

BOLENS®
FMC CORPORATION®

SNOW THROWER

42 INCH

MODEL 19240-01

WITH PUSH ARM ASSEMBLY

MODEL 19250-01



OWNER OPERATION AND MAINTENANCE MANUAL

PORT WASHINGTON, WI

Printed in U.S.A.

MODEL NUMBER

To ensure prompt service when repairs or adjustments are required, your Bolens Dealer must have the following information:

For your own personal reference, fill in the space provided below.

Model Number of Snow Thrower 19240-01

Serial Number of Snow Thrower _____

Model Number of Push Arms 19250-01

Serial Number of Push Arms _____

Your Bolens Dealer has available a Parts List for your unit. He can identify any parts you may require and furnish genuine factory replacements.

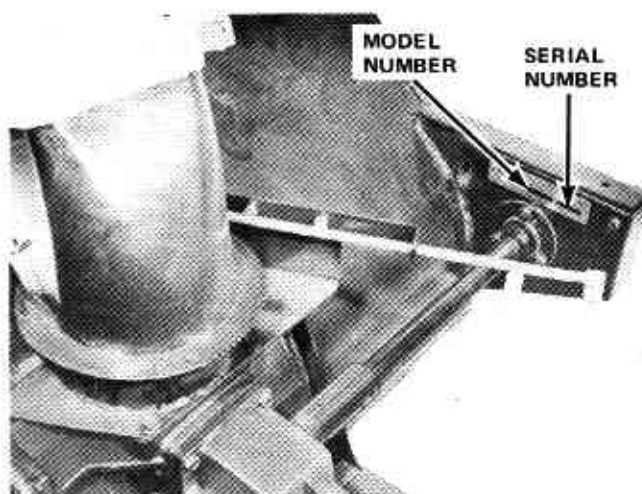


Figure 1

ASSEMBLY

Assemble Snow Thrower to the Push Arm assembly and secure with 4 hex capscrows 3/8-16 x 2-1/4, lockwashers and hex nuts 3/8-16 supplied. See figure 2.

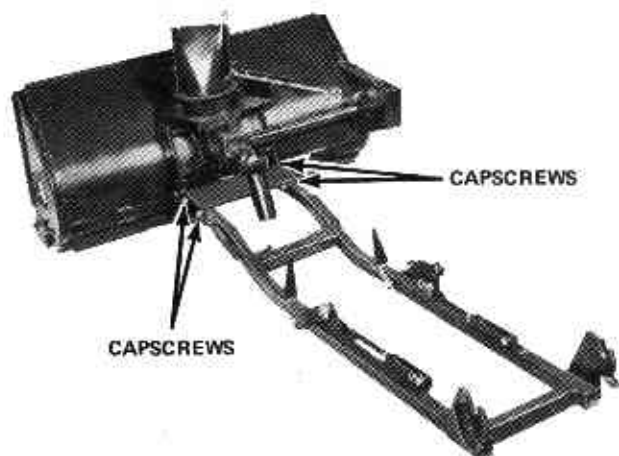


Figure 2

Install latch assemblies to the tractor as follows:

1. Install latch spring into the latch. The end of the spring with the two bends goes into the hole in the latch; see sketch figure 3. The end of the spring with the single bend goes into the tractor latch bracket; see figure 3.

