



Part # 16-7428

Long Arm Travel Lift Kit

(Yamaha Drive 2)

ITEMS INCLUDED

- Jake's Sub Frame
- J - Plate/Shock Mount
- Shocks
- Upper A-Arms
- Lower A-Arms
- Passenger Side Spindle
- Driver Side Spindle
- Rear Goalpost/Upper Shock Mount

TOOLS NEEDED

- Rear Sway Bar Mount
- Hardware Kit
- Warning Label (not pictured)

Always wear appropriate eye protection.

Can include images of individual included items here

****We recommend professional installation. If you choose to not have this product installed by a professional, we highly recommend that you exercise caution, care, and patience when installing this product.***

FRONT INSTALLATION

STEP 1

Remove the roof, front cowl, and front bumper from the car. Save all hardware for reinstallation.

STEP 2

Place the front of the car on jack stands and remove the wheels and tires. Make sure you raise the car high enough to accommodate the larger wheels and tires.

STEP 3

Remove the stock hubs, struts/shocks, and a-arms. Save the stock hubs and a-arm bolts for reinstallation.

STEP 4

Install supplied tie rod extensions, jam nuts, and tie rod ends from hardware kit to the stock steering box on both driver side and passenger side of the car as shown.



STEP 5

Using supplied 3/8" x 1" bolts, washers and lock nuts, install sub-frame to the stock cross member holes as shown.



STEP 6

Using a 3/8" drill bit and the sub-frame holes as a guide, drill two 3/8" holes in the stock subframe as shown.



STEP 7

Using the supplied 3/8" x 1 " bolts, washers, and lock nuts, install the sub-frame to the newly drilled holes in the stock sub-frame as shown..



STEP 8

Bolt the supplied J-Plate to the stock upper shock mount holes using the supplied 3/8" x 1" bolts, washers and lock nuts as shown.



STEP 9

Using the J-Plate, as a guide, drill a 3/8" hole to both sides of the stock frame.



STEP 10

Using the supplied 3/8 x 1 bolts, washers, & locknuts bolt the J-Plate (ITEM B) to the newly drilled holes in the stock frame as shown as shown.

NOTE: The A-Arms are not side specific. The A-Arms must be installed with the shock mount holes facing up as shown.



STEP 11

Install the lower A-Arms to the sub-frame on both the driver and passenger side using the supplied 3/8" x 3" bolts and lock nuts as shown.

NOTE: The A-Arms are not side specific. The A-Arms must be installed with the shock mount holes facing up as shown.



STEP 12

Using the stock upper a-arm bolts, bolt the new upper a-arms to the stock upper a-arm location on both the driver and passenger side as shown.

NOTE: The A-Arms are not side specific. The A-Arms must be installed with the threaded heim mount facing down as shown.



STEP 13

Install the driver and passenger spindles to the a-arms using the supplied 1/2" x 7" bolt, lock nut and heim spacers as shown.



STEP 14

Install the bottom of the shocks on both the driver and passenger side to the lower a-arms using the supplied 7/16 x 5 bolts, locknuts, & bushing spacers as shown.



STEP 15

Install the top of the shocks (ITEM C) on both the driver and passenger side to the J-Plate (ITEM B) with the supplied 7/16 x 3 bolts, washers, locknuts, & tapered spacers as shown



STEP 16

Attach the tie rod ends to the spindles on both the driver and passenger side using the supplied locknuts.



STEP 17

Reinstall the wheel hubs to the new spindles with the stock hardware.

STEP 18

Install Jake's recommended 22x11x10 or 23x10.5x12 tire on 3x5 offset wheels for maximum performance.

NOTE: *Your stock wheels and tires will NOT work!*

STEP 19

Securely tighten all bolts.

STEP 20

Supplied is a warning label (ITEM K) that is to be placed on the car in a visible area that is to be read by any and all passengers and drivers.

