

Jacobsen LF-570 Series ROPS

** Shown with optional Golf Ball Mesh Package



Jacobsen LF-570 Series ROPS

This ROPS is designed and built to fit the Jacobsen LF-550 and LF-570.

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.



Caution

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

** This ROPS 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 LF-570 series 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	4
Bolt, Hex, 1/2" x 1", Gr. 8, YD	8
Nut, Flange, 5/8", Gr. 8, YD	4
Washer, Heavy, 1/4" Flat	4
Bolt, Flange, 3/8" x 1 1/2", Gr. 8, YD	6
Nut, Flange, 3/8", Gr. 8, YD	6
Isolator (pre-installed)	4
Front Bracket	1
Rear Brackets	L&R

Installation Instructions:

1. Un-bolt and remove the 2-post ROPS structure from the tractor.
2. Take the left rear bracket and position into place where the left side of the 2-post structure was located. Use provided 1/2" x 1" hex bolts and loosely bolt the bracket into place.



3. Take the right rear bracket and position into place where the right side of the 2-post structure was located. Use provided 1/2" x 1" hex bolts and loosely bolt the bracket into place.



4. Take the front bracket to the front of the operator platform. If there are lights on the front of the platform, the mount brackets will need to be removed. The lights can be re-attached with the new mounting bolts though.
5. If necessary for 3/8" bolts, drill out the four square holes in the front platform that align with the front bracket plate.
6. Use the provided 3/8" x 1 1/2" flange bolts and nuts, and loosely attach the front bracket. Do not snugly tighten yet.



7. Remove the left and right and right door frames if equipped with mesh.

8. Use a lift strap or chain and prepare to lift the ROPS off the shipping pallet. Use an over-head hoist or forklift and connect the straps/chain together. Un-bolt the ROPS from the shipping pallet and lift straight up.

9. Position the ROPS directly over the machine and slowly lower down until the mount plates are touching the rubber isolators.

10. Use the provided 5/8" x 3" hex bolts, heavy flat washer, and flange nuts for each isolator fastener. Ensure that the flat washer is on the bulged-out rubber side of the mount to ensure correct fastening procedure. For rear fasteners, the washer goes directly under the bolt head. For the front fasteners, the washer goes under the bolt head as well.

11. Once all fasteners are started, the 5/8" bolts can have 205 ft-lbs of torque applied. The 3/8" fasteners can have 47 ft-lbs of torque applied.

12. Remove lift straps and lift bolts from ROPS.

If ROPS has electrical components installed, proceed with the following step.

13. Take red power and black ground wires that are at the bottom of the left rear tube and route along the mounting bracket and into the engine bay. Connect the black ground wire to the negative post on the battery. Connect the red power wire to the positive post on the battery. There are fuses for power draw protection located behind the switch plate in the ROPS.

NOTE:

If structure is equipped with a Golf Ball Protection Package, it may be necessary to adjust the door latch after installation is complete. The striker pin, door latch, and striker mounting plate may need to be loosened and adjusted slightly after install due to the frame flexing slightly during the install.

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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

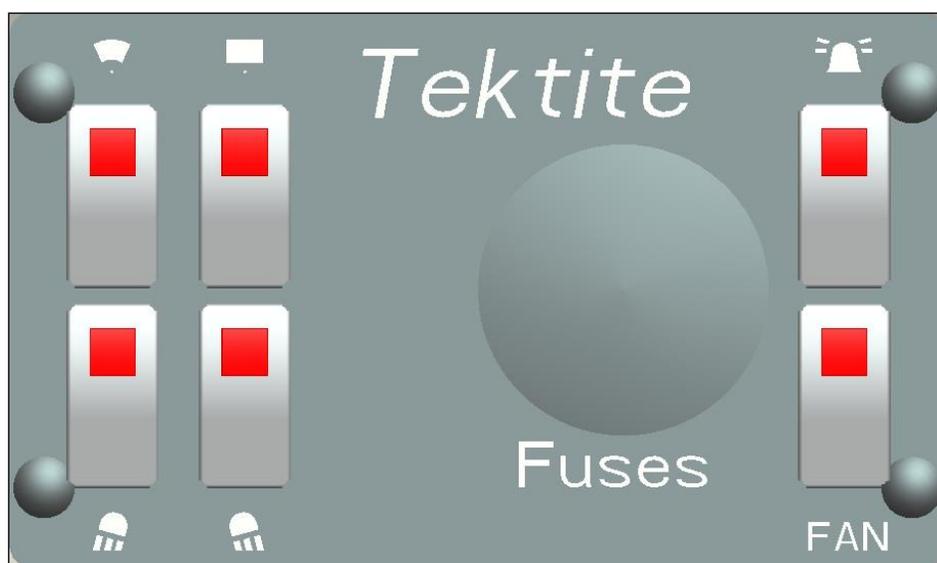
This ROPS has 2 exits, which may be used in an emergency: left and right side doors.

