



Massey Ferguson 1700E Cab with Heater (p/n: 1MF1700ECA) fits tractor models: 1724E, 1725E, 1739E, 1740E, 1825E, 1835E & 1840E with FLx2407 Loader. Adaptor kit allows cab to fit with some L105E loaders.

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.



Shown with L105E newer model adaptor kit.

Available Options:

1. Front LED Work Lights (P/N: 9LEDW4)
2. Rear LED Work Lights (P/N: 9LEDW3)
3. Strobe Light (P/N: 9LEDS2)
4. Dome Light (P/N: 9LEDD14)
5. Side View Mirrors (P/N: 9PM5)
6. Rear View Mirror (P/N: 9PM3)
7. Rear Wiper (P/N: 9PWK8512F9-11A)
8. Adaptor kit for L105E Loader (P/N: 1MF1700EAK) Contact Curtis for details

Approximate Installation Time *
Experienced Dealer Technician – 7 Hours
Average Dealer Technician – 9 Hours
Do-It-Yourself – 11 Hours

(*Including the heater installation)

Approximate Product Specifications
Floorboard to Roof Height: 59.25 inches
Weight: 298 lbs.
Cab Width: 49.37 inches

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

Rev. C, 02/26/2021

P/N: IM-1MF1700ECA

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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

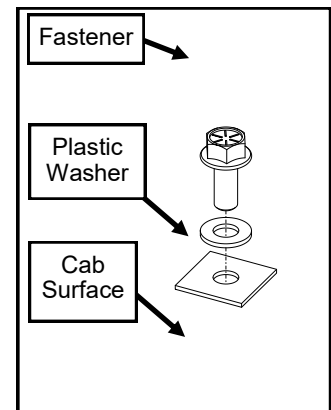
	This cab enclosure does not provide protection from rollover or other accidents.
	This cab enclosure does not provide protection from flying objects including golf balls.
	This cab enclosure does not provide protection from lightning. When lightning threatens take cover and do not operate vehicle.

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

GENERAL INFORMATION BEFORE YOU START

HELPFUL HINTS:

- Refer to parts diagram found in the service parts section of this manual to help identify parts during the assembly process.
- To assist with the cab installation, leave all fasteners loose for later adjustment unless otherwise specified.
- Read and understand all instructions before beginning.
- Apply a silicone sealant to seal any minor gaps that may occur due to vehicle variations.
- Use caution to avoid damaging the factory installed threaded inserts or weld nuts. Begin the thread engagement by hand to avoid or correct potential cross threading.
- Make sure the areas where the supplied self-adhesive hook Velcro and seals will be applied are clean, 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:

- | | |
|--|--|
| <ul style="list-style-type: none"> •Set of Standard and Metric Sockets (3/8" Drive) •3/8" Drive Ratchet with extension •Torque Wrench •Set of Standard and Metric Open-End Wrenches •Set of Standard and Metric Allen Wrenches •#2 and #3 Phillips Head Screwdrivers •Snips | <ul style="list-style-type: none"> •Drill/Driver •#2 and #3 Phillips Head Bit •Utility Knife •Pair of Scissors •Shears •Grease •Silicone Sealant •Teflon Tape •Tape Measure |
|--|--|

CAB INSTALLATION

STEP 1: (VEHICLE PREP)

- 1.1 Disconnect the negative battery cable.
- 1.2 Remove and set aside the SMV sign. See Figure 1.2.
- 1.3 Remove and set aside the toolbox and wing bolts for re-installation later. See Figure 1.3. Remove the two mounting brackets and disassemble from the pouch. Save the pouch and discard the mounting bracket and hardware. Bend the metal finger on the back side down and out of the way.
- 1.4 Remove the rear lights and carefully let them hang by the wires. See Figure 1.4. Save the hardware for re-use later.



Fig. 1.2 (Remove SMV Sign)

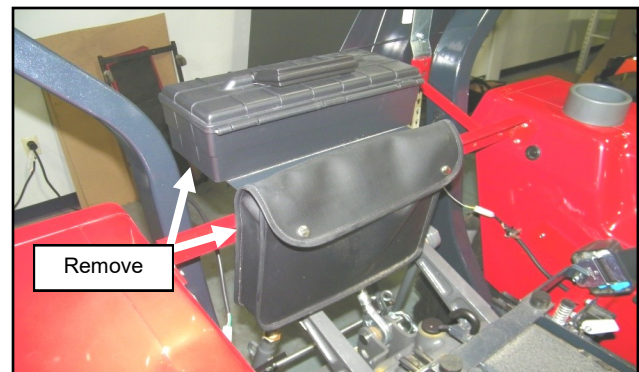


Fig. 1.3 (Remove Toolbox, Pouch and Bracket)

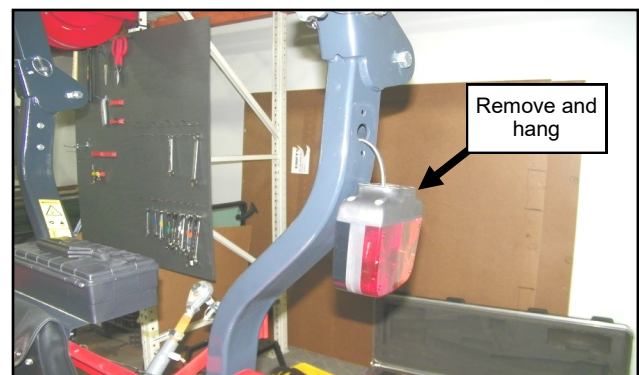


Fig. 1.4 (Remove Rear Lights)

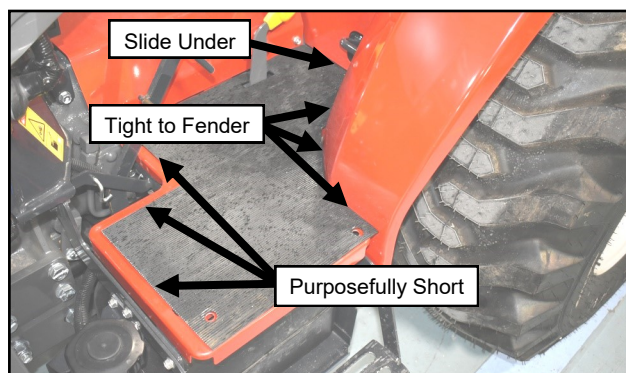


Fig. 2.1 (Left Floor Mat)

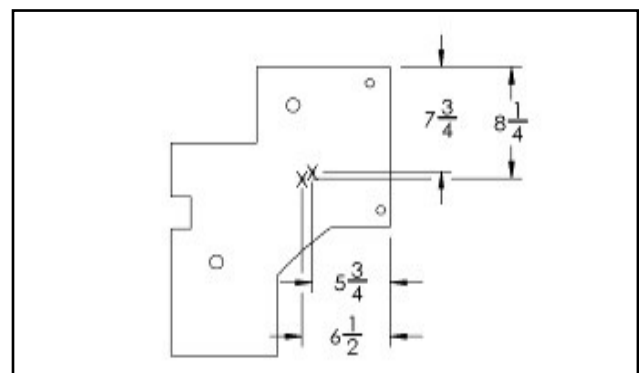


Fig. 2.2 (Right Floor Mat)

CAB INSTALLATION

STEP 3: (FRONT LEGS)

- 3.1** Remove the small screw on the left side of the vehicle cowl and place the left leg with leg adapter assembly and mounting hardware (reference parts list on page 22) (the adapter with the factory installed rubber is for the left side of tractor). See fig. 3.1a for placement and figure 3.1b on how to install adapter onto left leg. Tighten 5/16" hardware. Remove leg from tractor.

Hardware Used

	Qty
5/16-18 X 3/4 Hex Head Screw	1
5/16-18 Hex Nut	1

Tools required

#2 Phillips head screw driver
1/2" wrench or socket

- 3.2** Install 5/8" Standard Bulb rubber on inside edge and cut to length per fig. 3.1b. Install the left leg with leg adapter assembly re-using the small screw. See fig. 3.1a. For 1800E series tractors, install additional 5/16" hardware on top slot of adapter assembly as shown on fig. 3.1b.

Hardware Used

	Qty
5/16-18 X 3/4 Hex Head Screw	1
5/16-18 Hex Nut	1

Tools required

#2 Phillips head screw driver
1/2" wrench or socket
Snips

- 3.3** Repeat steps 3.1 and 3.2 on the right hand side.

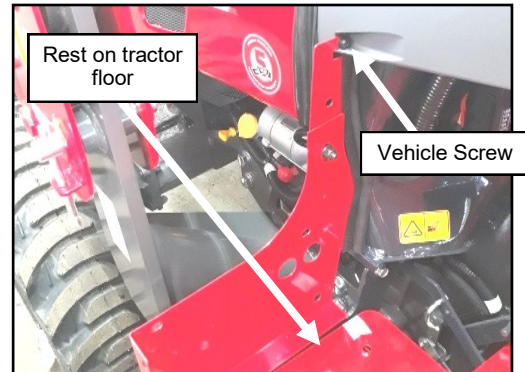


Fig. 3.1a (Install Front Legs)

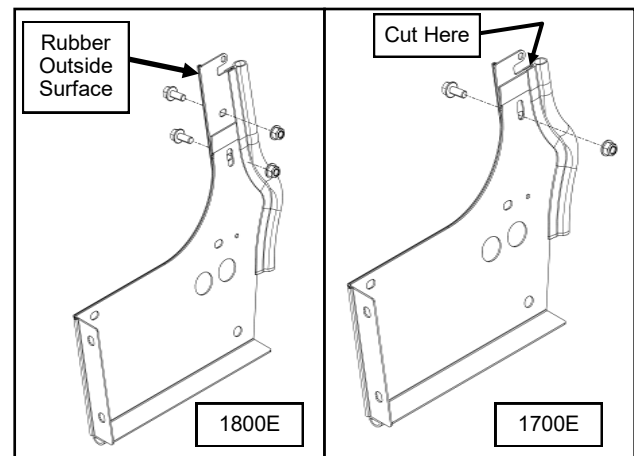


Fig. 3.1b (Install Front Legs, Rubber)

STEP 4: (ROPS BRACKETS)

- 4.1** Pierce the foam padding on both brackets and insert the previously removed light bolts. With the flanged end of the bracket facing the front of the tractor, install the bracket to the left side of the ROPS where the light mounted and secure with the supplied fender washers and nuts. See Figure 4.1.

Hardware Used

	Qty
8MM Fender Washer	2
M8x1.25 Hex Nut	2

Tools required

13MM wrench and 12MM socket

- 4.2** Repeat step 4.1 on the right side of the ROPS.



Fig. 4.1 (Attach ROPS Brackets)

STEP 5: (PRE-ASSEMBLE SIDE FRAMES, REAR LEGS, AND ROPS MOUNTS)

- 5.1** With assistance, remove the pre-assembled left door from the left side frame and set aside. Do not lose the brass washers on the hinge pins.
- 5.2** Pre-assemble the left rear leg and left ROPS mount to the left side frame. See Figure 5.2.