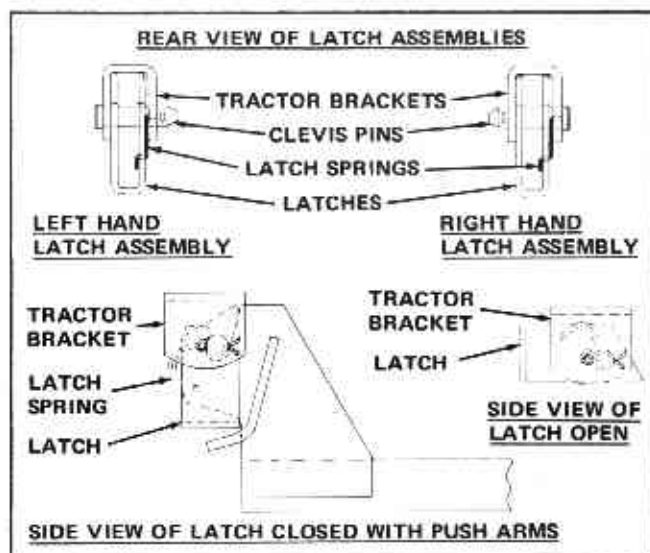


Figure 3

2. Secure latch into latch bracket with 5/8 x 2-1/4 clevis pin supplied and 1/8 x 1 cotter pin.

3. Set latch in the open position; see figure 3.

Remove drag link pins from the bolster of the tractor and store them with the mower.

Lock mower swinging arms up.

Drive tractor over push arms until hitch points match up.

Position push arm assembly ears to the outside of the tractor bolster ears. See figure 4.

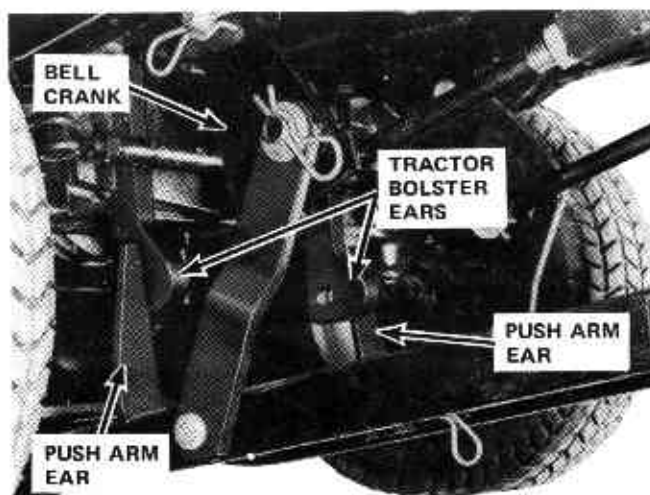


Figure 4

Raise rear of push arm assembly until it mates and locks into latch bracket. See figure 5.

Make sure that latch is in full lock position as shown in figure 5.

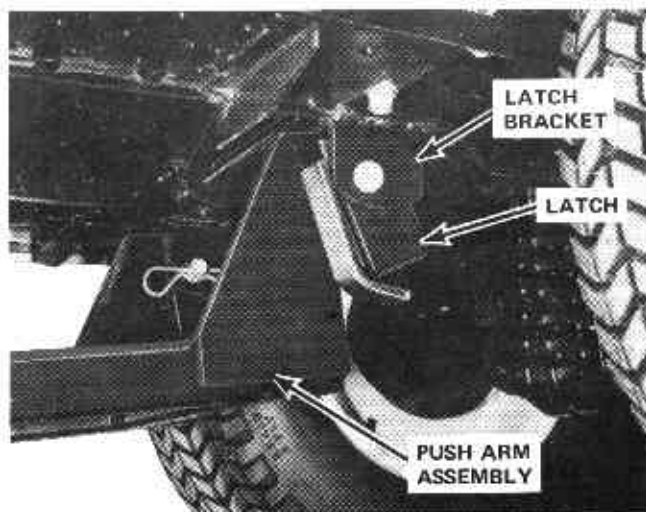


Figure 5

Position end of bell crank into front tractor hitch point. Secure with clevis pin $5/8 \times 2-1/8$ and $3/16 \times 1$ cotter pin. See figure 4.

Place hydraulic lift midway between the full up and down position. Align holes in the lift rod clevises and the lift arms. Secure with clevis pin $5/8 \times 1-27/32$ and spring cotter; see figure 6.

This position will give you adequate down pressure and lift on the Snow Thrower.