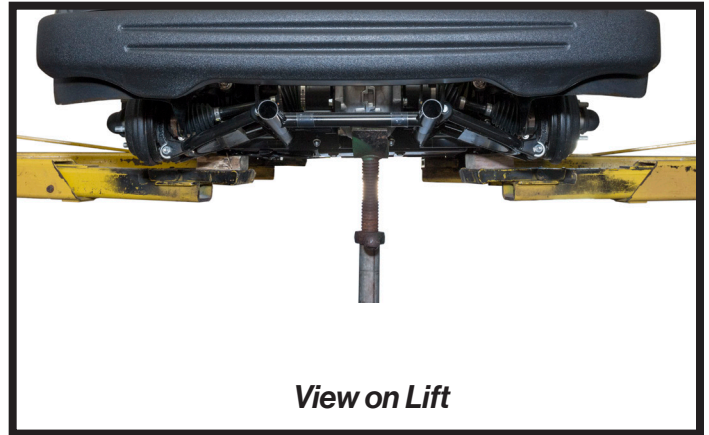
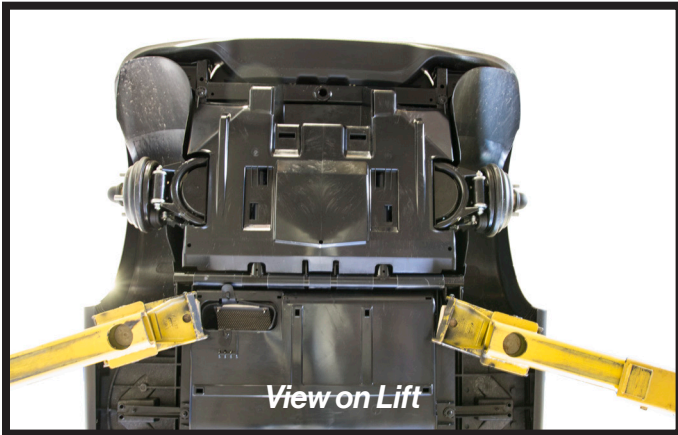
STEP 21

Lower the cart back to the ground. Caster/camber adjustments can be made by adjusting both the upper and lower heim joints on the a-arms. Set toe to approximately 1/8' in by loosening the jam nuts on the tie rod extensions and lengthening or shortening the tie rods. Retighten jam nuts once toe is set.

REAR INSTALLATION

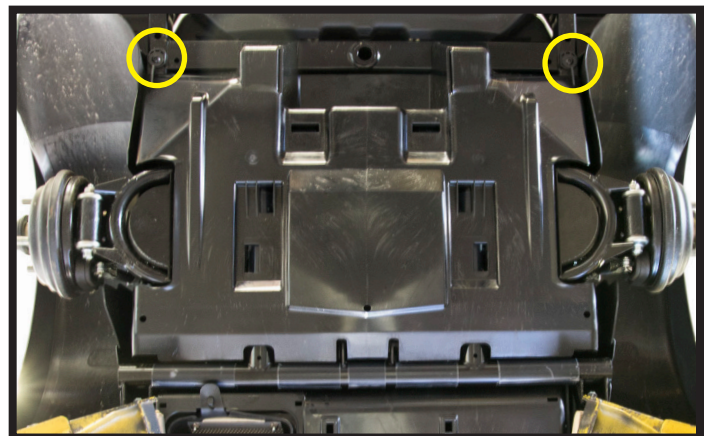
STEP 1

With key still in the off position, chalk front wheels and raise the rear of the cart with floor jack. Place jack stands in front of rear wheels, under metal frame. (Make sure you raise cart high enough for larger tires.) Also, place a 3rd jack stand under the rear differential to support motor weight.



