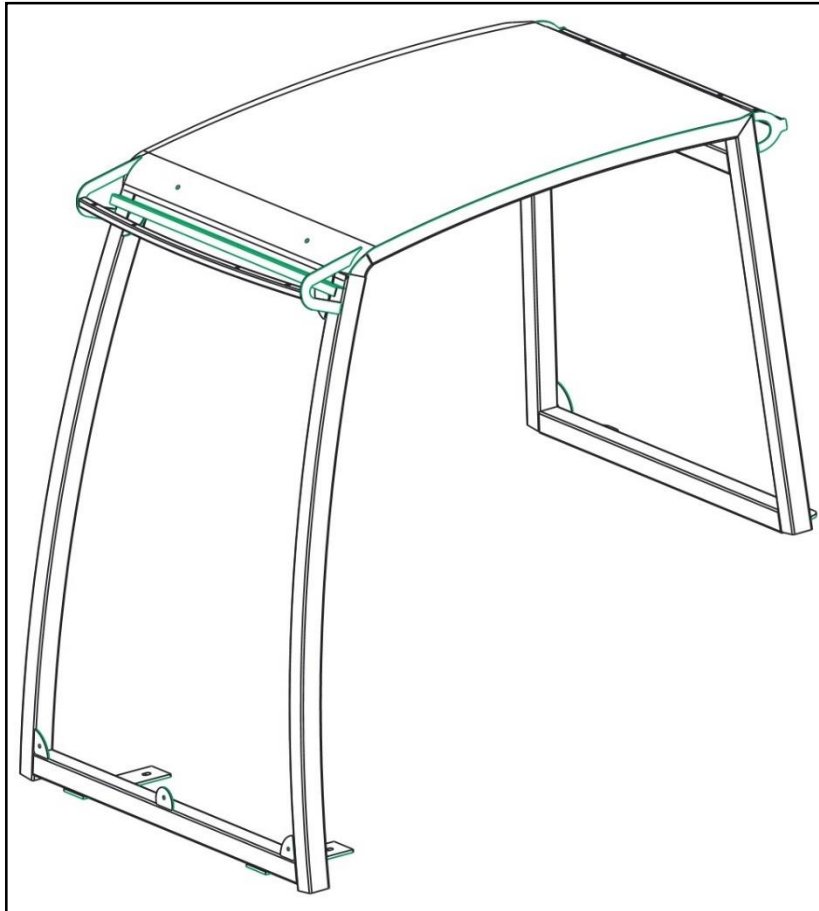


Jacobsen MP653 ROPS

** Shown with optional components



Jacobsen MP653 ROPS

This ROPS is designed and built to fit the Jacobsen MP653.

Designed and Built by:

Tektite Manufacturing Inc:

24157 Hwy 3

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.



Caution

** Please read installation instructions and follow all safety statements before attempting to install this product.

** This ROPS cab is heavy. An over-head hoist or high lift forklift will be needed to lift this cage over the machine. It is recommended that a minimum of two people participate during the installation procedure.

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

Tektite Manufacturing Incorporated thanks you for purchasing a Jacobsen MP653 ROPS! Tektite has worked very hard to design and build this ROPS product and we hope that it provides you with many years of protection.

Tektite's 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 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 product. 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: _____

Tektite Serial Number: _____

Date of Purchase: _____

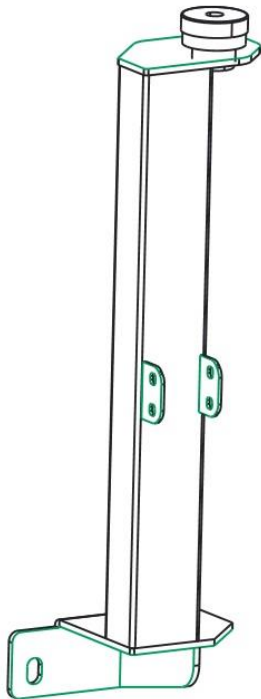
Dealer Name: _____

Standard Parts List:

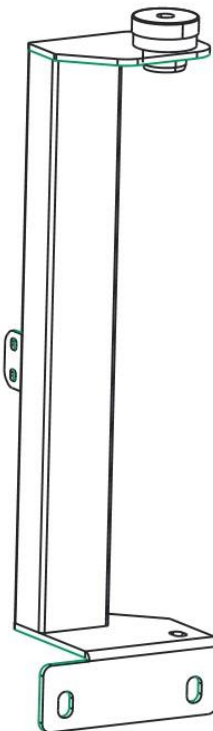
Description	Qty
Bolt, Hex, 5/8" x 3", Gr. 8, YD	2
Nut, Flange, 5/8", Gr. 8, YD	2
Washer, Heavy, 1/4" Flat	2
Isolator (pre-installed)	2
Bolt, Flange, M8 x 20	2
Screw, Self Tap, #12 x 1-1/4"	2
Rear Brackets	L&R
Step (traction tape pre-installed)	1
Loop Connector, 1/4" Yellow	2

Optional Parts List Console Mount Turn Signals:

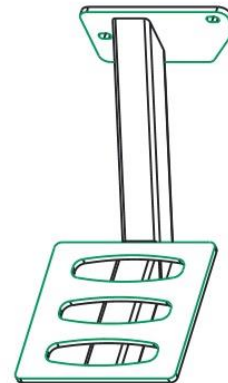
Description	Qty
Conduit Clamp	1
Screw, Philips, # 8 x 1"	1
Washer, Flat, Small, 1/8"	1



Left Rear
Bracket Weldment



Right Rear
Bracket Weldment

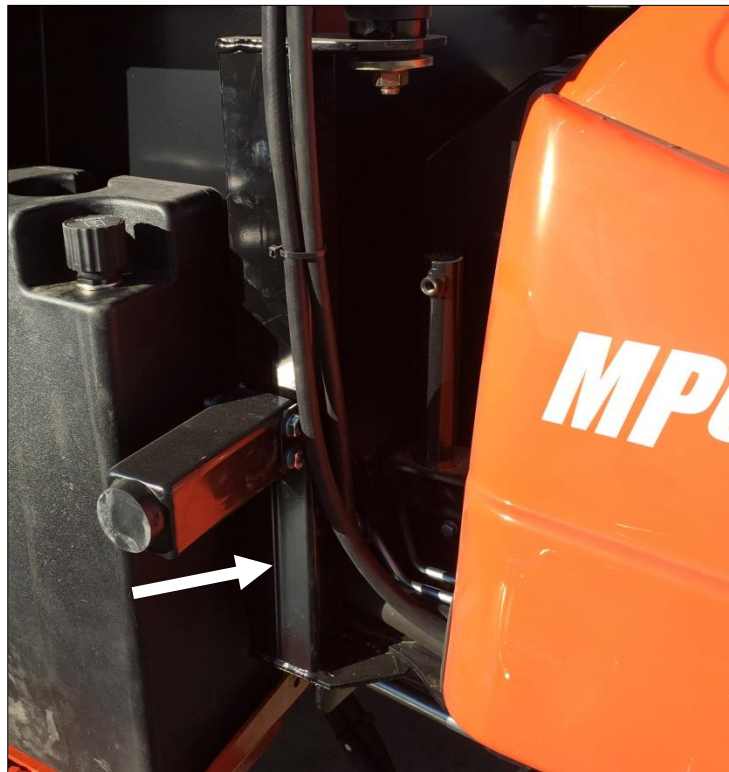


Step Bracket
Weldment

Park the machine in a well ventilated location with access to fork lift or over-head hoist. Disconnect battery ground before starting installation.

ROPS Installation Instructions:

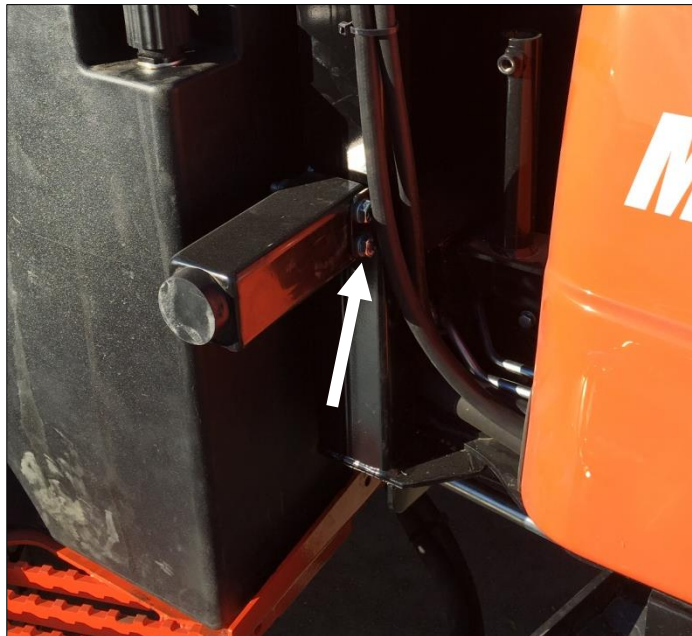
- . Un-bolt and remove the upper hoop of the 2-post ROPS. Let the fuel breather tube hang to the side.
- . Un-bolt and remove the left lower 2-post ROPS member from the mower. It will be necessary to drain the hydraulic tank and move forward to provide enough clearance to get at all of the fasteners.
- . Take the left rear bracket and bolt to the chassis where the left lower 2-post ROPS member was fastened. Please note, one of the fasteners will need to be replaced on the chassis as it is not used on the cab bracket. Tighten bracket



- . Re-fasten hydraulic tank to chassis and re-fill.
- . Un-bolt and remove the right lower 2-post ROPS member from the mower. It will be necessary to loosen the right tank pod a little to get at all fasteners.
- . Take the right rear bracket and bolt to the chassis where the right lower 2-post ROPS member was fastened. One fastener just needs to be re-installed on chassis, the cab bracket does not re-use it. Tighten bracket.



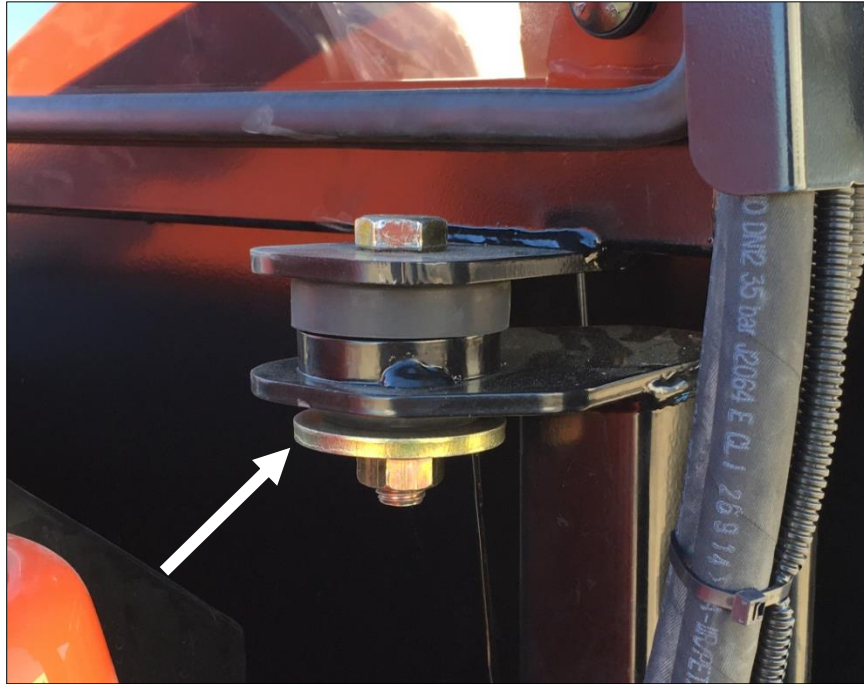
. From the left lower 2-post ROPS member, un-bolt and remove the deck stop bracket tubular member. Fasten to the left cab bracket with the factory hardware.



. From the right lower 2-post ROPS member, un-bolt and remove the deck stop bracket tubular member. Fasten to the right cab bracket with the factory hardware.



- . Remove the front two operator platform fasteners, M12 x 120 hex bolts.
- . Attach a lift strap or chain to both of the light tubes and connect to an overhead hoist or forklift. Un-bolt the shipping brackets from the ROPS and lift straight up and off of the shipping pallet.
- . Position the ROPS directly over the mower and slowly lower down until the rubber isolators contact the frame at the rear, and the cab mount plates at the front line up with the chassis mounting points.
- . Use the factory original M12 x 120 hex bolts for the front platform isolators. For the rear mounts, use the provided 5/8" x 3" hex bolts, heavy flat washer, and flange nuts. See photo below for proper alignment of fasteners.



