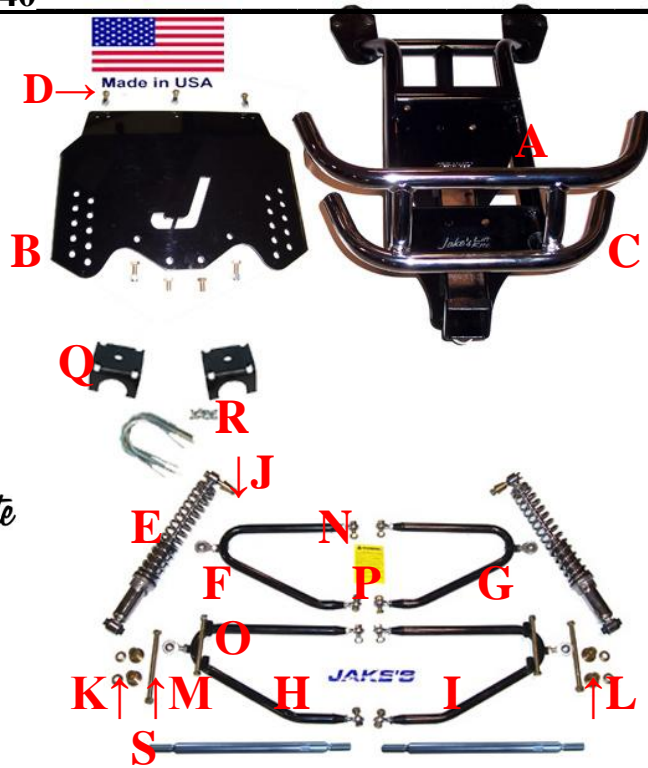


**E-Z-GO Long Travel Lift Kit**  
**ST/Clays Car Gas Models w/ Factory Lift,**  
**Old Style 3-Bolt Steering & Twin Cylinder Motor-Part# 7415**  
**1994.5-2001.5 Med/TXT Gas-Part# 6210**  
**U.S.PAT. 7581740**



*Always wear appropriate eye protection!*

<b>ITEM</b>	<b>QTY</b>
A. JAKES SUB-FRAME	1
B. TOP FRAME SUPPORT	1
C. CHROME FRONT BUMPER	1
D. 3/8" NUTS & BOLTS FOR FRAME SUPPORT	7
E. CHROME COIL OVER SHOCKS	2
F. PASSENGER SIDE TOP A-ARM	1
G. DRIVER SIDE TOP A-ARM	1
H. PASSENGER SIDE BOTTOM A-ARM	1
I. DRIVER SIDE BOTTOM A-ARM	1
J. 7/16" X 3 1/2" BOLTS NUTS & SPACERS	2 OF EACH
K. HIEM SPACERS FOR TOP & BOTTOM OF HIEM	4
L. KINGPIN BUSHINGS	4
M. 1/2" X 6 1/2" KINGPIN BOLT AND NUT	2 OF EACH
N. 7/16" X 1 1/4" BOLTS AND NUTS	8 OF EACH
O. 7/16" X 5 1/2" BOLTS AND NUTS FOR SHOCKS	2 OF EACH
P. WARNING LABEL	1
Q. REAR RISERS	2
R. NUTS AND U-BOLTS FOR REAR LIFT	4
S. TIE RODS (Part# 6210 are purple)	2
T. SHOCK SUPPORTS W/ 7/16 X 1 1/4 BOLTS & NUTS	2 OF EACH (NOT PICTURED)

## FRONT ASSEMBLY

1. Place the cart on jack stands.
2. Remove front tires and wheels.
3. Remove the front cowl.
4. Completely disassemble the front of the golf cart as shown in Figure 1. Save the stock leaf spring bolts & mounting plates, stock spindles, hubs and tie rod ends for reinstallation.
5. Mount Jakes sub-frame (ITEM A) to the stock leaf spring mounting location using the stock nuts, bolts and mounting plates as shown in Figure 2.
6. Using Jakes top frame support (ITEM B) as a guide mark frame using the middle hole. Drill a 3/8" hole in the frame as shown in Figure 3 and drill the remaining 2 holes to 3/8".
7. Mount Jakes top frame support (ITEM B) to the frame and Jakes sub-frame (ITEM A) using the supplied nuts and bolts (ITEM D) as shown in Figure 4.

