

DEFENDERTM

Tractor Cab



Owner's Manual

Model:

- John Deere 1026-R
- John Deere 1023-E

Caution:

Before using this product, read this manual and follow all safety instruction



For Compact tractor

- Safety Instructions
- Kit Contents
- Tool Requirement
- Assembly Instructions
- Additional Notes

*DefenderCabTM and accessories are in no way affiliated with John Deere. Any use of these or there model name(s) is only to identify their Tractors as it pertains to our accessories.

Warning: Failure to heed all safety and operating instructions and / or warnings regarding use of this product can result in serious bodily injury.

SAFETY INSTRUCTIONS

Read entire assembly instructions prior to commencing work.

Install all parts indicated in assembly instructions. Failure to fully assemble product before use could result in personal injury.

Assembly of product requires use of hand and/or power tools. If you are not experienced in using these types of tools, have product dealer do the installation for you.

Some parts contain sharp edges; wear protective gloves if necessary.

Dress for safety. Do not wear loose clothing, neckties or jewelry if using power tools to assemble this product.

Always keep your assembly area clean, uncluttered and well lit.

Keep visitors and children a safe distance away from the assembly area. Visitors should wear the same safety equipment described above.

NEVER OPERATE YOUR TRACTOR WITH THE CAB DOORS OPEN. FAILURE TO PROPERLY LATCH THE DOORS PRIOR TO MOVING THE VEHICLE COULD RESULT IN SERIOUS INJURY.

Additional Safety Note(s):

Some optional installation steps require that some fasteners pertaining to safety devices be temporarily removed. By choosing to perform these steps, you are doing so at your own risk and accept full responsibility should these safety devices fail due to your tampering with them. Please consider the full extent of possible repercussions when choosing to remove any safety device such as nets, safety belts and ROPS.

Cab Enclosure Kit Contents

Your DefenderCab™ Kit should contain the parts listed below. Separate all parts from packing materials. Do not discard packing material until assembly is complete. Item quantities are listed in parenthesis below. Note: Items listed below may or may not be included based on selected options or may be already installed.

Panels, Doors and Brackets

- (1) 29101 Left rear panel
- (1) 29102 Right rear panel
- (1) 29103 Front panel
- (1) 29104 Left side panel
- (1) 29105 Left door
- (1) 29106 Right side panel
- (1) 29107 Right door
- (1) 29108 Back panel
- (1) 29109 Roof panel
- (1) 29110 Left foot spacer
- (1) 29111 Right foot spacer
- (1) 29152 Back plate
- (4) 20100 Rear panel hinge plate
- (4) 20101 Door hinge plate and damper bracket
- (4) 20102 Side panel damper bracket
- (2) 20103 Latch bolt bracket
- (1) 20104 Switch box
- (4) 29120 Floor spacer
- (1) 29122 Right rear panel adjustment plate
- (1) 29123 Left rear panel adjustment plate
- (1) 29124 Back panel plate
- (1) 29125 Right floor mat
- (1) 29126 Left floor mat
- (1) 29127 Seat mat

Hardware

- (1) 29121 Hardware bag*
- (4) 11087 Door strap
- (4) 11088 Buckle
- (10ft) 11154 Edge trim 1" bulb
- (16ft) 11124 Edge trim 5/8" bulb
- (1) 10045 Left inside latch c/w bolt
- (1) 10093 Right inside latch c/w bolt
- (2) 10048 Push button outside handles
- (4) 10368 Push pins for door limiter
- (2) 10607 Left lift off hinge
- (2) 10606 Right lift off hinge
- (1) 10106 roll soft gasket
- (1) 29129 front wiper kit

*NOTE: Hardware bag contains spare items. Some items may or may not be used in this application.

Tools Required for Assembly

Ensure that you have the following tools available before you begin the assembly of your Defender Cab™ Kit. *** ***Assembly May require an assistant******

NOTE: Stainless Steel hardware **WILL** gall (seize) without use of anti-seize compound

- Phillips & Flat screwdrivers
- 1/8" and 5/32 Allen Key (provided)
- Metric/Standard wrench and socket sets
- Electric drill
- 5/16" drill bit
- Utility knife
- Utility clamps (Suggested)
- Rubber Mallet (Suggested)
- Anti-Seize Compound or Lubricant
- Side cutters

Kit Installation

1. Vehicle Preparation

i) Remove the two fasteners on the back rail fig.1. These bolts will be used later to fasten the back panel.

