

**SNOW CAB MODEL # 79978  
FOR  
TORO WHEEL HORSE  
300, 400, and 500 Series Tractors**

**! IMPORTANT !**

READ THIS ASSEMBLY MANUAL CAREFULLY AND KEEP FOR FUTURE REFERENCE

**TOOLS REQUIRED**

2 7/16" WRENCHES  
2 1/2" WRENCHES  
1 3/32" ALLEN WRENCH

# CAB MODEL # 79978

## CARTON CONTENTS

| KEY# | PART#   | QTY | DESCRIPTION                                       |
|------|---------|-----|---|
| 1    | 10288   | 1   | FRONT PANEL ATTACHING BRACKET, RIGHT              |
| 2    | 10289   | 1   | FRONT PANEL ATTACHING BRACKET, LEFT               |
| 3    | 10279   | 1   | FRONT PANEL FRAME                                 |
| 4    | 10284   | 1   | FOOT, RIGHT                                       |
| 5    | 10282   | 1   | FRONT PANEL FRAME BRACE, RIGHT                    |
| 6    | 10283   | 1   | FRONT PANEL FRAME BRACE, LEFT                     |
| 7    | 10281   | 1   | FRONT PANEL FRAME LEG                             |
| 8    | 10285   | 1   | FOOT, LEFT  |
| 9    | 10004   | 2   | FRONT POST, STRAIGHT                              |
| 10   | 10002   | 1   | TOP FRAME BRACE, RIGHT                            |
| 11   | 10003   | 1   | TOP FRAME BRACE, LEFT                             |
| 12   | 10286   | 1   | FOOT POCKET GUARD, RIGHT                          |
| 13   | 10287   | 1   | FOOT POCKET GUARD, LEFT                           |
| 14   | 10290   | 1   | REAR BRACKET, RIGHT                               |
| 15   | 10291   | 1   | REAR BRACKET, LEFT                                |
| 16   | 10750   | 1   | REAR POST, RIGHT                                  |
| 17   | 10751   | 1   | REAR POST, LEFT                                   |
| 18   | 10292   | 1   | REAR BOXING POST, RIGHT                           |
| 19   | 10293   | 1   | REAR BOXING POST, LEFT                            |
| 20   | 10001   | 1   | TOP FRAME   |
| 21   | 04411   | 1   | 3/4" "U" CLAMP                                    |
| 22   | 09199   | 1   | CHUTE CONTROL BRACKET, LONG                       |
| 23   | 04410   | 1   | CHUTE CONTROL BRACKET, SHORT                      |
| 24   | 10749-R | 1   | WINDSHIELD  |
| 25   | 10752-R | 1   | FRONT PANEL VINYL                                 |
| 26   | 10275-R | 1   | REAR CURTAIN                                      |
| 27   | 10753-R | 1   | DOOR, RIGHT                                       |
| 28   | 10754-R | 1   | DOOR, LEFT  |
| 29   | 10294   | 1   | DOOR BOTTOM, RIGHT                                |
| 30   | 10295   | 1   | DOOR BOTTOM, LEFT                                 |
| 31   | 10000   | 1   | PLASTIC TOP                                       |
| 32   | 9200    | 1   | CHUTE CONTROL EXTENSION (1 STAGE)                 |
| 33   | 10296   | 1   | CHUTE CONTROL EXTENSION (2 STAGE)                 |
| 34   | 10278   | 1   | HARDWARE PACKAGE (contents listed on next page)   |
| 35   | 9800    | 1   | DOOR LATCH PACKAGE (contents listed on next page) |

HARDWARE AND DOOR LATCH PACKAGE

PACKAGE # PART # QTY# DESCRIPTION

10278

HARDWARE PACKAGE

|       |    |                                  |
|-------|----|----------------------------------|
| 00788 | 28 | 1/4"-20 X 3/4" CAPSCREW, HEX     |
| 00730 | 32 | 1/4"-20 LOCKNUT                  |
| 03951 | 4  | 1/4" FLAT WASHER                 |
| 4580  | 2  | 5/16"-18 X 1 3/4" RHMS           |
| 02187 | 1  | 5/16"-18 X 1 1/2" CAPSCREW , HEX |
| 00785 | 4  | 5/16"-18 X 1" CAPSCREW, HEX      |
| 00784 | 4  | 5/16"-18 X 3/4" CAPSCREW, HEX    |
| 00317 | 2  | 5/16" FLAT WASHER                |
| 00729 | 7  | 5/16"- 18 LOCKNUT                |
| 06835 | 1  | HAIR PIN COTTER                  |
| 04902 | 2  | PLASTIC PROTECTOR                |
| 00015 | 4  | DOOR HINGE                       |

9800

DOOR LATCH PACKAGE

|       |   |                              |
|-------|---|------------------------------|
| 00786 | 4 | 1/4"-20 X 5/8" CAPSCREW, HEX |
| 09796 | 2 | DOOR LATCH                   |
| 09794 | 2 | BLACK VINYL GRIP             |
| 0115F | 2 | SPACER                       |
| 09746 | 2 | SPRING                       |

