reattach the steering rack with a 1/2" socket. Once all three bolts are in place, then tighten.



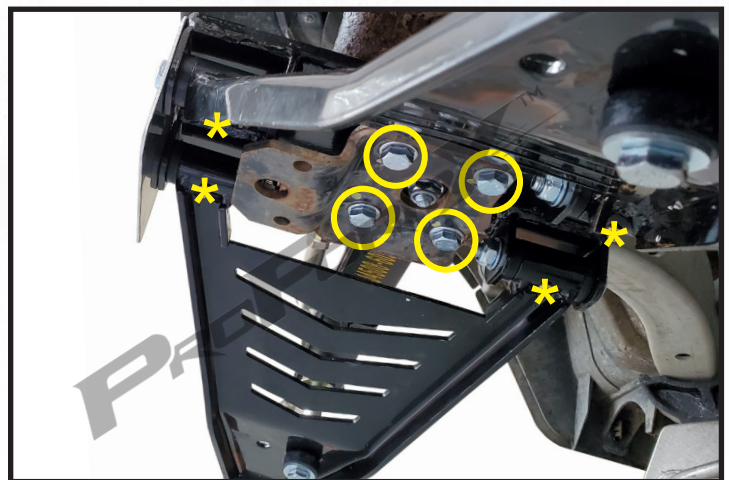
STEP 10

Using the retained spring plate and supplied 10mm x 50mm Bolts/washers, attach the new Front Suspension to the factory frame plate.

Once all 4 bolts are started use the supplied thread lock adhesive and a 16mm socket and fully tighten hardware.

Note: Use an assistant or a floor jack to help hold Suspension in place.

*** Be sure to grease all 4 Grease fitting located under Suspension.

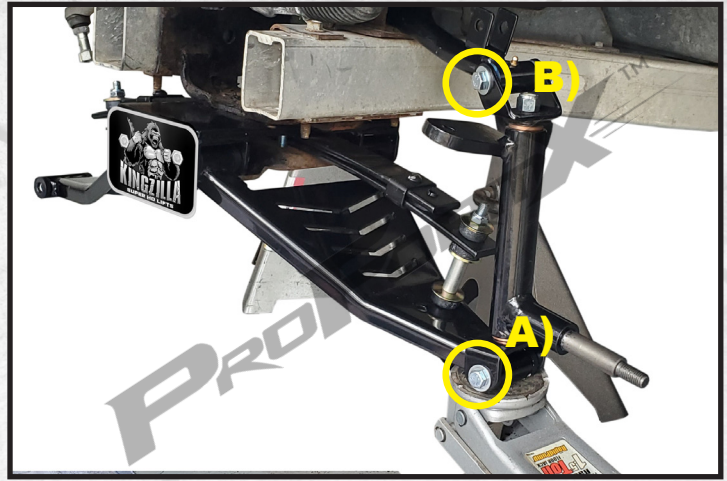


STEP 11

A) Attach Spindle to lower A-Arm first using the supplied 10mm x 90mm bolts and hardware. Do NOT tighten yet.

B) Attach the Spindle to the upper A-Arm using the supplied 10mm x 70mm bolts and hardware. Tighten both bolts with a 16mm socket and 17mm wrench.

Repeat on passenger side.



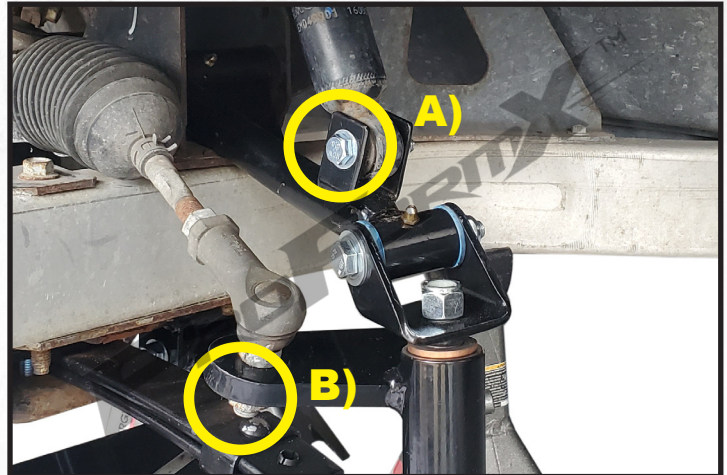
Note: Place a floor jack under Spindle to lift the Spindle up and into the upper A-Arm.

