

2147

Weather Brake

For John Deere 4100

Part Number 307022147

Femco, Inc.

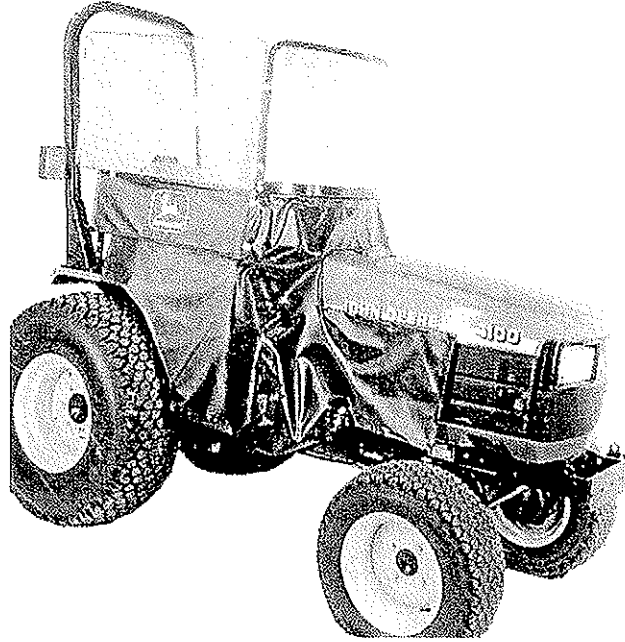
1-800-677-0898

500 North 81 By-Pass

McPherson, KS 67460

FORM 286295500

Introduction



READ THIS MANUAL carefully to learn how to operate and service your machine correctly. Failure to do so could result in personal injury or equipment damage.

THIS MANUAL SHOULD BE CONSIDERED a permanent part of your machine and should remain with the machine when you sell it.

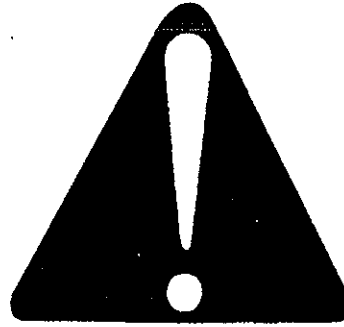
RIGHT-HAND AND LEFT-HAND sides are determined by facing in the direction of forward travel.

Safety

RECOGNIZE SAFETY INFORMATION

This is a safety-alert symbol. When you see this symbol on your machine or in this manual, be alert to the potential for personal injury.

Follow recommended precautions and safe operating practices.



UNDERSTAND SIGNAL WORDS

A signal word—DANGER, WARNING, or CAUTION—is used with the safety-alert symbol. DANGER identifies the most serious hazards.

DANGER or WARNING safety signs are located near specific hazards. General precautions are listed on CAUTION safety signs. CAUTION also calls attention to safety messages in this manual.

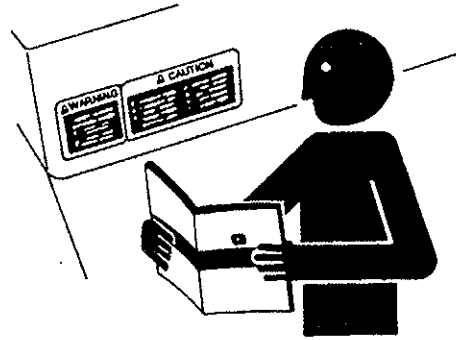
 **DANGER**

 **WARNING**

 **CAUTION**

FOLLOW SAFETY INSTRUCTIONS

Carefully read all safety messages in this manual and on your machine safety signs. Keep safety signs in good condition. Replace missing or damaged safety signs. Be sure new equipment components and repair parts include the current safety signs. Replacement safety signs are available from your John Deere dealer.



Learn how to operate the machine and how to use controls properly. Do not let anyone operate without instruction.

Keep your machine in proper working condition. Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.

