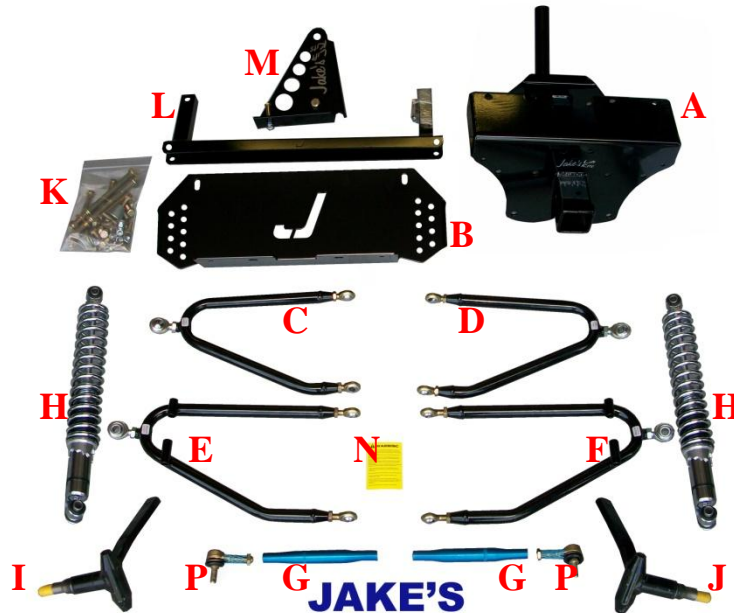


Yamaha Long Travel Lift Kit
 G22 Gas/Electric
 Installation Instructions
 Part# 7053
 U.S. Patent 7581740



PARTS LIST



<u>ITEM</u>	<u>QTY.</u>
A. SUB-FRAME	1
B. J-PLATE	1
C. PASSENGER SIDE TOP A-ARM	1
D. DRIVER SIDE TOP A-ARM	1
E. PASSENGER SIDE BOTTOM A-ARM	1
F. DRIVER SIDE BOTTOM A-ARM	1
G. TIE-RODS	2ea.
H. CHROME COIL OVER SHOCKS	2
I. PASSENGER SIDE SPINDLE	1
J. DRIVE SIDE SPINDLE	1
K. FRONT END HARDWARE KIT	1 pack
L. REAR SHOCK MOUNT EXTENSION W/ HARDWARE	1
M. REAR SWAY BAR MOUNT W/ HARDWARE	1
N. WARNING LABEL	1
O. EXTREME CONDITION SHOCK SUPPORTS	2 (not pictured)
P. LEFT HAND THREAD TIE ROD ENDS & JAM NUTS	2ea.

ITEM K-FRONT END HARDWARE KIT CONSISTS OF:

7/16 x 1 ¼-10, 7/16 Locknuts-16, 7/16 Flat Washers-2, 7/16 x 1 ½-2, 7/16 x 3 ½-2, 7/16 x 5 ½-2
 5/8 x 1 ½-2, 5/8 Locknuts- 2, M8-1.25 x 25-2, 5/16 Flat Washers-2, ½ x 7-2, ½ Locknuts-2,
 ½ Heim Spacers-4, Tapered Shock Spacers-2, 10 x 1.25 Locknuts-2

FRONT ASSEMBLY INSTRUCTIONS:

1. Remove the front body and bumper from the golf cart. Save the bumper and bumper bolts if you are going to reinstall the stock bumper.
2. Jack up and place the cart on jack stands.
3. Remove the wheels/tires front hubs. Clean and lubricate front hubs for reinstallation.
4. Remove the stock spindles & struts from the cart. These will not be re-used.
5. Remove the stock tie-rod ends from both sides of the steering box and replace with new tie-rods ITEM G . Install new left hand thread tie rod ends ITEM P to the new supplied tie rods ITEM G as shown in FIGURE 2. **NOTE: You will not be using your stock tie rod ends. FIGURE 2 shows the ends you will remove and discard.**
6. Using a 7/16 drill bit enlarge the stock frame holes on both sides of the cart as shown in FIGURE 1.
7. Tilt and slide sub-frame ITEM A into place as shown in FIGURE 3.
8. Loosely install bottom a-arms ITEMS E & F to the bottom a-arm holes using the supplied 7/16 x 1 ¼ bolts & lock nuts as shown in FIGURE 5. **NOTE: All a-arms are different and marked accordingly.**
9. Loosely install top a-arms ITEMS C & D to the sub-frame using the supplied 7/16 x 1 ¼ bolts & locknuts for the front and the supplied 7/16 x 1 ½ bolts washers and locknuts for the rear as shown in FIGURE 4. **NOTE: Some models may need the top rear a-arm housing ground for heim clearance. NOTE: All a-arms are different and marked accordingly.**
10. Loosely install J-Plate ITEM B to the sub-frame ITEM A using the supplied hardware- 5/8 x 1 ½ bolts and locknuts to inner bottom J-Plate holes, 7/16 x 1 ¼ bolts and locknuts to upper J-Plate holes, M8-1.25 x 25 bolts and flat washers to outer bottom J-Plate holes. Use FIGURE 5 as a guide.
11. Securely tighten sub-frame, J-Plate, & a-arm bolts at this time.
12. Install bottom of shocks ITEM H to the bottom a-arm ITEMS E & F with supplied 7/16 x 5 ½ bolts and locknuts as shown in FIGURE 6.

