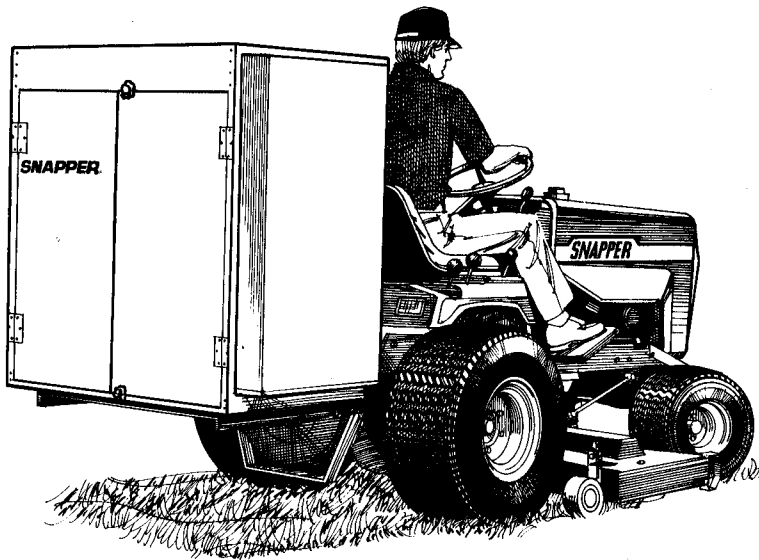


Safety, Installation & Operating Instructions for

SNAPPER® Garden Tractor

#6-0503 VAC-N-PAC ATTACHMENT KIT



This VAC-N-PAC attachment can be installed on Snapper garden tractor models equipped as follows:

- 1600 with rear PTO kit and with 48" rear discharge mower
- 1600A with 48" rear discharge mower
- 1650 with rear PTO kit and 48" rear discharge mower
- 1650A with 48" rear discharge mower
- 1855 with rear PTO kit and 54" rear discharge mower
- 1855A with 54" rear discharge mower



Safety Instructions



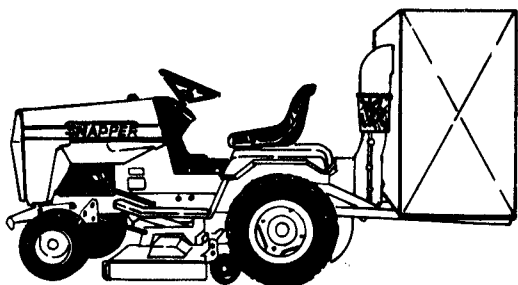
Adhere to the Safety Instructions stated in the Tractor Operator's Manual plus the following when operating with the VAC-N-PAC installed.

- Be careful when backing up--remember the length is extended and rearward vision is obscured by the container!
- Shut-off the mower, VAC-N-PAC and engine before attempting to unclog, clean or perform any service on these units.
- DO NOT operate on slopes greater than 10 degrees without counter weight on the front of the tractor.
- Avoid inclines and uphill starts especially with loaded container to prevent loss of steering.
- Keep container doors closed and latched while the mower and/or VAC-N-PAC are in operation to prevent injury.
- Never open the blower covers while the mower and/or VAC-N-PAC are in operation.

SNAPPER Power Equipment
McDonough, Georgia 30253



SNAPPER®



#6-0503 VAC-N-PAC ATTACHMENT

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Installation

After the rear discharge mower is installed on the tractor and leveled, check to make sure it is centered from side to side. Remove the hitch plate and, if so equipped, the three point hitch, collapse the cylinder and remove the control valve handle knob to prevent inadvertant actuation of this cylinder with VAC-N-PAC installed. Tools required are a small vise grip pliers, center punch, hammer, one $\frac{1}{4}$, one $\frac{9}{16}$ and two $\frac{3}{4}$ open or box end wrenches. Proceed as follows to install the VAC-N-PAC components. On 1600 Series tractors, the rear lift actuating mechanism must be removed prior to the VAC-N-PAC installation.(Refer to step 2A).

Step 1: Rear fender removal. Tilt operator's seat forward, lift the tool tray out and disconnect wires from seat interlock switch and from both tail lights. Remove the bolt at rear of both seat slides on 1650 and 1855 series. Remove four bolts holding rear fender to step plates. Remove knobs from control levers and lift rear fender with seat attached off tractor. On 1600 Series tractors, remove the console cover after removing the shift handle knob.

