

John Deere 1 Family Advantage Cab w/ Heater (p/n: 1JD1FCA3) (steel doors) Plus Cab w/ Heater (p/n: 1JD1FPC) (vinyl hinged doors) Base Cab (p/n: 1JD1FEN) (vinyl curtain doors) fits tractor models: 1023E & 1025R

While this cab kit was designed to fit on the vehicles listed above, manufacturing tolerances and vehicle assembly may affect cab fitment. It is the responsibility of the cab installer to check all vehicle pedals and levers for full functionality and, as required, adjust the cab fitment to prevent any interference of the cab components with the travel of pedals or levers.



Available Options:

- 1. Front LED Work Lights (P/N: 9LEDW4)
- 2. Rear LED Work Lights (P/N: 9LEDW3)
- 3. Strobe Light (P/N: 9LEDS2)
- 4. Dome Light (P/N: 9LEDD14)
- 5. Side View Mirrors (P/N: 9PM5)
- 6. Rear View Mirror (P/N: 9PM3)
- 7. Rear Wiper (P/N: 9PWK8512F9-11A)
- 8. Seal Kit (P/N: 9SK1)

#### Approximate Installation Time \*

Experienced Dealer Technician - 5 Hours

Average Dealer Technician – 6 Hours

Do-It-Yourself - 7 Hours

(\*=Not including accessories)

#### Approximate Product Specifications

Floorboard to Roof Height: 62-1/2 inches

Weight: 334 lbs. (Advantage Cab)

Cab Width: 49.56 inches

The contents of this envelope are the property of the owner. Leave with the owner when installation is complete.

Rev. H, 04/06/2022

# TABLE OF CONTENTS

WARNINGS, TIPS, & REQUIRED TOOLS	
CAB INSTALLATIÓN	
CAB FEATURES & OPERATION	
CARE AND MAINTENANCE	
SERVICE PARTS	
OPTIONAL ACCESSORIES	

# WARNINGS, TIPS, & REQUIRED TOOLS

Curtis cabs feature an assembly of parts designed for your vehicle which require adjustment and alignment of components to accommodate vehicle variations and provide proper weather protection. For accurate installation, proper operation, and years of satisfaction, please read and understand the installation and owner's manual fully prior to installing the cab.

From all of us at Curtis, we thank you for choosing our product.

	<b>A</b> WARNING					
Curtis Cabs, blades and general accessories add additional weight to the base vehicle. All Curtis accessory weights are listed in product	Ser	ious Injury or Death				
brochures. Deduct the accessory's total weight from the vehicle's rated capacity and never exceed the vehicle's rated capacity including driver and passenger.		This cab enclosure does not provide protection from rollover or other accidents.				
<b>WARNING</b> Exposure to Carbon Monoxide can Cause illness, serious injury or death. Never operate vehicle if suspicious of Carbon Monox- ide. Inspect exhaust system for leaks monthly. Leaks can	Ż	This cab enclosure does not provide protection from flying objects including golf balls.				
Ide. Inspect exhaust system for reaks monthly. Leaks can result from loose connections, corrosion, cracks or other damage to the exhaust manifold. If leaks are found, repair or replace exhaust system. Do not use vehicle until repair or replacement is complete.	5	This cab enclosure does not provide protection from lightning. When lightning threatens take cover and do not operate vehicle.				

**California Health and Safety Proposition 65 Warning:** This product may contain chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.

# **GENERAL INFORMATION BEFORE YOU START**

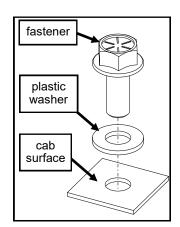
## **HELPFUL HINTS:**

- •Refer to parts diagram found in the service parts section of this manual to help identify parts during the assembly process.
- •To assist with the cab installation, leave all fasteners loose for later adjustment unless otherwise specified.
- •Read and understand all instructions before beginning.
- •Apply a silicone sealant to seal any minor gaps that may occur due to vehicle variations.
- •Use caution to avoid damaging the factory installed threaded inserts or weld nuts. Begin the thread engagement by hand to avoid or correct potential cross threading.
- •Make sure the areas where the supplied self-adhesive hook Velcro will be applied are clean and dry and at room temperature for best adhesion.
- •Before installing parts with factory installed rubber, make sure the rubber is fully installed onto the parts for proper fit and sealing.
- •Plastic washers have been supplied to provide a weather seal under the heads of some exterior bolts. The plastic washer should be installed under each bolt head directly against the outside cab surface. Care should be taken not to over tighten the fasteners and damage the plastic washer.

## **TOOLS REQUIRED:**

- •Set of Standard and Metric Sockets (3/8" Drive)
- 3/8" Drive Ratchet
- •Set of Standard and Metric Open-End Wrenches
- •Set of Metric Allen Wrenches
- •#2 and #3 Phillips Head Screwdrivers

- Drill/Driver
- •#2 and #3 Phillips Head Bit
- Utility Knife
- •Pair of Scissors
- Shears
- Grease
- •Silicone Sealant
- •Teflon Tape
- •Tape Measure



## **STEP 1: (VEHICLE PREP)**

- **1.1** Open the tractor hood and disconnect the battery, negative then positive.
- **1.2** If equipped, unplug, remove, and save the two fender lights. See figure 1.2. These will be relocated to the back of the cab in later steps.
- **1.3** Remove (2) M10 bolts and washers from the left and then the right floor board. See Figure 1.3.
- **1.4** Remove the lower pin from both sides of the ROPS center bracket and rotate the upper ROPS down toward the rear of the tractor. See Figure 1.4.
- **1.5** Remove the zip tie on the rear light wires at the bottom of the ROPS at the back of the tractor. Unbolt the rear lights and carefully pull at least 12" of wire through the hole in the ROPS, trying not to damage the wire insulation. See the tip/suggestion below. See figure 1.5. Leave lights hanging beside ROPS.
- TIP: If it is difficult or impossible to get 12" of wire pulled out, you may need to temporarily remove the bolt between the rear fender and the ROPS and then reinstall once you have enough wire. Sometimes the wires run on both sides of the bolt and once you pull enough wire through the wire loom won't allow any more. Reinstall and torque the bolt to factory specs once there is enough wire.
- NOTE: For tractors that are not equipped with a backhoe, there is a bracket used to hold the SMV (Slow Moving Vehicle) sign, on the inside left of the ROPS, opposite the rear light.

This SMV bracket must be retained and will be relocated at a later step.

For tractors equipped with a backhoe, the SMV bracket is bolted to the left grab handle on the ROPS and does not need to be relocated.



Fig. 1.2 (Remove Fender Lights)

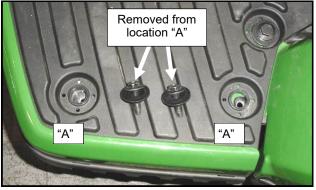


Fig. 1.3 (Remove Floorboard Hardware)

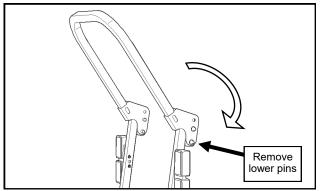
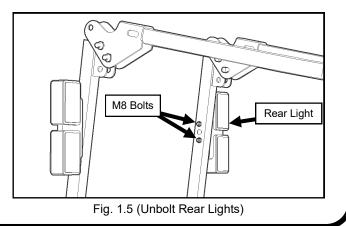


Fig. 1.4 (Fold ROPS)



#### **STEP 2: (ROPS BRACKETS)**

**2.1** See fig. 2.1. Install a ROPS Bracket onto the outside of the ROPS through the holes for the rear lights, with the bolts on the inside of the ROPS. Leave loose.

Allow the rear light to hang with the wires through the slot at the rear of the ROPS bracket.

 Hardware Used
 Qty

 5/16-18 X 3 Hex Head Screw
 2

 5/16-18 Hex Nut
 2

#### Tools required

1/2" wrench and socket

- 2.2 Repeat step 2.1 for the opposite side ROPS.
- 2.3 NON-BACKHOE TRACTORS: Install the cab SMV bracket on the outside of the ROPS bracket on the left side of the cab, under the nuts. Install the tractor SMV bracket removed in step 1 to the cab bracket with new hardware provided. See fig. 2.3.

Hardware Used	Qty
5/16-18 X 3/4 Hex Head Screw	2
5/16-18 Hex Nut	2

#### **STEP 3: (A-PILLARS)**

**3.1** Set the left A-pillar onto the floor mat and loosely bolt it down with one bolt through the front slot only. See figure 3.1. Tighten the bolt snug to stabilize the A-Pillar; the bolts will be fully tightened at a later step once the rest of the cab has been assembled.

