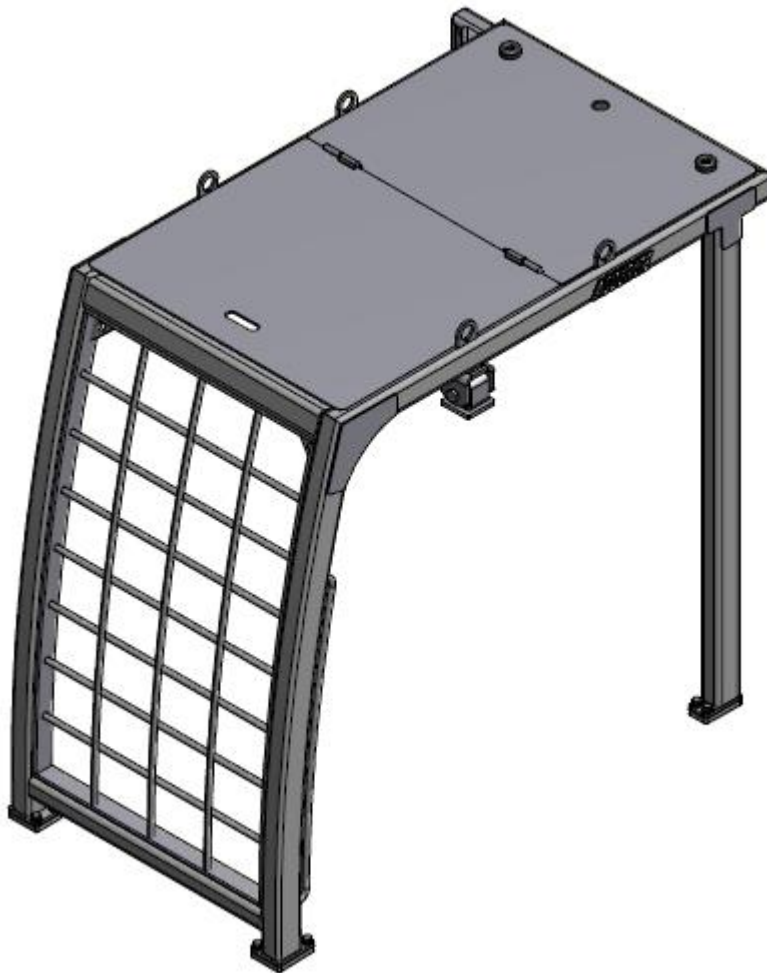


***ACCURATE* Fabricating Ltd.**

**- EXCAVATOR -
FOPS CAB GUARD**

Installation Manual



ATTACHMENT INNOVATION

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General Installation Instructions

- Read all safety, general & manufacturer model specific instructions prior to starting installation.
- All cab guards are designed to allow the O.E.M. cab roof hatch to open providing a secondary means of egress in the event of an accident.
- While installing the guard be sure to follow all of your territory governing body (WorkSafe BC Etc.) and company specific safety procedures such as personnel protective equipment, rigging and machinery maintenance/welding procedures etc.
- All welding and rigging to be performed by a trained/qualified personnel.

General Installation Instruction Steps

Always follow ALL of your governing body and company specific safety procedures!!!

Step #1:

Trim inner leg length to suit the machine boom mounting frame height. Be sure to cut the leg short enough to insert the clevis, rubber mount and vertical mounting plate with sufficient material left over to weld the vertical mount plate to the machine frame.

Step #2:

Lift cab guard into place and position with adequate clearances as instructed (see pages 4 and 5). Secure to machine catwalks with sufficient weld tacks. (It is recommended to keep the cab guard attached to hoisting device until fully welded for safety). Check all clearances for hatches, doors, antennae etc. Maintain min and max clearances as per WorkSafe BC G603 2.4 or per your local governing Safety Authority.

Step #3:

Trim and tack weld the inner leg mounting plate to the rubber mount assembly with a gusset (If a gusset is supplied), recheck fit up and finish weld the assembly on a workshop table before final installation.

Step #4:

Weld rubber mount clevis to inner leg and finish welding the vertical mounting plate to the machine frame. (The installer must follow the weld fillet sizing on the attached drawing).

Step #5:

Let all welds completely cool off to room temperature, recheck for all fit up clearances, clean and paint all bare metal areas.