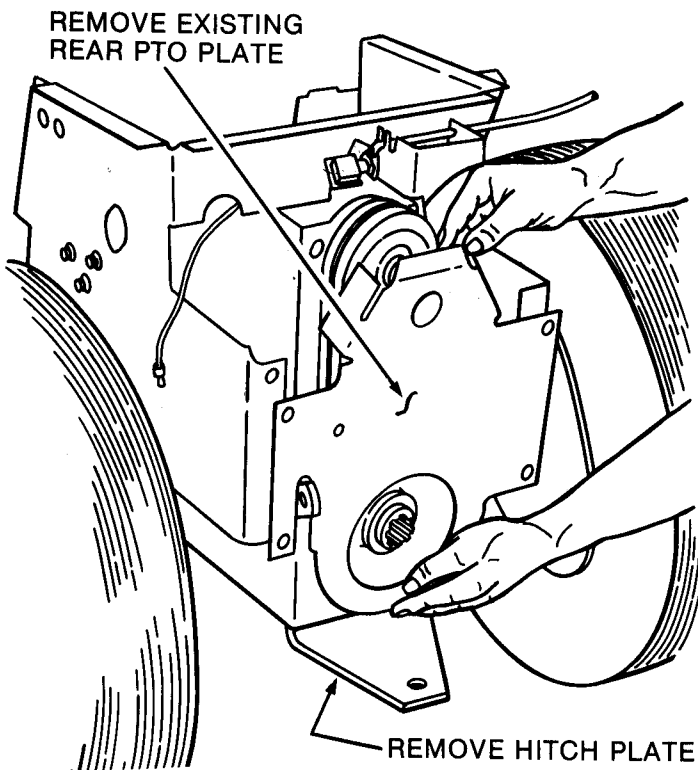


FIG. 1 - REMOVE PTO COVER

Step 2: Remove the existing P.T.O. cover plate by removing four $\frac{3}{8}$ flanged bolts from the corners. This P.T.O. cover will not be used for VAC-N-PAC installation but should be stored for use when the VAC-N-PAC is removed.

Step 2(A), 1600 Series Only: Remove the rear lift actuating mechanism components as follows: Move the implement lift handle all the way back to relieve tension on the assist spring, remove the spring by backing nuts off the spring bolt then remove this assembly. Pull the retaining ring on the inside of the pin shown in figure 2 then pull the pin out toward the outside as shown. Remove the lift rod from the implement lift by removing the cotter pin and sliding the rod out as shown in figure 3. Slide the rear lift assembly out thru rear of tractor frame.