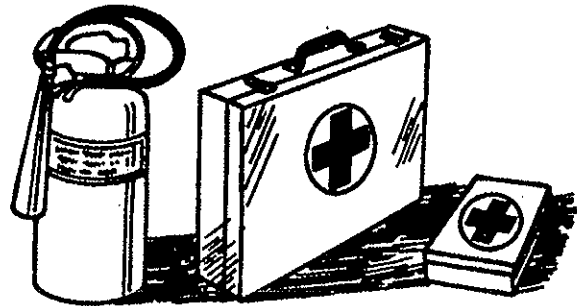
If you do not understand any part of this manual and need assistance, contact your John Deere dealer.

PREPARE FOR EMERGENCIES

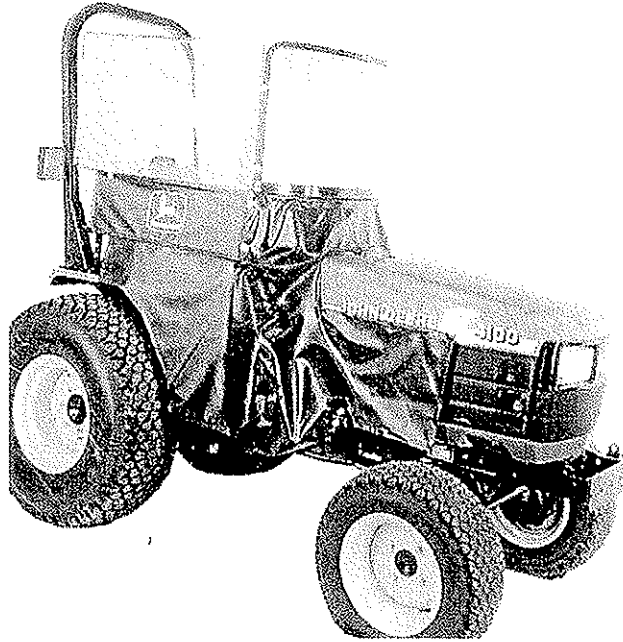
Be prepared if a fire starts.

Keep a first aid kit and fire extinguisher handy.

Keep emergency numbers for doctors, ambulance service, hospital, and fire department near your telephone.



Installation



This manual provides installation instructions for weathershields on 4100 Tractors.

GENERAL INFORMATION

IMPORTANT: Read and understand all instructions before mounting weathershield.

1. Left-hand and right-hand sides are determined from the normal driving position of tractor facing forward.
2. All bolts, cap screws, etc. are to be installed from outside to inside weathershield unless otherwise instructed.
3. Do not tighten hardware until instructed to do so.

TOOLS REQUIRED

- 10 mm socket or combination wrench
- 7/16 in. socket or combination wrench
- Utility knife or scissors
- Drill with 9/32 in. drill bit

PREPARE WEATHERSHIELD

1. Unpack carton.
2. Identify parts with exploded views and line art found on the following pages.

*NOTE: Specifications may change without notice.
Components may not appear to be identical to those illustrated, but will be functionally interchangeable.*

3. Set out parts and hardware.

NOTE: Position weathershield parts near point of use (e.g., left door near left side of tractor), and layout tools close to work area to save time and simplify installation.

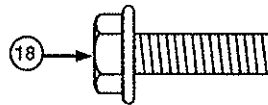
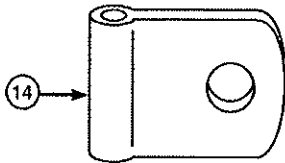
4. Count the hardware.

NOTE: Extra hardware may be provided due to pre-packaging.

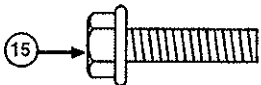
PREPARE TRACTOR

1. Park tractor on a firm and level surface.
2. Disengage PTO drive, lower any or all attachments.
3. Apply parking brake.
4. Stop engine. Allow it to cool.
5. Remove ignition key.

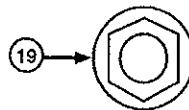
HARDWARE COMPONENTS



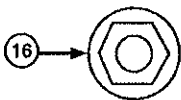
1/4 x 3/4 in.



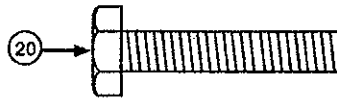
#10 x 3/4 in.



