

Massey Ferguson 1800E ROPS Cab

** Shown with optional equipment



Please note: Cab is shown with optional accessories.

Massey 1800E ROPS Cab

This ROPS cab is designed and built to fit the Massey Ferguson 1825E, 1835E and 1840E tractor.

Designed and Built by:

Tektite Manufacturing Inc:

427 Buffalo Street

P.O. Box 639

Winkler, MB

R6W 4A8

Canada

PH: 204-331-3463

Fax: 204-331-4159

sales@tektite.ca

One year standard product warranty provided by Tektite.

www.tektite.ca



Caution

** Please read installation instructions and follow all safety statements before attempting operating this ROPS product.

** A copy of this operator manual should be kept with the machine operating manuals.

Tektite Manufacturing Incorporated thanks you for purchasing a Massey Ferguson 1800E ROPS cab! Tektite has worked very hard to design and build this ROPS product and we hope that it provides you with many years of ROPS protection.

Tektite's ROPS products are designed to provide safe and dependable service during operation when they are properly maintained according to the instructions. Please read this installation manual carefully before installing and using this ROPS product.

The photos/illustrations provided in this manual may not provide all the detail needed, and are for reference only.

All directions provided are from the reference point of the tractor seat facing the steering wheel. All left and right references are from this view point.

For reference, please fill in the information below. This will assist your dealer in providing service for this ROPS. It is advisable that this information be provided to your insurance company as well in the event that the tractor is lost or damaged.

Vehicle Model: _____

ROPS Serial Number: _____

Date of Purchase: _____

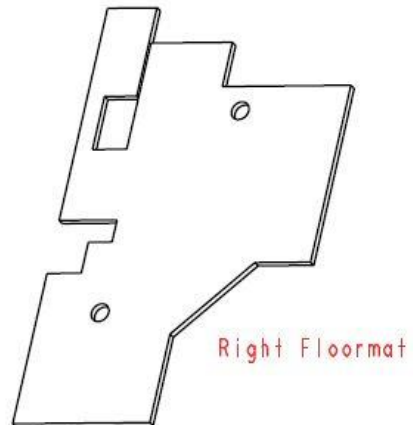
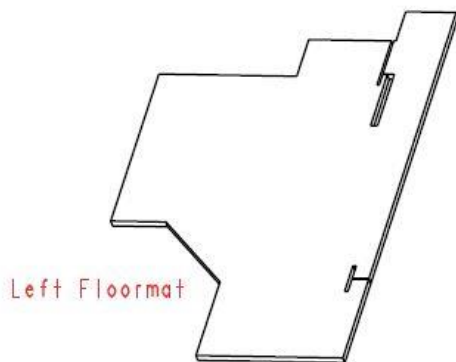
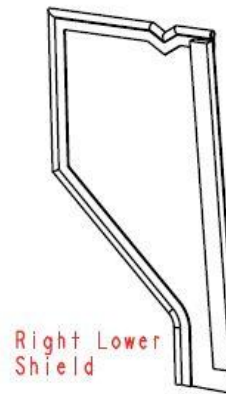
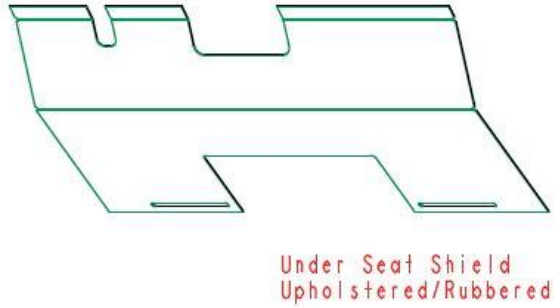
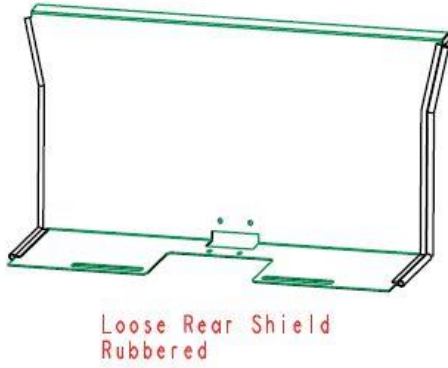
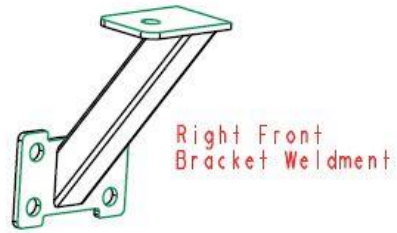
Dealer Name: _____

Parts List Standard Cab:

Description	Qty
Flange Bolt, 1/4" x 3/4", YD	6
Flange Nut, 1/4", YD	2
Floormat, Main Platform	L&R
Under Seat Shield	1
Rear Cab Shield	1
Front Mounting Brackets	L&R
Front Lower Cab Shields	L&R
Bolt, Hex, 5/8" x 3", Gr. 8, YD	4
Washer, Flat, 1/4" thick	4
Nut, Flange, 5/8", Gr. 8, YD	4
Bolt, Hex, 1/2" x 4 1/2"	2
Wire Loop, 1/4"	2

Parts List Water Heater Kit:

Description	Qty
Hose Clamps, HS-6	2
Zip Ties	6



Standard Cab Installation Instructions:

- . Park the tractor in a well-ventilated area, put the loader down along with all tractor attachments.
- . Disconnect tractor battery.
- . Remove the front left and right lower cab shields from cab. Save fasteners for re-installation once cab is on tractor.
- . Un-bolt and remove the lower front left and front right windows from the cab.
- . Remove the clevis pin and retainer on seat pivot and remove seat from the tractor.
- . Remove the four bolts fastening the seat bracket to the tractor, disconnecting seat harness as well. Push indicated bolt down slightly, clearance needed for seat plate.



