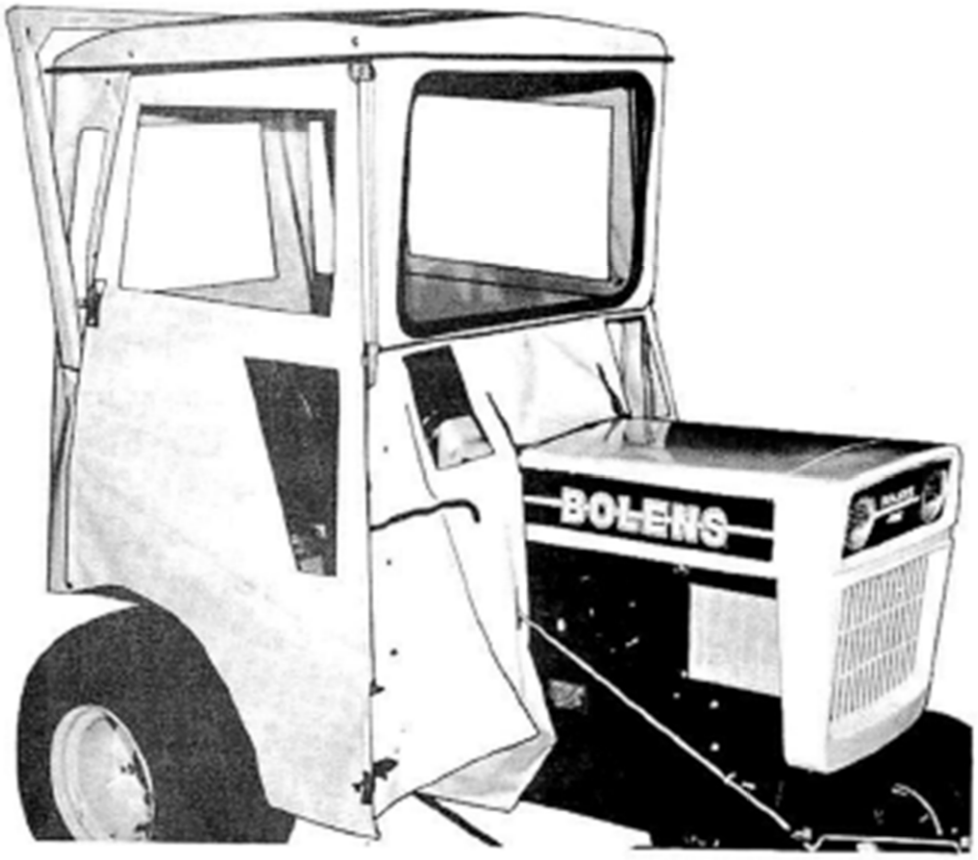
HARDTOP / VINYL CAB KIT NO. 18038
for
BOLENS 1476, 1477, 1886, HT20, AND HT23



KIT NO. 18038 HARDTOP/VINYL CAB for BOLENS 1476, 1477, 1886, HT 20, and HT 23
(Cab may be used with JOHNSON LOADERS by following loader installation instructions.)

CARTON CONTENTS

KEY NO.	QTY.	PART NO.	PART NAME
A	1	8205	Foot, right hand
B	1	8206	Foot, left hand
C	1	8207	Front Panel Frame
D	1	4043	Front Post, right hand (straight, 1 screw)
E	1	4044	Front Post, left hand (straight, 1 screw)
F	1	3224	Rear Attaching Bracket Base ("H" frame)
G	1	8208	Rear Attaching Bracket
H	1	6548	Rear Corner Post, right hand
I	1	6549	Rear Corner Post, left hand
J	2	5706	Rear Curtain Boxing Post
K	1	5648	Top Frame (large)
L	1	8209-OW	Door, right hand
M	1	8210-OW	Door, left hand
N	1	8211-OW	Front Panel Vinyl
P	1	8212-OW	Rear Curtain Vinyl
Q	1	6488	Windshield (glass)
R	1	6177	Fiberglass Top
S	1	6478	Hand-Operated Windshield Wiper
	1	8213	Parts Bag (contents listed below)
	34	730	1/4"-20 Locknut
T	4	15	Door Hinge
	34	788	1/4"-20 x 3/4" Capscrew, hex
	2	926	1/4"-20 x 1" Capscrew, hex
	2	6261	3/8"-16 x 1 3/4" Capscrew, hex
Y	2	5583	3/8"-16 x 2 1/4" Capscrew, hex
V	4	2908	3/8" Flat Washer
X	2	5577	9/16" x 7/8" long Spacer
W	8	3951	1/4" Flat Washer
Z	2	5777	9/16" x 1 1/8" long Spacer
U	2	115-F	1/4" x 5/16" long Spacer
	2	7781	Door Latch Spring

READ THESE INSTRUCTIONS ENTIRELY BEFORE STARTING CAB ASSEMBLY!