STEP 12

A) Attach the factory shock to Upper A-Arm using the supplied 8mm x 50mm bolt and hardware.

B) Attach the tie rod to the Spindle arm using the retained nut. Install a cotter pin in tie rod bolt once nut is fully tightened.

NOTE: Use a 11/16" wrench to hold the tie rod in place, tighten with a 18mm socket. Retain nut.



STEP 13

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

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



STEP 14

Reattach wheel hubs using retained nuts. Tighten all the way, then back nut off quarter to half a turn so hub spins freely.

You can now install your new front tires and wheels and remove jack stands. We recommend 22-23" tires and 12-14" Wheels for proper clearance.

Repeat Steps 11 - 14 on opposite side.



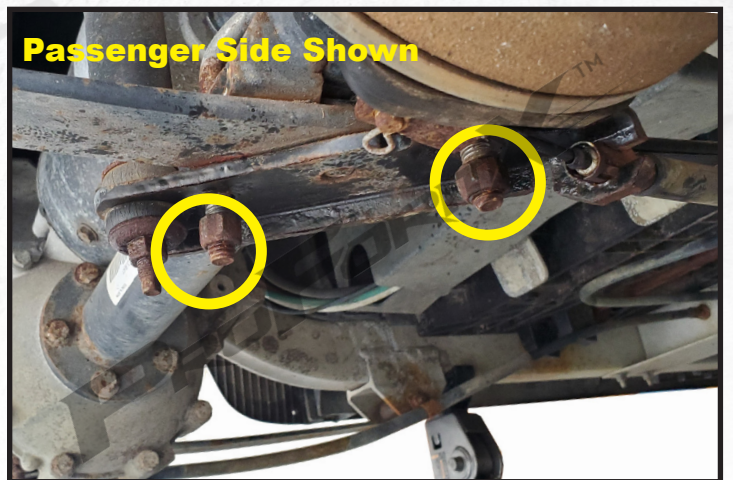
REAR LIFT INSTALL

STEP 15

Before starting on rear lift, disengage parking brake and chock front wheels. Use a floor jack under rear axle to lift rear of cart up. Remove rear wheels.

*****Place jack stands under frame and on the front side of forwardmost leaf spring mount.**

On the Passenger's side rear use a 5/8" socket to loosen the U-bolts as shown, but do not completely remove nuts. This is only done to allow flexibility while installing the lift on the opposite side.



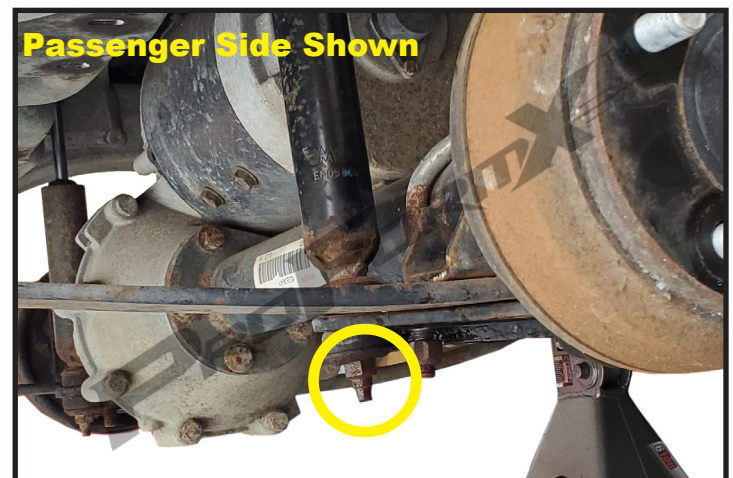
↑
*****Location for jack stands*****

STEP 16

Now loosen the rear shock from spring plate with a 9/16" socket but do NOT fully remove nut.

Note: You will need to hold the shock in place with your hand to keep it from spinning.

***This is all you will do on this side until STEP 25.**



STEP 17

Now place the floor jack under the rear end as shown. This is only to support the rear end weight as it may roll or fall if jack is not in place.