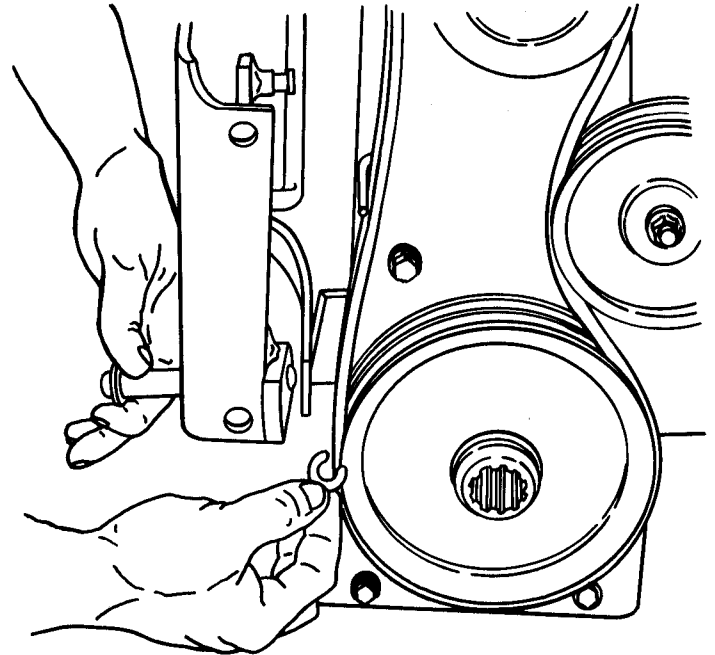


FIG. 2 - PULLING PIN-1600 SERIES

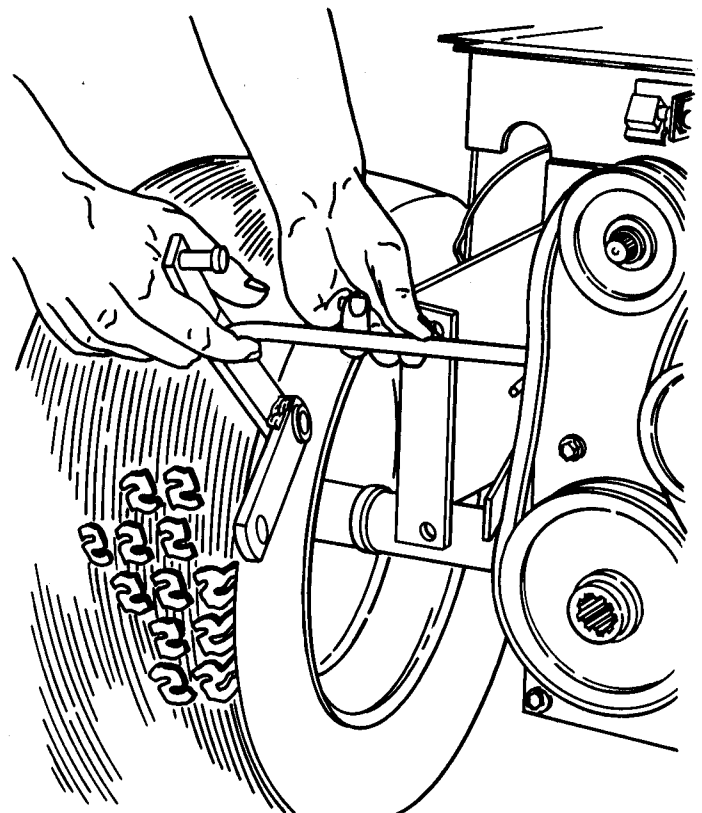


FIG. 3 - REMOVING REAR LIFT-1600

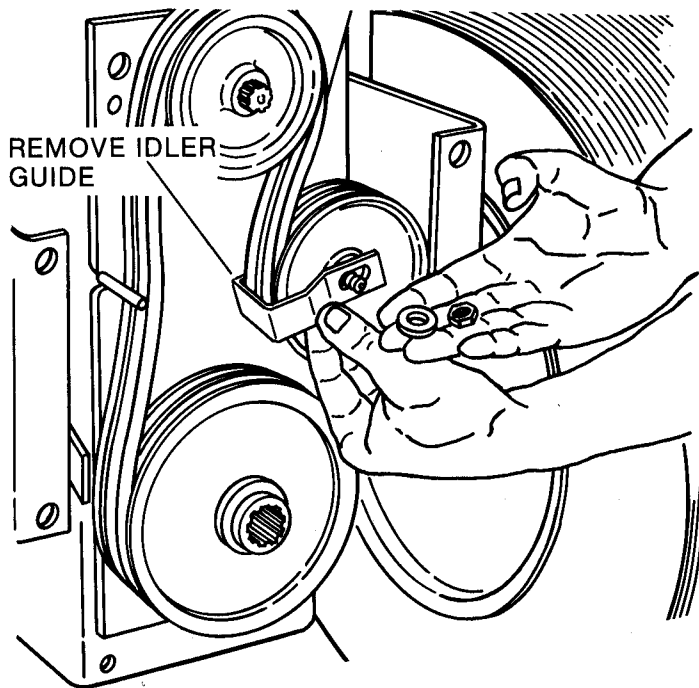


FIG. 4 - REMOVE IDLER BELT GUIDE

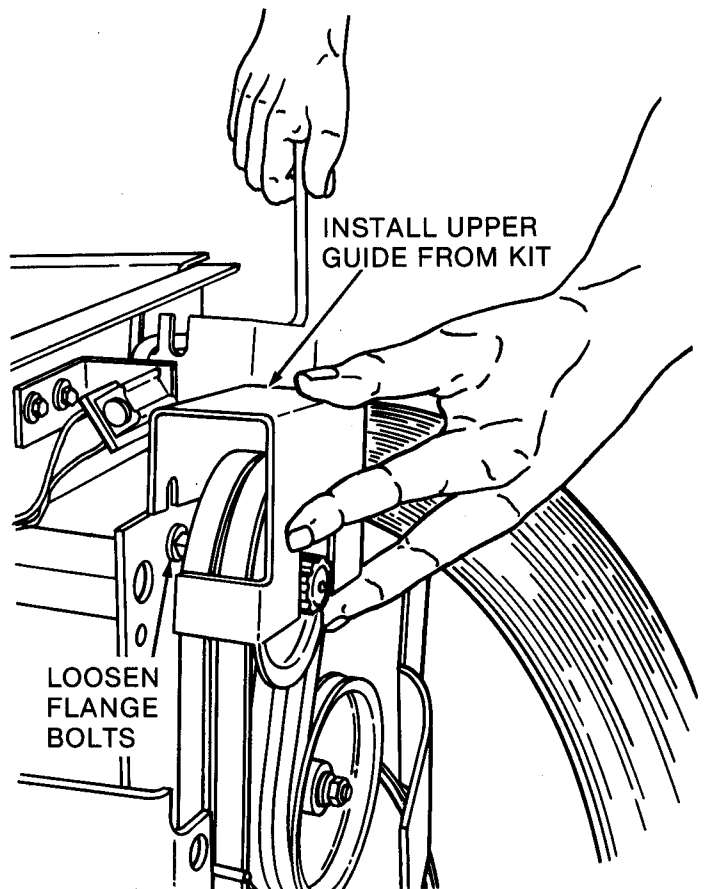


FIG. 5 - INSTALL UPPER BELT GUIDE

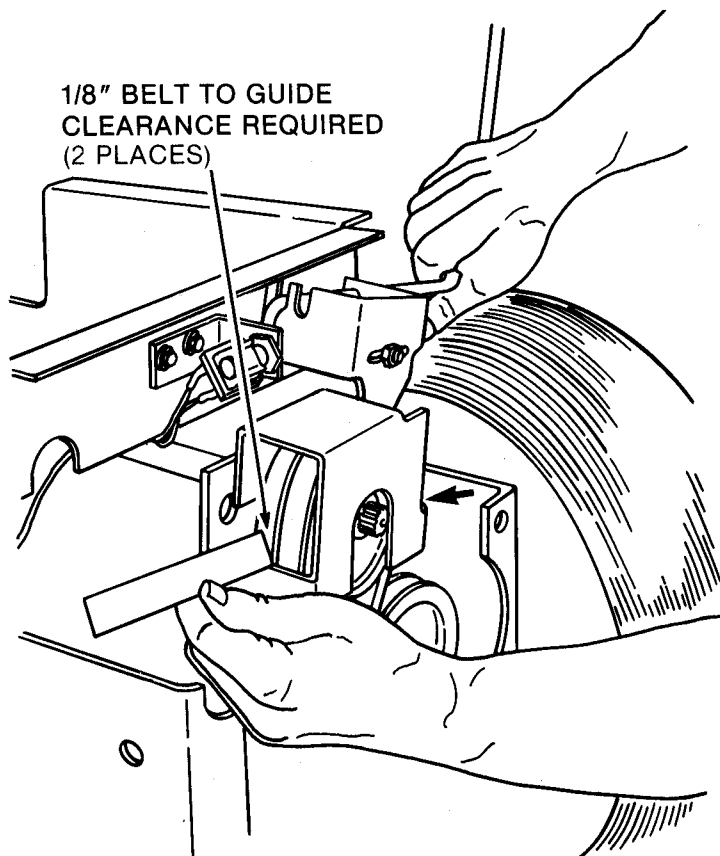


FIG. 6 - CHECK UPPER BELT CLEARANCE

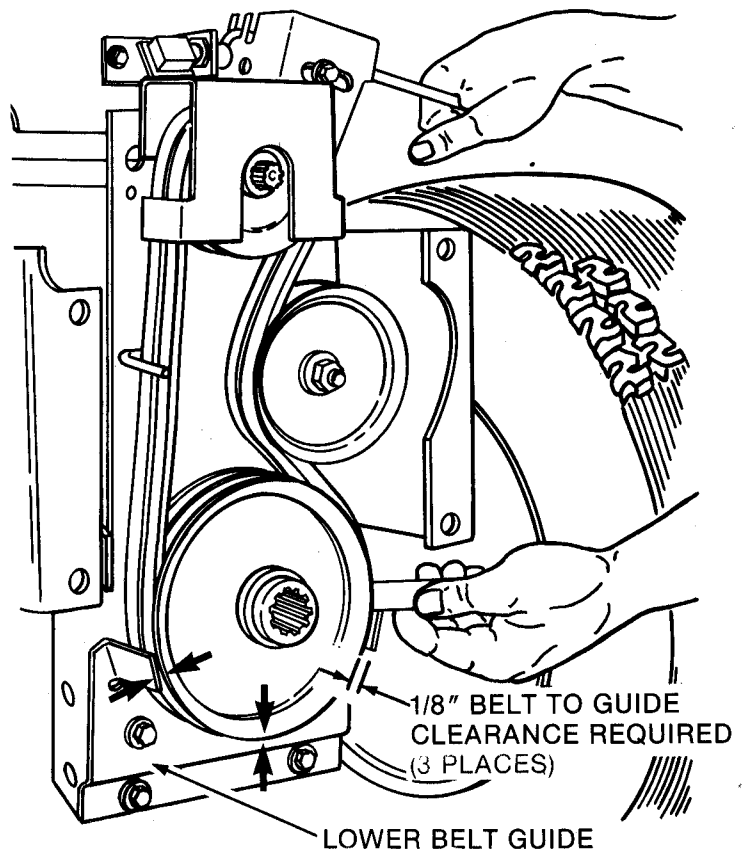


FIG. 7 - CHECK LOWER BELT CLEARANCE

Step 3: Remove the existing belt guide (figure 4) from idler arm assembly. By removing the 3/8C flange nut, belt guide, and flat washer. Use same flange nut to secure idler on idler arm assembly.

Step 4: Install upper belt guide by loosening the top two flange nuts on bearings retainer of upper P.T.O. shaft. Slide upper belt guide under heads of flanged bolts and retighten nuts. **Note:** With P.T.O. idler engaged belts should clear belt fingers by 1/8 inch. Reposition upper belt guide if necessary(Fig. 6).

