INSTALLATION & OWNER'S MANUAL

Kubota B01
Premium Cab p/n: 1KB01PR2
Fits Tractor Models: B2301, and B2601
Fits Tractor Model B2401 with conversion kit

While this cab kit was designed to fit on the vehicle(s) 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.

Premium Cab Shown with Optional Front and Rear LED Work Lights

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. Heater (P/N: 9PH20S62)
6. Switch Panel (P/N: 9PSF1)
7. Side View Mirrors (P/N: 9PM5)
8. Rear View Mirror (P/N: 9PM3)
9. Rear Wiper (P/N: 9PWK85F)
10. Conversion Kit for B2401 (1KB2401AK)

Approximate Installation Time *
Experienced Dealer Technician – 8 Hours
Average Dealer Technician – 9 Hours
Do-It-Yourself – 10 Hours

(*=Not including accessories)

Approximate Product Specifications
Floorboard to Roof Height: 62 inches
Weight: 290 lbs.
Cab Width: 41 inches

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

Rev. A, 09/27/2021

p/n: IM-1KB01PR

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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.

NOTICE

Curtis Cabs, blades and general accessories add additional weight to the base vehicle. All Curtis accessory weights are listed in product 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.

WARNING ***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 replace exhaust system. Do not use vehicle until repair or replacement is complete.*

WARNING

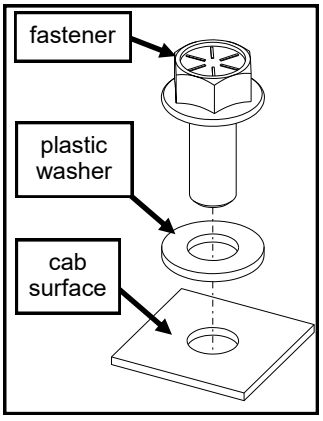
Serious Injury or Death

	This cab enclosure does not provide protection from rollover or other accidents.
	This cab enclosure does not provide protection from flying objects including golf balls.
	This cab enclosure does not provide protection from lightning. When lightning threatens take cover and do not operate vehicle.

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 and 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
- Rubber Mallet or Plastic Dead Blow Hammer
- Center Punch
- Awl
- Test light or Volt Meter
- Drill/Driver
- 3/8", 1/2", and 7/32" Drill Bits
- #2 and #3 Phillips Head Bit
- Utility Knife
- Pair of Scissors
- Shears
- Grease
- C-Clamps
- Silicone Sealant

CAB INSTALLATION

STEP 1: (VEHICLE PREP)

Note: If installing this Cab onto a vehicle with 1-lever quick coupler, make sure to turn off tractor, settle loader to the ground. Actuate all hydraulic controls to relieve hydraulic pressure throughout the system.

Note: For B2401 Tractors, skip steps 1.1 thru 1.4 and proceed to step 1.5 on the next page.

1.1 (B2301 or B2601) Per figure 1.1, remove and discard the cup holder found on the top left fender.

1.2 (B2301 or B2601) Per figure 1.2a, remove and discard the left and right fender handles. Install the hardware listed below into the exposed handle mounting holes found on the vehicle's left and right fender. See fig 1.2b.

Hardware Used	Qty
5/16-18 X 3/4 Flange Head Cap Screw	4
5/16" Plastic Washer	4
5/16-18 Flange Nut	4

1.3 For TLB Models Only:

- Per figure 1.3, remove tool box and mount found on the right side of the ROPS (Rollover Protective Structure) and discard.

1.4 For non-TLB Models Only:

- Per figure 1.4, remove tool box, SMV (slow moving vehicle) sign and SMV mounting bracket and hardware found on the vehicle rear cross brace and discard.

Fig. 1.1 (cup holder - left fender)

Fig. 1.2a (fender handle - right)

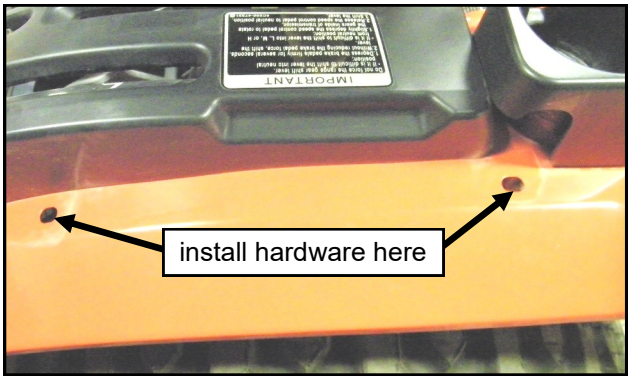


Fig. 1.2b (left fender)

Fig. 1.4 (tool box, SMV sign and mount - rear cross brace)

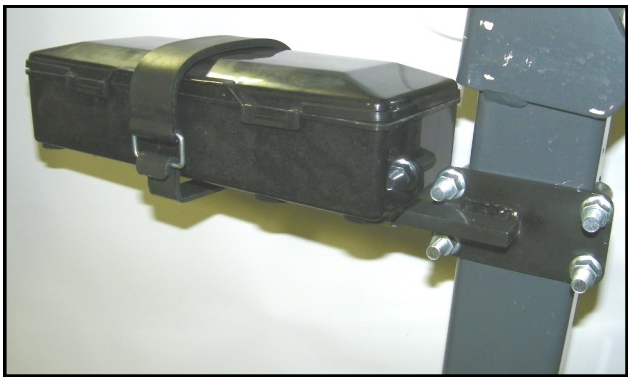


Fig. 1.3 (tool box and mount)

CAB INSTALLATION

STEP 1: (VEHICLE PREP cont'd.))

Note: For B2301 or B2601 Tractors, skip steps 1.5 thru 1.9 and proceed to step 1.10 on the next page.

1.5 Take note of which knobs go with which levers that stick through the fender consoles. Remove the knobs and retain. See Figure 1.5.

1.6 Remove the left or right fender console by removing two 14mm nuts and 10mm screws on the underside of the fender. Remove the fender handle from the console and discard. See Figure 1.6

1.7 Re-attach the bracket underneath the console through the forward handle hole with the bolt, washer and nut listed below and tighten. See Figure 1.7

Hardware Used	Qty
5/16-18 X 3/4 Flange Head Cap Screw	1
5/16" Plastic Washer	1
5/16-18 Flange Nut	1

1.8 Place the console back onto the fender and re-attach with the screws that were removed and one nut on the forward stud of the handle bracket. Make sure the screws are lined up with the bosses in the console. Use the bolt, washer and nut as listed below, through the rear handle hole and through the fender. Tighten all hardware and put the knobs back onto the levers. See Figure 1.8.

Hardware Used	Qty
5/16-18 X 3/4 Flange Head Cap Screw	1
5/16" Plastic Washer	1
5/16-18 Flange Nut	

1.9 Repeat steps 1.5 through 1.8 for the other side.

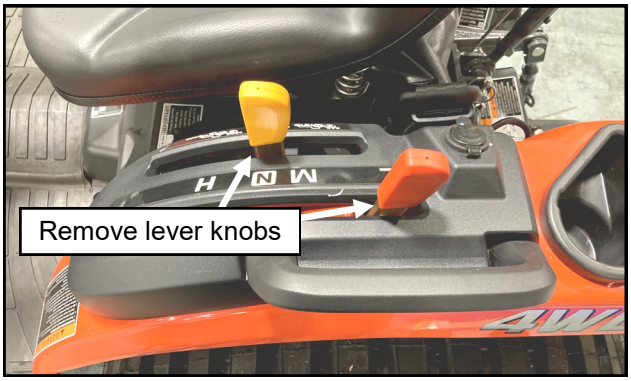


Fig. 1.5 (Fender Console Levers)

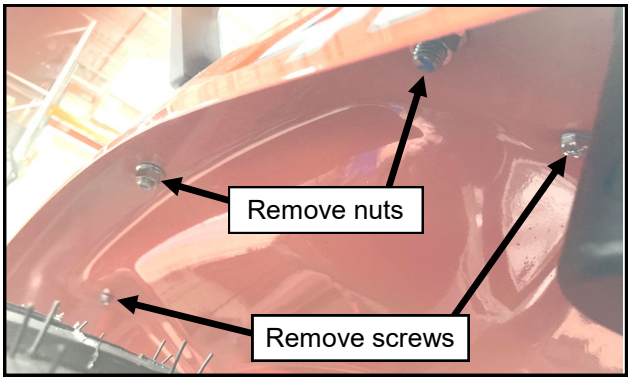


Fig. 1.6 (fender underside, left)

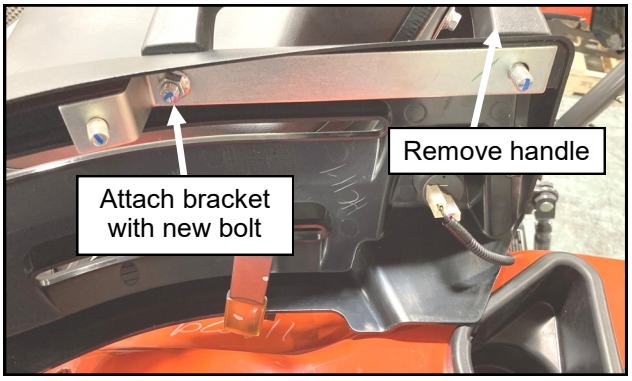


Fig. 1.7 (left fender console bracket)

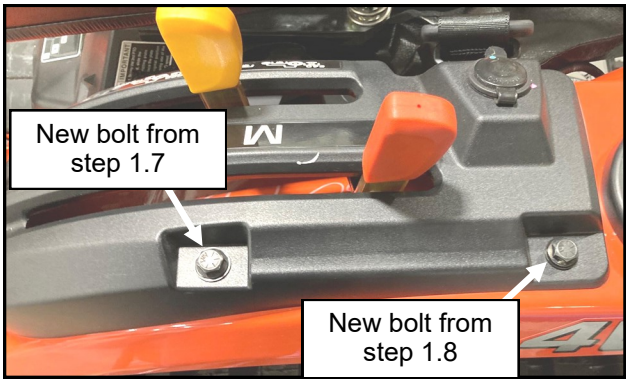


Fig. 1.8 (left fender console with handle removed)

CAB INSTALLATION

STEP 1: (VEHICLE PREP cont'd.)

1.10 (B2301 or B2601 only) Per figure 1.10, remove and discard the middle piece of hardware found on the fenders near the ROPS. If the vehicle includes the hardware closest to the seat, remove and discard.

1.11 Per figures 1.11a and b, disconnect all signal light wires and remove the (2) signal lights from the vehicle and set aside for reuse.

If this cab is being installed onto a vehicle with Kubota's 1-lever quick coupler (see fig. 1.12a), proceed to step 1.12. If not, skip to step 1.13 found on the next page.

1.12 Disconnect all (4) hydraulic hoses from quick coupler per fig. 1.12a. Install the (4) 45 degree elbows provided in the cab's hardware box as shown on figure 1.12b.

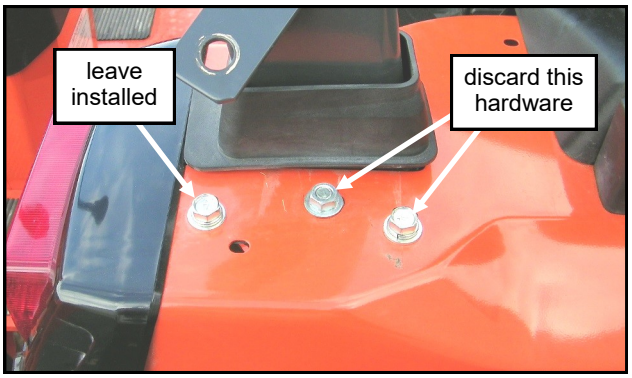


Fig. 1.10 (fender hardware - right)

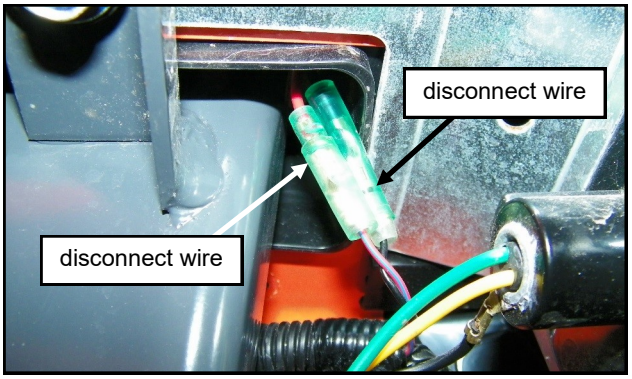


Fig. 1.11a (signal light wires - under the left fender)


Fig. 1.11b (signal light mount - right)

Fig. 1.12b (lever quick coupler, w/ 45 deg fitting - right)

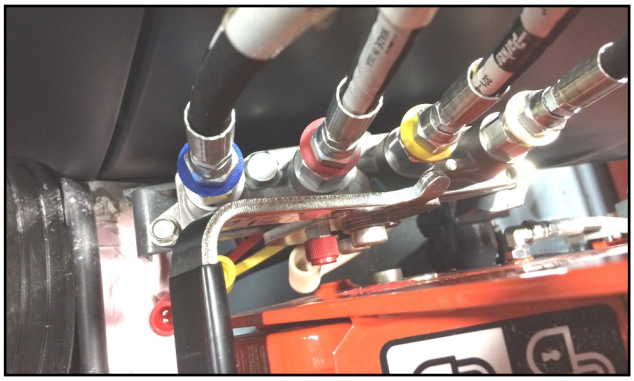


Fig. 1.12a (lever quick coupler - right)

CAB INSTALLATION

STEP 1: (VEHICLE PREP cont'd.)

1.13 Peel up both the right and left sides of the rubber mat. Using a utility knife, remove the (3) outer tabs on both sides of the mat for a total of (6) tabs. See fig–ure 1.13. Re-install both sides of the mat in place.

1.14 Using an awl, feel for the (6) outer holes of the rubber mat and punch holes thru the mat. Drill (6) holes (3/8" diameter) thru the rubber mat. See fig 1.14.

1.15 (B2401 only) Remove the floor mat and set aside for later.

1.16 Remove the ROPS adjustment knob found on the right side of the ROPS. Replace with metric hardware provided. See fig. 1.16.

