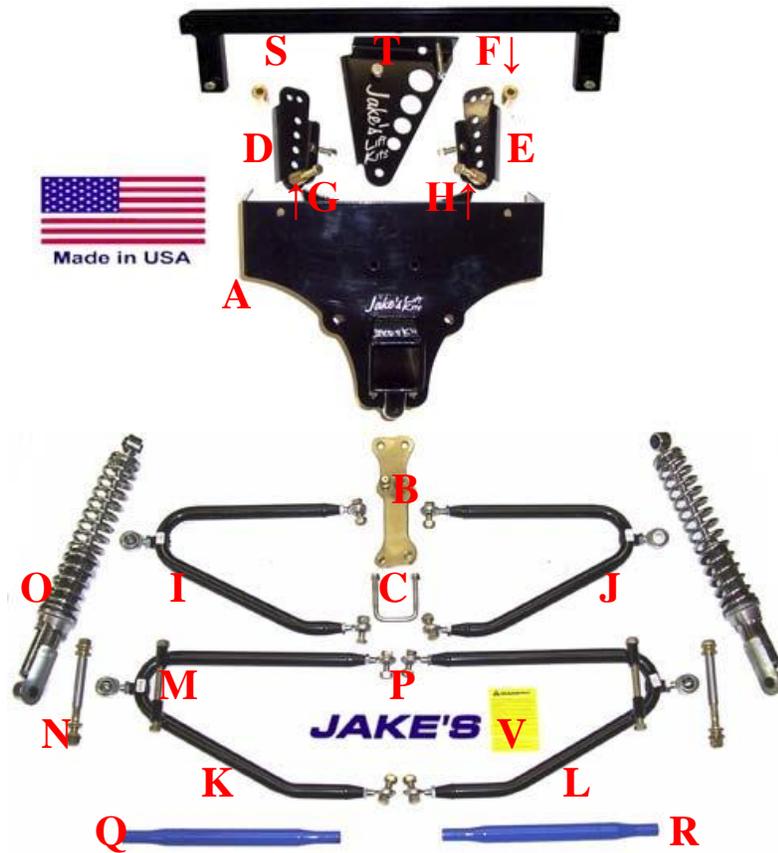


Yamaha G8/11/14/16/19/20/21 Lift Kit
Long Travel Lift Kit Installation Instructions
Part# 6266
U.S. Pat. 7581740



| ITEM | QTY |
|--|------------|
| A. JAKE'S SUB-FRAME | 1 |
| B. DUCTILE IRON STEERING EXTENSION W/ 10MM X 40MMX 1.25 NUTS AND BOLTS | 1 |
| C. 3/8" U-BOLT FOR STEERING EXTENSION | 1 |
| D. PASSENGER SIDE SHOCK MOUNT | 1 |
| E. DRIVER SIDE SHOCK MOUNT | 1 |
| F. SHOCK SPACER | 2 |
| G. 7/16" X 3" NUTS, BOLTS, & TAPERED SHOCK SPACERS | 2 |
| H. 3/8" X 1 1/2" NUTS AND BOLTS FOR SHOCK MOUNTS | 2 |
| I. PASSENGER SIDE TOP A-ARM | 1 |
| J. DRIVER SIDE TOP A-ARM | 1 |
| K. PASSENGER SIDE BOTTOM A-ARM | 1 |
| L. DRIVER SIDE BOTTOM A-ARM | 1 |
| M. 7/16" X 5 1/2" NUTS AND BOLTS FOR SHOCKS | 2 |
| N. 1/2" X 6" KING PIN BOLT W/ SPINDLE SLEEVES AND HIEM SPACERS | 2 |
| O. CHROME COIL OVER SHOCKS | 2 |
| P. 1 1/4" X 7/16" NUTS AND BOLTS | 8 |
| Q. PASSENGER SIDE TIE ROD (LONGER) | 1 |
| R. DRIVER SIDE TIE ROD (SHORTER) | 1 |
| S. REAR GOAL POST W/ SHOCK MOUNTS | 1 |
| T. REAR SWAY BAR W/ HARDWARE | 1 |
| U. NOT PICTURED 3/8" X 1" NUTS AND BOLTS FOR SUB-FRAME | 2 |
| V. WARNING LABEL | 1 |
| W. NOT PICTURED LEFT & RIGHT HAND TIE ROD ENDS W/ JAM NUTS | 2 EACH |