TABLE OF CONTENTS

Installation Instructions . . . . . Pages 2 - 8

Maintenance . . . . . Page 8

Storage . . . . . Page 8

Caution . . . . . Page 8

Replacement Parts Ordering . . . . . Page 8

CAB MODEL 18038

INSTALLATION INSTRUCTIONS

STEP 1: If your tractor is equipped with a roll-bar and roof canopy, you must remove the roof canopy before installing the cab.

In these instructions, "bolt and nut" means 1/4"-20 x 3/4" bolt and 1/4"-20 hex nut. Other bolt sizes will be specifically stated.

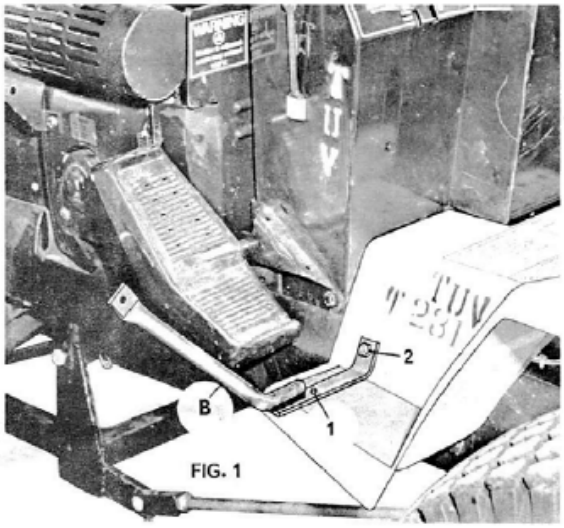


FIG. 1

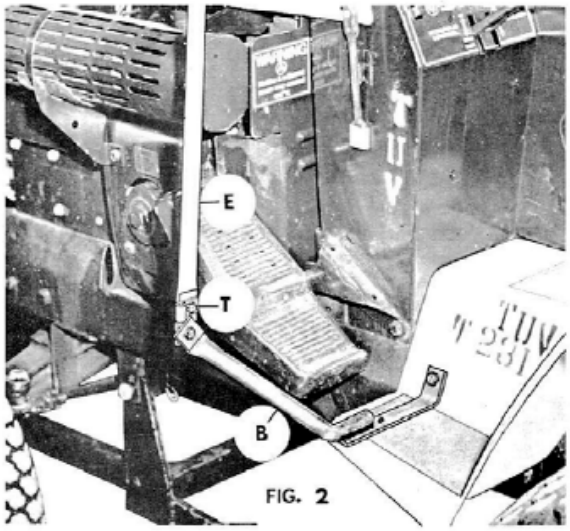


FIG. 2

STEP 2, SEE FIGURE 1:

A. Remove tractor bolt shown at "2" and re-use it to attach PART B. Use a "C" clamp to clamp Part B to the step plate; drill a 1/4" hole thru step plate and use a bolt and nut to complete attaching Part B. Remove "C" clamp.

B. IF YOU HAVE A JOHNSON LOADER ON THE TRACTOR: USE A 9/16" x 1 1/8" SPACER UNDER PARTS A & B, (reference #2) and a 3/8"-16 x 1 3/4" bolt FROM PARTS BAG. Also, USE 5/16" long spacer under Parts A & B (reference #1) and a 1/4"-20 x 1" long bolt. These spacers lift Parts A & B upward, and outward.

STEP 3, SEE FIGURE 2:

A. Use a bolt and nut to attach PART E to front face of PART B, using bottom hole of PART E. (Part E is left hand and looks similar to Part D, shown in Figure 4.) (Sheet metal screw in PART E is toward rear of tractor.) Tighten bolt enough to hold Part E in upright position.