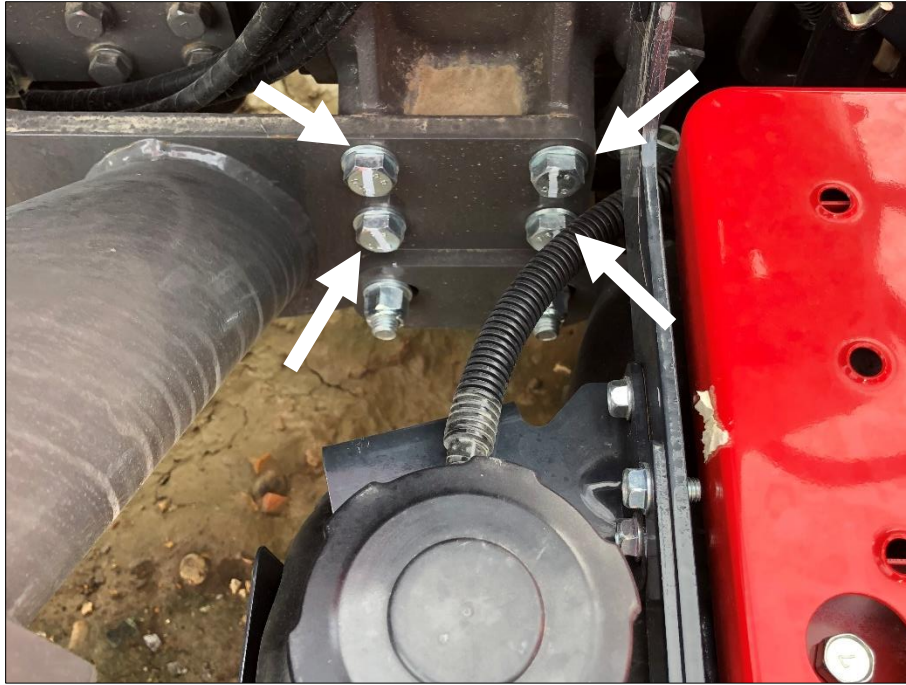
- . Take the under-seat shield and position it onto the tractor, between the fenders, around the seat plate.



- . Re-install the seat mount bracket and re-connect seat harness underneath the seat plate.



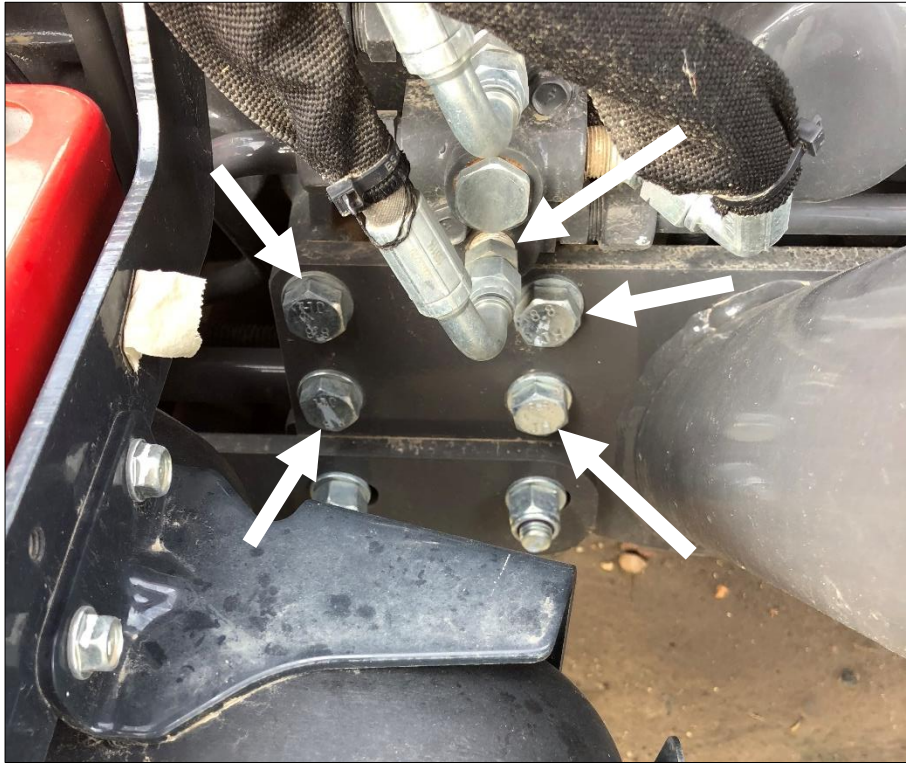
. Take the left front mounting bracket. Remove the four fasteners shown below.