Step 5: Install lower belt guide using two 3/8x3/4 flanged bolts and two 3/8 C flange nuts. Secure lower belt finger to bottom of draw bar mounting plate. **Note:** Guide fingers should clear belt by 1/8 inch when P.T.O. idler is engaged. Readjust guide if necessary(Figure 7).

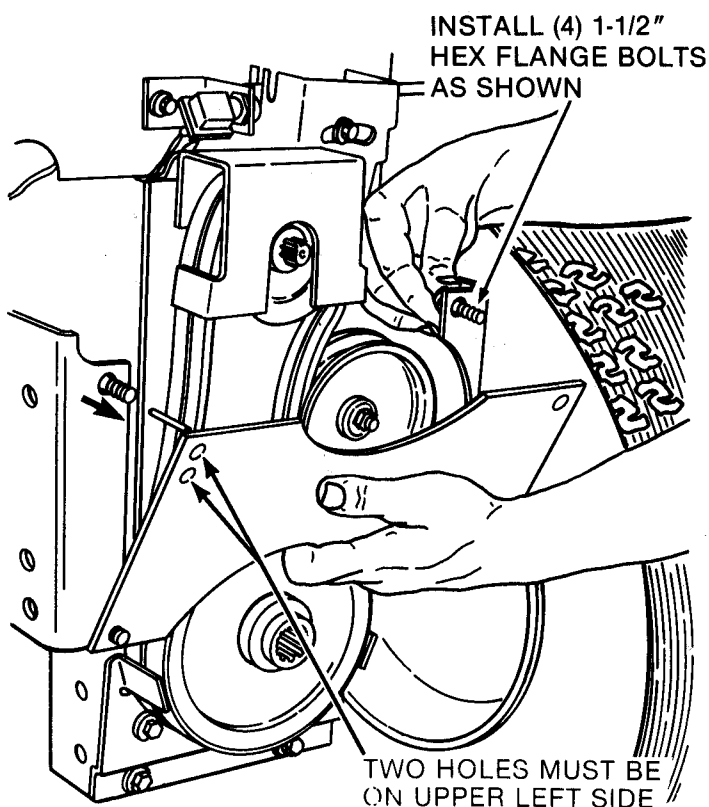


FIG. 8 - INSTALL COVER FROM KIT

Step 6: Install four 3/8 Cx1 1/2 hex flange lock bolts from inside of frame thru nuts welded into frame. Install rear cover on studs. Frame may have to be twisted to install(Figure 8).

Step 7: Push collar on tractor rear P.T.O. quick-disconnect in, insert the splined shaft end of the take-off pulley into engagement inside P.T.O. shaft then pull collar out to lock in place.(Fig. 9)

Step 8: Attach deck adapter structure and adapter bottom structure to blower structure. Align hinge halves and insert hinge pin. Use hammer and center punch to secure hinge pin as shown in figure 10. Set adapter bottom open for 54 in. mower and closed for 48 in. mower.