 *Always wear appropriate eye protection!*

FRONT ASSEMBLY

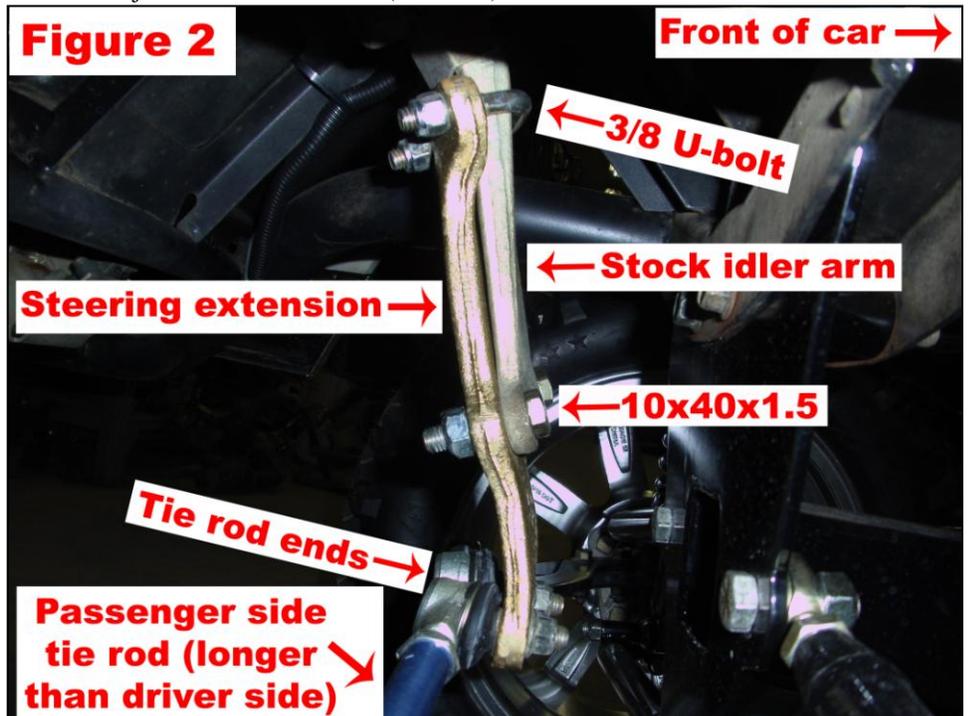
1. Place the cart on jack stands and remove the front wheels and tires.
2. Completely disassemble the front of the golf cart as shown in FIGURE 1. Save the stock spindles, steering arms, shock mount bolts, and a-arm bolts for reinstallation.
3. Mount the new ductile iron steering extension (ITEM B) to the stock idler arm with the supplied U-bolt (ITEM C) and nuts and bolts (ITEM B) as shown in FIGURE 2.
4. Mount the new shock mounts (ITEMS D & E) to the stock upper shock location using the supplied shock spacers (ITEM F) and stock shock bolts as shown in FIGURE 3. **NOTE: The shock mounts are different for each side FIGURE 3 is showing the passenger side.**
5. Using a 3/8" drill bit and the new shock mount as a guide drill a hole in the upright shock supports as shown in FIGURE 3. Bolt the shock mounts to the hole you just drilled using the supplied 3/8 x 1 1/2" nuts and bolts (ITEM H).

