

Speed Reduction Kit Installation Instructions Model 435/436

The following instructions are to be used to complete the installation of a speed reduction kit. Read these instructions completely before starting the installation.

Parts Included in Kit

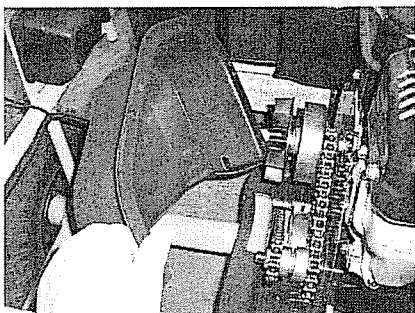
- (1) 8720 Sprocket
- (1) 12093 Bushing
- (1) 13559 Chain
- (1) 2037 Master Link

Tools required for installation

- (1) Ratchet or Air Hammer
- (1) 15/16 inch wrench
- (1) 15/16 inch socket
- (1) 3/8 inch nut driver
- (1) Needle-nose pliers
- (1) 1/2 inch socket

Remove Plastic Cover

Remove (5) bolts using the 3/8-inch nut driver and place the cover and bolts aside.



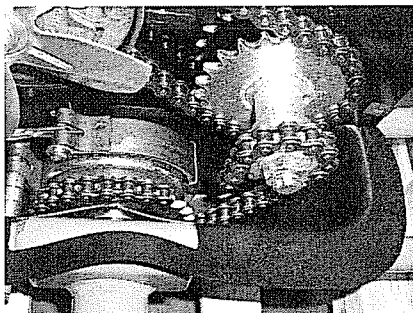
Loosen Engine Mounting

Use the 1/2-inch socket to loosen the 4 nuts beneath the engine mounting plate. Do not remove these nuts.



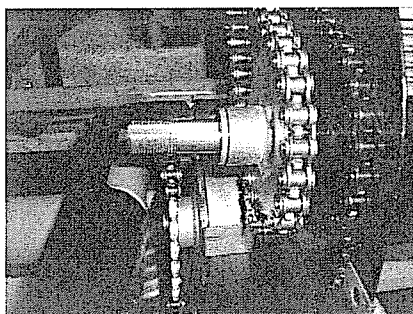
Remove Chain

Use the needle-nose pliers to remove the master link, and then remove the chain from the sprocket.



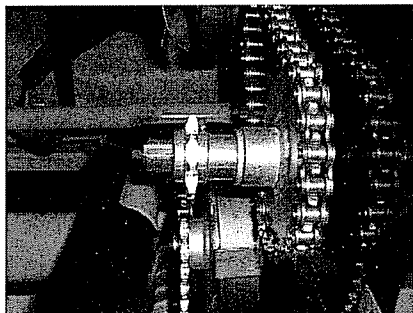
Remove Sprocket

Remove the 15/16 nut from the jackshaft, then slide off the existing sprocket, key, and one washer.



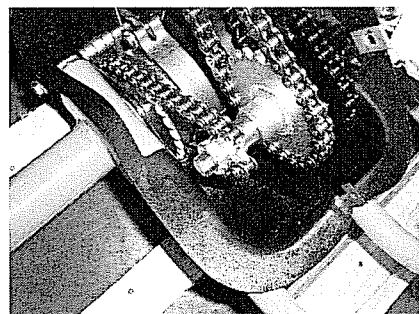
Install New Sprocket

Slide the enclosed bushing spacer onto the jackshaft, and then slide the new sprocket onto the jackshaft, ensuring proper key alignment. With the new sprocket in place, install & tighten the 15/16 nut that was removed in the previous step.



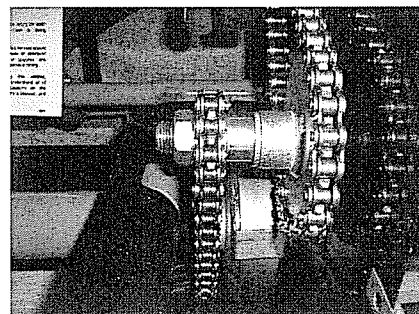
Install New Chain

With the new sprocket properly installed and the engine loose on its mounting plate, install the enclosed 40P chain using the master link.



Tighten Chains

To achieve proper tension on both of the chains, slide the engine towards the front of the kart and the jackshaft toward the rear of the kart until there is approximately 1/4-1/2 inch of play in the chains. Once this is achieved, hold the engine in place and tighten the four nuts below the engine.



Install Cover

Place the plastic cover that was removed in step one in its original location and bolt down using the 3/8-inch nut driver.