- . Get all bolts started before applying any final torques.
- . Un-bolt and remove lift strap/chain.
- . Un-bolt and remove both cab lift brackets. Store if you intend to remove cab in future.
- . Take the provided step bracket and M8 x 20 fasteners. Go to left front of operator platform and fasten the step to the threaded panel nuts installed in chassis.

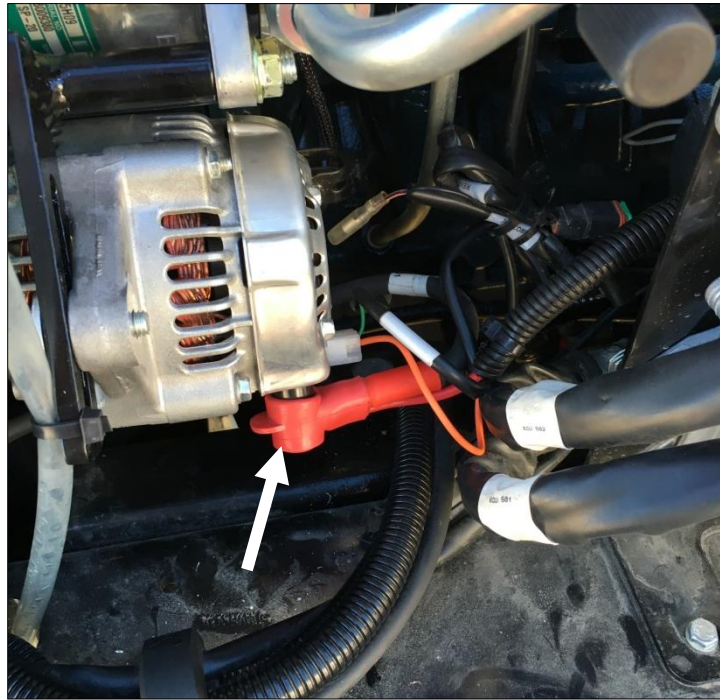


. Route the main power harness on the back right corner of the cab down the baffle provided on the rear bracket and down into the hood area towards the alternator.

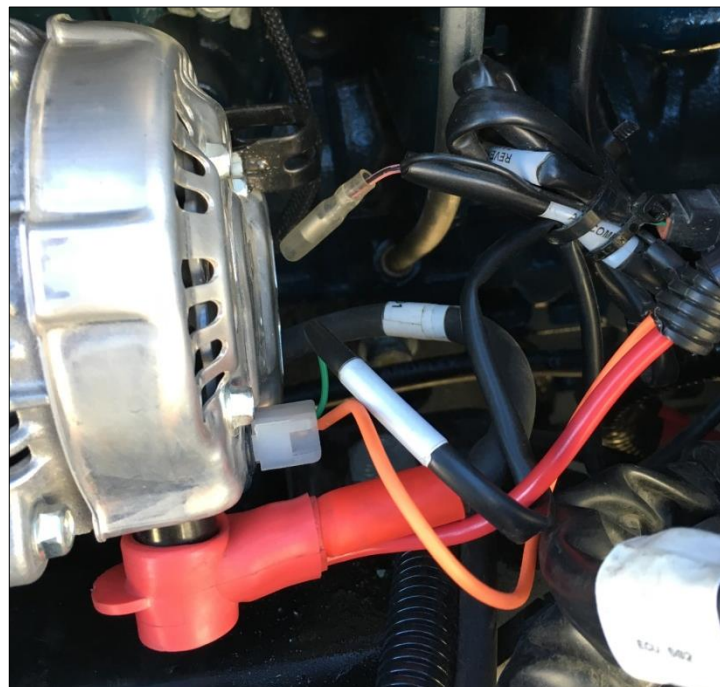
. Connect the heavy black 10 GA wire to the tractor ground at the back of the starter mount plate as shown below. Use the provided 1/4" loop connector. Shorten wire if necessary, then solder connector to wire.