***Its Advised to keep all removed fasteners in an empty container and or label them with masking tape**

ii) Remove the 2 bolts on each floorboards fig.2. If rubber mats are included with the tractor they will need to be removed .To do so, the 6 most inside bolts will need to be removed. We suggest removing one at a time and putting it back on before removing the next.

iii) Drop the spacers supplied in the kit where the two bolts go fig.3. Longer bolts are supplied in the hardware bag for once the side panels are put in place.

iv) Rubber mat can be installed under the seat fig.4. You will need to remove the seat belt hardware. Pass the mat over levers on each side of seat and the seat belt brackets.Tuck the mat under the seat rails so seat can still be adjusted. Double sided tape is suggested to keep rubber mat in position along back rail until back panel is put in position.Seat belt hardware can now be re-installed.

Fig.1

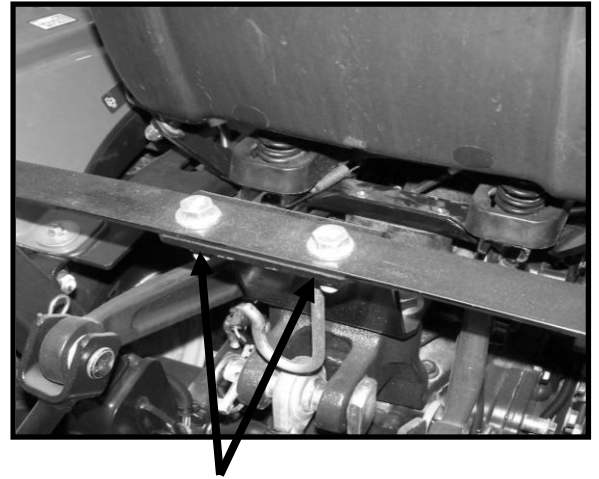


Fig.2

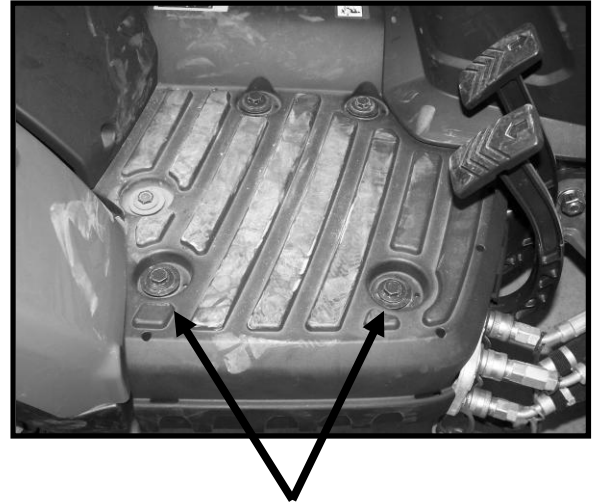
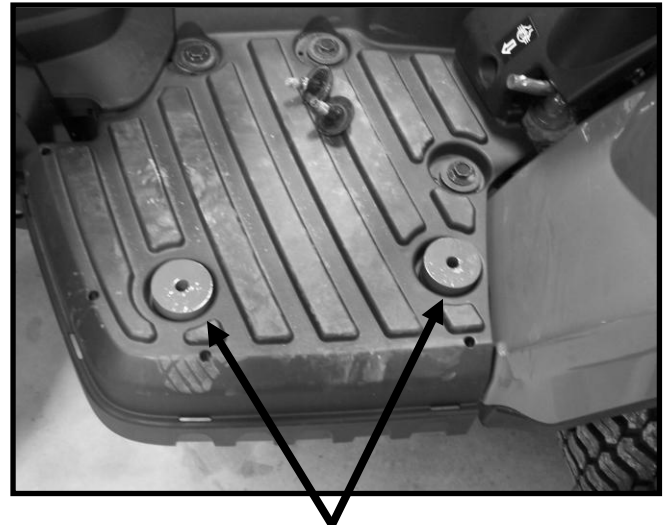


Fig.4



Fig.3



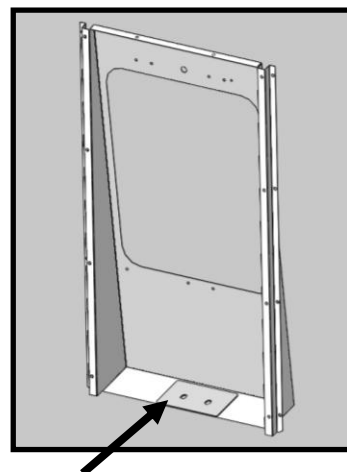
2. Panel Preparation and installation

v) Install Left and right male hinges on rear L/R corner panels fig.5. Use 8x 1/4-20 Flat head screw. Do not lose the washer that comes with the hinge. Corner panel hinge plates are used on the back side instead of nuts. Make sure to install plates with the smooth face against the rear panel. This will allow your door to adjust up and down.

Fig.5



Fig.6



vi) Bolt down back panel to rear rail of tractor. A steel plate is provided for extra strength fig.6. Rubber mat sits between tractor back rail and back panel

vii) Install 5/8" Bulb trim on Left & Right rear panel as seen in fig.7/fig.8. Adjustable plates are added to both rear side panels if cab is installed on 1023-E Model fig.9/fig.10.