<u>Qty</u>

Hardware Used	
M10x1.5 X 70 Hex Head Screw	
M10x1.5 Hex Nut	

#### Tools required

16mm wrench and socket

3.2 Repeat step 3.1 with the right A-pillar.

## **STEP 4: (REAR LEG PRE-ASSEMBLY)**

**4.1** Away from the tractor, assemble the left Contour Assembly and left Rear Light Mount onto the left Rear Leg Assembly. See Figure 4.1. Install all bolts on the inside of the panel with nuts outside and centered in the slots.

Hardware Used	Qty
5/16-18 X 3/4 Hex Head Screw	6
5/16-18 Hex Nut	6

#### Tools required

1/2" wrench and socket

**4.2** Repeat step 4.1 with the right-side Contour Assembly, Rear Light Mount and Rear Panel.

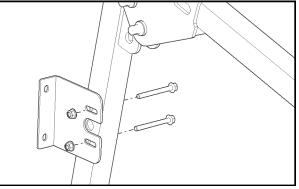


Fig. 2.1 (Assemble Brackets to ROPS)

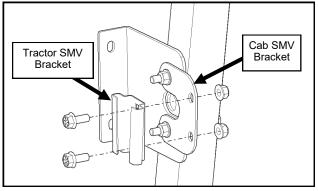


Fig. 2.3 (SMV Brackets)

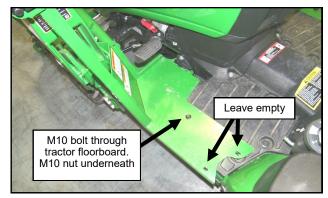


Fig. 3.1 (Place A-Pillar on Tractor)

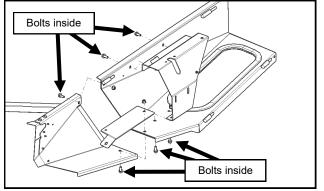


Fig. 4.1 (Assemble Contour to Rear Leg)

#### STEP 5: (FENDER LIGHT WIRES, IF VEHICLE IS EQUIPPED WITH LIGHTS )

- 5.1 Locate a fender light wiring harness (WH-00071). Connect a harness to the fender light plug. Pull out as much of the fender light plug wire as possible, and run the harness back along the grab handle on the fender and secure it to the handle with wire ties. See figure 5.1.
- 5.2 Repeat step 5.1 for the opposite side.

#### **STEP 6: (REAR LEG ASSEMBLIES)**

- **6.1** With assistance, place the left rear leg and contour assembly on top of the tractor's left rear fender. Push the rubber seal at the bottom of the rear leg assembly toward the rear of the tractor and make sure it fits over the handle smoothly. Route the fender light wire harness under the rear leg, through the slot in the rubber.
- **6.2** Remove bolt in lower ROPS attaching rear cross bar. Keep this bolt to reinstall.
- **6.3** Secure the assembly to the floorboard with one M10 bolt through the A-pillar floorboard and into the tractor floorboard, and one 5/16" bolt.
- **6.4** Secure the assembly to the ROPS bracket with two 5/16" bolts, with bolt heads toward the rear of the tractor.

Hardware Used	Qty
M10x1.5 X 70 Hex Head Screw	1
M10x1.5 Hex Nut	1
5/16-18 X 3/4 Hex Head Screw	3
5/16-18 Hex Nut	3

- **6.5** Reinstall bolt removed in step 6.2 though ROPS, cross bar and bracket attached to rear leg.
- **6.6** Repeat steps 6.1 to 6.5 for the right side rear leg assembly.



Fig. 6.3 (Rear Leg to Floorboard)



Fig. 5.1 (Plug In Fender Light Harness)



Fig. 6.1 (Wire Underneath Rear Leg)

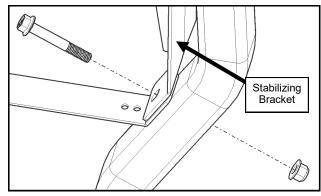


Fig. 6.2 (ROPS Bolt to Stabilizing Bracket)

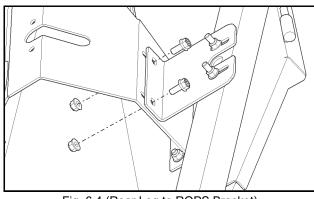


Fig. 6.4 (Rear Leg to ROPS Bracket)

#### **STEP 7: (ENGINE PRE-WIRING)**

- NOTE: Wiring and plumbing is intended to be installed to the engine at this time, as engine side shrouds are easier to remove and install before the cowl is in place.
- 7.1 Remove the side shrouds from both sides of the engine by pulling the pin at the front, then sliding the panel to the rear to free up the tabs.
- **7.2** Locate the power harness (WH-00072). Per Figure 7.2., find the end consisting of only a bullet and ring terminal, and feed that end through the hole in the front corner of the right-side cab floorboard. Align the switch connector to the cowl bracket in the middle of the A-Pillar to ensure enough of the harness remains in the cab (ref. Figures 9.1 on page 9 and 18.3 on page 13).
- **7.3** Run the rest of the power harness through the engine bay behind the engine and down the left side of the engine up to the alternator. Be mindful and avoid pinch points and hot surfaces.
- **7.4** Unbolt the lower bolt on the starter and re-secure with the ground terminal on. See Figure 7.4.
- **7.5** Locate the fuse harness (WH-GF). Make certain the fuse is installed in the fuse holder, unbolt the main power cable attached to the alternator and re-secure with the ring terminal on the fuse harness. See Figure 7.5
- **7.6** Route the power harness inside the bracket behind the alternator and connect the bullet terminals of the power harness and the fuse wiring harness. Loop the slack in the power harness behind the alternator and secure with a wire tie. See Figure 7.6. Double check that the wires are not pinched or near sharp or hot surfaces.

Leave the opposite end of the cab power harness disconnected until after the cowl is installed.

- NOTE: At the installer's discretion, wiring for accessories may also be installed into the engine compartment at this time.
- 7.7 Secure wires (with wire ties provided) away from any hot or moving engine components where it could melt or be pinched.

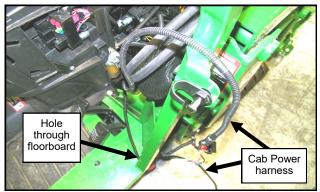


Fig. 7.2 (Feed Wire Through Floorboard)

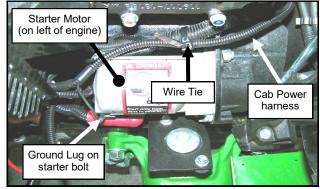


Fig. 7.4 (Connect to Ground Terminal)

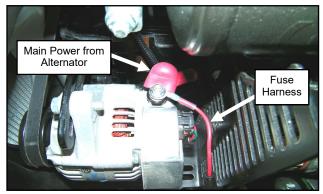


Fig. 7.5 (Connect Fuse Harness to Alternator)

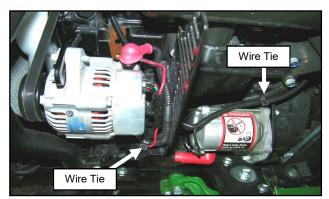


Fig. 7.6 (Secure Wire Harness)

#### **STEP 8: (HEATER PLUMBING)**

Heater optional for cabs with vinyl curtain doors. Proceed to step 9 on next page if not installing a heater.

- CAUTION: Only work on a cool engine! To avoid injury caused by hot engine coolant, make sure the engine is completely cooled down before beginning installation of auxiliary heater.
- **8.1** Drain the coolant into a clean container so that it may be reused.
- **8.2** See Figure 8.2. For the supply line for the heater, remove the plug and sealing washer from the left side of the thermostat housing. Install the plug and sealing washer in the end of the sending unit adaptor. Install a small nylon washer onto the other end of the sending unit adaptor and install the hex bushing. Install the assembly into the engine block where the plug and sealing washer were removed. If the sending unit adaptor does not tighten so that the port on the side for the 3/8" NPT nipple orients as shown, then remove it and install another nylon washer and try again. Install the 3/8" NPT nipple into the side port of the adaptor, using Teflon tape (not provided).
- **8.3** For the return line from the heater, cut the lower radiator hose in the location shown. See Figure 8.3. Install the enclosed T-fitting with large hose clamps provided. NOTE: for best results, attach the upper side first.
- **8.4** Cut the supplied heater hose approximately in half. Connect the hoses to the fittings installed in steps 8.2 and 8.3 with small hose clamps. Route the supply hose across the top of the engine and behind the large bracket on the right side, and secure the hose to the bracket with a large wire tie provided. See Figure 8.4b.