Hardware Used	Qty
M10 X 25 FHCS	1

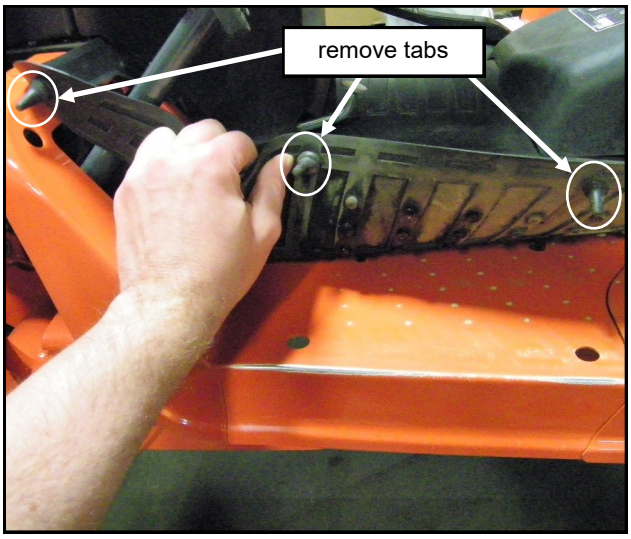


Fig. 1.13 (underside of floor mat - left floorboard)

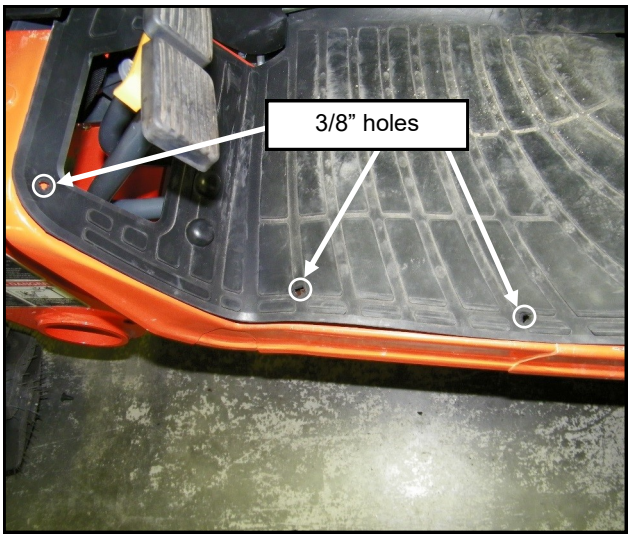


Fig. 1.14 (rubber mat with holes)

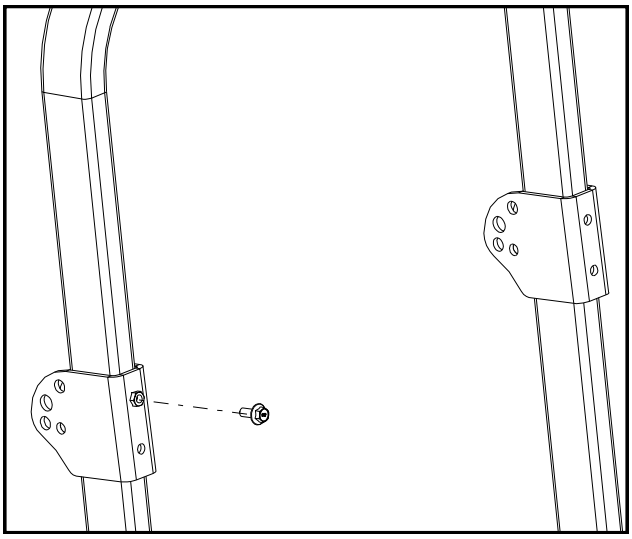


Fig. 1.16 (right side view of ROPS)

CAB INSTALLATION

STEP 2: (SEAL KIT, B2301 or B2601)

For B2401 Tractors, skip to step 3 on the next page.

Note: the flattest side of the flex brush should face down for best fit and finish. Bristles to butt up against each other with NO gaps or overlap unless otherwise stated. When drilling, do not press down too hard. Denting or puckering may occur if too aggressive.

2.1 Install (2) 6” long flex brushes (item “A” in fig 2.1a) to the underside of the left floorboard mount, using (4) plastic tree clips. See figures 2.1a and b. *Note: the (2) brushes on the floorboard mount do overlap.*

2.2 Remove the hardware from forward/rev pedal, set aside the pedal and hardware. See fig. 2.2. Peel back rubber mat.

2.3 Per figures 2.1a and 2.3, install flex brushes as shown on the right floorboard (one “A” brush and one “B” brush). Using the hole pattern in the flex brush as a guide, drill two holes per side (7/32” diameter) thru the sheet metal floorboard. *Note: It is recommended that a spare piece of metal is placed behind where you are drilling to ensure no damage is done to the vehicle.*

2.4 Per figures 2.1a and 2.4, install flex brushes as shown around the differential lock lever found on the left fender (two “C” brushes). Using the hole pattern in the flex brush as a guide, drill two holes per side (7/32” diameter) thru the sheet metal fender.

2.5 Re-install the right side of the rubber mat in place and remount the forward/rev pedal.

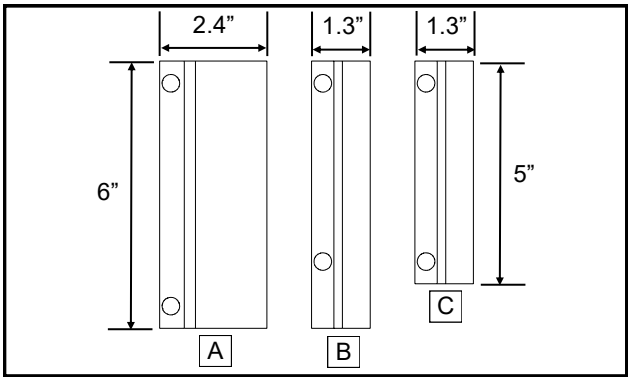


Fig. 2.1a (3 flex brush sizes included in seal kit)

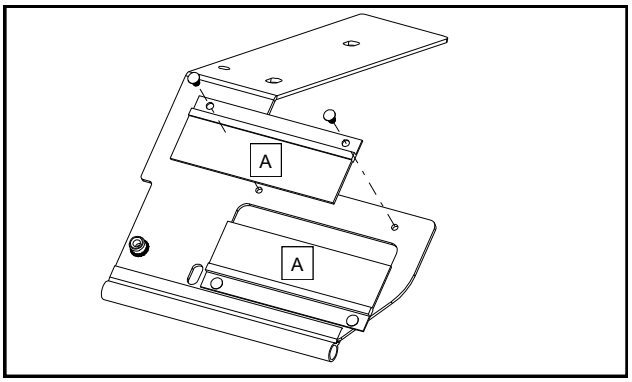


Fig. 2.1b (underside of left floorboard mount)

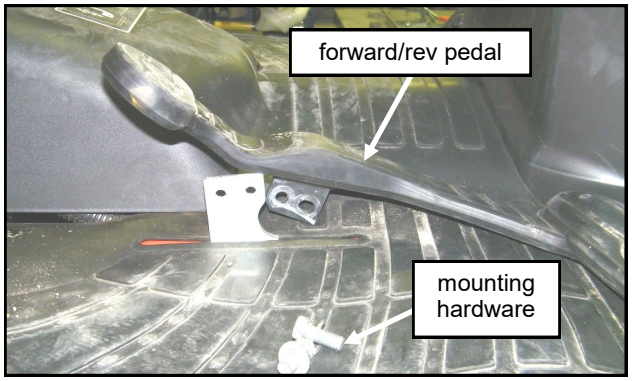


Fig. 2.2 (forward/rev pedal - right floorboard)

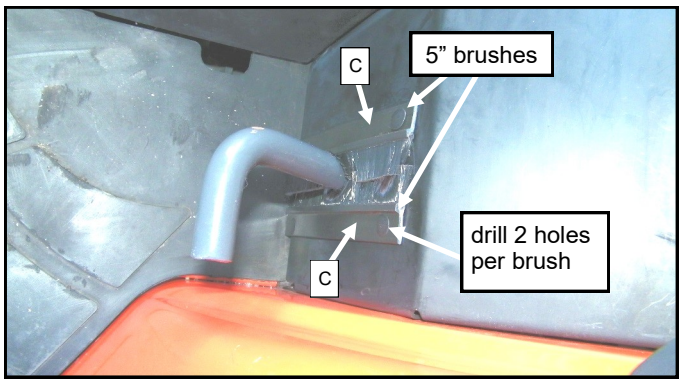


Fig. 2.4 (flex brush installation - differential lock pedal)

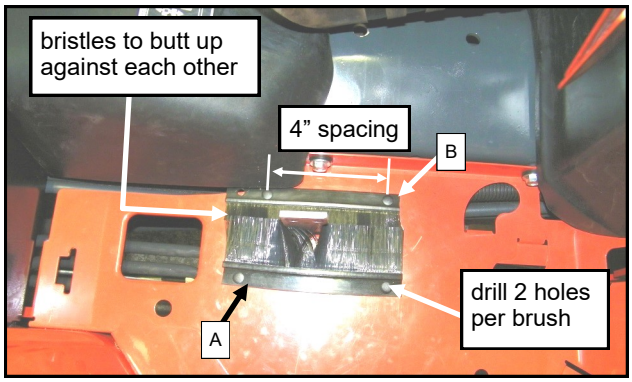


Fig. 2.3 (flex brush installation - forward/rev pedal)

CAB INSTALLATION

STEP 3: (SEAL KIT, B2401 Only)

Note: the flattest side of the flex brush should face down for best fit and finish. Bristles to butt up against each other with NO gaps or overlap unless otherwise stated. When drilling, do not press down too hard. Denting or puckering may occur if too aggressive.

3.1 Install (2) 6” long flex brushes each (item “A” in figure 3.1a) to the underside of the left and right floorboard mount, using (4) plastic tree clips. See figures 2.1a and 3.1b. *Note: the (2) brushes on the floorboard mount **do** overlap. Note: the cab kit contains (3) “A” brushes. The fourth is located in the B2401 Conversion Kit.*

3.2 Locate the three small fillers and strip of adhesive Velcro inside the curtain filler package of the B2401 conversion kit. Attach adhesive Velcro onto all sides of the fillers and cut to length. Leave the backing on.

3.3 Per figure 3.1a, locate two “C” brushes and remove the backing from the tape on the underside of the brush. Per figure 3.3, adhere the brushes to either side of the small lever on the left of the tractor floorboard, to the rear of the hole in the floorboard.

3.4 Per figures 3.2 and 3.4, remove the backing from the “D” filler and adhere it to the floorboard, covering the large hole in the rear left of the floorboard.

3.5 Per figures 3.2 and 3.5, remove the backing from the “E” filler and adhere it to the floorboard and over the lever in the rear right of the floorboard, with the slots in the filler closer to the center of the tractor

3.6 Per figures 3.2 and 3.6, remove the backing from the “F” filler, place it over the lever at the front, right of the floorboard, and adhere it to both the floorboard and the center console.

3.7 Re-install the rubber mat in place.

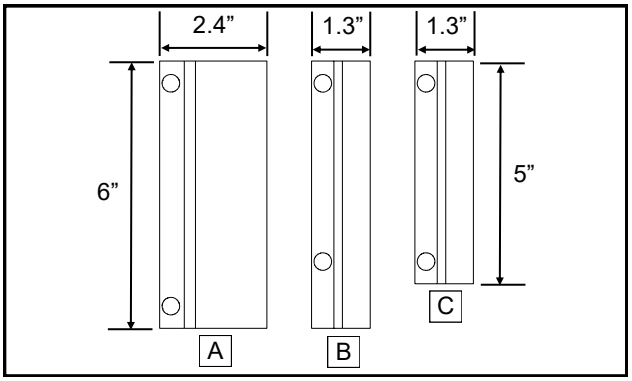


Fig. 3.1a (3 flex brush sizes included in seal kit)

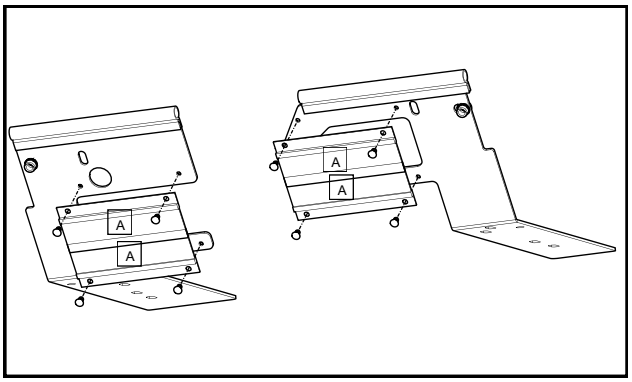


Fig. 3.1b (underside of left floorboard mount)

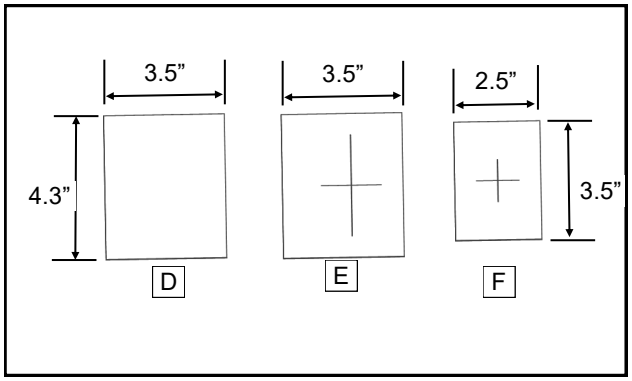


Fig. 3.2 (3 small floorboard fillers included in kit)

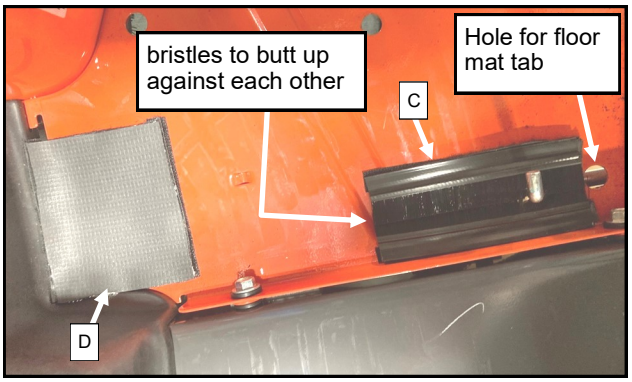


Fig. 3.3 (filler installation, left floorboard)

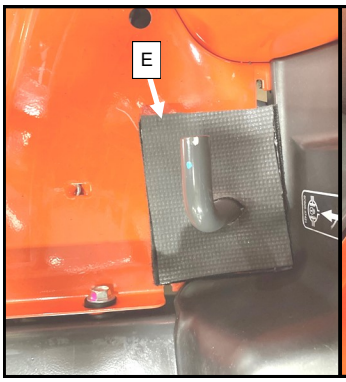


Fig. 3.5 (floorboard filler E)

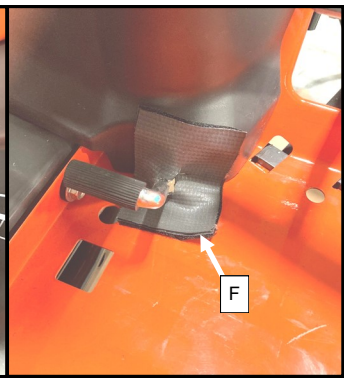


Fig. 3.6 (floorboard filler F)

CAB INSTALLATION

STEP 4: (COWL PLACEMENT & FLOORBOARD MOUNTS)

4.1 Place cowl onto the vehicle's hood. The 1" flat bulb rubber should lay across the dashboard and flex inwards towards the steering wheel as shown in fig. 4.1

4.2 Using the hardware listed below, install the left and right floorboard mounts per fig. 4.2. Note that there are 2 sets of holes 1 for the B2301 and B2601 and the other for the B2401.