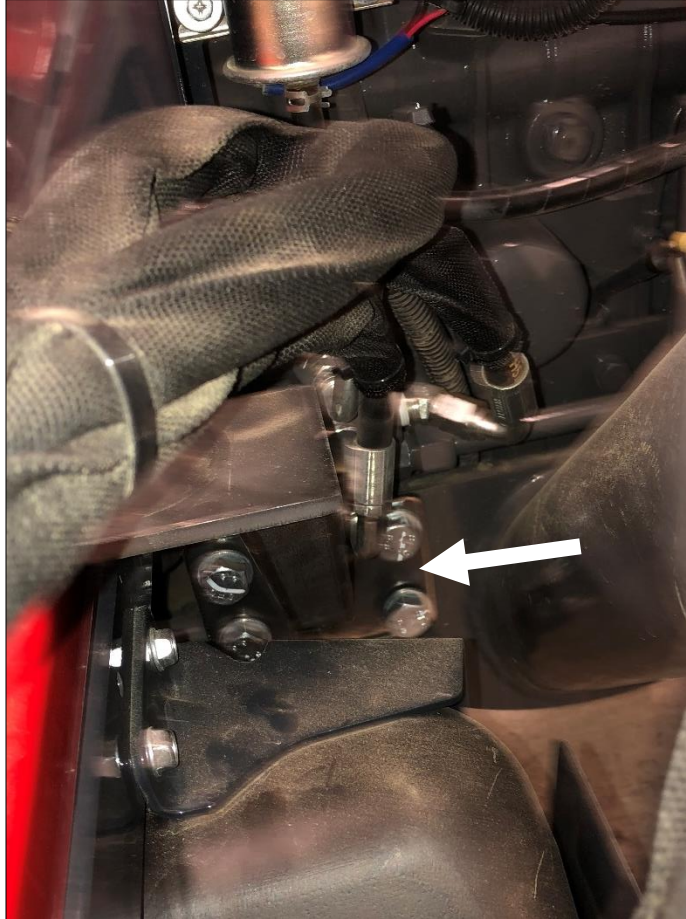
. Position the left front bracket into place and using factory bolts, loosely bolt bracket into place.



. Take the right front mounting bracket. Remove the four fasteners shown below. The hydraulic fitting shown may need to be rotated slightly to provide clearance.



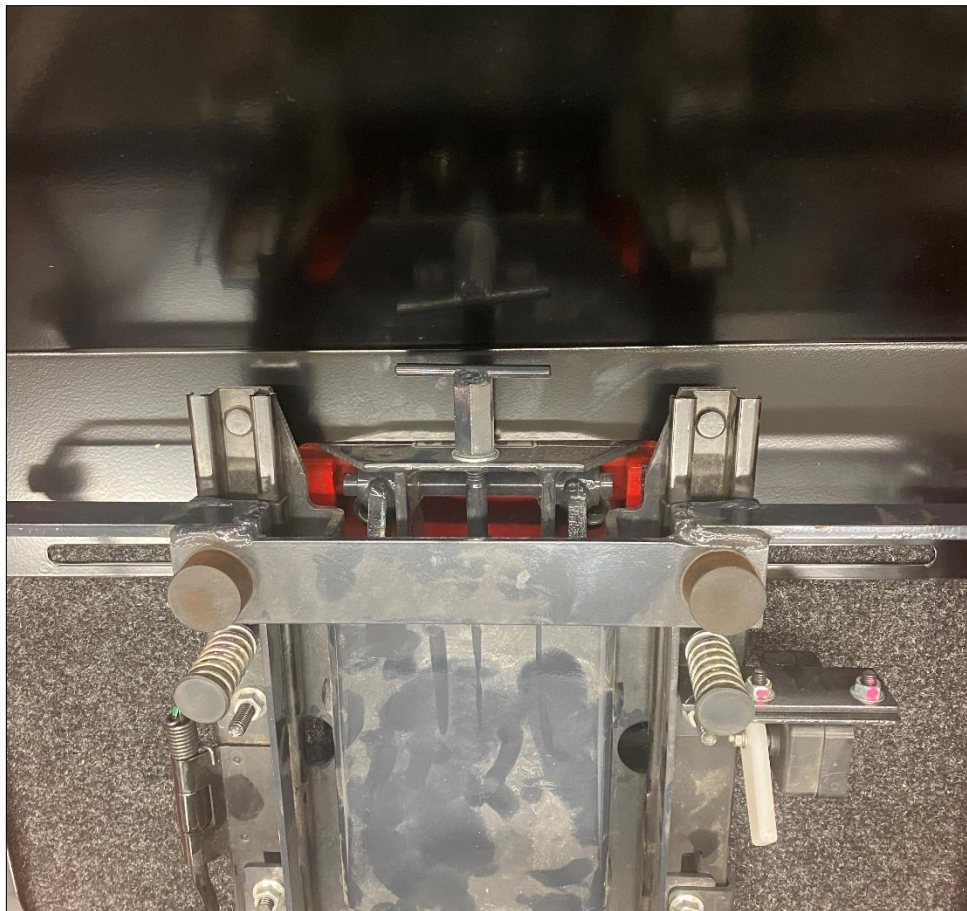
. Position the front bracket into place, re-use factory bolts and loosely fasten bracket into place.



- . Un-bolt the loader hydraulic valve mount bracket from the loader.
- . Un-bolt the loader valve from the valve mount bracket and position down onto tractor until cab is installed.



- . Remove the upper hoop of the 2-post ROPS.
- . Take the loose rear shield and position between inner fender wells, with top sealing onto crossbar, and bottom going over top of the under-seat shield. Use the provided $\frac{1}{4}$ " x $\frac{3}{4}$ " flange bolts and nuts and bolt into place, one per side through the open holes in the shields and into tractor.



. Take the clevis pin and re-install the seat onto the tractor.



. Return to the cab in order to install cab lift bolts.

. To remove the doors, the gas shock must be released from the pin. Use a flat screwdriver underneath the small clip on the end cap that must be pulled UP to pop the shock off the ball stud. **The shock will release very easily when this is accomplished.** Lift the door assembly straight up and off the cab and put aside for now. Repeat for the other side.