For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

**READ THESE INSTUCTIONS COMPLETELY BEFORE BEGINNING  
INSTALLATION.**

**THE RIGHT SIDE OF THE TRACTOR IS DETERMINED AS BEING SEATED  
IN THE OPERATORS POSITION.**

**IN THESE INSTRUCTIONS "BOLT" MEANS 1/4" X 3/4" CAPSCREW AND  
"NUT" MEANS 1/4" LOCKNUT, UNLESS SPECIFIED OTHERWISE.**

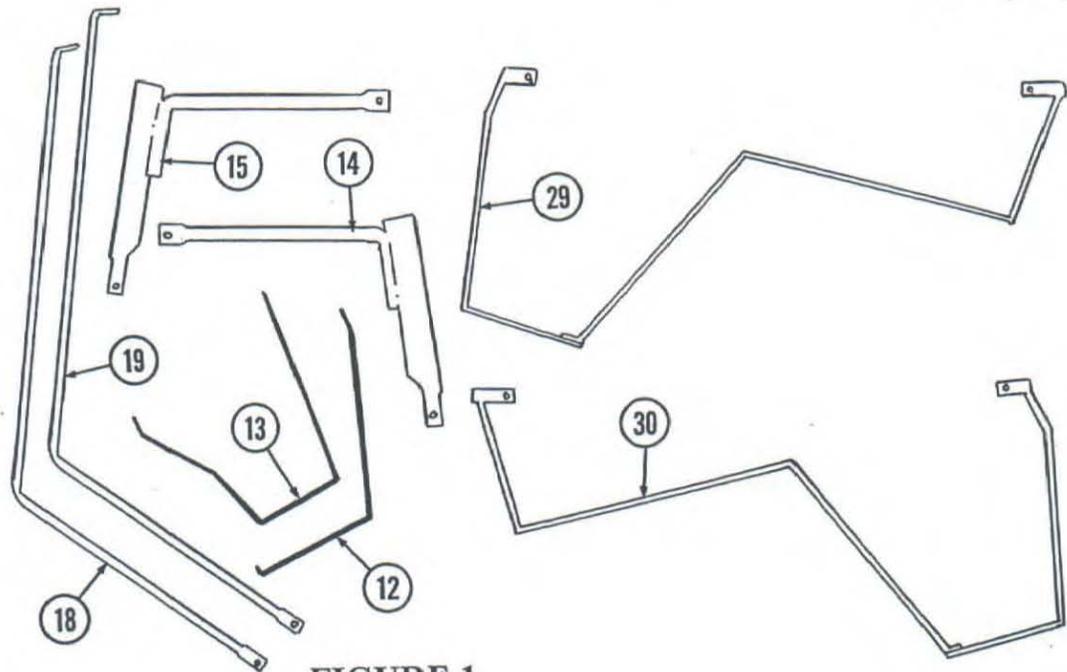
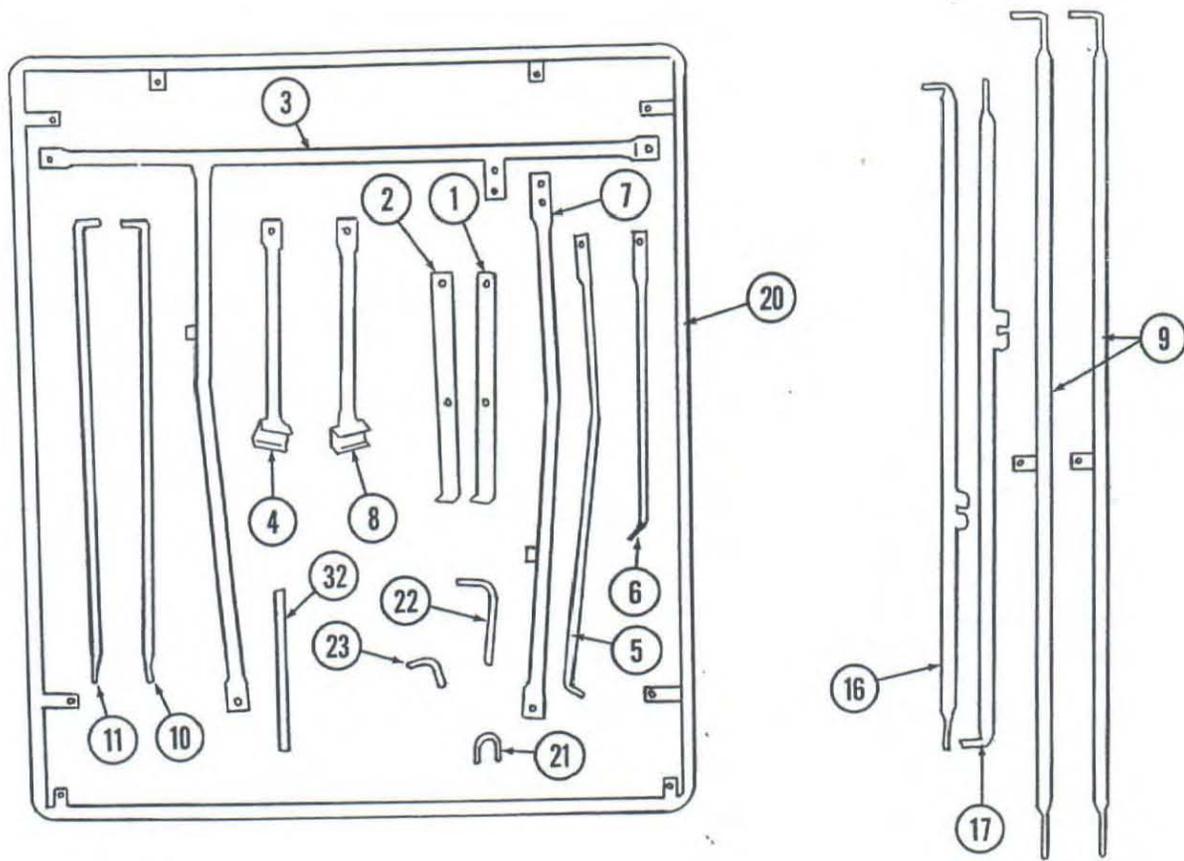
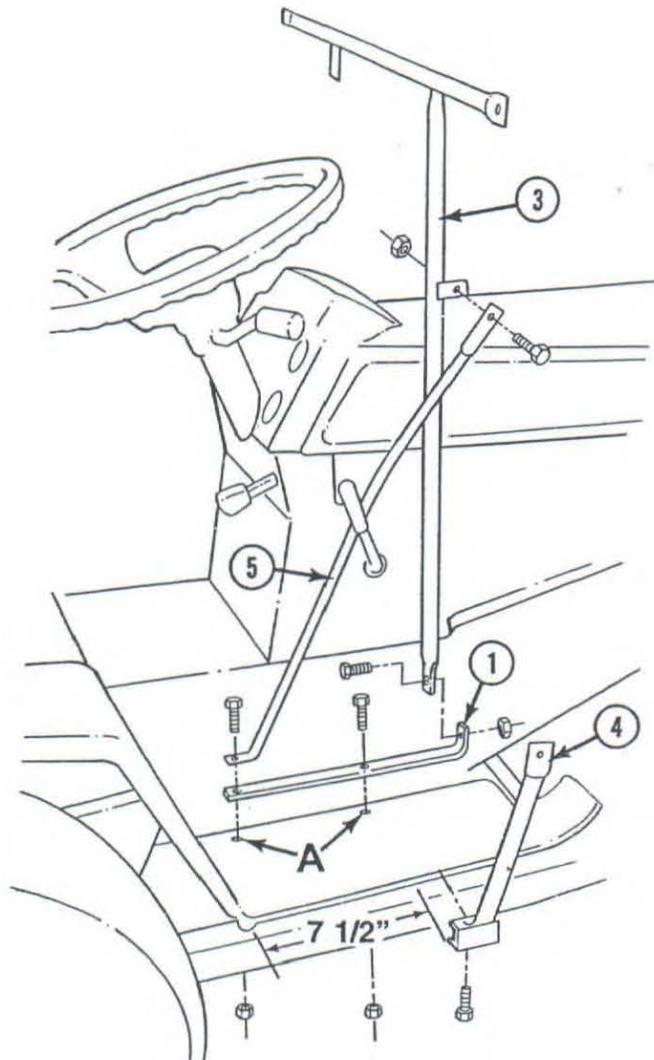