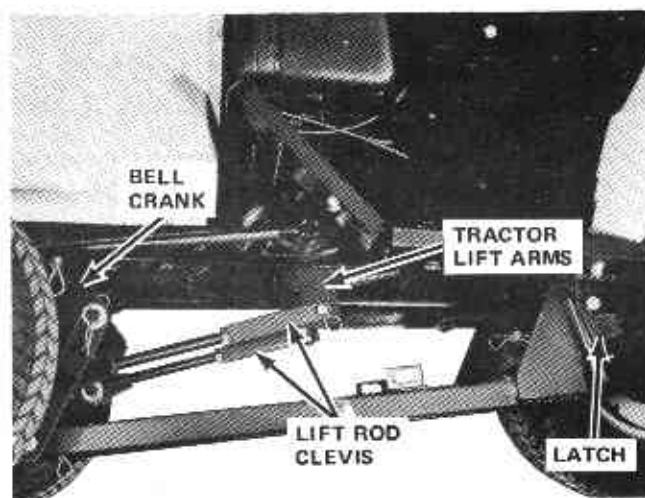


Figure 6

Grease square drive shaft on Snow Thrower and slide universal onto it. Grease front attachment drive shaft. Depress lock collar on universal joint and slide onto front attachment drive shaft until collar locks into locking groove.

IMPORTANT

ALWAYS REMOVE UNIVERSAL JOINT FROM ATTACHMENT DRIVE SHAFT IF SNOW THROWER IS REMOVED FROM TRACTOR. IF THE UNIVERSAL JOINT IS NOT REMOVED AND THE ATTACHMENT DRIVE IS ENGAGED, DAMAGE WILL RESULT FROM WHIPPING ACTION OF THE FREE UNIVERSAL JOINT.

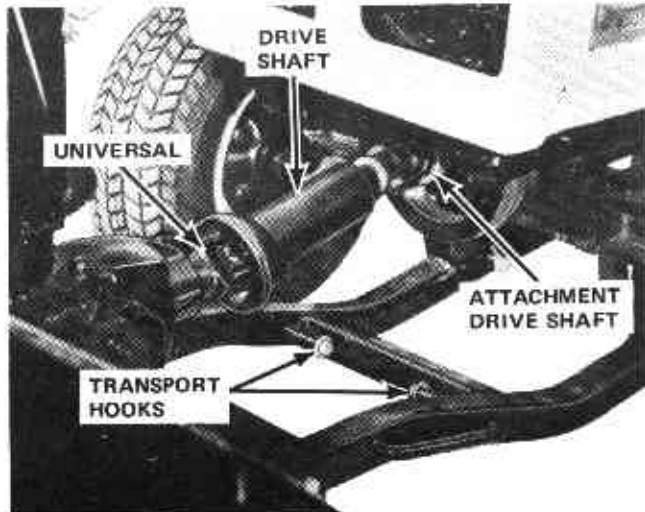


Figure 7

CHUTE CONTROL CRANK

To mount the chute control crank install $3/8-16$ lock nut onto eye bolt. Place $3/8$ flat washer onto eye bolt. Thread eye bolt into threaded hole in the Right side of tractor instrument panel; see figure 8. Tighten hex nut securely to lock eye bolt in position.

NOTE: Bend of eye bolt must be up.

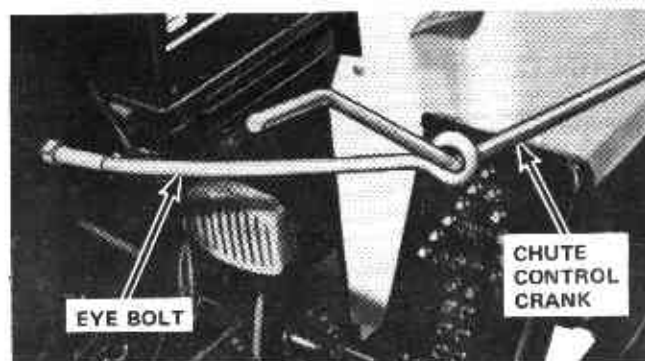


Figure 8

Pass the crank end of the chute control crank through eye bolt from the front. Install hook end of crank into swivel block on chute control pinion shaft and secure with $1/8 \times 3/4$ cotter pin. Install plastic grip over end of crank handle. See figure 9.