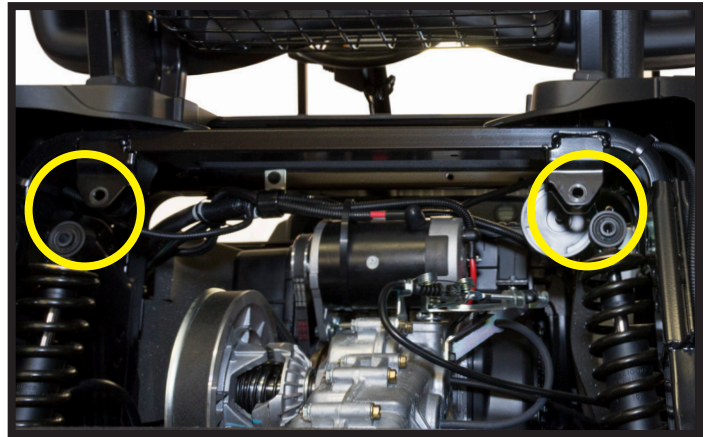
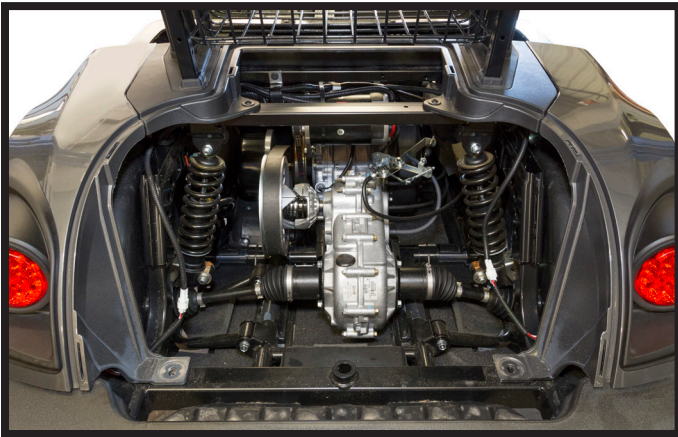
STEP 2

Remove the front seat bottom and the entire rear seat kit assembly if applicable. Remove the bagwell insert and the under carriage guard from rear of cart using 5mm Allen wrench in the 2 locations shown for each piece. Retain bagwell & hardware for later installation (You will not be able to reuse plastic under carriage guard).



STEP 3

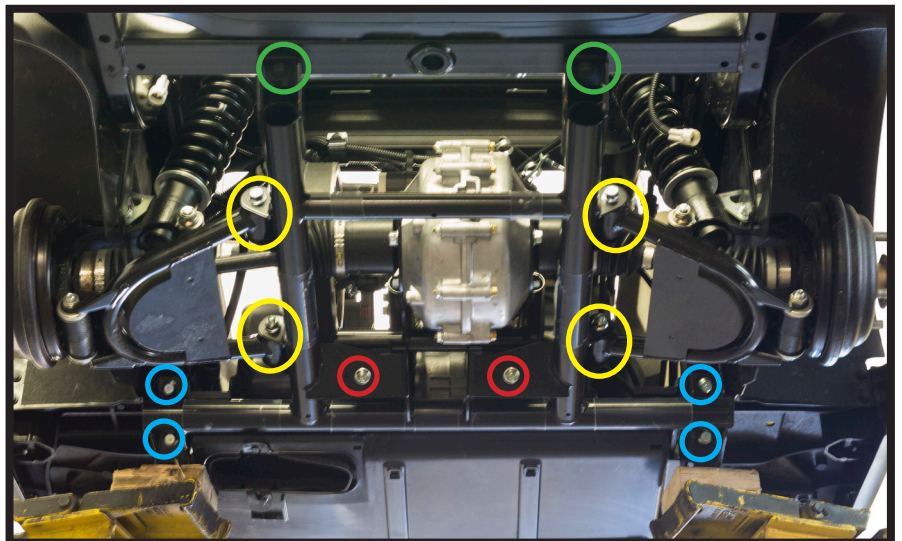
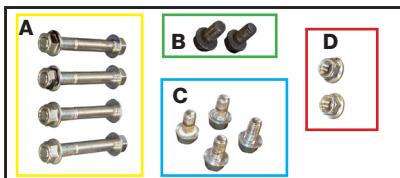
Remove the rear tires using 19mm socket and retain lug nuts. Using a 14mm wrench and socket Unbolt top portion of rear shocks at shown locations and retain hardware for later.