Hardware Used	Qty
5/16-18 X 1 FHCS	6
5/16-18 Flange Nut	6

Fig. 4.1 (cowl placement)

Fig. 4.2 (left floorboard mount installation)

STEP 5: (SIDE FRAME PREPARATION)

5.1 For ease of handling, temporarily remove the doors from the side frames. Make sure to also remove the (4) hinge washers and set aside for reuse.

Note: for B2401 tractor models, use the contour panels included with the B2401 adaptor kit and discard the panels included with the cab kit.

5.2 Align the contour panel (see figure 5.2a) to the rear corner and floorboard of the side frame and secure with clamps. See figure 5.2b. Attach the panel with self-drilling screws using the holes in the contour panel as a guide. Repeat for the other side frame.

Hardware Used	Qty
#10 Self-Drilling screws	14

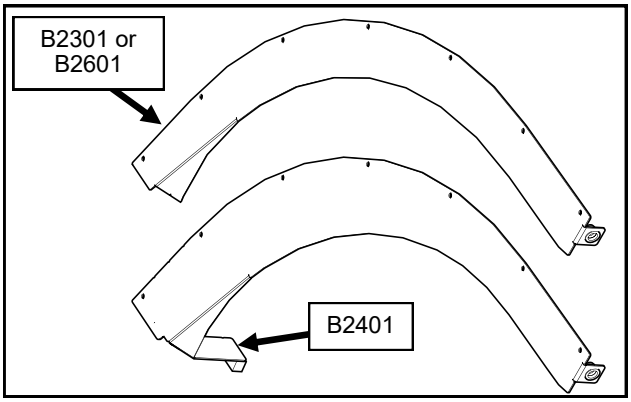


Fig. 5.2a (Identify contour panels, left side shown)

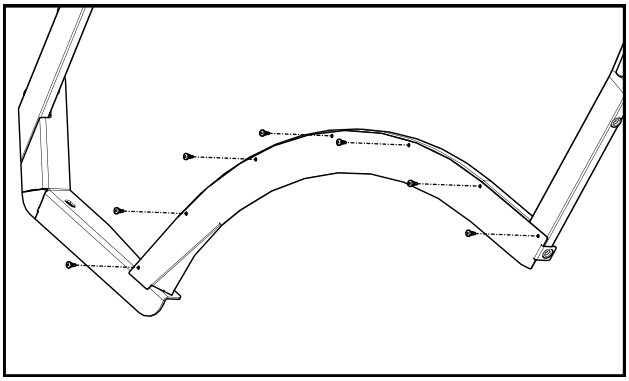


Fig. 5.2b (frame contour panel - left)

CAB INSTALLATION

STEP 6: (SIDE FRAMES/REAR LEGS)

6.1 Using hardware listed below, bolt the left rear leg to the left side frame and then right rear leg to the right side frame. See fig. 6.1.

Hardware Used	Qty
5/16-18 X 3/4 FHCS	8
5/16” Plastic Washer	6

6.2 Starting at the floorboard of the left side frame, install the 1” round rubber provided onto the side frame, continue up the sheet metal edge of the side frame and then onto the rear leg. Cut the rubber flush with the inside rear flange of the rear leg. See fig. 6.2a for B2301 or B2601; see fig. 6.2b for B2401.

Note: Use a rubber mallet or plastic dead blow hammer as needed to secure the rubber onto the side frame and rear leg

6.3 (B2301 and B2601 only) Using hardware listed below, bolt the left fender bracket to the left side frame/ rear leg, making sure to fully tighten hardware down. See fig. 6.3a. Repeat the process for the right fender bracket.

(B2401 only) Using hardware listed below, attach the left lower ROPS bracket to the left side frame / rear leg. Leave hardware finger tight. See fig. 6.3b. Repeat the process for the right lower ROPS bracket.

Hardware Used	Qty
5/16-18 X 3/4 FHCS	2
5/16” Plastic Washer	2

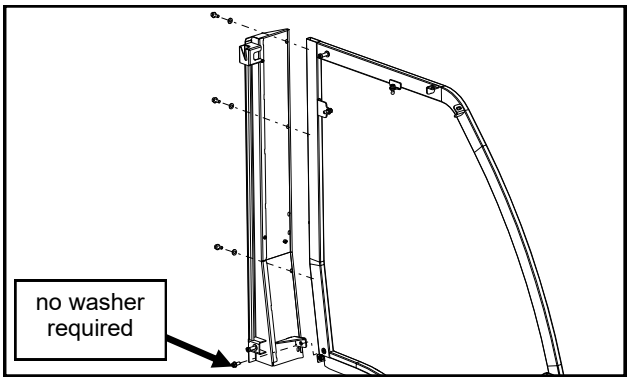


Fig. 6.1 (rear leg to side frame - left)

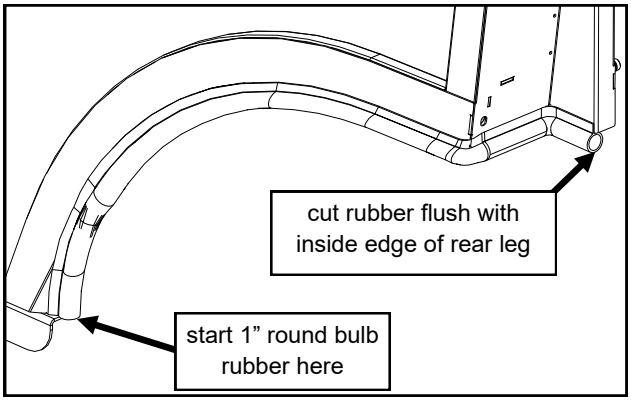


Fig. 6.2a (B2301-B2601: 1” round bulb rubber installed)

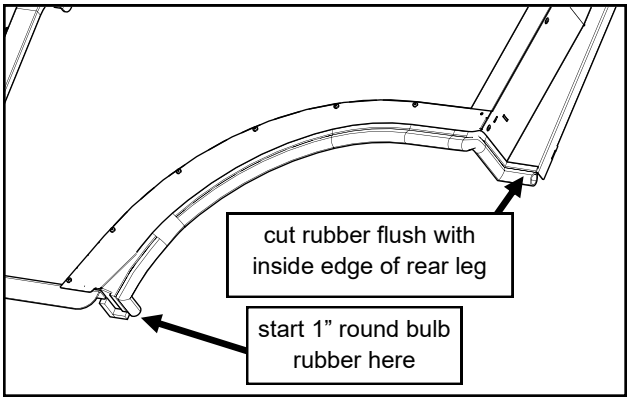


Fig. 6.2b (B2401: 1” round bulb rubber installed)

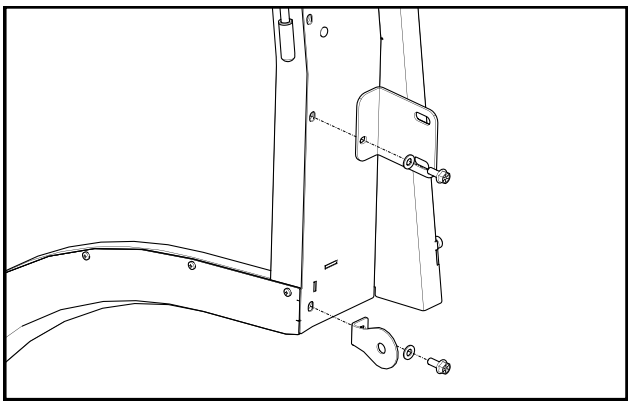


Fig. 6.3b (B2401: lower ROPS bracket installation - left)

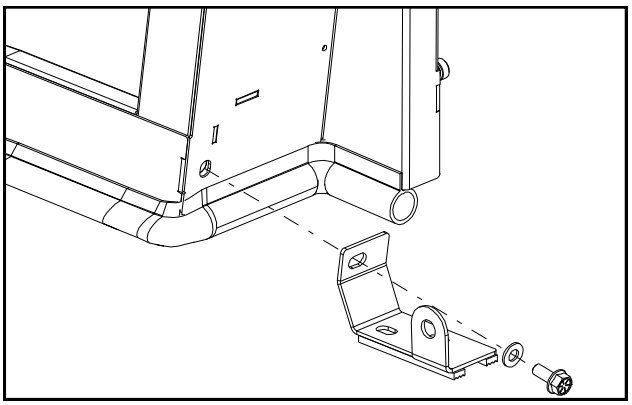


Fig. 6.3a (B2301 or B2601: fender bracket installation - left)

CAB INSTALLATION

STEP 7: (MOUNTING SIDE FRAMES)

7.1 (B2301 or B2601) With assistance, place the left side frame on top of the left floorboard mount and the vehicle's left fender. Fasten the side frame to the floorboard mount and then to the vehicle's fender (requires the longer hardware). Repeat step for the right side frame. See fig. 7.1.

Hardware Used	Qty
5/16-18 X 3/4 FHCS	4
5/16-18 X 1 FHCS	4
5/16-18 Flange Nut	8

7.2 (B2401) With assistance, place the left side frame on top of the left floorboard mount and the vehicle's left fender. Fasten the side frame to the floorboard mount. Attach the lower ROPS mount to the ROPS with 2-1/2" bolts from the inside of the ROPS, with fender washers on both sides. Repeat step for the right side frame. See fig. 7.2.

Hardware Used	Qty
5/16-18 X 3/4 FHCS	4
5/16-18 X 2-1/2 FHCS	4
5/16 x 1" Fender Washer	8
5/16-18 Flange Nut	8

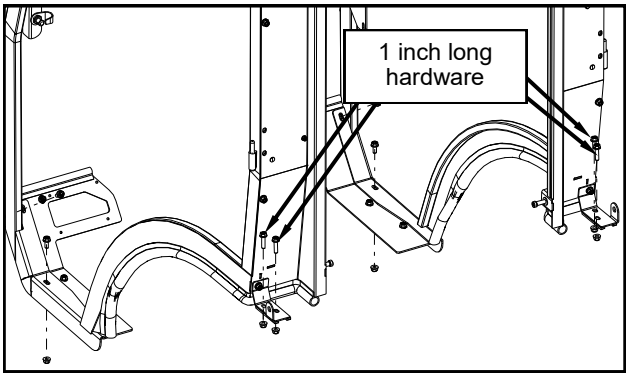


Fig. 7.1 (B2301 or B2601: side frames onto tractor)

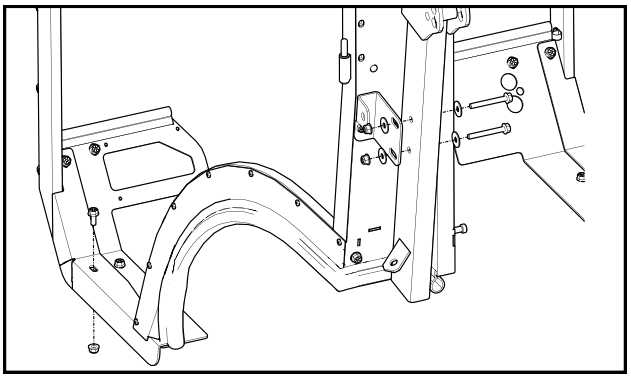


Fig. 7.2 (B2401: side frames onto tractor)

STEP 8: (COWL INSTALLATION)

8.1 Fasten the cowl to the sideframes as shown in figure 8.1. The 1" flat bulb rubber should lay across the dashboard and flex inwards towards the steering wheel. Fasten to the factory installed threaded inserts in each side frame. Starting from the top, install all fasteners finger tight. Next, clamp as shown, tighten upper (2) screws first and then tighten lower (8) screws.

Hardware Used	Qty
5/16-18 X 3/4 FHCS	10
5/16" Plastic Washer	8
5/16-18 Flange Nut	2

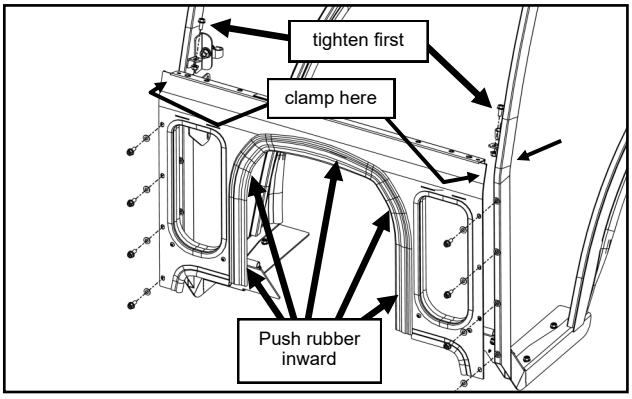


Fig. 8.1 (cowl installation onto side frames)

STEP 9: (ROPS MOUNT)

9.1 Install the left ROPS mount onto left side frame (through the rear leg). Next, install ROPS bracket onto mount—no plastic washer on bracket. See fig. 9.1. Repeat the process for the right ROPS mount and bracket.

NOTE: For B2301 or B2601, attach the mount to the side frame through the outer holes in the mount. For B2401, use the inner set of holes in the mount.

Hardware Used	Qty
5/16-18 X 3/4 FHCS	8
5/16" Plastic Washer	4
5/16-18 Flange Nut	4

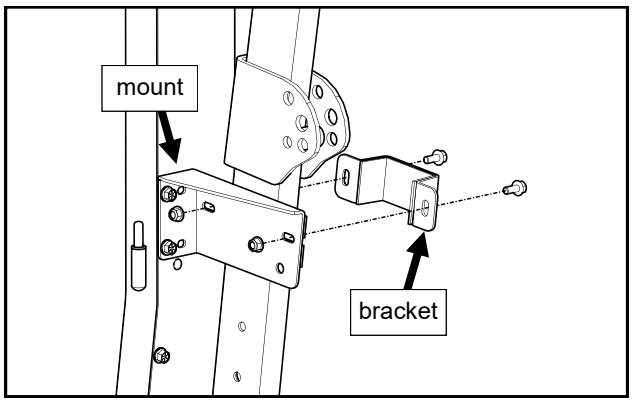


Fig. 9.1 (ROPS bracket installation - left)

CAB INSTALLATION

STEP 10: (SWITCH POWER WIRING HARNESS, B2301 or B2601)

CAUTION: *B2401 models must route wiring on the left side to avoid interference with pedals and connect to optional heater. Skip to step 11 on the next page for wiring for B2401 models.*

10.1 Start by removing both engine side covers.

10.2 From outside the cab, find the right side of the large cut out in the front flange of the tractor floorboard. Check to make sure that location is aligned with the large cut out in the cab floorboard mount. From inside the cab, make a 1/2" hole in the tractor floorboard rubber mat, aligned left to right with the 1" hole in the floorboard mount per figure 10.2. Insert the switch end of the harness (see page 23) from the bottom of the tractor floorboard thru the hole.