- . Take the provided cab lift bolts, $\frac{1}{2}$ " x 4 $\frac{1}{2}$ " hex bolts, and fasten to the weld nut located at the top rear of the door opening on both sides. Nut is located behind the tab.
- . Use a lift strap or chain and connect the two lift bolts together. Attach to an overhead hoist or forklift and get ready to lift off the shipping pallet.
- . Un-bolt the cab from the shipping pallet at the front and the rear locations. Lift straight up and off the shipping pallet.
- . Raise and position cab so that it is directly over the tractor. Slowly lower cab down onto tractor until front mount isolators are on top of front bracket plates. The rear isolators need to be on the OUTSIDE of the 2-post ROPS and will be using the TOP bolt hole.
- . If necessary, clamp the 2-post ROPS together for clearance. Get all four isolator fasteners started. For rear isolators, the heavy flat washer goes on the outside of the cab mount plate to compress the rubber. For the front isolators, the heavy flat washer goes on the top of the mount plate. Use the provided 5/8" x 3" hex bolts, 5/8" flange nuts, and heavy flat washer at each mount location.



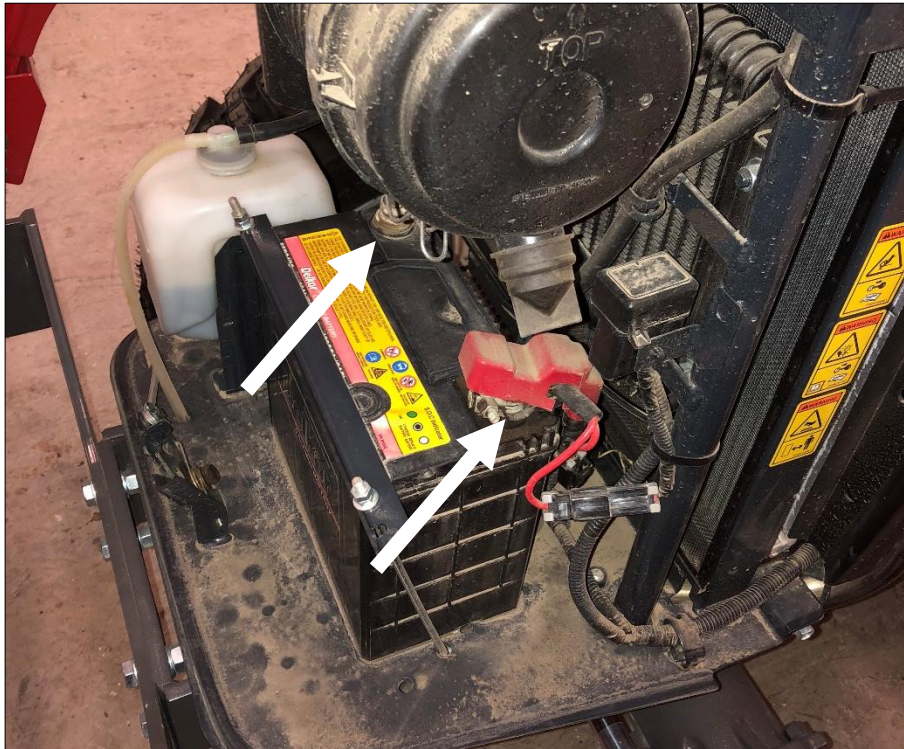
- . Once all FOUR isolators are started, you can apply torque to the fasteners. Tighten isolators first, 205 ft-lbs, front brackets last, same torque.
- . Disconnect the hoist from chain/lift strap and remove from the cab lift bolts.
- . Remove the cab lift bolts and store if cab is going to be removed later.
- . Take the left front lower cab shield and re-install onto cab. Position on outside of the cab and fasten into place with original bolts and nuts.



. Take the right front lower cab shield and re-install onto cab. Position on outside of the cab and fasten into place with original bolts and nuts.



. Route the main power harness toward the engine bay from the cab A-post. Connect the black wire to the battery negative terminal. Use the provided $\frac{1}{4}$ " loop, shorten wire if necessary, then solder on loop. Connect the red wire to the battery positive terminal. Use the provided $\frac{1}{4}$ " loop, shorten wire if necessary, then solder on loop.

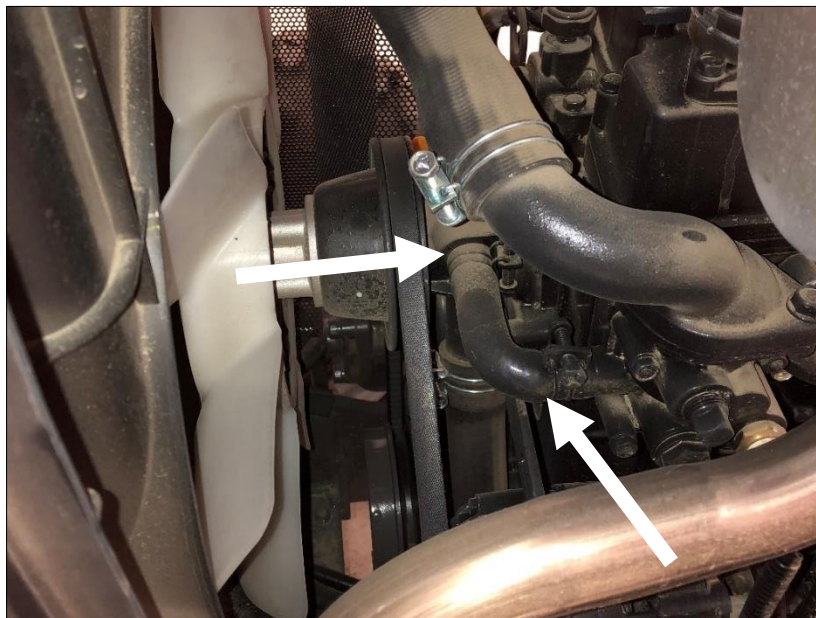


. Drain the engine coolant.