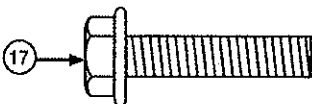
1/4 in.



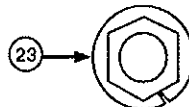
#10 x 24



M8 x 30 mm

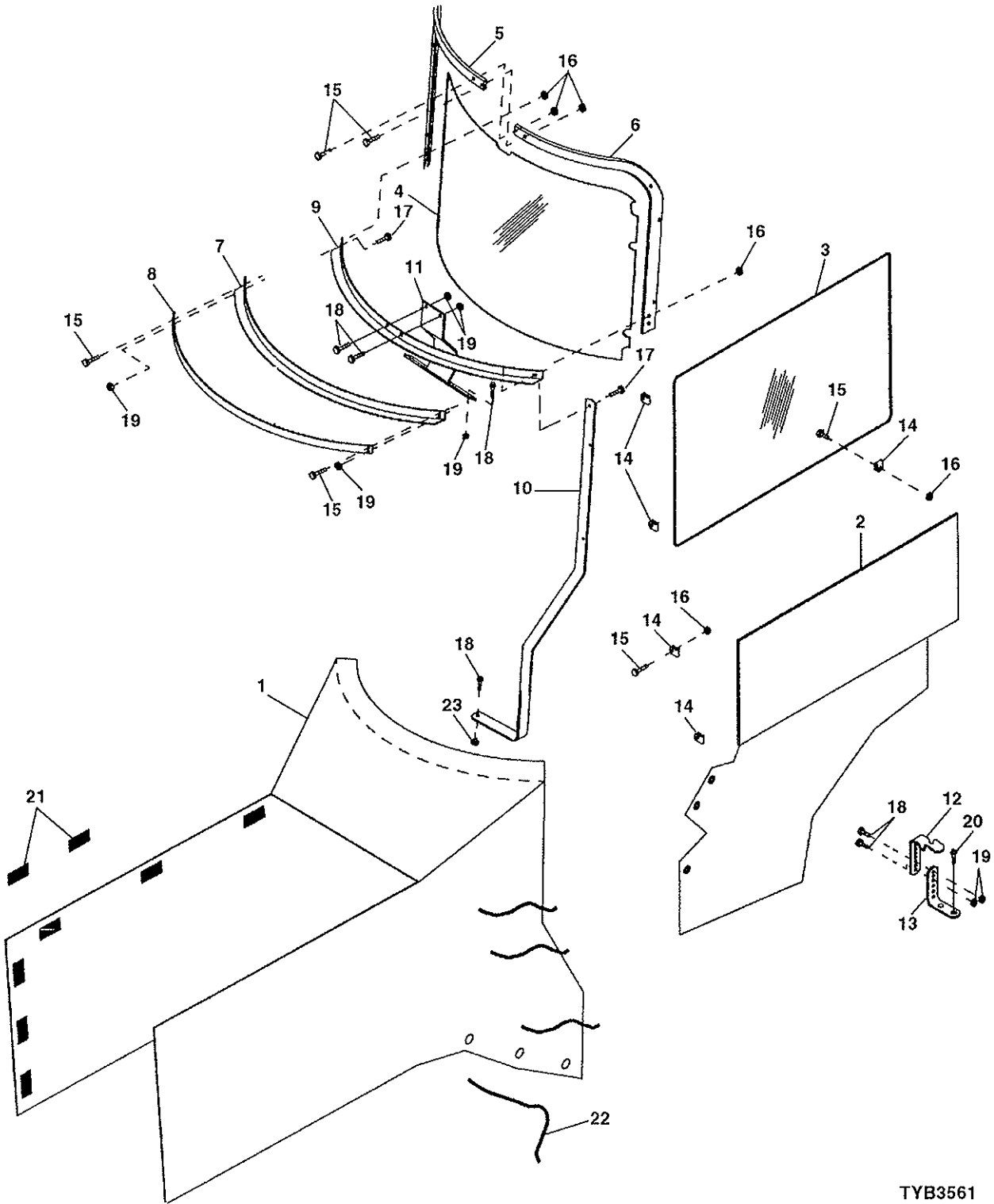


1/4 x 1 in.