Run the switched power wiring harness up the right side of the cowl up to the heater switch location and secure the harness to the cowl using the supplied P-Clips and self-drilling screws. Making sure to leave accessibility to the cowl windows' mounting knob and optional heater if being installed.

Hardware Used	Qty
#10 Self-Drilling screws	2
P-Clips	2

10.3 From the cowl, loosely attach the wire harness down the right side of the engine bay and place inside the right side panel.

10.4 Place the wire harness battery ring terminals near the battery terminals and secure the fuse and relay to factory wire tie mount with wire ties provided as shown. See fig. 10.4.

10.5 Route the purple wire to the fuse block securing with wire ties so that it does not touch any sharp edges, hot exhaust components or moving components. See fig. 10.5.

10.6 Slide provided splice connector onto red wire with blue stripe, cut purple wire to length and then insert into the single sided opening of the connector. Close the connector. See fig. 10.6.

10.7 Disconnect negative and then positive battery cables. Connect the red wire from the harness to the positive side of the battery and the (2) black wires to the negative side.

10.8 Turn the key on and check for power at the male push-on terminals with a test light or volt meter.

10.9 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. See fig. 10.4.

10.10 Replace engine side covers, being careful not to dislodge the purple wire.

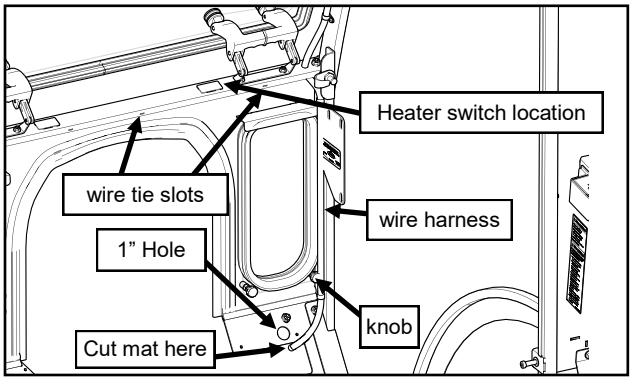


Fig. 10.2 (wire harness installation onto cowl)

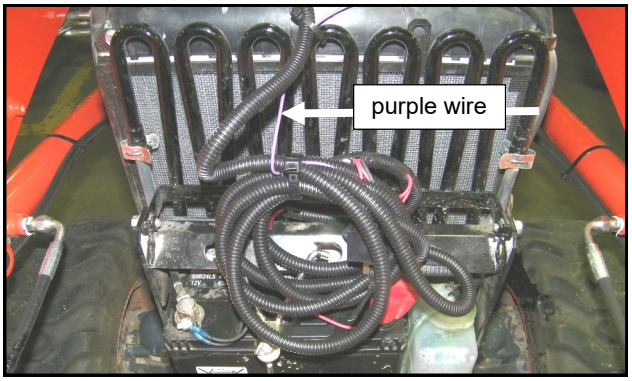


Fig. 10.4 (wire harness - engine bay of tractor)

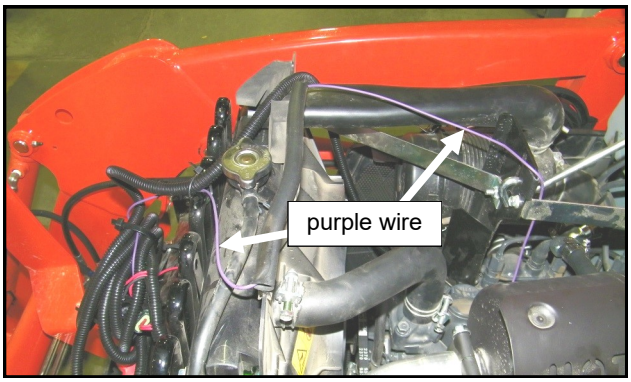


Fig. 10.5 (wire harness - left side of engine bay)

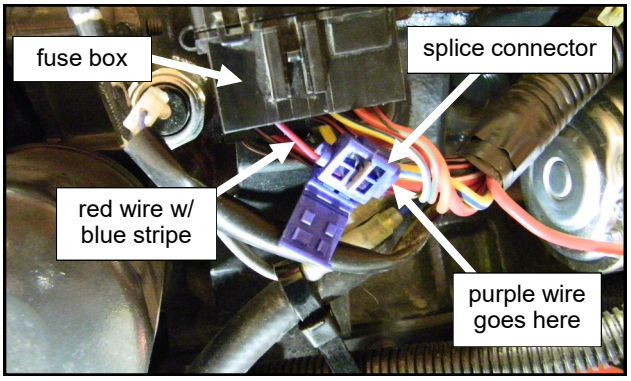


Fig. 10.6 (fuse box - left side of engine bay)

CAB INSTALLATION

STEP 11: (SWITCH POWER WIRING HARNESS, B2401)

11.1 Start by removing both engine side covers.

11.2 Per figure 11.2, feed the switch end of the switched power harness (see page 23) along with the purple wire from the right side of the tractor to left, behind the engine.

11.3 Per figure 11.3, remove the smaller plug from the front of the cowl and feed the switch end of the harness thru the hole. Run the switched power wiring harness up to the heater switch location and secure the harness to the cowl using a wire tie in the slot. Make sure to leave accessibility to the cowl windows' mounting knob and optional heater if being installed.

11.4 Route the wires along the right side of the tractor away from any moving parts, toward the front of the tractor, and secure with wire ties. See fig. 11.4.

11.5 Place the wire harness battery ring terminals near the battery terminals and secure the fuse and relay to with wire ties provided. See fig. 11.5.

11.6 Route the purple wire to the fuse block securing with wire ties so that it does not touch any sharp edges, hot exhaust components or moving components. Slide provided splice connector onto red wire with blue stripe, cut purple wire to length and then insert into the single sided opening of the connector. Close the connector. See fig. 11.6.

11.7 Disconnect negative and then positive battery cables. Connect the red wire from the harness to the positive side of the battery and the (2) black wires to the negative side.

11.8 Turn the key on and check for power at the male push-on terminals with a test light or volt meter.

11.9 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. See fig. 11.5.

11.10 Replace engine side covers, being careful not to dislodge the purple wire.

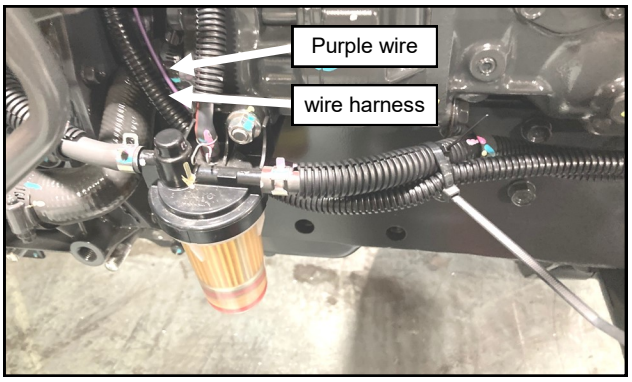


Fig. 11.2 (wire harness - right side of engine bay)

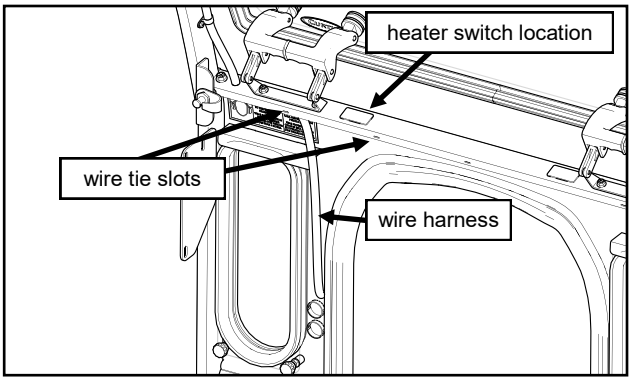


Fig. 11.3 (wire harness installation onto cowl)

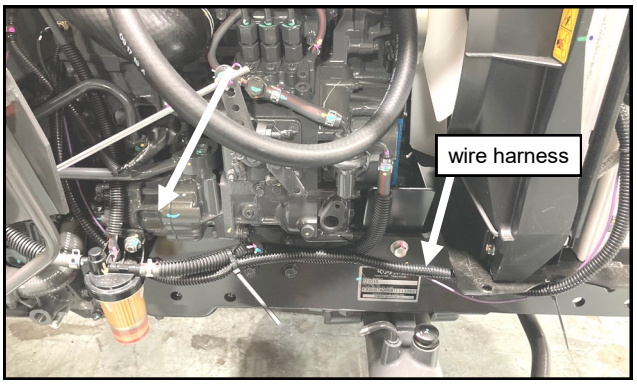


Fig. 11.4 (wire harness - right side of engine bay)

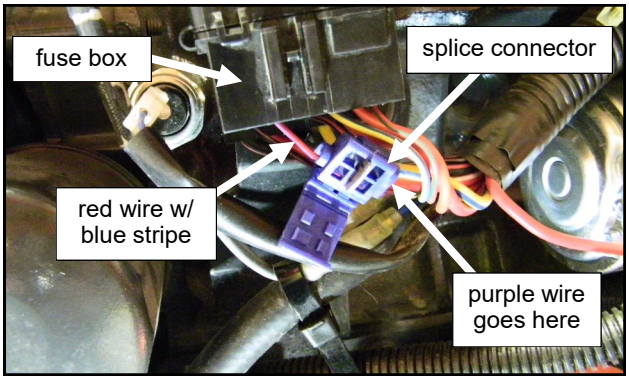


Fig. 11.6 (fuse box - left side of engine bay)

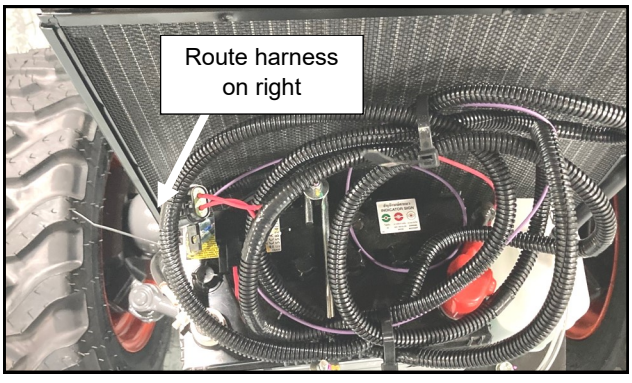


Fig. 11.5 (wire harness - engine bay of tractor)

CAB INSTALLATION

STEP 11: (WINDSHIELD SUPPORT)

11.11 Install windshield support, inserting the (2) carriage bolts thru the top flange and the (2) Flange Hex Screws and Plastic washers thru the bottom flange. See fig. 11.11.

Hardware Used	Qty
5/16-18 X 1 Carriage Bolt	2
5/16-18 X 3/4 FHCS	2
5/16-18 Flange Nut	4
5/16” Plastic Washer	2

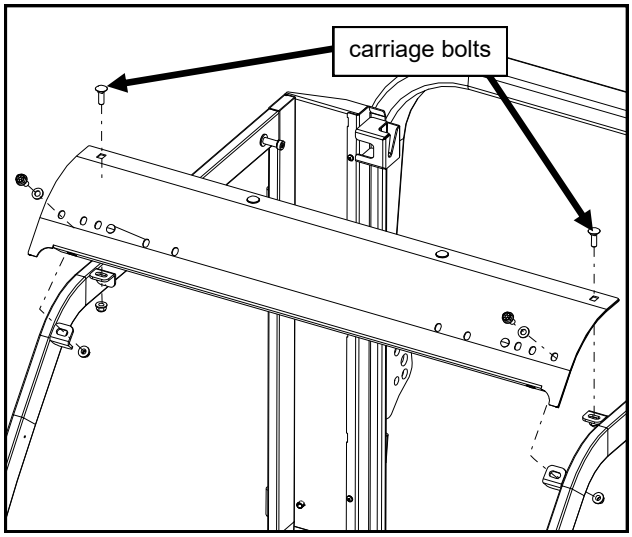


Fig. 11.11 (windshield support installation)

STEP 12: (WINDSHIELD)

12.1 Install the windshield to the windshield support using (1) plastic spacer block underneath each upper plastic hinge to space it off the windshield support. Snug fasteners, but **do not tighten fully**. See fig. 12.1.

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

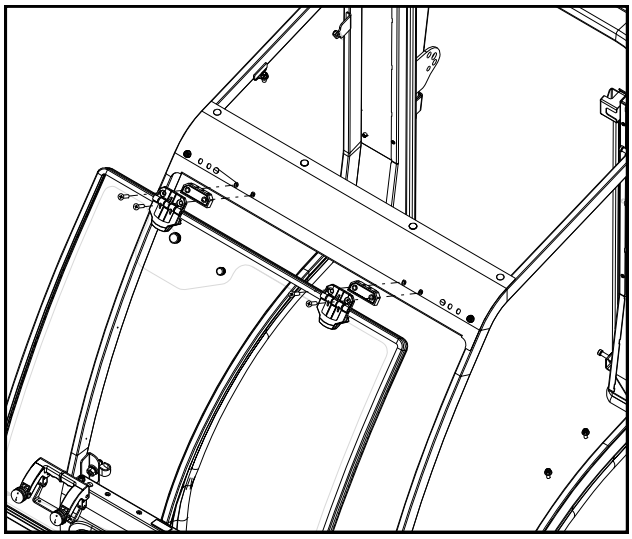


Fig. 12.1 (windshield installation)

12.2 Fasten pop-out latch brackets to cowl with the pop-out latches open. See Fig. 12.2. Tighten latch bracket hardware.

Hardware Used	Qty
1/4-20 X 3/4 FHCS	4

12.3 Lift up on the bottom of the windshield while closing pop-out latches. Tighten windshield hinge and windshield support fasteners.
Caution: *The windshield hinges are plastic components. Do not over tighten the 5/16-18 flat head screws.* ***Torque to 7 ft.-lbs. max.***

12.4 Ensure windshield opens and closes properly.
Note: 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.

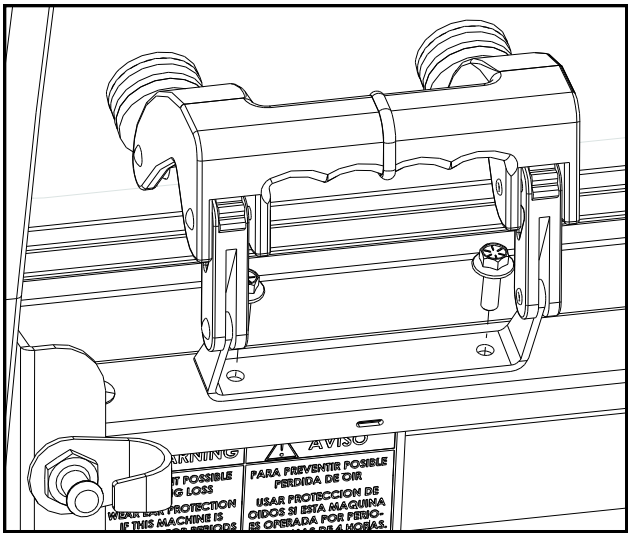


Fig. 12.2 (windshield latch installation - left)

CAB INSTALLATION

STEP 14: (ROOF)

13.1 With assistance, lift the roof onto the side frames. See fig. 13.1. Take care not to engage the quick release latches with the side frame latch pins.