<u>Tractor Model 1023E:</u> Route the return hose to the right of the air filter, above the large engine bracket, and secure the hose to the bracket with a wire tie. See Figure 8.4a.

<u>Tractor Model 1025R:</u> Route the return hose up around the air filter, under the air intake tube, behind the bracket for the intake and down the right side of the engine. Secure to the rod that runs along the top of the engine with a wire tie. See Figure 8.4b.



Fig. 8.2 (Remove Plug from Engine)

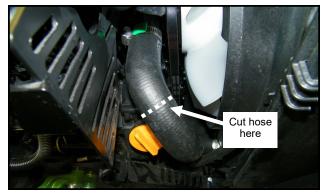


Fig. 8.3 (Cut Lower Radiator Hose)

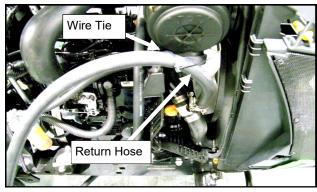


Fig. 8.4a (Supply Hose, 1023E)

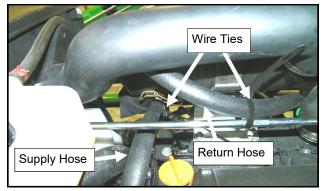


Fig. 8.4b (Route Hoses, 1025R)

#### **STEP 8: (HEATER PLUMBING)**

- **8.5** Per figure 8.5, run the hoses down the right side and toward the rear of the engine. Check hose routing making sure it is not kinked or rubbing against any sharp edges. Also make sure the hoses will not interfere with installing the engine side covers. Secure hoses as necessary with large wire ties provided.
- **8.6** Splice into the heater supply line and install the in-line shut-off valve per figure 8.6.
- **NOTE:** The in-line shut-off valve quickly converts the heater into a summer time blower by preventing hot water from flowing to the heater core.
- **8.7** Make sure no wires or hoses are pinched or interfere with any moving parts, pedals on the tractor, or contact hot engine components. Secure with wire ties provided. Install the side shrouds back onto the tractor.

## STEP 9: (COWL)

**9.1** With assistance, slide the cowl over the top of the hood and engine side covers using <u>CAUTION</u> not to scratch the plastic components. *TIP: Hold a finger over the edge of the sealing rubber at the bottom corners of the cowl so it does not slide off and leave the metal edge of the cowl exposed to contact the side engine covers. It is also helpful to tip the bottom as far back as possible until it reaches the pedals and brackets at the bottom of the A-pillars. Keep the power wire and heater hoses on the right side away from the A-pillar/cowl seam. For best water sealing, make sure the rubber seal folds forward (towards the front of the vehicle) for the entire length of the bulb rubber. Secure the cowl to the A-pillars with hardware listed below. See Figure 9.1.* 

<u>Qty</u> 12

Hardware Used	
5/16-18 x 3/4" Hex Head Screw	
5/16-18 Hex Nut	

#### Tools Required

1/2" Wrenches and/or Sockets

## **STEP 10: (WINDSHIELD SUPPORT)**

**10.1** Install the Windshield Support to the A-Pillars. See figure 10.1.

Hardware UsedQty5/16-18 x 3/4" Hex Head Screw2

#### Tools required

1/2" Wrenches and/or Sockets



Fig. 8.5 (Route Hoses)



Fig. 8.6 (Shut-off Valve)

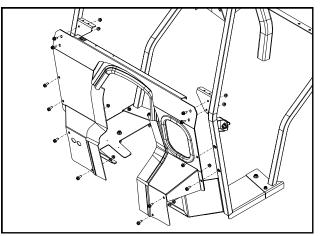
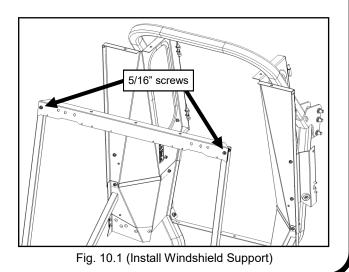


Fig. 9.1 (Install Cowl)



#### **STEP 11: (DOOR HEADERS)**

**11.1** Install the left Door Header to the A-pillar and rear leg. See Figure 11.1.

Hardware Used 5/16-18 x 3/4" Hex Head Screw 5/16-18 Hex Nut



2

1

Qty

4

л

**Tools Required** 1/2" Wrenches and/or Sockets

- 11.2 Repeat step 11.1 with the right door header. See Figure 11.2.
- 11.3 Make sure the Windshield Support and Door Headers line up well and have the smallest possible gaps between them, then tighten the four (4) screws going into the A-pillars to 20 ft.-lbs. Leave the rest of the hardware loose at this point.

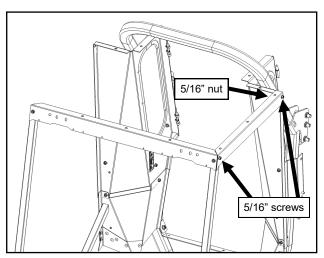


Fig. 11.1 (Install Left Door Header)

## **STEP 12: (WINDSHIELD)**

12.1 With assistance, set the windshield up to the A-pillars and secure it to the roof using the hinge spacers and hardware. See Fig. 12.1. Leave hardware loose.

Hardware Used	Qty
5/16-18 x 1.5" Flat Head Screw	4
5/16-18 Hex Nut	4

#### Tools required

#3 Phillips screw driver 1/2" wrench or socket.

12.2 Secure the windshield latches to the A-pillars with the latches open, and tighten latch hardware. Heads of bolts to be up top and nuts down bottom.

Hardware Used 1/4-20 x 5/8" Hex Head Screw 1/4-20 Hex Nut

#### **Tools required** 3/8" wrench/socket 7/16" wrench/socket

- **12.3** Close the windshield while lifting up on the bottom edge. Tighten hinge hardware. Caution: The windshield hinges are plastic components. Do not overtighten the flat head screws. Torque to 7 ft.-lbs. max.
- 12.4 Ensure the windshield latches function properly and the windshield pivots open.
- 12.5 Remove the over tightening caution decal from the top of the windshield.

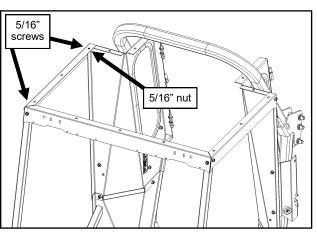


Fig. 11.2 (Install Right Door Header)

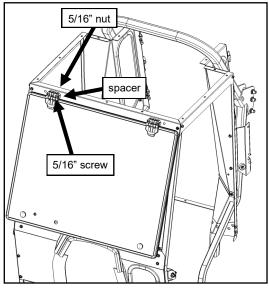


Fig. 12.1 (Install Windshield)

## STEP 13: (ROOF)

- **13.1** Prep the roof for installation by piercing the headliner below the top mounting slots. Use a screwdriver to poke holes through the headliner from the headliner side up through the hole in the roof to avoid having the headliner pull away from its glued surface.
- **13.2** With assistance, set the roof on top of the Door Headers, Windshield Support, and Rear Legs. See Figure 13.2. Loosely secure with sealing washers on the thirteen (13) screws through the top of the roof, and <u>no</u> sealing washers on the two (2) screws through the back of the Rear Legs.

(for cabs with steel doors only): Leave the center hole at each side open for the gas shock mount to be installed next.

> <u>Qty</u> 15

13

15

#### Hardware Used 5/16-18 x 3/4" Hex Head Screw 5/16" Sealing Washer 5/16-18 Hex Nut

**Tools required** 

1/2" Wrenches and/or Sockets

## **STEP 14: (GAS SHOCK MOUNTS)**

- (for steel doors only) (for vinyl hinged or vinyl curtain doors, skip this step)
- **14.1** Install a gas shock mount under and against the side header, through the rear hole in the mount and thru the hole left open in the previous step, using the hardware not used in that step. See Figure 14.1
- **14.2** Repeat step 14.1 for the opposite side, also through the rear hole in the bracket.

## **STEP 15: (REAR WINDOW)**

- Glass Rear Window (for cabs with steel doors only) (for cabs with vinyl hinged or vinyl curtain doors, proceed to step 15.4)
- **15.1** Grease the hinge pins for the rear window, and slide on greased brass washers.
- **15.2** Hang the rear window on the hinges. See Figure 15.2.
- **15.3** Connect the window latches to the right rear leg by depressing the tabs on the latch and inserting into the receivers mounted on the rear leg. Close the window. Check alignment of the window, if off, check measurements and re-align the rear legs. Tighten the hinge hardware to 7 ft-Lbs. Verify smooth operation of the latches.