Figure 1



6. Attach one left hand thread and one right hand thread jam nut and tie rod end (ITEM W) to each end of the tie rods and mount the new tie rods (ITEMS Q & R) to the steering extensions as shown in FIGURES 2 & 4. **NOTE: Left hand threaded jam nuts are gold. THE PASSENGER SIDE TIE ROD IS LONGER THAN THE DRIVER SIDE.**

Figure 2



7. Mount the new sub-frame (ITEM A) to the cart using the stock a-arm nuts and bolts, the stock side bumper bolts and the 3/8" x 1" bolts (ITEM U) as shown in FIGURE 5. **NOTE: Use the stock rear a-arm bolts for mounting the rear of the sub-frame.**

8. Mount the new shocks (ITEM O) to the new upper shock mounts using the supplied 7/16 x 3 bolts, nuts, and tapered shock spacers (ITEM G) as shown in FIGURE 3. **NOTE: When mounting the shocks make sure the washer is between the shock and the nut facing forward as shown in Figure 3. NOTE: The small end of the tapered shock spacers goes towards the shock and the larger end goes towards the new shock mount.**

NOTE: There are 5 different pre-drilled holes for your adjustable height settings. The lower you mount the shocks the more lift you will get. If you want to set the car at the highest settings you will need to purchase shorter shocks. We recommend setting the shocks in the center hole as shown in FIGURE 3.

Figure 3 Passenger Side New Shock Mount

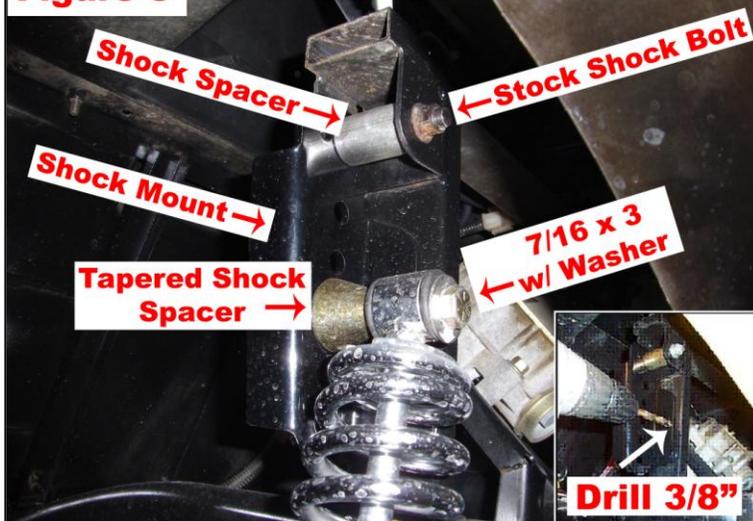


Figure 4



9. Mount the bottom a-arms (ITEMS K & L) to the sub-frame using the supplied 7/16 x 1 1/4" bolts & nuts (ITEM P) as shown in FIGURE 5.

NOTE: All a-arms are different and marked accordingly. The inner 7/16" hiems are factory adjusted. To tweak the camber turn the 1/2" outer hiems on the spindle end 1/2 turn at a time.

10. Mount the bottom of the shocks to the bottom a-arms using the supplied 7/16 x 5 1/2" bolts & nuts (ITEM M) as shown in FIGURE 7.

NOTE: There are spacers that come with your shocks. Place one spacer on each side of the bottom of the shocks when mounting as shown in FIGURE 7.