STEP 4

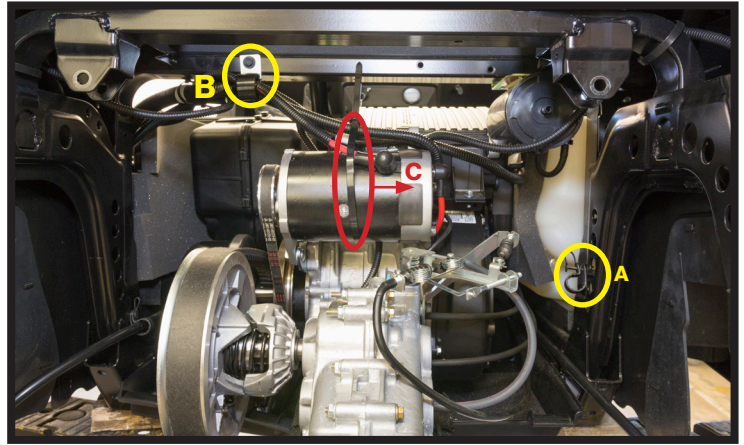
With the 3rd jack stand firmly supporting rear axle at it's center, remove the stock suspension frame by unbolting the groups of hardware at A,B,C & D shown locations and retain the hardware for the Jake's suspension frame installation. Stock frame and location (B) hardware will not be re-used.

- A** With a 14mm socket and wrench remove 4 bolts at lower A-Arm Location
- With a 15mm socket remove 2 bolts at rear frame mount locations.
- B**
- With a 14mm socket remove 4 bolts from
- C** front frame mount locations
- Using a 14mm socket remove 2 nuts at
- D** transaxle mount



STEP 5

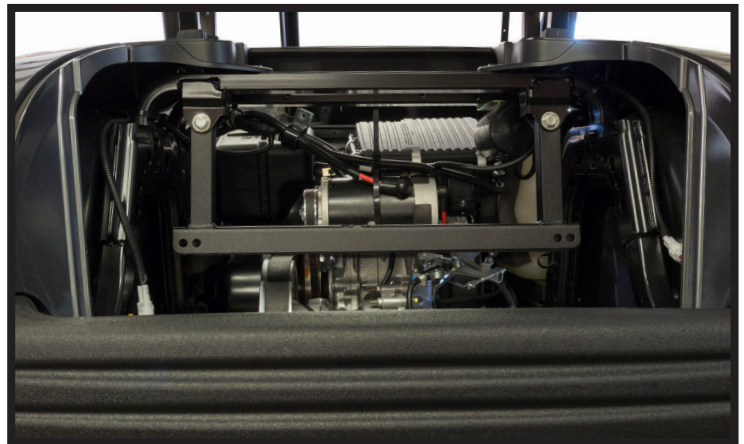
At the shown location (A), disconnect rivet strap holding passenger side brake and governor cables to the frame. At location (B), using a 10mm socket unbolt the cable clamp from frame at shown location. (C) Slide starter generator zip tie to the passenger side of generator. You can now use a floor jack to control lowering the transaxle allowing space for the installation of the rear goal post.



STEP 6

Install JAKES rear goalpost. Attach goal post to the top stock shock mount in locations shown using 14mm wrench/socket with hardware retained in step 3.

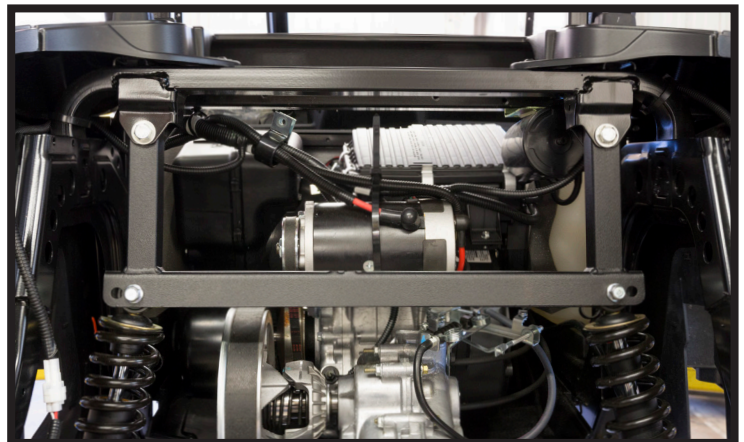
NOTE: The "J" in the center of the rear goalpost should be facing the front of the cart.