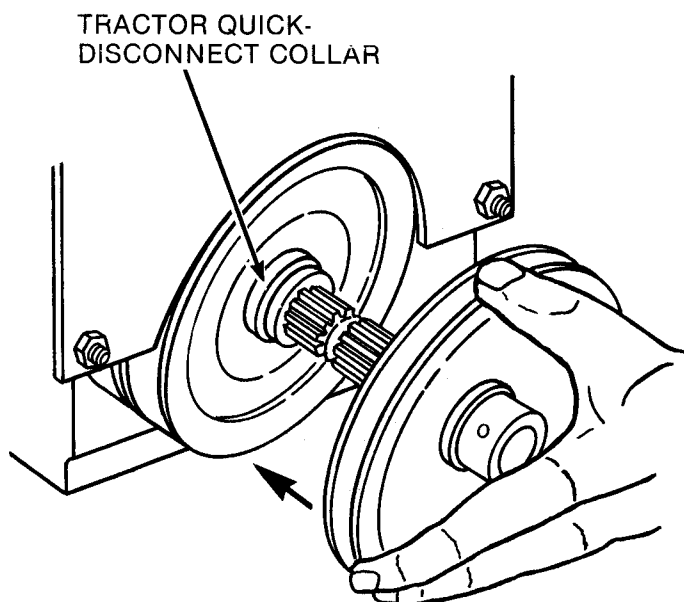


FIG. 9 - REINSTALL TAKE-OFF PULLEY

Step 9: Before installing blower unit, insert key in blower, install blower pulley (figure 13) with hub toward bearing. Do not tighten setscrews at this time. Lower the mower then slide the blower unit between the rear wheels into position under the tractor. **Note:** Lift the inlet chute of the blower unit over the top edge of the mower discharge chute as it is guided in(Figure 12).

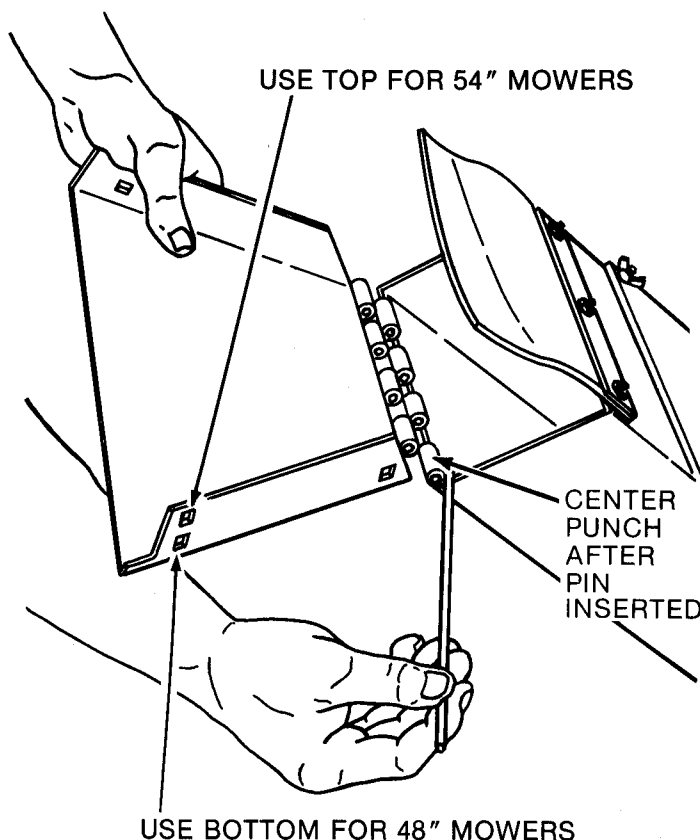


FIG. 10 - ADAPTER BOTTOM STRUCTURE

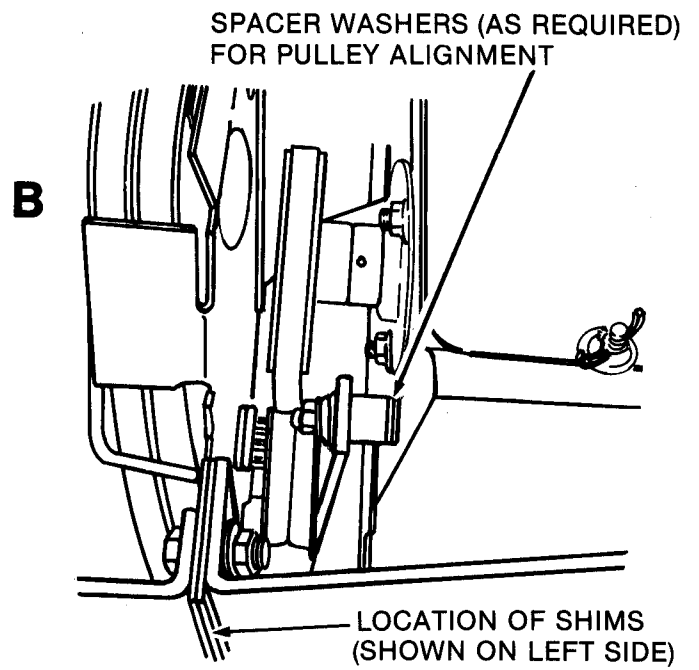
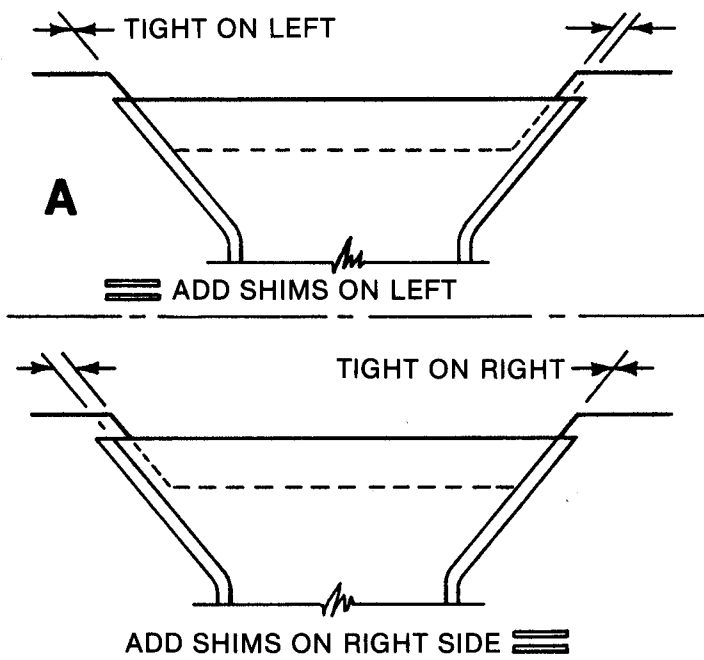


