

# **John Deere 3 Family**

Premium Cab p/n: 1JD3FPR

Standard Cab p/n: 1JD3FST

Fits Tractor Models: 3033R, 3039R, 3046R



Premium Cab Shown with Optional Front LED Work Lights.

#### Available Options:

- 1. Front LED Work Lights (p/n: 9LEDW4)
- 2. Rear LED Work Lights (p/n: 9LEDW3)
- 3. Front Wiper (p/n: 9PWK110) supplied with Premium Cab (optional with Standard Cab).
- 4. Rear Wiper (p/n: 9PWK85F)
- 5. Strobe Light (p/n: 9LEDS2)
- 6. Heater (p/n: 9PH20S57)

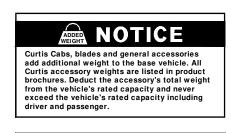
APPROXIMATE INSTALLATION TIME: 4 HOURS (not including accessories)

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

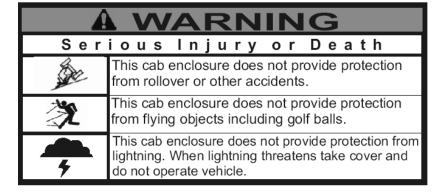
Rev. C, 4/20/2018

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.



Exposure to Carbon Monoxide can Cause illness, serious injury or death. Never operate vehicle if suspicious of Carbon Monoxide. Inspect exhaust system for leaks monthly. Leaks can result from loose connections, corrosion, cracks or other damage to the exhaust manifold. If leaks are found, repair or



## GENERAL INFORMATION BEFORE YOU START

#### **HELPFUL HINTS:**

- Refer to parts diagram at the back 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. Begin the thread engagement by hand to avoid or correct potential cross threading.

#### **TOOLS REQUIRED**

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

- Drill
- 7/16" Drill Bit
- Pair of Scissors
- Bar Clamps
- Silicone Sealant
- Wire cutters (for wiper)
- Wire strippers (for wiper)
- Wire crimpers (for wiper)

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

**1.1 Per figure 1.1,** remove both grab handles, leave spacers in place. Install hardware listed below, with bolts to the top side of fender. Tighten hardware to secure fenders to supports.

Hardware Used	Qty
M8 X 80mm Long FHCS	4
M8 Flange Nut	4

- **1.2** Remove, and discard, the two (2) plastic pine tree clips holding the floor mat down, as well as the rear bolt and nut in each floorboard (see figs. 1.2a and 1.2b).
- **1.3** For Premium Cab Only. Remove, and save, the long bolts attaching the fender to the roll bar on each side. See fig. 1.3 for bolt locations.

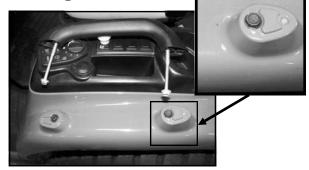


Fig. 1.1 (Typical both sides)

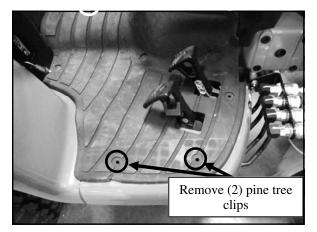


Fig. 1.2a



Fig. 1.2b (Right Side Shown)

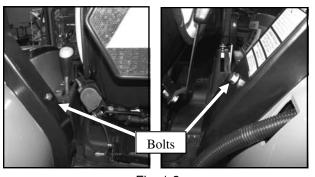


Fig. 1.3

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

- **1.4** Using a nail or other sharp object, mark the hole locations for the bolts removed in step 1.2b in the rubber floor mat. Drill the rubber floor mat out to 7/16". See Fig. 1.4
- **1.5** Unbolt the rear signal lights and let hang from the wires.

#### 1.6 For Premium Cab Only.

Remove and *save* SMV (Slow Moving Vehicle) sign, bolts, and plastic mounting receivers from back of driver's seat. Tip driver's seat forward.

**1.7** Per fig. 1.7, install rubber in a straight line just behind fuel door pocket. Cut even with green cowl pieces on each end (approximately 24").

#### 1.8 For Premium Cab Only.

Per figure 1.8, remove and save four bolts from cross brace behind seat.