Fig.7

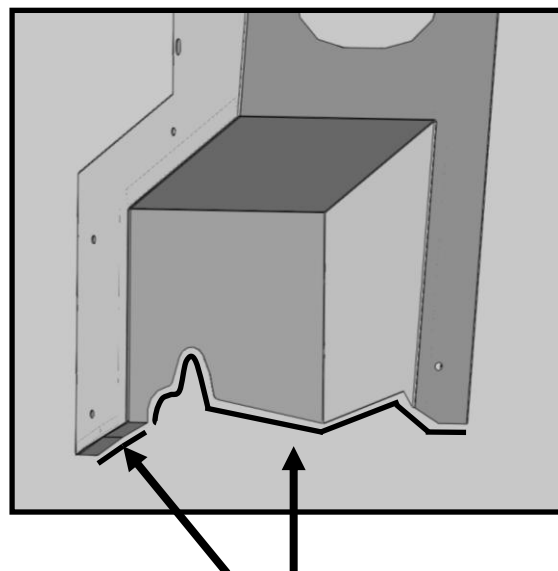


Fig.8

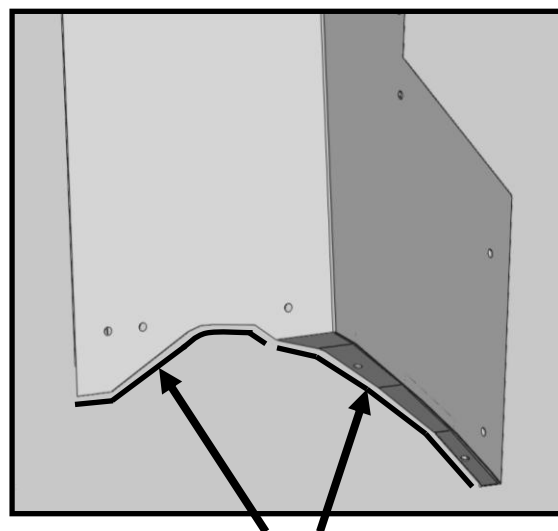


Fig.10

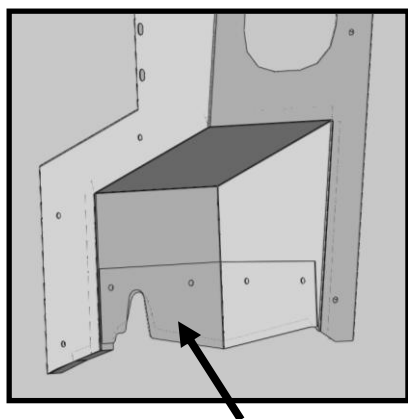
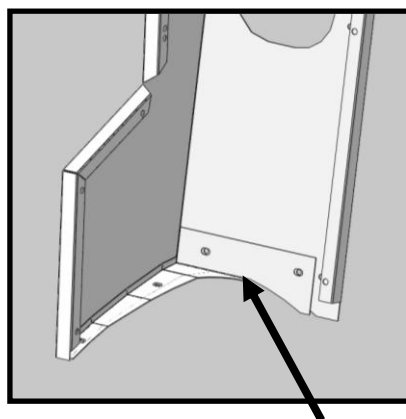


Fig.9



viii) Install Left & Right rear corner panel to the back panel as seen in fig.11. Use fasteners shown in fig.12, 8x 1/2", 1/4-20 SS Button head and serrated flanged nut for fasteners showing on the outside. And 8x 1/2" 1/4-20 SS Button head with 1/4" washers on the inside where insert nuts are located. This assembly method is used throughout the assembly

ix) Install 5/8" Bulb trim along the back edge of side panels fig.13. Install the two side panel's fig.13/fig.14. The back edges of side panels need to be tucked behind the rear corner panel's fig.14 *cross section*.

x) 4x 2", M10 bolts are supplied to fasten the side panels down to floorboard. Floorboards are slotted so the cab can be adjusted back and fort.