STEP 7

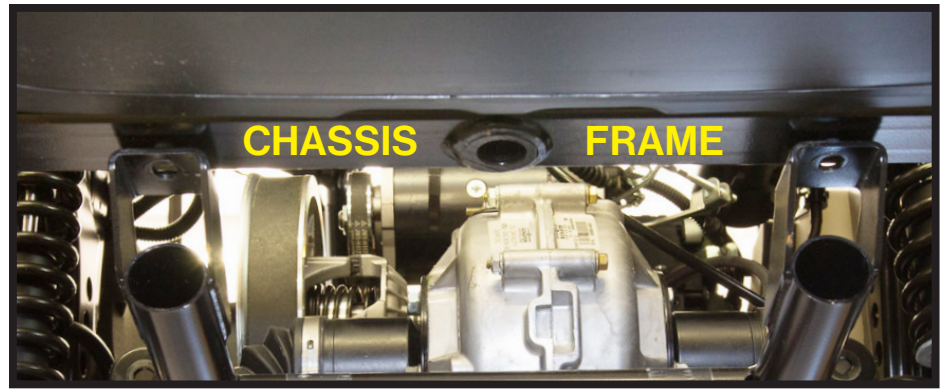
Install the shocks to the Jake's goalpost in locations shown with 5/8" wrench/socket and the 7/16 X 2" hardware provided.

NOTE: The extra set of bolt holes for added camber adjustment depending on tire size.



STEP 8

Drill out stock bolt holes through cart chassis frame tubing where rear of stock frame was mounted at shown locations with 13/32 Drill bit.



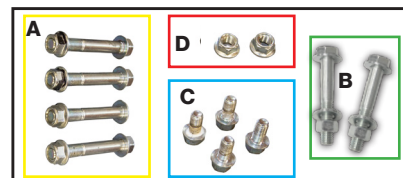
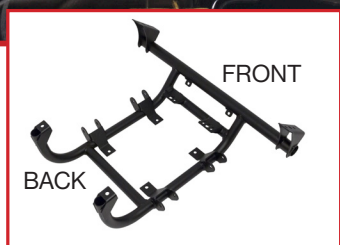
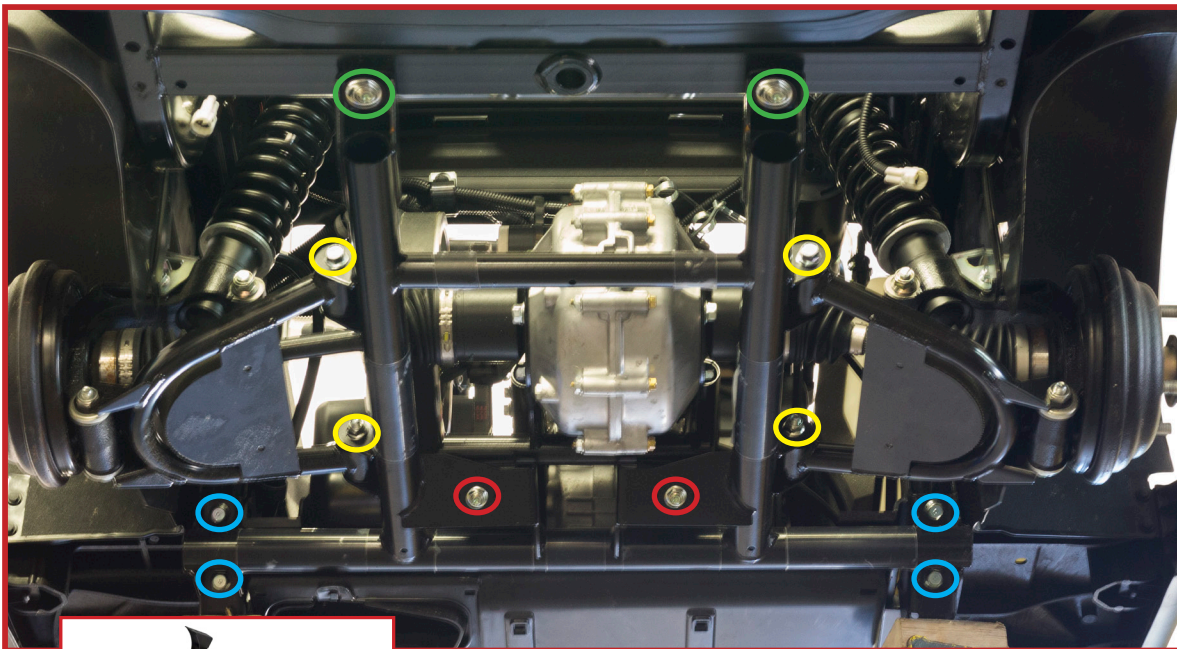
STEP 9