NOTE: Install the wiring harness at this time before starting cab installation.

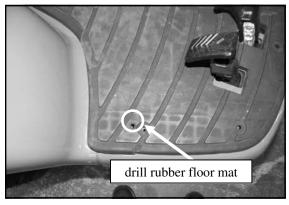


Fig. 1.4 (Right Side Shown)

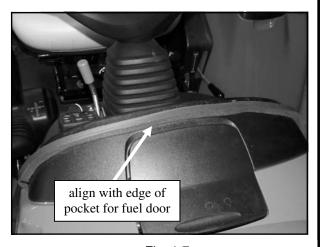


Fig. 1.7

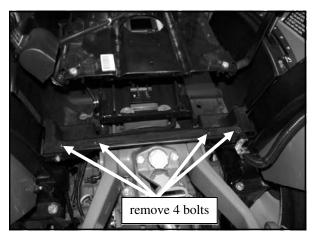


Fig. 1.8

### **STEP 2: (WIRING HARNESS)**

- **2.1** Attach the wire harness ring terminals to the battery terminals, matching colors See Fig. 2.1.
- **2.2** Run the wires over the radiator and under the foam radiator-to-hood seal. On some models, it may be necessary to remove the knockout to run the wires. See Fig. 2.2.
- **2.3** Loosely secure the wires to an under hood bracket as shown. See Fig. 2.3.
- **2.4** Run the wires down the inside of the right side engine cover to the floor pan as shown in figure 2.4.
- **2.5** Run the purple wire through the back of the engine compartment to the fuse block on left side and connect it to switched power with fuse tap provided. See Fig. 2.5.
- **2.6** Turn the key on and check for power at the male push-on terminals with a test light or volt meter.



Fig. 2.1 (Wire Harness - Engine Bay of Vehicle)

Note: Accessing the harness after cab installation requires some cab disassembly. Check for power now!

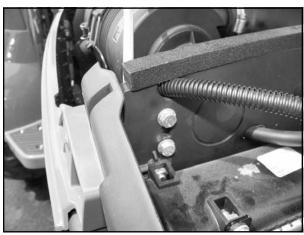


Fig. 2.2 (Wire Harness - Engine Bay of Vehicle)

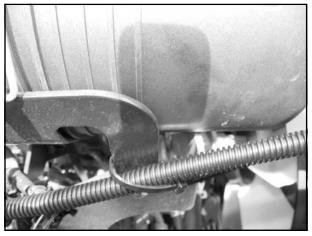


Fig. 2.3 (Wire Harness - Engine Bay of Vehicle)

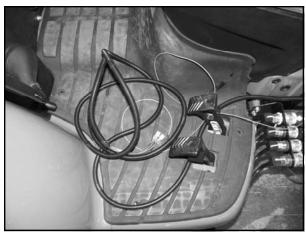


Fig. 2.4 (Wire Harness)

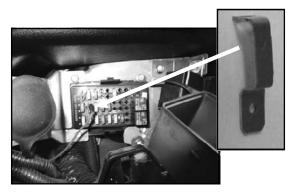


Fig. 2.5 (Wire Harness - Left Side of Vehicle)

#### **STEP 3: (REAR PANEL AND MOUNTS)**

**3.1** Assemble left and right inner ROPS mounts to outer ROPS mounts. See figure 3.1

Hardware Used	Qty
5/16-18 X .75" Long Flanged-Head Cap Screw	4

**3.2** Install the ROPS mount assemblies to the ROPS using the hardware listed below. See Fig. 3.2

Hardware Used	Qty
M8 X 70mm Long FHCS	4
M8 Flange Nut	4

**3.3** Reinstall Vehicle lights to open position on ROPS brackets. Install loom provided on wires between light and ROPS.

Hardware Used	<b>Qty</b>
M8 X 20mm Long FHCS	4

## For Premium Cab only.

If installing a standard cab, proceed to step 4.

**3.4** Fasten the lower rear panel to the upper rear panel. See figure 3.4. The lower panel mounts inside the upper panel.