Fig.11

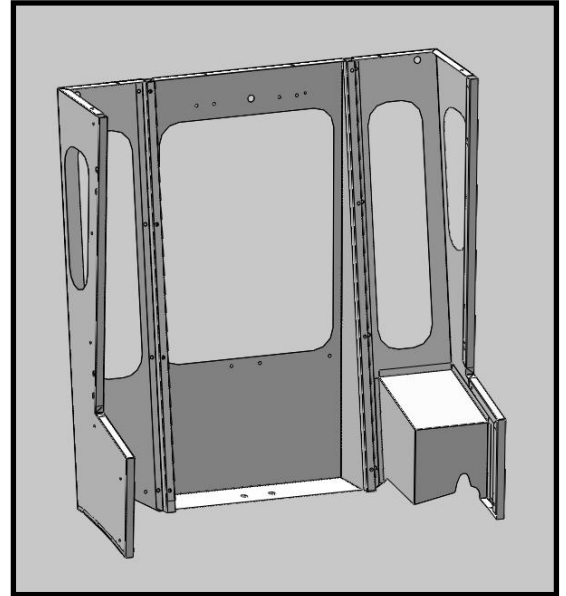


Fig.12

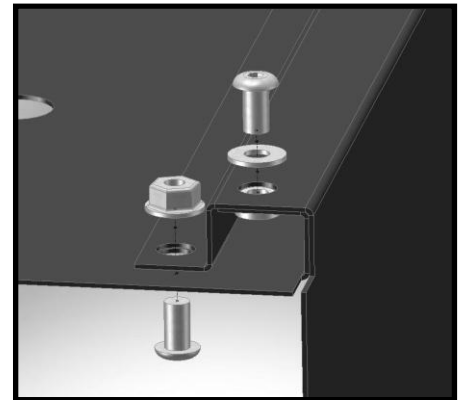


Fig.13

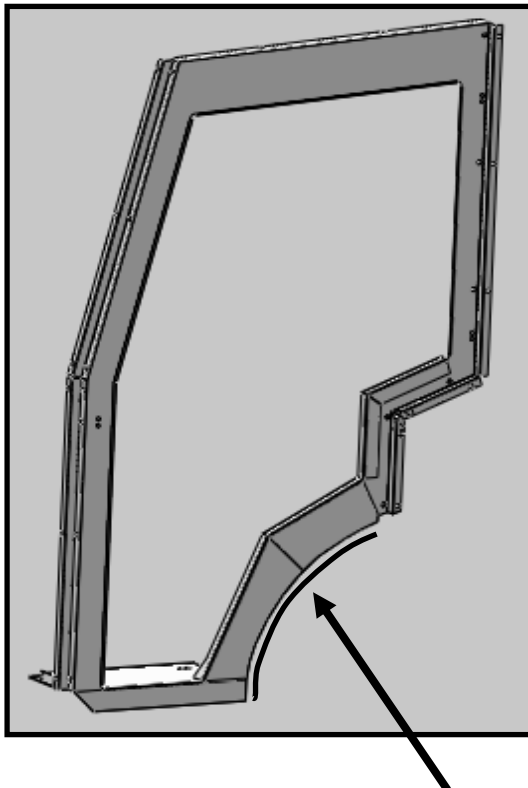
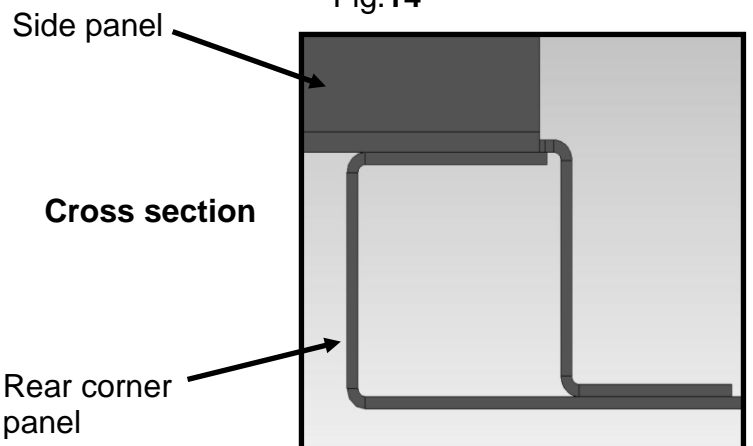
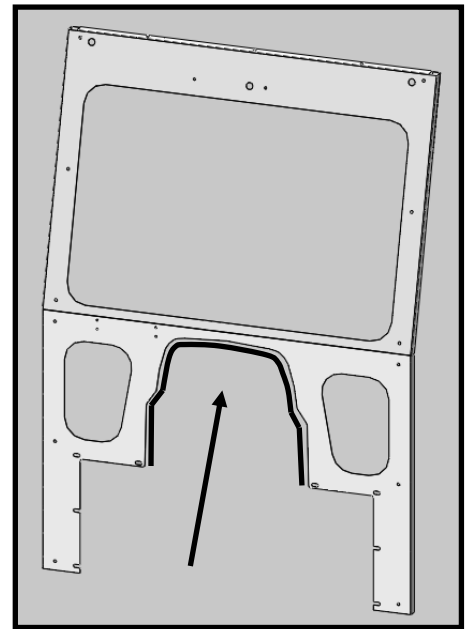


Fig.14



xi) Run 1" bulb molding provided along hood profile edge on the front panel fig.15 and along the two foot spacer box fig.17/fig.18. Drop front panel on tractor and fasten fig.16 *cross section*. Attach Foot spacer boxes with 1/2", 1/4-20 SS Button head, and serrated flanged nut.