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 on some configurations)

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 (not available)

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

Circuit Protection

The Tektite ROPS is wired to provide maximum protection against individual circuit overload. All optional components are fused internally behind the switch plate. Wiring is direct to the tractor battery. DO NOT leave any option activated when tractor is not running as battery run down can occur.

After your ROPS has been installed:

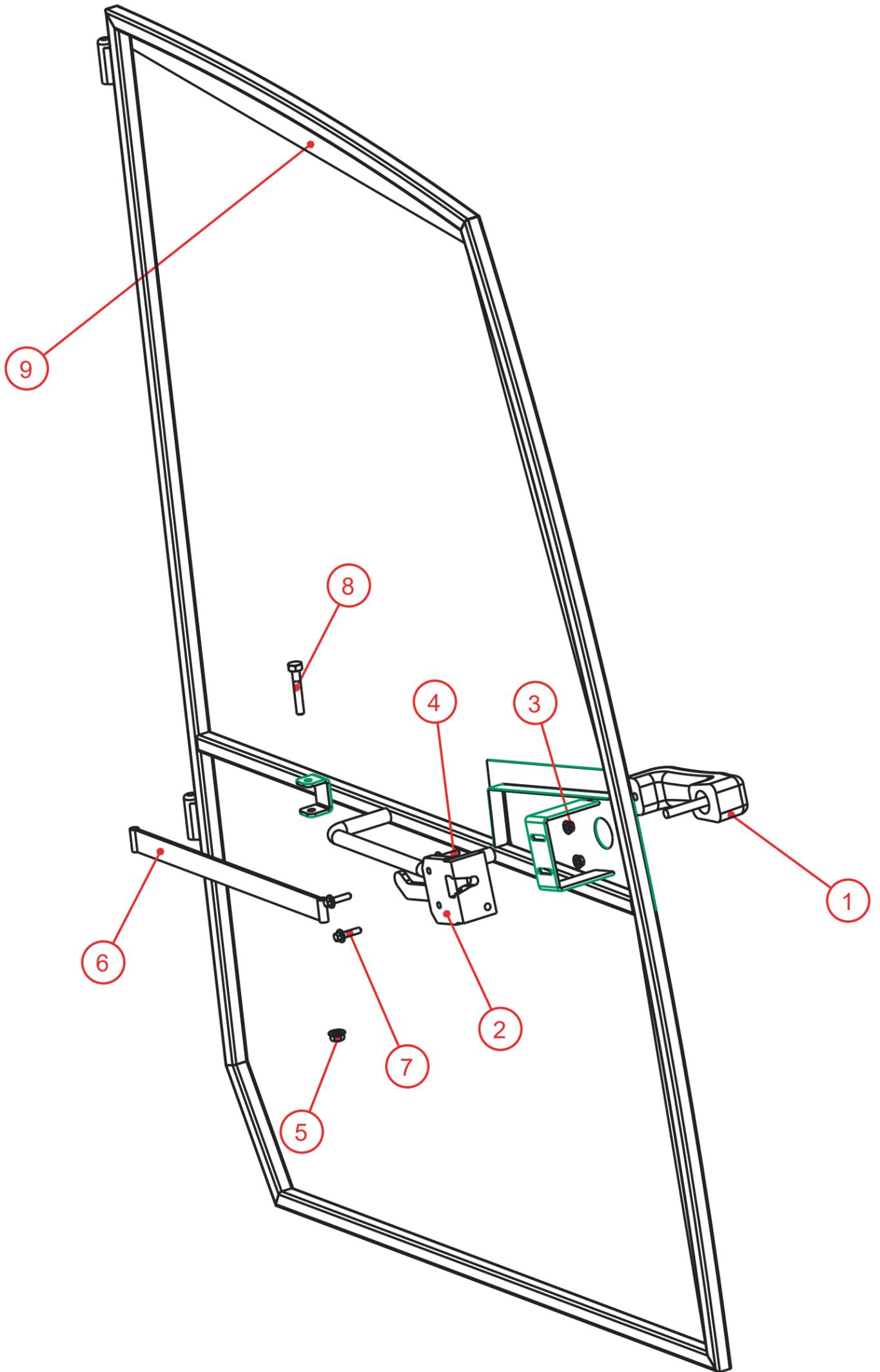
Before starting a utility vehicle equipped with a Tektite ROPS:

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	A00-0001	DLP-HANDLE	Outside Push Button Handle	1
2	A00-0002	LEFT-LATCH	Suicide Door Left Latch	1
3	A00-0021	FLANGE-NUT-1-4	Flange Nut, 1/4", YD	2
4	A00-0022	FLANGE_BOLT_M6X25	Flange Bolt, M6x25, YD	1
5	A00-0059	FLANGE-NUT-5-16	Flange Nut, 5/16", YD	1
6	A00-0096	TEKT-0055	Door Strap, 14"	1
7	A00-0118	FLANGE_BOLT_1-4X1	Flange Bolt, 1/4" x 1", YD	2
8	A00-0137	HEX-BOLT_5-16X2	Hex Bolt, 5/16" x 2", YD	1
9	Ja8-0001	JALF570-ASM-07	Left Door Weldment, MESH	1



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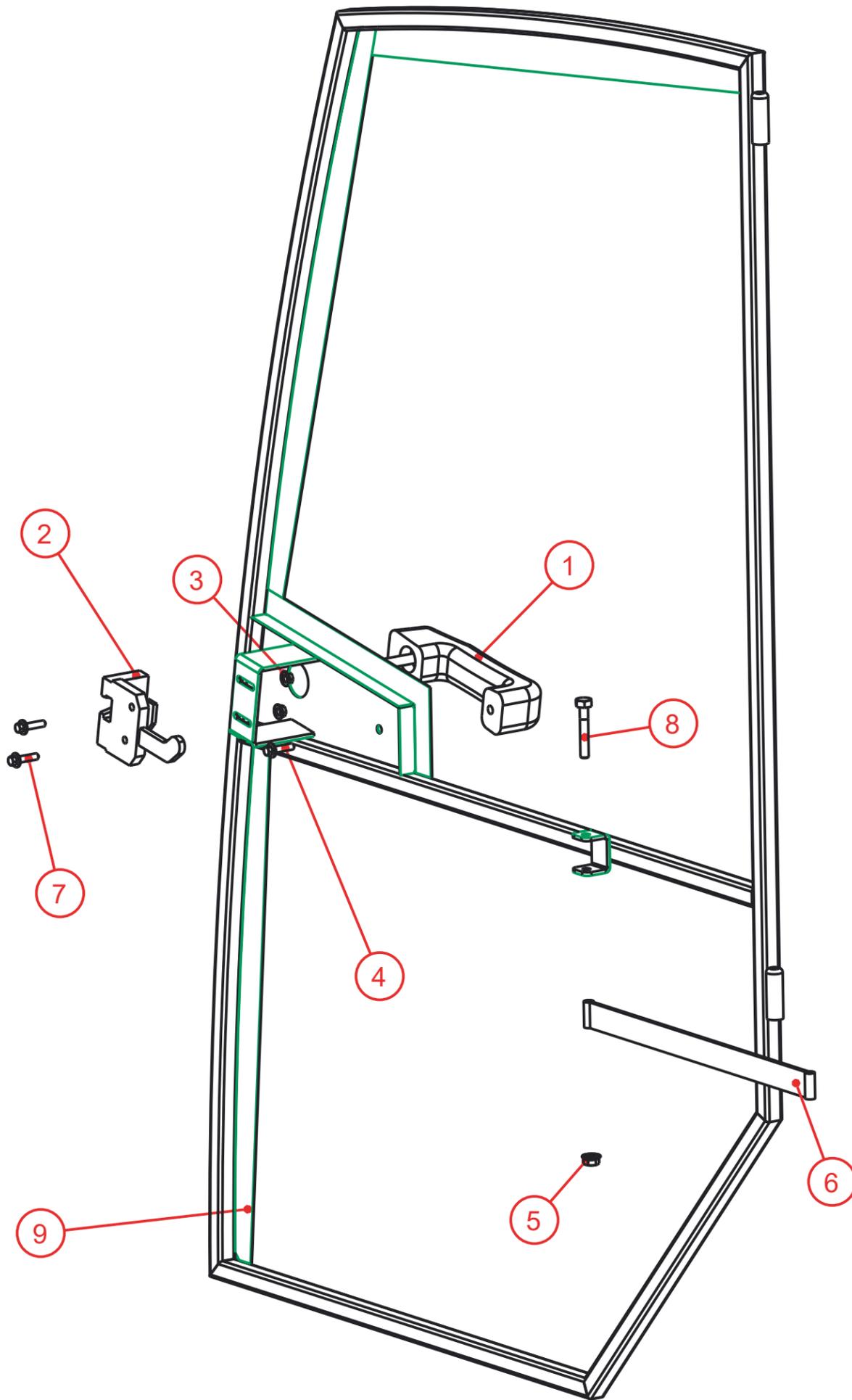
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Tolerances:
Unless otherwise specified