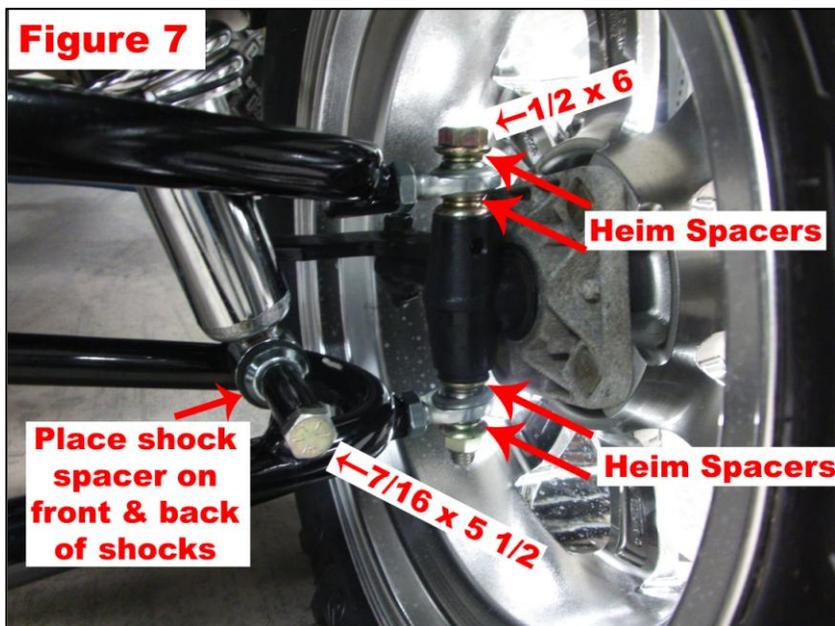
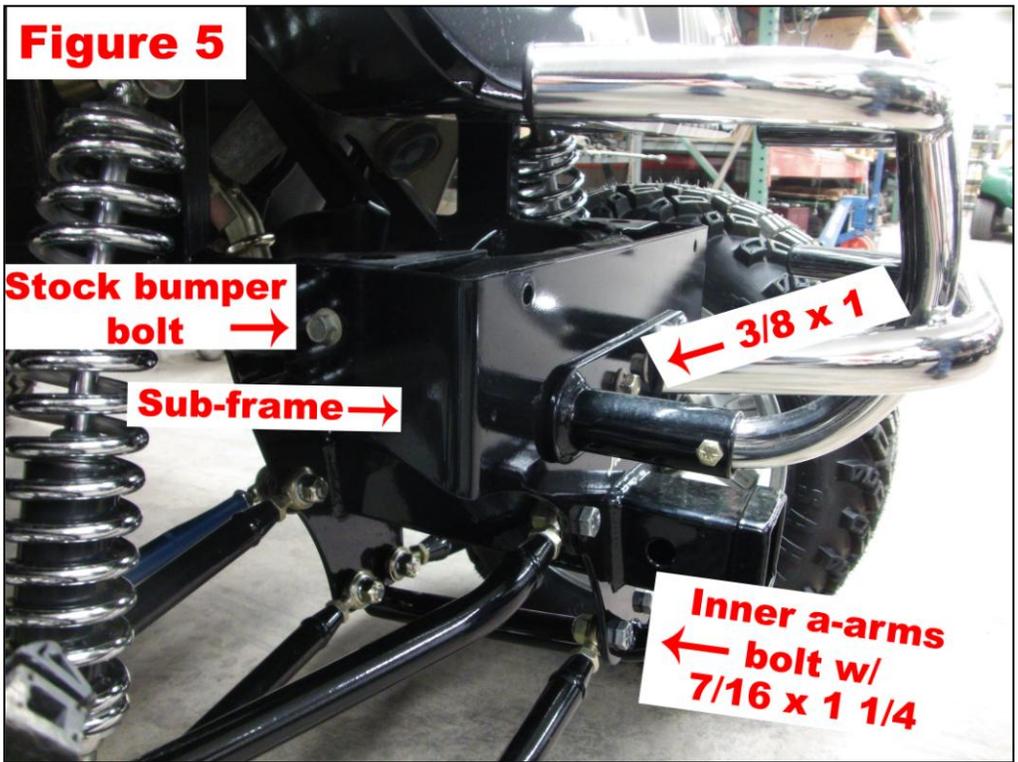
11. Mount the top a-arms (ITEMS I & J) to the sub-frame using the supplied 7/16 x 1 1/4" bolts and nuts (ITEM P).

12. Mount the stock spindles and steering arms to the a-arms using the supplied 1/2 x 6 bolts, nuts, spindle sleeves, and 1/2" hiem spacers (ITEM N) as shown in FIGURE 7. **NOTE: Each kingpin bolt requires 4 hiem spacers for each side of both hiems as shown in FIGURE 7. The smaller end goes towards the heim. Make sure the new spindle sleeves are placed in the stock spindles before mounting.**

13. Attach the tie rod ends to the stock steering arms. **NOTE: Tie rods are left hand thread on one end and right hand thread on the other end. Attach tie rods to the steering arms on the spindles. Adjust toe-in. Proper toe-in should be approximately 1/8" in.**

14. **SECURELY TIGHTEN ALL NUTS AND BOLTS.**

15. Install Jake's recommended 23x10.5x12 or 22x11x10 wheels/tires. **NOTE: This lift kit requires offset wheels. We recommend 3x5 or 3x4 offset wheels. Your stock wheels/tires will not work.**