**Figure 1**



**Figure 2**

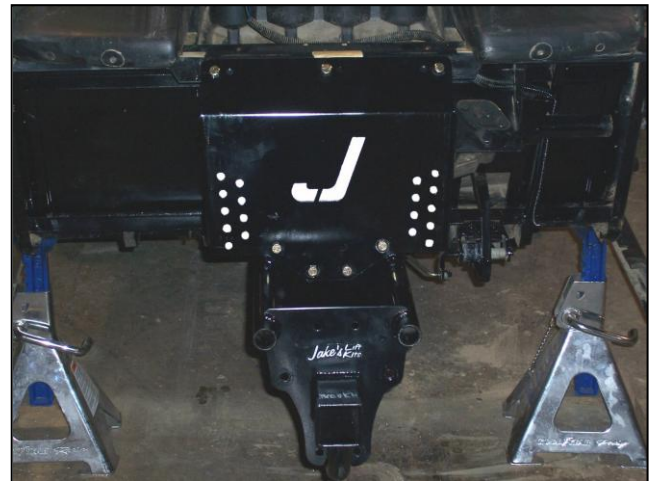


**Figure 3**



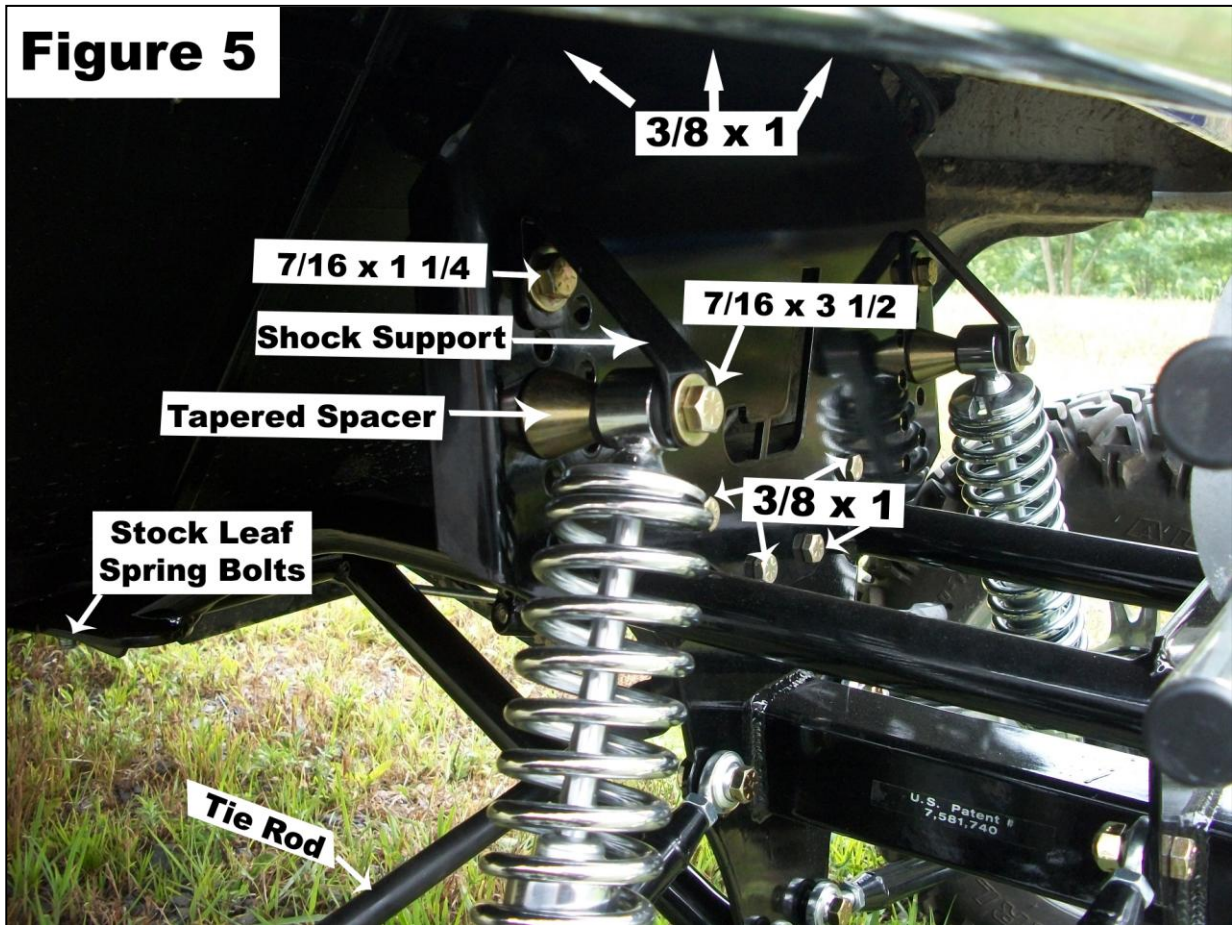
8. Mount Jakes coil over shocks to the top frame support (ITEM B) with the appropriate hardware (ITEMS J & T) shown in Figure 5. **NOTE:** The larger end of the shock spacer goes against the frame support. **NOTE:** There are several locations to mount your shocks. Outside holes are for a stiffer ride and inside holes are for a softer ride. The top hole on the outside is for a 4" lift. Each hole below lifts the cart an additional 1". **NOTE: WE DO NOT RECOMMEND THIS KIT BE SET HIGHER THAN 6" DUE TO FACTORY STEERING LIMITATIONS.**
9. Mount Jake's bottom A-Arms (ITEMS H & I) to the sub-frame using the appropriate hardware (ITEM N) as shown in Figure 6. **NOTE: A-Arms are marked P-Top, P-Bottom, D-Top, D-Bottom. P=passenger side, D=Driver side.**