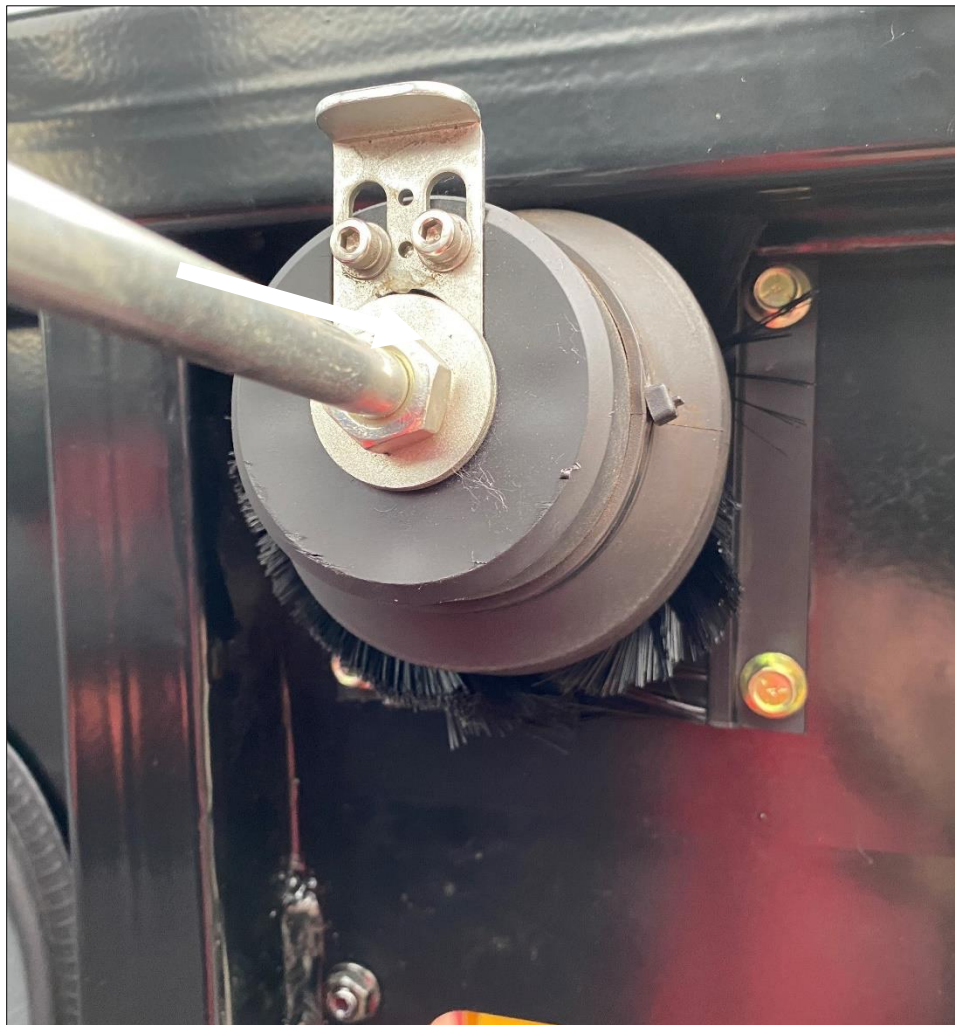
. Route the heater hoses through the hole in the operator floor behind the pedal on the left side.



. Locate the coolant bypass hose and remove.



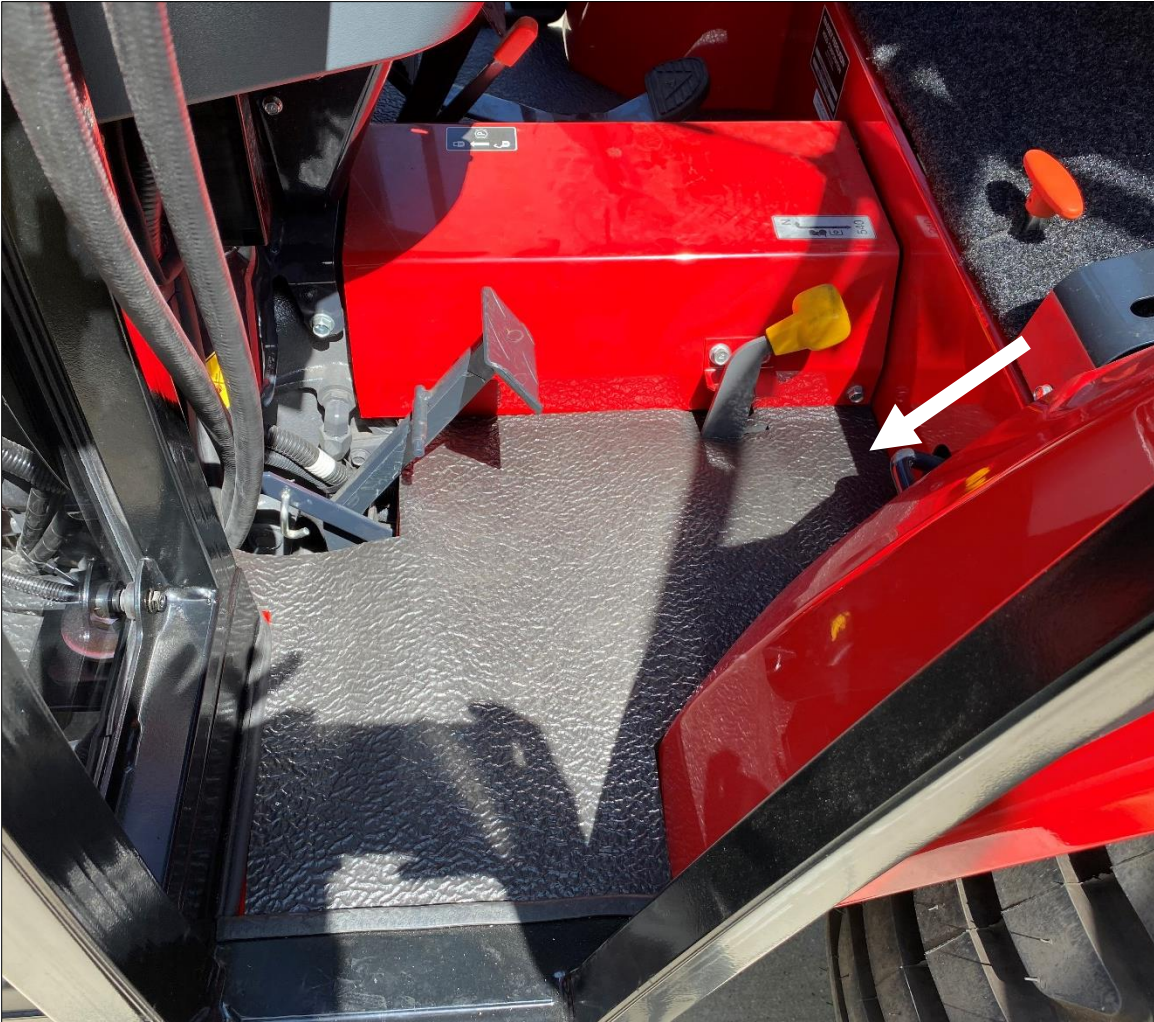
- . Route the heater hoses into the engine bay, keeping away from hot surfaces and moving components. Route to the top fitting location first, cut hose and connect to open port with provided HS-6 hose clamp.
- . Route the remaining hose to the other open port. Cut hose as necessary, then secure to open port with provided HS-6 hose clamp.
- . Re-fill the engine antifreeze.
- . Ensure that cab heater vents are wide open. Start tractor and turn fan switch in switch plate on. Run engine at high RPM to generate heat and get thermostat to cycle. Continue adding engine coolant until air coming out of vents is VERY HOT.
- . Prepare to install loader valve onto cab.
- . Take the loader valve and slide handle through large hole in front mount plate.