FIGURE 1

IDENTIFY ALL PARTS OF  
FIGURE 1

**FIGURE 2**



## **STEP 1; SEE FIGURE 2**

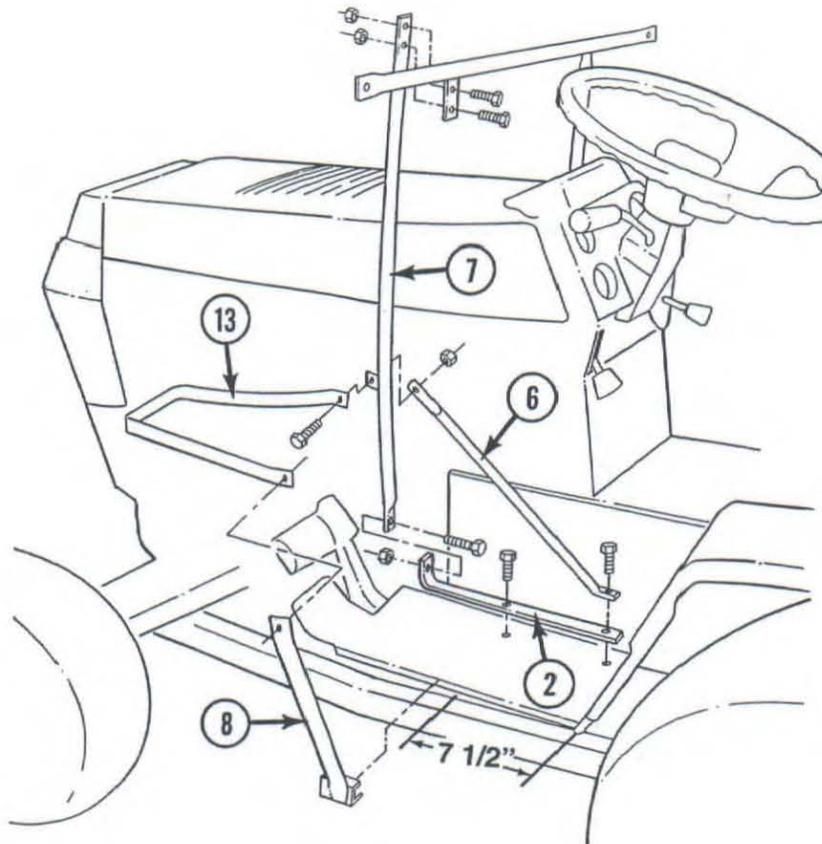
Install the right side FRONT PANEL ATTACHING BRACKET (1), FRONT PANEL FRAME (3), RIGHT FOOT (4), FRONT PANEL FRAME BRACE (5).

**A.** IF your tractor is equipped with a belt guard at REFERENCE A, remove the two bolts. Place the FRONT PANEL ATTACHING BRACKET (1) over the holes. Insert a 5/16" x 1" bolt through the lower end of the right FRONT PANEL FRAME BRACE (5) then through the rear of the bracket and step plate. Insert another 5/16" x 1" bolt down through the other hole. Replace the belt guard if necessary, add 5/16" locknuts and tighten.

**NOTE:** Late model tractors have thick rubber step plate mats. In these cases, remove the inside row of plastic fasteners with needle nose pliers and flat screw driver. Lift the mat up to position attaching brackets over the holes. The mat can be left alone or you may choose to cut the rubber around the parts with a razor knife.

**B.** Insert a 5/16" x 1 3/4" screw into the RIGHT FOOT (4). Place the foot on the step plate approximately 7 1/2" from the fender. The foot will lean forward if attached properly. If the foot leans towards the back, the wrong foot is being used.

**C.** Place the FRONT PANEL FRAME (3) over the hood and fasten it to the attaching bracket (1) and the brace (5) with two bolts and nuts. Tighten all bolts.



**FIGURE 3**

## **STEP 2; SEE FIGURE 3**

Install the left side FRONT PANEL ATTACHING BRACKET (2), FRONT PANEL FRAME LEG (7), FOOT LEFT (8), FOOT POCKET GUARD, LEFT (13).

**A.** Attach the left FRONT PANEL ATTACHING BRACKET (2) and the left FRONT PANEL FRAME BRACE (6) in the same manner as the right side, Step 2.

**NOTE:** If your tractor is equipped with an electric lift option you will need to locate the bracket (2) against the side of the lift cover panel. Place the bracket on the step plate (in the same location as the right side) and mark the hole locations. Drill two 5/16" holes and attach the bracket with two 5/16" x 1" bolts and secure with locknuts.