Hardware Used

	Qty
5/16-18 X 3/4 Hex Head Screw	7
5/16-18 Hex Nut	2

Tools required

1/2" wrench and socket

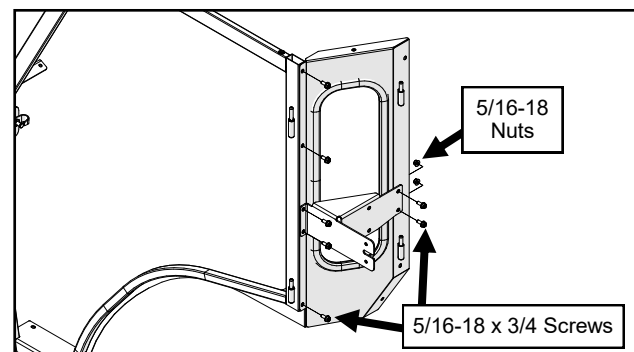


Fig. 5.2 (Pre-Assemble Side Frame)

CAB INSTALLATION

STEP 5: (PRE-ASSEMBLE SIDE FRAMES, REAR LEGS, AND ROPS MOUNTS CONTINUED)

- 5.3 Starting at the end of the floorboard of the side frame and rear leg assembly, press on one of the lengths of 1" bulb rubber to the bottom. See Figure 5.3.

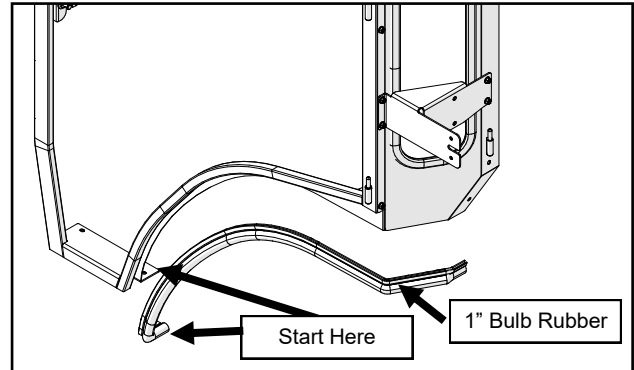


Fig. 5.3 (Press On 1" Bulb Rubber)

STEP 6: (SIDE FRAMES)

- 6.1 Set the left side frame in place and loosely secure the ROPS mount to the ROPS bracket already attached to the ROPS in step 4. Next, attach to the front legs already attached to the vehicle cowl in step 3. Lastly, install two screws and nuts through the floor board. See Figure 6.1.

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

Tools required
1/2" wrench and socket

- 6.2 Tuck and/or pull the rubber seal to center it from side to side and try to close off any holes.
- 6.3 Repeat steps 6.1-6.2 for the right side.

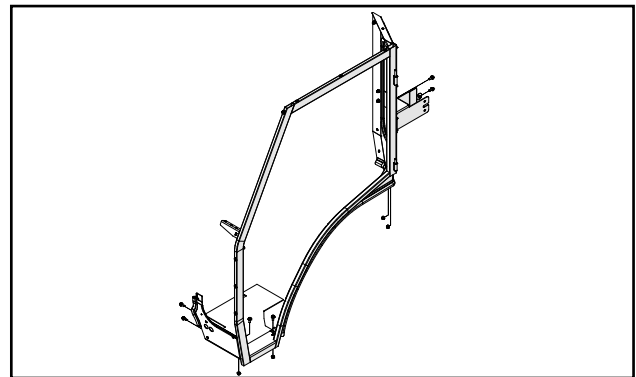


Fig. 6.1 (Left Side Frame)

STEP 7: (REAR LIGHTS)

- 7.1 Set the left rear light into place and secure with the M8 button head screws provided. See Figure 7.1.

<u>Hardware Used</u>	<u>Qty</u>
M8x1.25 x 20mm Button Head Screw	2

Tools required
5mm Allen Wrench

- 7.2 Cover the rear light wiring with half of the 3/8" loom provided so that any part that contacts the ROPS is protected. See Figure 7.1.
- 7.3 Repeat steps 7.1-7.2 for the right rear light.

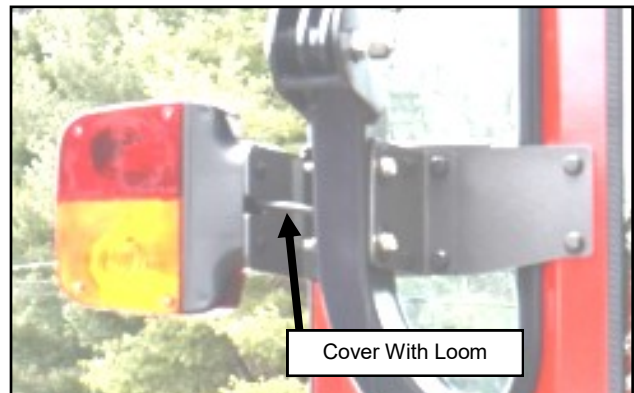


Fig. 7.1 (Attach Rear Light)

STEP 8: (LOWER REAR PANEL)

- 8.1 Pierce the foam padding where required and set the lower rear panel in place on the INSIDE of each rear leg and down to the outside of the vehicle rear cross bar. Loosely secure with hardware provided. See Figure 8.1. If a backhoe is or will be installed, make sure to pierce the required holes to secure the hydraulic line bracket.

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

Tools required
1/2" wrench and socket

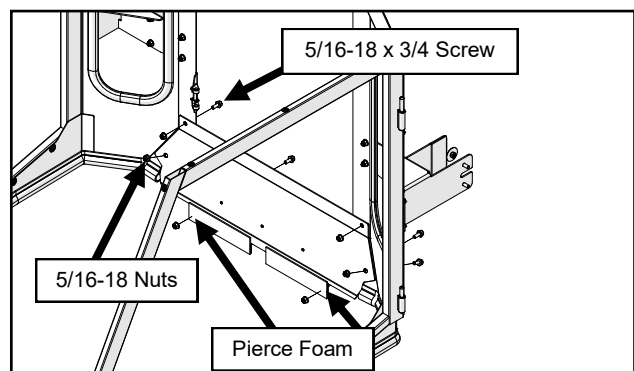


Fig. 8.1 (Lower Rear Panel)

CAB INSTALLATION

STEP 9: (WINDSHIELD SUPPORT)

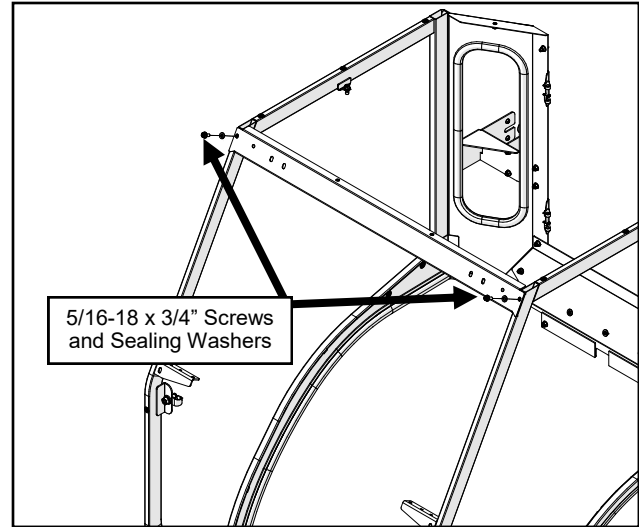
- 9.1** With assistance, hold the windshield support in place and attach with a screw and sealing washer in the top of each side frame. See Figure 9.1.

Hardware Used

5/16-18 X 3/4 Hex Head Screw	Qty
5/16" Sealing Washer	2
	2

Tools required

1/2" wrench or socket



CAB INSTALLATION

STEP 11: (WINDSHIELD)

- 11.1** Check the windshield support for squareness to the side frames and tighten the two screws to 12.5 ft.-lbs.
- 11.2** With assistance, set the windshield up to the side frames and secure it to the windshield support using the hinge spacers and hardware. See Figure 11.2. Leave hardware loose.

Hardware Used

5/16-18 x 1.5" Flat Head Screw
5/16-18 Hex Nut

Qty

4
4

Tools required

#3 Phillips screw driver
½" wrench or socket.

- 11.3** Secure the windshield latches to the side frames with the latches open, and tighten latch hardware. See Figure 11.3.

Hardware Used

¼-20 x 5/8" Hex Head Screw
¼-20 Hex Nut

Qty

4
4

Tools required

¾" wrench/socket
7/16" wrench/socket

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

STEP 12: (WINDSHIELD WIPER MOTOR)

- 12.1** Mount the wiper motor to the windshield. See Figure 12.1. Make sure the wires are above the wiper motor shaft to prevent pinching the wires when the windshield is opened and closed, then connect to the wire harness.

NOTE: Do not install the wiper arm and blade at this time. Once all the wiring is complete and power is restored, it can be turned on and off to ensure that the wiper arm will be parked in the correct position once it is attached at a later step.

- 12.2** Re-check the windshield pop-out function. The wiper motor should easily clear the cowl, but if not, loosen the windshield hinges and raise the windshield to gain some clearance.

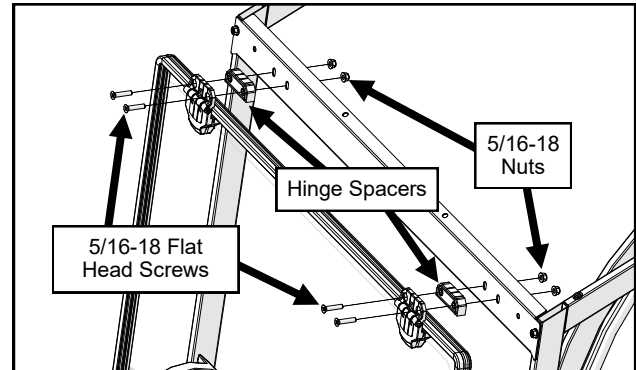


Fig. 11.2 (Attach Windshield)

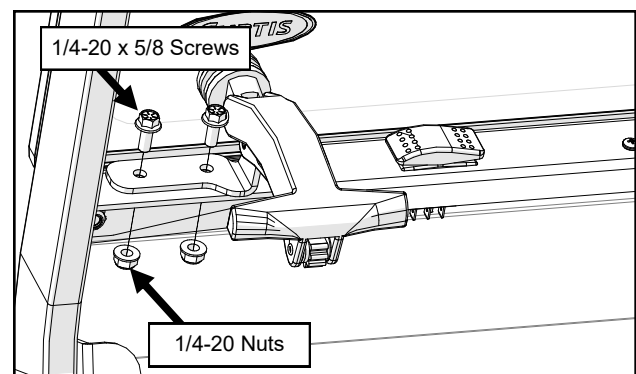


Fig. 11.3 (Secure Windshield Latches)

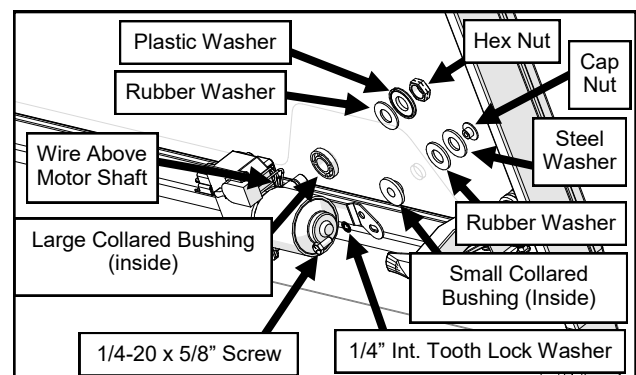


Fig. 12.1 (Windshield Wiper Motor)

CAB INSTALLATION

STEP 13: (ROOF)

- 13.1** Prep the roof for installation by piercing the headliner below the top mounting slots. Use a screwdriver to poke holes through the headliner from the headliner side up through the hole in the roof to avoid having the headliner pull away from its glued surface.
- 13.2** With assistance, set the roof on top of the cab. Loosely secure with sealing washers on the (10) screws through the top of the roof and (2) screws and nuts on the back. See Figure 13.2.