B. Use bolt and nut to attach PART T to second hole from bottom of PART E. Part T is a door hinge.

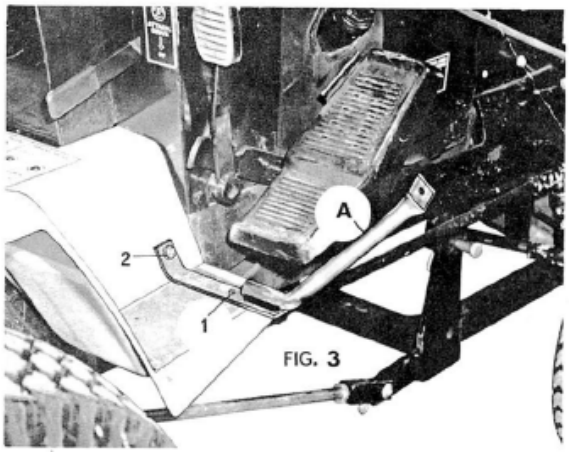


FIG. 3

STEP 4, SEE FIGURE 3:

A. Repeat procedure shown in STEPS 2A and 2B (Page 2) for the right hand side.

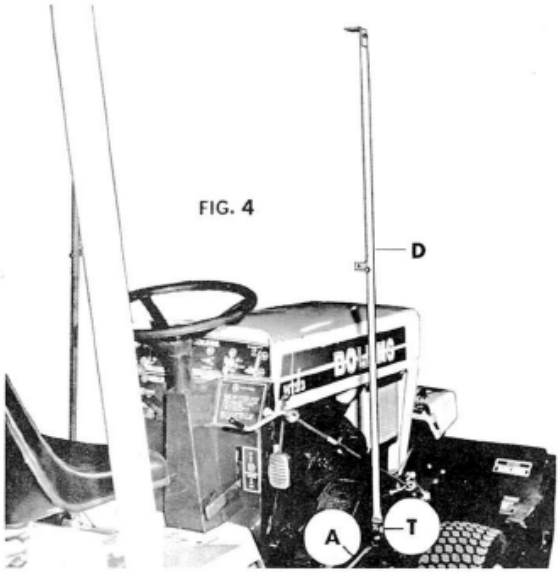


FIG. 4

STEP 5, SEE FIGURE 4:

A. Use a bolt and nut to attach Part D to front face of Part A, using bottom hole of Part D. (Sheet metal screw in Part D is toward rear of tractor.) Tighten bolt enough to hold Part D in upright position.

B. Use bolt and nut to attach Part T to second hole from bottom of Part D. Part T is a door hinge.

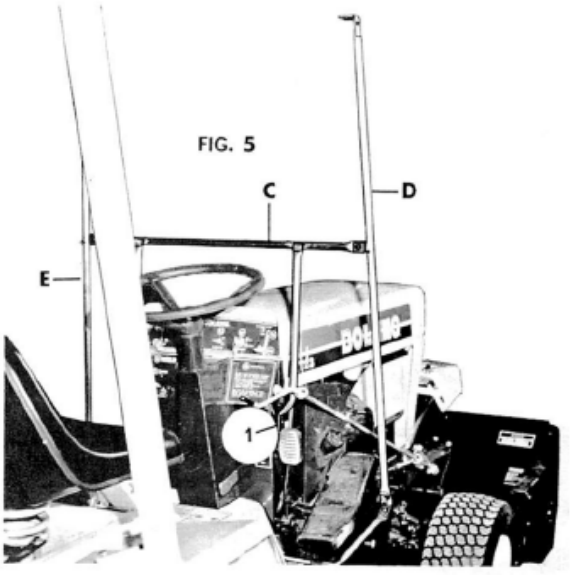


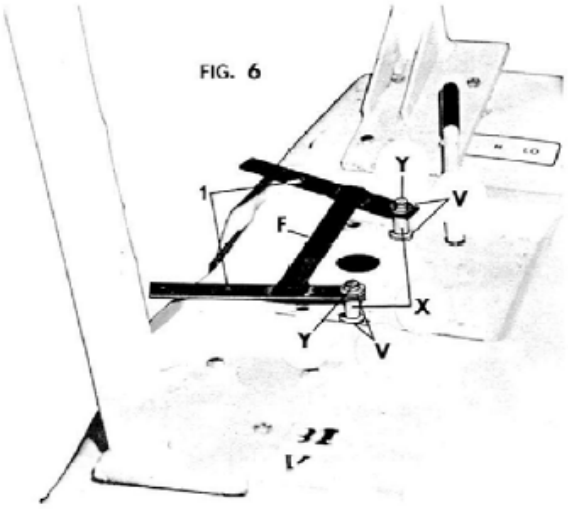
FIG. 5

STEP 6, SEE FIGURE 5:

A. Use bolts and nuts to attach Part C to rear face of clips welded to Parts D & E. Vertical legs of Part C will be on rear face of "cross bar".