1/4 in.

WEATHERSHIELD LAYOUT DIAGRAM



TYB3561

Installation

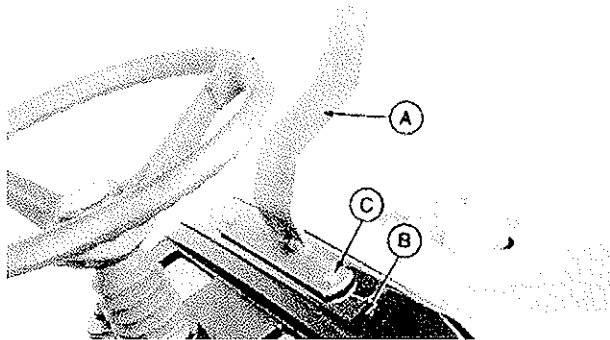
Key	Part No.	Description	Qty
1	720857001	Cover, Motor	1
2	720857101	Door, L.H.	1
	720857201	Door, R.H. (Not Shown)	1
3	720735000	Window, Side	2
4	711389800	Windshield	1
5	712181101	Frame, Windshield, R.H.	1
6	712181201	Frame, Windshield, L.H.	1
7	712181301	Windshield, Angle	1
8	712181401	Windshield, Flat	1
9	712106701	Yoke	1
10	711698701	Post, Door, L.H.	1
	711698801	Post, Door, R.H. (Not Shown)	1
11	720857301	Bracket, Yoke	1
12	711167201	Latch, Door	2
13	711230601	Latch, Door Bracket	2
14	712190181	F1 Clip	10
15	292021083	Bolt, #10 x 3/4	14
16	292508183	Nut, #10	14
17	292020783	Bolt, 1/4 x 1 in.	2
18	292020183	Bolt, 1/4 x 3/4 in.	10
19	292507983	Nut, 1/4 in.	8
20	292027783	Bolt, M8 x 30 mm	2
21	201850601	Dual Lock™ Adhesive	1
22	205370201	Webbing, 5/8 in.	11 yds
23	292503483	Nut, 1/4 in.	2

Dual Lock is a trademark of the 3M Company.

INSTALL YOKE BRACKET

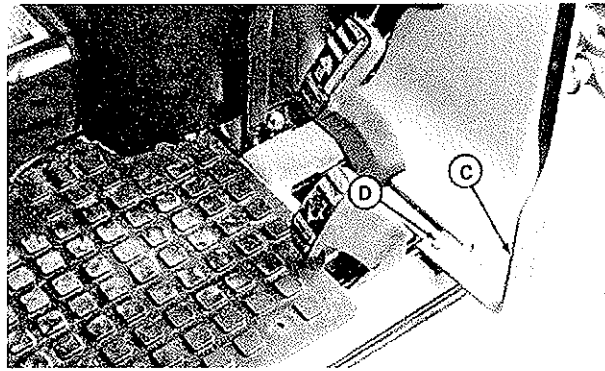
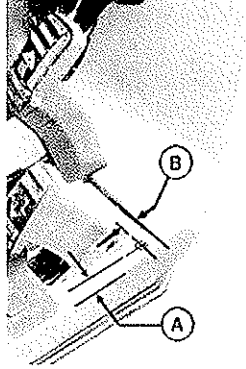
1. Center yoke bracket (A) on metal cowl band (B). Use center yoke bracket as a template to mark hole location in metal cowl band. Drill two 9/32 in. holes.