**B.** Insert two bolts forward through the tab welded to left side of the front panel frame (3). Place the FRONT PANEL FRAME LEG (7) over the bolts, keeping the welded tab to the right and pointing forward, add nuts. Attach the leg (7) to the bracket (2) with a bolt and nut. Tighten all bolts.

**C.** Insert a bolt through the bent side of the left FOOT POCKET GUARD (13), the tab welded to the leg (7), and then the front panel frame brace (6). Add a nut and tighten keeping the pocket guard horizontal.

**D.** Insert a 5/16" x 1 3/4" screw into the left FOOT (8). Place the foot on the step plate approximately 7 1/2" from the fender. The foot will lean forward if attached properly. If the foot leans towards the rear, the wrong side foot is being used.

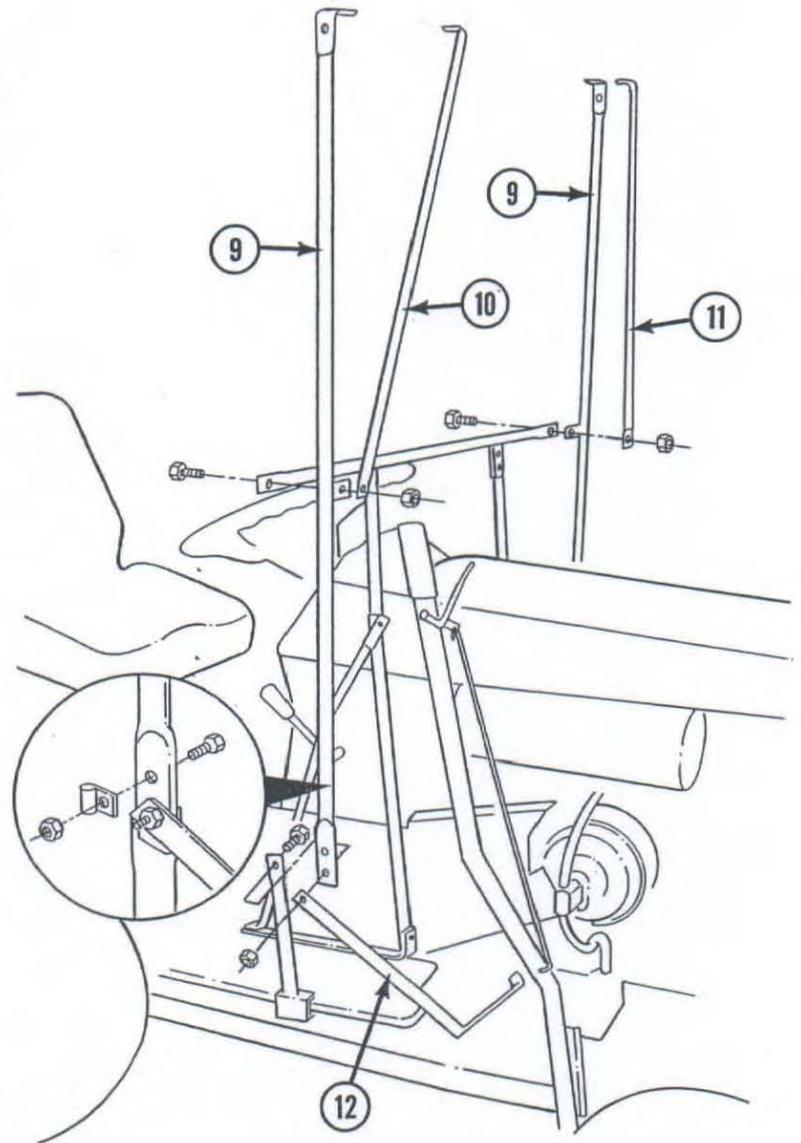
### STEP 3; SEE FIGURE 4

Install the FRONT POSTS (9), and the right and left TOP FRAME BRACE (10 & 11).

A. Insert a bolt forward through the right end of the front panel frame, the tab welded to the FRONT POST (9), and then the end of the right TOP FRAME BRACE (10).

**NOTE:** The top of the top brace will lay flat when tilted inward and leaning forward. Add a nut and tighten keeping the top brace leaning inward and tilted forward.

B. Repeat the above step on left side with left TOP FRAME BRACE (11) & FRONT POST (9).



### STEP 4; SEE FIGURE 4

Install the RIGHT FOOT POCKET GUARD (12) where post and foot connect.

A. Insert a bolt outward through the right foot, the bottom hole in the post and then the FOOT POCKET GUARD (12). Add a nut and tighten.

### STEP 5; SEE FIGURE 4 INSET

A. Install a door hinge at the second hole from the bottom of each front post with a bolt and nut as shown.

FIGURE 4

## STEP 6; SEE FIGURE 5

Install the RIGHT and LEFT REAR BRACKETS (14 & 15 ) to the seat deck.

A. Remove the bolts at REFERENCE B. Place the REAR BRACKETS over the holes, insert a 5/16" x 3/4" bolt into the holes at reference B. Replace the nuts.

B. Place a 5/16" washer over two 5/16" x 3/4" bolts. Insert the two bolts from under the fender through the rear of the seat deck holes, then through the rear brackets. Add locknuts and tighten