. Connect the heavy red 10 GA wire to constant 12v power as shown below. Use the provided 1/4" loop connector. Shorten the wire if necessary, then solder wire to connector.



. Take the orange wire and connect to a key switch activated source on the engine, as shown below. Solder this wire directly to the wire on the engine. Reconnect battery ground now and verify power system is working properly.

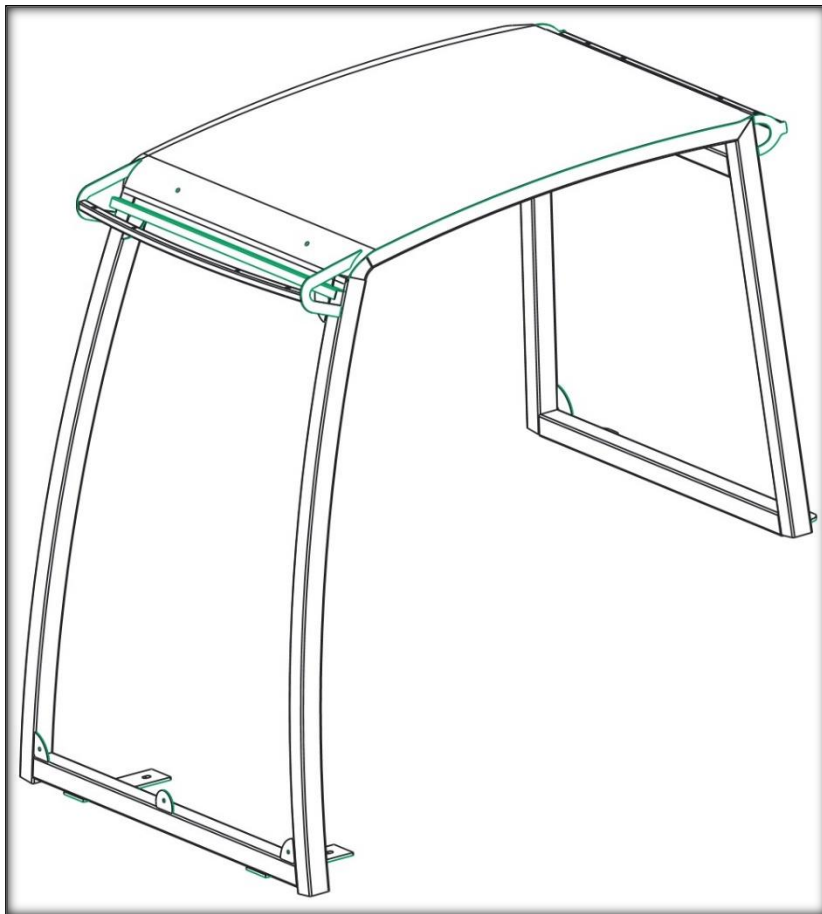


- . Take the provided #12 x 1-1-4" self tap screws and bolt tank breather to right rear bracket.



- . Take the turn signal lever and hose clamp included and attach to the steering wheel.
- . Connect the harness to the turn signal lever.
- . Use provided conduit clamp, screw and washer and secure the harness to the front ROPS A-A crossmember.

Jacobsen MP653 ROPS



Jacobsen MP653 ROPS

This ROPS is designed and built to fit the Jacobsen MP 653.

Designed and Built by:

Tektite Manufacturing Inc:

24157 Hwy 3

P.O. Box 639

Winkler, MB

R6W 4A8

Canada

PH: 204-331-3463

Fax: 204-331-4159

sales@tektite.ca

www.tektite.ca

One year standard product warranty provided by Tektite.