2. Install two 1/4 x 3/4 in. bolts (C) with nuts. Tighten bolts.



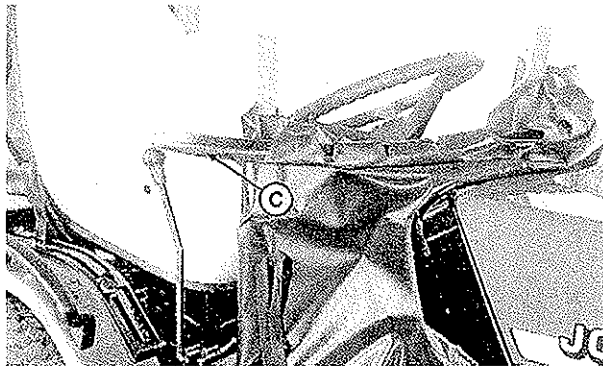
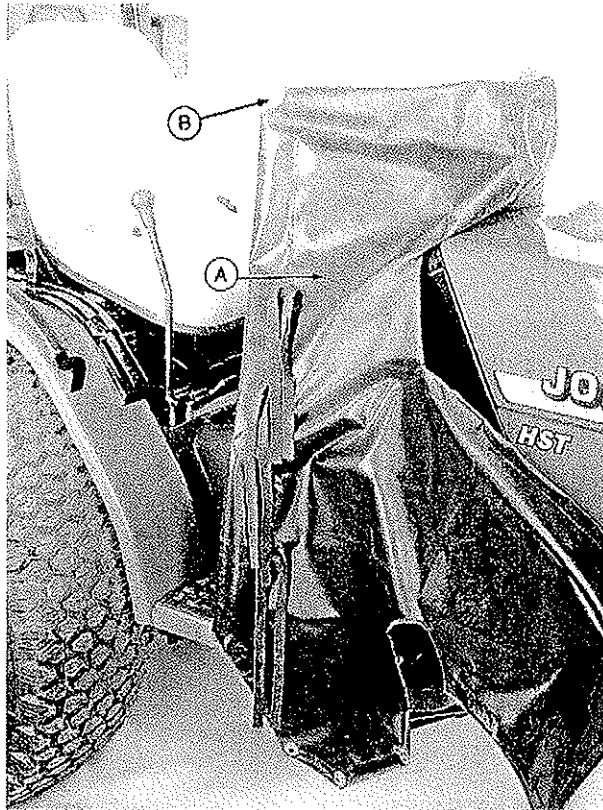
INSTALL DOOR POSTS

1. Mark location for door post mounting hole by measuring in from outside edge of platform 1-3/4 in. (44.5 mm) (A) and 3/4 in. (19 mm) (B) from front seam.
2. Drill a 9/32 in. hole at marked location.
3. Attach door post (C) to platform using a 1/4 x 3/4 in. bolt (D) with nut. Do not tighten bolt.
4. Repeat procedure for opposite side.



INSTALL MOTOR COVER

1. Lay motor cover (A) over hood of tractor.
2. Slide 3 in. (76 mm) side hem of motor cover down over door posts (B).
3. Slide yoke (C) through upper 3 in. (76 mm) hem of motor cover.

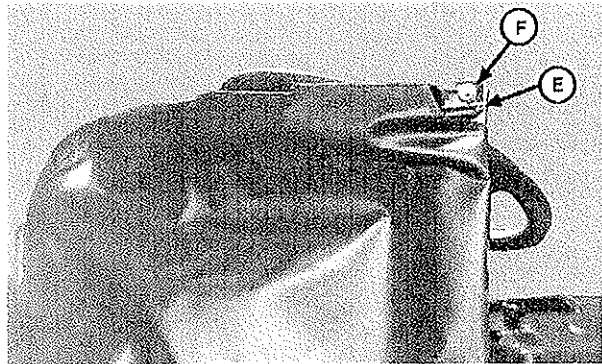
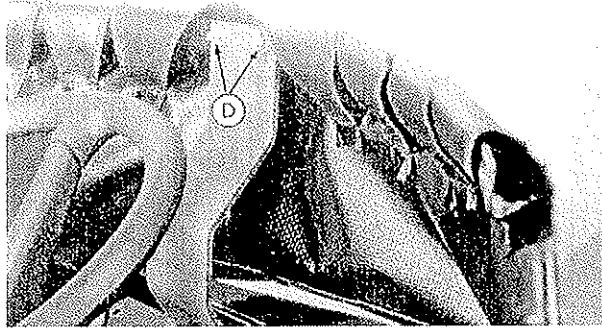


Installation

4. Install two 1/4 x 3/4 in. bolts (D) through yoke and yoke bracket.

5. Attach yoke (E) to both door posts using two 1/4 x 1 in. bolts with nuts (F).

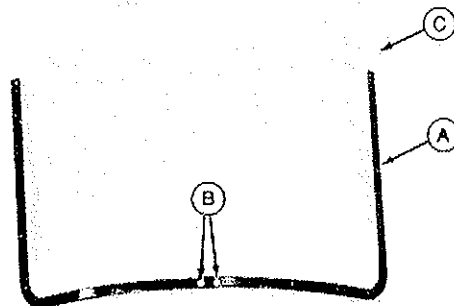
Do not tighten hardware.