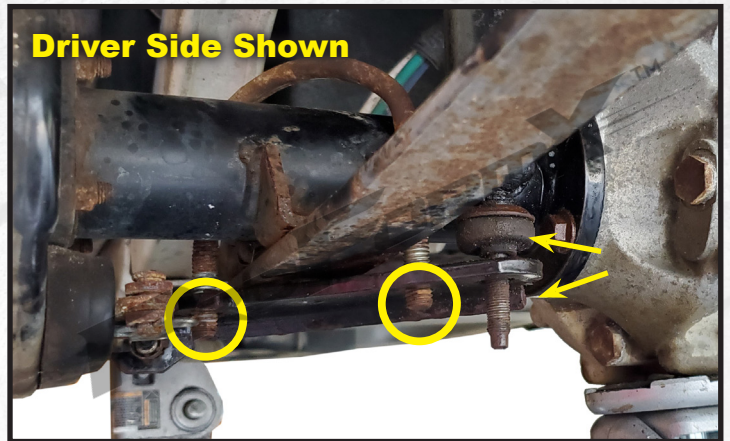
Do NOT lift motor with jack.



STEP 18

Moving to the Driver's side, remove the factory U-bolts with a 5/8" socket. Do NOT retain bolts or hardware.

Using a 9/16" socket, remove and retain the shock nut and bushings.



STEP 19

Ensure floor jack is still supporting the motor/axle weight. Using a 10mm socket and 13mm wrench, remove and retain the rear leaf spring bolt highlighted. Retain hardware.

Note: Leaf springs are directional, make sure when you remove them you note that the center spring nut is offset to the rear of the cart.



STEP 20

Using a 10mm socket and 13mm wrench, remove and retain the front leaf spring bolt highlighted. Remove brake cable from spring bolt. Retain hardware. Temporarily remove leaf spring.

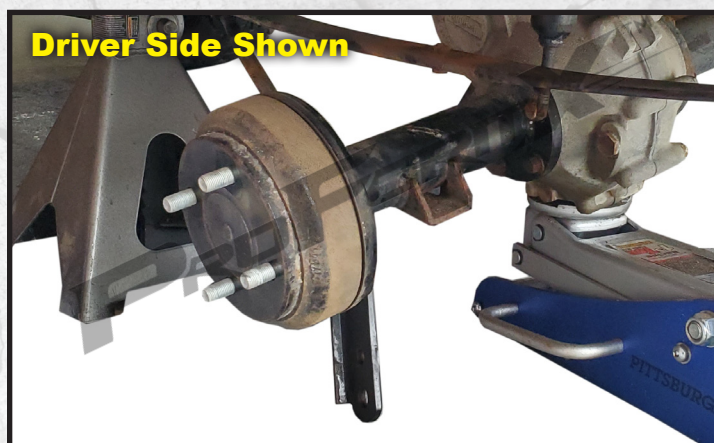
Note: Now is a good time to replace leaf springs bushings if needed.



STEP 21

The Driver's side axle is now free, make sure floor jack is still under motor/axle and supporting the weight.

Carefully lower floor jack to allow enough room to install rear lift components. Install leaf spring **ABOVE** axle using retained hardware. Do NOT reattach brake cable to front leaf spring bolt until after STEP 24.



STEP 22

Place Rear Lift Block on axle and under leaf spring as shown. Short side of the lift block faces towards front of cart.

Place Rear Shock Plate on top of leaf spring as shown.

NOTE: Taller blocks included in kit are used if installing single factory leaf springs as shown.

Shorter blocks included in kit are used if installing Heavy Duty leaf springs.



Front of Cart



STEP 23

Attach the supplied Allen head center pin bolt, washer, and nut to the factory spring plate as shown using a 6mm Allen head socket and 13mm wrench.

The Allen head bolts purpose is only to keep the spring plate in line with the alignment hole located in the bottom of the axle.



STEP 24

Hand tighten rear shock to Shock Plate using the retained bushings and nut from STEP 19 as shown.