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 Jacobsen MP-653 ROPS! 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 operator manual carefully before 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: _____

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 utility vehicle.
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 utility vehicle 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 utility vehicle. There is a danger of tripping or falling on protruding parts.
8. Use steps and hand holds when mounting and dismounting the utility vehicle, 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 utility vehicle controls while sitting in the operator's seat.
2. Lock seat in position and buckle seat belt before operating the utility vehicle.
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 utility vehicle smoothly, avoid abrupt starts and stops.
6. Keep all shields in place when operating the utility vehicle.
7. Do not operate the utility vehicle when you are tired, sick, or impaired.
8. Never operate the utility vehicle 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 utility vehicle 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 utility vehicle 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 utility vehicle 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 utility vehicle.
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 utility vehicle 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 utility vehicle 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 utility vehicle 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 operator's of oncoming vehicles. If the utility vehicle 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 utility vehicle 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 utility vehicle manufacturer. Mount them in a readable location at, or near, their original location before operating the utility vehicle.
3. New ROPS decals and utility vehicle decals are available from your utility vehicle 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 utility vehicle is not equipped with seat belts, purchase approved seat belts from the utility vehicle manufacturer or Tektite prior to operating the utility vehicle.
4. Always fasten seat belts prior to operating the utility vehicle.
5. Always operate the utility vehicle 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 utility vehicle.
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 utility vehicle model that the ROPS is not designated for (compatible utility vehicle 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 utility vehicle may result in injury or death.

Emergency Exits

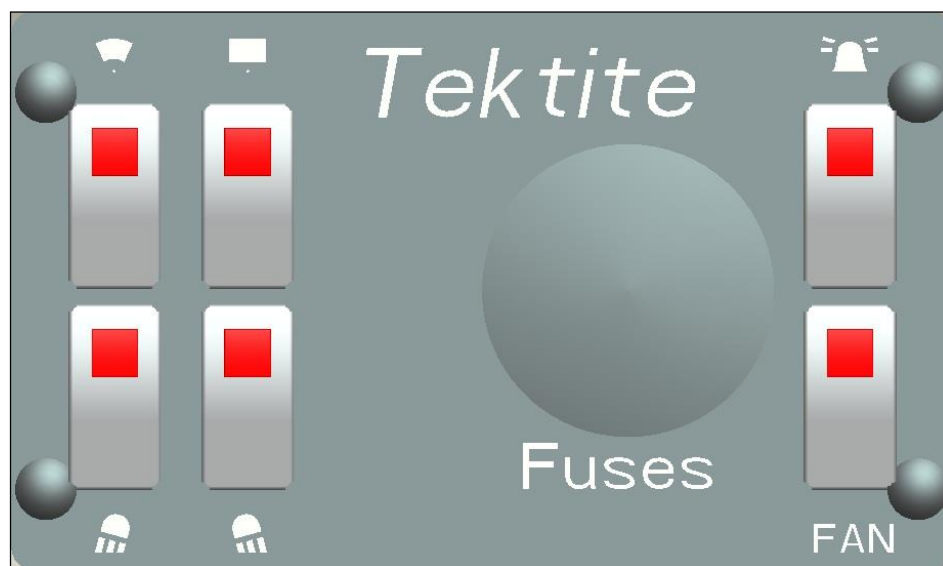
This ROPS has 2 exits, which may be used in an emergency: left and right side doors.

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.

If electrical options are ordered, 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 (optional)

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 (optional) or Head Light Switch

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. Beacon Rocker Switch (optional)

Low position: Off

High position: On

Note: indicator light activates when work lights are on.

6. Water Heater Fan Rocker Switch (optional)

Low position: Off

High position: On

Note: indicator light activates when work lights are on.

Optional Steering Wheel Mount Turn Signal/Flasher Kit

Lever Low Position: Left Turn

Lever Middle Position: Off

Lever High Position: Right Turn

Flasher Pull Tab In: Flashers Off

Flasher Pull Tab Out: Flashers 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. Cab wiring is direct to the tractor battery.

After your ROPS has been installed:

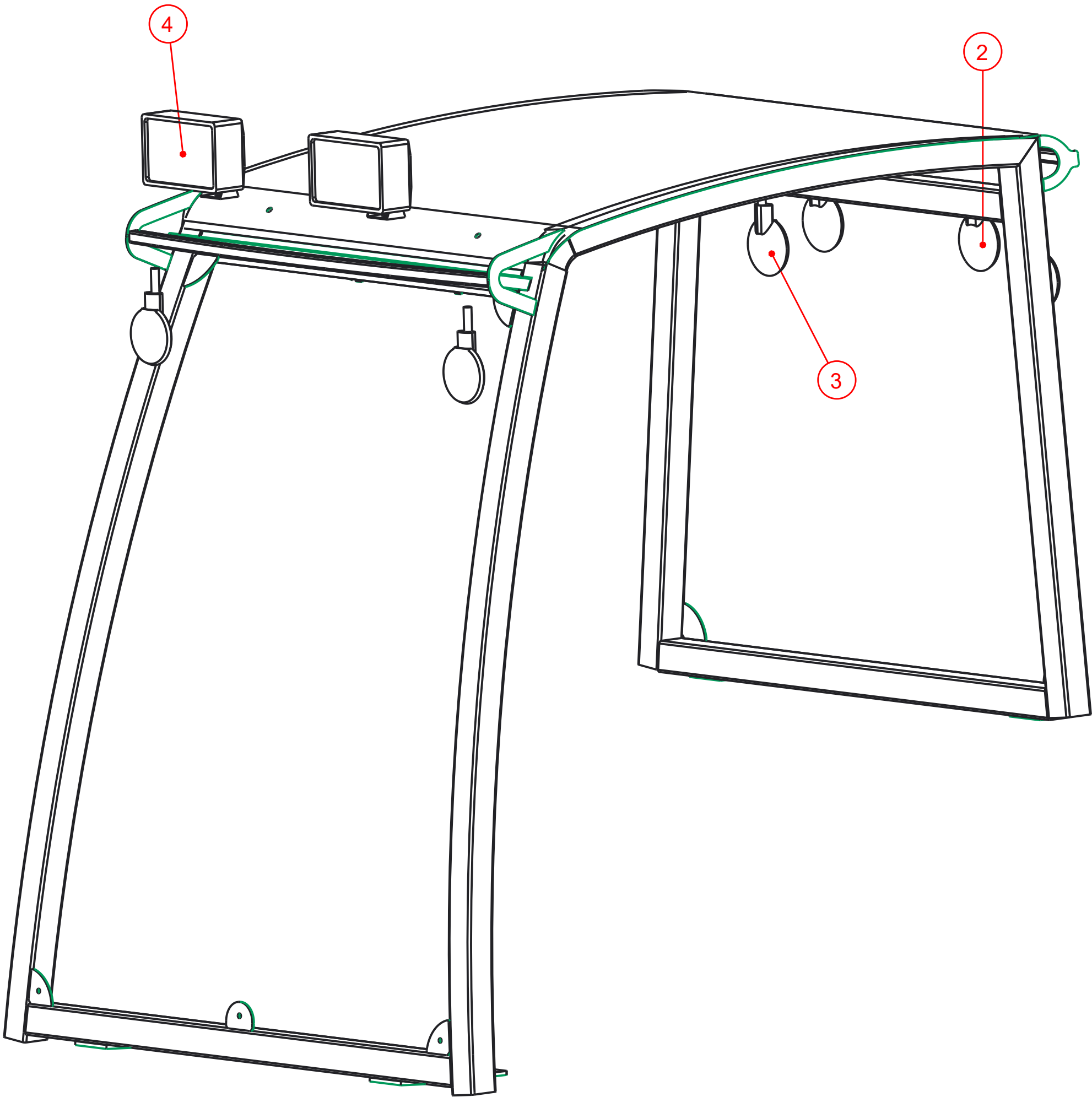
Before starting a utility vehicle equipped with a Tektite ROPS:

1. Clear the operator platform of all tools. Tools left in or around the ROPS and utility vehicle can cause operator interference which could lead to bodily injury and/or damage the machine.
2. Inspect the ROPS and utility vehicle 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 utility vehicle 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.

Index	Service Part #	File Name	Description	Qty
1		JAMP653-ASM-30		1
2	A00-0136	RED_TAIL_FLASH	Red Tail Light	2
3	A00-0143	TEKT-0083	Turn light, Amber	4
4	A00-0182	TEKT-ASM-018	Headlight	2



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Tolerances:
Unless otherwise specified

X.X = ± 1/16"
Angular = ± 1.0°

Tektite Manufacturing Inc. 24157 Hwy 3, Box 639, Winkler MB, R6W 4A8, Canada				
Req'd: 1 req	CNC:	Description: Accessories Assembly		
Drawn By: Daryl Furkalo	Date: 2016-07-07	Units: Imp.	File Name: JAMP653-ASM-29	
Checked By:	Date:	Size: B		