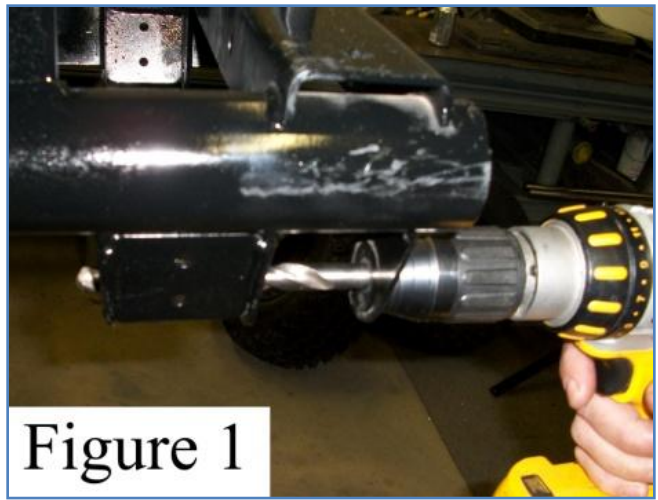


Figure 1



Figure 2

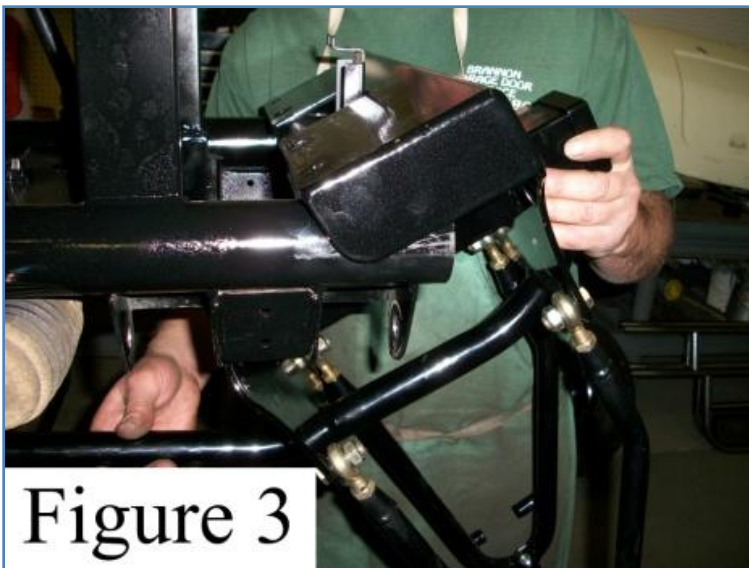


Figure 3

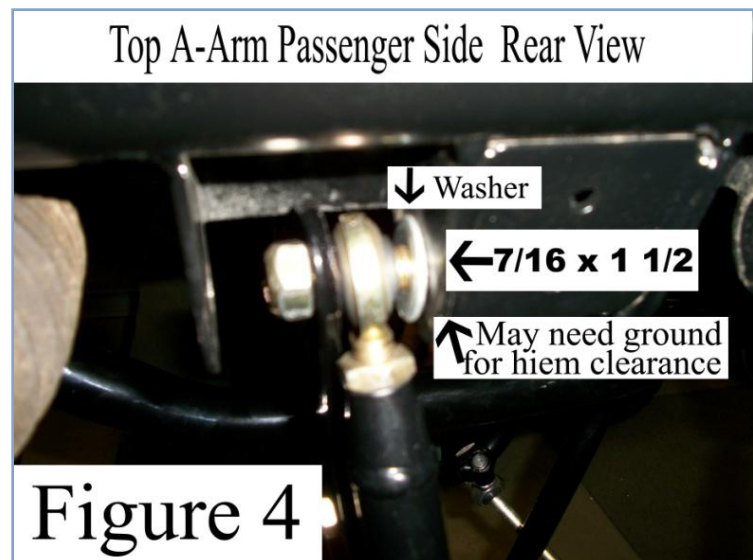


Figure 4

13. Install the top of the shocks to the J-Plate with supplied tapered spacers, 7/16 x 3 1/2 bolts for shocks, washers & 7/16 x 1 1/4 bolt and locknut for extreme condition shock support ITEM O as shown in FIGURE 7A. **NOTE: There are several different height settings for shock mounting. The lower you mount the shocks the higher the cart will sit. There are also inner and outer shock mount holes. Inner holes are for a softer ride and outer holes are for a stiffer ride. The extreme condition shock support is slotted to allow you more adjustability when mounting.**

14. Install supplied spindles ITEM I & J to the a-arms with supplied 1/2 x 7 bolts, heim spacers & locknuts as shown in FIGURE 6.