Move the roof into position so that the quick release latches are engaged into the latch pins found on the side frames.

13.2 Once the roof is in place, install the left hinge pin and then the right hinge pin. See fig. 13.2. Ensure that the roof is square to the side frames and tighten hinge fasteners.

Hardware Used	Qty
1/4-20 X 3/4 FHCS	4
1/4-20 Flange Nut	4

13.3 Disengage the roof latches, manually lift the roof, and install the gas shocks. See fig. 13.3**.** Note: Orient the gas shocks so that the piston rod is pointing down for best, continuous seal lubrication and longest gas shock life.

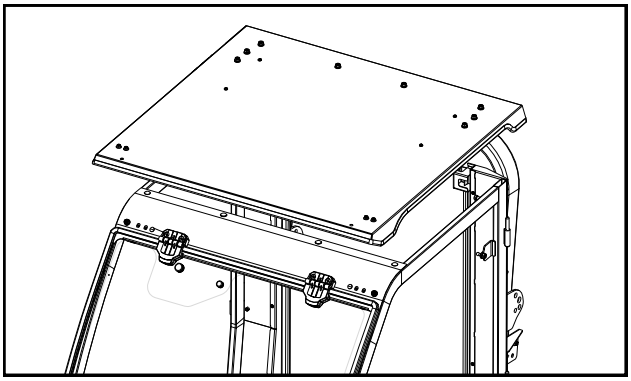


Fig. 13.1 (roof installation)

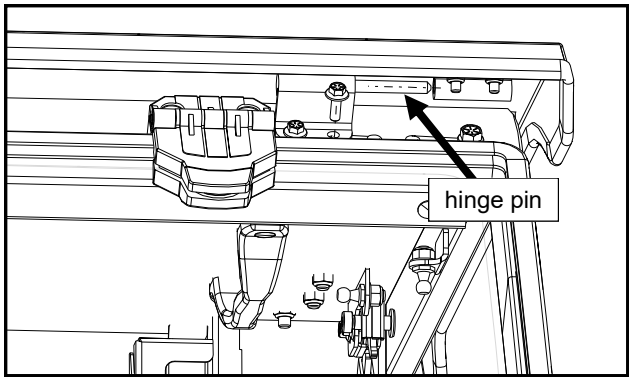


Fig. 13.2 (roof hinge - left)

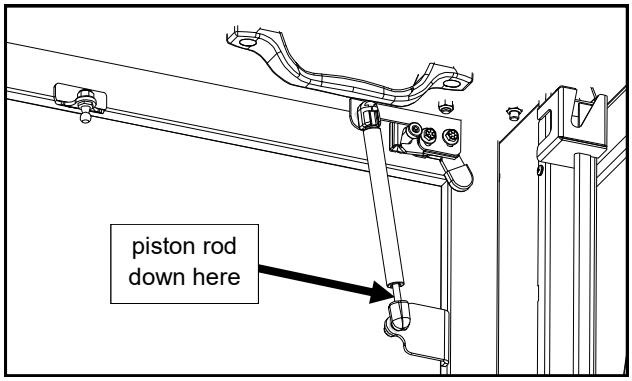


Fig. 13.3 (roof gas shock installation)

STEP 14: (REMOVABLE REAR PANEL)

14.1 Before installing the rear panel, lift the pop-up roof by pressing up on the yellow lever on the quick release latches. It may help to pull down slightly on the grab handles while releasing the latches.

14.2 Lift rear panel and insert the upper pins into the receivers on the rear legs. Engage the lower quick release latches at this time. See Fig. 14.2.

Note: The quick release latches require (2) clicks to be fully locked. Press the rear panel in from the outside in these locations to double click the latches.

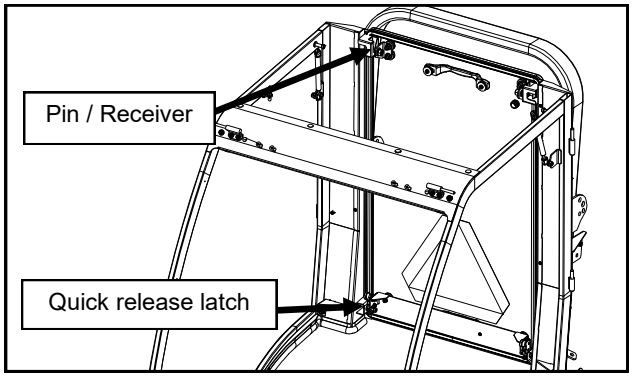


Fig. 14.2 (rear panel installation)

CAB INSTALLATION

STEP 15: (TIGHTEN ALL FASTENERS)

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

STEP 16: (UNDER SEAT FILLER)

NOTE: for B2301 or B2601 tractors, use the under seat filler included with the cab kit. For B2401 tractors, use the under seat filler included in the B2401 conversion kit.

16.1 Move and tip the seat forward. Figures 16.1a and 16.1c thru 16.1e show the under seat filler. Begin by doing a dry fit to get a feel for where all areas fit best (under seat filler edges highlighted in white for clarity). Start by lining up straight edge “A” (in fig. 16.1a) with the bottom of the removable rear panel. Apply the corresponding Velcro where deemed necessary and to match the Velcro on the vinyl filler. Do not cover up any factory decals. *Note: make sure to cut Velcro between the removable rear panel and rear legs. Also, slots are for seat belts to pass through on non-TLB vehicles only.*

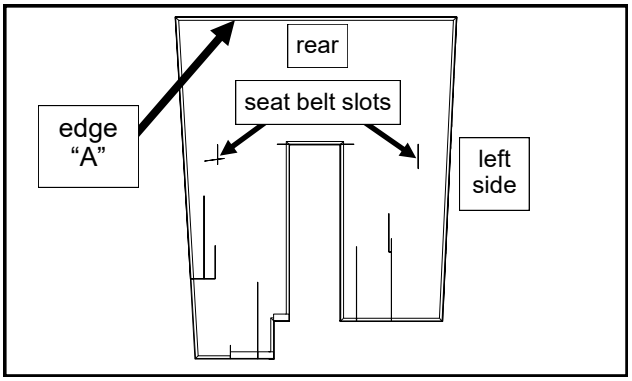


Fig. 16.1a (underseat filler)

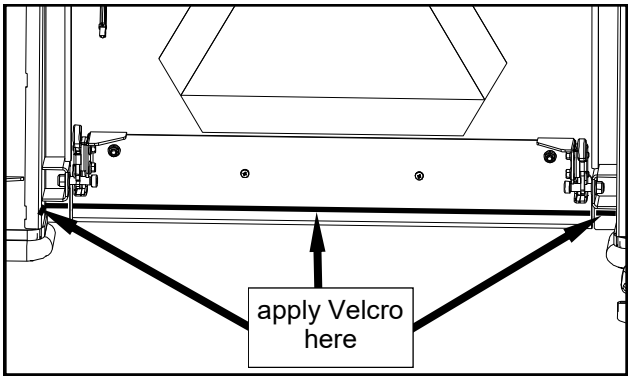


Fig. 16.1b (Velcro installation - rear panel and legs)

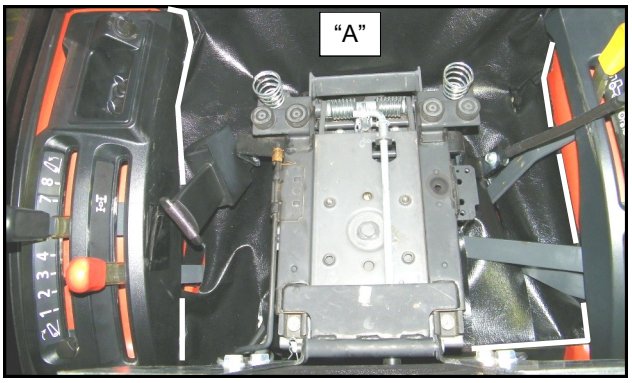


Fig. 16.1c (underseat filler installation)

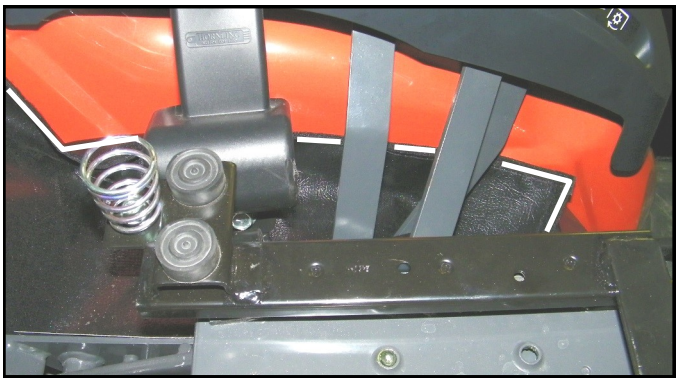


Fig. 16.1e (under seat filler, left fender)

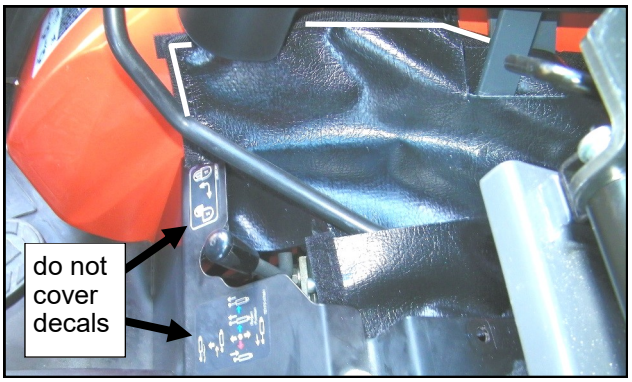


Fig. 16.1d (under seat filler, right fender)

CAB INSTALLATION

STEP 17: (WIPER KIT)

17.1 Install the front windshield wiper motor arm and blade per the installation instructions included with the wiper kit.

IMPORTANT: wires for the B2401 tractor must be routed down the left side of the cab, to avoid interference with tractor pedals and (optionally) connect to a left mounted heater. Follow the same steps with the wiring on the left side and connect to the main wiring that was mounted on the left per Step 11 on page 14.

17.2 Apply the wire loom to the wiper harness. Remove (2) of the side dome plugs, one on the windshield support and the other on the top flange of the cowl. See figures 17.2a and b.

17.3 Connect the wiper wire harness to the wiper motor.

17.4 Secure the wire loom to the wire tie slot found on the windshield support and run the wire loom thru the hole found on the windshield support. See fig. 17.4.

17.5 Per figures 17.2a, 17.2b and 17.4, secure the wiper harness to the right side frame with P-Clips and self-drilling screws. Making sure that there is enough clearance between the wire loom and closed windshield.

Hardware Used	**Qty**
#10 Self-Drilling screws	3
P-Clips	3

17.6 Run the wire loom thru the top flange of the cowl and over the switched power wire harness. See figure 17.2b. Cut the wiper harness to length, allowing enough room to connect the wiper harness to the switched power wire harness. Crimp on the (2) female push-on terminals from wiper wiring kit and connect to the switched power wire harness push-on terminals by matching colors.

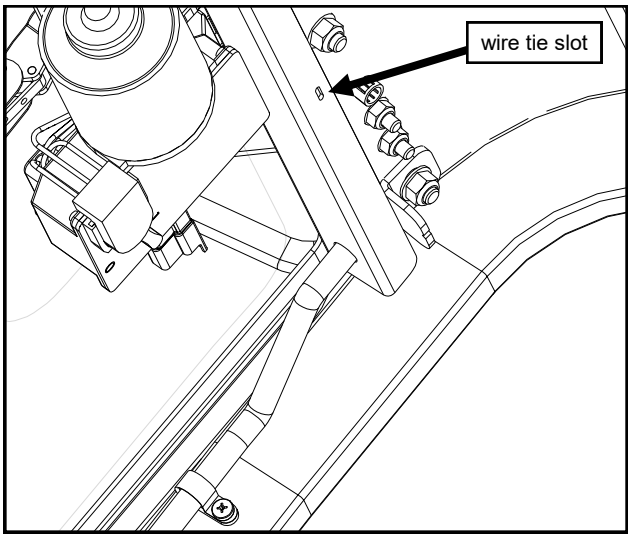


Fig. 17.2a (run wire loom thru windshield support - right)

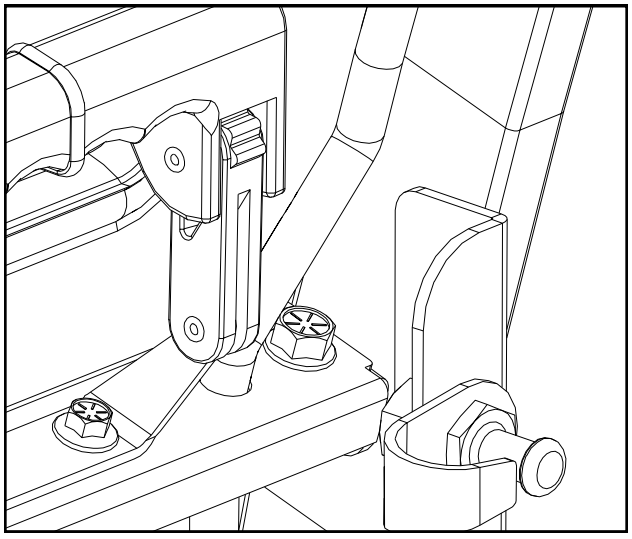


Fig. 17.2b (run wire loom thru cowl - right)

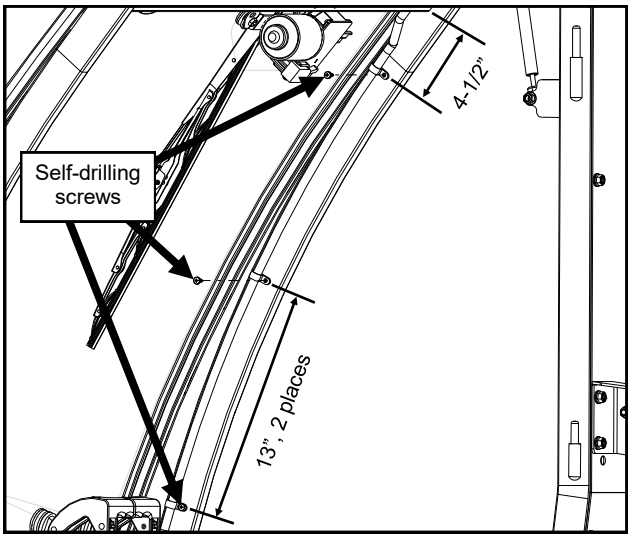


Fig. 17.4 (wire loom installation on sideframe - right)

CAB INSTALLATION

STEP 18: (DOORS)

18.1 Start out by applying grease to the hinge pins, reinstall all (4) door hinge washers per fig. 18.1. Reinstall the doors into their respective hinge sleeves located on the sideframes. See fig. 18.2c.