Fig.15



Cross section

Fig.16

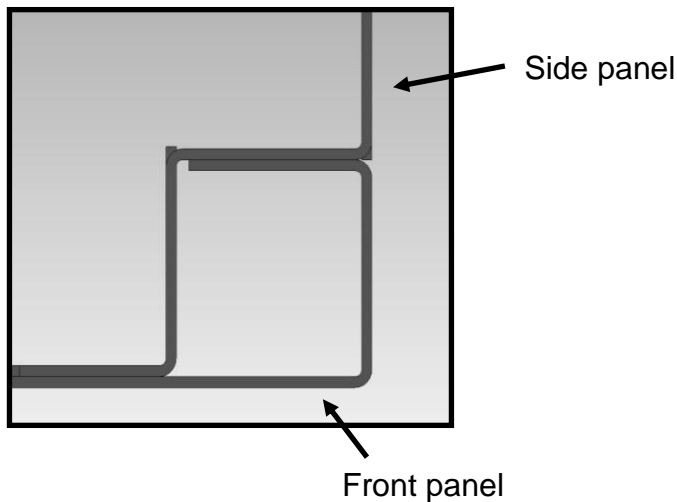


Fig.17

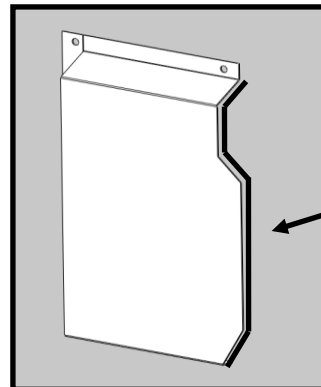
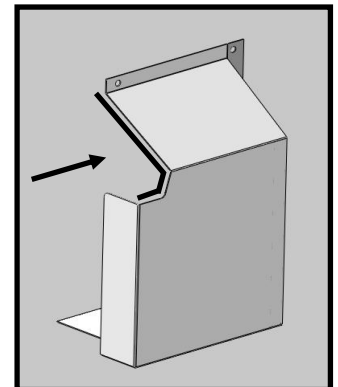


Fig.18



xii) Attach latch bolt bracket and latch bolt on both sides, as seen in fig.19. Leave all fasteners loose to adjust for doors. Side panel damper bracket can also be fastened with 1/2", 1/4-20 SS Button heads, on the inside face of the side panels fig.20. These are to hold the strap that limits how much the door opens. There are two per side.

Fig.19

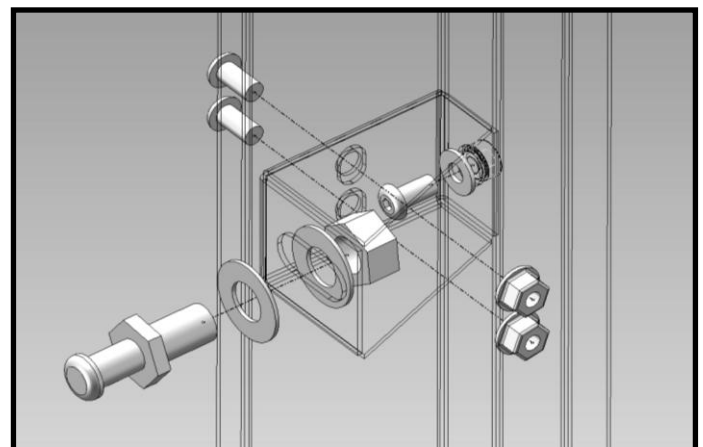
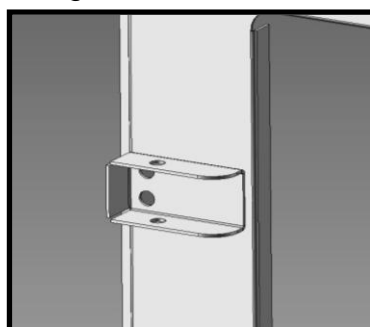


Fig.20



xiii) Door comes with all hardware installed fig 21. Use 2", 1/4-20 bolt, 2 washers and 1/4-20 lock nut on each door damper bracket to hold strap and buckle fig.23. Lock pin are supplied for the side panel damper bracket for quick removal of the doors fig.22