Hardware Used

	Qty
5/16-18 x 3/4" Hex Head Screw	12
5/16" Sealing Washer	10
5/16-18 Hex Nut	6

Tools required

1/2" Wrenches and/or Sockets

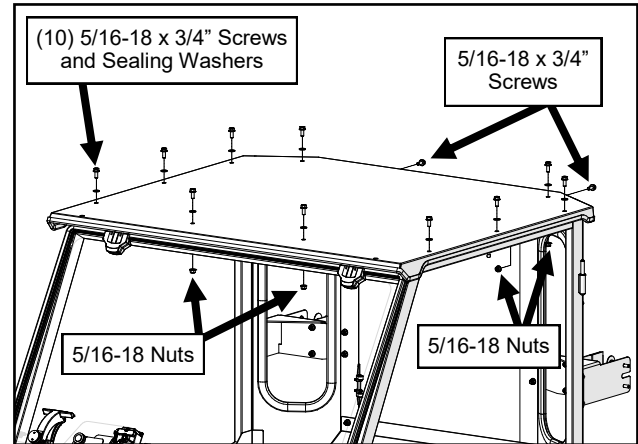


Fig. 13.2 (Install Roof)

STEP 14: (REAR WINDOW)

- 14.1** Measure the back of the rear legs, inside to inside, and adjust the width to 22". Measure corner to corner for squareness, and **tighten the (6) sets** of screws and nuts to lock in this width. See figure 14.1
- 14.2** Grease the hinge pins for the rear window, and slide on greased brass washers (one washer per pin). See Figure 14.2.
- 14.3** Hang the rear window on the hinges.
- 14.4** Connect the window latches to the right rear leg by depressing the tabs on the latch and inserting into the receivers mounted on the rear leg. Close and check the alignment of the window. If off, check measurements and re-align the rear legs. Tighten the hinge hardware to 7 ft.-lbs. Verify smooth operation of the latches.

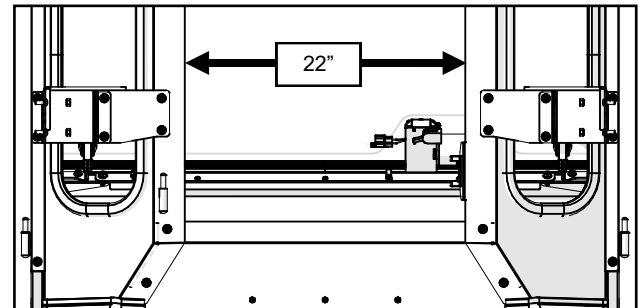


Fig. 14.1 (Measure Rear Legs Left to Right)

STEP 15: (TIGHTEN HARDWARE)

- 15.1** Tighten all hardware at this time, using the torque values given below.

Each side frame can be pushed inward at the back to close any gaps along the fender contour before tightening hardware.

For 5/16" bolts that thread into factory installed threaded inserts in the side frames without plastic washers, use 20 ft.-lbs.

For 5/16" bolts that use plastic washers, use only 12.5 ft.-lbs.

For the remaining 5/16" bolts (the vast majority on the cab) that thread into hex nuts, use 28 ft.-lbs.

For all other bolt sizes, reference the torque tables at the end of the manual.

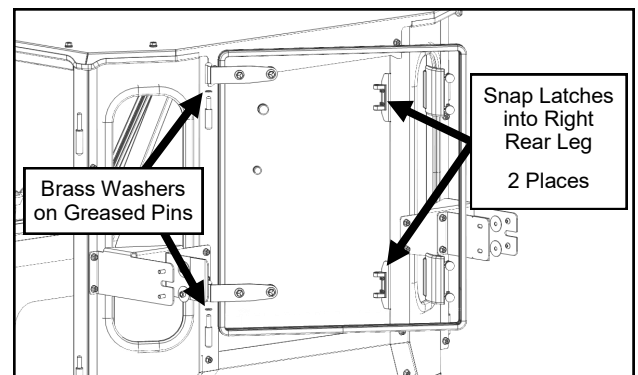


Fig. 14.2 (Hang Rear Window)

CAB INSTALLATION

STEP 16: (CAB WIRING)

- 16.1** Attach the main power wire harness to the windshield wiper connector, and secure to the cowl using a P-clip and hardware. Route the wire over the top of the wiper motor and make sure there is enough slack to fully open the windshield. See Figure 16.1.

Hardware Used

	<u>Qty</u>
#10-32 x 1/2" Pan Head Screw	1
#10-32 Hex Nut	1

Tools required

#2 Phillips Screw Driver
3/8" Wrench or Socket.

- 16.2** Run the harness to the under side of the cowl and down past the cowl window. Secure it with (4) more P-clips and hardware. See Figure 16.2. Connect the harness to the heater switch.

Hardware Used

	<u>Qty</u>
#10-32 x 1/2" Pan Head Screw	4
#10-32 Hex Nut	4

Tools required

#2 Phillips Screw Driver
3/8" Wrench or Socket.

- 16.3** Run the harness through the small hole in the left front leg and towards the engine. The rest of the connections will be finished along with the heater installation.

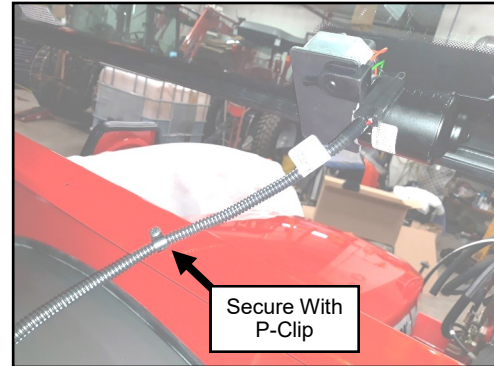


Fig. 16.1 (Attach Main Harness To Cowl)

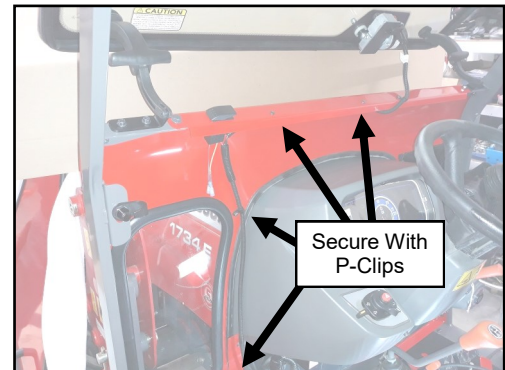


Fig. 16.2 (Attach Main Harness To Cowl)

CAB INSTALLATION

STEP 17: (HEATER)

- 17.1 Attach the heater bracket to the left side frame. See Figure 17.1. Tighten hardware.

Hardware Used

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

Qty
2

Tools required

1/2" socket with extension

- 17.2 Attach the heater to the heater bracket by the lower existing screw only, so that it hangs upside down. See Figure 17.2. Connect the heater connectors to the main cab wiring harness. Cover any visible wires with the supplied 1/2" wire loom. Pivot the heater into place and connect the other screws. Tighten hardware.

Tools needed

#2 Phillips Screw driver.

- 17.3 Install the 2 supplied plastic bushings in the front of the left front leg. See Figure 17.3.

HINT: Temporarily removing the loader will make the installation of the heater plumbing and cab wiring easier.

- 17.4 On the left side of tractor behind the radiator, remove the perforated sheet metal guard. See Figure 17.4.

For 1734E and 1735E: Only the left guard needs to be removed.

- 17.5 Drain coolant (There is a drain hose connected to the frame just behind the radiator on the right side).

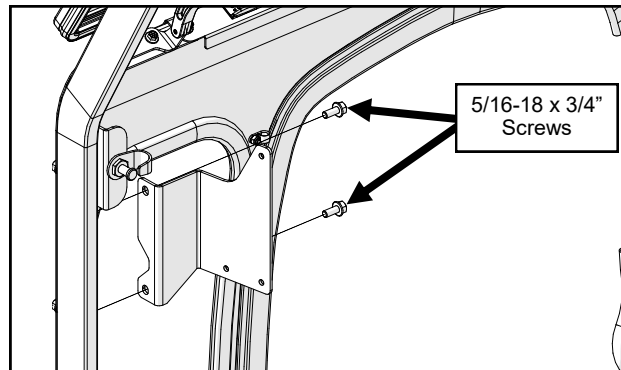


Fig. 17.1 (Install Heater Bracket to A-Pillar)

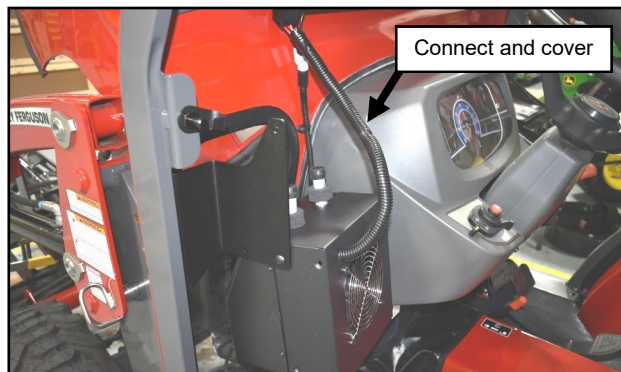


Fig. 17.2 (Mount and Wire Heater)

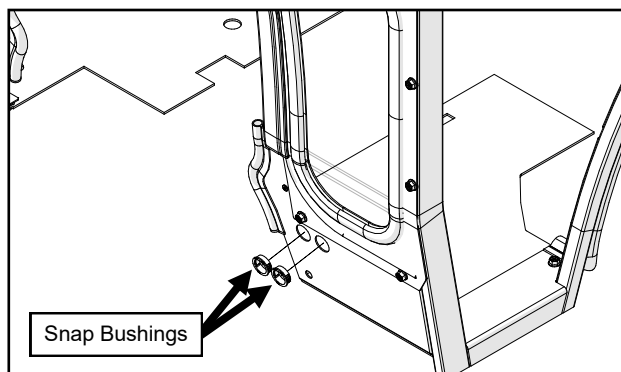


Fig. 17.3 (Snap Bushings)