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

18.2 The doors should “double click” for full engagement and proper closure. If necessary, make the following adjustments in this order:

- Adjust the striker pin on the sideframe vertically - See fig. 18.2a
- Adjust the latch located inside the door horizontally - See fig. 18.2b
- Adjust the hinges located at the rear of the door - See fig. 18.2c

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

18.3 Install the door gas shocks oriented so that the piston rod is pointing downhill (toward door) for best, continuous seal lubrication and longest gas shock life. See fig 18.3.

18.4 Once the doors are properly adjusted, lubrication (preferably grease) can be applied to the door striker pins and door latch assemblies.

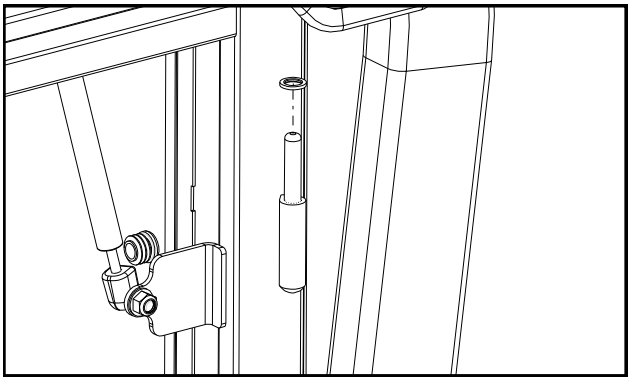


Fig. 18.1 (door hinge washer installation)

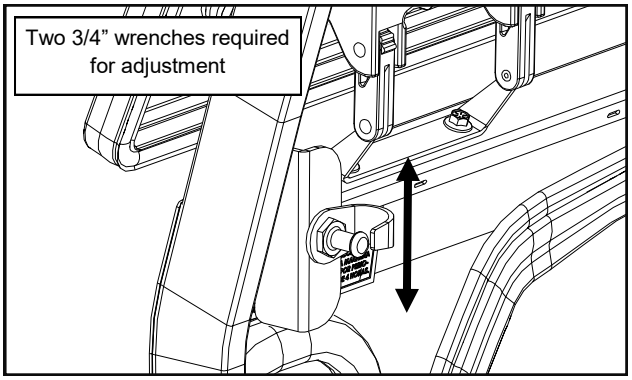


Fig. 18.2a (door striker pin adjustment)

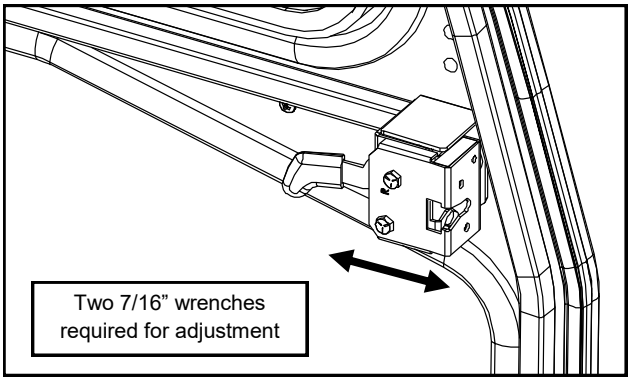


Fig. 18.2b (door latch adjustment)

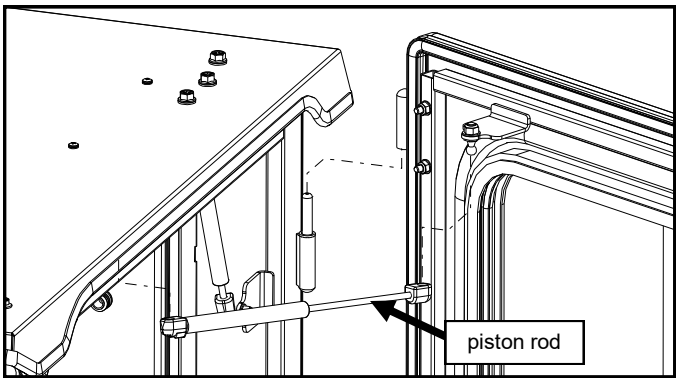


Fig. 18.3 (gas shock installation - left)

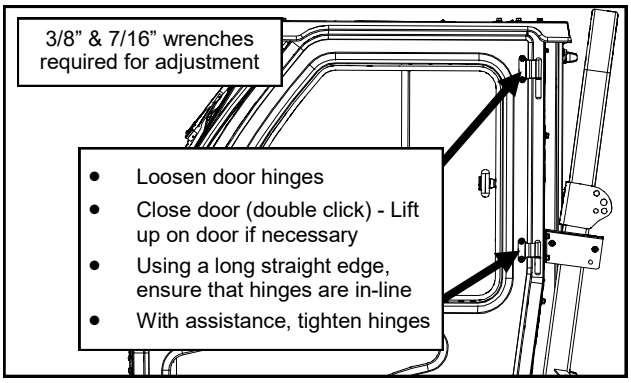


Fig. 18.2c (door hinge adjustment)

CAB INSTALLATION

STEP 19: (TURN SIGNAL LIGHTS)

19.1 Re-install turn signal lights to the cab's fender brackets (B2301 or B2601) or signal light brackets (B2401) using the O.E.M. (original equipment manufacturer) hardware. See fig. 19.1. Reconnect the wiring.

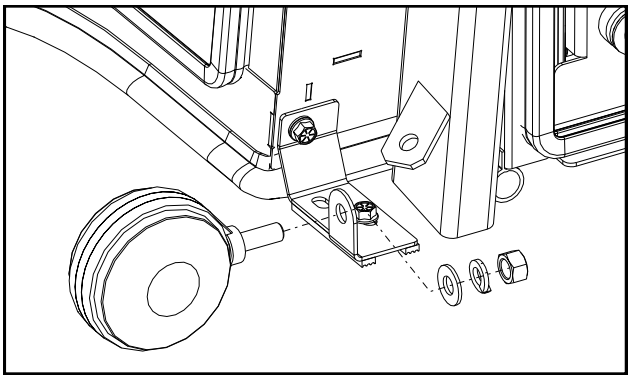


Fig. 19.1 (re-install turn signal lights - left fender)

STEP 20: (ROPS WARNING DECAL)

20.1 Install ROPS warning decal on the left side of the right ROPS tube just below the previously installed ROPS mount. See fig. 20.1.

Note: for B2401 tractors, install the ROPS warning decal below the lower ROPS bracket.

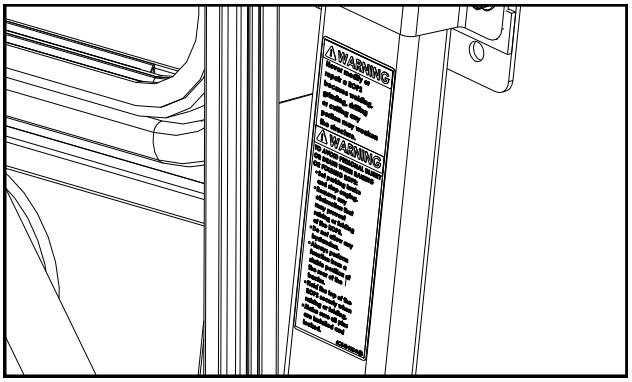


Fig. 20.1 (ROPS warning label installation)

STEP 21: (FINISHING TOUCHES)

21.1 Cut the supplied 6" long strip of rubber foam in half. Place (1) piece of the rubber foam between the 1" Round Bulb and floorboard per fig. 21.1, on both the left and right fenders and trim in place.

21.2 Remove caution label from inside of windshield. See fig. 21.2.

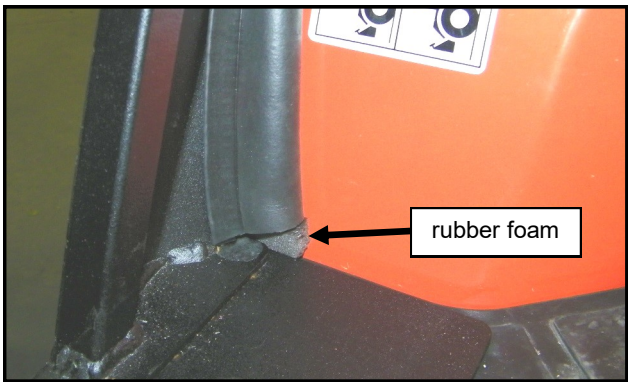


Fig. 21.1 (rubber foam installed on right fender)

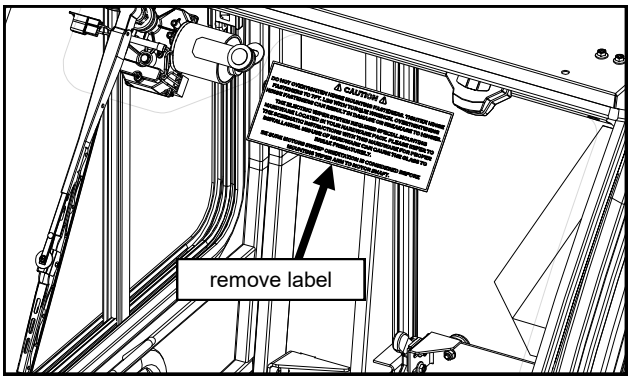


Fig. 21.2 (windshield caution label)

CAB FEATURES & OPERATION

POP-OUT WINDSHIELD

Your B01 series 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 B01 series 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 sideframe and lift. Also, remove the hinge washers and store in a plastic bag. *Store the doors in a safe location to prevent damage.*

Pop-Up Roof

This cab features a hinged and gas shock supported roof. This feature allows for backhoe operation on B01 Series models, as well as provides additional ventilation on all vehicle models.

To operate the roof, press up on the yellow lever on the quick release latches. It may help to pull down slightly on the grab handles while releasing the latches.

To lock the roof in the down position, simply pull down on the plastic grab handles until each latch has double clicked. *Note: Pull down on each handle at the same time to ensure accurate positioning of the latches.*

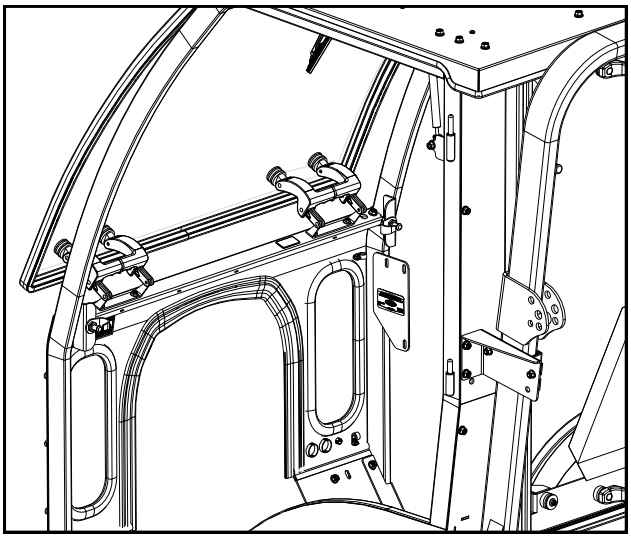
REMOVABLE REAR PANEL

In order to use the backhoe on B01 series vehicles, some conversion of the cab is necessary. First raise the roof per the instructions above then remove the rear panel.

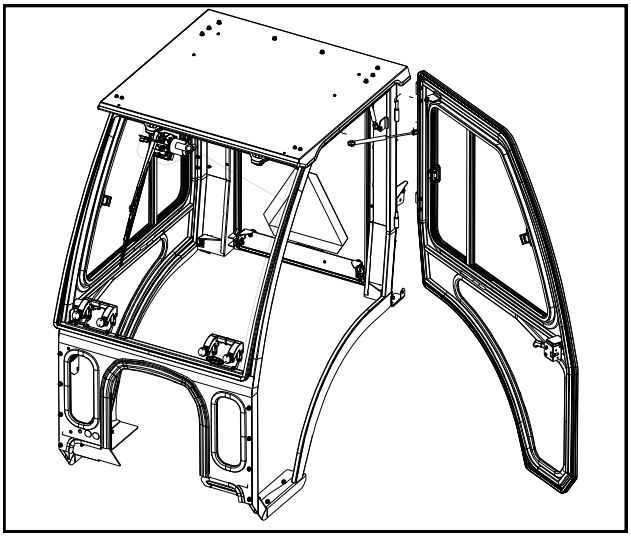
To remove the rear panel:
1) Detach the underseat filler off of the Velcro found on the rear panel.
2) Release the two latches towards the bottom of the rear panel. *It may be necessary to push out on the lower section of the rear panel to prevent the latches from re-engaging.*
3) From outside of the cab, lift up on the rear panel and pull towards the backhoe.