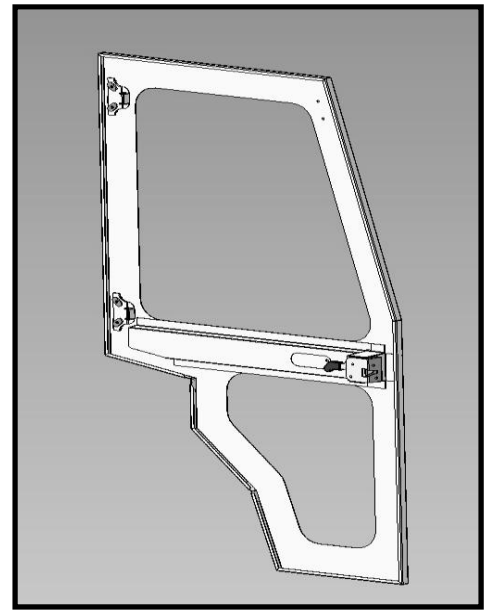
Fig.23



Fig.22

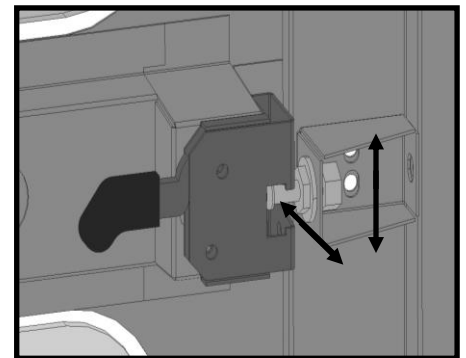


Fig.21



xiv) The doors can now be dropped in place and adjusted .There should be appx. 1/4" gap between door and back. 1/4" spacers can be used to hold the door in position before tightening screws. Back hinge moves up and down and door hinge moves front to back. Latch bolt bracket can be adjusted up or down fig.24 once the door is in position. Latch bolt will need to be adjusted in and out fig.24 so door closes properly with a tight seal. Door might need to be adjusted again to get a proper fit.

Fig.24



xv) If light option is included in kit, install and ground to light bracket with sheet metal screw. Lights with blue male bullet connector need to be installed so light are on the right side of cab. See light diagram. If console option is included in kit, drop on top of cab before dropping the roof fig.25. Use 1", 1/4-20 SS Button head, rubber washer and serrated flanged nut as seen in fig.26 to attach roof. See Console/heater installation manual.

xvi) If console is not added, install 3x 1/2", 1/4-20 SS Button head, rubber washer, reg washers and flanged nut in the 3 middle holes of roof.

Fig.26

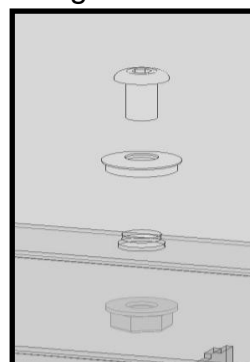
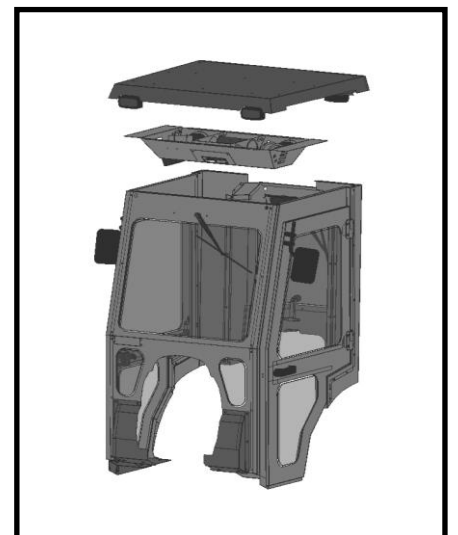
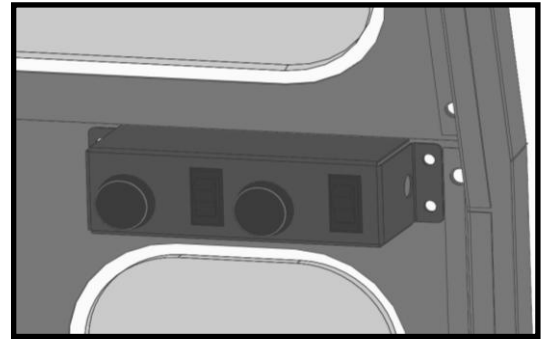


Fig.25



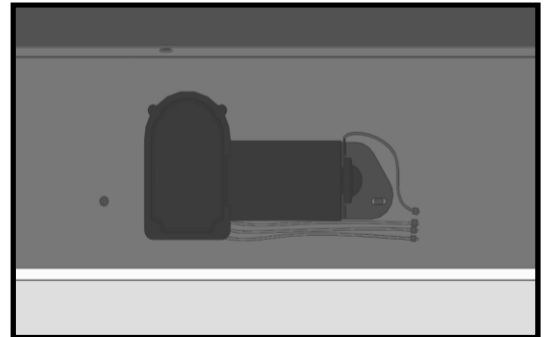
xvii) A switch box for lights and wipers is provided if the roof console is not added to options fig.27. Pop out plastic plugs on the right side wall of front panel and hang using 4x 5/8", 10-32 button head screw with lock nuts and washers. Extension harnesses are provided to lengthen connection to switch box. Front light and wiper switches are located closest to operator.