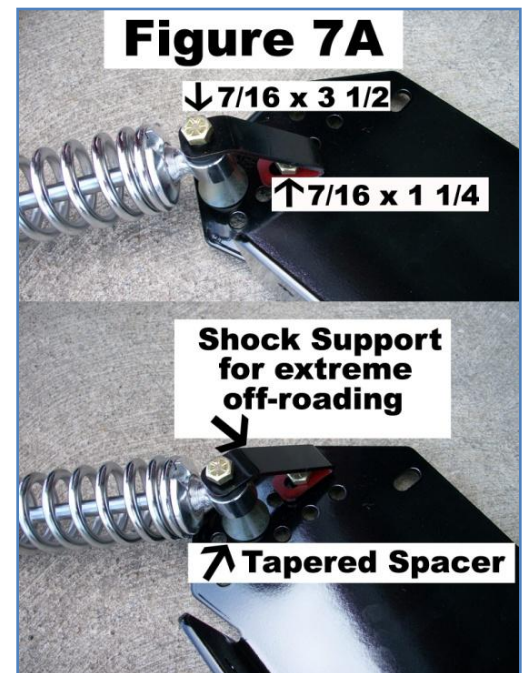
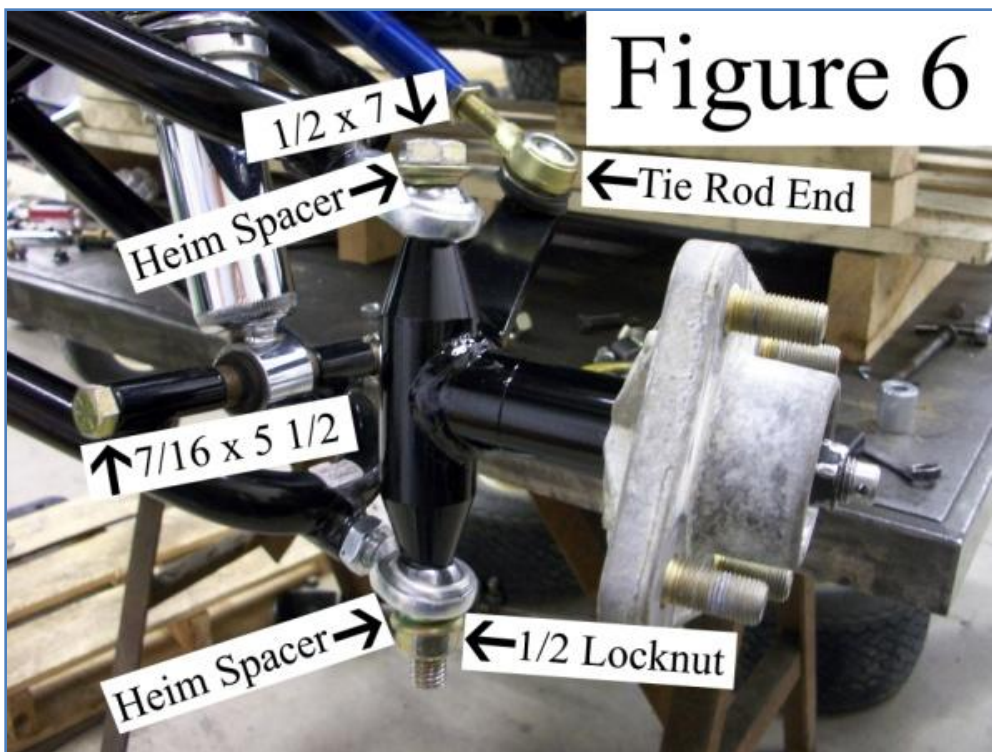
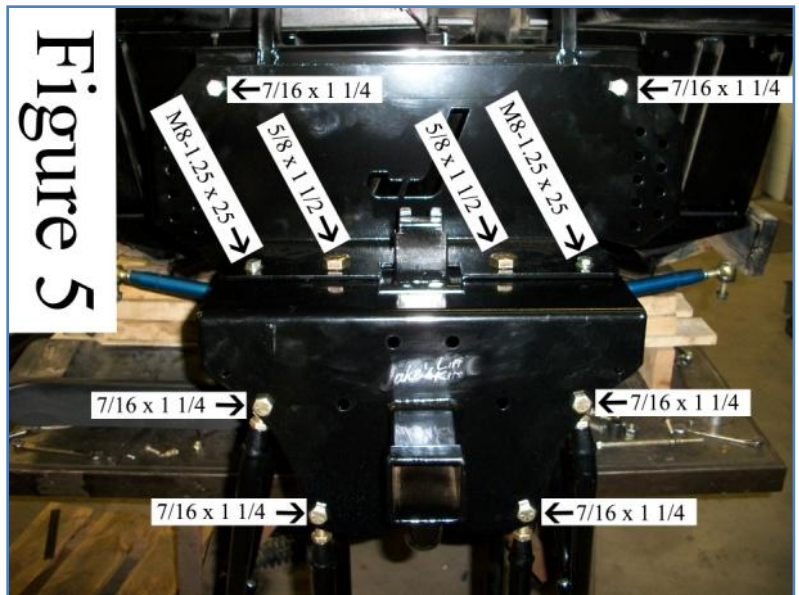
15. Install the tie rod ends to the steering arms of the spindles with the supplied 10mm locknuts as shown in FIGURE 6.