. Using the factory hardware, bolt the loader valve to the mount plate on the cab.



. Take the left cab floormat and position onto the left floorboard of the tractor. Slide around pedals ensuring there is no interference with pedal range of motion. If necessary, cut floormat if there is interference.



. Take the right cab floor mat and position onto the right floorboard of the tractor. Position around hydrostatic pedal, ensuring the pedals have full range of motion. If necessary, cut down floor mat to remove interference.



- . Re-install the lower left front window. Install the bolts at the top of the window first. Slowly, while applying even pressure, work your way down to the bottom two fasteners. Do not over tighten bolts.
- . Repeat for install lower right front window with same procedure.
- . To ensure a proper seal, use a black silicone around all the small open cracks between the cab weather stripping and the tractor.

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Vehicle Model: _____

ROPS Serial Number: _____

Date of Purchase: _____

Dealer Name: _____

Tektite Limited Warranty

Tektite Manufacturing Inc. (“Tektite”) warrants to the original purchaser (the “Claimant”), that Tektite products will be free from defective materials or workmanship, under normal use and service, for a period of (1) full year from the original invoice date. Tektite’s liability under this Limited Warranty is limited to the repair or (at the discretion of Tektite) the replacement of those components of its products, which were manufactured by Tektite that are defective in materials or workmanship. Tektite shall have no liability under this Limited Warranty unless Tektite is notified of the defect during the stated Warranty Period.

Limitations and Exclusions: Tektite has no responsibility to a Claimant under this Limited Warranty or on any other basis for any of the following:

- a) defects caused, in whole or in part, by accident or misuse, negligence or failure to maintain the product or component;
- b) products or components sold to a customer on an “as is” basis;
- c) wiper blades, light bulbs, fuses, clear vinyl or other consumables;
- d) glass where the point of failure has not been preserved intact and delivered to Tektite for analysis of the cause of the failure;
- e) products or components which have been modified after shipping from Tektite to its customer;
- f) transportation charges for returned, repaired or replacement items;
- g) defects that are subject of a Tektite initiated recall where the Claimant fails to comply with the terms of the recall notice that comes to the attention of the Claimant;
- h) components of Tektite products that are manufactured by third parties (Tektite’s only obligation in relation to such components shall be to accord to the Claimant the benefit of any transferable warranty accorded to Tektite by third party manufacturer);
- i) defects in workmanship or materials in products or components that are repaired or replaced by Tektite unless Tektite is notified of the new defect within the Warranty Period that applied to the original product or component that has been repaired or replaced;
- j) defects that result, in whole or in part, from inadequate engineering or specifications provided to Tektite by its customer;
- k) any actual or alleged deficiency in technical or engineering services or advice provided by Tektite to its customer whether provided for valuable consideration or otherwise;
- l) consequential damages, or any other damages whether foreseeable or not, resulting from the defect or any delay in remedying the defect;
- m) any breach or alleged breach of any implied warranty of merchantability or fitness for particular purpose of use;
- n) defects or part failure due to misuse or failure to follow recommended cab installation procedures; and
- o) travel expenses, including mileage.

This Limited Warranty expresses the entire obligation of Tektite, its officers, directors, agents and employees, to its customer or any Claimant in respect of any defect in workmanship, or materials of any product or component sold or manufactured by Tektite whether on grounds of breach of contract, negligence or other tortious liability, breach of express or implied warranty or other basis in law of any jurisdiction.

Acceptance by a customer of delivery of products of Tektite constitutes acceptance of this Limited Warranty in lieu of all other warranties express or implied including without limitation all implied warranties of merchantability or fitness for particular purpose or use and constitutes acceptance by customer of the exclusions and limitations of the liability of Tektite set out above. Once received, the cab should have ALL exterior cardboard, Styrofoam wrapping removed for immediate inspection of product to ensure that no damages have occurred during transportation. Outer coverings should stay off the cab and the cab be stored indoors in a controlled environment. The warranty card must be completed and returned to Tektite.