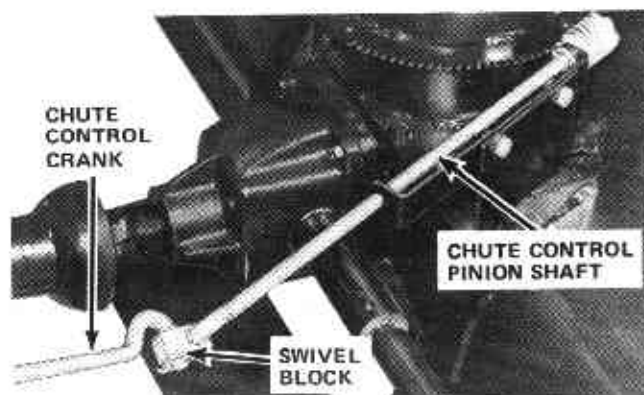


Figure 9

The skid shoes are mounted to the lower outside of the rotor housing. The mounting holes in the shoes are slotted so the unit can be raised to allow the scraper blade to clear most gravel or stone surfaces or lowered for cleaning a smooth surface. These shoes are reversible for additional wear surface.

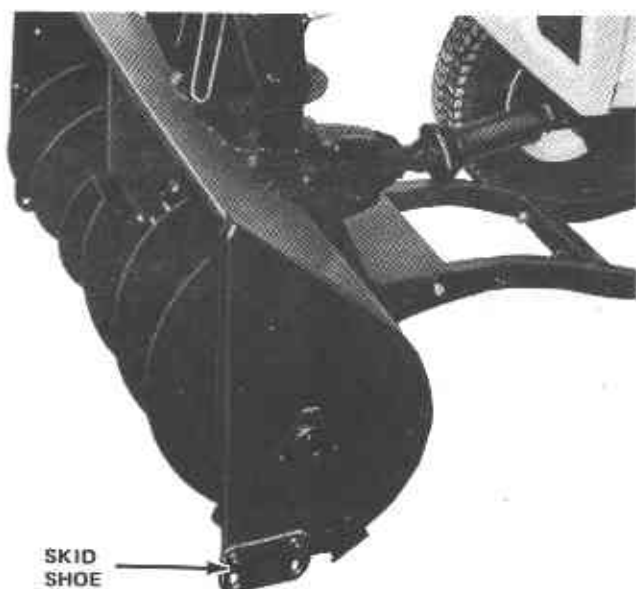


Figure 10

CHAIN TENSION

To adjust chain tension loosen hex nut and bolt, figure 11. Move idler sprocket down in slot until slack is out of chain. Securely retighten hex nut and bolt, figure 11.



Figure 11

DRIVE PIN

Should the drive pin shear due to the Snow Thrower becoming jammed replace it by driving out the old pieces and installing new pin. See figure 12 for location.

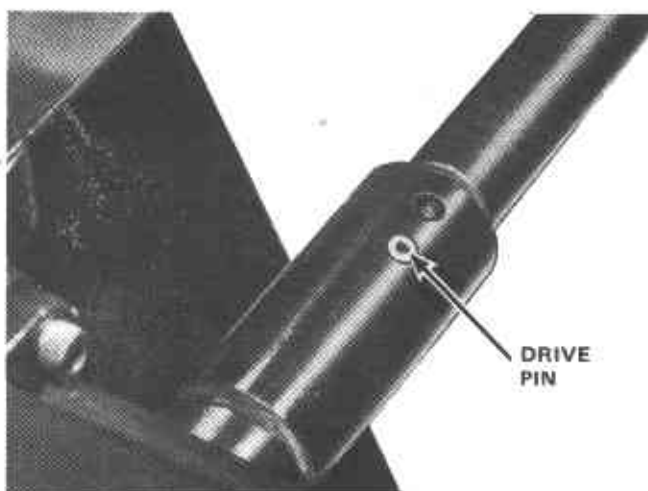


Figure 12

LUBRICATION

The gear case is filled at the factory to filler hole level with Bolens #16021 gear lubricant. Check oil level before using the Snow Thrower and every 25 hours of operation thereafter. Add Bolens #16021 lubricant as necessary to maintain filler hole level.