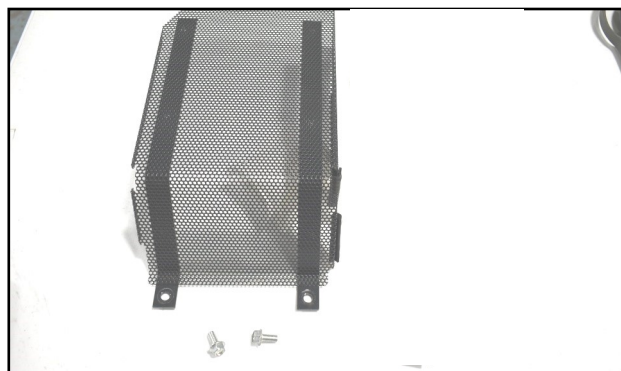


Fig. 17.4 (Engine Guard)

CAB INSTALLATION

STEP 17: (HEATER CONTINUED)

- 17.6 In order to gain better access to the lower radiator hose, temporarily remove the reusable wire ties that secure the main wire harness and the hardware that attaches the small heat shield. See figure 17.6
- 17.7 Confirm the coolant has completely drained from the other side and reconnect the drain hose. Relocate your drain pan under the lower radiator hose, loosen the clamp and remove the hose from the radiator.
- 17.8 Cut the lower radiator hose 3" from the end that attaches to the radiator. Then cut an additional inch off of the end still attached to the engine to make room for the heater tee.
- 17.9 Install the supplied tee fitting and one of the large hose clamps to the 3" piece of radiator hose leaving the clamp loose for now. Install the assembly back onto the radiator with the original clamp.
- 17.10 Attach the lower radiator hose to the other side of the tee fitting with the remaining large hose clamp. Inspect the lower radiator hose to confirm it is not pushed up against any sharp edges and further trim to length if necessary. Orient the Tee fitting per figure 17.10 and tighten the clamps. Reinstall removable wire ties and heat shield.
- 17.11 Insert one end of the supplied heater hose through the front leg bushing closest to the hood and up to the inside connector on the heater. Connect to the heater with a small hose clamp.
- 17.12 Route the hose over to the tee fitting making sure it does not kink or rub against any sharp objects. Cut to length and install to tee with small hose clamp. See figure 17.12.

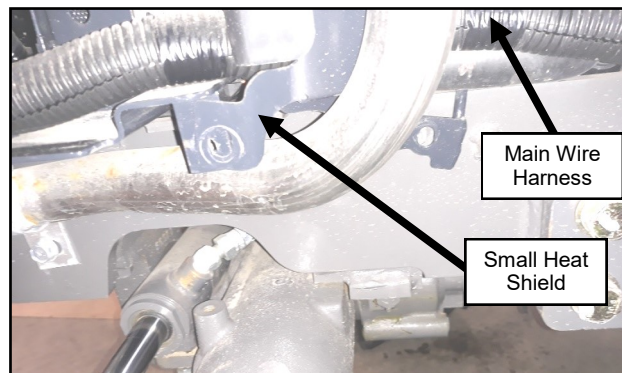


Figure 17.6 (Left Side of Engine Bay)

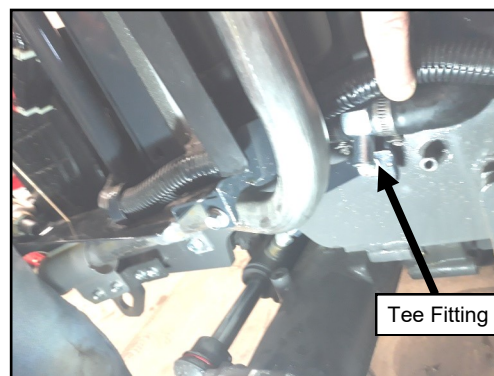


Figure 17.10 (Tee Fitting)

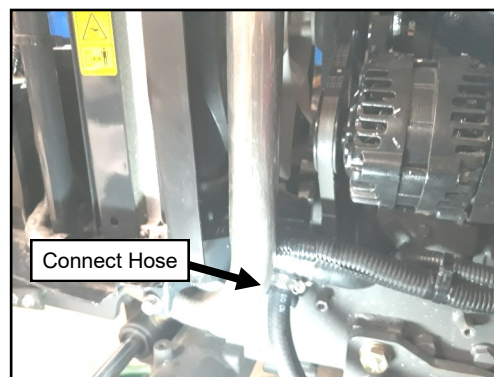


Figure 17.12 (Connect Heater Hose)

CAB INSTALLATION

STEP 17: (HEATER CONTINUED)

For 1726E models:

17.13 Remove the plug in the top of the thermostat and install the supplied nipple with Teflon tape (not supplied). Cut a piece of hose 3" long and install to the plastic elbow provided with a small hose clamp. Install the elbow assembly to the nipple with another small hose clamp oriented as shown in Figure 17.13.

17.14 Install the remaining heater hose to the elbow with another small hose clamp and route down the right side of the engine and across the back to the left side. See Figures 17.13 and 17.14.

For other models:

17.15 Remove the plug on the left side of the engine and install the supplied nipple with Teflon tape. Cut a short piece of hose and install to the plastic elbow provided with a small hose clamp. Install the elbow assembly to the nipple with another small hose clamp oriented as indicated but do not tighten clamp. Install the remaining length of hose to the other side of the elbow. See Figure 17.15. Check the fit of the left engine guard. The heater hose should be almost touching it and route out the slot in the rear lower corner. Adjust the length of the short piece of hose if necessary. Route the hose down the left side of the engine and toward the cowl.

ALL Models:

17.16 Push hose through the remaining bushing in the front leg, route to the heater, trim to length and attach with a small hose clamp.

17.17 At installer's preference, select a location to splice the supplied shut-off valve into the supply line coming from the nipple in the top of the water pump or bottom of the thermostat. See Figure 17.17.

17.18 Refill coolant, connect battery, check system operation.

17.19 Connect the supplied fuse harness ring terminal to the positive post on the back of the alternator. Connect the red wire from the cab power harness to the other side of the fuse harness. Reinstall the protective screen on the left side attaching the ring terminal of the cab harness to the rear mounting bolt. Coil up excess harness and wire tie in place. See Figure 17.19.

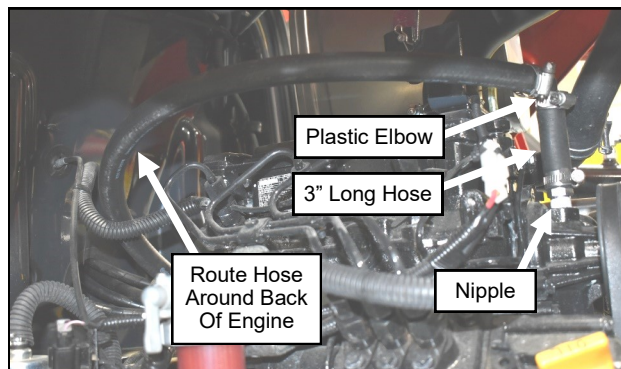


Figure 17.13 (Right Side of 1726E Engine Bay)

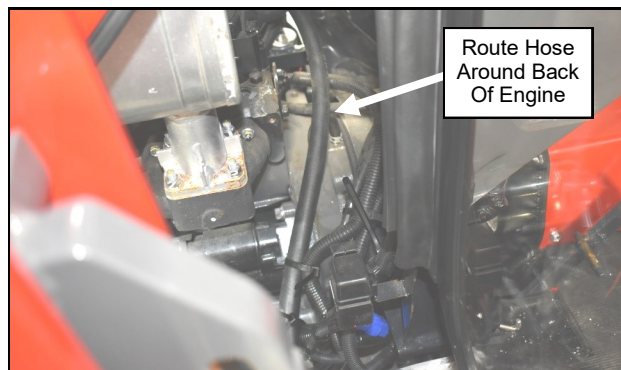


Figure 17.14 (Route Heater Hose Around Engine)

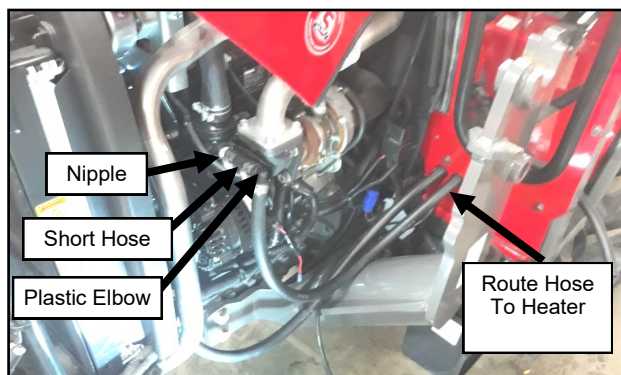


Fig. 17.15 (Left Side Of Engine Bay)

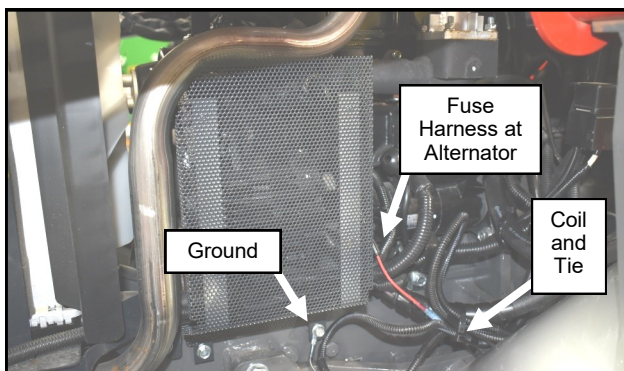


Figure 17.19 (Finish Wiring and Re-install Left Guard)

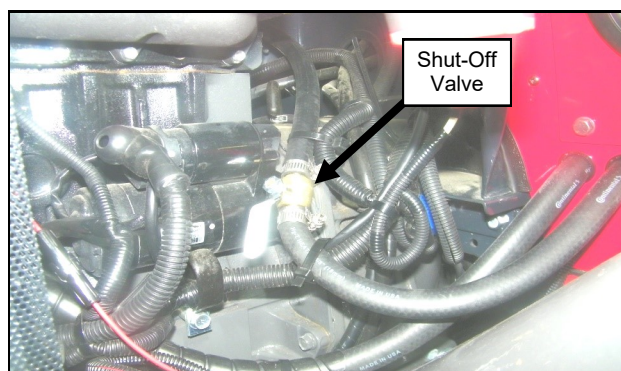


Figure 17.17 (Install Shut-Off Valve)

CAB INSTALLATION

STEP 18: (WIPER ARM AND BLADE)

18.1 Turn on the wiper motor briefly, then turn back off. This will make sure the motor shaft is in the correct parked position.