Hardware Used	Qty
5/16-18 X .75" Long Flanged-Head Cap Screw	4
5/16" Nylon Washer	4
5/16-18 Flange Nut	4

- **3.5** Install gas shocks (the longer ones on the premium cab) oriented so that the piston rod will end up pointing down (towards the ground) for best, continuous seal lubrication and longest gas shock life.
- **3.6** With assistance, place the rear panel assembly behind the seat and in between the roll bar uprights. Using the original factory bolts and mounting locations from step 1.3 and 1.8, fasten the rear panel assembly to the vehicle See Fig. 3.6.



Fig. 3.6 (Rear Panel Installed on Tractor)



Fig. 3.1 (Left Side Shown)

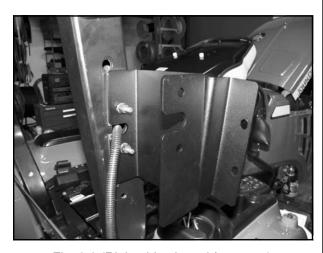


Fig. 3.2 (Right side viewed from rear)



Fig. 3.4 (Rear Panel w/ Lower Panel Attached)

## STEP 4: (COWL)

**4.1** Pre-assemble the cowl and front legs (as shown in fig. 4.1) by fastening together at the inside hole only, using the hardware listed below, with the bolts to the outside.

Hardware Used	<b>Qty</b>
5/16-18 X .75" Long Flanged-Head Cap Screw	2
5/16" Nylon Washer	2
5/16-18 Flange Nut	2

- **4.2** Install 1" bulb rubber (approximately 86") along the sheet metal edges as shown in fig. 4.2. Trim any extra bulb rubber.
- **4.3** With assistance, place cowl assembly onto tractor from behind the hood. Angle the bottom of the cowl forward and in front of the pedals and swing the top into position. The 1" bulb rubber should face forward.

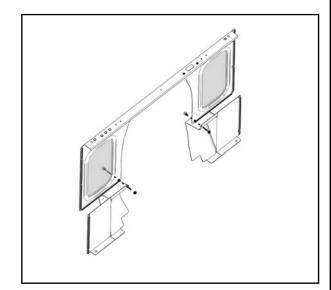


Fig. 4.1 (Cowl pre-assembly)

## **STEP 5: (SIDE FRAMES)**

- **5.1** Remove doors from side frames (for easier handling) by unlatching and sliding up and off the hinge pins.
- **5.2** With assistance, install the left and right side frames to vehicle. The bottom of the side frame is to be on top of the vehicle floorboard and mat but under the bottom flange of the front cowl assembly. See Figure 5.2. Have assistant hold in place and install the rear panel and ROPS mount bolts. If installing standard cab, install hardware in outer ROPS mounts only (4 each).



**5.3** Push the side frame back and install the side frame to the vehicle floorboard where floorboard bolt and nut was removed in VEHICLE PREP. step 1.2. The bolt is to pass through the bottom of the side frame and the floorboard. Reference Figure 5.2

<u>Hardware Used</u>	<u>Qty</u>
M8 X 70mm Long FHCS	2
M8 Flange Nut	2

**5.4** Install the front cowl assembly to the side frames with the flap of bulb rubber extended forward over the rubber foam installed during "Vehicle Prep" step 1.7 and away from the passenger's compartment. Use the hardware listed below. The nylon washers are used on the bolts installed into threaded inserts.





Fig. 4.2



Fig. 5.2

#### **STEP 6: (WINDSHIELD SUPPORT)**

**6.1** Install the front windshield support to the side frames with the bent flange down, using the hardware listed below. **NOTE:** Only the bottom two holes are to be fastened to the side frames at this time as the top holes will get fasteners once the roof is installed. (See Fig. 6.1)

Hardware Used	Q
5/16-18 X .75" Long Flanged-Head Cap Screw	2
5/16" Nylon Washer	2
5/16-18 Flange Nut	2

- **6.2** Aligning panel edges with side frames, fully tighten all previously installed hardware in the following sequence.
  - 1. Windshield support
  - 2. Cowl (clamp top of cowl to side frames before tightening top flange bolt.)
  - Rear panel and outer ROPS mounts to side frames.
  - 4. Lower rear panel to tractor
  - 5. Rear panel to lower rear panel
  - 6. Inner ROPS mounts to roll bar
  - 7. Inner ROPS mounts to outer ROPS mounts.
  - 8. Side frames to floorboard.