Fig.27



xviii) Install wiper motor as seen in fig.28. Use 10-32 ss button head with lock nut. The plate for pantograph wiper needs to sit behind rubber washer and steel washer that comes with wiper motor. Another 10-32 SS button head screw will hold the other end of the plate. Never push wiper arm on motor's shaft all the way until it's at the right angle for maximum wipe. Once it pushed all the way in it's extremely hard to take back off

Fig.28



*If opening window option is added. Wiper motor is installed upside down fig.30. Use rubber washers on both sides of glass where 10-32 ss button head screw is used. Ground motor to roof fastener fig.30. Leave enough wire so window opens freely.

Adjustment to wiper sweep angle and "home" position can be made by removing cover and following the manufacturer's instruction printed on box. Run wiring along top incased in wire loom and hang of roof fasteners with plastic clips.

Note: Motors are normally shipped at maximum sweep angle of 110 deg.

Fig.29

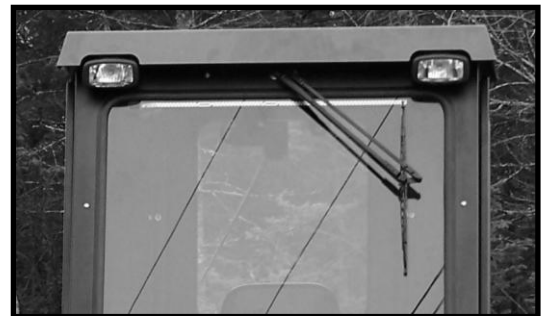
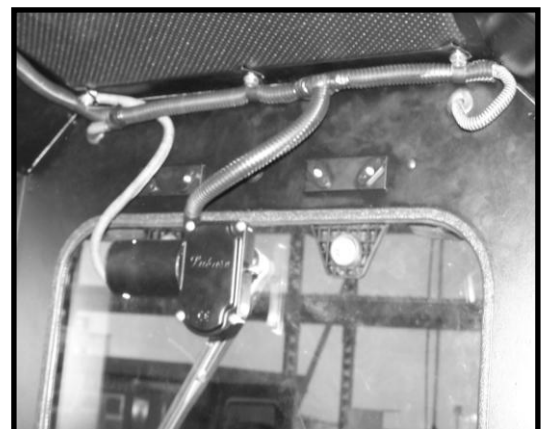


Fig.30



Additional Note(s):

- a) Removal of belts and/or nets is not recommended as this cab enclosure is **not** designed as a roll over protection system. Always wear proper safety gear while riding your Tractor.
- b) To remove doors, simply remove damper bracket pin's and lift doors off
- c) Visit defendercab.com regularly for updates and newly added items to fit your Tractor cab.
- d) Wash enclosure with soapy water as you would any other vehicle.
- e) Hooking up power to ignition is recommended, that way added components won't drain battery when tractor is turned off if accessory is left on. Only Authorised dealers should tamper with tractor's electrical components.

To order replacement parts, contact the Parts Department at:

LB Manufacturing Inc.
247 Arsenault Road,
Dieppe, N.B Canada
E1A 7J5
Ph: (506) 388-9334 Fax (506) 388-3325
www.defendercab.com
parts@defendercab.com