FIG. 11 - ALIGN INTAKE DUCT TO DECK WITH SHIMS

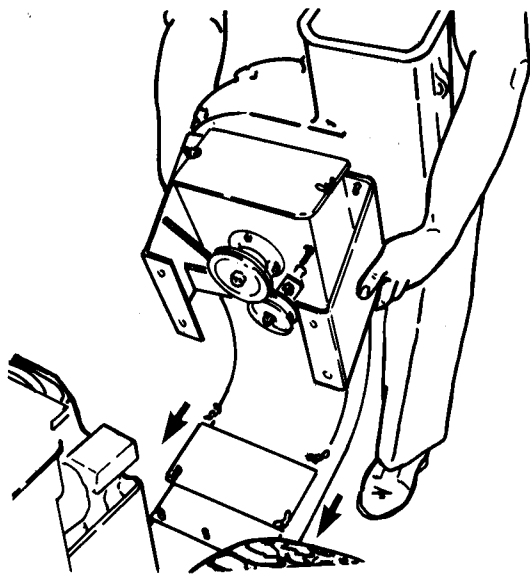


FIG. 12 - POSITIONING BLOWER UNIT

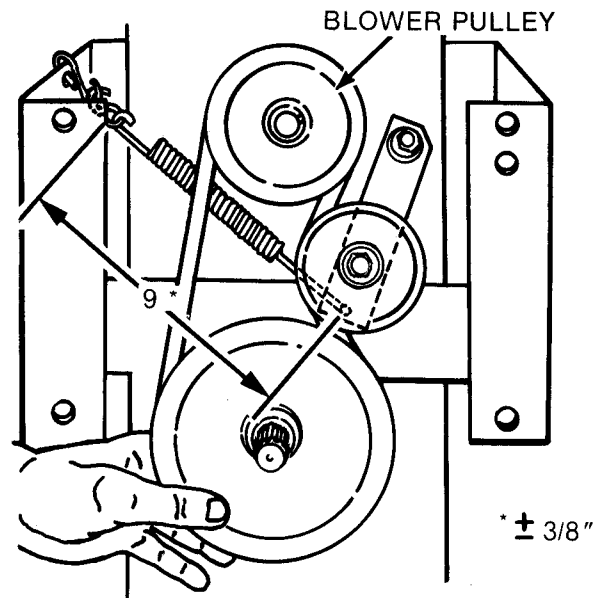


FIG. 13 - BLOWER BELT DETAIL

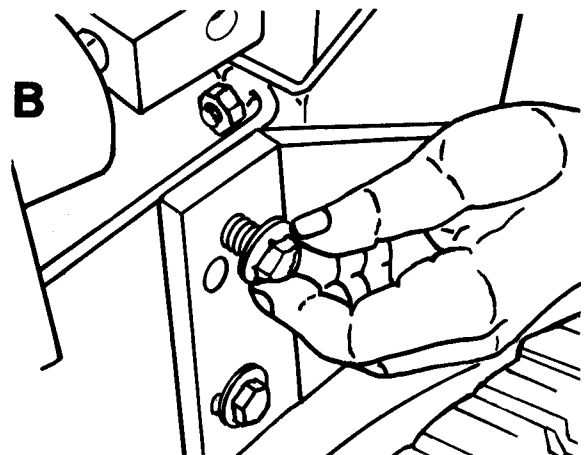
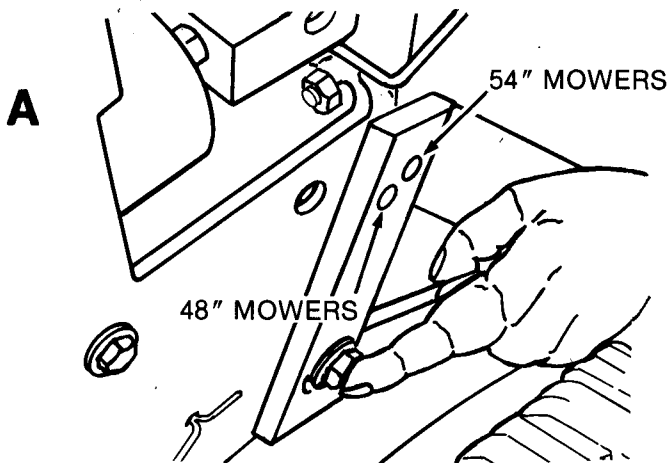


FIG. 14 - ATTACHING CONTAINER SUPPORTS TO TRACTOR FRAME

Step 10: Four shims are provided to be used as required between the rear P.T.O. cover and blower unit mounting brackets for aligning the unit to the mower. If the inlet chute overlaps on the left side more than on the right, for example, install shims as required to make the gaps equal on both sides. With shims in place, secure the blower mounting-brackets and the tractor P.T.O. cover to the frame using four 3/8C hex flange nuts(Figure 11).

