

Club Car DS 3" Lift Kit

1981-04.5 DS Electric, 1996.5-04.5 DS Gas Part# 6231-3LD

2004.5 & Newer DS Gas/Electric Part# 6234-3LD

U.S. Patent# 7185901

Installation Instructions



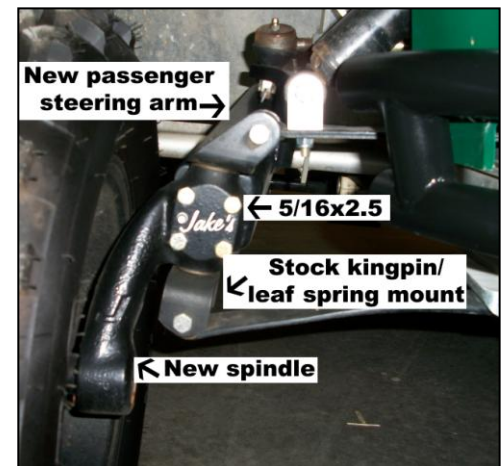
<u>ITEM</u>	<u>QTY.</u>
A. Passenger side spindle	1
B. Driver side spindle	1
C. Passenger side steering arm	1
D. Driver side steering arm	1
E. Nuts & bolts for steering arms	8
F. Warning label	1
G. Rear Risers	2
H. Rear Shock Mounts	2
I. U-Bolts	2



Always wear appropriate eye protection!

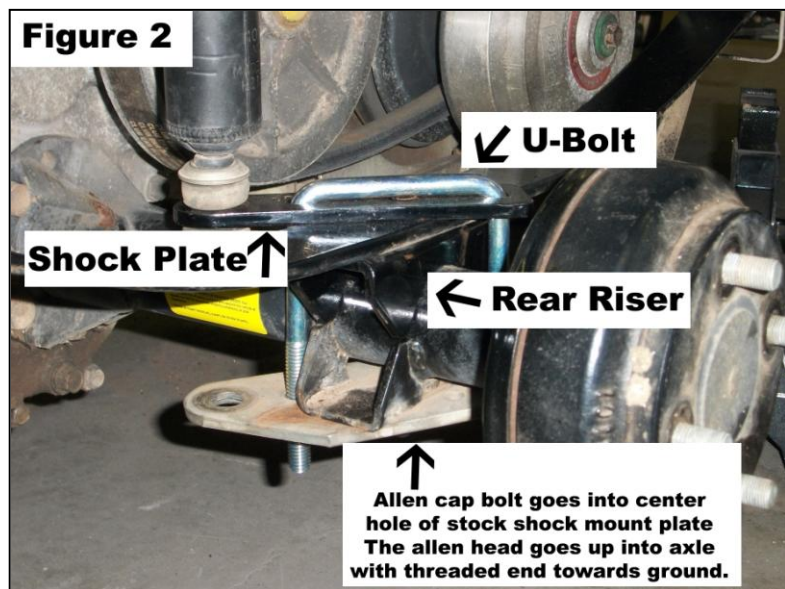
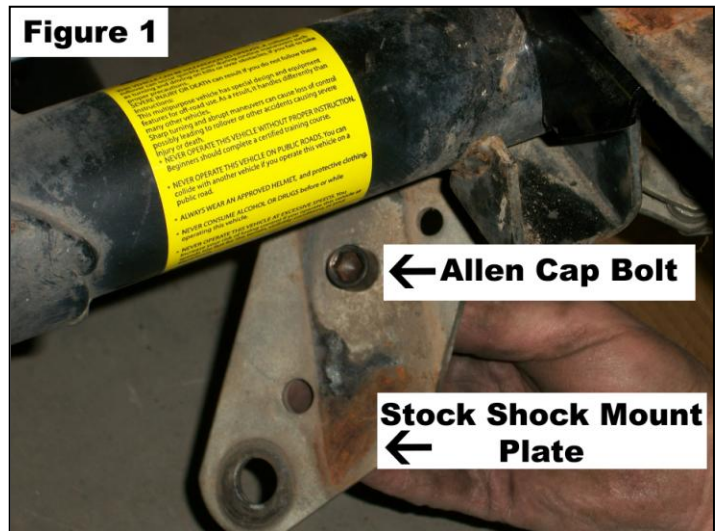
FRONT INSTALLATION

1. Jack up the front end of the cart and place it on jack stands.
2. Remove wheels and tires.
3. Remove the stock hubs from the spindles.
4. Remove the tie rod ends from the spindles.
5. Remove the spindles from the front axle. Clean and lubricate these bolts for the reinstallation of the spindles.
6. Using the supplied nuts and bolts (Item E), bolt the steering arms (Items C&D) to the rear of JAKES spindles (Items A&B). **NOTE:** The spindles and steering arms are side specific. The above picture shows the spindles and steering arms assembled for a guideline.
7. Install JAKES spindles to the stock spindle location.
8. Reattach the tie rod ends to the new spindles. If your cart does not have tapered tie rod ends you will need to enlarge the tie rod end holes in our steering arms to 1/2".
9. Securely tighten all bolts & re-install hubs. **NOTE: If you purchased Part# 6231-3LD use the stock hardware. If you purchased Part# 6234-3LD use the supplied slotted nuts and cotter pins.**
10. Install wheels and tires. 20" tires are recommended with all 3" lifts but in some cases 22" tires may fit.
11. Take the cart off of the jack stands and lower the cart.
12. Drive the cart forward 10-20 feet and check the toe-in. (Proper toe-in should be approximately 1/8".)
13. Included is a warning label (Item F) which is to be placed on the steering column or another visible area and is to be read by all operators.



Rear Installation

1. Jack up the rear end of the cart and place jack stands on the frame in front of the springs. You will be installing larger wheels and tires so raise the cart high enough to accommodate the additional height. Place a car jack under the rear-end housing on the cart.
2. Remove the wheels and tires.
3. Remove the U-bolts from the rear axle on both sides of the cart.
4. Remove the spring shackles bolts and shocks. Clean and lubricate the shock bolts and save them to reattach the shocks later.
5. Remove the springs from under the axle on both sides of the cart. Save the hardware for reinstallation. Lower the rear end using the car jack.
6. Place the provided allen cap bolt (Item J), (allen head up) in the center hole of the lower stock brake cable mount plate to center rear axle as shown in Figure 1.
7. Place Jake's rear risers (Item G) over the axle as shown in Figure 2..
8. Line the axle with the supplied allen cap screw (Item E) as shown in Figure 2.
9. Place the springs on the top of the rear lift mounts with the center bolts of the springs in the hole of the rear lift mounts as shown in Figure 2. Using the stock hardware loosely mount the leaf spring to the stock front leaf spring mount.
10. Place Jake's top rear shock mounting plates (Item H) over the springs with the shock mounts facing in and to the rear as shown in Figure 2.
11. Put the U-bolts (Item I), through Jake's shock mount plate and through the factory shock mount plate. Using the supplied nuts, tighten the U-bolts as shown in Figure 2.
Securely tighten.
12. Using the factory nuts and bolts attach the shocks to the new shock mounts.
Note: If you have an older model gas cart and your shock has an eye on the bottom instead of a stem you need to bend this plate 90 degrees. Using the stock hardware mount the leaf springs to the stock rear leaf spring mount.
13. Securely tighten all bolts.
14. Install wheels and tires. 20" tires are recommended with all 3" lifts but in some cases 22" tires may fit.



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.