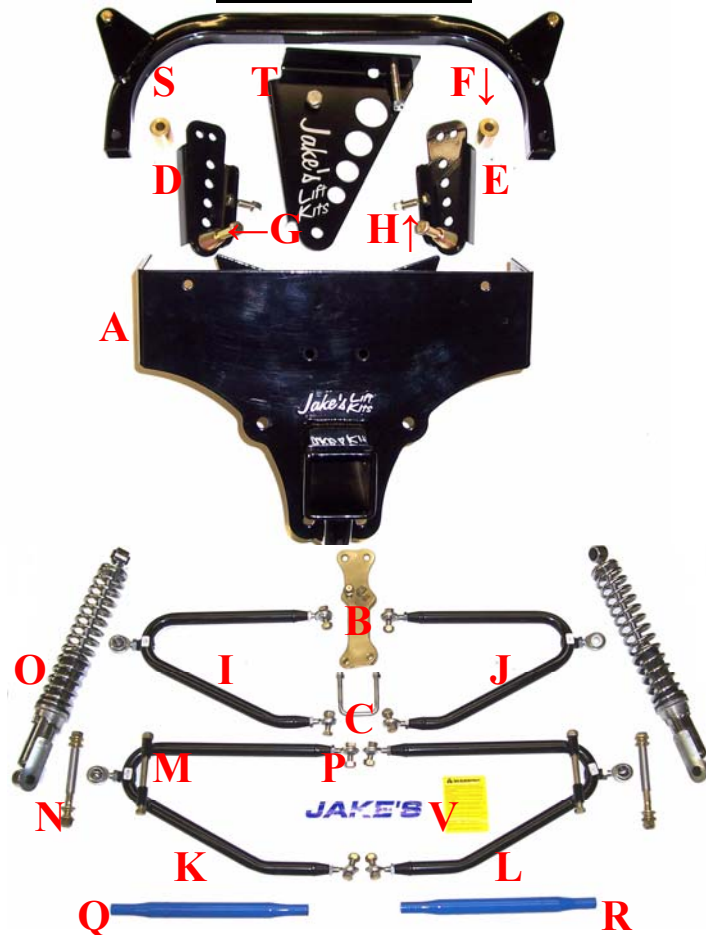


JAKES LIFT KITS

YAMAHA G-8/11/14/16/19/20/21

Patent Pending Long Travel Gas Lift Kit

Part# 6266



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 ADJUSTABLE 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

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, shock mount bolts, and a-arm bolts for reinstallation.
3. Mount the new ductile iron steering extension (ITEM B) to the stock steering 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 shock location as shown in FIGURE 3. **NOTE: The shock mounts are different for each side FIGURE 3 is showing the passenger side!**

Figure 1



Figure 2



Figure 3



Figure 4



5. Using a 3/8" drill bit and the shock mount as a guide drill a hole in the upright shock supports as shown in FIGURE 3. Bolt the shock mounts to the frame using the supplied nuts and bolts (ITEM H).
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 FIGURE 4. **NOTE: Left hand threaded jam nuts are gold. The passenger side tie rod is longer than the driver side tie rod.**
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.
8. Mount the new shocks (ITEM O) to the new shock mounts as shown in FIGURE 6. **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.**
9. Mount the bottom a-arms (ITEMS K & L) to the sub-frame using the supplied nuts and bolts (ITEM P) as shown in FIGURE 7. **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 1/2 turn at a time.**
10. Mount the bottom of the shocks to the bottom a-arms using the supplied nuts and bolts (ITEM M) as shown in FIGURE 7. **NOTE: The shocks have steering stop plates attached to them. These need to face the rear of the cart.**
11. Mount the top a-arms (ITEMS I & J) to the cart using the supplied nuts and bolts (ITEM P).
12. Mount the stock spindles to the a-arms using the supplied nuts, bolts, spindle sleeves, and 1/2" hiem spacers (ITEM N) as shown in FIGURE 8. **NOTE: Each kingpin bolt requires 4 hiem spacers for each side of both hiems.**

Figure 5



Figure 6

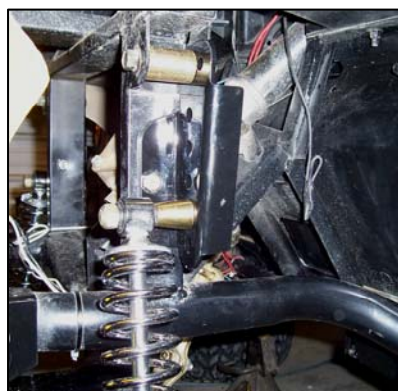


Figure 7



13. Attach the tie rod ends to the stock spindles as shown in FIGURE 9. **NOTE: Tie rods are left hand thread on one end and right hand thread on the other end. Attach tie rods to the steering box and 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.**

Figure 8



Figure 9



Stock Bumper G-14-21



FRONT BUMPERS

Part# 6286



Part# 6285



WITH LIGHT MOUNTS!

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) with the welded ears on each end facing downward and slightly forward towards the front of the cart. The U-shaped goalpost will mount in the existing top shock mount holes using the original bolts and nuts.
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.

NOTE: Some models may need the inner fenders heated, reformed or cut for tire clearance.