18.2 Pre-assemble the wiper arm and wiper blade.

18.3 Install the wiper arm onto the wiper motor so that the wiper is horizontal. See Figure 18.3. Tighten the Allen Screws.

Tools required

2.5mm Allen Wrench

18.4 Adjust the length of the wiper arm as long as possible while still clearing the outer cap nut for the windshield latches. Turn on the wiper to check proper operation and to make sure the blade does not contact the windshield hinge at the top.

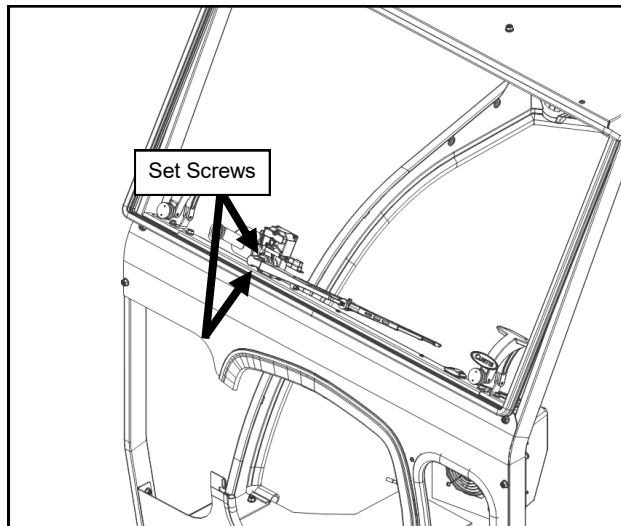


Fig. 18.3 (Wiper Arm and Blade)

STEP 19: (PEDAL FILLERS)

19.1 Set the left pedal filler in place. See Figure 19.1. Make sure that the clutch pedal holding hook is lifted to rest on top of the filler and at the end of the slot in the filler. Start at the corner shown, and work your way around the front and top, securing the filler as you go. Finish by lining up the other side of the pedal slot and secure the filler to the center tunnel.

19.2 Set the right pedal filler in place. See Figure 19.2. NOTE: If you have a geared transmission, you will need to cut a slot in the filler for the second brake pedal. Start at the corner shown and work your way around the front and top, securing the filler as you go. Finish by lining up the other side of the pedal slot and secure the filler to the center tunnel.

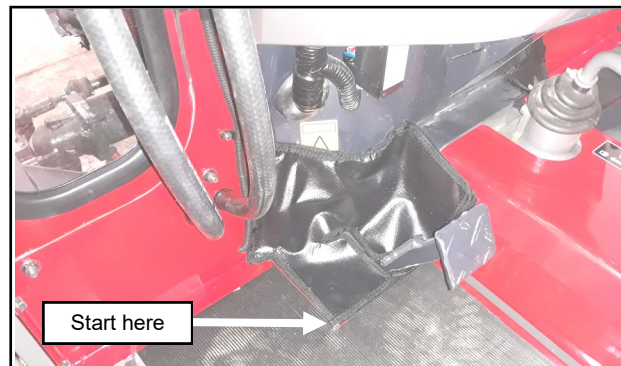


Fig. 19.1 (Set The Left Pedal Filler Into Place)

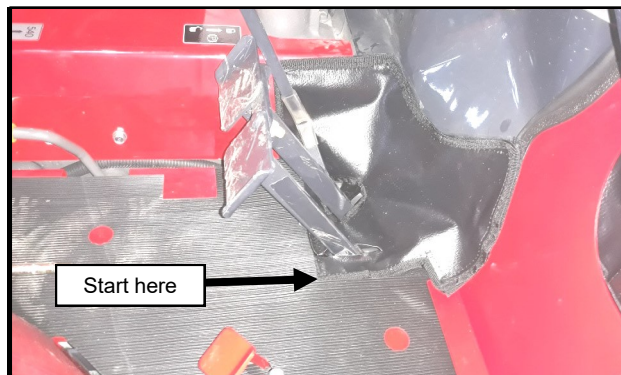


Fig. 19.2 (Set The Right Pedal Filler Into Place)

CAB INSTALLATION

STEP 20: (LOADER CONTROL FILLER)

NOTE: If you have an L105E Loader, refer to the adapter kit instructions.

- 20.1** Pre-install the supplied Velcro to the loader control filler. Leave the release tape on until the filler is in place.
- 20.2** Loosen the lower screw securing the right side of the cowl so the filler can be installed between the cowl and right side frame.
- 20.3** Slide the filler over the loader control lever and set into place. See Figure 20.3.

NOTE: If the filler does not align well with the loader control valve, loosen the mounting bolts for the loader control valve and adjust its position.

The top edge of the filler attaches to the inside of the cowl, while the right side, bottom, and left side transition to the outside of the cab and vehicle.

- 20.4** Make sure the top edge of the filler overlaps the cowl enough and then secure the side of the filler to the side frame tube. See Figure 20.4.
- 20.5** Secure the top edge of the filler to the Cowl. See Figure 20.5. Curl the inner edge and transition it to the outside of the vehicle under the rubber cowl flap.
- 20.6** Line up the inner edge of the filler to the front of the gray plastic vehicle cowl and secure. See Figure 20.6.

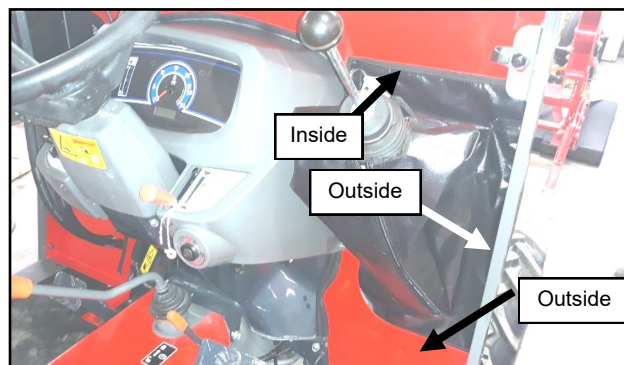


Fig. 20.3 (Set The Loader Control Filler Into Place)

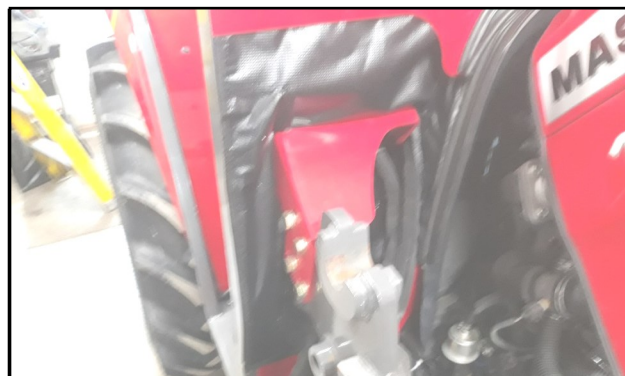


Fig. 20.4 (Secure Side Of Filler)

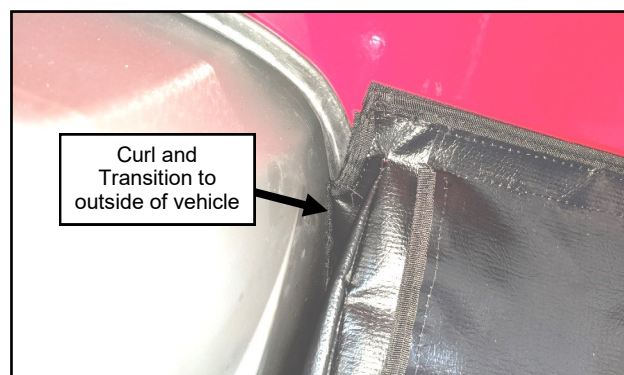


Fig. 20.5 (Transition Filler To Outside)

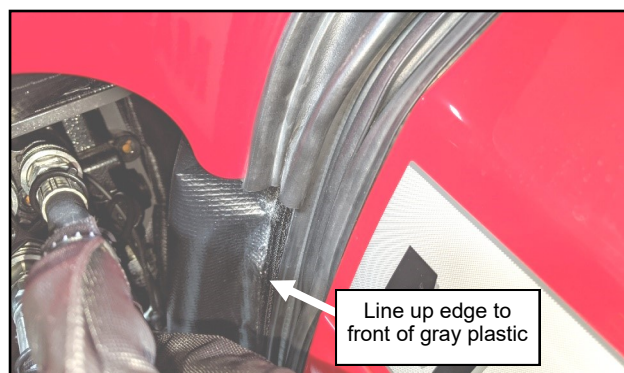


Fig. 20.6 (Line Up Edge Of Filler)

CAB INSTALLATION

STEP 20: (LOADER CONTROL FILLER CONTINUED)

- 20.7 Line up the inner edge of the filler to the front of the gray plastic vehicle cowl and secure. See Figure 20.7. Transition the filler to the right Front Leg.
- 20.8 Secure the bottom edge of the filler. See Figure 20.8.
- 20.9 Finally secure the filler to the loader control applying Velcro around cutout for decal. See Figure 20.9.
- 20.10 Tighten the lower screw securing the right side of the cowl.

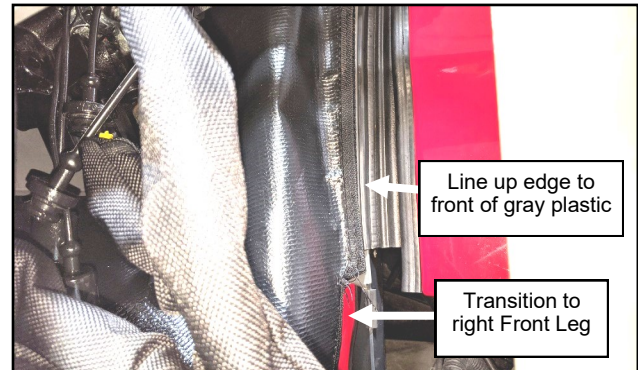


Fig. 20.7 (Transition Filler To Outside)

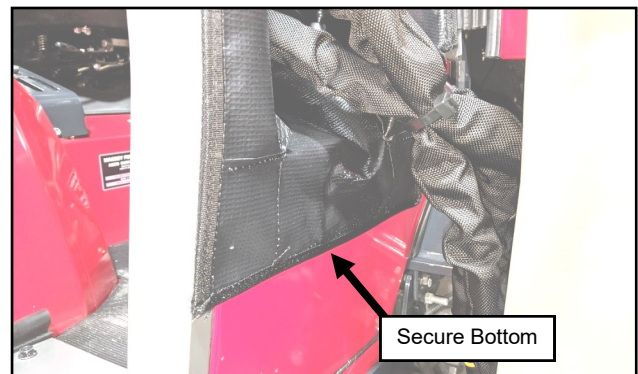


Fig. 20.8 (Secure Bottom Of Filler)

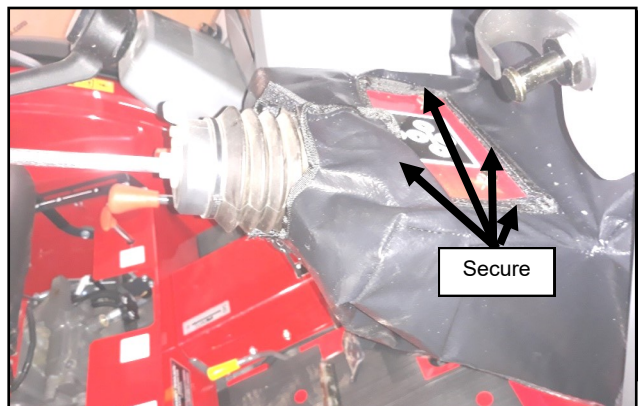


Fig. 20.9 (Secure Around Decal)

CAB INSTALLATION

STEP 21: (UNDER SEAT FILLER)

NOTE: Open and or remove the glass rear panel for easier access.