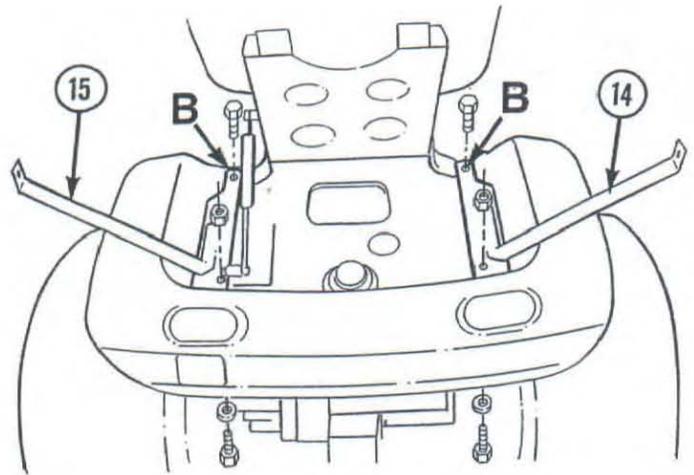


FIGURE 5

FIGURE 6

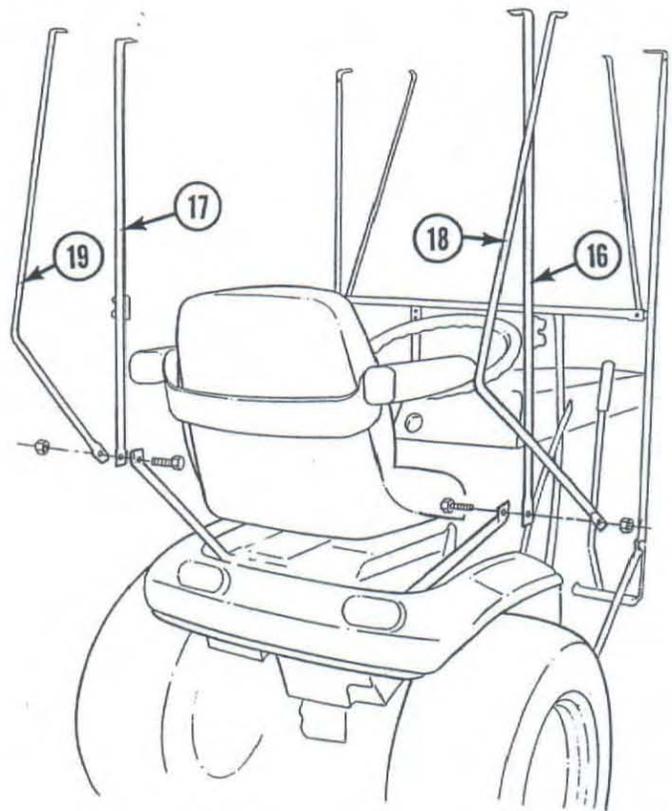
## STEP 7; SEE FIGURE 6

Install the right and left REAR POSTS (16 & 17) and REAR BOXING POSTS (18 & 19) to the rear brackets..

**NOTE:** To distinguish the right and left REAR POST (16 & 17) from each other, the rear post latch should be located forward of the post with the open end to the outside when the posts are bolted on.

A. Insert a bolt outward through the right end of the rear bracket. Place the lower end of the right REAR POST over the bolt, then the BOXING POST, Add a nut and tighten keeping the post vertical.

B. Repeat STEP A. on the left side with left REAR POST.



## STEP 8; SEE FIGURE 7

Install the TOP FRAME (20) to the ends of the posts.

- A. Place the TOP FRAME on the bent ends of the posts and top frame braces. Insert eight bolts upwards, add nuts and tighten.
- B. Place a plastic protector over the bent end of each rear post. **SEE INSET**

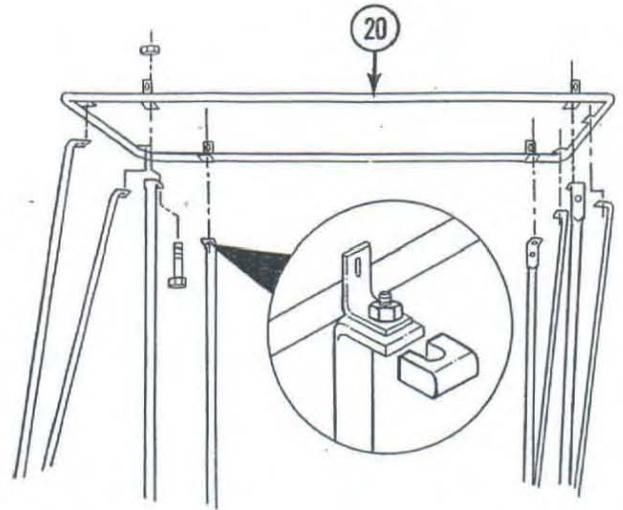


FIGURE 7

## STEP 9; SEE FIGURE 8A, 8B

**NOTE:** The single stage blower requires the long CHUTE CONTROL BRACKET (22), FIGURE 8A, on the right front post. The two stage blower requires the short CHUTE CONTROL BRACKET (23), FIGURE 8B, on the left front post .

- A. Place the 3/4" "U" CLAMP (21) open end forward and 11" above the bottom of the post. Insert a 5/16" x 1 1/2" bolt through the clamp. Place the correct bracket over the bolt. Add a 5/16" locknut and tighten.

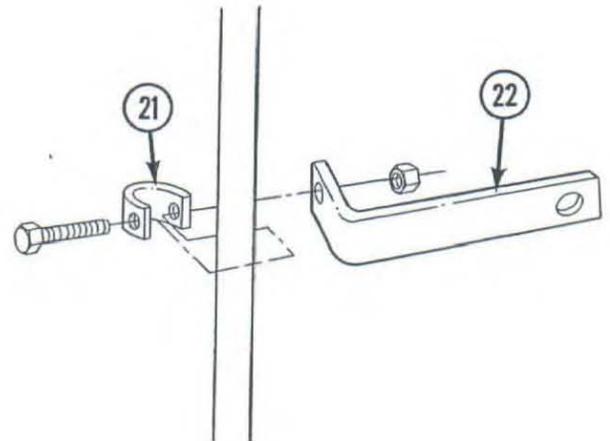


FIGURE 8A

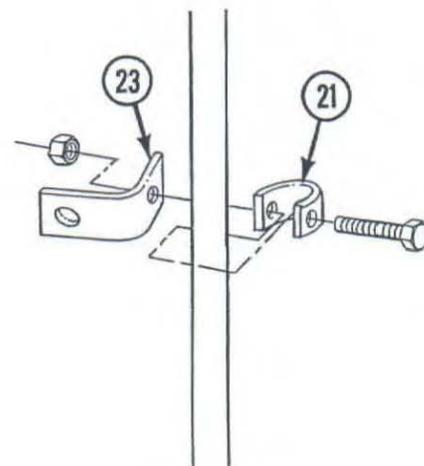


FIGURE 8B

## STEP 10; SEE FIGURE 9

Install the WINDSHIELD (24) onto the top frame, along with the FRONT PANEL VINYL (25)

A. Lay both the WINDSHIELD and FRONT PANEL VINYL onto a smooth surface. Place a piece of cardboard, or a large towel under it to keep the windshield from being scratched.

