

Cab Enclosure Mounting Instructions



**H SERIES
FORKLIFTS
585H
586H
588H**



CASE

**Cab Code #71843-01
Cab Enclosure Panel Kit
For Case H Series Forklifts
Model: 585H, 586H and 588H**



Manufactured by Contract Industrial Tooling, Inc.

SALES OFFICE: 2351 PRODUCTION CT., RICHMOND, IN 47374, (765) 966-1134

CAUTION:

THE CONTRACT INDUSTRIAL TOOLING, INC. WARRANTY DOES NOT COVER FAILURE DUE TO MISUSE OR FAILURE TO FOLLOW RECOMMENDED INSTALLATION PROCEDURE. SEE COMPLETE WARRANTY.

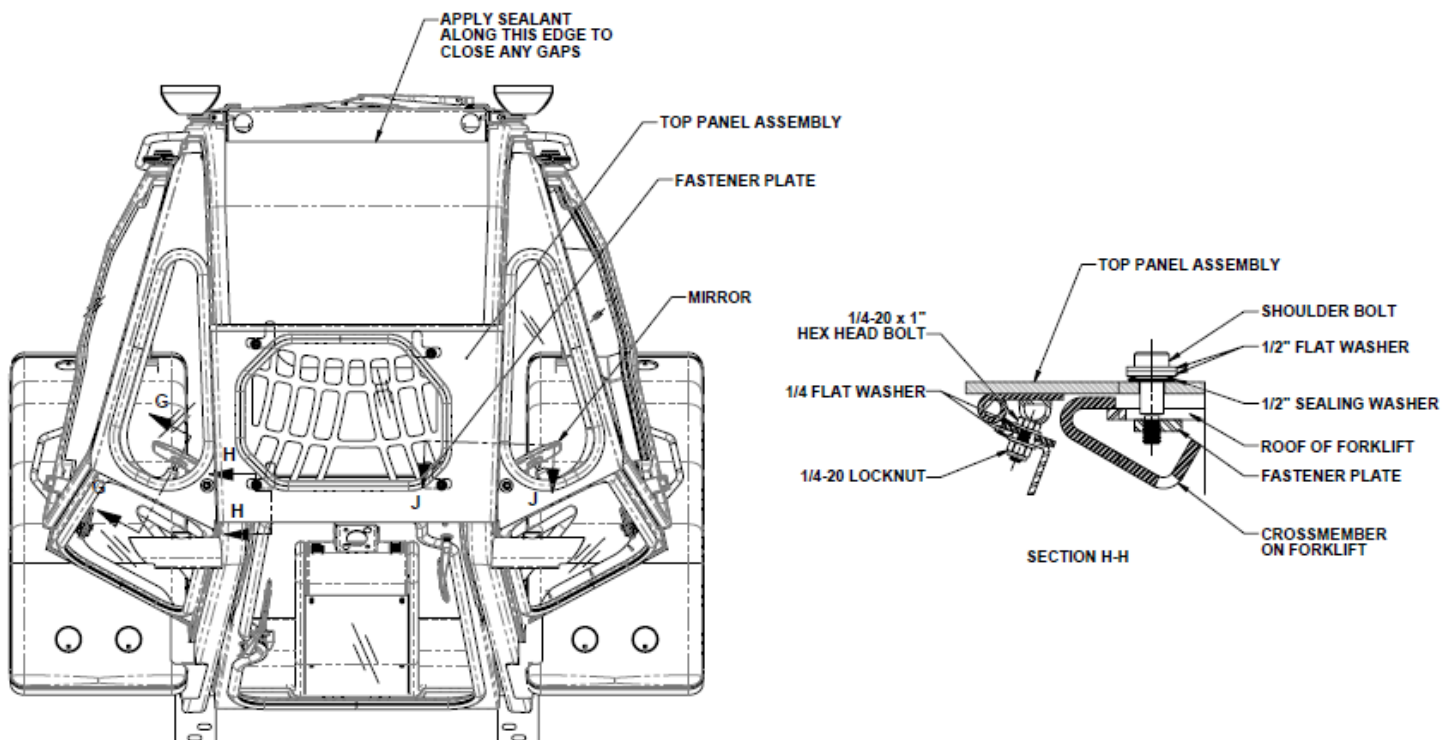
NOTES:

1. Read all instructions and study the Final Assembly print (64508-01) prior to attempting installation. For best results follow instructions in order.
2. Do not completely tighten any bolts until specified by instructions.
3. Make sure all sealing rubber remains in place during installation.
4. Check to insure all sealing rubber has sealed all gaps between panel and machine.
5. Self-locking nuts are supplied with the cab. Do not over tighten any installation hardware. Over tightening may result in bent brackets, bowed panels, or broken glass.
6. All optional equipment is covered by separate sets of instructions.
7. **WARNING: DO NOT CUT OR GRIND INTO ROPS CANOPY STRUCTURE. DOING SO WILL VOID THE ROPS SAFETY CERTIFICATION.**

Top Panel Installation

See drawing 71843-01 for illustration

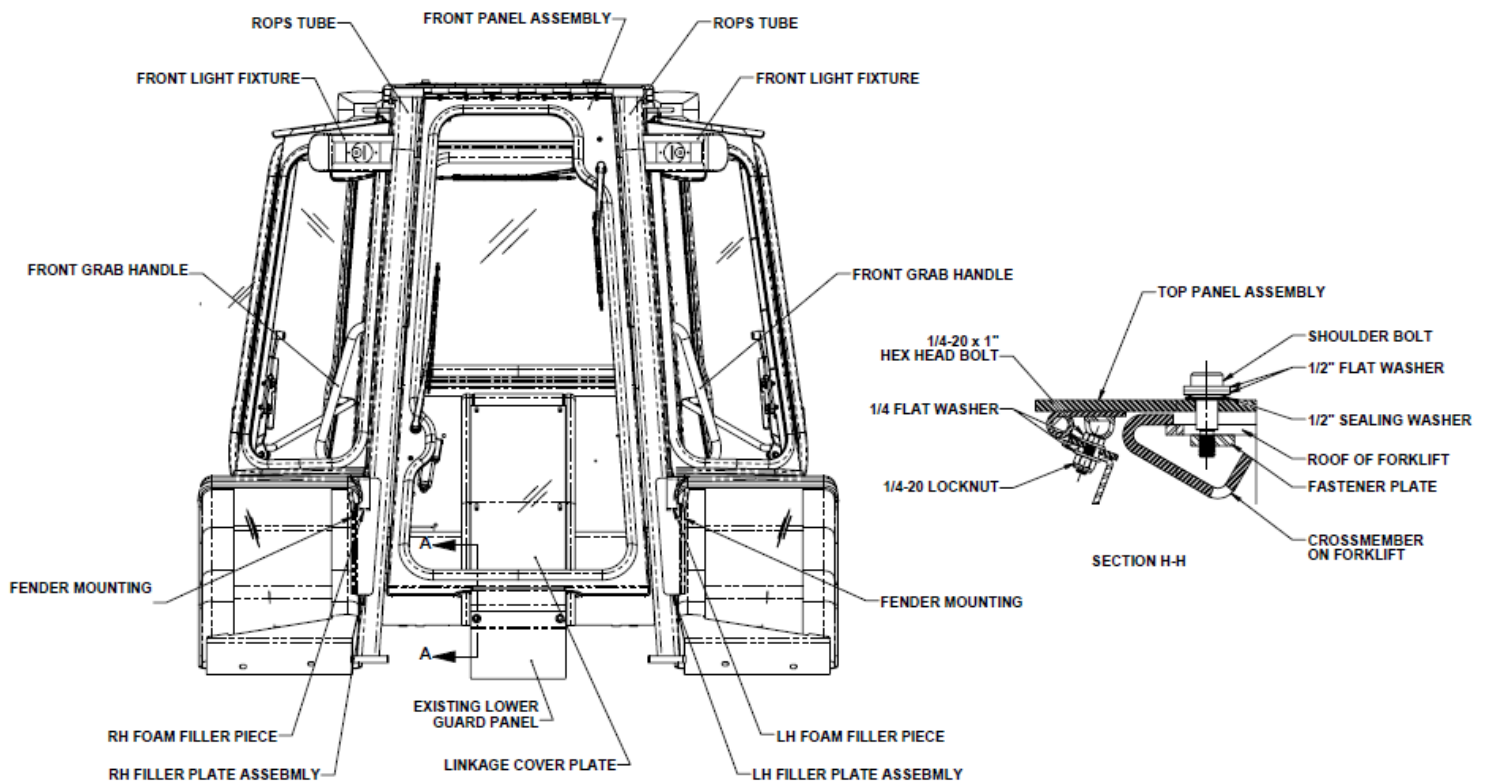
1. On the Top Panel Assembly (P/N 64508-06) open the hinge to a 45° position for easier installation of the Front Panel.
2. Place Top Panel Assembly on roof of cab and line up (4) holes in the Top Panel with the web openings in the roof of the Forklift.
3. Insert (1) Shoulder Bolt (P/N 20592-100), (2) 1/2" Flat Washers (P/N 20942-050), and (1) Bonded Sealing Washer (P/N 20490-100) in each hole. (Seal side of washer towards panel (down)).
4. While applying pressure to the Top Panel in a downward direction fasten the Shoulder Bolts to the Fastener Plates (P/N 64508-97) on the inside of the Forklift as shown (see photo 4 on page 7).