NOTE: VISUALLY CHECK FOR OIL LEAKS. IF ANY APPEAR, CHECK LEVEL OF OIL IN GEAR CASE AND ADD OIL TO BRING TO PLUG LEVEL. HAVE THE OIL LEAK REPAIRED.



Figure 13

OPERATION

There are three controls for operating the Snow Thrower: the tractor attachment drive switch for engaging and disengaging the rotor; the tractor attachment lift lever for raising and lowering the Snow Thrower; and the chute control crank for controlling the direction of discharge.

In deep snow, the initial or full width cut should be made by partially raising the Snow Thrower and moving forward as far as possible. Then reverse the tractor, lower the Snow Thrower and remove the remaining portion of snow. When using the Snow Thrower in light snow or in cleaning scattered remains, operate the tractor at a higher ground speed to maintain a stream of snow coming out of the chute. Small amounts of snow in intermittent intervals may cause a build up of snow in the chute resulting in eventual chute clogging.



CAUTION

1. Before starting the tractor, be sure the Snow Thrower is disengaged.
2. Under normal conditions always operate tractor with engine at full throttle and at a low ground speed to assure maximum power and casting distance.
3. Do not overload the Snow Thrower in deep snow, but rather reduce width of cut to maintain full engine RPM to effect full casting distance.
4. Should the Snow Thrower become overloaded, stop the forward motion until the unit has cleared and full engine RPM is evident.
5. Should the chute become plugged due to overload, disengage the rotor, shut off the engine and dislodge the packed snow WITH A STICK. NEVER ATTEMPT TO CLEAR ROTOR OR CHUTE WITH HANDS OR FEET, OR WHILE ENGINE IS RUNNING.

The Snow Thrower can be locked in the raised position for transport. Pull transport hooks out of push arms; see figure 7. Raise Snow Thrower up with attachment lift and lock up with transport hooks as shown in figure 14.

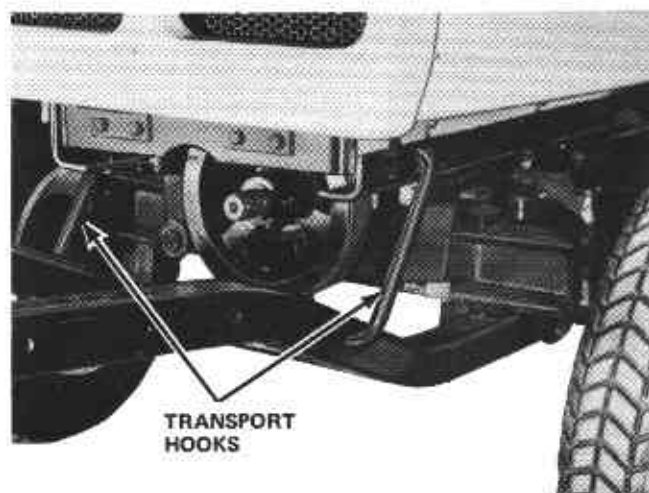


Figure 14

DRIFT SLICER

For drift slicer purchase Kit No. 10771.

STORAGE

If the unit is stored in heated quarters, allow it to cool to outside temperature before operating. This will help to prevent snow from sticking to the rotor housing, and discharge chute. Before storing the unit or allowing it to stand idle in freezing weather, remove snow from rotor as heavy icing could result in damage when attempting to restart unit. When stored for a long period of time, coat exposed parts with a light film of grease to prevent rusting.

Bolens reserves the right to change specifications, add improvements or discontinue the manufacture of any of its equipment without notice or obligation to purchasers of its equipment.

Bolens' approval of the use of attachments manufactured by other manufacturers is limited to assurance that such use will not void Bolens warranty on the Bolens equipment to which the outside manufactured attachments are adapted. The responsibility for the design, performance, durability, safety in operation, service repair availability, and warranty obligation remain with the outside manufacturer. Bolens specifically excludes from its warranty obligation all such outside manufactured attachments.

Bolens warranty will be voided if unapproved attachments are adapted to use with Bolens equipment and are so used.