#### Vinyl Upper Rear Curtain (for cabs with vinyl hinged or vinyl curtain doors) (for cabs with steel doors, proceed to step 16.1 on the next page)

- **15.4** Pre-install the supplied Velcro hook to the sewn-in Velcro loop on the upper three sides of the upper rear curtain. Leave the release tape on until the filler is in place. See fig. 15.4.
- **15.5** Align the top of the curtain to the top inside rear corner of the roof, and the sides to the inside corners of the rear legs. Remove the release tape a little at a time and stick the filler down as you work your way around.
- NOTE: The vinyl will stretch around the flanges and latch mounts inside the rear of the cab. Make sure the Velcro is attached firmly to the inside surfaces of the cab.

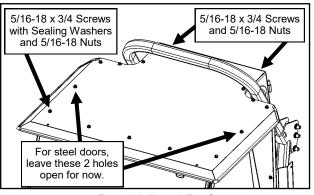


Fig. 13.2 (Install Roof)

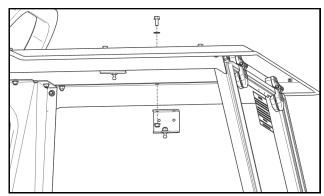


Fig. 14.1 (Gas Shock Mounts, for steel doors only)

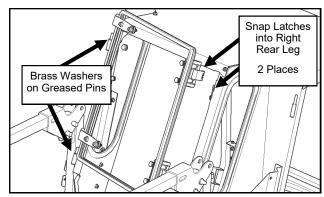


Fig. 15.2 (Rear Window, with steel doors only)

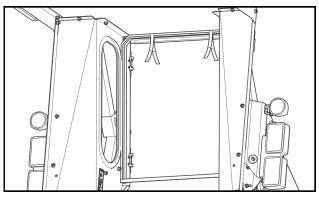


Fig. 15.4 (Upper Rear Curtain, w/ vinyl doors only)

#### **STEP 16: (CAB ALIGNMENT)**

- **16.1** Adjust the bottom of the rear legs side to side to get the outer surfaces approximately lined up with the sides of the black plastic housings (if equipped) on top of the rear fender. See figure 16.1. The outer flanges of the legs should be about 40-1/2" apart, outside to outside.
- **16.2** See fig. 16.2. Measure the distance between the inside of the rear flanges of the rear legs. Adjust the rear legs to get as close to 22-1/16" as possible at *both* the top and bottom of the flanges. Tighten the hardware between the rear light mounts and the ROPS brackets that were installed in step 6.3.
- **16.3** Measure the distance from the striker bracket to the front edge of the rear legs as shown in figure 16.3. Adjust the A-pillars, rear legs, and ROPS brackets to get as close to 33-1/16" as possible. Tighten the hardware securing the ROPS brackets to the ROPS that were installed in step 2.1.

### **STEP 17: (TIGHTEN HARDWARE)**

- 17.1 Tighten all hardware at this time. For 5/16" bolts, use the torque values given below. Verify alignment measurements after the cab is tight.
- For 5/16" x 3" long bolts (qty.: 4 on the ROPS Bracket) that pass thru tubing, use only 10 foot-pounds. Ref.: fig. 2.1 on page 5.
- For 5/16" bolts (qty.: 4 on the Cowl) that thread into factory installed threaded inserts in the A-Pillars, use 20 foot-pounds. Ref.: fig. 9.1 on page 9. Typical for the 4 Roof bolts that also thread into factory installed threaded inserts. Ref.: fig. 13.2 on page 11.
- For 5/16" bolts (qty.: 13 on the Roof) that use plastic washers, use only 12.5 foot-pounds. Ref.: fig. 13.2 on page 11.
- For the remaining 5/16" bolts (the vast majority on the cab) that thread into hex nuts, use 28 foot-pounds.
- For all other bolt sizes (M10, 1/4", etc.), no specific torque values are required. Tighten to a reasonable feel.

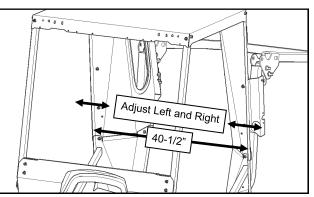


Fig. 16.1 (Measure Rear Legs Left and Right)

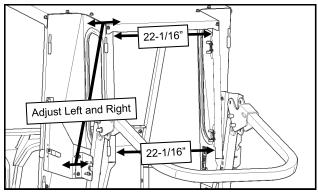


Fig. 16.2 (Measure Rear Flanges Left to Right)

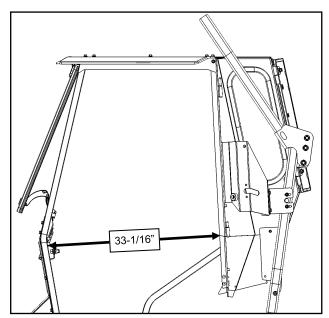


Fig. 16.3 (Measure A-Pillars to Rear Legs)

#### STEP 18: (OEM SIDE LIGHTS, IF EQUIPPED)

**18.1** Per fig. 18.1, mount the left rear light to the light mount bracket. Ensure the light is right side up with amber at the top and the brake light facing backward, as the light can easily be flipped by accident. Tighten hardware.

<u>Qty</u>

2

<u>Qty</u>

2 2

1

<u>Qty</u>

Hardware Used

M8x1.25 X 16mm Hex Head Screw

<u>Tools required</u> 13mm Wrench or Socket

- **18.2** Cut the supplied longer, smaller segment of split loom approximately in half and wrap the exposed rear light wires with the split loom. See Figure 18.2
- **18.3** If equipped, pre-assemble the light brackets onto the OEM fender lights. See Figure 18.3. The carriage screw must be preinstalled in the bracket before the light is mounted for clearance purposes.

#### Hardware Used 5/16-18 x 2" Hex Head Screw 5/16-18 Hex Nut 5/16-18 x 3/4" Carriage Screw

Tools Required 1/2" Wrenches and/or Sockets

**18.4** See fig. 18.4. Mount one light onto the left ROPS bracket and position it as desired. Tighten hardware.

Hardware Used 5/16-18 Hex Nut

### Tools Required

1/2" Wrenches and/or Sockets

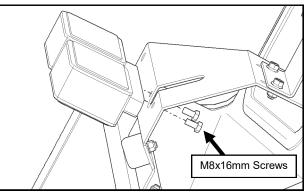


Fig. 18.1 (Assemble OEM Side Lights to Cab)

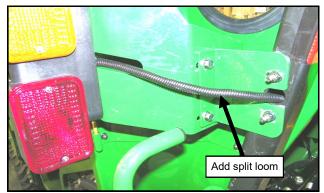


Fig. 18.2 (Assemble OEM Side Lights to Cab)

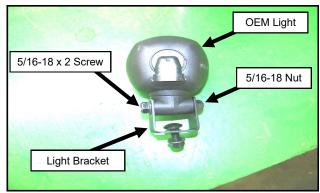
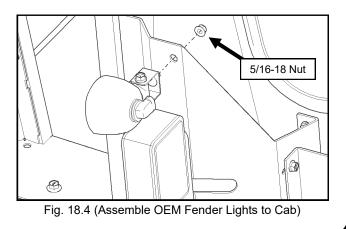


Fig. 18.3 (Pre-Assemble OEM Fender Lights)



#### STEP 18: (OEM SIDE LIGHTS, IF EQUIPPED CONT'D.)

**18.5** See fig. 18.5. Plug the light extension harness into the light. Secure the harness to the back of the rear leg with plastic P-clamps, screw heads inside with nuts outside.

<u>Qty</u>

2 2

2

Hardware Used #10-32 x 1/2" Phillips Head Screw #10-32 Hex Nut 3/8" P-clamp

#### **Tools Required**

#2 Phillips screwdriver 3/8" Wrench or Socket

**18.6** Repeat steps 18.1 through 18.5 for the opposite side lights.

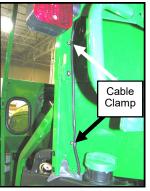


Fig. 18.5 (Secure Fender Light Wires)

# STEP 19: (WINDSHIELD WIPER MOTOR)

- **19.1** Mount the wiper motor to the windshield. See Figure 19.1. Make sure the wires are above the wiper motor shaft to prevent pinching the wire when the windshield is opened and closed.
- **NOTE:** Do not install the wiper arm and blade at this time. Once the motor has been wired, it can be turned on and off to ensure that the wiper arm will be docked in the correct position once it is attached at a later step.
- **19.2** Re-check the windshield pop-out function. The wiper motor should easily clear the cowl, but if not, loosen the windshield hinges and raise the windshield to gain some clearance.