Front Panel Installation

See drawing 71843-01 Page 3
for illustration

1. Tilt mast on Forklift forward to complete the next steps.
2. Remove the lower guard panel on the front side of the steering column.
3. Line up the slots at top of the Front Panel Assembly (P/N 64508-02) with the slots in the hinge on the Top Panel Assembly.
4. Attach the Front Panel Assembly to the hinge by placing (1) 1/4-20 x 3/4" Hex Head Bolt (P/N 20000-075), (2) 1/4" Flat Washers (P/N 20942-025) and (1) 1/4-20 Lock Nut (P/N 20057-025) in each slot as shown. Leave loose for adjustment (see photo 4 on page 7).
5. Lower the Front Panel so it seats tightly between the ROPS tubes. Apply pressure to the lower end of the Front Panel to make sure it closes all the way. This will center the panel in between the ROPS tubes.
6. Carefully lift the Front Panel up and tighten the bolts.
7. Lower the Front Panel again. **DO NOT FASTEN DOWN FRONT PANEL YET OR REPLACE LOWER GUARD PANEL ON STEERING COLUMN.**

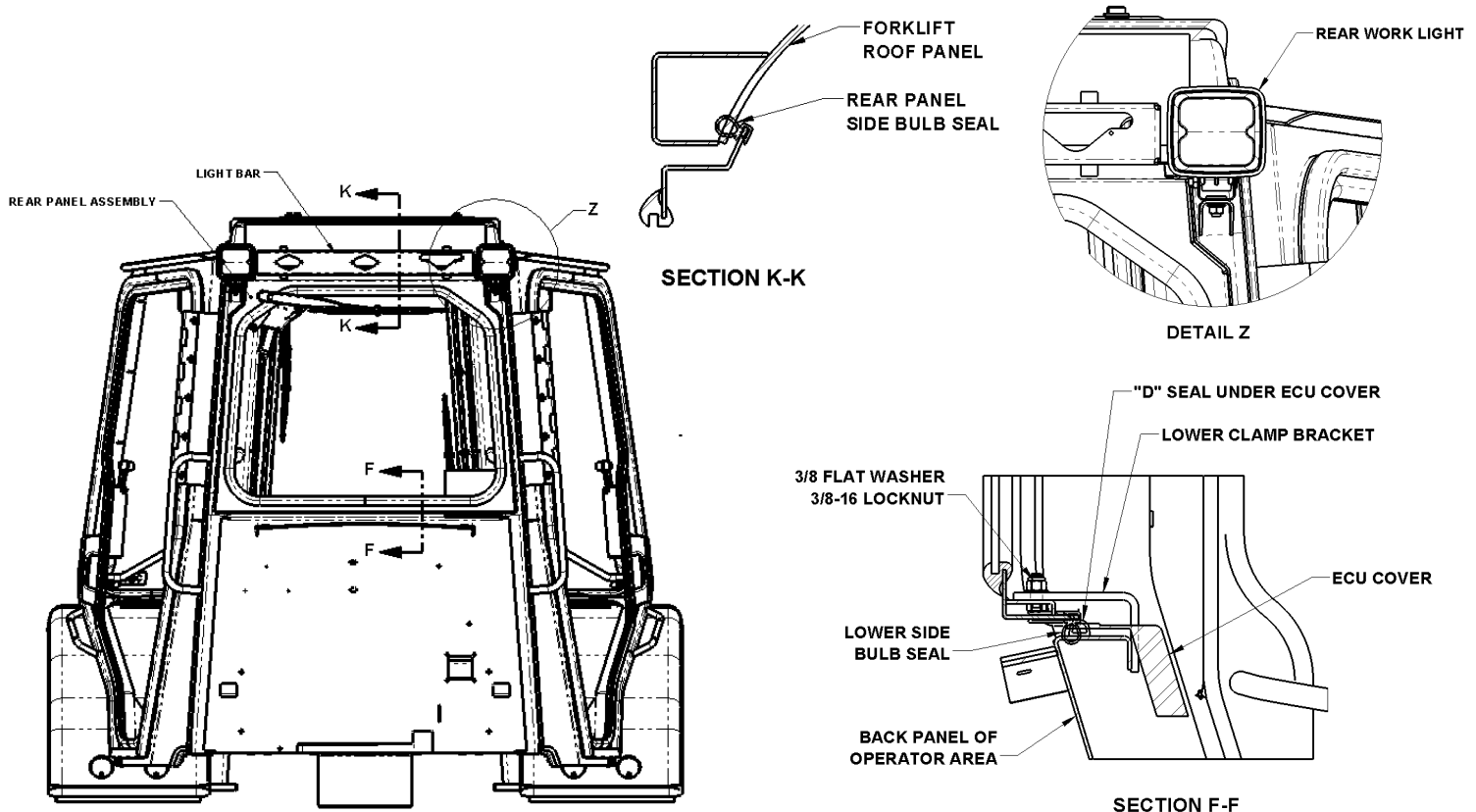


Rear Panel Installation

See drawing 71843-01
for illustration

1. Remove ECU cover and apply "D" seal to the Forklift crossmember along the back edge.
2. Replace the ECU cover. The seal will provide a barrier between the Forklift crossmember and the back edge of the ECU cover.
3. Slide the top flange of the Rear Panel Assembly (P/N 71843-03) underneath the forklift roof panel. Keep the bottom edge of the Rear Panel tilted out towards the rear of the forklift.
4. Ensure the Rear Panel is pushed up as high as it will go and the panel is centered. Tilt the bottom of the Rear Panel towards the ROPS tubes of the Forklift. The side bulb seal located at the top of the panels should be seated against the underneath side of the Forklift roof panel. Seat the side bulb seal located on the bottom of the Rear Panel on the cross member of the Forklift as shown in section view F-F.

- Attach lower mounting brackets (P/N 71843-41) as shown in view below with (1) 3/8 flat washer (P/N 20942-038), (1) 3/8-16 Nylock nut (P/N 20057-038) per side.
- With the Panel properly seated & sealed tighten all Bolts.
- Apply Sealant (P/N 22666) to rear light wires as they go through the Forklift roof and into the light bar.

