

Heater Installation Instructions



CASE

**H SERIES
FORKLIFTS
586H
588H**



**Cab Code #71843-01
Heater Kit #68861-15
For Case H Series Forklifts
Model: 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 (64508-15) prior to attempting installation. For best results follow instructions in order.
2. If installing cab enclosure kit at the same time, install enclosure kit per instruction prior to installing Heater Kit package.
3. **WARNING: DO NOT CUT OR GRIND INTO ROPS CANOPY STRUCTURE. DOING SO WILL VOID THE ROPS SAFETY CERTIFICATION.**

Heater Installation

**See drawing 68861-15
for illustration**

1. Disconnect the battery.
2. Tilt the mast of Forklift forward and remove (2) lower bolts that secures the Front Panel Assembly to the Forklift.
3. 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.
4. Drain the radiator. The drain plug is located on the lower end of the radiator unit and to the left side of the Forklift. For faster draining make sure the radiator cap is removed.
5. Locate access hole for heater hose. In the left front area of the floor, scribe a mark on the floor mat that is 2 1/2" from the tire fender and 4 1/4" from the front edge of the floor.
6. Pull out any existing wiring harnesses that might be underneath the front area of the floor mat.
7. With a 3" diameter hole saw, cut into the scribed location on the floor mat stopping when a mark is made on the sheet metal part of floorboard. Pull back the floor mat and remove rubber cut by hole saw.
8. With the floor mat pulled out of the way, proceed with cutting the hole through the sheet metal. When completed, clean any loose metal shavings and insert 3" Rubber Grommet (P/N 20460-10) over the cut hole.
9. Replace floor mat and place heater unit as shown (see photo 3 on page 3). Run the hoses, attached to the heater, through the cut hole in floorboard and to the rear of the Forklift. For now rest the end of the hoses in the engine compartment. The heater should rest against the tire fender and the hoses should run straight down through cut hole in the floor.
10. While pressing the heater unit in up against the tire fender, locate & drill two 9/16" diameter holes through the fender using holes in the heater bracket for location.
11. Remove the front cover plate on the steering column of the Forklift.
12. With the heater unit in place, run the wiring harness through the opening for the accelerator pedal and up into the steering column area pulling tight all the lose slack in the harness. Attach the hot wire (red) to the fused wire harness that was supplied with the Cab Enclosure Assembly. Attach the Ground Wire (Black) to the same bolt used to ground the Cab Enclosure Assembly. Tuck the wire harness underneath the floor mat from the accelerator pedal to the corner of the Cab.
13. Fasten the heater unit with (1) 3/8-16 x 1 1/4" Hex Head Bolt (P/N 20002-125), (2) Flat Washers (P/N 20133-038), and (1) 3/8-16 Lock Nut (P/N 20057-038) for each of the two holes on the heater unit.
14. Before continuing make sure the radiator is drained.
15. Locate the water taps on the engine. One is located on the left side of the engine underneath the alternator and the other is located on the front side of engine block in the upper forward area. Remove the blanks with an Allen wrench.
16. Place the Water Shut Off Valve (P/N 23338) into the port underneath the alternator. Tighten securely and make sure the hose nipple is pointing towards the front of the Forklift.
17. Place the Male hose connector (21609) into the port on the front side of the engine block.

18. Locate the hose with the in-line water control valve. Place (1) Hose Clamp (P/N 22817-063) onto the end of the hose. Attach the end of the hose to the Valve that was placed in the front area of the engine and tighten the Hose Clamp as shown below.
19. Locate the hose without the in-line water control valve . Place (1) Hose Clamp (P/N 22817-063) on the end of the hose. Attach the end of the hose to the Valve that was placed in the rear area of the engine block and tighten the Hose Clamp as shown below.
20. Tighten the radiator drain plug and refill the radiator.
21. Open the (2) new valves on the engine.
22. Reconnect the battery.
23. Check that the heater fan works in all 3 speeds.
24. Replace the cover on the steering column.
25. Lower the Front Panel and secure it to the Forklift.
26. Secure hoses in place around the frame of the Forklift behind the front tire with supplied nylon Cable Tie as shown.