B. Lower end of legs of Part C (reference #1) should be about 1 1/4" from rear-most point of tractor cowling.

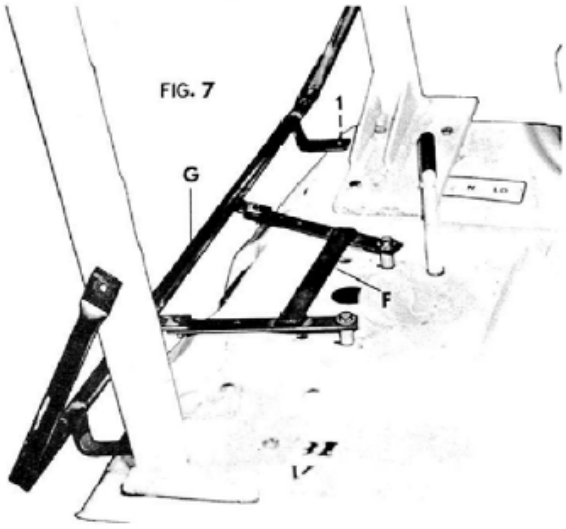
C. Use 1/4" drill bit to drill holes into tractor cowling (reference #1) with care not to damage anything inside of cowling. Then, use bolts and nuts to attach legs of Part C to cowling, each side of tractor. This will help support the front of cab and prevent forward and backward motion of the cab.



STEP 7, SEE FIGURE 6:

A. Remove proper two bolts from seat deck---they will be replaced by 3/8" x 2 1/4" bolts from parts bag. Insert bolts thru 3/8" flat washers, then thru Part F, then thru 7/8" spacers, then thru 3/8" flat washers and then screw into seat deck.

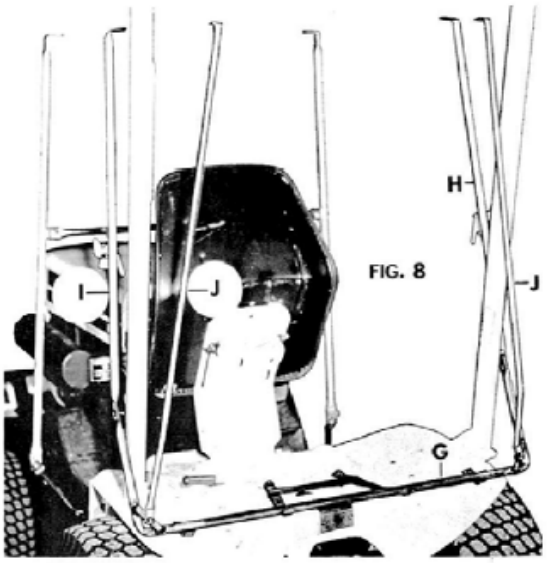
B. Use 1/4" drill bit to drill two holes thru seat deck by using two unused holes (reference #1) in Part F as a template. Bolt Part F to seat deck, using two bolts and nuts.



STEP 8, SEE FIGURE 7:

A. Use bolts and nuts to attach Part G to top side of Part F.

B. Again, use 1/4" drill bit to drill two holes thru seat deck thru unused holes (reference #1) in Part G, using clips welded to Part G as a template and use bolts and nuts to attach Part G to seat deck.



STEP 9, SEE FIGURES 8 & 9:

A. Use bolts and nuts to attach lower ends of Parts H & I (rear posts with door latches attached, latches toward front of tractor) and Parts J (rear curtain boxing posts) to Part G. Tighten bolts to hold parts in upright position, with Parts H & I leaning slightly forward.

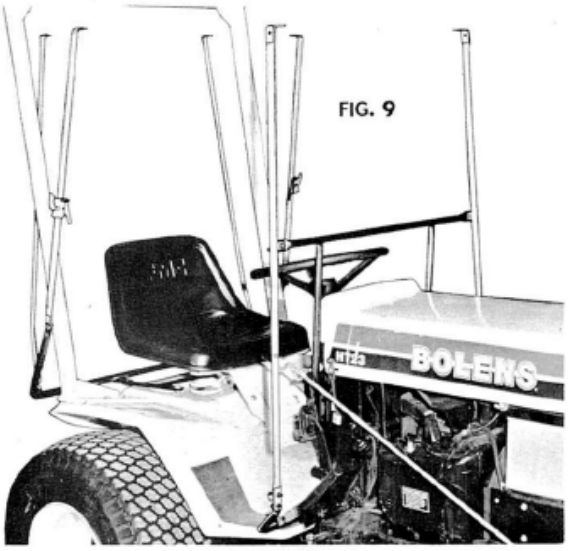


FIG. 9

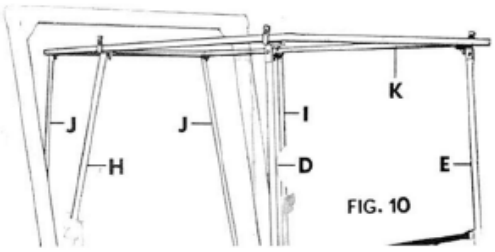


FIG. 10

STEP 10, SEE FIGURE 10:

A. Use bolts and nuts to attach TOP FRAME, Part K, to upper ends of all six upright cab members.

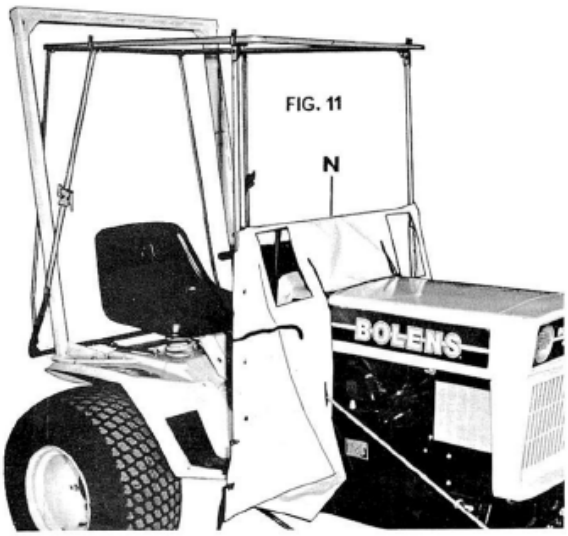


FIG. 11

STEP 11, SEE FIGURE 11:

A. Fit the FRONT PANEL VINYL onto tractor and cab frame. You may have to temporarily disconnect the chute control for a snow blower and thread it thru proper slit of the vinyl before snapping the vinyl to the cab frame. Fasten tie strings inside of front panel vinyl to cab cross bar. Reconnect chute control shaft. Rod sewed into top hem of FRONT PANEL VINYL should lay over, and slightly behind cross bar of Part C.

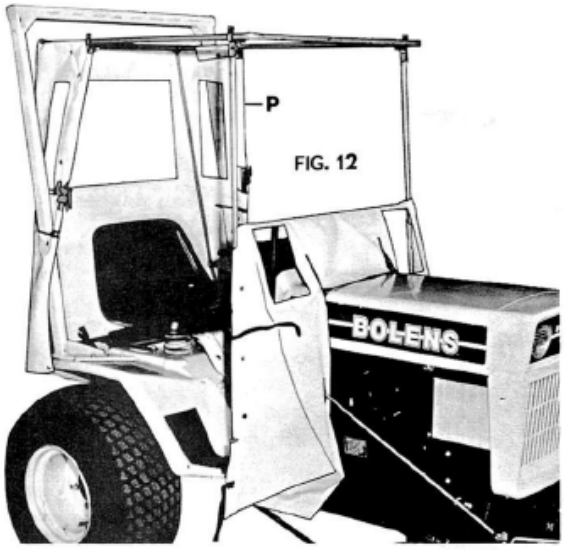


FIG. 12

STEP 12, SEE FIGURE 12:

A. Snap REAR CURTAIN to the TOP FRAME and to the REAR CORNER POSTS. Notice how the REAR CURTAIN snaps around the legs of the roll-bar. The top part of the REAR CURTAIN, with sewn-in rod, should lay on top of the TOP FRAME.

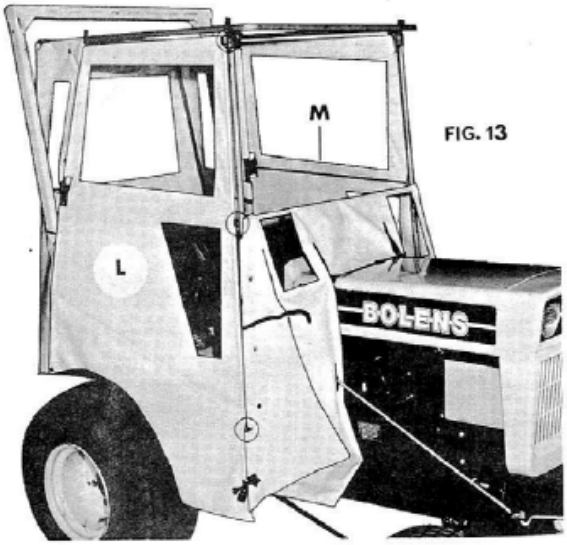


FIG. 13

STEP 13, SEE FIGURE 13:

A. Insert the doors into the bottom DOOR HINGES, add a DOOR HINGE to the upper corner of each door and use bolts and nuts to attach them to the upper end of each front CORNER POST.

