

28920 Lift Kit for 2001.5 & Newer EZ-GO TXT Gas Powered Models

INSTALLATION INSTRUCTIONS

Install Rear Lift



! CAUTION !

Always disable the vehicle by disconnecting the main battery Negative (-) cable from the battery before beginning this installation.

1. Raise the entire car completely off the ground and support it with 4 jack stands placed under four solid points of the chassis. Leave the front and rear suspension **unsupported** since both will be removed and altered. Next remove the front and rear wheels and set them aside.
2. Move a floor jack under rear axle center section. Disconnect the bottom end of the rear shock absorbers from the car and save the hardware for reuse. Push the shocks up and out of the way. Remove leaf spring shackles from rear of leaf springs (save for reuse).
3. Remove the bolts securing the rear axle assembly to each of the leaf springs. Remove the front bolt securing the leaf springs to the chassis, then slide the springs up and over each axle housing. Reattach the front of each front leaf spring to the chassis.

NOTE: The rubber bushing and mount cap which was holding the axle mount, will be reinstalled upside down, so that it will clamp the axle assembly UP to the spacer block & spring.

4. Cut a notch in the rubber bushing so it will fit around the axle housing locator pin, in the inverted position. Install the rubber bushing and mount cap from the bottom up.
5. Install the "U" bolts from the top of the shock absorber mount plate, down through the mount cap. Install the nuts and lock washers and snug up the bolts. After all is in place, tighten all the nuts and bolts. See torque specifications below. See figure 3.

NOTE: Be sure to alternate from side to side evenly when snugging the nuts on the "U" bolts, to assure the aluminum mount cap is not stressed and broken when tightening.

Torque Specifications:

3/8" bolts = 30 - 35 foot pounds.

Tie Rod castle nuts = 35 - 40 foot pounds.

Tighten the shock nuts until the cushion expands to the size of the washer

Install Front Axle Lift

1. Remove the cotter pin and castle nut holding the steering rack rod end to the right steering arm at the right wheel. Then remove the rod end from the steering arm. You may need a tie rod removal tool or Pickle Fork (sometimes called) to remove the tie rod end from the steering arm.
2. Remove the King Pin nuts and remove the front steering spindles from the front axle. Disconnect the lower end of the front shock absorbers. Now remove the 6 nuts and bolts securing the front axle to the front leaf springs.



Figure 1 - Kit Components

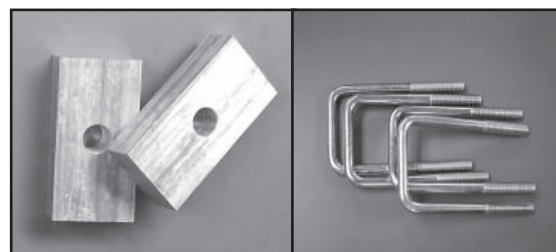


Figure 2 - Spacer Blocks & U Bolts

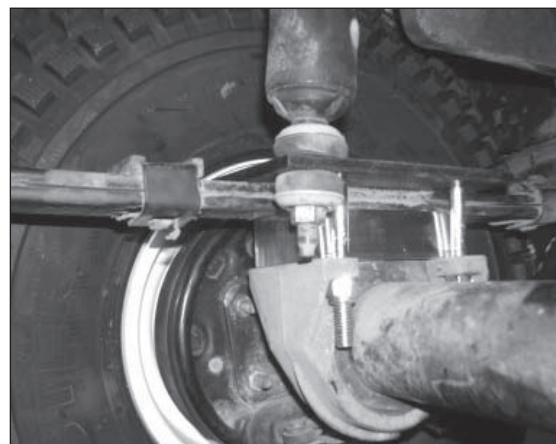


Figure 3 - U Bolts

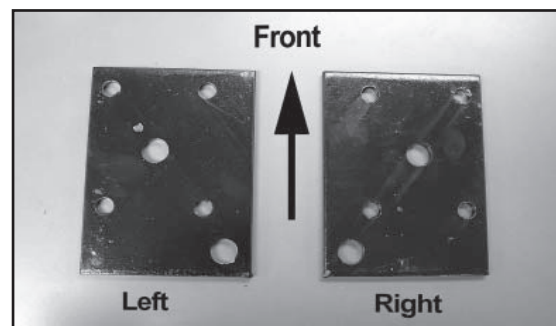


Figure 4 - Spring Plates

3. Install the new Drop Axle (Figure 5) onto the front leaf springs, using the existing hardware and upper spring plates. Tighten the mounting bolts to 30 ft lb of torque.
4. Install the original steering spindles into the new front axle assembly, using the original King Pin bolts and nuts. Tighten King Pin bolts and nuts to 40~50 ft lb.
5. The bottom end of the front shock absorbers can now be installed. Be sure to tighten the mounting nuts until the rubber bushings expand to the diameter of the steel washers.
6. Install the Tie Rod End Riser (Figure 6) onto the right steering spindle arm. Torque the bolt to 35 ft lb. See figure 7.
7. Install the steering rod Tie Rod end onto the Tie Rod End Riser and tighten the bottom nut to 35 ~ 38 ft lb and install a new cotter pin (available locally) through the Tie Rod End castle nut. If the slots for the castle nut are not aligned, tighten the nut until they do. **Never loosen the nut for cotter pin alignment.**
11. Install all four wheels you will be using with your lift kit. Always snug lug nuts in a criss-crossing pattern. Lower the car to the ground, lock the park brake and torque lug nuts to 50~60 ft lb (also using the criss-cross tightening pattern).
12. Align the front wheels so that they have 1/8" of toe in.

NOTE: Install the Safety Notice Sticker in a prominently visible location, preferably on the cars dash area. For best results, prepare the surface by cleaning with rubbing alcohol before applying the sticker. See figure 7.

This completes the installation process.

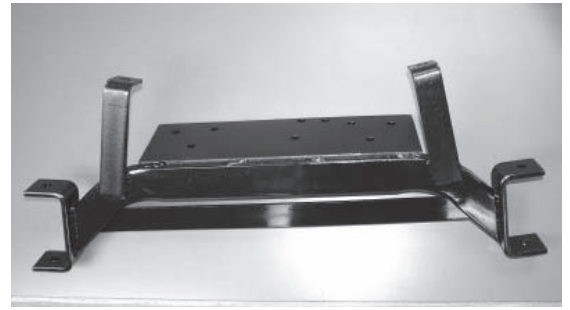


Figure 5 - Front Drop Axle Assembly



Figure 6 - Tie Rod Riser



Figure 7 - Tie Rod Riser Installed

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.

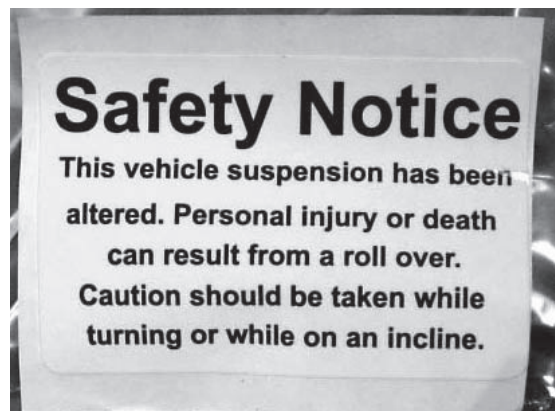


Figure 8 - Vehicle Safety Notice