**Figure 4**





**Figure 5**

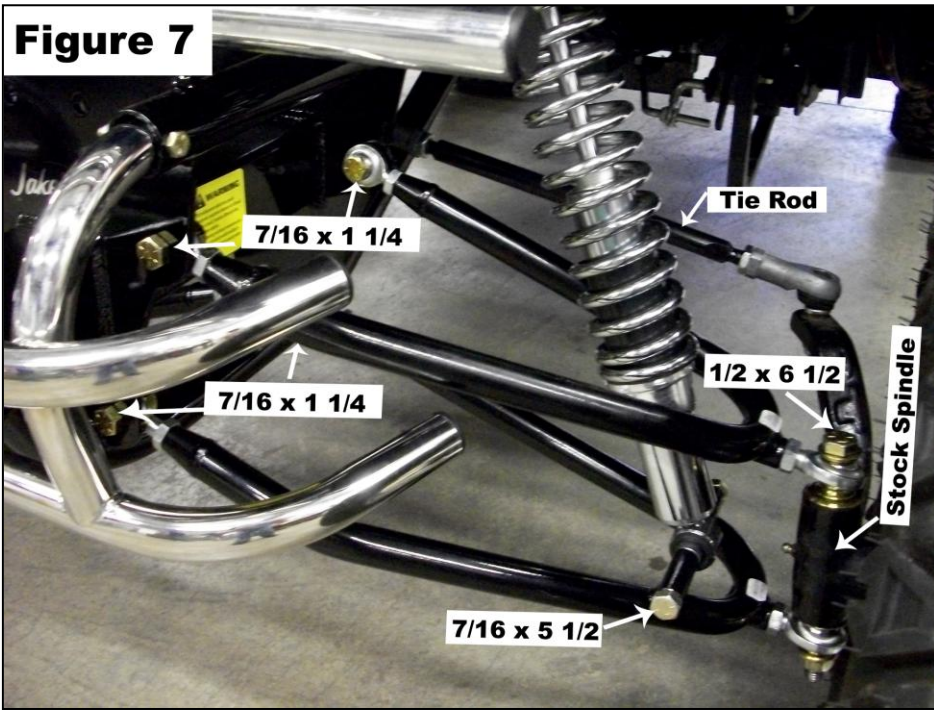


10. Mount the shocks to the bottom A-Arms using the appropriate hardware (ITEM O) as shown in Figure 6.
11. Mount Jake's top A-Arms (ITEMS F & G) to the sub-frame using the appropriate hardware (ITEM N) as shown in **Figure 6** figure 7.
12. Place the kingpin bushings (ITEM L) in the stock spindles as shown in Figure 8.
13. Attach the spindles to the A-Arms using the supplied nuts, bolts (ITEM M) and heim spacers (ITEM K) as shown in Figure 9.
14. Take the stock tie rods ends and attach them to Jake's tie rods. **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.
15. Mount Jake's chrome front bumper (ITEM C) to the sub-frame using the supplied nuts and bolts as shown in Figure 10.
16. **SECURELY TIGHTEN ALL NUTS AND BOLTS.**