B. Press the velcro strips together joining the WINDSHIELD and the FRONT PANEL VINYL.

C. Snap the top corners of the WINDSHIELD onto the corners of the top frame.

**NOTE:** The blade lever for 300, 400 series travels through the zipper slot on the vinyl. The 500 series will travel to the outside.

D. Close the snaps around the front posts and each foot. Secure the ties to the front panel cross bar. Hook the springs under the step plates, at an appropriate place free of any obstructions.

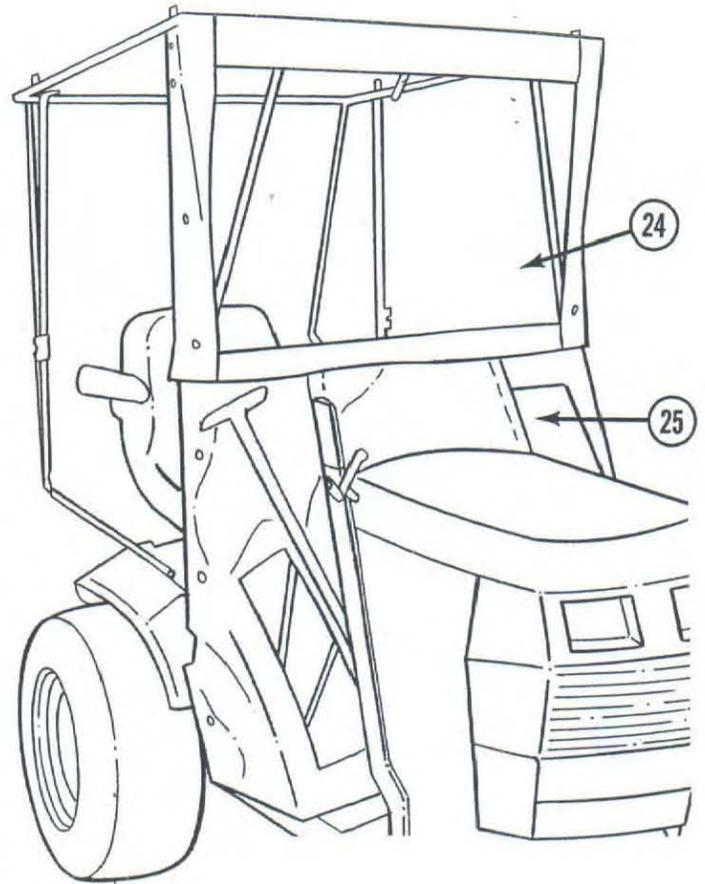


FIGURE 9

## STEP 11; SEE FIGURE 10

Install the REAR CURTAIN (26) onto the top frame and rear posts.