- 21.1 Pre-install the supplied Velcro to the under seat filler. Leave the release tape on until the filler is in place.
 - 21.2 Tip the seat forward or remove completely by pulling the pivot pin. Set the filler in place starting at the back left corner, going between the seat belt and speed selector lever, and wrapping it around the seat.
 - 21.3 Center the filler between the (3) storage pouch holes and stick the middle down to the top of the cross brace, butting the back edge up to the lower rear panel. See Figure 21.3. After the center is secured, work your way left and right to secure the rest of the rear edge of the filler to the Lower Rear Panel. Do not attach the sides of the filler at this time.
 - 21.4 At the left front corner of the filler, line up the inner left edge between the Diff. Lock decal and sheet metal edge and secure. See Figure 21.4. Curl the outer edge and secure it to the **UNDERSIDE** of the speed selector lever guard, lining it up edge to edge. At the back of the guard, transition the filler to the side of the fender.
 - 21.5 Make sure the front of the filler is centered between the decals and repeat the process from step 21.4 to the right side edge. See Figure 21.5. Curl the outer edge and secure it to the **UNDERSIDE** of the 3 point hitch selector lever guard, lining it up edge to edge. At the back of the guard, transition the filler to the side of the fender.
- NOTE:** Trimming may be required if the tractor is equipped with a PTO lever to the right of the seat.
- 21.6 With the sides done, secure the front half of the filler. See Figure 21.5.
 - 21.7 Secure the middle split in the under seat filler on the right hand side so that the front and back sections butt up to each other. See Figure 21.7. There is a corresponding strip of Velcro on the middle of the left side of the filler that can be accessed from the back of the tractor below the cab.
 - 21.8 Finally, smooth and secure the left and right rear edges of the under seat filler.

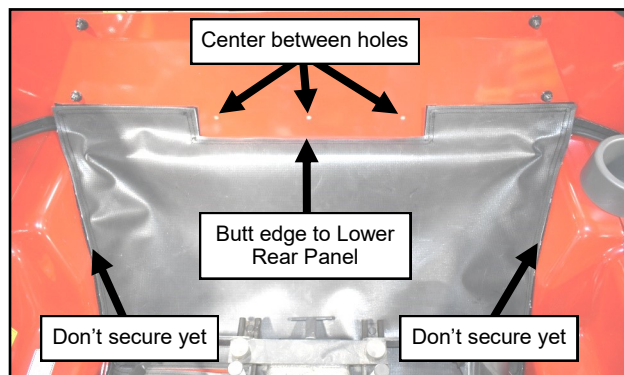


Fig. 21.3 (Secure Back Of Under Seat Filler)

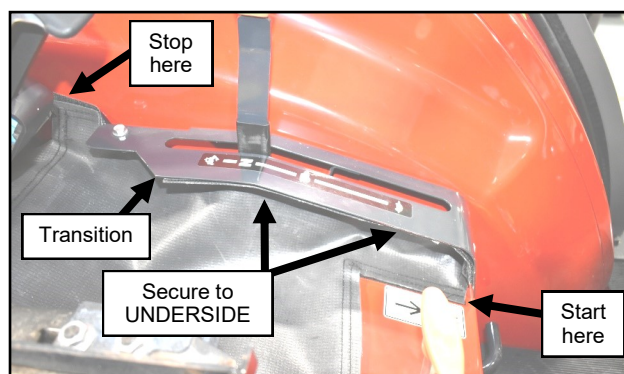


Fig. 21.4 (Secure Front Left Corner Of Under Seat Filler)

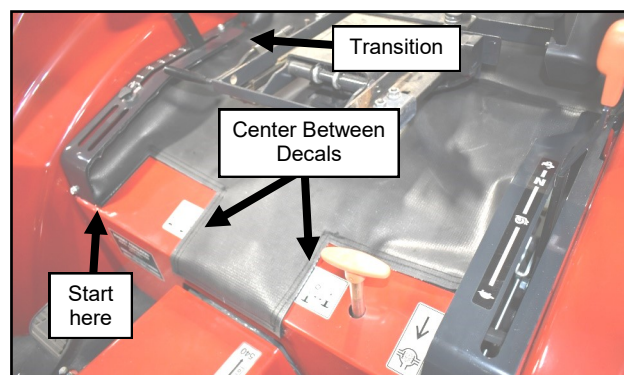


Fig. 21.5 (Secure Front Right Corner Of Under Seat Filler)

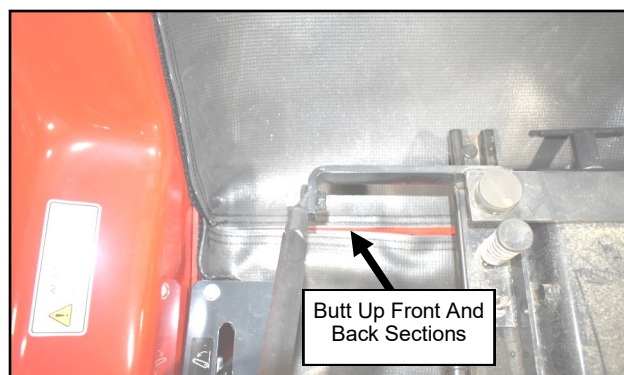


Fig. 21.7 (Install Under Seat Filler)

CAB INSTALLATION

STEP 22: (ACCESSORIES/PLUGS/CUP HOLDER)

- 22.1** If installing accessories, please do so now. If not, use the supplied plugs to fill any exposed holes in the roof or windshield support. See Figure 22.1.
- 22.2** Install the Toolbox to the right side frame using the supplied bracket and hardware. See Figure 22.2. Use the factory wing bolts to secure the toolbox to the bracket.

Hardware Used

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

Qty

2

Tools required

1/2" Wrenches and/or Sockets

- 22.3** Install the Storage Pouch to the lower rear panel using the supplied hardware. See Figure 22.3. Start with the screws and fender washers inside the pouch, then mount it to the rear panel.

Hardware Used

#10-32 x 5/8" Pan Head Screw

Qty

3

#10 Fender Washer

3

#10-32 Hex Nut

3

Tools required

#2 Phillips Screw Driver

3/8" Wrenches and/or Socket

22.4 Optional Rear Wiper Note:

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

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

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

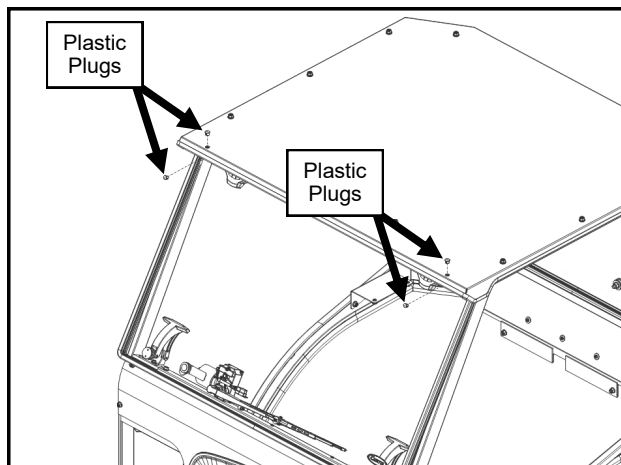


Fig. 22.1 (Install Plugs)

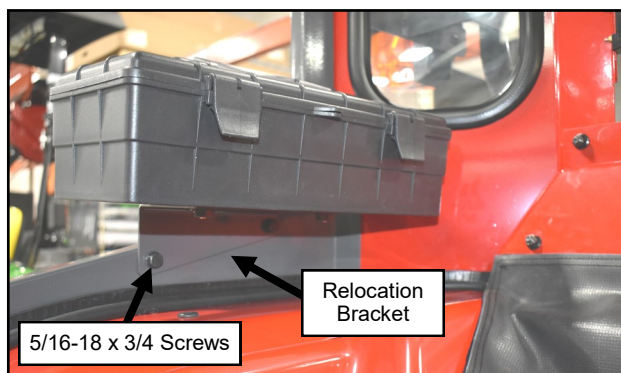


Fig. 22.2 (Install Toolbox)



Fig. 22.3 (Install Storage Pouch)

CAB INSTALLATION

STEP 23: (DOORS)

- 23.1** Install the supplied brass washers (one washer per pin) onto the hinge pins on the left side and then apply grease to the pins.
- 23.2** Loosen the door hinges to allow for adjustment later. Hang the left door on the hinges. While lifting up and forward on the door handle, line up the door latch with the striker pin and carefully attempt to latch. You should be able to hear 2 clicks as you slowly engage the latch on the pin. If the latch is too far forward or back to latch on the pin, adjust as shown. See Figures 23.2a through 23.2c. Then retighten and latch.
- 23.3** Stand back and examine the alignment of the door with the roof and the A-pillar. You can adjust this by moving the striker pin up or down as shown to help with alignment. *TIP: In the final step, the front of the door will drop a small amount the first time you open it. Set the front of the door a little bit higher so it aligns properly.* Adjust as necessary until you are happy with the alignment. Have an assistant sit inside the cab and once more carefully close the door like you did in step 23.2. Work with the assistant and tighten the hinge bracket bolts.
- 23.4** Open the door and check for smooth operation of the latch. As noted in step 23.3, the door will likely drop a little bit at the front and the striker pin will need to be adjusted down accordingly. Also make sure the door seal is making contact along the perimeter of the door and the latch clicks twice when closing. If necessary, adjust the striker in or out to achieve this.
- 23.5** With the door open, attach a gas strut to the ball studs on the side frame and door. Make sure the quick release end is on the side frame so that the gas strut stays with the door if removed for ventilation.
- 23.6** If installing a side mirror, do so now. Otherwise, install (2) supplied rubber grommets into the mirror holes.
- 23.7** Repeat steps 23.1 through 23.6 for the right door.