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

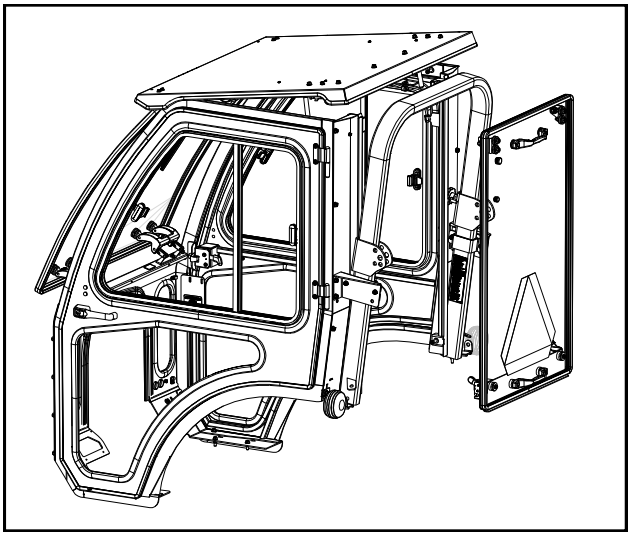
To reinstall the rear panel, align the pins at the top with the receivers on the rear legs and drop into place. Push in on the lower corners of the rear panel to ensure double latching of the quick release latches. Re-apply the underseat filler Velcro to the rear panel.



Pop-Out Windshield



Lift-Off Doors



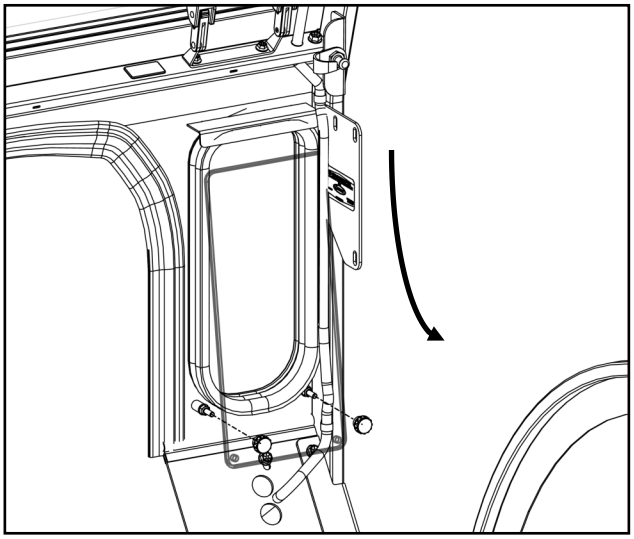
Removable Rear Panel

CAB FEATURES & OPERATION

REMOVABLE COWL WINDOWS

In order to use the loader arm controls on B2301 & B2601 model vehicles, some conversion of the cab is necessary.

To remove a cowl window:
1) Remove and set aside window mounting knobs.
2) Pull the bottom of the window out to clear the window mounting threads.
3) To fully remove the window, pull the window out of the upper bracket.

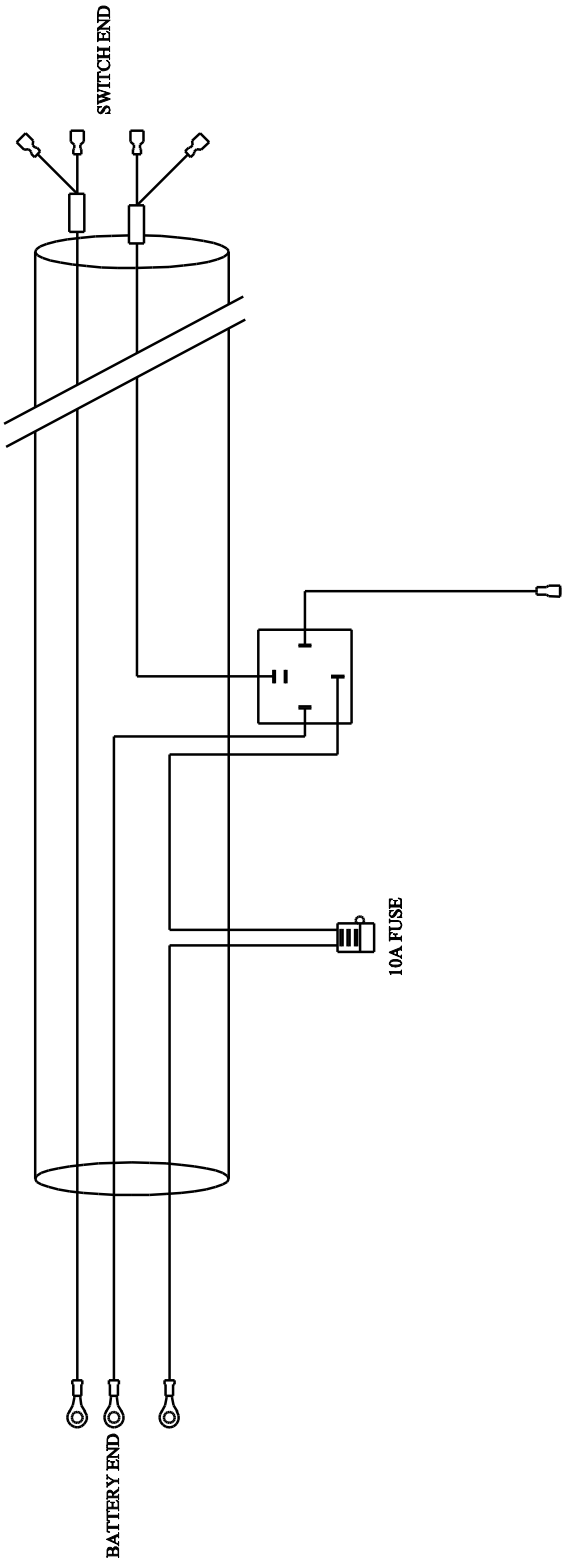


Cowl Window

CARE AND MAINTENANCE

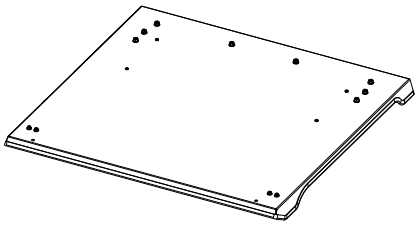
- Re-apply lubrication (preferably grease) periodically as needed to the door striker pins, door latch assemblies, and the door hinges.
- Check and tighten hardware after 40 hours of operation. Periodically inspect and tighten hardware for the remainder of the unit's life.
- Wash the painted surfaces of the cab with commercial automotive cleaning products.
- Clean glass windows with glass cleaner. *Note: Some windows on the cab are acrylic or polycarbonate.* **DO NOT** clean acrylic or *polycarbonate* 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.
- Clear vinyl can be easily scratched. Be careful cleaning frost or snow from rear curtain. Do not roll curtains in cold weather. The curtain becomes stiff and may crack. Keep curtain clean.

SWITCHED POWER WIRING HARNESS
(P/N: 9SV-WH-00004)

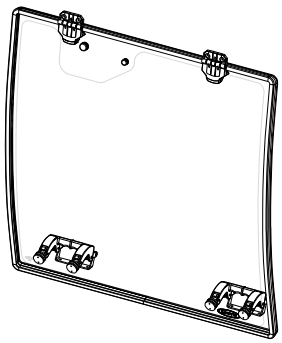


KUBOTA B01 PREMIUM CAB PARTS
(P/N 1KB01PR2)

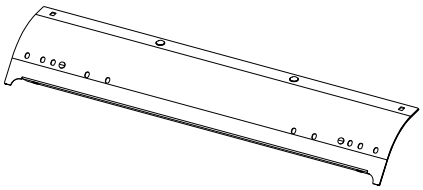
ROOF ASSEMBLY
P/N: 8SV-101-00005



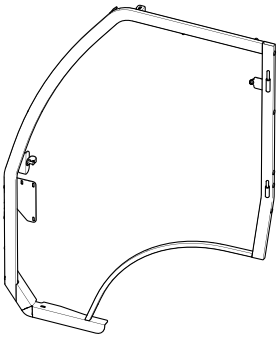
WINDSHIELD ASSEMBLY
P/N: 8SV-102-00009



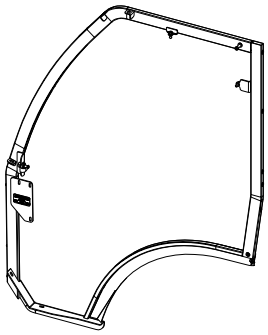
WINDSHIELD SUPPORT ASSEMBLY
P/N: 8SV-103-00005



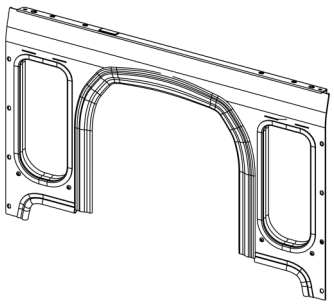
SIDE FRAME ASSEMBLY, LEFT
P/N: 8SV-109-00005-L



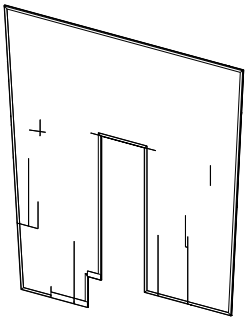
SIDE FRAME ASSEMBLY, RIGHT
P/N: 8SV-109-00005-R



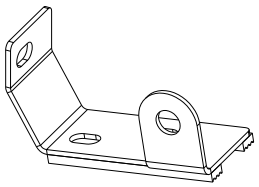
COWL ASSEMBLY, KB0119
P/N: 8SV-105-00024



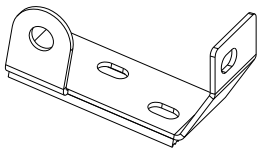
UNDER SEAT FILLER
P/N: 8SV-112-00016



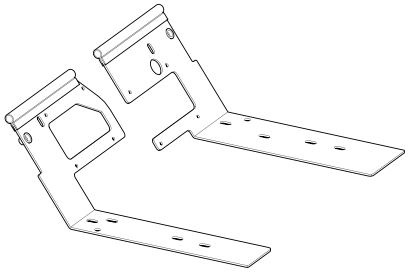
SIDE FRAME, FENDER BRACKET, LEFT
P/N: 8SV-113-00023-L



SIDE FRAME, FENDER BRACKET, RIGHT
P/N: 8SV-113-00023-R

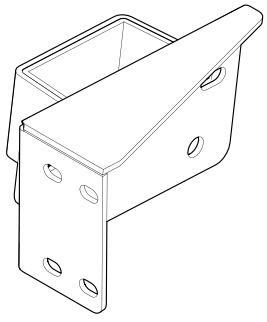


FLOORBOARD MOUNT, RIGHT
P/N: 8SV-113-00019-R

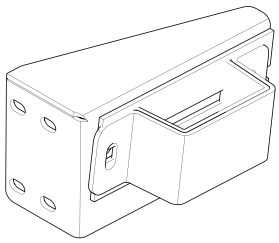


FLOORBOARD MOUNT, LEFT
P/N: 8SV-113-00019-L

ROPS MOUNT W/ CLAMP, LEFT
P/N: 8SV-110-00016-L

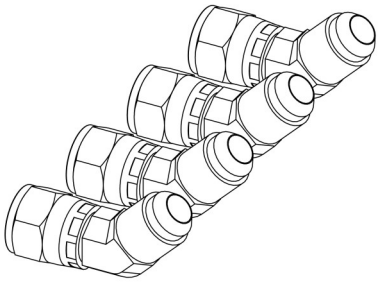


ROPS MOUNT W/ CLAMP, RIGHT
P/N: 8SV-110-00016-R

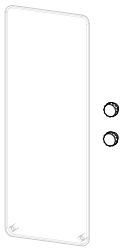


KUBOTA B01 PREMIUM CAB PARTS (P/N 1KB01PR2)

#6 45 DEG ELBOW (SET OF 4)
P/N: 9SV-HYD-00059

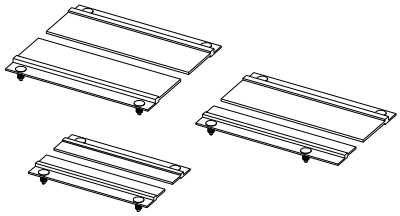


COWL WINDOW, LEFT W/ (2) KNOBS
P/N: 9SV-P-00146

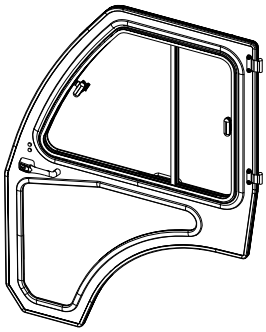


COWL WINDOW, RIGHT W/ (2) KNOBS
P/N: 9SV-P-00103

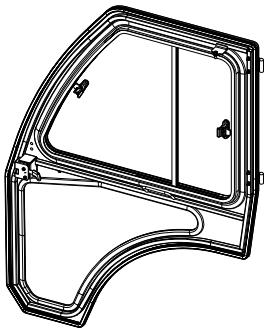
SEAL KIT (P/N: 8SV-SLK-00001)



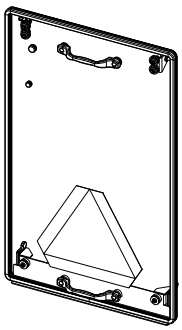
DOOR, PREMIUM, LEFT
P/N: 8SV-107-00008-L



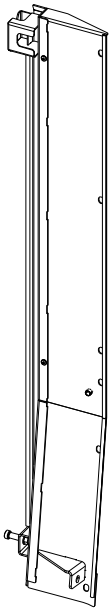
DOOR, PREMIUM, RIGHT
P/N: 8SV-107-00008-R



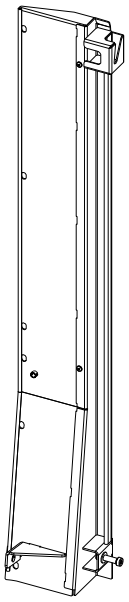
REAR PANEL ASSEMBLY
P/N: 8SV-106-00008



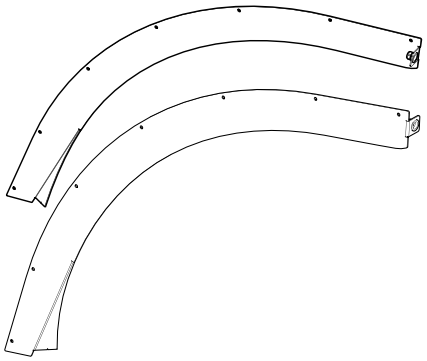
REAR LEG ASSEMBLY, LEFT
P/N: 8SV-108-00003-L