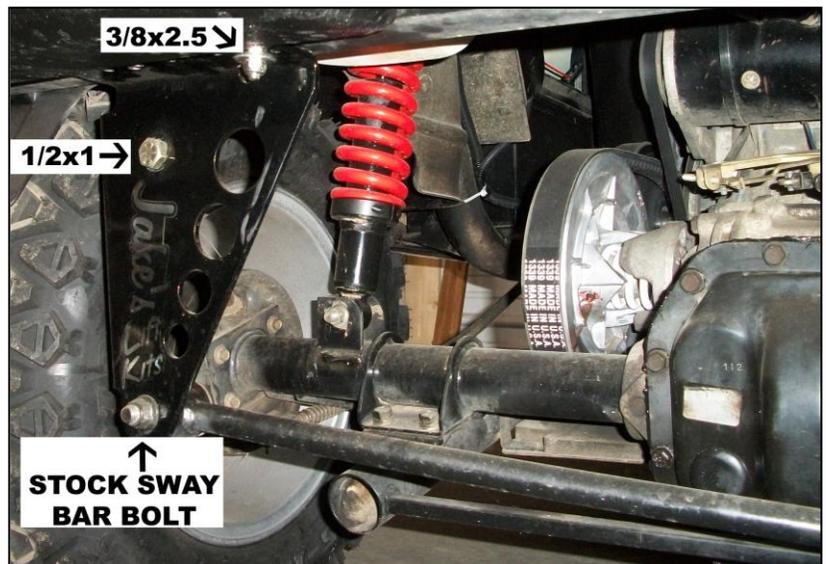
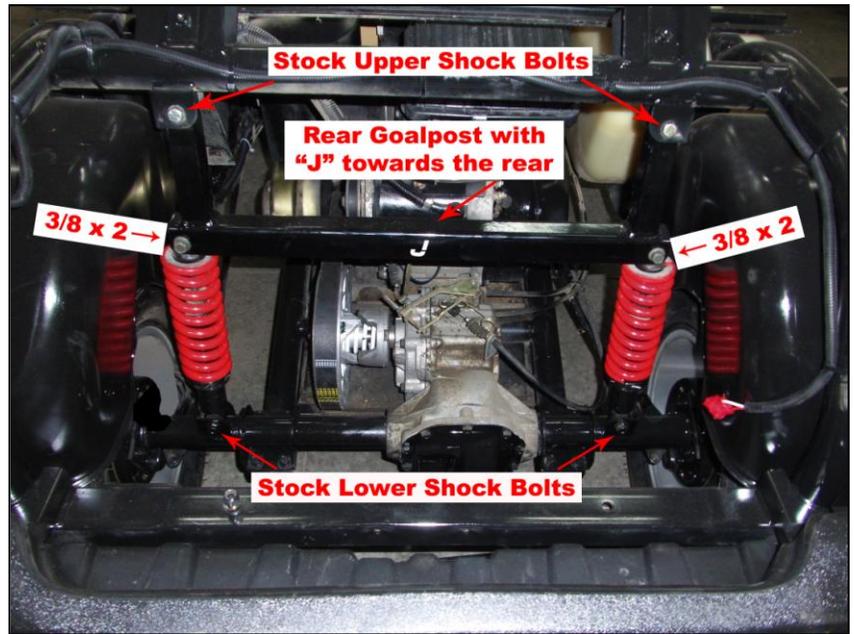


Cart shown with optional stainless steel front bumper Part# 7271



REAR INSTALLATION

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 S) 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 T) 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 U) 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.
15. Install Jake's recommended 23x10.5x12 or 22x11x10 wheels/tires. **NOTE: This lift kit requires offset wheels. We recommend 3x5 or 3x4 offset wheels. Your stock wheels/tires will not work.**



NOTE: Some models may need the inner fenders heated, reformed or cut for tire clearance. Picture above shows Jake's heavy duty rear coil springs Part# 6280. If you install a rear seat these springs are a must to prevent rubbing and rear body sag. These springs also provide a more stable ride.

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