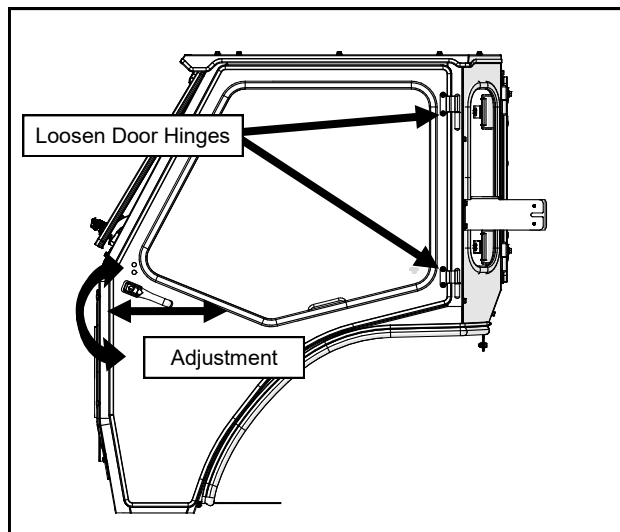


Fig. 23.2a (Door Hinge Adjustment)

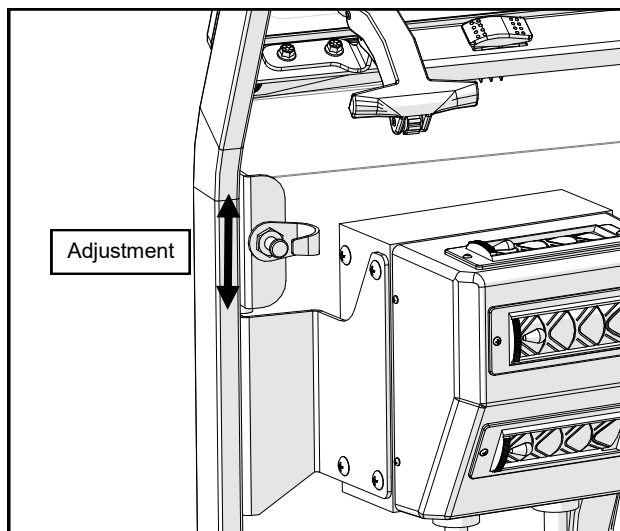


Fig. 23.2b (Striker Pin Adjustment)

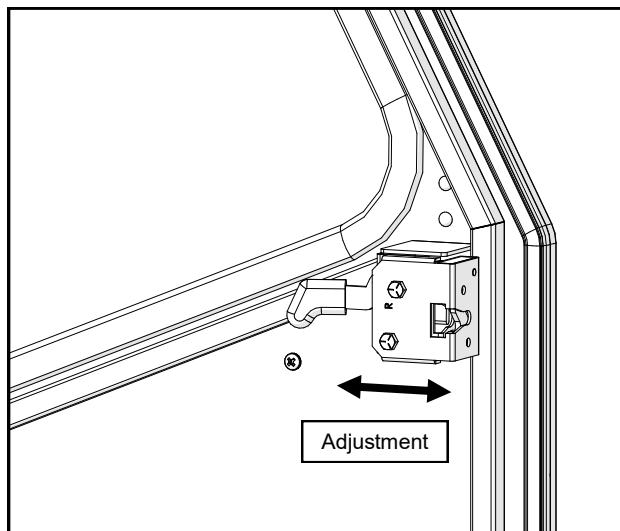


Fig. 23.2c (Door Latch Adjustment)

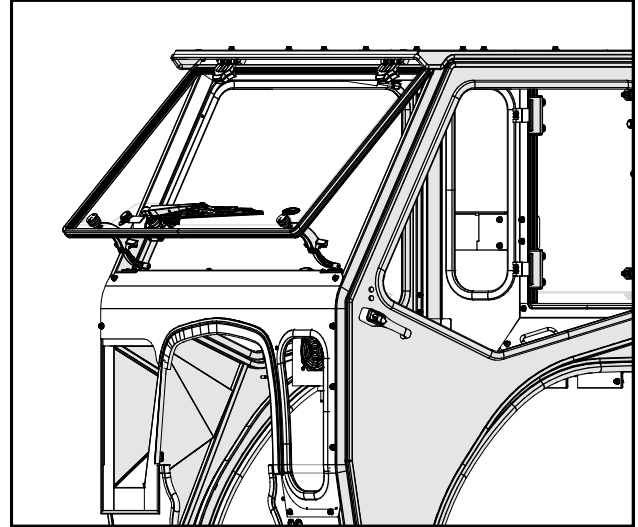
STEP 24: (FINISHING TOUCHES)

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

CAB FEATURES & OPERATION

POP-OUT WINDSHIELD

Your 1700E 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.



Pop-Out Windshield

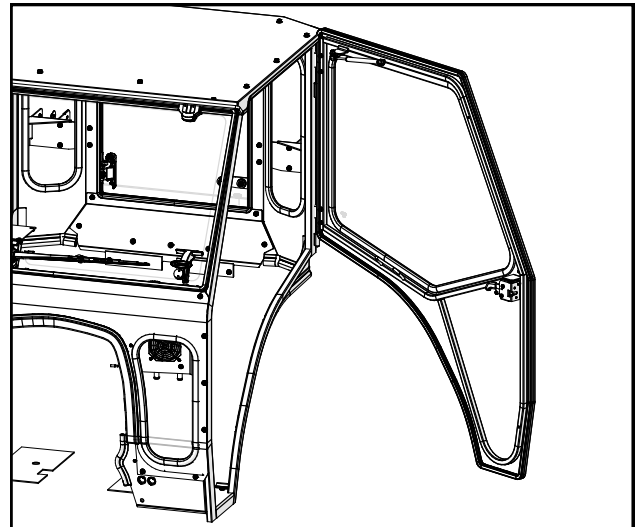
LIFT-OFF DOORS

For added ventilation, the doors on the 1700E cab lift off in seconds without tools.

To lift off:

1. Disconnect the gas strut from the side frame by sliding the quick release lever and pulling the strut down.
2. Rotate the doors 90° to the cab and lift. Also, remove the hinge washers and store in a plastic bag.

Store the doors in a safe location to prevent damage.



Lift-Off Doors

REMOVABLE REAR WINDOW

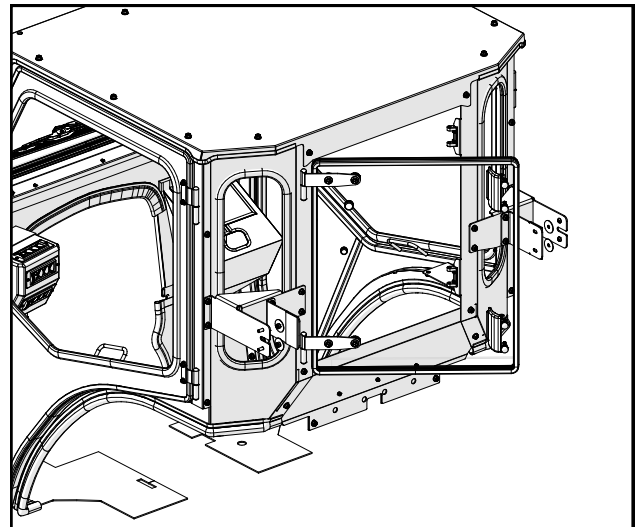
The rear window can also be removed for added ventilation.

To remove the rear window:

1. Open both window latches and disconnect from right rear leg with tabs on latch. Open the window taking care not to let the window open into the ROPS or damage may occur.
2. From outside of the cab, lift up on the rear window and slide off the hinges. Remove the hinge washers and store in a plastic bag.

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

To reinstall the rear window, reinstall the hinge washers, align the hinges with the pins and drop into place. Re-attach the latches to the rear leg.



Removable Rear Window

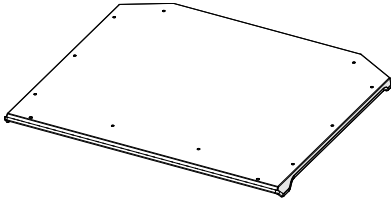
CARE AND MAINTENANCE

- 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. 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.

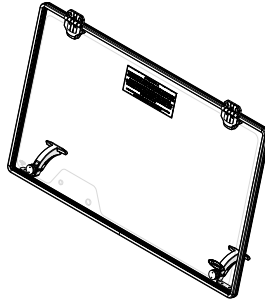
MASSEY FERGUSON 1700E CAB

SERVICE PARTS

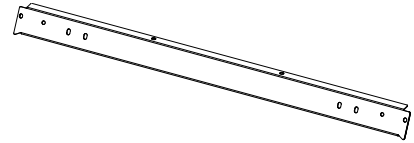
ROOF ASSEMBLY
P/N: 8SV-101-00054



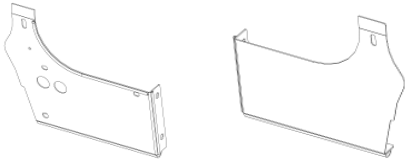
WINDSHIELD ASSEMBLY, 45.75" X 27"
P/N: 8SV-102-00022



WINDSHIELD SUPPORT
P/N: 8SV-103-00020



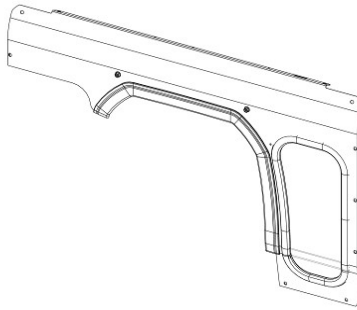
FRONT LEG ASSEMBLY, LEFT & RIGHT
P/N: 8SV-104-00019



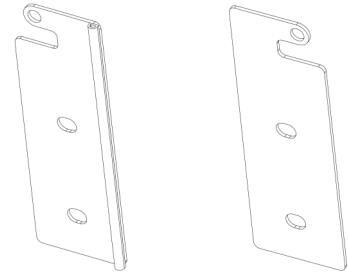
LEFT

RIGHT

COWL ASSEMBLY
P/N: 8SV-105-00028



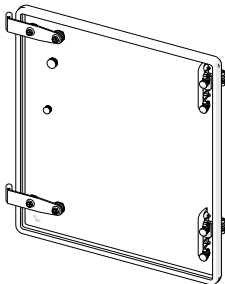
ADAPTERS,
FRONT LEG P/N: 8SV-113-00244



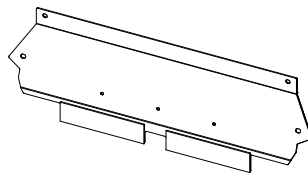
For left side of tractor

For right side of tractor

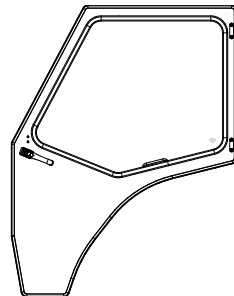
GLASS REAR PANEL LIFT OFF,
26.75 X 23.25, 3/16" THICK
P/N: 8SV-106-00023



