

**INSTALLATION
INSTRUCTIONS**

CUMMINS 'C' SERIES, 8.3 L ENGINE HEATER



CAUTION

DO NOT plug in heater if heating element is not immersed in coolant. If not immersed, element sheath may burst and could result in personal injury.

USE a 50/50 solution of ethylene glycol antifreeze and water for optimum heater performance.

DO NOT use more than 65% concentration of antifreeze, as a shortened heater life will result.

DO NOT use heater in coolant system containing any form of stop-leak additive.

HEATER INSTALLATION PROCEDURE

1. Drain engine coolant.
2. Remove 2 ¼" core plug located on the right rear side.
3. Clean core hole surface thoroughly. Remove any burrs or sharp edges on inner edge of core hole. The hardened cup plug sealant must be removed.
4. Apply coating of lubricant to the heater O-ring, to ease installation and prevent O-ring damage.
5. Install heater into the core hole using the following method:
 - Unthread the bolt until the locking channel is fully extended. Rotate the channel to the right until it stops against the element (fully clockwise). The channel can be installed in only this orientation.
 - Hook the element into the core hole, pointing to 5 o'clock. Hook the upper end of the channel into the hole. Swing the lower end of the channel into the hole. Press the heater squarely into the core hole. Once installed, the locking bolt should move freely in and out. If it doesn't, reinstall the heater.
6. Tighten the bolt to 120 inch-pounds torque.
7. Insert power cord connector firmly into socket, being careful to align pins with sockets of connector on the cord. Tighten strain relief nut securely by hand.
8. Route cord to location for easy connection to 120 VAC properly grounded outlet. Fasten cord where necessary to prevent contact with hot engine surfaces and moving parts. Allow slack for engine vibration.
9. Fill cooling system completely with good grade permanent antifreeze solution. See CAUTION note above.



CAUTION

Before applying power to heater, operate engine until all trapped air is removed. This is done by operating engine until thermostat opens (normal operating temperature). Run engine at governed high RPM for 5 to 10 seconds

WARRANTY

The Phillips & Temro Industries warranty statement is located on the website at phillipsandtemro.com/terms.