A. Snap the REAR CURTAIN to the top frame and rear posts.

B. Open the zipper to fuel the tractor.

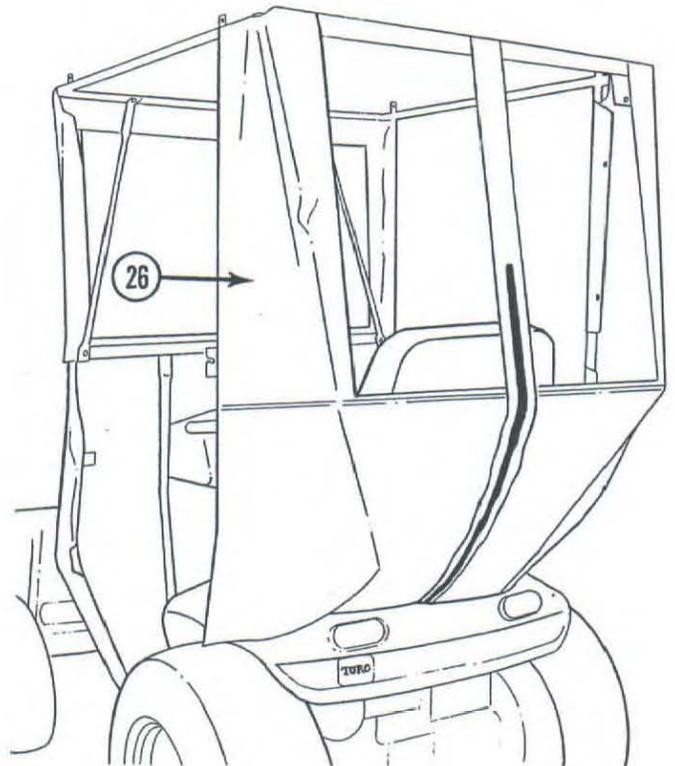


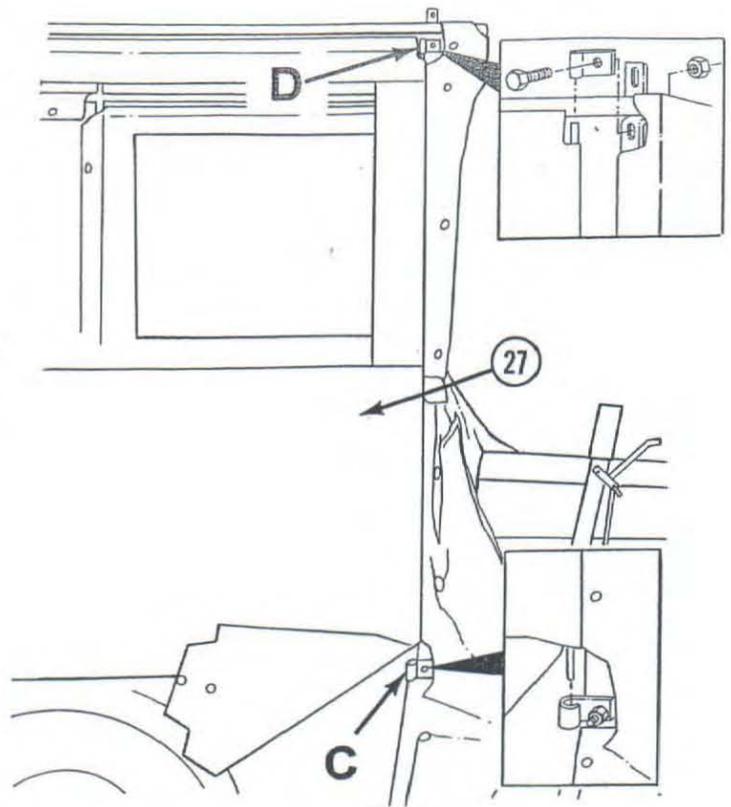
FIGURE 10

## STEP 12; SEE FIGURE 11

Install the right and left DOORS ( 27 & 28 ) onto the front posts.

A. Insert the rod at the bottom of the right DOOR into the hinge at the bottom of the post REFERENCE C. Place a door hinge over the rod at the top of the door and secure it with a bolt and nut at REFERENCE D.

B. Repeat step A. for left DOOR.



## STEP 13

Adjust doors to latches.

A. Swing the door into the latch. If it does not line up, loosen the bolt in the clamp welded to the foot and move it forward or back to raise the door up or down. Tighten the bolt.

B. Repeat step A. for the left side for the left DOOR.

FIGURE 11

FIGURE 12A

## STEP 14: SEE FIGURE 12A & B

Install DOOR LATCH (34) onto both doors.

A. Open hardware package #9800 and slide on one collar, one spring, and a door latch onto the center door rod on each side.

B. Push the door rod into the collar. Tap the door frame lightly to seat the collar. Tighten set screw with a 3/32" Allen wrench. Add black vinyl grip to both vinyl handles.

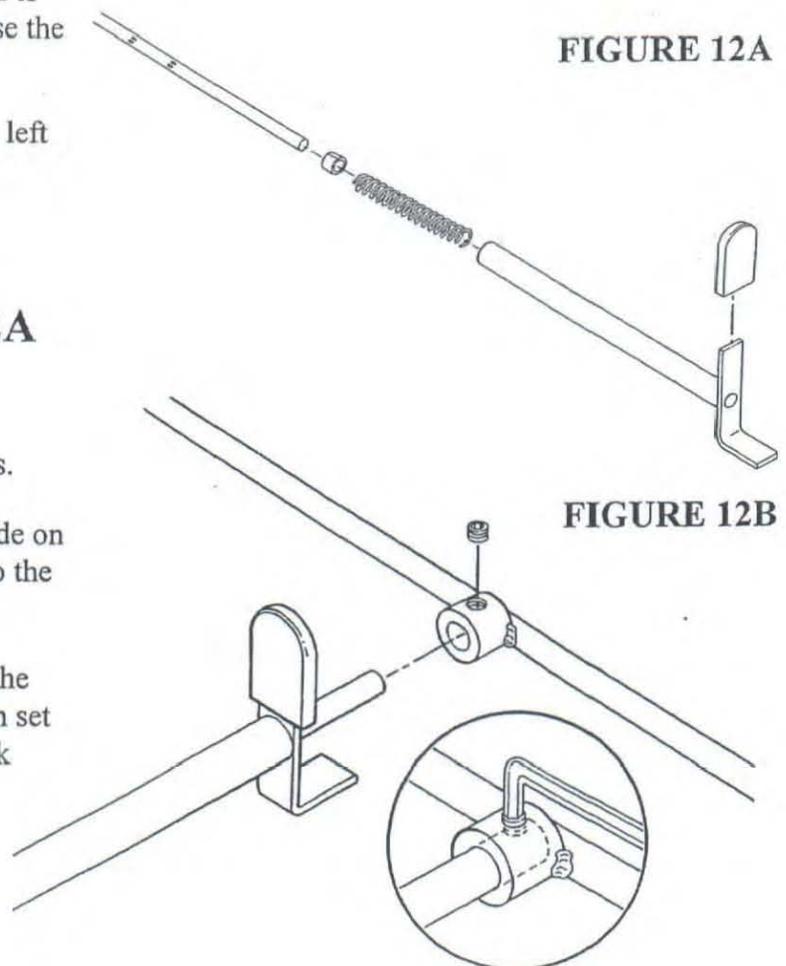


FIGURE 12B

## STEP 15; SEE FIGURE 13

Install the right and left DOOR BOTTOMS ( 29 & 30 ) onto the lower door frame.

- A. Insert two 1/4" x 5/8" bolts, found in the DOOR LATCH PACKAGE, through the holes in the bar at the bottom of the right door with the bolt heads against the vinyl. Place the right DOOR BOTTOM over the bolts, add nuts and tighten.
- B. Close the snaps around the rod at the bottom and secure the ties to the rod.
- C. Repeat steps A. & B. for the left side with the left DOOR BOTTOM.