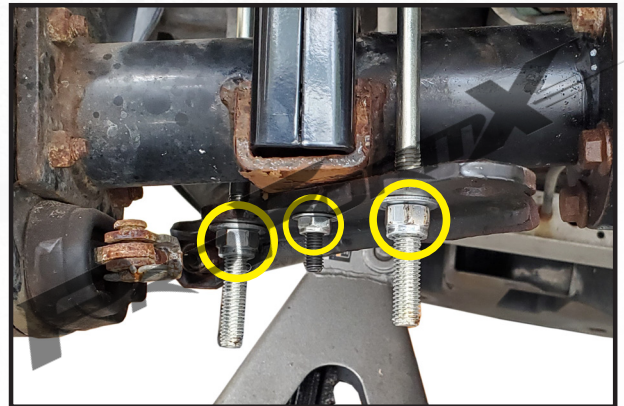
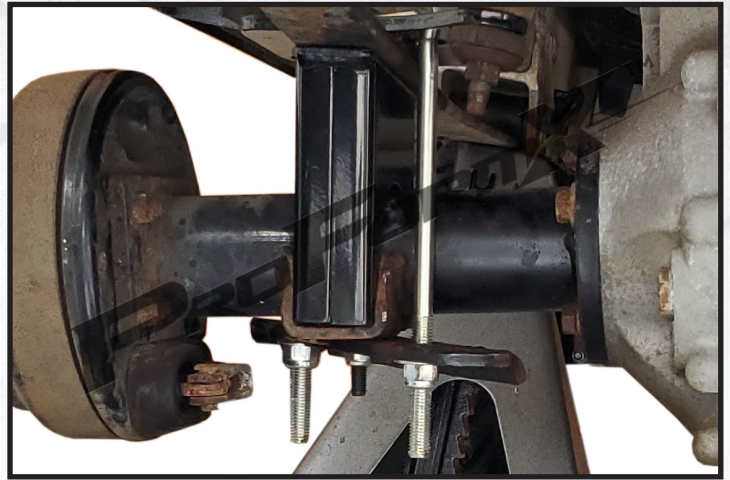
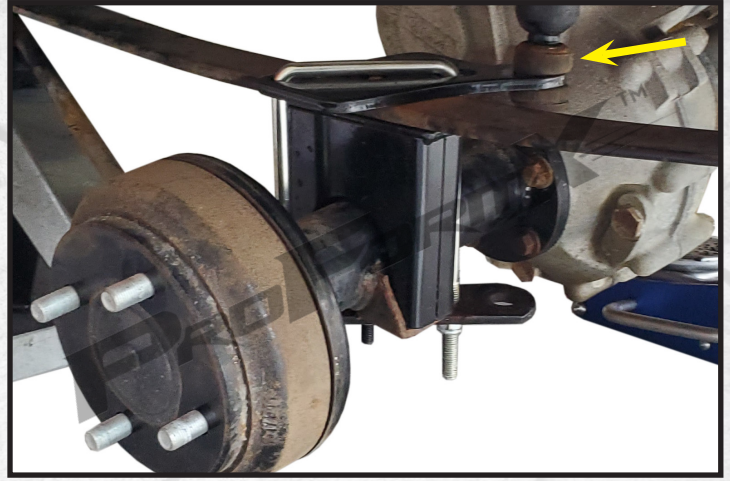
Using the supplied U-Bolt and hardware, route the U-Bolt through the Shock Mounting Plate and down through the factory spring mount as shown. You may need to adjust the floor jack to make this step easier.

Once both ends of the U-bolt are in place, tighten hardware. Make sure the leaf spring nut is properly sitting inside the new Shock Mounting Plate hole and the Allen head bolt is recessed in factory spring plate while tightening hardware.

All components should be tight together with no gaps between. A rubber mallet can be used to help align components.

NOTE: Reattach brake cable to front spring bolt, cable clamp may be needed to be adjusted forward to reattach.

On some installations brake adjustments may be needed. See Club Car owner's manual.



STEP 25

Repeat STEPS 18-25 on Passenger's side.

Then install new wheels and tires, lower cart, and proceed to alignment steps.

STEP 26

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.

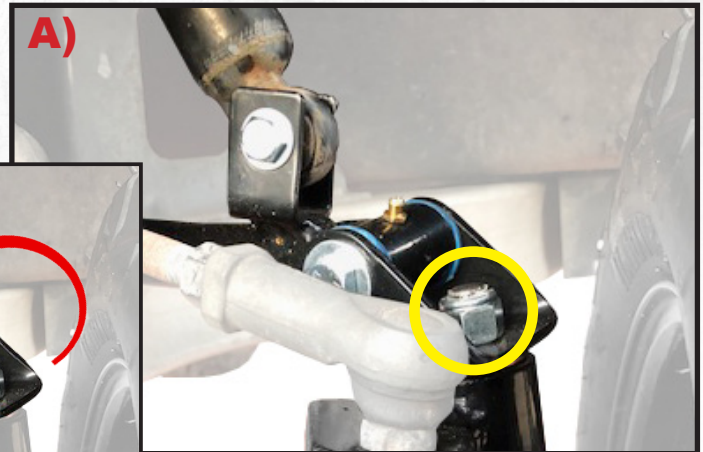
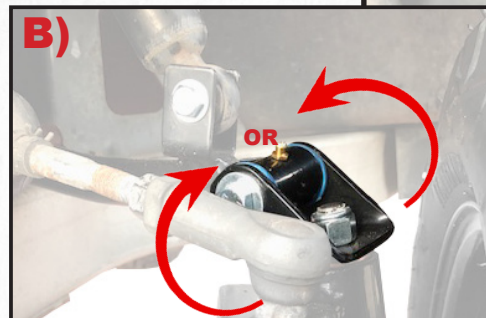
IMPORTANT: Both camber and toe must be adjusted on this model.