Warranty claims should be reported to parts@tektite.ca. A warranty claim form and instructions will be provided at this time. Warranty work not pre-authorized by Tektite may not be covered by this warranty agreement. Labor rate and time allowances are fixed by Tektite. Approved warranty claims will be issued in the form of credits applied to customer account.

Safety Precautions

Safety First

Read these instructions carefully. It is essential that you read the instructions and safety regulations before you attempt to assemble or use the features that are on this cab/ROPS.

Danger: Indicates an immediate hazardous situation which, if not avoided, will result in death or serious injury.

Warning: Indicates a potentially hazardous situation which, if not avoided, may result in death or serious injury.

Caution: Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

Important: Indicates that cab or property damage may result if instructions are not carefully followed.

NOTE: All products are designed to give safe, dependable service if they are operated and maintained according to instructions. It is the owner's responsibility to be certain anyone operating this product reads this manual, and all other applicable manuals, to become familiar with this cab and all safety precautions. Failure to do so could result in serious personal injury or cab damage. If you have any questions, consult your dealer. Read and understand this manual before operation.

NOTE: A safe operator is the best assurance against accidents. All operators, no matter how experienced they may be, should read this operator manual and all other related manuals before attempting to operate features in this cab/ROPS and operate the base tractor. Please read the following section and pay particular attention to all safety recommendations contained in this manual and those labelled on the cab and on the tractor.

General Safety

1. Never let an unqualified or untrained driver operate the tractor.
2. Keep a fire extinguisher, with ABC rating securely fastened in the ROPS. Maintain it and be familiar with its use.
3. Do not carry passengers.
4. Never operate the tractor in a closed building for a prolonged period. Ensure adequate ventilation is present, as engine exhaust fumes are poisonous and can kill.
5. Always keep sleeves, jackets or other loose clothing relatively tight and belted. Loose clothing may catch on moving parts and result in severe personal injury or death.
6. Provide a first-aid kit, securely attached inside of the ROPS for use in case of accident.
7. Never jump from the tractor. There is a danger of tripping or falling on protruding parts.
8. Use steps and hand holds when mounting and dismounting the tractor, or for servicing components too high to reach from the ground.
9. When seated in the ROPS, fasten seat belt before starting the engine. A proper seat belt must be worn at all times when using a ROPS.
10. Safety devices and shields are intended to protect operators from injury or death. Under no circumstances should they be modified, disabled or removed.

Operating Safety

1. Always operate the tractor controls while sitting in the operator's seat.
2. Lock seat in position and buckle seat belt before operating the tractor.
3. Avoid abrupt sharp turns at high speeds.
4. On sloped terrain, do not make sharp turns as machine stability could be compromised.
5. Operate the tractor smoothly, avoid abrupt starts and stops.
6. Keep all shields in place when operating the tractor.
7. Do not operate the tractor when you are tired, sick, or impaired.
8. Never operate the tractor in confined areas; visibility next to the tractor is reduced. Injury to bystanders or damage to the ROPS or equipment may result.

Safety

Carefully review the procedures given in this manual and the tractor operator's manual with all operators annually. It is important that all operators become familiar with, and follow safety precautions. Operating instructions must be given to everyone using the tractor before operation and at least once yearly thereafter in compliance with OSHA Regulations 1928.57 (United States).

Safe Operation on Rough Terrain

1. Drive the tractor slowly on hillsides and curves to eliminate the danger of tipping. Avoid slopes which are too steep for safe operation. Avoid sharp uphill turns.
2. Always drive slowly enough over rough ground or obstructions. Drive at speeds slow enough to ensure your safety.
3. When driving out of a ditch, gully, or up a steep hillside, engage the clutch slowly. Avoid sharp uphill turns.
4. When descending steep grades, select a sufficiently low gear to maintain control with minimum use of braking.
5. Use caution when driving near the edge of a ditch or gully. It may cave in, causing the tractor to roll over.
6. Be alert when operating near trees, slopes and around obstructions. Tree branches can cause damage to ROPS components.

Maintenance Safety

1. Remove mud, crop residue, chains, and tools from steps and operator's platform. They may interfere with pedal operation or entry/exit from tractor.
2. When servicing components are too high to reach from the ground use steps and handholds. Do not use fenders or shields that are not designed as steps.

Safe Highway Operation

1. Before operating the tractor on, or near, public roadways check with your local authorities for any local regulations that will affect you.
2. Equip towed implements with slow moving vehicle (SMV) signs when traveling on public roads.
3. Install additional lights on implement rear to safeguard against rear end collisions.
4. Use hazard warning flashers as required by law when transporting or driving on public roads. If the tractor had warning flashers removed when mounting the ROPS, they must be replaced prior to operation on public roads.
5. Keep to the right, yielding right-of-way traffic, especially if pulling implements. Pull off the road and stop to allow motorists to pass. Drive on the road shoulder, if permitted by law.
6. Use extreme caution when pulling heavy loads at road speeds. Avoid hard application of the tractor brakes at high speed.
7. Always drive slowly near curbs, approaches or ditches.
8. If equipped, ensure headlights are aligned so they will not blind the operators of oncoming vehicles. If the tractor is not equipped with turn signals and law requires them, install them prior to operating on or near public roads.

9. Use your turn signals, checking for traffic well in advance of turning. If the tractor is not equipped with turn signals and law requires them, install them prior to operating on or near public roads.

Safety Decals

1. Keep decals clean. Remove dirt with a wet clean cloth when necessary.
2. Replace safety decals if destroyed, missing, painted over or unreadable. If any safety decals are covered or obscured when the ROPS is mounted, it is recommended that you purchase replacement decals from the tractor manufacturer. Mount them in a readable location at, or near, their original location before operating the tractor.
3. New ROPS decals and tractor decals are available from your tractor dealer.