16. Re-install stock hubs to new spindles with the stock nuts.

17. Double check and securely tighten all bolts.

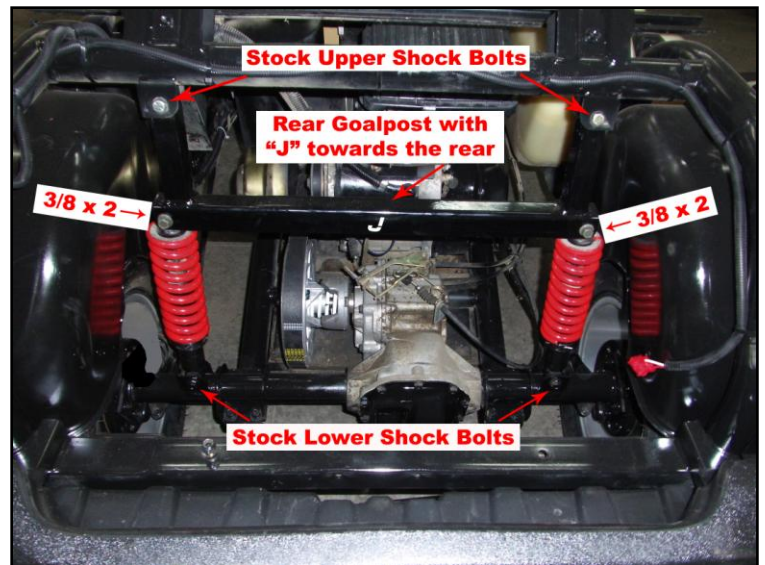
18. Install wheels and tires.

19. Adjust toe of the cart. Proper toe should be approximately 1/8" – 1/4" in.



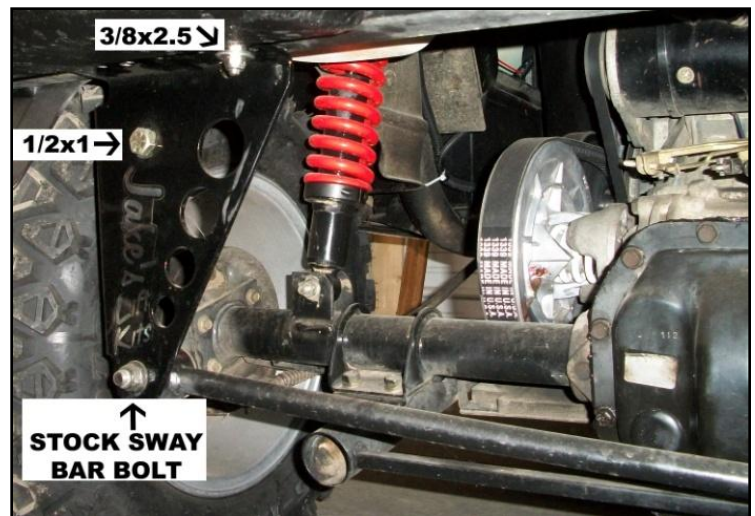
REAR ASSEMBLY INSTRUCTIONS:

1. Remove the rear body assembly if necessary. (Not all bodies will require removing.)
2. Remove the rear sway bar at the frame end. (Driver's side)
3. Raise the rear of the cart and place the frame on jack stands. (Make sure you raise cart high enough for larger tires.)
4. Remove the rear tires.
5. Remove the rear shocks.
6. Install JAKES rear goalpost ITEM L to the **top stock shock mounts** as shown in the illustration using the provided nuts and bolts.
NOTE: The goalpost has a "J" in the middle of the cross bar. The "J" should be facing the rear of the cart.
7. Install the shock to the goalpost using the new bolts and nuts provided in the kit. (You may have to oversize the lower shock mount holes enough to eliminate shock bind.)
8. Install JAKES new sway bar bracket ITEM M to the driver's side of the cart and reconnect the sway bar. (Some carts may require enlarging the left rear bag-well hole down through the frame with a 3/8" drill bit to secure the sway bar.)
9. Securely tighten all bolts.



10. Install your new wheels and tires and lower cart to the floor. **NOTE: Your stock wheels and tires will NOT work!**
11. Install the rear body assembly if needed.
12. Make sure you have enough length for the choke cable, ground wires, vacuum lines, fuel lines and the electrical wire. (The choke in some cases, may need lowered in the body 1 – 2" and remounted for adequate length.)
13. Included is a warning instruction ITEM N which is to be placed on the steering column or another visible area and is to be read by all operators.

14. Double check all of the bolts for tightness.
NOTE: Some models may need the inner fenders heated, reformed or cut for tire clearance.



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