B. Remove sheet metal screw from mid-point of each front CORNER POST and re-use it to attach center door hinges to the front CORNER POSTS.

C. Tie together strings on outside of cab, fastening together door bottom flaps with FRONT PANEL VINYL.

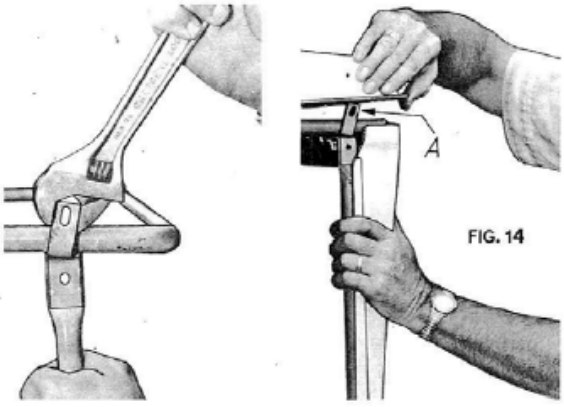


FIG. 14

STEP 14:

A. Perform STEPS 1 & 2 outlined on FORM 6477. The hole should be drilled in front face of top before further assembly, but do not assemble windshield wiper yet.

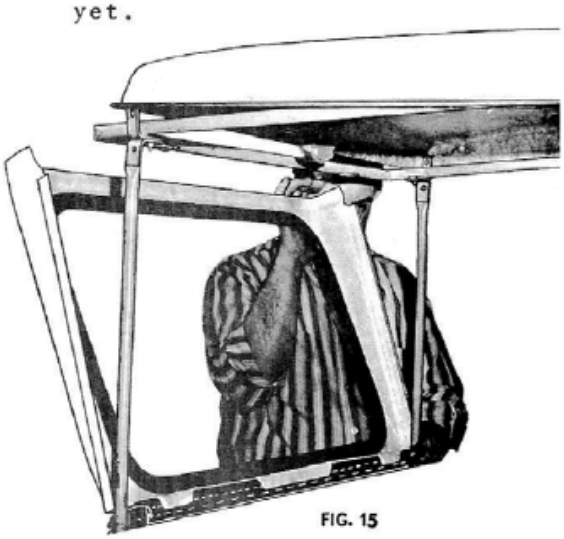


FIG. 15

STEP 15, SEE FIGURES 14 & 15:

A. Make sure all four clips welded to the TOP FRAME have been bent forward approximately 1/4", pointed out at "A". They are bent easier by using a large adjustable wrench, or a 3/4" open end wrench.

B. Place fiberglass TOP over the TOP FRAME and leave loose for now.

C. Place the bottom edge of the WINDSHIELD onto FRONT PANEL FRAME (C), with front panel vinyl laying on top of the steel. There is a rod sewed into the vinyl which will be trapped behind the windshield and FRONT PANEL FRAME. Place the fiberglass TOP into position over the TOP FRAME so the windshield will be held in place by the TOP.

STEP 15, SEE FIGURES 14 & 15:

C. In positioning the windshield, you may have to loosen the bolts which connect the front posts to the front panel frame so the width between the posts will accommodate the windshield width. Retighten the bolts after adjusting. DO NOT BOLT TOP DOWN YET.

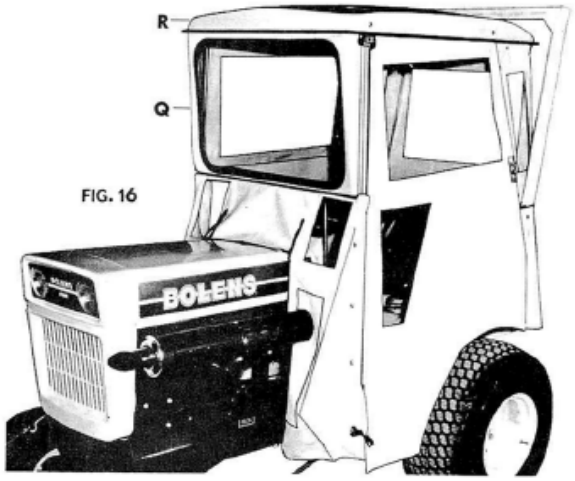


FIG. 16

STEP 16, SEE FIGURES 16, 17, & 18:

A. The upper edge of the REAR CURTAIN also has a rod sewed into the hem. The vinyl and rod should lay on top of the TOP FRAME before the fiberglass TOP is pulled down into bolting position.

B. Place a 1/4" flat washer on each of four bolts and insert them from the outside of the top, thru the clips welded to the TOP FRAME. Add nuts, and adjust the height of the top so each door will barely avoid touching the top when opening and closing doors. Then, tighten the bolts.