INSTALL WINDSHIELD ASSEMBLY

1. Attach left windshield frame (A) to right windshield frame using two #10 x 3/4 in. bolts and nuts (B).

2. Slide windshield (C) into channel of windshield frame.



Installation

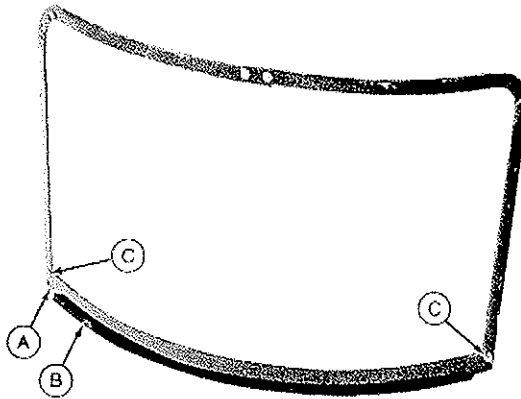
3. Sandwich windshield frame between flat windshield strip (A) and angled strip (B) with flat strip in front of frame and angled strip behind frame.

4. Align bolt holes in left end of strips with two holes in bottom of window frame.

5. Attach strips to frame using #10 x 3/4 in. bolts from inside through upper holes. Fasten with nuts (C).

6. Repeat for right end of strips.

Tighten all bolts.

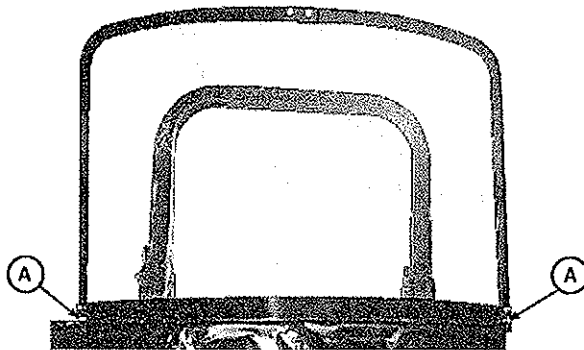


7. Remove nut holding end of yoke to door post.

8. Install windshield assembly using existing 1/4 x 1 in. bolt holding yoke to door posts. Fasten with nut (A) removed in previous step.

9. Attach other side of windshield to yoke using a 1/4 x 1 in. bolt and nut (A).

Tighten all bolts.



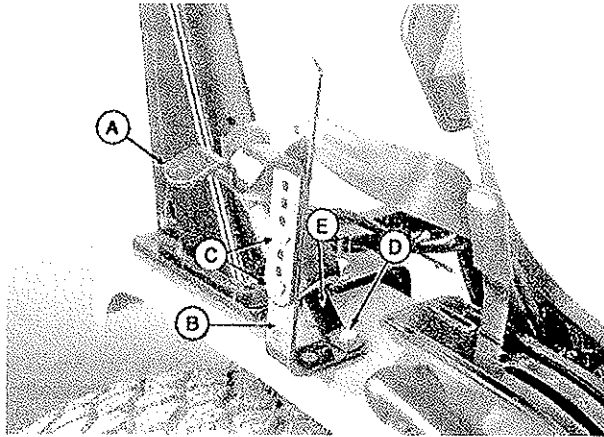
INSTALL DOOR LATCHES

1. Attach door latch (A) to door latch bracket (B) using two 1/4 x 3/4 in. bolts and nuts (C).

IMPORTANT: Series of holes in the door latch and door latch bracket provide a range of adjustment for proper door alignment. Do not tighten bolts (C) until door is installed and adjusted to level position.