**7.1** With assistance, install the windshield to the windshield support using plastic spacer blocks underneath each upper plastic hinge to space it off the windshield support. Snug fasteners, but **do not tighten fully**. See Fig. 7.1.

Hardware Used	Qty
5/16-18 X 1-1/2" Long Flat Head Screws	4
5/16-18 Flange Nut	4
Plastic Spacer Blocks	2

7.2 Fasten pop-out windshield latch brackets to cowl with the pop-out latches open, using hardware listed below. Lift up on the bottom of windshield and close the latches. Align the windshield sides with the side frames. Clamp the bottom corners of the windshield to the side frames to compress the sealing rubber and tighten the latch bracket hardware. Tighten hinge hardware. Caution: The windshield hinges are plastic components. Do not over tighten the 5/16-18 flat head screws. Torque to 7 ft. -lbs. max. Remove clamps and check seal at bottom corners of windshield. If necessary, reinstall clamps and loosen latch bracket hardware. Have an assistant pull the (closed) latches toward the back of the cab while retightening hardware. If there is still a gap, loosen hinge hardware and move the windshield down until the gap closes.



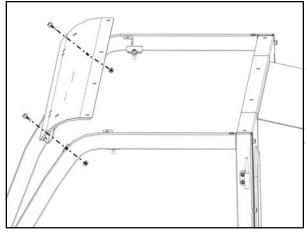


Fig. 6.1 (Windshield Support Installation)

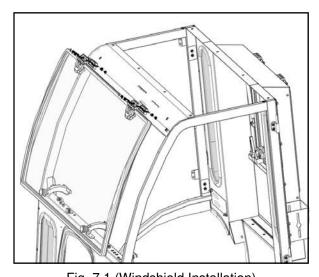


Fig. 7.1 (Windshield Installation)

## **STEP 8: (REAR CURTAIN HEADER)**

#### For Standard Cab only.

If installing a premium cab proceed to step 9 below.

**8.1** Set the rear panel header in place and start two bolts with plastic washers in the rear panel header. See Figure 8.1.

Hardware Used	Qty
5/16-18 X .75" Long Flanged-Head Cap Screw	2
5/16" Nylon Washer	2

## STEP 9: (ROOF)

- **9.1** With assistance, lift the roof onto the side frames. See Figure 9.1.
- **9.2** Ensure that the roof is square to the side frames and fasten to vehicle using the factory installed inserts and the hardware listed below.

Hardware Used	<b>Qty</b>
5/16-18 X .75" Long Flanged-Head Cap Screw	10
5/16" Nylon Washer	10
5/16-18 Flange Nut	8

## **STEP 10: (TIGHTEN ALL FASTENERS)**

**10.1** Re-check all previously installed fasteners to ensure that they have been properly tightened.

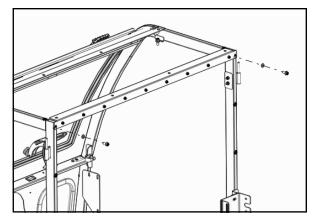


Fig. 8.1 (Rear Curtain Header Installation)

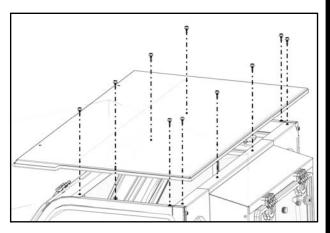


Fig. 9.1 (Roof Installation)

## STEP 11: (DOORS)

**11.1** Grease the hinge pins and re-install the doors into their respective hinge pins located on the side frames. See Fig. 11.1

Note: Holding the door perpendicular to the side frame will ease installation. If hinge sleeves do not initially bottom out, rotate the door back and forth until hinges are seated properly.