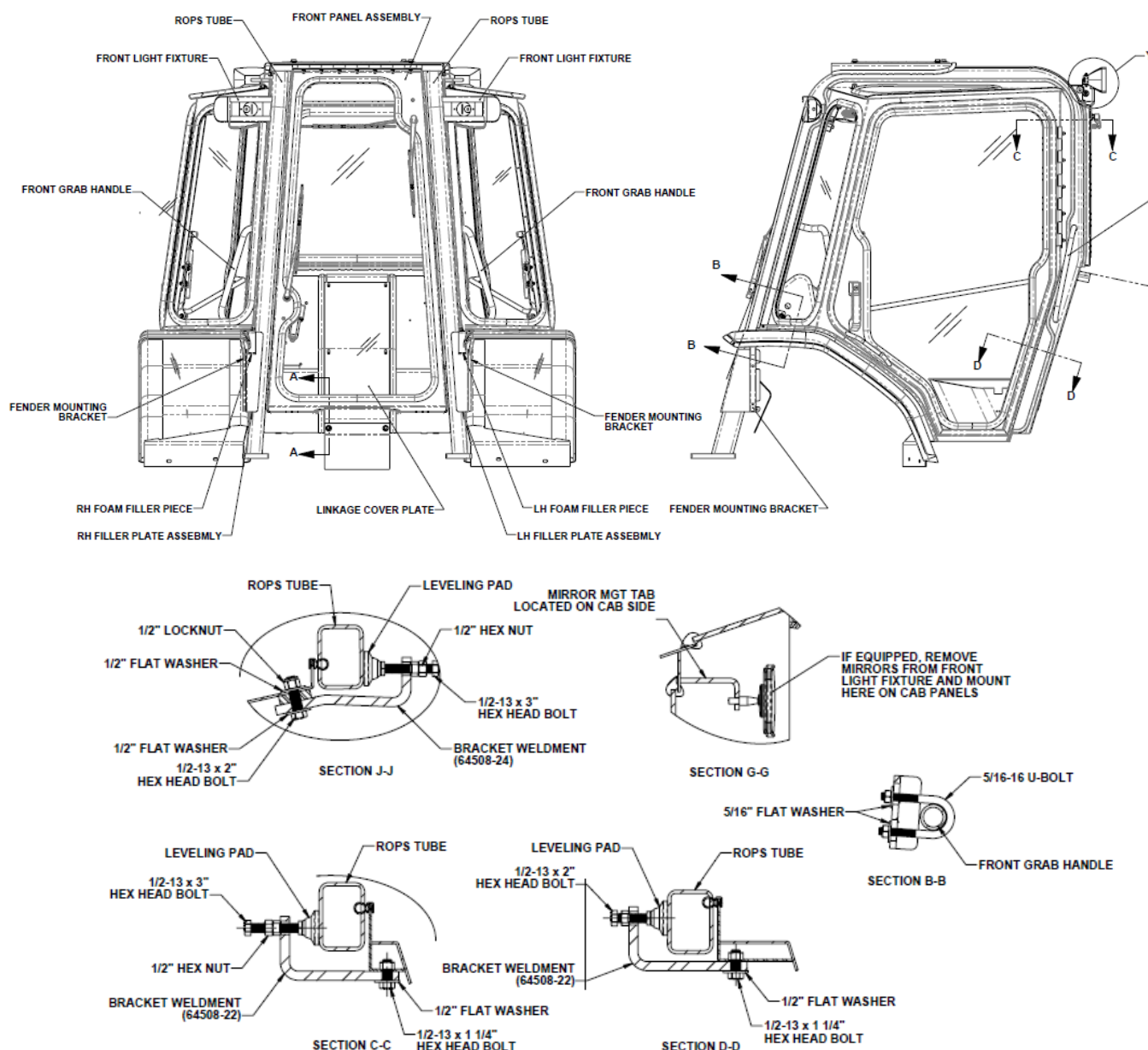


Side Panel Installation

See drawing 71843-01
for illustration

- Remove mirrors located on the light housing on each side of the Forklift.
- Loosen the (2) nuts located behind the front tires that secure fender bracket in place (taking them all the way off is not required).
- Place the Foam Filler Piece (P/N 22577-1) left hand or (P/N 22577-2) right hand (see photo 5 on page 7), between ROPS tube and tire fender with the white contact paper facing the front of the Forklift. **DO NOT REMOVE THE CONTACT PAPER YET.** Place the Foam Piece so the top of it is 1/8" to 1/4" above the tire fender. Remove only the exposed area of the contact paper. Repeat for other side.
- Slide the Filler Bracket (P/N 64508-07-2) left hand or (P/N 64508-07-1) right hand (see photo 6 on page 7), between side of Forklift and tire fender mounting bracket. Upward force on outer side of the tire fender mounting bracket may be required to separate the bracket from side of the Forklift. **CAUTION: DO NOT PULL ON THE FENDER.** Doing so may cause damage to the fender.
- Tighten the loosened bolts used to secure tire fender mounting bracket while applying downward pressure to top of Filler Bracket. Make sure front side of the Filler Bracket stays seated against the ROPS tube. The gap between the ROPS tube and fender should be filled and sealed leaving a flat surface from the top of fender to the ROPS tube.
- Set Side Panel Assembly (P/N 64508-04-2 left hand, P/N 64508-04-1 right hand) into position: Slide the Panel between rear ROPS tube and grab handle. Do not rest bottom of the Side Panel Assembly on floor of the Forklift yet. Being careful not to damage side bulb seal on the Side Panel, guide the front of Side Panel around the light fixture located on ROPS tube. Pull up on the Side Panel Assembly and rest it on the floor of the Forklift. The Side Panel Assembly should rest against the ROPS tube by itself now.