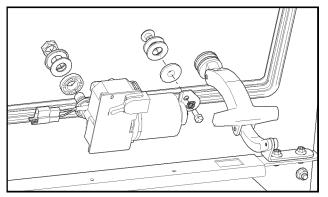


Fig. 19.1 (Windshield Wiper Motor)

## **STEP 20: (HEATER)**

Heater optional for cabs with vinyl curtain doors. If installing cab without heater, install 5/16-18 screws to A-Pillar to plug holes as shown in Fig. 20.2 and then proceed to Step 21.

**20.1** Pre-assemble the heater bracket onto the heater using the screws already installed on the side of the heater. See Figure 20.1. Tighten hardware.

Tools needed #2 Phillips Screw driver.

**20.2** Attach the heater bracket to the right A-Pillar. See Figure 20.2. Tighten hardware.

<u>Qty</u>

Hardware Used 5/16-18 x ¾ Hex Head Screw

#### <u>Tools required</u> $\frac{1}{2}$ " wrench or socket

- **20.3** From outside the cab, install both <sup>3</sup>/<sub>4</sub>" snap bushings into the large holes in the right side of the cowl. Feed the 5/8" diameter hoses, installed in step 8 on page 8, through the bushings to the inside of the cab.
- **20.4** Inside the cab, cut the hoses to length and connect them to the nipples on the heater with hose clamps. Make sure the hoses follow a smooth path between the engine and heater and that no hoses are kinked or will interfere with pedals or hoses on the tractor.

## **STEP 21: (CAB WIRING)**

- **21.1** Route the power wire harness behind the heater bracket, under the upper flange of the bracket, and connect the harness to the wiper motor.
- **21.2** (Optional on cabs with Curtain doors.) Push the switch connector up through the rectangular hole in the cowl, connect to the switch and snap in the heater switch. The "off" position for this switch is in the middle, with low speed one way and high speed the other way. The switch may be installed in either direction, and can be removed and rotated 180° later if desired.
- **21.3** Open the windshield and secure the wiring harness to the cowl using cable clamps. Verify the wiper harness routing allows the windshield to be opened and closed without the harness getting pinched under the windshield. See figure 21.3.

Hardware Used #10-32 x 1/2" Pan Head Screw #10-32 Hex Nut



<u>Qty</u>

<u>Tools required</u> #2 Phillips Screw Driver 3/8" Wrench or Socket.

- **21.4** (Optional on cabs with Curtain doors.) Connect the heater bullet connectors to the wiring harness. Cover the exposed wires with 1/2" split loom provided.
- **21.5** Secure the wiring harness to the A-pillar with cable clamps and self-drilling screws. See figure 21.5. Clean up metal shavings afterward.

Hardware Used #10 Self-Drilling Screw

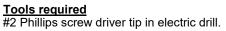


Fig. 20.1 (Pre-Assemble Heater to Bracket)



Fig. 20.2 (Install Heater)

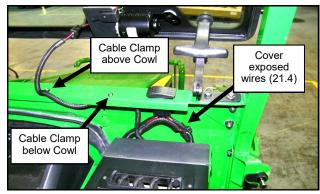


Fig. 21.3 (Secure Wires to Cowl)

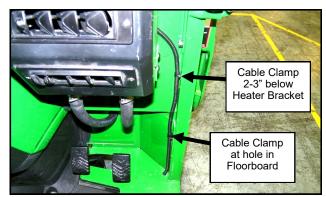


Fig. 21.5 (Secure Wires to A-Pillar)

#### STEP 22: (FINISH WIRING AND HEATER)

- 22.1 Re-connect the battery.
- **22.2** Turn on the vehicle fender light switch and test functionality. Secure the fender light harnesses to the grab handles with wire ties.
- **22.3** Loop the power wire harness behind the heater to remove slack and secure with a wire tie.
- Optional on cabs with Curtain doors proceed to step 23.
- **22.4** Refill the cooling system. Start the tractor and inspect coolant system for leaks.
- **22.5** With the tractor running, check the heater hoses and make sure they get warm. If not, remove the heater from its mount and let hang from the hoses as low as possible. If the heater and hoses still do not get warm, temporarily put a clamp on the upper radiator hose to force coolant through the heater. **Warning:** To avoid engine damage, remove the clamp as soon as heater gets warm. Reattach heater to the bracket. Once complete, let the engine cool, check the coolant level, and top off coolant if required.

### **STEP 23: (FINISH WIPER)**

- **23.1** Turn on the wiper motor briefly, then turn back off. This will make sure the motor shaft is in the correct parked position.
- 23.2 Pre-assemble the wiper arm and wiper blade.
- **23.3** Install the wiper arm onto the wiper motor so that the wiper is horizontal. See Figure 23.3. Tighten the Allen Screws.

#### Tools required

2.5mm Allen Wrench

**23.4** Adjust the length of the wiper arm as long as possible while still clearing the outer cap nut for the windshield latches. Turn on the wiper to check proper operation.

#### **STEP 24: (DOOR STRIKERS)**

- **CAUTION:** The door striker plates are oriented differently depending on the type of doors included.
- (for steel doors only): Striker to OUTSIDE of cab.
- (for vinyl hinged doors): Striker to INSIDE of cab.
- NOTE: Cabs with vinyl curtain doors do not need door strikers installed and striker hardware is not included with the cab.
- **24.1** Install the striker plate to the A-pillar mounting bracket with the large slot toward the inside of the cab (see Figure 24.1).

Qty

Hardware Used 5/16-18 x 3/4" Hex Head Screw 5/16-18 Hex Nut

#### **Tools Required**

1/2" Wrenches and/or Sockets

**24.2** Install the striker parts oriented as shown in Figure 24.1. Note the finger guard should always be oriented toward the inside of the cab.

#### Tools Required

3/4" Wrenches

24.3 Repeat steps 24.1 and 24.2 for the opposite side.

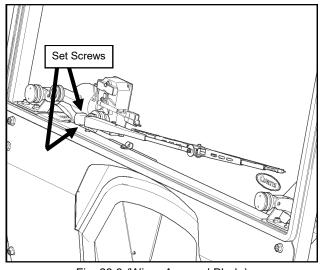


Fig. 23.3 (Wiper Arm and Blade)

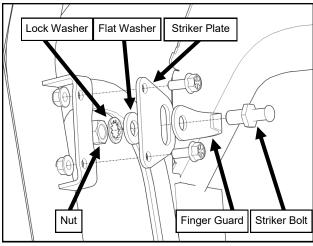


Fig. 24.1 (Door Striker)

#### **STEP 25: (UNDER SEAT FILLER)**

- **25.1** See fig. 25.1. Pre-install the supplied Velcro to the under seat filler. Leave the release tape on until the filler is in place.
- **25.2** Tip the seat forward and set the filler in place. See Figure 25.2. Adjust the Velcro so that the back will be on the glass above the rubber seal of the glass rear window or aligned to the Velcro of the upper rear curtain, the sides are on sheet metal and the corners of the filler roughly line up with the corners of the rear legs, and the front edge is far enough back to not interfere with the function of the levers and knobs.
- **25.3** Remove the release tape a little at a time and stick the filler down as you work your way around.
- **25.4** After the Velcro is adhered to the cab, remove the top of the under seat filler from the back of the cab. Cut the supplied piece of plastic trim approximately in half.

Starting just above the top of the contour panel flange, press the trim onto the rear leg rear flange, below the rear window. See Figure 25.4.

Repeat for the other side.

**25.5** Re-attach the top of the under seat filler to the rear legs and rear window or curtain of the cab.

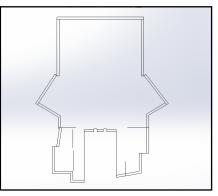


Fig. 25.1 (Install Velcro Under Seat Filler)



Fig. 25.2 (Install Under Seat Filler)

## **STEP 26: (FRONT FILLER)**

- **26.1** Pre-install the supplied Velcro to the front filler. Leave the release tape on until the filler is in place.
- **26.2** Place the front filler into the opening at the front-inside of the left cab floorboard, and against the side of the tractor. See fig. 26.2.
- **26.3** Remove the release tape a little at a time and stick the filler down as you work your way around.