- **11.2** Install the door gas shocks (the shorter ones on the premium cab) oriented so that the piston rod is pointing slightly downhill (towards the door) for best, continuous seal lubrication and longest gas shock life.
- **11.3** The door latches should "double click" for full engagement and proper closure. If necessary, make the following adjustments in this order:
- Adjust the striker pin on the side frame vertically -See Fig. 11.3a
- Adjust the latch located inside the door horizontally -See Fig. 11.3b
- Adjust the hinges located at the rear of the door -See Fig. 11.3c

Note: The quickest, most common solution is to adjust the striker pin position on the side frame using two 3/4" open end wrenches.

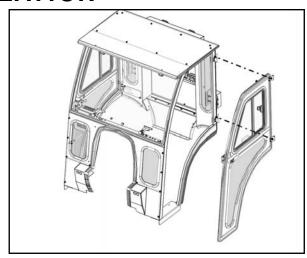


Fig. 11.1 (Door Installation)

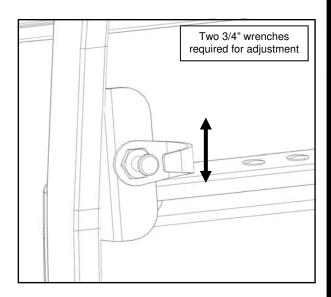


Fig. 11.3a (Door Striker Adjustment)

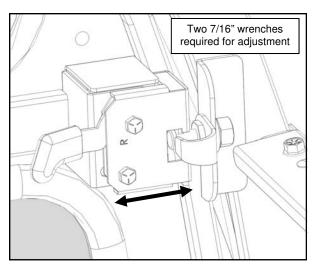


Fig. 11.3b (Door Latch Adjustment)

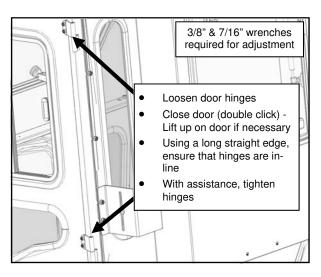


Fig. 11.3c (Door Hinge Adjustment)

## STEP 12: (Rear Curtain)

### For Standard Cab only.

If installing a premium cab, proceed to step 13 on the next page.

- **12.1** Snap the supplied rear curtain to the inside of the rear panel header. See Fig. 12.1.
- **12.2** Using the supplied Velcro, secure the sides of the rear curtain to the side frames, respectively. See Fig. 12.2 and 12.2a.
- **12.3** For the areas of the rear curtain that attaches to the tractor's fenders and cross brace, begin by doing a dry fit to get a feel for where all areas fit best. Apply the corresponding Velcro where deemed necessary and to match the Velcro on the rear curtain.
- **12.4** Install the hardware listed below into the exposed threaded inserts found on the back of the side frames. See Fig. 12.4

Hardware Used	Qty
5/16-18 X .75" Long Flanged-Head Cap Screw	6
5/16" Nylon Washer	6

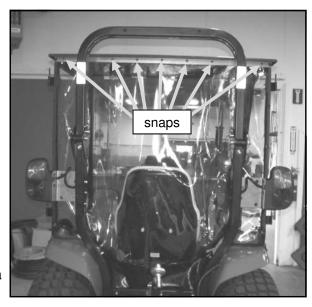


Fig. 12.1 (rear curtain installed)

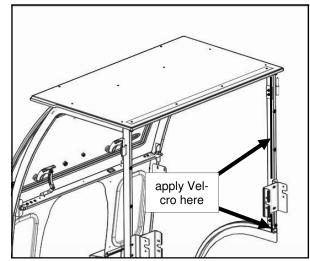


Fig. 12.2 (rear curtain - right side of cab)

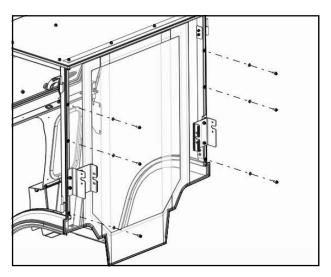


Fig. 12.4 (hardware for side frames)

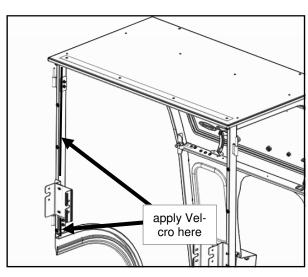


Fig. 12.2a (rear curtain - left side of cab)

#### **STEP 13: (VINYL FILLERS)**

**13.1** Install the left vinyl filler over the opening in the left front leg, as shown in Fig. 13.1. Apply the supplied self-adhesive Velcro around the perimeter to suit. For best adhesion, apply to a clean, dry surface at room temperature.