Step #6:

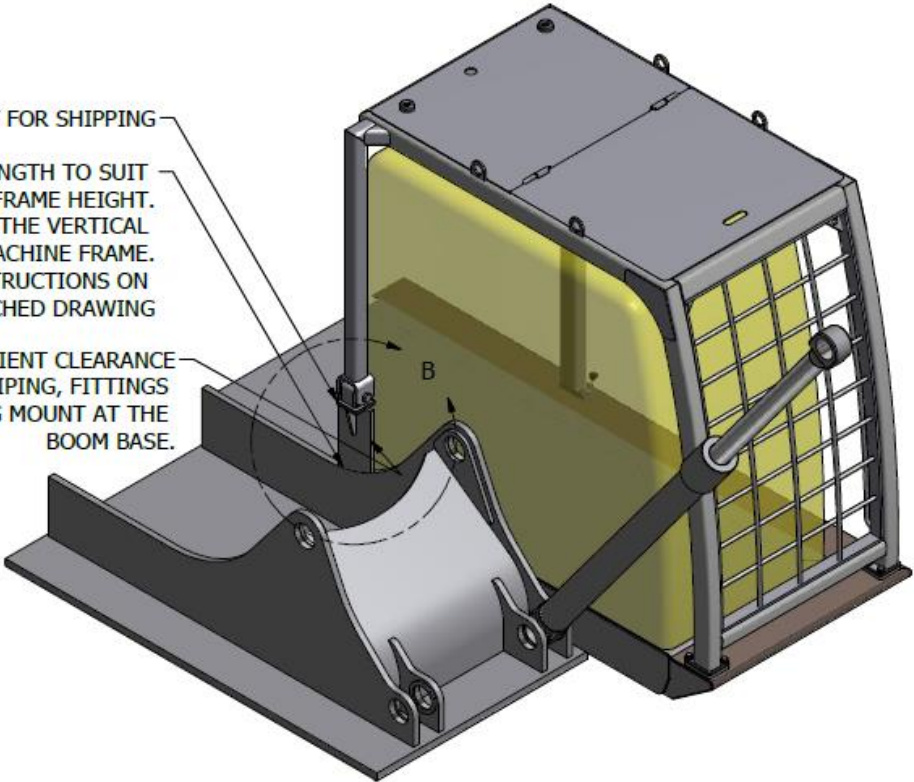
Attach factory mirror to the FOPS guard handle or mounting bracket (if equipped)

Cab Guard Fit up Instructions

TACKED ONLY FOR SHIPPING

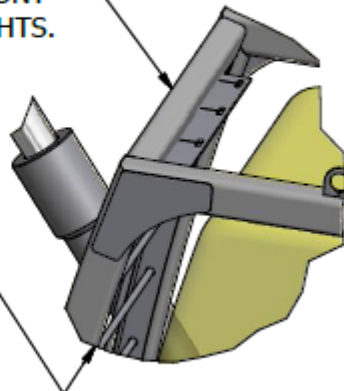
TRIM INNER LEG LENGTH TO SUIT THE MACHINE FRAME HEIGHT. TRIM AND WELD THE VERTICAL MOUNT PLATE TO THE MACHINE FRAME. FOLLOW WELDING INSTRUCTIONS ON ATTACHED DRAWING

ENSURE THERE IS SUFFICIENT CLEARANCE BETWEEN ALL HOSES, PIPING, FITTINGS ETC. AND THE INNER LEG MOUNT AT THE BOOM BASE.

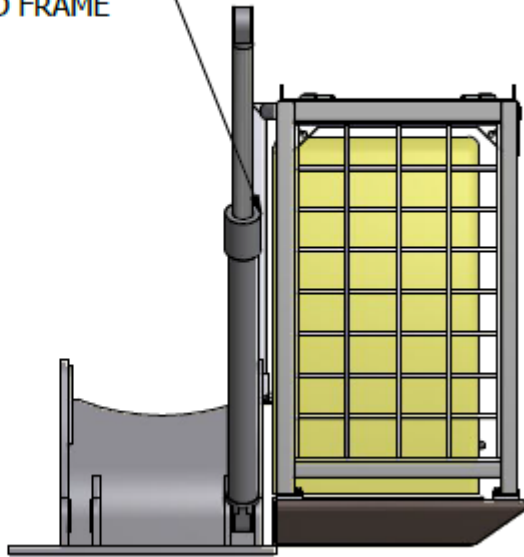


CHECK TO ENSURE THERE IS SUFFICIENT CLEARANCE FOR THE OEM CAB ROOF HATCH TO OPEN CLEAR OF THE FRONT CROSS TUBE, SIDE RAILS, LIGHT BAR AND LIGHTS.