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 all adjustment points after adjustments are made.

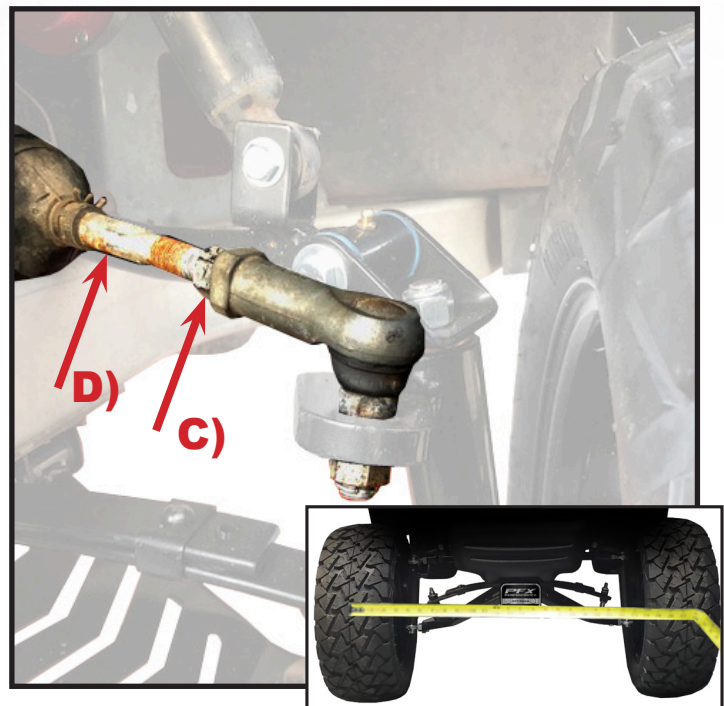


Ensure the wheels are pointing straight forward. To adjust toe, find a common point to measure from the inside front and inside rear of the front tires. Adjust until the front measurement is 1/4" greater than the rear measurement.

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 27

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



WARNING

THIS VEHICLE CAN BE HAZARDOUS TO OPERATE

This vehicle has been modified for more ground clearance and has a higher center of gravity. If you fail to take proper precautions, a rollover or collision can occur quickly even during routine maneuvers such as turning, driving on hills, or over obstacles.

SEVERE INJURY OR DEATH can result if you do not follow these instructions:

This multipurpose vehicle has equipment features for off-road use. As a result, it handles differently than many other vehicles.

Sharp and abrupt maneuvers while turning along hillsides can cause loss of control possibly leading to rollover or 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.

WARNING

HARDWARE LIST

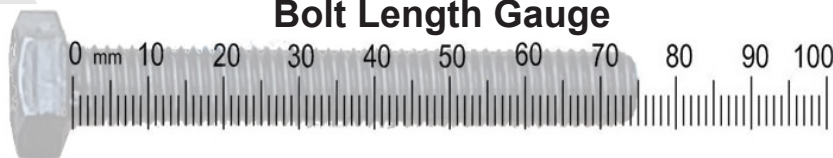
PRECEDENT®

Hardware Pack

- 10mm x 50mm Shoulder Hex Bolts - 4
- 10mm x 70mm Shoulder Hex Bolts - 2
- 10mm x 90mm Shoulder Hex Bolts - 2
- 10mm x 25mm Flat Washers - 16
- 10mm Anti Slip Nuts - 8
- 10mm U-Bolts - 4
- 8mm x 50mm Shoulder Hex Bolts - 2
- 8mm Flat Washers - 6
- 8mm Lock Washers - 4
- Allen Head Bolts - 2

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Bolt Length Gauge



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