X.X = ± 1/16"
Angular = ± 1.0°

Req'd:	CNC:	Description:	
1 req		Left Door Assembly, MESH	
Drawn By:	Date:	Units:	File Name:
Daryl Furkalo	2020-04-28	Imp.	JALF570-ASM-08
Checked By:	Date:	Size:	
		B	

Index	Service Part #	File Name	Description	Qty
1	A00-0001	DLP-HANDLE	Outside Push Button Handle	1
2	A00-0003	RIGHT-LATCH	Suicide Door Right Latch	1
3	A00-0021	FLANGE-NUT-1-4	Flange Nut, 1/4", YD	2
4	A00-0022	FLANGE_BOLT_M6X25	Flange Bolt, M6x25, YD	1
5	A00-0059	FLANGE-NUT-5-16	Flange Nut, 5/16", YD	1
6	A00-0096	TEKT-0055	Door Strap, 14"	1
7	A00-0118	FLANGE_BOLT_1-4X1	Flange Bolt, 1/4" x 1", YD	2
8	A00-0137	HEX-BOLT_5-16X2	Hex Bolt, 5/16" x 2", YD	1
9	Ja8-0002	JALF570-ASM-06	Right Door Weldment, MESH	1



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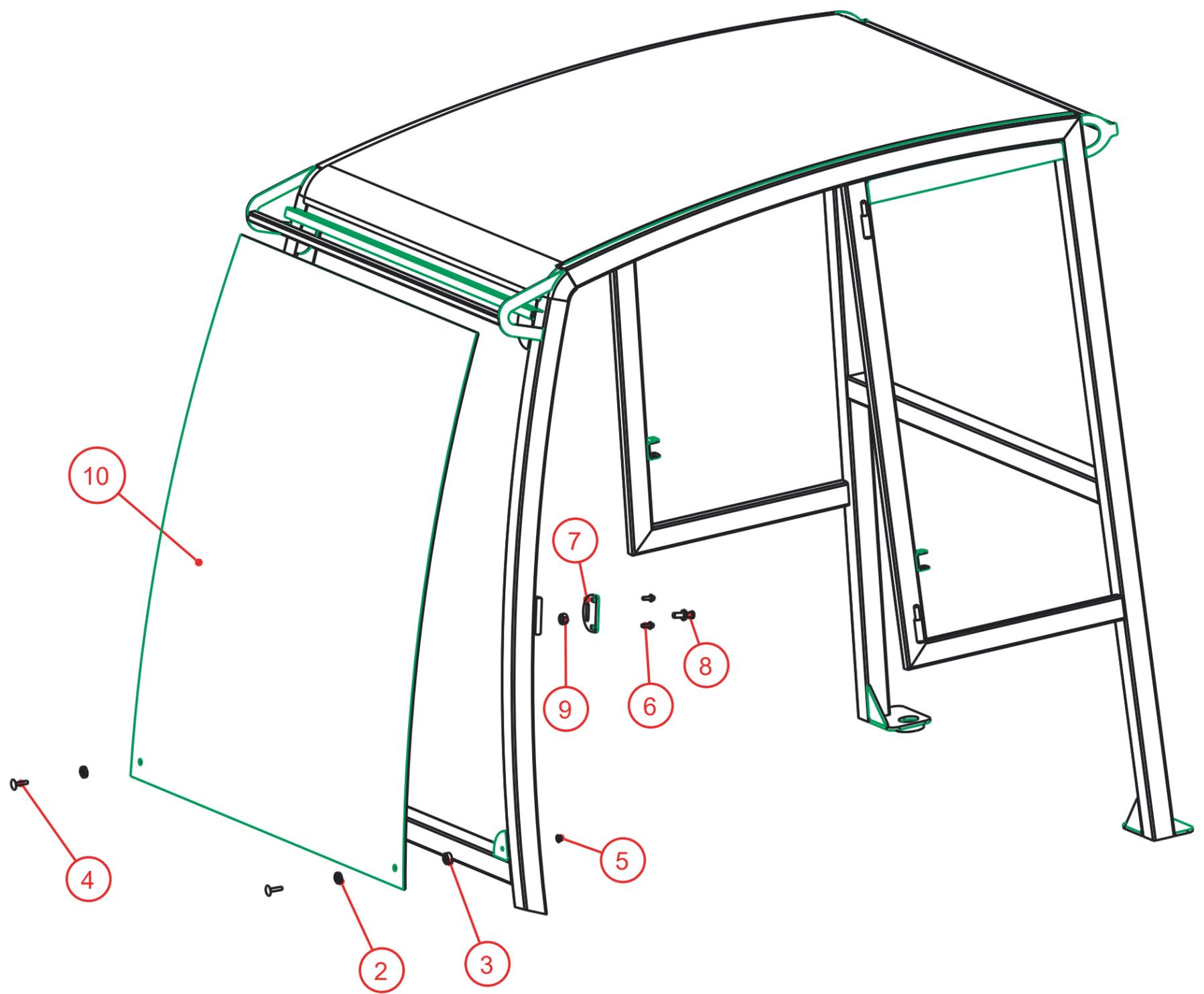
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Angular = $\pm 1.0^\circ$

Req'd:	CNC:	Description:	
1 req		Right Mesh Door Assembly	
Drawn By:	Date:	Units:	File Name:
<i>Daryl Furkalo</i>	2020-04-29	Imp.	JALF570-ASM-09
Checked By:	Date:	Size:	
		B	

Index	Service Part #	File Name	Description	Qty
1		JALF570-ASM-05		1
2	A00-0013	TEKT-0009	5MM Bushing	2
3	A00-0014	TEKT-0092	Thick Bushing	2
4	A00-0020	STEP-BOLT1-4X1-1-4	Step Bolt, 1/4" x 1 1/4", MB	2
5	A00-0021	FLANGE-NUT-1-4	Flange Nut, 1/4", YD	2
6	A00-0023	FLANGE_BOLT_1-4X3-4	Flange Bolt, 1/4" x 3/4", YD	4
7	A00-0061	TEKT-0021	Striker Mounting Plate	2
8	A00-0101	STRIKER-PIN	Striker Pin	2
9	A00-0103	HEX-NUT-M12X1	Hex Nut, M12 x 1.0, YD	2
10	Ja8-0003	JALF570-048	Lexan Windshield	1



SCALE 0.100

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Unless otherwise specified
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Angular = $\pm 1.0^\circ$

Tektite Manufacturing Inc.

427 Buffalo Street, Winkler MB, R6W 4A8, Canada

Req'd: 1 req		Description: Lexan Windshield Option Assembly	
Drawn By: <i>Daryl Furkalo</i>	Date: 2020-05-07	Units: Imp.	File Name: JALF570-ASM-10
Checked By:	Date:	Size: B	