Install Jakes New Rear Suspension Frame. Attach with hardware retained in step 4 for parts A,C, & D. Use supplied 3/8 x 2.5" hardware for Part B.

NOTE: Lightly install all hardware until all sections of frame are installed.

- A** With a 14mm socket attach frame at front mount locations with stock bolts.
- B** With a 9/16 socket attach frame at rear frame mount locations using supplied hardware.
- C** Using a 14mm socket attach transaxle to frame mount using stock nuts.
- D** With a 14mm socket and wrench attach lower A-Arms with stock hardware.

NOTE: Once all hardware is installed, finish tightening all hardware.



STEP 10

Install the rear body assembly using 5mm allen wrench and hardware retained from step 2.



STEP 11

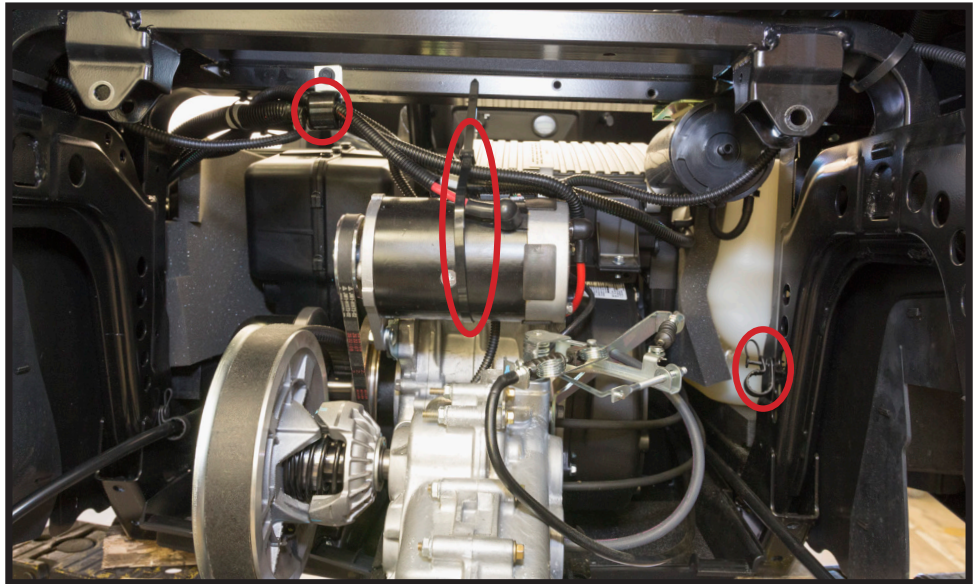
Using a pair of pliers remove the Brake Drum Retaining Ring on each side of the cart.

NOTE: With larger wheels, if the brake drum retaining ring is not removed, pulsing/vibrating may occur when braking.

If using recommended 1" wheel spacers install stock lugs with 19mm socket and torque appropriately. Install recommended wheels with 1/2" x 20" lugs on wheel spacer, lower to floor and torque appropriately.

STEP 12

Make sure you have enough length for the Accelerator cable, Brake cable, Vacuum lines, Fuel lines and the Electrical wires. Re-attach at shown locations with OEM hardware from step 5. Use zip ties if needed (not included).



STEP 13

Included is a warning label which is to be placed on the steering column or another visible area and is to be read by all operators.

INSTALLATION COMPLETE

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