7. Secure Side Panel Assembly to the Forklift by fastening (1) 5/16-18 U-Bolt w/ (2) Nuts (P/N 22611-02) & (2) 5/16 Flat Washer (P/N 20133-031) around lower section of the front grab handle and through the mounting bracket as shown in **SECTION B-B. DO NOT FULLY TIGHTEN YET.**
8. Assemble 1/2-13 Hex Nut (P/N 20055-050) onto each 1/2-13 x 3" Hex Head Bolt (P/N 20584-300). Thread the nut and bolt assembly onto the weld nut of each Mounting Bracket, (2) (P/N 64508-22) and (2) (P/N 64508-24) as shown. Assemble Leveling Pads (P/N 22915-050) onto the Bolts as shown. Repeat the same procedure to the remaining (2) Mounting Brackets (P/N 64508-22) using 1/2-13 x 2" Hex Head Bolt (P/N 20584-200).
9. Fasten the mounting bracket assembly (Mounting Bracket P/N 64508-22 with the 2" Bolt) to tapped hole in the lower rear of the Side Panel Assembly using (1) 1/2-13 x 1 1/4" Hex Head Bolt (P/N 20004-125) and (1) 1/2" Flat Washer (P/N 20133-050). See section D-D. **DO NOT FULLY TIGHTEN YET.** Adjust the Leveling Pad Assembly so that the Side Panel Assembly is pulled snug against the ROPS tube as shown. **DO NOT FULLY TIGHTEN YET.**
10. Fasten the mounting bracket assembly (Mounting Bracket P/N 64508-22 with the 3" Bolt) to tapped hole in the upper rear of the Side Panel Assembly using (1) 1/2-13 x 1 1/4" Hex Head Bolt (P/N 20004-125) and (1) 1/2" Flat Washer (P/N 20133-050) (see section C-C and photo 3 on page 7). **DO NOT FULLY TIGHTEN YET.** Adjust the Leveling Pad Assembly so that the Side Panel Assembly is pulled snug against the ROPS tube as shown. **DO NOT FULLY TIGHTEN YET.**