Step 11: Unhook the idler spring from the right side mounting bracket, install the blower drive belt over the pulleys as shown in figure 13. Use S hooks (as required) to connect the spring to the bracket and to stretch the spring out to approximately 9" as measured in figure 13.

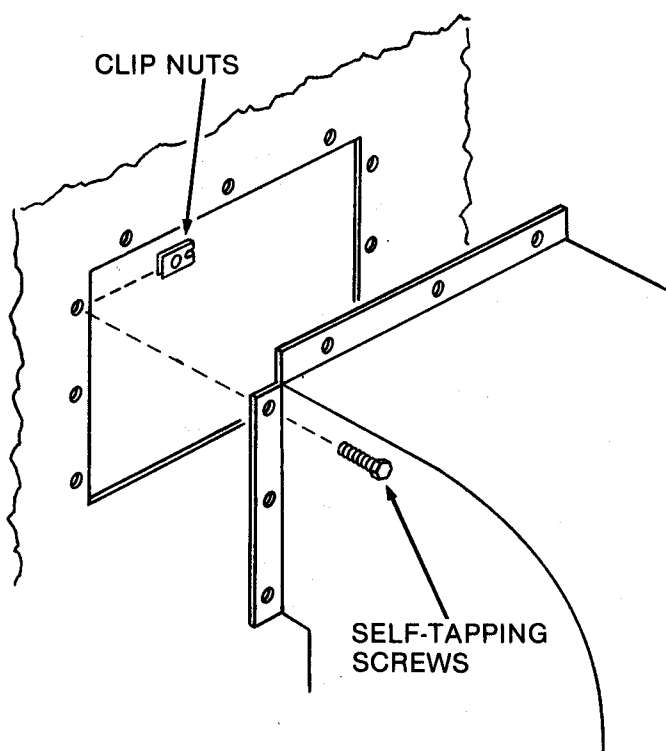


FIG. 15 - INLET ELBOW DETAIL

Step 12: Check belt to pulley alignment. If the blower pulley is not aligned with the P.T.O. pulley, loosen the setscrews on the pulley hubs and slide the setscrews. If the belt is not centered in the idler pulley, unhook the idler spring from the top right side of the blower bracket then remove the locknut and pull the idler arm assembly. Remove or add spacer washers as necessary between the idler and blower bracket to reposition the belt in the center of the idler pulley(Figure 11). Tighten all setscrews on both pulleys.

Step 13: Install the container support brackets to the frame next. This can be done by connecting the bottom bolt first, then pulling the bracket up and connecting the top bolt. Secure with the four 1/2Cx1-1/4 hex flange lock bolts. Install the hex flange locknuts on the inside of the frame but do not completely tighten these until the container is installed. (Refer to figure 14 for proper bolt holes).

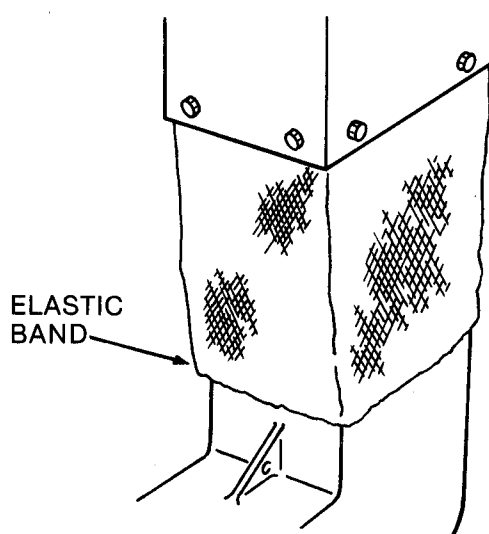


FIG. 16 - SLIP CLOTH ADAPTER OVER BLOWER

Step 14: The container inlet elbow is left off the container for shipping purposes. To install the elbow, push the nine clips into position over the holes drilled around the inlet opening - install with the flat side facing the outside surface of the container. Position the inlet elbow over the opening and secure with the nine #8 self tapping screws.(Fig. 15)

Step 15: Lift the container box and place on the support brackets, align the four mounting holes and secure with the four 3/8Cx1 hex flange lockbolts and flange hex locknuts. Hold the container approximately level and securely tighten the bolts holding the support brackets to the frame.(Figure 16)

Step 16: To complete the installation, install the adapter between the blower outlet and container inlet. To do this, pull elastic band over bead on blower outlet.

Step 17: Slide filter screen in slots at top of container as shown in figure 17.

Step 18: Reinstall console cover and rear fender/seat assembly. Reinstall control knobs etc.