MAINTAIN A MIN 4 INCHES (10 CM) CLEARANCE BETWEEN WINDOW AND WINDOW GUARD (MAX 8 INCHES) AS PER WORKSAFE BC G603 2.4



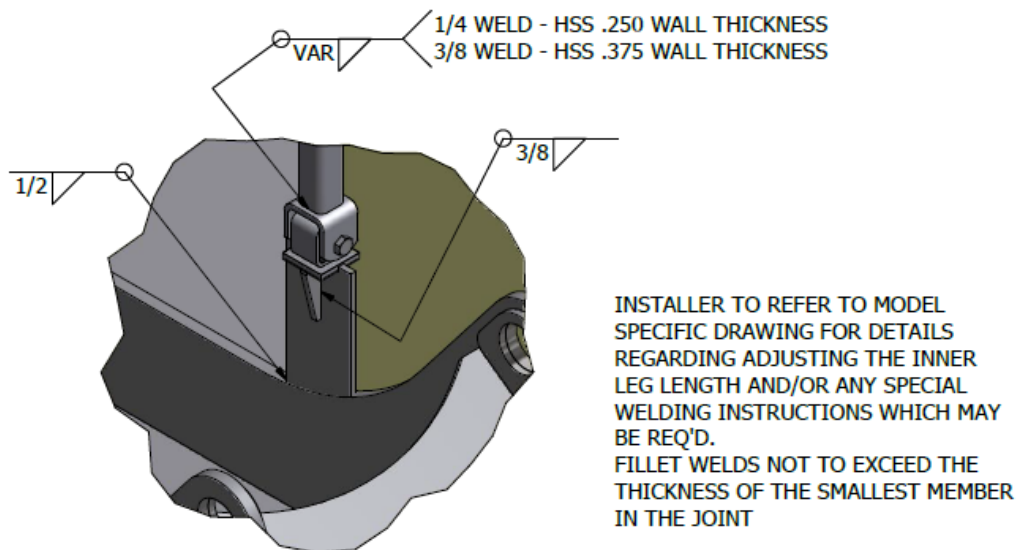
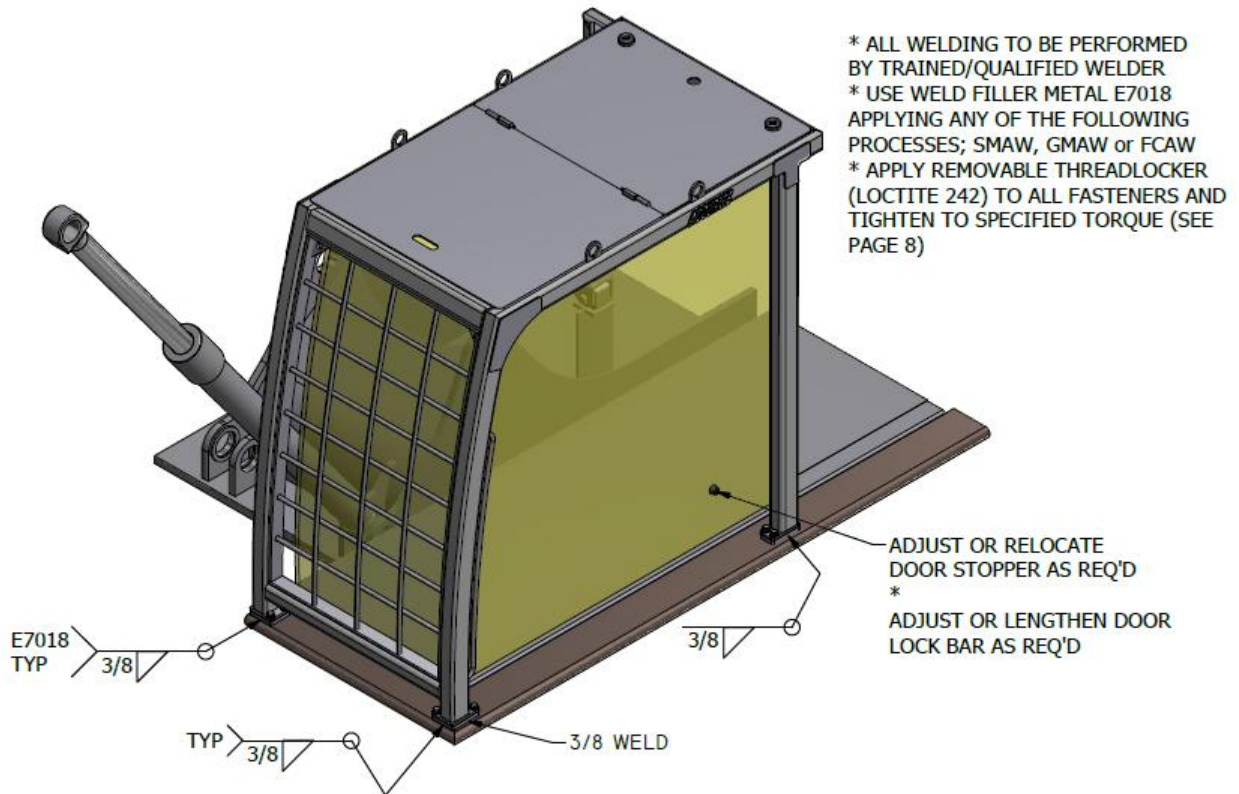
ENSURE THERE IS CLEARANCE
BETWEEN THE BOOM LIFT CYLINDER
AND THE CAB GUARD FRAME