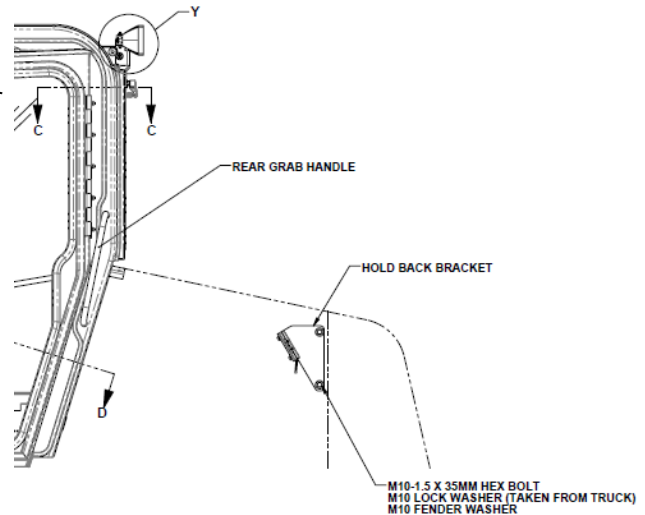


- Fasten the mounting bracket assembly (Mounting Bracket P/N 64508-24 with the 3" Bolt) through hole in the top of the Side Panel Assembly using (1) 1/2-13 x 2" Hex Head Bolt (P/N 20584-200), (2) 1/2" Flat Washer (P/N 20133-050), and (1) 1/2-13 Locknut (P/N 20057-050) (see section J-J photo 2 on page 7). Adjust the Leveling Pad Assembly so that the Side Panel Assembly is pulled snug against the ROPS tube as shown. **DO NOT FULLY TIGHTEN YET.**
- First tighten all the bolts used to fasten the Mounting Brackets onto the Side Panel Assembly. Next tighten all Leveling Pad Bolts so that the Side Panel is tight against the ROPS tube and secure by tightening Hex Nuts against the Weld Nuts. **DO NOT OVER TIGHTEN.**

Door Hold Back Bracket Installation

See drawing 71843-01 for illustration

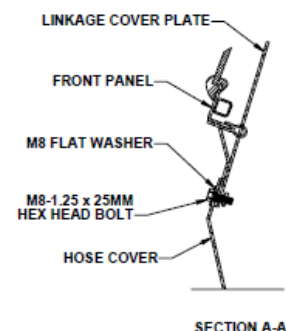
- With the engine compartment panel closed, remove the (2) Bolts and Washers (top and middle) located on the rear of the panel.
- Attach the Hold Back Bracket (P/N 64508-08-2) left hand or (P/N 64508-08-1) right hand using (2) M10-1.5 X 35 mm Hex Head Bolt (P/N 20428-035), (2) existing lock washers that were removed and (2) M10 flat washers (P/N 20389-10).
- Open door fully and check for proper snug fit of the round bar and latch. If necessary, loosen and adjust latch and retighten.
- Repeat steps 1-3 for other side.



Wiring Installation

- With the mast tilted forward, raise the Front Panel Assembly and secure it in the horizontal position. **WARNING: FAILURE TO SECURLY HOLD FRONT PANEL MAY CAUSE SERIOUS INJURY.**
- Disconnect the battery before proceeding with wiring installation.
- Remove front cover panel on steering column box.
- Pull up floor mat only on the front side of cab.
- Route the wiring harness that is attached to the Left Side Panel Assembly down inside of left fender, around the floor, and inside the opening for the acceleration pedal.
- Attached harness from left side panel to fused wire harness (26698). Route fuse harness along the truck frame then underneath the seat where the truck fuses and relays are located.
- Locate the orange wire (circuit ID AP53) on the forklift. Remove heat shrink from orange wire, strip, and crimp the yellow spade connector from the cab power harness (26698) onto it.

- Remove one of the bolts on the chassis and install the ground wire (black).
- NOTE:** If optional Heater and Defroster Fan was purchased, install at this time before proceeding to next step. See separate set of instructions for installation.
- Replace the cover for the steering column using only the top (4) bolts.
- Lower Front Panel Assembly and place guard plate on top.
- Secure existing guard plate and Front Panel Assembly to lower (2) holes in the steering column plate by using (2) M8-1.25 x 25 mm Hex Head Bolts and (2) M8 Flat Washers as shown.



1. Reconnect battery and check that all wipers, light, and optional electrical components are operating properly.
2. Check all panels for proper sealing. If any gaps are found, loosen and readjust panels as necessary to give a good weather tight fit. Check all bolts to make sure they are tight.
3. **IMPORTANT:** As a final check for leaks before delivery to customer; from inside of cab look for holes or gaps in the rubber seals and corners of all panels. Seal all gaps and holes with Black Sealant (P/N 22666). Then spray cab with water and check for leaks again. Apply more sealant if necessary.

Reference Photos