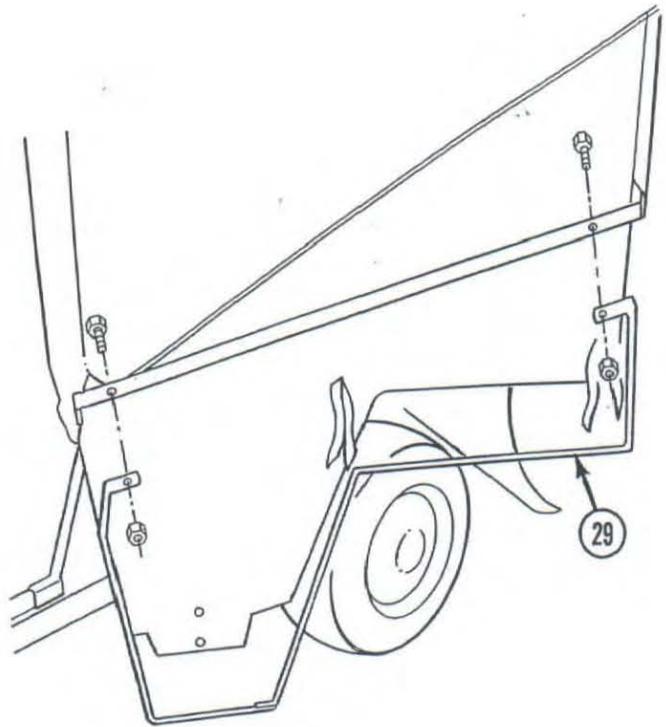
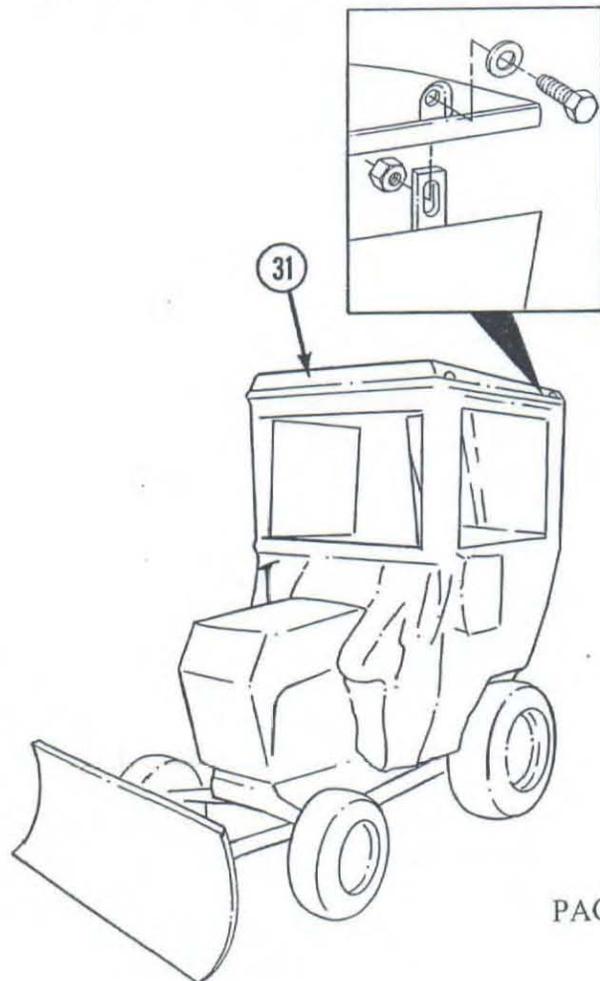


FIGURE 13

FIGURE 14



## STEP 16; SEE FIGURE 14

Install the PLASTIC TOP ( 31 )

- A. Place the PLASTIC TOP on the top frame so that it holds the rods sewn into the top of the windshield and rear curtain above the frame.
- B. Place a 1/4" flat washer onto each of four bolts. Insert the bolts inwards through the holes. Add nuts and tighten.

## STEP 17; SEE FIGURE 15

Reconnect chute control with CHUTE CONTROL EXTENSION TUBE (32) for 2 stage or CHUTE CONTROL EXTENSION ROD (33) for single stage.

A. Insert the chute control through the chute control bracket and then the slot in the vinyl.

**TWO STAGE BLOWER:** Reconnect the control with the CHUTE CONTROL EXTENSION TUBE (32) and hair pin provided.

**SINGLE STAGE BLOWER:** Reconnect the control with the CHUTE CONTROL EXTENSION ROD (33) and hair pin provided.

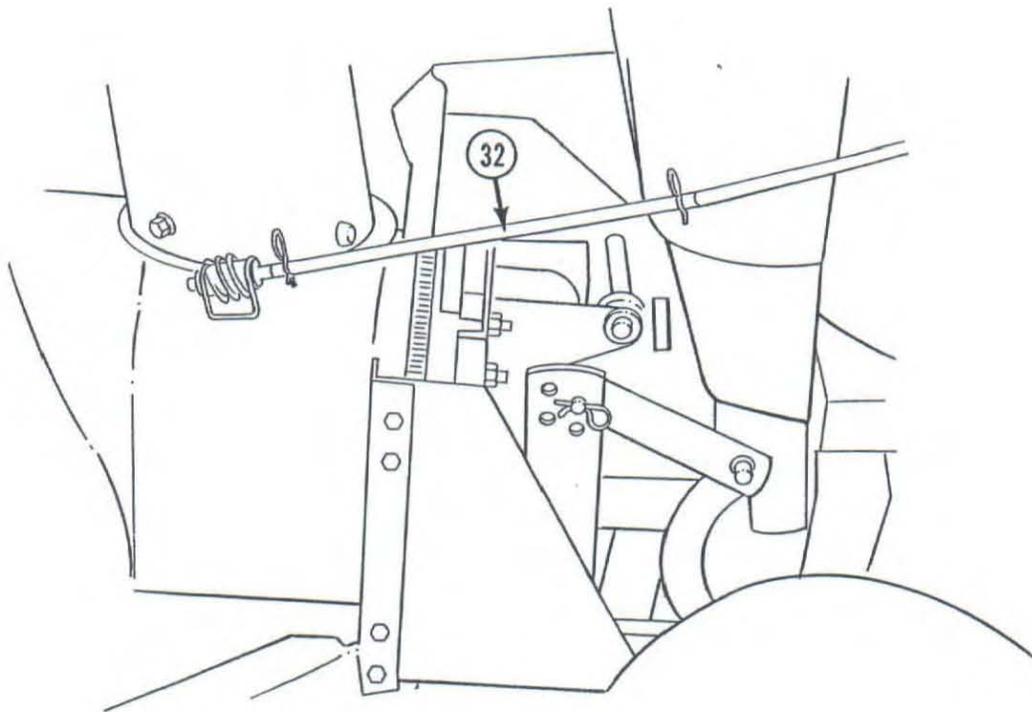


FIGURE 15