

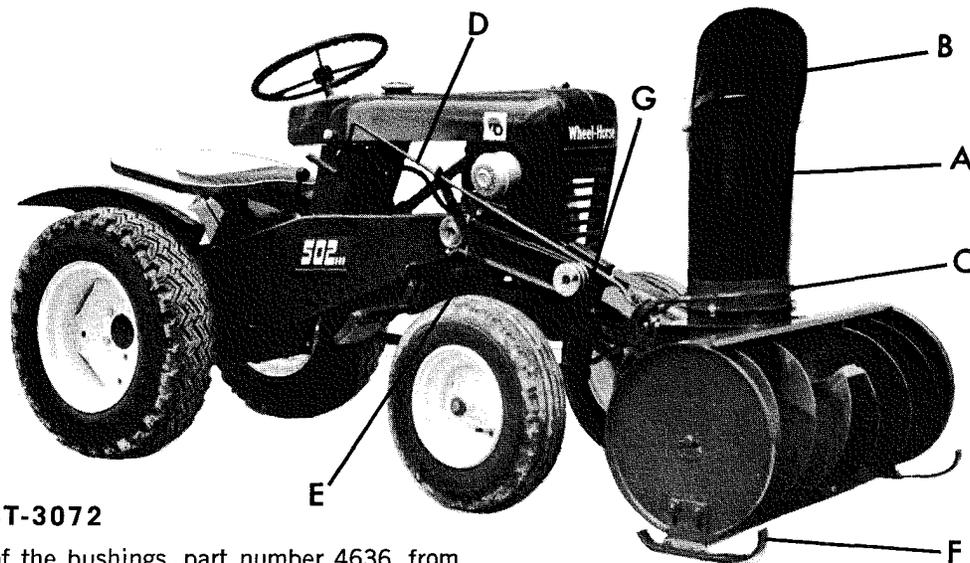
PARTS LIST AND INSTRUCTIONS



Wheel Horse®

WHEELHORSE PRODUCTS, INC. • SOUTH BEND, IND.

SNOW THROWER ST-3072 & ST-302



ASSEMBLY ST-3072

Remove one of the bushings, part number 4636, from the top of the shroud, install chute, part number 4605 "A", and replace bushing. (Be sure bushing turns freely before securing with lock nut.) Fasten the chute deflector, part number 4609 "B", to chute with the two $\frac{1}{4}$ " x $\frac{1}{2}$ " machine screws, part number 1437, and wing nuts, part number 1327. Place the 45" V-belt, part number 1581 "C", around the chute and the eye bolt sheave and install spring, part number 1014.

Insert pivot crank, part number 4637 "D", through hole in the end of the pivot crank support, part number 4644, then hook pivot crank to the eye bolt sheave. Fasten the front mounting supports, part number 2519, to the tractor frame using the four $\frac{3}{8}$ " x $1\frac{1}{4}$ " bolts, part number 1426, and secure the pivot crank support to the right side with the same bolts.

Install the two 31" V-belts, part number 1580, and adjust the clutch rod, part number 4096 "E", so that the belts have the proper tension when the attachment clutch pedal is pushed forward to the locked position. Fasten the belt idler bracket, part number 4617, to the engine with the $\frac{5}{16}$ " x $\frac{1}{2}$ " bolt, part number 1195 and adjust so that it holds the belt when the attachment clutch pedal is released. (Note: Belt idler bracket should not touch the belts when running.)

Fasten the lift arm, part number 1949, to the lift assembly, part number 4638, with the $\frac{3}{8}$ " x 1" bolt, part number 1425. (Be sure lift arm is installed with the $\frac{3}{8}$ " hole toward the front.) Remove the lift cable from the bottom hole in the tractor lift and install the other end of the lift arm, in the bottom hole with the $\frac{1}{4}$ " x 1" bolt, part number 1439.

ASSEMBLY ST-302

When mounting the ST-302 snow thrower, install the mounting bracket, part number 4630, first and then fol-

low the assembly instruction for the ST-3072. It is necessary to install the clutch pedal, part number 4656, and the belt guard, part number 3819. (Note: The ST-302 uses a single 74" V-belt, part number 1582, instead of the double belt drive necessary on the ST-3072.) The ST-302 also uses a different lift rod, part number 4651, one end of which is fastened to the bottom of the lift lever and the other end to the lift assembly, part number 4638.

OPERATION

The adjustable chute allows the operator to control the direction the snow may be thrown by turning the convenient pivot crank. The upper part of the snow chute is adjustable to deflect the snow in an upward or downward direction depending upon conditions. There are also skids "F" on each side which may be raised or lowered to prevent the snow thrower from catching on uneven surfaces.

Under some conditions, it will be necessary to coat the auger, chute, and the inside of the shroud with paraffin or wax to prevent snow and ice from sticking. Best results are obtained with slow forward movement of the tractor and high auger speed. Therefore, under normal conditions, the tractor should be operated in first gear with full throttle.

LUBRICATION

Before operating, fill gear box "G" to the level of filler plug with No. 90 oil. The oil level should be checked occasionally. The drive chains should be oiled with a light grade of machine oil, all other bearings and moveable parts should be oiled frequently. In storing the snow thrower, it is advisable to coat the auger with a heavy machine oil to prevent rust.