Manual Revision: 1.0

Date: 26 October, 2012

L.B. Manufacturing Inc - Bill of Material

29121-01

2012 Tractor cabs

AUG 27
2012

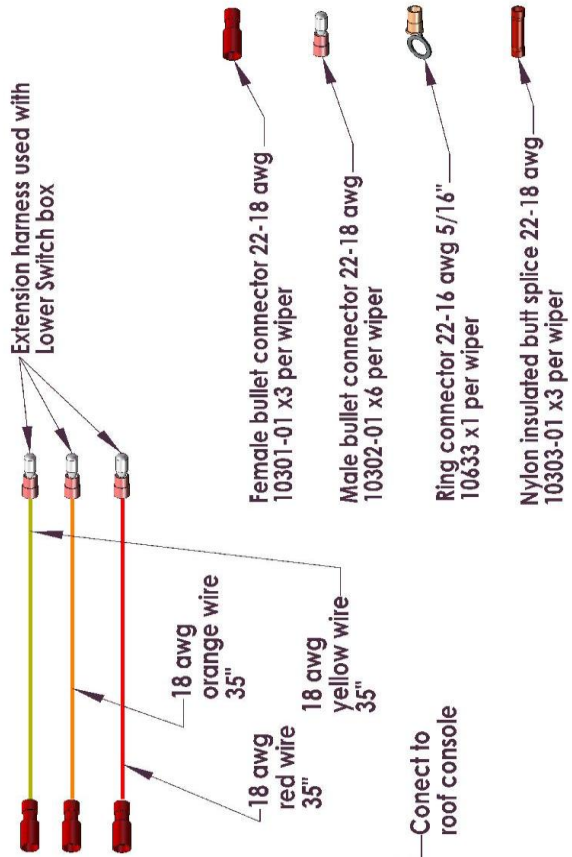
For model John deere 1026-R /1023-E

LBM#	Description	Usage Qty	UM
11004	1/4-20unc 1/2" lg button head socket cap SS	100	Ea.
11007	1/4-20 Flanged lock nut	80	Ea.
11006	Washer .26"ID .55"OD SS	60	Ea.
11076	1/4-20unc 3/4" lg button head socket cap, SS	12	Ea.
11009	1/4-20 5/8" Self centering flat head	20	Ea.
11020	Bond seal galvanized washer #14x5/8 small i.d	20	Ea.
11001	1/4-20 U-type nut	4	Ea.
11147	1/4-20 2" long 1 1/8" non treaded	5	Ea.
10022	1/4`-20 Nylon Lock Nut	5	Ea.
10669	#10-32 Nyloc Nut, Stainless 18-8	5	Ea.
10697	#10-32 x 5/8" Lg. Button hd, allen Screw stainless	5	Ea.
11075	#10 flat washer 18-8	5	Ea.
11014	1/4-20unc 1" lg button head socket cap SS	20	Ea.
11155	M10 1.5 x 2", Flanged bolt yellow zinc	4	Ea.
11086	1/2" i.d Yellow Zinc Finish thru hardened flat washer	4	Ea.
11156	5/32" short arm hex key	1	Ea.
11157	1/8" short arm hex key	1	Ea.

NOT A SCALE

mm 30 20 10 0

inch 1 2 3 4 5 6 7 8 9 10 11 12



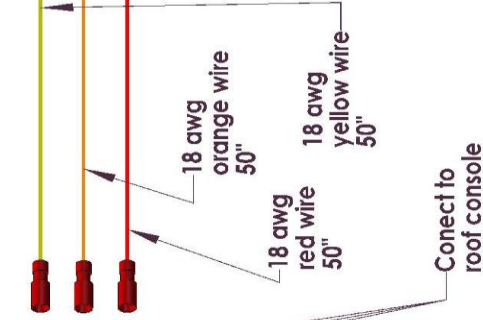
JD 1026-R cab Front
Wiper harness
lbm# 29134-01

Extension harness used with
Lower Switch box

LBM # 29134-01
LBM # 29135-01

Notes:

- Wires with connector should be kept in kits but not taped together
- Wire lengths are appx. +/- 1/4"
- Make sure to properly ground to cab .Remove a bit of powder coat to get metal to metal contact



JD 1026-R cab Back
Wiper harness
lbm# 29135-01

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E-mail: info@lbdefender.com

LB Manufacturing
DEFENDER

TOLERANCE
UNLESS
OTHERWISE
NOTED
FRACTIONAL: ± 1/32" ANGULAR: ±1°
DECIMAL:
X.X ±0.020" (X ±0.5mm)
X.XX ±0.010" (X.X ±0.25mm)
X.XXX ±0.005" (X.XX ±0.13mm)

CUSTOMER: LBM
UNITS: INCHES

RELEASED FOR FABRICATION

DESCRIPTION

PROJECT: JD 1026-R/1023-E wiper harness

CUSTOMER PN: L Chaisson

CREATED DATE: 23/04/2012

DESIGNED BY: ...

SHEET NO.


1 OF 1

SCALE: NTS



- Wires with connector should be kept in kits but not taped together
- Wire lengths are appx. +/- 1/4"
- Diagram shows harness when roof is on the tractor

JD 1026-R cab Back
ext.light harness
LBM#29137-01

<div>LB Manufacturing</div> <div></div>	<div>This document may not be used, reproduced or copied without written consent of LB Manufacturing.</div> <div>247 A senauit, Despie NB. E/A 7.5</div> <div>Tel: 506 388-5702 Fax: 388-3325</div> <div>E-mail: info@defenders.com</div>	1	22/10/2012	RELEASED FOR FABRICATION	SHEET NO.	
					REV	DATE <small>SHEET</small>
TOLERANCE	FRACTIONAL ± 1/32"	ANGULAR: ±1°	LBM	CUSTOMER	CUSTOMER PIN:	DRAWN BY: L Chablon
DECIMAL:	X.X +0.020"	(X ±0.5mm)			CREATED DATE: 23/04/2012	CHECKED BY:
THOUSANDS:	X.XX +0.010"	(X.X ±0.25mm)				
OTHERWISE	X.XXX +0.005"	(X.XX ±0.13 mm)				
NOTED						
						SCALE: NTS