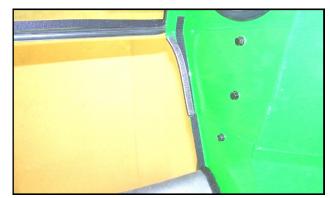


Fig. 25.4 (Install Rubber Trim)



Fig. 26.2 (Install Front Filler)

# STEP 27: (STEEL DOORS, CA CABS ONLY)

- **27.1** Install the supplied brass washers onto the hinge pins on the left side and then apply grease to the pins.
- **27.2** Loosen the door hinge bracket to allow for adjustment later. Hang the left door on the hinges. While lifting up and forward on the door handle, line up the door latch with the striker pin and carefully attempt to latch. You should be able to hear 2 clicks as you slowly engage the latch on the pin. If the latch is too far forward or back to latch on the pin, adjust as shown in figures 27.2a and b. Then retighten and latch.
- **27.3** See fig. 27.3. Stand back and examine the alignment of the door with the roof and the A-pillar. You can adjust this by moving the striker pin up or down as shown to help with alignment. *TIP: In the final step, the front of the door will drop a small amount the first time you open it.* Set the front of the door a little bit higher so it aligns properly. Adjust as necessary until you are happy with the alignment. Have an assistant sit inside the cab and once more carefully close the door like you did in step 27.2. Work with the assistant and tighten the hinge bracket bolts.
- **27.4** Open the door and check for smooth operation of the latch. As noted in step 27.3, the door will likely drop a little bit at the front and the striker pin will need to be adjusted down accordingly. Also make sure the door seal is making contact along the perimeter of the door and the latch clicks twice when closing. If necessary, adjust the striker in or out to achieve this (see Figure 27.3).
- **27.5** See fig. 27.5. With the door open, attach a gas strut to the ball studs on the side frame and door. Make sure the quick release end is on the side frame so that the gas strut stays with the door if removed for ventilation.
- 27.6 Repeat steps 27.1 through 27.5 for the right door.

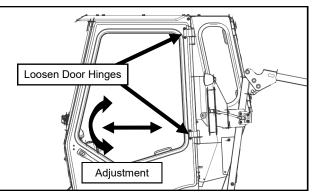


Fig. 27.2a (Door Hinge Adjustment)

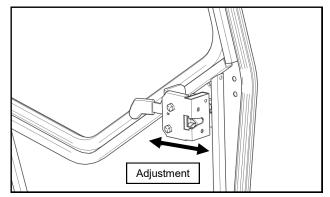


Fig. 27.2b (Door Latch Adjustment)

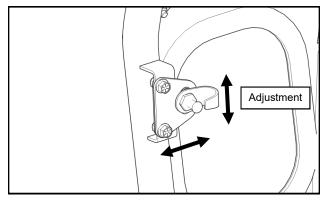
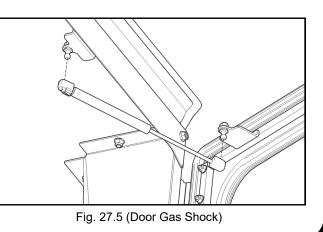


Fig. 27.3 (Striker Pin Adjustment)



# STEP 28: (VINYL HINGED DOORS, PC CABS ONLY)

- **28.1** Install the supplied brass washers onto the hinge pins on the left side and then apply grease to the pins.
- **28.2** Loosen the door hinges to allow for adjustment later. Hang the left door on the hinges. While lifting up and forward on the door handle, line up the door latch with the striker pin and carefully attempt to latch. You should be able to hear 2 clicks as you slowly engage the latch on the pin. If the latch is too far forward or back to latch on the pin, adjust as shown in figures 28.2a and b. Then retighten and latch.
- **28.3** See fig. 28.3. Stand back and examine the alignment of the door with the roof and the A-pillar. You can adjust this by moving the striker pin up or down as shown to help with alignment. *TIP: In the final step, the front of the door will drop a small amount the first time you open it. Set the front of the door a little bit higher so it aligns properly.* Adjust as necessary until you are happy with the alignment. Have an assistant sit inside the cab and once more carefully close the door like you did in step 28.2. Work with the assistant and tighten the hinge bolts.
- **28.4** Open the door and check for smooth operation of the latch. As noted in step 28.3, the door will likely drop a little bit at the front and the striker pin will need to be adjusted down accordingly. Also make sure the door seal is making contact along the perimeter of the door and the latch clicks twice when closing. If necessary, adjust the striker in or out to achieve this (see Figure 28.3).
- **28.5** Due to vehicle and cab manufacturing tolerances, the door frames may need to be hand bent to improve the seal.

To adjust the bottom of the door, hold the door at the latch with the door open and have an assistant hold the top of the door. Pull inward on the bottom corner of the door, then close the door and check the seal.

To adjust the top of the door, hold the door at the latch with the door open and pull inward on the top corner. It is not necessary to have an assistant hold the bottom.

Repeat as needed until the door is sealed around the entire perimeter.

28.6 Repeat steps 28.1 through 28.5 for the right door.

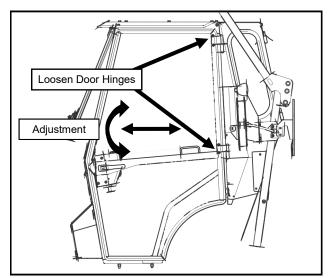


Fig. 28.2a (Door Hinge Adjustment)

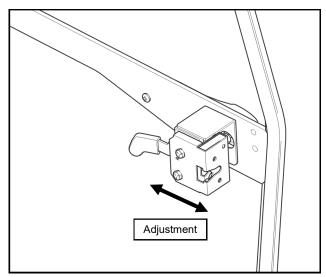
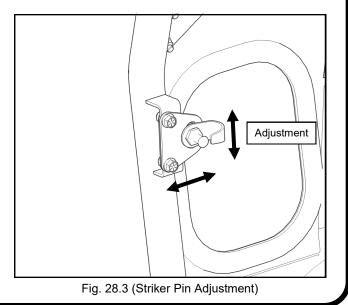


Fig. 28.2b (Door Latch Adjustment)



### STEP 29: (VINYL CURTAIN DOORS, EN CABS ONLY)

- **29.1** Pre-install the supplied Velcro on the left door curtain, to outside strips on the top and rear, and to inside strips at the front. Leave the release tape on until the curtain is in place.
- **IMPORTANT:** Make certain the surfaces of the cab are clean, dry, and at room temperature before adhering the Velcro.
- **29.2** See fig. 29.2. Hold the door curtain to the inside faces of the cab at the top and rear of the door opening, with the inner edges of the Velcro aligned to the bottom edge of the door header, and the inner edge of the rear leg. Pull off the release tape from the top strip and adhere the Velcro to the side header, working from the upper rear corner forward.
- **29.3** See fig. 29.3. Open the windshield latches to vent the windshield. Pull the curtain to the outside of the A-pillar tube with the inner Velcro strip centered on the tube, and the front flange of the curtain centered between the windshield support and cowl.
- NOTE: The front bolt of the side header may need to be loosened to get the curtain between the header and the A-pillar tube.
- **29.4** Remove the release tape and adhere the inner strip of Velcro to the A-pillar tube, working down from the top.
- **29.5** Pull the front flap of the door curtain tight, remove the release tape and adhere the Velcro to the front face of the A-pillar tube, working down from the top.
- **29.6** See fig. 29.6. Remove the release tape and adhere the rear strip of Velcro to the inside of the rear leg, pulling tight and working down from the top. Trim the Velcro around the rivets at the lower rear corner and press the curtain firmly against the rubber filler.
- 29.7 Repeat steps 29.1 through 29.6 for the right door.

Align Velcro to Metal edges

Fig. 29.2 (Align Door Curtain top and rear)

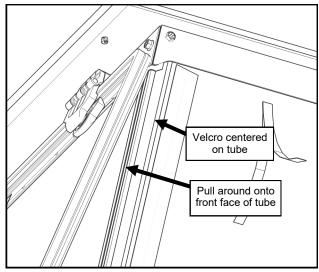
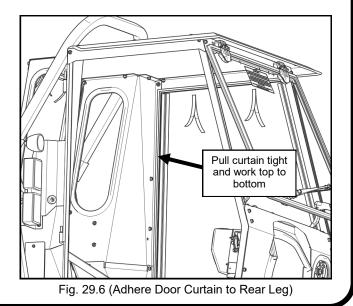


Fig. 29.3 (Align Door Curtain to A-pillar)



#### **STEP 30: (ACCESSORIES/PLUGS)**

**30.1** If installing accessories, please do so now. If not, use the supplied plastic and/or rubber plugs to fill any exposed holes. See Figure 30.1.

#### 30.2 Optional Rear Wiper Note:

For easier wiper motor harness disconnection, cut the main wiring harness connector off a few inches from the end and create a jumper harness with it using bullet connectors. **Do not cut the connector off the wiper motor**.