**13.2** Repeat for the right front filler.

## STEP 14: (SMV SIGN)

#### For Premium Cab only.

If installing a standard cab, proceed to step 15.

- **14.1** Install the SMV plastic mounting receivers from step 1.6 onto the back of the rear panel. See Fig. 14.1.
- **14.2** Bolt the SMV sign into the receivers using hardware removed in step 6.1.
- **14.3** Open the rear widow and install the long gas shocks with the piston rods pointed down.

## **STEP 15: (POWER HARNESS)**

**15.1** Per fig.15.1, secure switched power wiring harnesses (from Step 2) to the cowl using the hardware listed below. Coil up any excess of the switched power wiring harness near the battery and wire tie in place. Tighten all P-clips and wire ties.

Hardware Used	<u>Qty</u>
#10-32 Pan Head Screw	2
#10 Plastic Washer	2
#10-32 Flange Nut	2
P-Clips	2

## STEP 16: (WIPER)

Wiper is optional on Standard Cab.

- **16.1** Install the front windshield wiper motor arm and blade per the installation instructions included with the wiper kit.
- **16.2** Connect the wiper wire harness to the wiper motor.



Fig. 13.1 (Vinyl Filler installation)

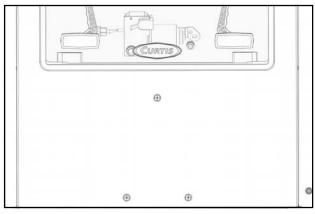


Fig. 14.1 (SMV receivers installation)

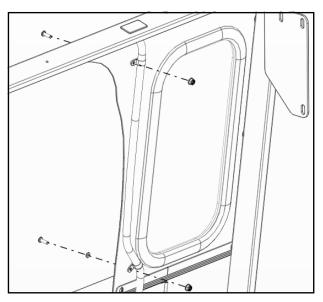


Fig. 15.1 (Switched Power Harness Routing)

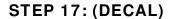
#### **STEP 16: (WIPER CONTINUED)**

**16.3** With windshield latches open, cut the wiper harness to length, leaving enough slack to route per Step 16.4 and connect wiper harness to 2 of the switched power push-on terminals matching colors.

Hardware Used	Qty
Female Push-on connectors	2

**16.4** Place the loom on the wiper wire harness and connect to the wiper motor. Secure under top flange of cowl using the hardware listed below in the hole provided in the center of the cowl flange.

Hardware Used	Qty	
#10-32 Pan Head Screw	1	
#10-32 Flange Nut	1	
P-Clip	1	



**17.1** For Premium Cab Only. Per fig. 17.1, install the supplied ROPS decal to a clean, dry surface at room temperature for best adhesion.



Fig. 17.1 (ROPS Decal Installed, right side)

## **CAB FEATURES & OPERATION**

#### POP-OUT WINDSHIELD

Your John Deere 3 Family Premium 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**

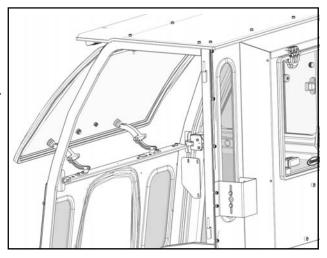
For added ventilation, the doors on the John Deere 3 Family Premium cab lift off in seconds without tools.

#### To lift off:

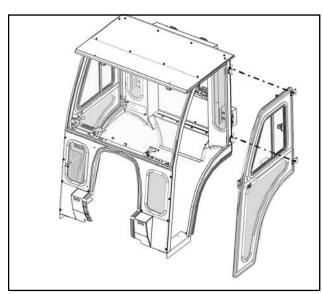
- 1) Disconnect the gas shock from the side frame by depressing the orange activator.
- 2) Rotate the doors 90° to the side frame and lift. Store the doors in a safe location to prevent damage.