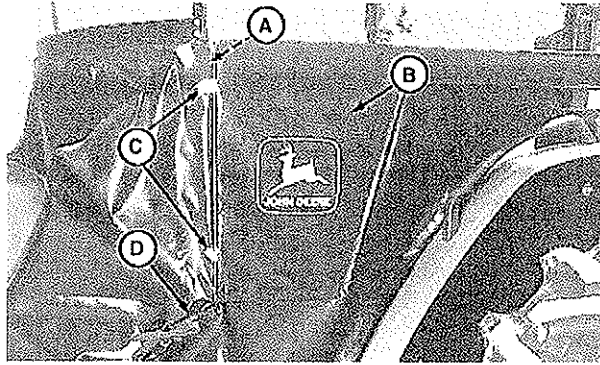
2. Remove seat belt bracket bolt (D). Position door latch assembly beneath seat belt bracket (E) and attach to fender using a M8 x 30 mm bolt (D) and nut.

3. Repeat steps 1 and 2 to install opposite side door latch assembly.



INSTALL DOORS

1. Locate bolt holes in door post (A) under fabric. Cut holes in fabric.
2. Hold front edge of left-hand door (B) along door post. Align top edge of door with bottom of windshield assembly as shown.
3. Mark door post locations on front edge of door.
4. Using door marks as guides, cut 5/8 in. vertical slots in door fabric behind wire door frame.
5. Insert clips (C) through 5/8 in. slots around wire frame.
6. Align clips with door post holes and fasten using #10 x 3/4 in. bolts and nuts.
7. Insert straps (D) on motor cover through eyelets on door and tie.
8. Install right-hand side using same procedure.

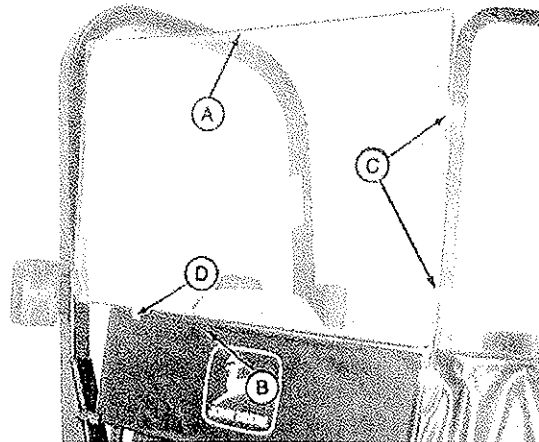


Tighten all bolts.

INSTALL SIDE WINDOWS

1. Hold right-hand side window (A) with one edge along right windshield frame, another edge along top of door (B) as shown.
2. Mark location of holes in windshield frame on front edge of side window.
3. Using marks as guides, cut 5/8 in. vertical slots in side window behind wire window frame.
4. Insert two clips (C) through slots around wire.
5. Align clip holes with holes in windshield frame. Fasten using two #10 x 3/4 in. bolts and nuts.
6. Cut 5/8 in. horizontal slot at rear above lower wire frame of window at (D).
7. Insert clip (D) through slot around wire frame in window.
8. Mark location of clip holes on top of door fabric below door wire. Cut bolt holes in door fabric.
9. Attach window at rear of door using #10 x 3/4 in. bolt with nut.
10. Repeat process for left-hand side window installation.

Tighten all bolts.



A—Side Window
B—Door
C—Clip (2 used)
D—Clip

ATTACH MOTOR COVER DUAL LOCK™ AND STRAPS

NOTE: Do not remove backing from Dual Lock™ at this time.

1. Cut Dual Lock™ into 2 in. (51 mm) lengths.
2. Apply cut Dual Lock™ pieces to all sewn Dual Lock™ pieces on cover.

NOTE: Clean all painted surfaces with mild detergent to assure proper adhesion of dual lock strips.

3. Arrange motor cover (A) in proper position as illustrated.
4. Starting near door post working forward, remove backing from Dual Lock™ strips and apply to tractor, maintaining proper motor cover position.
5. Repeat for all Dual Lock™ strips on both sides of tractor.

IMPORTANT: Route straps so they can not contact rotating parts or hot surfaces.

6. Route and tie up straps (B) under tractor.

Dual Lock is a trademark of the 3M Company.