Strip all the wires, crimp a male bullet connector onto the ground (black) wire of the main wire harness and a female bullet connector on the positive (red) wire.

Reverse the male and female bullet connectors on the new jumper wire harness so that the male bullet connector is on the positive (red) wire and the female bullet connector is on the ground (black) wire.

NOTE: The rear wiper kit is compatible with the glass rear window only, and can not be installed on a vinyl rear curtain.

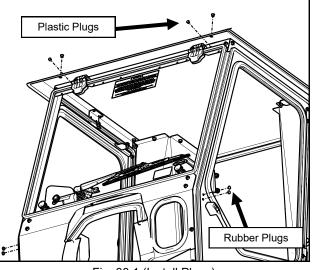


Fig. 30.1 (Install Plugs)

## **STEP 31: (FINISHING TOUCHES)**

**31.1** Due to the nature of the packaging materials used for shipping this product, the components of the cab system may have dust on their surfaces upon removal from the packaging. It is recommended that after completion of the cab installation, the cab and vehicle are washed thoroughly to eliminate any dust or contaminants. See the Care and Maintenance section at the back of this manual for critical information on cleaning the cab.

<u>NOTE: this cab may use a common hardware kit and</u> <u>therefore may have extra hardware. Discard additional</u> <u>hardware.</u>

## **CAB FEATURES & OPERATION**

#### **POP-OUT WINDSHIELD**

Your 2025R cab comes equipped with a pop-out windshield for ventilation. To open the windshield, simply lift up on both of the pop-out latches and rotate until the latches rest in the over-center position.

# LIFT-OFF DOORS (for steel doors and vinyl hinged doors only)

For added ventilation, the doors on the cab lift off in seconds without tools.

#### To lift off:

1) Rotate the doors  $45^{\circ}$  to the cab and lift. Also, remove the hinge washers and store in a plastic bag.

Store the doors in a safe location to prevent damage.

#### **REMOVABLE REAR WINDOW (for cabs with steel doors only)**

In order to use the backhoe on tractors so equipped, the rear window must be removed.

To remove the rear window:

- Remove the under seat filler from the rear window by disconnecting the Velcro and fold it down under the operator's seat.
- 2.Open both window latches and disconnect from right rear leg with tabs on latch. Open the window taking care not to let the window open into the ROPS or damage may occur.
- 3.From outside of the cab, lift up on the rear window and slide off the hinges. Remove the hinge washers and store in a plastic bag.

Store the rear window in a safe location to prevent damage.

To reinstall the rear window, reinstall the hinge washers, align the hinges with the pins and drop into place. Re-attach the latches to the rear leg. Re-apply the under seat filler Velcro to the rear panel.

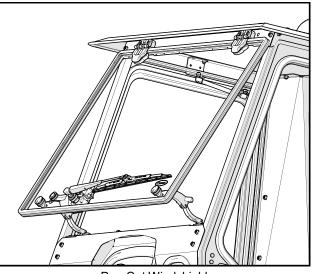
## VINYL CURTAIN DOORS (EN Cab)

Base cab curtain doors feature zippers and straps that allow the doors to be rolled up and secured as desired

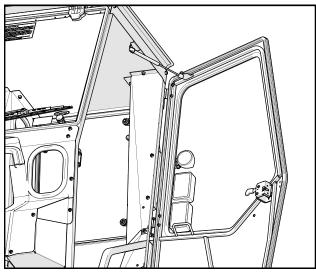
Curtain doors include magnets at the bottom to help secure the curtain against the cab floorboard.

# VINYL REAR CURTAIN (PC and EN Cabs)

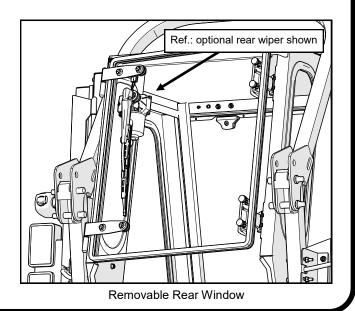
Rear curtains include straps at the top that allow the curtain to be rolled up and secured.