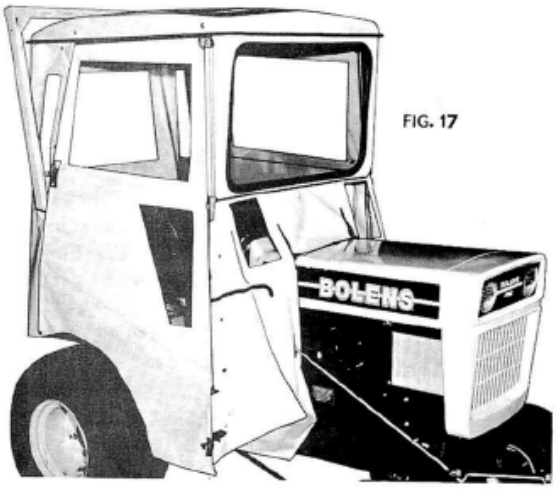


FIG. 17

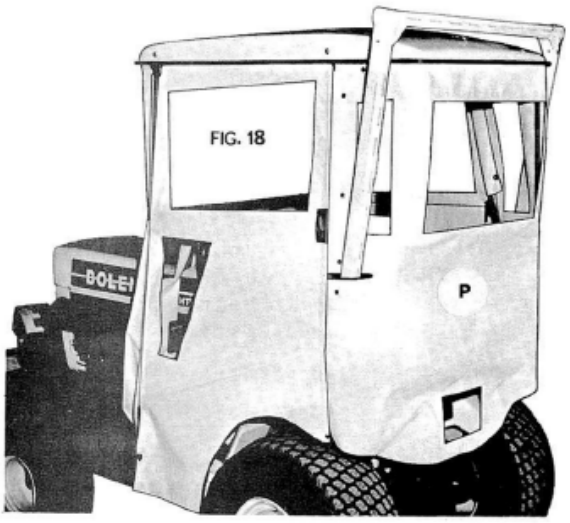
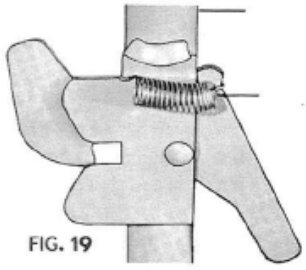


FIG. 18


FIG. 19

STEP 17, SEE FIGURE 19:

A. Shown is a portion of RIGHT HAND rear CORNER POST, with a SPRING attached. These springs are found in the parts bag. Attach them as shown.

STEP 18:

A. Continue STEPS 3, 4, and 5, on FORM 6477 of these instructions, for completion of windshield wiper mounting.

MAINTENANCE INSTRUCTIONS

A. Right now, check to see that all bolts are tight, and periodically in the future, recheck all bolts. If one or more bolts come loose, breakage of cab parts might occur.

B. Door latches and hinges should be lubricated with light machine oil for proper operation.

C. Avoid rubbing contact with plastic windows. Keep plastic windows clean by washing them only with clear running water and by rubbing with your bare hands, only. The use of a rag, sponge, or brush may scratch the plastic. Liquid soap may also be useful in cleaning windows; during freezing weather, an automotive windshield washer solvent may be used. DO NOT CLEAN WINDOWS WHEN PLASTIC IS DRY.

D. Vinyl portions may be washed with the use of a brush or rag, hot or cold water, and with or without liquid soap.

STORAGE INSTRUCTIONS

A. Before storing the cab, clean the windows and vinyl panels with a mild automotive detergent and water. Allow to thoroughly dry. Store the cab in a clean, cool, dry place, out of direct sunlight. Avoid folding the plastic windows.

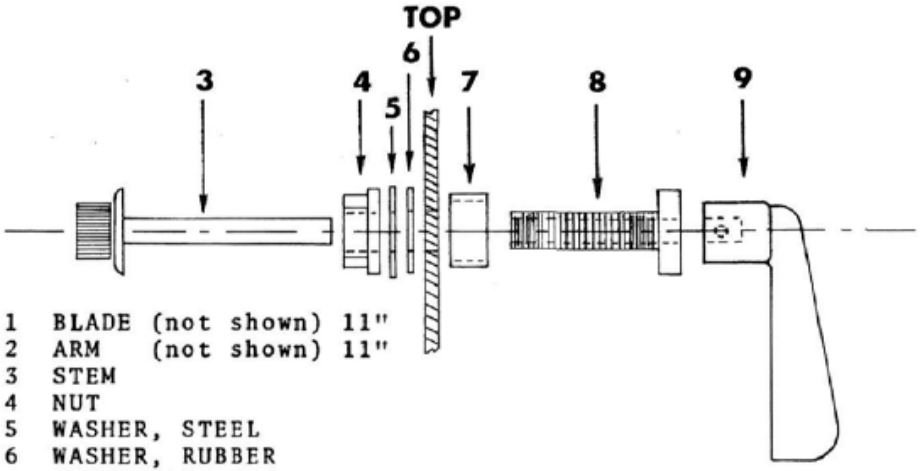
C A U T I O N C A U T I O N C A U T I O N