REAR LEG ASSEMBLY, RIGHT
P/N: 8SV-108-00003-R

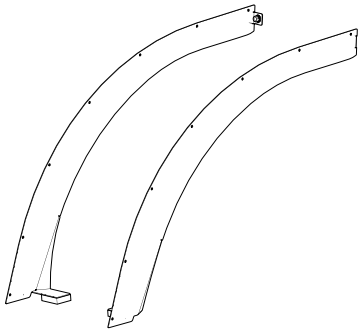


CONTOUR PANELS, (L&R)
B2301 OR B2601
P/N: 8SV-111-00035

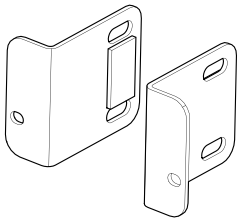


KUBOTA B2401 CONVERSION KIT PARTS (P/N 1KB2401AK)

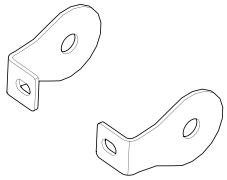
B2401 CONTOUR PANELS, (L&R)
P/N: 8SV-111-00037



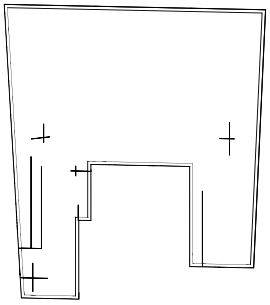
B2401 ROPS MOUNTS (L&R)
P/N: 8SV-110-00102



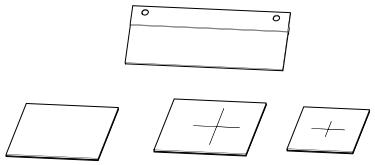
SIGNAL LIGHT BRACKET (SET OF 2)
P/N: 8SV-SM-02104



UNDER SEAT FILLER B2401
P/N: 8SV-112-00072

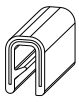
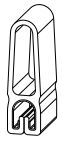
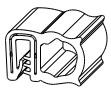


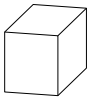
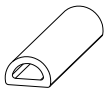
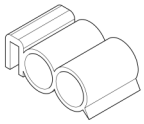
SEAL KIT, PEDALS AND CONTROLS
B2401 (P/N: 8SV-SLK-00008)



ADDITIONAL SERVICE PARTS

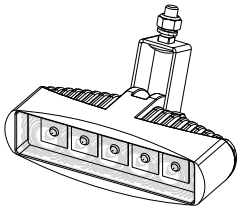
PART NUMBER	DESCRIPTION
9SV-RFL	ROOF LATCH KIT (INCL. L & R)
9SV-HRR1	ROOF HINGE KIT #1 (INCL.1 SET OF L & R W/SLEEVE)
9SV-SPL	STRIKER PIN, 1" LONG (PAIR OF PINS, WASHERS & NUTS)
9SV-GH	GRAB HANDLE KIT (SET OF 2)
9SV-DL-195	DECAL, SLOW MOVING VEHICLE
9SV-CP01	PLASTIC TREE CLIP (BAG OF 12)
9SV-DP04	DOME PLUG 1-1/8" (BAG OF 15)
9SV-DP10	DOME PLUG 3/8" (BAG OF 10)
9SV-DP11	DOME PLUG 1/2" (BAG OF 10)
8SV-9SW-00003-L	SLIDING WINDOW, LEFT
8SV-9SW-00003-R	SLIDING WINDOW, RIGHT
8SV-P-00008	WINDOW, DOOR, UPPER
8SV-P-00016	DOOR WINDOW, LOWER, ACRYLIC
9SV-IHRL	INSIDE HANDLE ROTARY LATCH KIT (INCL. L & R)
9SV-OHRL	OUTSIDE HANDLE ROTARY LATCH KIT (SET OF 2)
9SV-DSTRH	DOOR STRIKER KIT-INCLUDES CASE HARDENED STRIKER BOLT (SET OF 5)
9SV-PHW010W	HINGE WASHER, WELD-ON, BRASS (BAG OF 4)
9SV-GS02A	BALL STUDS, 10MM (BAG OF 10)
9SV-GS02Q	GAS SPRING - 12" W/QUICK RELEASE END (SET OF 2) (FOR DOORS AND ROOF)
9SV-HWS	WINDSHIELD HINGE KIT WITH SPACER
9SV-9WL05	LATCH, POP-OUT, DOUBLE ARM, 3.5IN OPENING, 1 PIECE
9PWM110	WIPER MOTOR, 110 DEGREE
9PWA14-16	WIPER ARM, ADJUSTABLE LENGTH (11" - 16")
9PWB20-FB	WIPER BLADE, 20", FLEX
9PWK-HB	GLASS MOUNTING KIT FOR WIPER SYSTEMS
9SV-PWKWIP	STANDARD WIPER WIRING KIT
9SV-WH-00004	WIRING HARNESS, SWITCHED POWER (10 AMPS, 2 ACCESSORIES MAX.)
HWK-00021	HARDWARE KIT, KB01
HWB-00170	HARDWARE KIT, KB2401
8SV-HKWTB-L	HINGE KIT, TOP & BOT., LEFT
8SV-HKWTB-R	HINGE KIT, TOP & BOT., RIGHT

TRIM LOK, STD, 1/16" - 1/8" GRIP	5/8" STD BULB, 1/16" GRIP	1" FLAT BULB, 1/16" GRIP	WINDOW RUBBER	3/4" SIDE BULB, 1/16" GRIP	1" ROUND BULB, 1/16" GRIP	1/2" WEATHERSEAL
						
9SV-PRO1-20	9SV-PRO2-15	9SV-PRO5-10	9SV-PR10-20	9SV-PR17-20	9SV-PR19-10	9SV-PR20-10

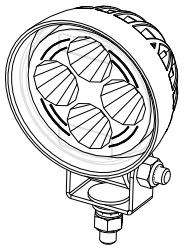
FOAM TAPE, 1/8" X 2"	3/4" SIDE BULB, 1/4" GRIP	FOAM TAPE, 1/8" X 1"	RUBBER FOAM, 1/2" X 9/16"	ARCH PSA, .20" X.15"	1-1/2" DBL SIDE BULB & 1 WIPER	
						
9SV-PR35-5	9SV-PR38-15	9SV-PR39-5	9SV-PR43-4	9SV-PR53-15	9SV-PR41-15	

OPTIONAL ACCESSORIES FOR PREMIUM CABS

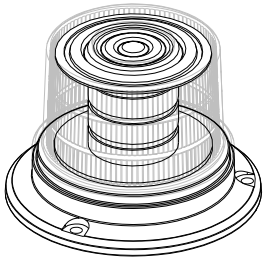
FRONT LED WORK LIGHTS (P/N: 9LEDW4)



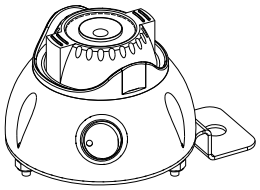
REAR LED WORK LIGHTS (P/N: 9LEDW3)



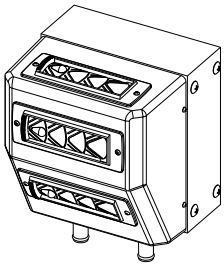
STROBE LIGHT (P/N: 9LEDS2)



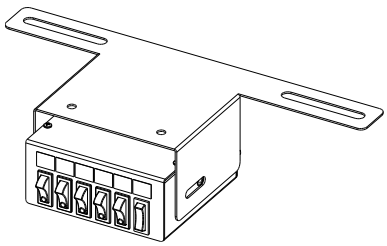
DOME LIGHT (P/N: 9LEDD14)



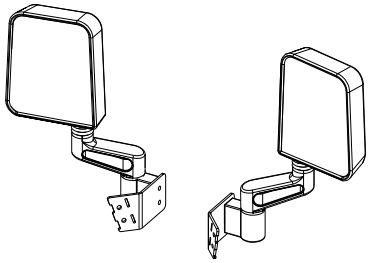
HEATER (P/N: 9PH20S62)



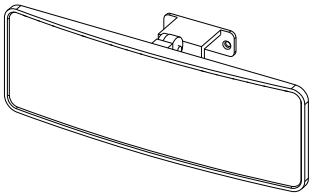
SWITCH PANEL (P/N: 9PSF1)



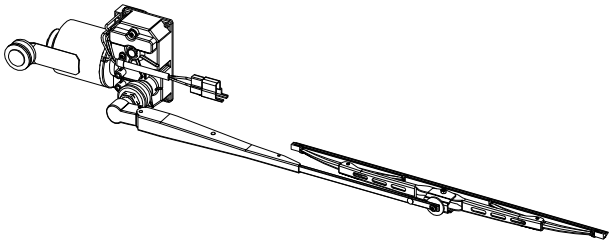
SIDE VIEW MIRRORS (P/N: 9PM5)



REAR VIEW MIRROR (P/N: 9PM3)



REAR WIPER KIT, 85 DEGREE SWEEP, 12V W/ 16" FLEX BLADE (P/N: 9PWK85F)



Tightening of Non-Structural Bolts

For light or medium duty fastening, Curtis recommends using a general industry standard of tightening until snug and then giving an additional one quarter turn of the tool as deemed reasonable for the application (i.e.: at the installer's discretion).

If torque values are required, the examples listed below are intended as a reasonable reference for use in the majority of non-structural fastener applications such as: small diameter fasteners; bolts passing thru tubing, glass, plastic, nylon or rubber washers, threaded inserts, etc.

If more than one application below applies, use the lower torque value.

FASTENER SIZE:	FASTENER TYPE:	WASHER MATERIAL:	APPLICATION:	TORQUE (INCH-POUNDS) (±5)
#10	Machine Screws	-	in Nylon P-Clamps	20
#10	Machine Screws	-	Strobe Light (plastic base)	35
M5	Set Screws	-	Wiper Arm	20
1/4"	Cap Nut	-	Windshield Wiper	20
1/4"	Bolts	-	Tubing (5/8" to 3/4" wide)	132
1/4"	Bolts	Rubber	-	60
1/4"	Bolts	Nylon / Plastic	-	72
1/4"	Bolts	-	Factory Installed Threaded Inserts	132
5/16"	Bolts	-	Tubing (1" or wider)	60
5/16"	Flat Head Bolts	-	Plastic Windshield Hinge	79
5/16"	Bolts	Rubber	-	120
5/16"	Bolts	Nylon / Plastic	-	150
5/16"	Ball Studs	-	-	150
5/16"	Bolts	-	Factory Installed Threaded Inserts	240
3/8"	Bolts	-	Tubing	120
M12	Door Striker Pins	-	-	120

Torque Specs. for Structural Bolts

This page is for use primarily when dealing with high-strength vehicle fasteners such as ROPS hardware that hold the structure together for safety. This page can also be used for other solid metal-to-metal joints. Do not use these high torque values on any of the following applications involving: tubing, plastic, nylon or rubber washers, threaded inserts, etc.. See next page regarding less critical fasteners.
The values below apply to fasteners that are dry or lubricated with normal engine oil. They do not apply if special graphited or moly disulphide greases or other extreme pressure lubricants are used. This applies to both UNF and UNC threads.
Remember to always use the same grade or property class when replacing bolts.
IMPORTANT: on all PLATED GRADE 8 bolts, reduce torque 15% from listed bolt torque specification.

SAE Grade No.		2				5				8*			
Bolt head identification mark as per grade. NOTE: Manufacturing Marks Will Vary													
Bolt Size		TORQUE Pounds Feet		TORQUE Newton-Meters		TORQUE Pounds Feet		TORQUE Newton-Meters		TORQUE Pounds Feet		TORQUE Newton-Meters	
Inches	Millimeters	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1/4	6.35	5	6	7	8	9	11	12	15	12	15	16	20
5/16	7.94	10	12	14	16	17	20.5	23	28	24	29	33	39
3/8	9.53	20	23	27	31	35	42	48	57	45	54	61	73
7/16	11.11	30	35	41	47	54	64	73	87	70	84	95	114
1/2	12.70	45	52	61	70	80	96	109	130	110	132	149	179
9/16	14.29	65	75	88	102	110	132	149	179	160	192	217	260
5/8	15.88	95	105	129	142	150	180	203	244	220	264	298	358
3/4	19.05	150	185	203	251	270	324	366	439	380	456	515	618
7/8	22.23	160	200	217	271	400	480	542	651	600	720	814	976
1	25.40	250	300	339	406	580	696	787	944	900	1080	1220	1464
1-1/8	25.58	-	-	-	-	800	880	1085	1193	1280	1440	1736	1953
1-1/4	31.75	-	-	-	-	1120	1240	1519	1681	1820	2000	2468	2712
1-3/8	34.93	-	-	-	-	1460	1680	1980	2278	2380	2720	3227	3688
1-1/2	38.10	-	-	-	-	1940	2200	2631	2983	3160	3560	4285	4827

*Thick Nuts must be used with Grade 8 bolts

METRIC BOLT TORQUE SPECIFICATIONS

Size of Screw	Property Class	Course Thread Pitch (mm)	Course Thread Pounds Feet	Course Thread Newton-Meters	Fine Thread Pitch (mm)	Fine Thread Pounds Feet	Fine Thread Newton-Meters
M6	5.6	1.0	3.6-5.8	4.9-7.9	-	-	-
	8.8		5.8-9.4	7.9-12.7		-	-
	10.9		7.2-10	9.8-13.6		-	-
M8	5.6	1.25	7.2-14	9.8-19	1.0	12-17	16.3-23
	8.8		17-22	23-29.8		19-27	25.7-36.6
	10.9		20-26	27.1-35.2		22-31	29.8-42
M10	5.6	1.5	20-25	27.1-33.9	1.25	20-29	27.1-39.3
	8.8		34-40	46.1-54.2		35-47	47.4-63.7
	10.9		38-46	51.5-62.3		40-52	54.2-70.5
M12	5.6	1.75	28-34	37.9-46.1	1.25	31-41	42-55.6
	8.8		51-59	69.1-79.9		55-68	75.9-92.1
	10.9		57-66	77.2-89.4		62-75	84-101.6
M14	5.6	2.0	49-56	66.4-75.9	1.5	52-64	70.5-86.7
	8.8		81-93	109.8-126		90-106	122-143.6
	10.9		96-109	130.1-147.7		107-124	145-168
M16	5.6	2.0	67-77	90.8-104.3	1.5	69-83	93.6-112.5
	8.8		116-130	157.2-176.2		120-138	162.6-187
	10.9		129-145	174.8-196.5		140-158	189.7-214.1
M18	5.6	2.0	88-100	119.2-136	1.5	100-117	136-158.5
	8.8		150-168	203.3-227.6		177-199	239.8-269.6
	10.9		175-194	237.1-262.9		202-231	273.7-313
M20	5.6	2.5	108-130	146.3-176.2	1.5	132-150	178.9-203.3
	8.8		186-205	252-277.8		206-242	279.1-327.9
	10.9		213-249	288.6-337.4		246-289	333.3-391.6