

INSTRUCTIONS & INFORMATION



SNOWTHROWER ELECTRIC LIFT KIT

Part Number 503329 - 700 & 900 tractors

Part Number 503338 - 600 tractors

Use with Grasshopper Snowthrower models 412 & 512 with serial number 5900000 & above

On 700 & 900 tractors equipped with Gemini transmissions, Lift Mount #824147 (not included) is required in place of 645555. (order separately)

INSTALLATION INSTRUCTIONS:

(refer to illustration on page 3)

- Place unit on a flat level surface.
- Disengage PTO and stop engine.
- Set park brake and remove key from ignition.
- Remove mower deck or other attachment from tractor.
- Remove the PTO shield and the right attachment mount. Shield will be reinstalled.
- Install the electric lift mount (item 1) where the right attachment mount was removed. Use 645555 (included in 503329 kit) for 700/900 series tractors. Use 645554 (included in 503338 kit) for 600 series tractors. Secure with two .375-16 x 1 whiz bolts and nuts (items 2 & 3).
- Reinstall PTO shield with spacer (item 4) between tractor frame and shield's left mounting tab. The right side mounting tab sets on the right attachment mount. Secure shield with two .375-16 x 1.25 whiz bolts and nuts (items 5 & 3).
- Install bushings (item 6) in lift mount holes that measure closest to 8.25 inches from the floor. The measurement should be made while the unit is setting on a smooth flat surface with the operator sitting on the seat.
- Secure bushings with .375 x 2.75 carriage bolt and .375-16 nylon insert nut (items 7 & 8).
- Locate and slide the lift arms (item 9) into the openings of the tractor's front supports. Secure them in position with the .25-20 x 2 bolts and whiz nuts (items 10 & 11).
- Remove existing shield from snowthrower.
- On the snowthrower mount pull out on the spring loaded mount latch pins and rotate 90° so that they are in an open position. Attach snowthrower to tractor by placing the arm mount clevises over the nylon bushing bolted into the attachment brackets.
- Attach the two electric lift pivot mounts (item 12) to the snowthrower mount with .375-16 x 1 whiz bolts and nuts (items 2 & 3). Do not tighten at this time.
- Install the electric lift pivot (item 13) into the yokes of the pivot mounts. Secure in place with two .375-16 x 2 bolts and lock nuts (items 14 & 15). Now tighten the bolts installed in previous step so that lift pivot is allowed to pivot freely within yokes.
- Locate the two lift linkage straps (item 16) and install to outside of each mount lift arm (item 9) with .375 x 1.5 clevis pins (item 17) through the short slot in strap. Secure with .375 washer (item 18) and hair pin (item 19). Attach the opposite ends of the linkage straps to the outside brackets on the lift pivot. Secure each with a .375 washer and hair pin (item 18 & 19).
- Locate the actuator (item 20) and attach the