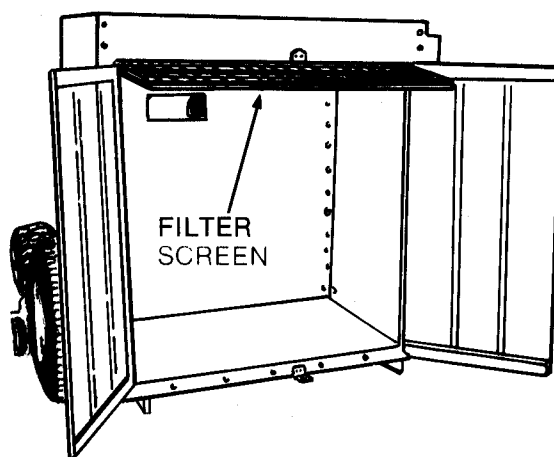


FIG. 17 - LOCATION OF FILTER SCREEN

Service

Service Requirements: Since the blower bearings are of the pre-lubricated, sealed type, there are no lubrication services required on the VAC-N-PAC unit. About the only service required will be keeping the unit clean. The blower drive belt should be checked occasionally and replaced if needed. See your **Snapper Dealer** for service assistance and for replacement parts

Optional

#6-0533 FRONT BUMPER KIT

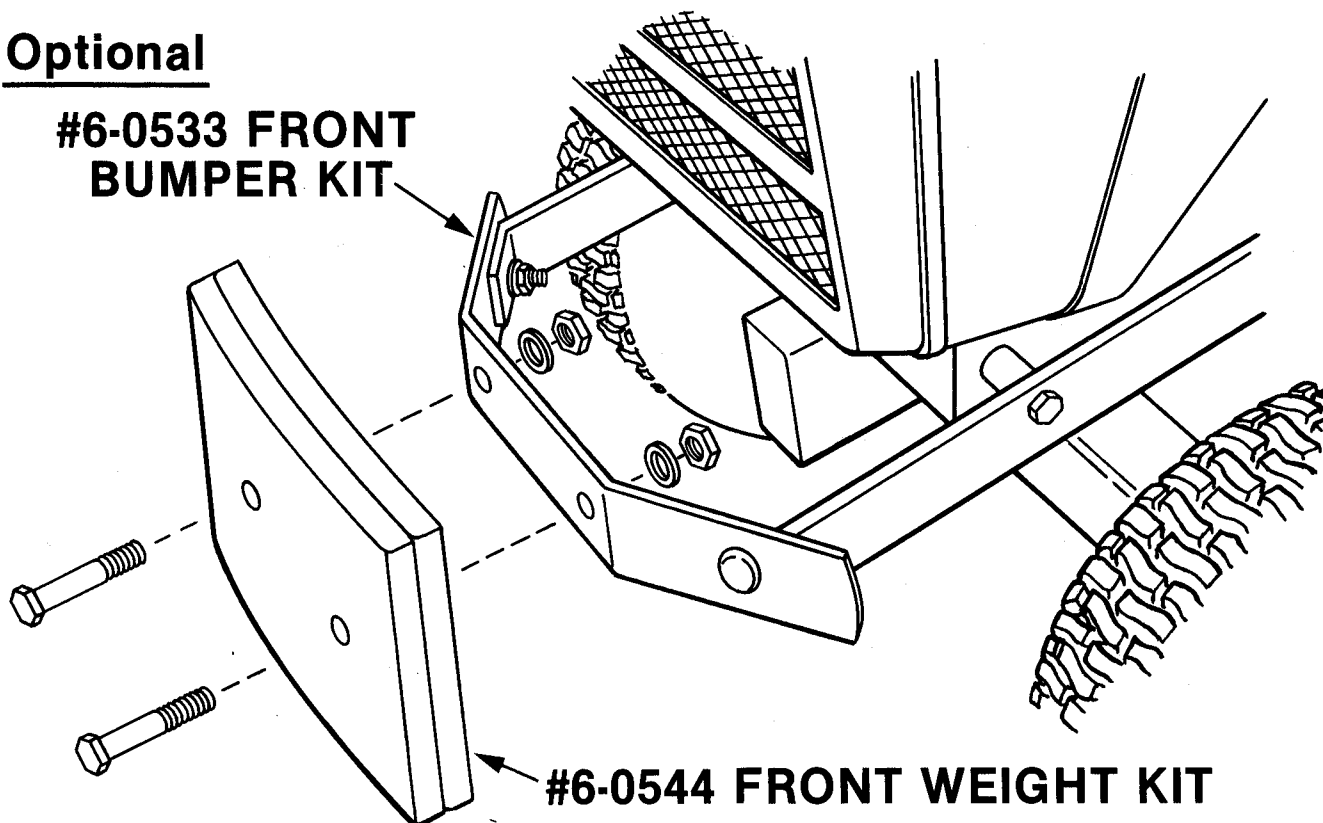


FIG. 18 - FRONT BUMPER KIT & 2 WEIGHTS RECOMMENDED

Operation

Before operating with VAC-N-PAC, be sure to read the Safety instructions on page one of this publication and the Safety Precautions in the Tractor Operators' Manual. The mower operation procedures described in the Operators' Manual also apply when using the VAC-N-PAC. Some operational points which apply specifically to the VAC-N-PAC are as follows:

Mower Setting: For best results with VAC-N-PAC, set the gauge wheels in full up position, lower or raise deck to desired cutting height then readjust the gauge wheels so that the wheels are about $\frac{1}{2}$ " above the surface. For Smoothest cut, do not use the "float" feature (mid-mount implement lever in full forward position) when mowing.

Operating with VAC-N-PAC: To prevent clippings from backing up and clogging the blower inlet chute and impeller area, always empty the container before it becomes completely full. After operating for awhile with VAC-N-PAC, you will be able to determine that the unit is becoming full by the changing sound level. Other obvious indicators may be excessive amounts of clippings remaining on the lawn and the absence of air being discharged from the bottom of the vent on the right side of the container.

- Each time you empty the container, also remove and clean the filter screen which is located in the slot in the inside top portion of the container. If this screen is blocked, the unit can not vacuum properly.
- Remember to empty and clean out the inside of the container at the end of each work period to eliminate the possibility of spontaneous combustion of any material remaining in container.
- In the event the blower unit becomes clogged, be sure to **stop** the mower, blower and engine before opening the covers on the blower unit to clear the blockage.