Pop-Out Windshield

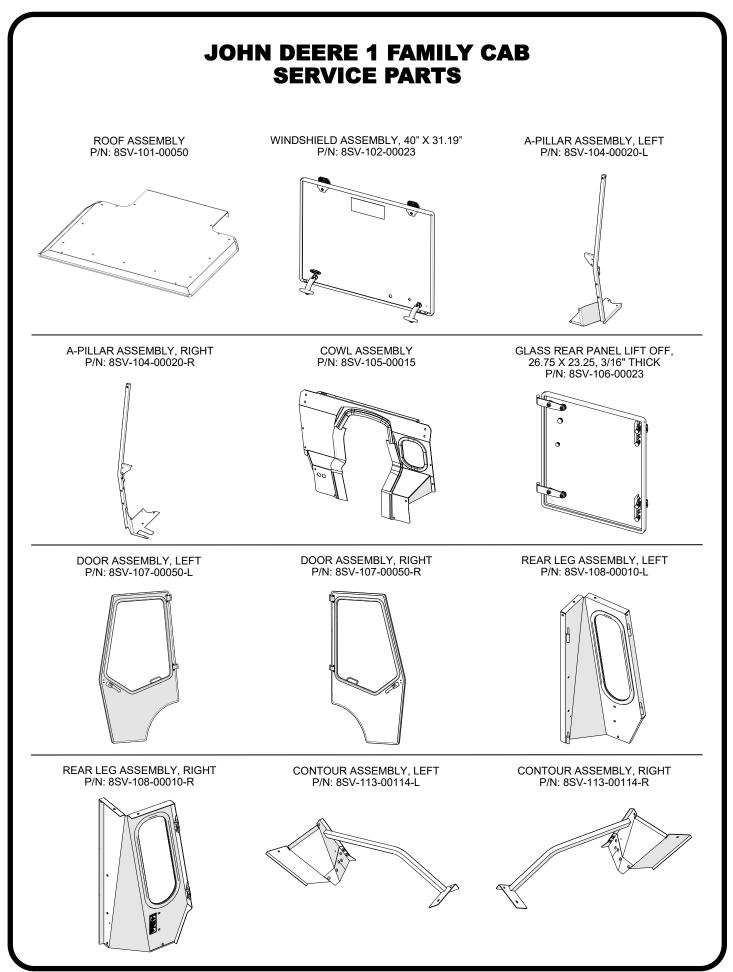


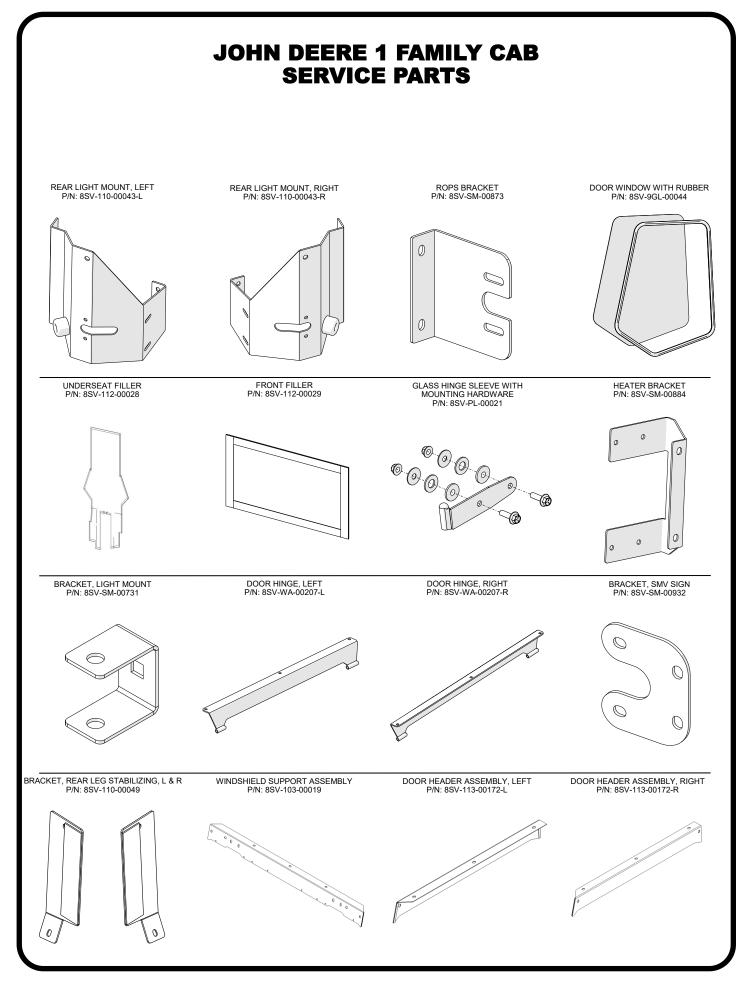
Lift-Off Doors



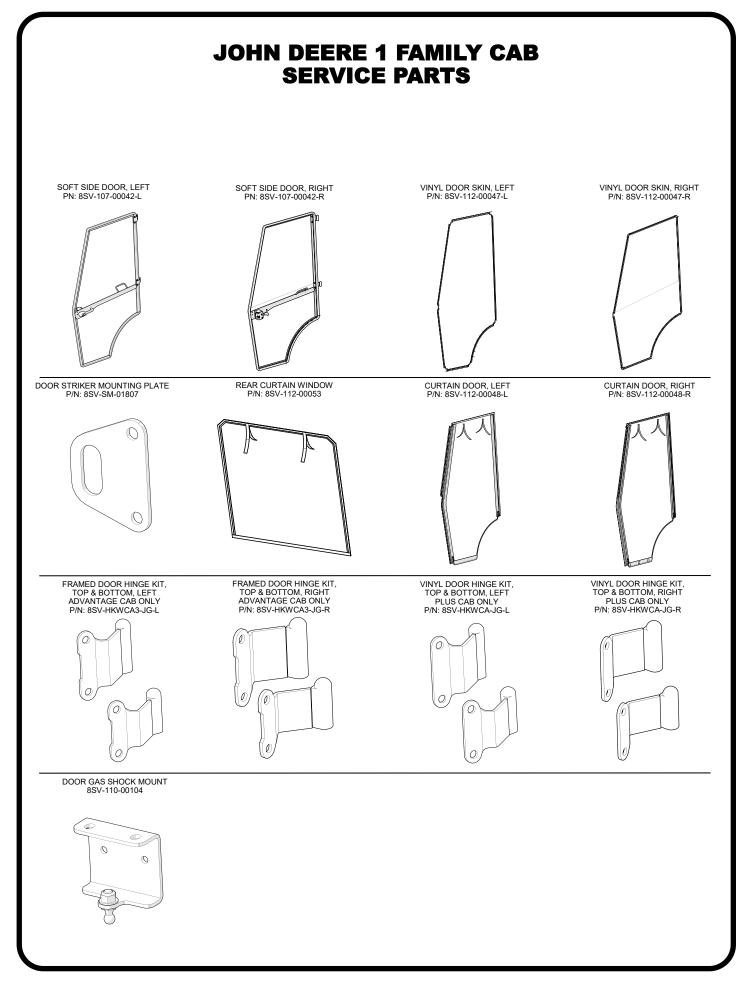
## **CARE AND MAINTENANCE**

- •Re-apply lubrication (preferably grease) periodically as needed to the door striker pins, door latch assemblies, and the door hinges.
- •Check and tighten hardware after 40 hours of operation. Periodically inspect and tighten hardware for the remainder of the unit's life.
- •Wash the painted surfaces of the cab with commercial automotive cleaning products.
- •Clean glass windows with glass cleaner. *Note: Some windows on the cab are acrylic.* **DO NOT** clean acrylic windows with harsh chemicals. It will damage the plastic. Mild soap and water should be used on all acrylic windows.
- •Vinyl components should be washed with a mild solution of warm soapy water.









## **ADDITIONAL SERVICE PARTS**

PART NUMBER	DESCRIP	TION						
8SV-P-00063	COWL WI	NDOW WITH	H RUBBER					
8SV-P-00058	REAR LEO	EAR LEG WINDOW WITH RUBBER						
9SV-9FR-00035	REAR CO	EAR CORNER FILLERS (SET OF 2)						
9SV-DP11	DOME PL	OME PLUG 1/2" (BAG OF 10)						
9SV-DP10	DOME PL	OME PLUG 3/8" (BAG OF 10)						
8SV-WL3	WINDSHI	ELD LATCH	& BRKT AS	S'Y. SGL PO	ST (SET OF	L&R)		
9SV-HWS	WINDSHI	/INDSHIELD HINGE KIT						
9PWM110	WIPER M	/IPER MOTOR, 110 DEGREE						
9PWB20-FB	WIPER BL	VIPER BLADE, 20", FLEX						
9PWA14-16	WIPER AF	VIPER ARM, ADJUSTABLE LENGTH (11" - 16")						
9PWK-HB	GLASS M	OUNTING K	IT FOR WIP	ER SYSTEM	S			
9SV-DSTRH	DOOR ST	RIKER KIT-I	NCLUDES (	CASE HARDI	ENED STRIK	KER BOLT		
9SV-IHRL	INSIDE H	ANDLE ROT	ARY LATCH	I KIT (INCL. I	_ & R)			
9SV-OHRL	OUTSIDE	HANDLE R	OTARY LAT	CH KIT (SET	OF 2)			
9SV-9PHW010-W	HINGE W	ASHER, KIT	(SET OF 4)	OD .635, ID	.41, THK .08			
9PI01	POLY INS	ERT 1", 14-2	20 GA BLK N	MATTE ,INSE	RT FINS .94	l/.95 (QTY.: 0	ONE)	
9PI02	POLY INS	ERT 3/4", 14	4-20 GA BLK	MATTE FIN	ISH, INSER <sup>-</sup>	T FINS 0.69 (	(QTY.: ONE)	
9SV-WL1	WINDSHI	ELD LATCH	KIT 1, POPS	S OPEN W/S	FOR VENTI	NG ONLY		
9SV-9BM01	RUBBER	SNUBBER,	1-1/8" (2) (Q	TY.: 2)				
9SV-HWK-00078	HARDWA	RE KIT JOH	N DEERE 1	FAMILY				
8SV-9PH20SJD1FL	HEATER I	KIT FOR JOI	HN DEERE	1 FAMILY CL	JRTIS ADVA	NTAGE CAB	B (COMPLET	E)
9SV-9DPSB	HEATER I	HOSE BUSH	IINGS, SNAI	P BUSHING,	.750" X 1.09	3" (QTY.: 2)		
9SV-9HR-00005	TEE FITTI	NG, 1-1/8" >	( 1-1/8" X 5/8	8" (QTY.: ON	E)			
9SV-9HR0045	BLOCK AI	DAPTER (3/8	8" NIPPLE) (	(QTY.: 2)				
9HR0051MF	EXTENDE	D SENDING	G UNIT ADAI	PTER (QTY.:	ONE)			
9SV-9HR00601.0	HOSE CL	AMPS #10 (*	1") (QTY.: 6)					
9SV-9HR00601.5	HOSE CL	AMPS #16 (*	1.5") (QTY.: :	2)				
9SV-UHTRILV	UNIVERS	AL HEATER	IN-LINE VA	LVE (SET OI	= 2)			
9SV-9HR0048	ROCKER	SWITCH (H	I-OFF-LOW)	(QTY.: ONE	)			
9SV-9HR-L	REPLACE	MENT LOU	VER-15,000	& 20,000 BT	U HEATER,	(ONE LOUV	ER WITH 2 S	SCREWS)
8SV-9PH20WG	TUCK-AW	AY HEATER	R WITH WIR	ED GROUNE	)			
9SV-HRH61-20	HEATER I	HOSE (5/8" I	l.D.)-20 FT					
9PH20-2	FAN 120 >	x 120 x 38 12	2VDC 12W 3	200 RPM				
9SV-WH-00071	WIRING F	IARNESS FE	ENDER LIGH	HT				
9SV-WH-00072	WIRING F	IARNESS P	OWER					
8SV-WH-GF	WIRE HAI	RNESS, GLA	ASS FUSE					
9DL01H	KEYS, SE	T OF 2 ON A	A RING, FOR	R HANDLE 1	096-1, KEY (	CODE C40		
9SV-GS02Q	GAS SPR	INGS, 12-3/8	B EXT, QUIC	K DISCONN	ECT ENDS (	SET OF 2)		
TRIM LOK, STD, 1/16" - 1/8" GRIP	1" FLAT BULB, 1/16" GRIP	WINDOW RUBBER	BALL CAGE RUBBER	1" ROUND BULB, 1/16" GRIP	3/4" SIDE BULB, 1/16" GRIP	3/4" SIDE BULB, 1/4" GRIP	ARCH PSA RUBBER .2 X .15	5/8" SIDE BULB, 1/4" GRIP
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9SV-PRO1-20 9SV-PRO2-15	9SV-PR05-10	PRO5-10 9SV-PR10-20 9SV-PR11-10 9SV-PR19-10 9SV-PR17-20 9SV-PR38-15 9SV-PR53-15 9SV-PR23-						