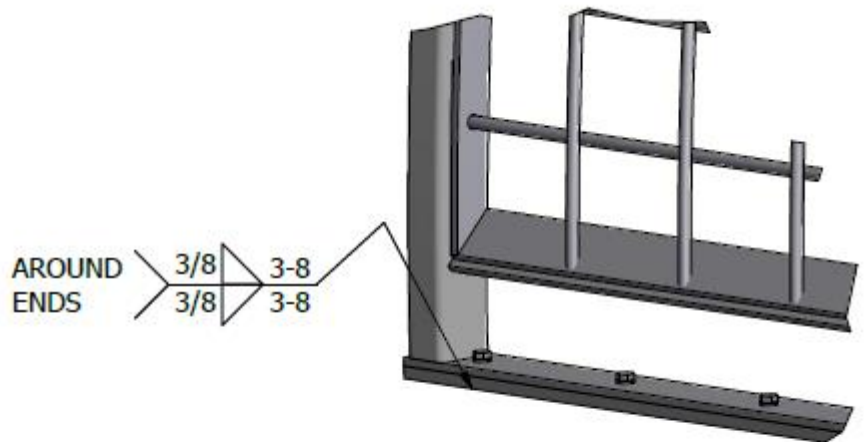
WARNING 

Failure to comply with information contained within the Accurate Installation Manual may result in injury, death, damage to property.
Ensure that all personnel have read and understand the information contained in the Manual before attempting to install the Accurate Cab Guard.

Cab Guard Welding Instructions



Cab Guard Welding Instructions (con't)



FOR CAB GUARDS FITTED WITH
FLAT BAR FRONT MOUNTING ASSY(S)

Maintenance

- All fasteners should be re-torqued after approx. 150 hours of initial use and every 500 hours of use, due to vibration.
- All welds should be inspected weekly for cracks developed due to vibration.
- All hinge points should be lubricated every 500 hours of use to ensure smooth operation of access hatches.
- All frame work should be inspected weekly for deformation due to severe impact.
- Structural Certification will be void should any cracking or deformation be observed upon inspection. Accurate Fabrication should be notified immediately to assist with any repair procedures or supply of new part if the damage is deemed to be beyond repair.

GRADE - CLASS TENSILE	8.8	8.8	10.9	10.9
SIZE / THREAD	DRY	LUBR	DRY	LUBR
BOLT SPECS IN FOOT POUNDS (INCH POUNDS)				
M5 x 0.80	(54)	(41)	(78)	(59)
M6 x 1.00	(92)	(69)	(133)	(99)
M7 x 1.00	(156)	(116)	(222)	(167)
M8 x 1.25	(225)	(169)	(333)	(242)
M10 x 1.50	37	28	53	40
M12 x 1.75	65	49	93	69
M14 x 2.00	104	78	148	111
M16 x 2.00	161	121	230	172
GRADE - CLASS TENSILE	GR5	GR5	GR8	GR8
SIZE / THREAD	DRY	LUBR	DRY	LUBR
BOLT SPECS IN FOOT POUNDS (INCH POUNDS)				
1/4-20	(101)	(76)	(143)	(107)
1/4-28	(116)	(87)	(147)	(123)
5/16-18	(209)	(157)	(295)	(221)
5/16-24	(231)	(174)	(327)	(245)
3/8-16	(372)	(276)	44	33
3/8-24	(420)	(312)	49	37
7/16-14	49	37	70	52
7/16-20	55	41	78	58
1/2-13	75	57	106	80
1/2-20	85	64	120	90
5/8-11	150	113	212	159
5/8-18	170	127	240	180
3/4-10	267	200	376	282
3/4-16	297	223	420	315

***ACCURATE* Fabricating Ltd.**

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CWB CERTIFIED



Standards Council of Canada