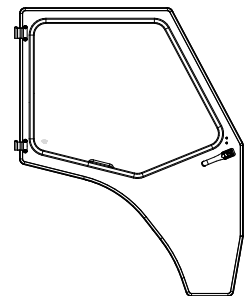
LOWER REAR PANEL
P/N: 8SV-106-00032



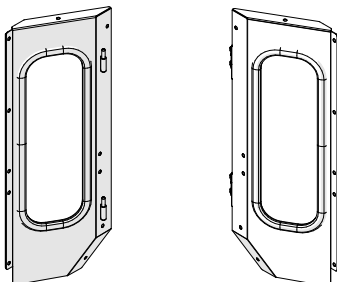
DOOR ASSEMBLY, LEFT
P/N: 8SV-107-00037-L



DOOR ASSEMBLY, RIGHT
P/N: 8SV-107-00037-R



REAR LEG ASSEMBLY, LEFT & RIGHT
P/N: 8SV-108-00020-L & R



LEFT

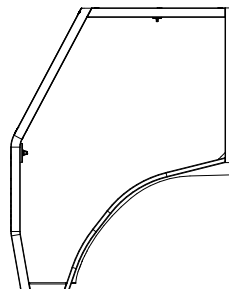
RIGHT

COWL INSERT, 1700E
P/N: 8SV-SM-01862

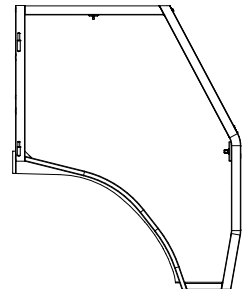


REQUIRED ON
THESE MODELS:
1724E
1739E

SIDE FRAME ASSEMBLY,
LEFT P/N: 8SV-109-00017-L

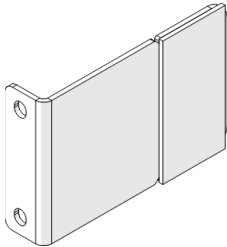


SIDE FRAME ASSEMBLY,
RIGHT P/N: 8SV-109-00017-R

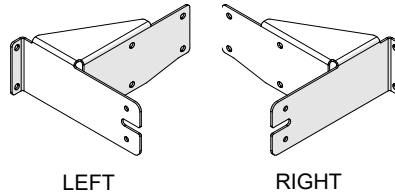


MASSEY FERGUSON 1700E CAB SERVICE PARTS

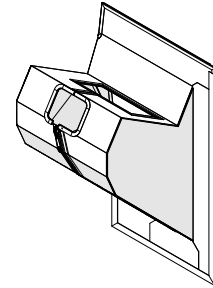
ROPS BRACKET ASSEMBLY
P/N: 8SV-110-00065



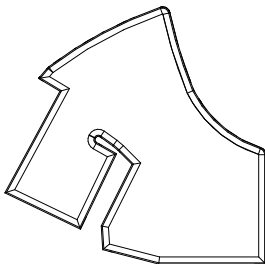
ROPS MOUNT ASSEMBLY
P/N: 8SV-SM-01447-L & R



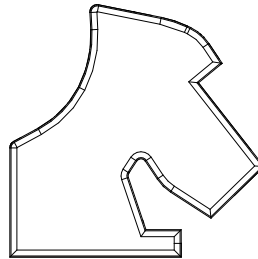
LOADER CONTROL FILLER ASSEMBLY
P/N: 8SV-112-00046



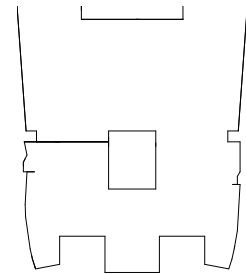
LEFT PEDAL FILLER ASSEMBLY
P/N: 8SV-112-00043



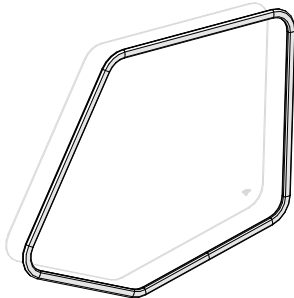
RIGHT PEDAL FILLER ASSEMBLY
P/N: 8SV-112-00044



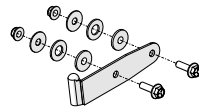
UNDERSEAT FILLER ASSEMBLY
P/N: 8SV-112-00045



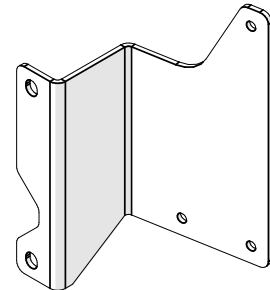
DOOR WINDOW WITH RUBBER
P/N: 8SV-9GL-00054



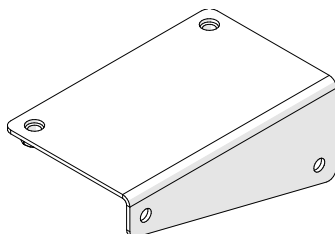
GLASS HINGE SLEEVE WITH
MOUNTING HARDWARE
P/N: 8SV-PL-00021



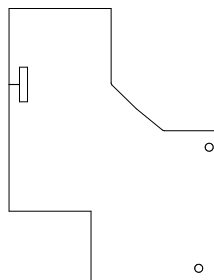
HEATER BRACKET
P/N: 8SV-SM-01275



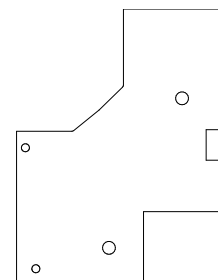
TOOLBOX RELOCATION BRACKET
P/N: 8SV-WA-00337



LEFT FLOOR MAT
P/N: 8SV-9FR-00060-L



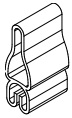


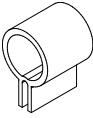
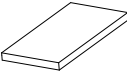




RIGHT FLOOR MAT
P/N: 8SV-9FR-00060-R



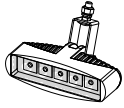
ADDITIONAL SERVICE PARTS

PART NUMBER	DESCRIPTION
8SV-P-00105	REAR LEG WINDOW WITH RUBBER
8SV-P-00106	COWL WINDOW WITH RUBBER
9SV-DP11	DOME PLUG 1/2" (BAG OF 10)
9SV-DP10	DOME PLUG 3/8" (BAG OF 10)
9SV-HWS	WINDSHIELD HINGE KIT
9BLK01	WINDSHIELD HINGE BLOCK SPACER, TALL STYLE, 3/4" THICK
9PWM110	WIPER MOTOR, 110 DEGREE
9PWB20-FB	WIPER BLADE, 20", FLEX
9PWA14-16	WIPER ARM, ADJUSTABLE LENGTH (11" - 16")
9PWK-HB	GLASS MOUNTING KIT FOR WIPER SYSTEMS
9SV-DSTRH	DOOR STRIKER KIT-INCLUDES CASE HARDENED STRIKER BOLT
9SV-IHRL	INSIDE HANDLE ROTARY LATCH KIT (INCL. L & R)
9SV-OHRL	OUTSIDE HANDLE ROTARY LATCH KIT (SET OF 2)
9SV-9PHW010-W	HINGE WASHER, KIT (SET OF 4) OD .635, ID .41, THK .08
9PI01	POLY INSERT 1", 14-20 GA BLK MATTE, INSERT FINS .94/.95 (QTY.: 1)
9PI02	POLY INSERT 3/4", 14-20 GA BLK MATTE FINISH, INSERT FINS 0.69 (QTY.: 1)
9SV-WL1	WINDSHIELD LATCH KIT 1, POPS OPEN W/S FOR VENTING ONLY
8SV-WL3	WINDSHIELD LATCH & BRKT ASS'Y. SGL POST (SET OF L&R)
9SV-GS02Q	GAS SPRINGS, 12-3/8 EXT, QUICK DISCONNECT ENDS (SET OF 2)
9SV-9DPSB	HEATER HOSE BUSHINGS (QTY. 2), SNAP BUSHING, .750" X 1.093"
9SV-9HR-0005	TEE FITTING, 1-1/8" x 1-1/8" x 5/8"
9SV-9HR0039	90 DEGREE HEATER HOSE ELBOW, 5/8" BARBED ENDS
9SV-9HR0045	BLOCK ADAPTER (3/8" NIPPLE)
9SV-9HR0048	ROCKER SWITCH (HI-OFF-LOW)
9SV-9HR00601.0	HOSE CLAMPS #10 (1") (QTY.: 6)
9SV-9HR00601.5	HOSE CLAMPS #16 (1.5") (QTY.: 2)
9SV-HRH61-20	HEATER HOSE (5/8" I.D.)-20 FT
9SV-TBP12920	HARNESS (SPIRAL) WRAP, CUT 20" IN LENGTH
9SV-UHTRILV	UNIVERSAL HEATER IN-LINE VALVE (SET OF 2)
9SV-9HR-L	REPLACEMENT LOUVER-15,000 & 20,000 BTU HEATER, KL47
8SV-9PH20WG	TUCK-AWAY HEATER WITH WIRED GROUND
9PH20-2	FAN 120 x 120 x 38 12VDC 12W 3200 RPM
9SV-WH-00072	WIRING HARNESS POWER
8SV-WH-GF	WIRE HARNESS, GLASS FUSE
9DL01H	KEYS, SET OF 2 ON A RING, FOR HANDLE 1096-1, KEY CODE C40
8SV-HKWCG-L	HINGE KIT, TOP & BOT., LEFT
8SV-HKWCG-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	ARCH PSA RUBBER	WINDOW RUBBER	1" STD BULB, 1/16" GRIP	2" SPONGE RUBBER	3/4" SIDE BULB, 1/4" GRIP	ARCH PSA .2 X .15
								
9SV-PRO1-10	9SV-PRO2-15	9SV-PRO5-10	9SV-PRO9-10	9SV-PR10-10	9SV-PR19-10	9SV-PR35-5	9SV-PR38-15	9SV-PR53-15

OPTIONAL ACCESSORIES FOR MASSEY FERGUSON 1700E CAB

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



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



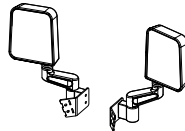
STROBE LIGHT (P/N: 9LEDS2)



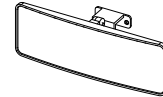
DOME LIGHT (P/N: 9LEDD14)



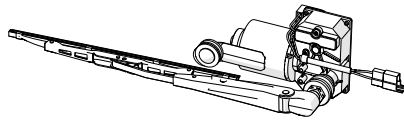
SIDE VIEW MIRRORS (P/N: 9PM5)



REAR VIEW MIRROR (P/N: 9PM3)



REAR WIPER KIT, 85 DEG W/ 12" FLEX BLADE (P/N: 9PWK8512F9-11A)



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 previous 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.

SAE Grade No.		2				5				8*			
Bolt head identification mark as per grade.						  				  			
NOTE: Manufacturing Marks Will Vary													
Bolt Size		TORQUE				TORQUE				TORQUE			
		Pounds Feet		Newton-Meters		Pounds Feet		Newton-Meters		Pounds Feet		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

5.6

8.8

10.9

Size of Screw	Property Class	Course Thread			Fine Thread		
		Pitch (mm)	Pounds Feet	Newton-Meters	Pitch (mm)	Pounds Feet	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