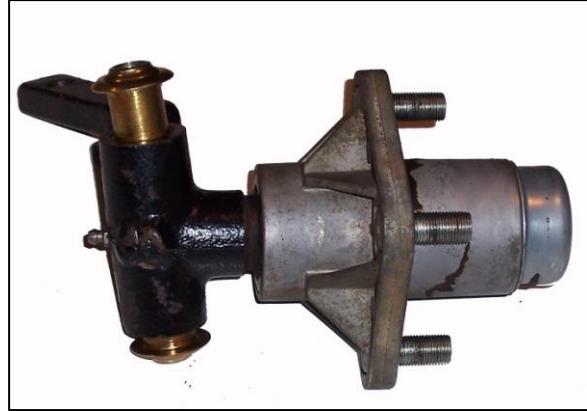




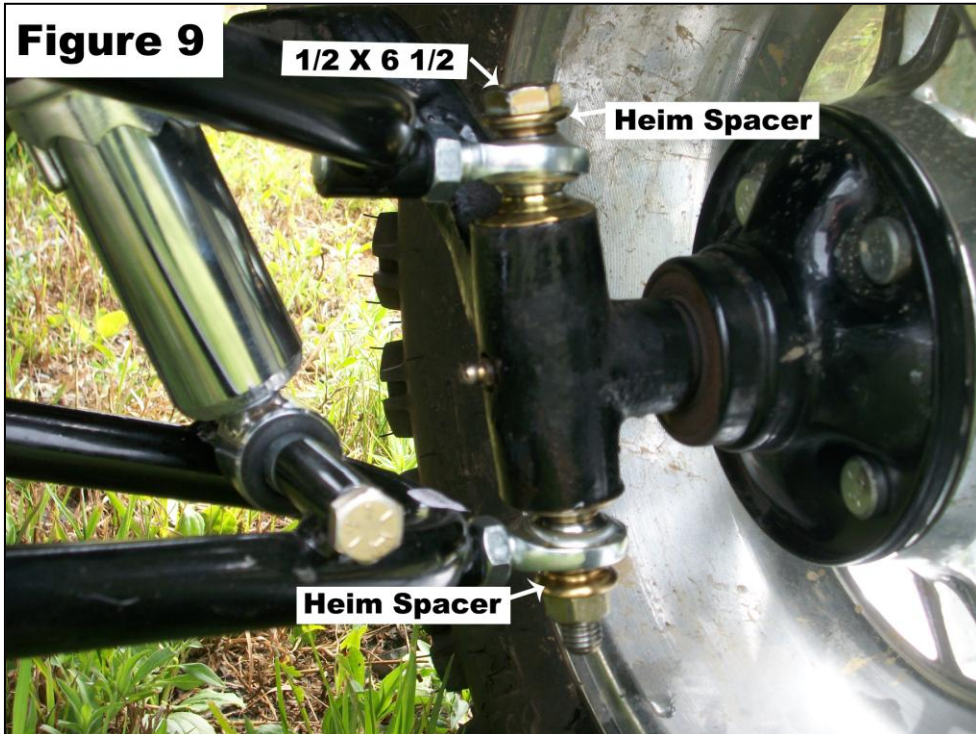
**Figure 7**



**Figure 8**



**Figure 9**

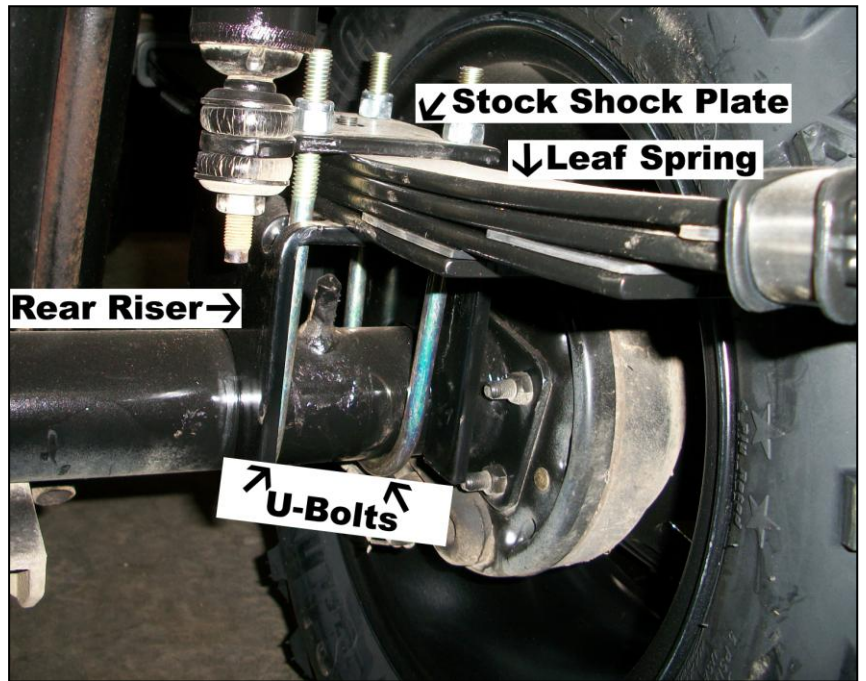


**Figure 10**



## REAR INSTALLATION

1. Jack up the rear end of the cart and place jack stands on the frame in front of the springs. Place a car jack under the rear-end housing. You will be installing larger wheels and tires so raise the cart high enough to accommodate the additional height.
2. Remove the wheels and tires.
3. Unbolt the bottom of the shocks. Clean and lubricate these bolts for later use.
4. Remove the aluminum/rubber ISO mount and leaf springs from the cart. The ISO mount will not be reused. Save the stock leaf spring bolts and nuts for reinstalling the leaf springs. Using the car jack lower the rear-end of the cart.
5. Place JAKES rear riser (Item Q) on the axle as shown in the picture. Use the centering pin as a guide as to where the riser should be placed.
6. Place the leaf springs on top of the rear risers. Bolt the front of the springs into place.
7. Place the stock shock plate on the top of the springs. Bolt the rear together as shown in the picture using the supplied u-bolts and nuts (Item R). Bolt the rear of the springs into place using the stock bolts.
8. Attach the bottom of the shocks to the new location of the shock mounts using the stock bolts.
9. Double check all nuts and bolts for tightness.
10. We suggest installing no larger than 23x10.5x12 or 22x11x10 tires on 3x4 offset wheels for maximum performance. **NOTE:** For standard model golf cars your stock wheels and tires will work but are **not** recommended!
11. Included is a warning label (Item P) which is to be placed on the steering column or another visible area and is to be read by all operators.



### Indemnification And Insurance Agreement

High Performance Enhancement Kit purchaser assumes sole and entire responsibility for, and shall indemnify and save harmless Nivel LLC, from any and all claim, liability, responsibility, and persons or property that may be sustained in connection with the use of any product before or after purchase, including but not limited to high performance enhancement lift kits. The High Performance Enhancement Kit purchaser also shall indemnify Nivel LLC harmless with respect to any and all liability that may be incurred.

Golf Cars are recommended for use only by those aged 16 and older. Golf Cars can be especially hazardous to operate. Always remember that riding and alcohol/drugs don't mix. Never ride on public roads. Never carry more than two passengers (except shuttles and trams). Never engage in stunt driving. Avoid excessive speeds and be particularly careful on difficult terrain. Nivel LLC reserves the right, at any time, to discontinue or change specifications, prices, designs, features, models, or equipment without notice and without incurring any obligation.



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