ROPS Safety

1. Install the ROPS in accordance with Tektite mounting instructions. Failure to do so may affect the ROPS ability to withstand a roll over.
2. If the ROPS is subjected to alteration, structural damage or involved in an over turn accident, the entire structure must be replaced. Failure to do so may result in injury or death in the event of a roll over.
3. If the tractor is not equipped with seat belts, purchase approved seat belts from the tractor manufacturer or Tektite prior to operating the tractor.
4. Always fasten seat belts prior to operating the tractor.
5. Always operate the tractor from the operator's seat.
6. Remove mud, crop residue, chains and tools from steps and operator's platform. They may interfere with pedal operation or entry/exit from the tractor.
7. Remove all loose chains, tools, and equipment from the operator's platform. Failure to do so may cause injury or death in the event of a roll over.
8. Do not install the ROPS on a tractor model that the ROPS is not designated for (compatible tractor designations are printed on the ROPS serial number plate). The ROPS is designed specifically for individual models to ensure ROPS requirements will be met. Installing the ROPS on a non designated tractor may result in injury or death.

Emergency Exits

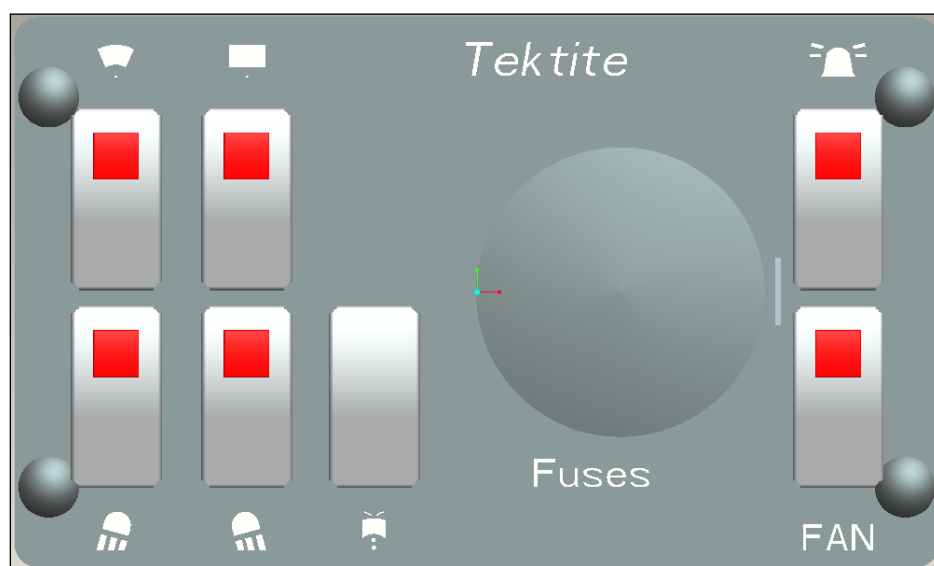
The ROPS cab has two doors. Either one can be used during an emergency.

Operating Instructions

Important

The following section locates, identifies, and briefly describes the functions of all cab controls. All operators should familiarize themselves with control location and function prior to operating the tractor. Failure to do so may result in unsafe operation of the tractor and possible injury or death to operators and bystanders.

There is one switch plate located in the cab. The following switches are available and their functionality is described.



Cab Switch Plate

1. Front Wiper Rocker Switch (standard)

Low position: Off

High position: On

Note: indicator light activates when wiper is on.

2. Rear Wiper Rocker Switch (not available on all models)

Low position: Off

High position: On

Note: indicator light activates when wiper is on.

3. Front Work Light Rocker Switch (standard)

Low position: Off

High position: On

Note: indicator light activates when work lights are on.

4. Rear Work Light Rocker Switch (optional)

Low position: Off

High position: On

Note: indicator light activates when work light is on.

5. Washer Momentary Switch (Front and Rear optional)

Low position: On

Mid position: Off

High Position: On

6. Beacon Rocker Switch (optional)

Low position: Off

High position: On

Note: indicator light activates when work lights are on.

7. Water Heater Fan Rocker Switch (optional)

Low position: Off

High position: On

Note: indicator light activates when work lights are on.

Standard and optional features are individually fused, and the fuses can be accessed behind the plug in the middle of the switch-plate.

Cab Circuit Protection

The Tektite ROPS cab is wired to provide maximum protection against individual circuit overload. All optional components are fused internally behind the cab switch plate.

1800E ROPS Cab

The 1800E cab is designed to provide ROPS protection along with reasonable winter weather protection. The cab design for this model features glass windows at all window locations.

After your ROPS Cab has been installed:

Before starting a tractor equipped with a Tektite ROPS cab:

1. Clear the operator platform of all tools. Tools left in or around the ROPS and tractor can cause operator interference which could lead to bodily injury and/or damage the machine.
2. Inspect the ROPS and tractor to ensure all bolts are tight and re-tighten if required.
3. Ensure that all pedals, levers, and controls have adequate clearance for normal operation.
4. Ensure that all electrical components of both the ROPS and tractor operate normally.

5. Ensure your door latches properly onto the striker pin. Immediately after installation, the ROPS frame may flex slightly from installation, and the door latch will need to be re-aligned for proper operation. Loosen the striker pin, striker mounting plate and door latch as necessary to get a proper alignment of the door striker.

Service Parts Breakdowns:

Following are parts breakdowns for components that may require service parts replacement during the life of the ROPS. If you require replacement parts, please contact the dealer that you purchased the ROPS from and indicate which parts you require.