This cab is designed to provide foul weather protection only. Do not expect protection from noise, engine exhaust fumes, chemicals, or injury caused by collision, roll-over or other accidents. Do not operate the tractor in confined areas without proper ventilation.

During use, keep in mind that the cab will restrict your field of vision when compared to operation without it. Remember that the cab adds height to the tractor. Low tree limbs, clothes lines, etc. that did not interfere with tractor operation during the summer may now become obstacles. Thoroughly check the area of operation before using the tractor.

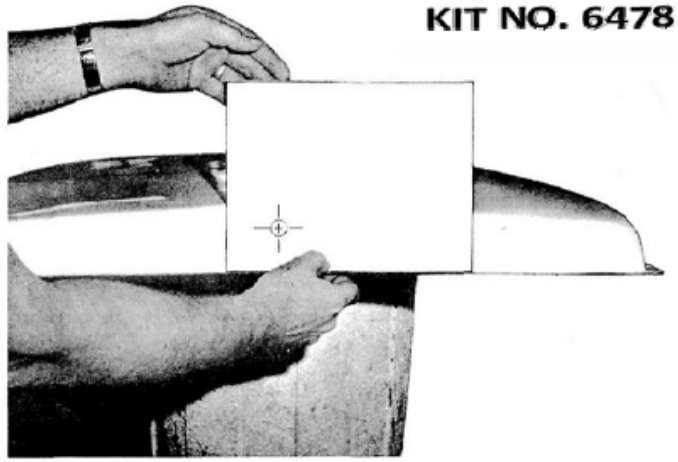
REPLACEMENT PARTS ORDERING

RETAIN THESE SHEETS! When ordering replacement parts, always give the PART NUMBER, the PART DESCRIPTION, and the CAB MODEL NUMBER.



1 BLADE (not shown) 11"
2 ARM (not shown) 11"
3 STEM
4 NUT
5 WASHER, STEEL
6 WASHER, RUBBER
- FIBERGLASS TOP
7 #7546 SPACER (3/4" O.D. x 3/8" long)
8 THREADED BODY
9 HANDLE

KIT NO. 6478



1. Place this template against the front of the TOP as shown, with the location for the 7/16" hole centered crosswise.

2. Mark the TOP and drill a 7/16" hole thru the front of the TOP.

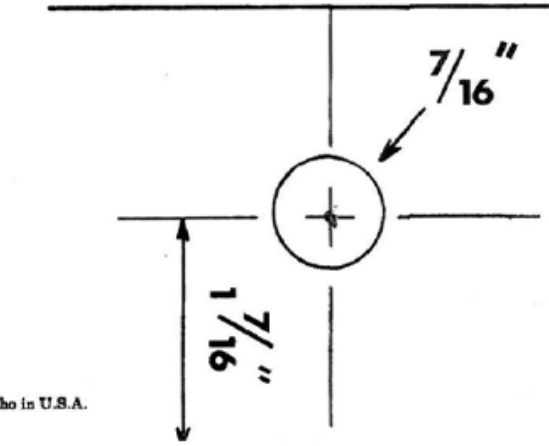
3. Place the SPACER (7) onto the THREADED BODY (8) and from inside the cab, insert the THREADED SPACER (8) thru the hole in the TOP, add a RUBBER WASHER, then add a STEEL WASHER, then add the NUT. Tighten the NUT securely.

4. From outside the cab, insert the STEM (3) thru the THREADED BODY and add the HANDLE to the other end of the STEM inside the cab. Use a small screw driver to tighten the set-screw of the HANDLE to the STEM.

5. With the HANDLE hanging straight down, attach the ARM to the splined stem on the outside of cab, with the ARM also hanging straight down.
Add the WIPER BLADE to the ARM.

FOR HAND WINDSHIELD WIPER MOUNTING

CENTER CROSSWISE ON FRONT OF TOP



PLACE THIS EDGE ON FRONT LIP OF TOP. MARK, AND DRILL HOLE AS SHOWN.

FORM 6477 281

Litho in U.S.A.