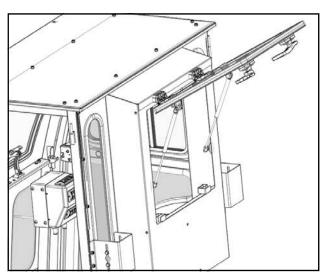
Your John Deere 3 Family Premium cab comes equipped with a pop-out rear window for ventilation. To open the rear window, simply twist both of the pop-out latches and *slowly* open the rear window. The twist latch brackets have a second catch that can be used to lock the window slightly open for ventilation, or the window can be allowed to raise completely by the gas shocks.



Pop-out Windshield



Lift-Off Doors



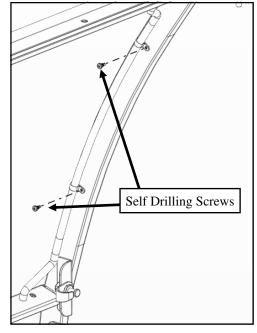
Rear Window

## **OPTIONAL ACCESSORY INSTALLATION NOTES**

- 1. Front LED Work Lights (P/N: 9LEDW4)
  2. Rear LED Work Lights (P/N: 9LEDW3)
- 3. Rear Wiper (P/N: 9PWK65T)4. Strobe Light (P/N: 9LEDS2)5. Dome light (P/N 9LEDD14)

Combine all roof accessory wires into one, or at most two, wire looms (3 accessory wires per loom). Remove the plugs from one or both corners of the cowl and windshield support and run the wires and loom through the holes. Secure to side frames with P-Clips and self-drilling screws. CAUTION: Be sure loom goes through holes to protect wires from chaffing.

The switched power harness is set up to run 2 accessories with a maximum 10 amp draw. Use for wiper and one additional accessory. Run all other accessories back to the battery or use optional switch panel.



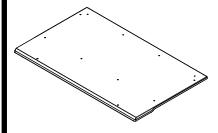
Wire Loom Routing

## 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.

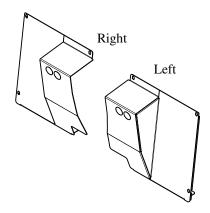
# **JOHN DEERE 3 FAMILY PREMIUM & STANDARD CAB** (P/N: 1JD3FPR & 1JD3FST)

Roof Assy. P/N: 8SV-101-00003

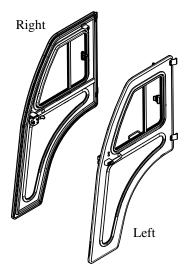


Front Legs:

Right P/N: 8SV-104-00002-R Left P/N: 8SV-104-00002-L



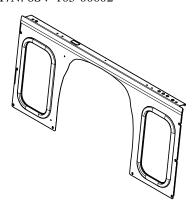
Premium Steel Doors: Right P/N: 8SV-107-00002-R Left P/N: 8SV-107-00002-L



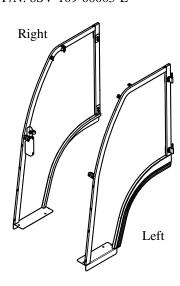
Windshield Assy. P/N: 8SV-102-00004



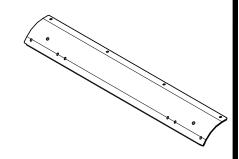
Cowl Assy. P/N: 8SV-105-00002



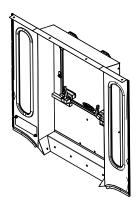
Side Frames: Right P/N: 8SV-109-00003-R Left P/N: 8SV-109-00003-L



Windshield Support Assy. P/N: 8SV-103-00002



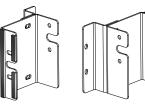
Rear Panel Assy. P/N: 8SV-106-00002



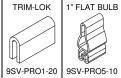
Lower Rear Panel Assy. P/N: 8SV-113-00003



Roll Bar Bracket Assy. Right P/N: P/N: 8SV-110-00010-R Left P/N: P/N: 8SV-110-00010-L



Left Right



1" FLAT BULB











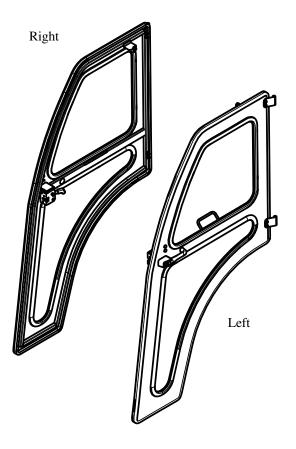


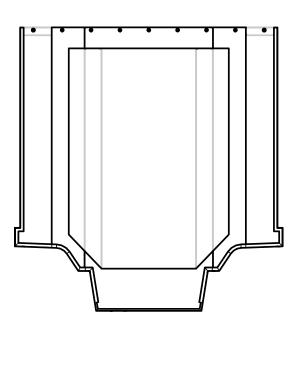


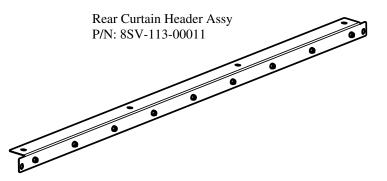
# JOHN DEERE 3 FAMILY STANDARD CAB (P/N: 1JD3FST)

Standard Steel Doors: Right P/N: 8SV-107-00006-R Left P/N: 8SV-107-00006-L

Rear Curtain, Standard Cab P/N: 8SV-112-00006







# **ADDITIONAL SERVICE PARTS**

QTY.	PART NUMBER:	DESCRIPTION:
1	HWK-00001	HARDWARE KIT JD3FPR
2	8SV-P-00001	RP SIDE WINDOW JD3F, 29.58 X 4.68
2	8SV-P-00006	LOWER DOOR WINDOW JD3F, 29.16 X 29.06
2	8SV-P-00007	COWL WINDOW JD3F, 15.94 X 8.31
1	8SV-SWXL	SLIDING DOOR WINDOW W/RUBBER-L
1	8SV-SWXR	SLIDING DOOR WINDOW W/RUBBER-R
1	8SV-WL3	WINDSHIELD LATCH & BRKT ASS'Y. SGL POST (SET OF L&R)
1	8SV-113-00001	REAR WINDOW ASSEMBLY JD4F
1	8SV-421015L-VC	VINYL FRONT FILLER-L JD3520 (BLACK)
1	8SV-421015R-VC	VINYL FRONT FILLER-R JD3520 (BLACK)
1	9PWA14-16	WIPER ARM, ADJUSTABLE LENGTH (11" - 16")
1	9PWB20-FB	WIPER BLADE, 20", FLEX
1	9PWK-HB	GLASS MOUNTING KIT FOR WIPER SYSTEMS
1	9PWM110	WIPER MOTOR, 110 DEGREE
1	9SV-DP01	DOME PLUG 7/16" (BAG OF 15)
1	9SV-DP04	DOME PLUG 1-1/8" (BAG OF 15)
1	9SV-DP11	DOME PLUG 1/2" (BAG OF 10)
1	9SV-DSTR-2	DOOR STRIKER KIT (SET OF 2)
1	9SV-GSM	GAS SPRING MOUNT (SET OF 2)
1	9SV-GS02A	BALL STUDS, 10MM (BAG OF 10)
1	9SV-GS02Q	GAS SPRING, 12-3/8 EXT, 7-1/2 COMP, 22 LBS, QD END (FOR DOORS) (SET OF 2)
1	9SV-GS07	GAS SPRING, 17-1/8 EXT, 10-1/8 COMP, 45 LBS, STD ENDS (FOR REAR WINDOW) (SET OF 2)
2	9SV-HWS	WINDSHIELD HINGE KIT
1	9SV-HWSS	WINDSHIELD HINGE KIT WITH SHORT SPACER
1	9SV-IHRL	INSIDE HANDLE ROTARY LATCH KIT (INCL. L & R)
1	9SV-OHRL	OUTSIDE HANDLE ROTARY LATCH KIT (SET OF 2)
1	9SV-WH-00004	WIRING HARNESS, SWITCHED POWER (10 AMPS 2 ACCESSORIES MAX)
1	9SV-WL2	WINDSHIELD LATCH KIT 2 - FULLY OPENS W/S
1	8SV-P-00013	UPPER DOOR WINDOW, STANDARD CAB