

**INSTALLATION
INSTRUCTIONS**

**CAT C13/C15 STOR FITTING HEATERS 2007 &
NEWER DETROIT DIESEL SERIES 60**



WARNING

PERSONAL INJURY. Never operate heater if element is not immersed in coolant. Element sheath could burst and cause personal injury.
HEATER DAMAGE. Never run engine while heater is in operation. Shortened heater life will result.
HEATER DAMAGE. DO NOT use stop leak additives or improper coolant mixtures. Shortened heater life will result.

HEATER INSTALLATION PROCEDURE

1. Drain engine coolant. Flush system if necessary.
2. **For CAT C13 coolant heater:**
Remove one of the three possible 1 5/16" plugs located at the rear and side of the oil cooler bonnet on the right side of the engine (see Figure 2).
- For CAT C15 coolant heater:**
Remove the 1 3/16" plug located at the rear of the oil cooler bonnet on the right side of the engine (see Figure 3).
- For 2007 & Newer Detroit Diesel Series 60 coolant heater:**
Remove the 1 3/16" hex head plug located on the upper part of the oil cooler housing (see Figure 4).
3. Install heater assembly. Tighten securely.
4. Insert power cord connector firmly into socket, taking care to align pins with sockets of connector on cord. Tighten strain relief nut securely by hand.
5. Route cord to outside, securing where necessary to allow slack for engine vibration and ensure that cord does not touch engine, hot pipes, or any moving parts. Connect only to a GFCI protected 120-Volt AC outlet. If an extension cord is used, it must be the three-wire grounded type.
6. Refill cooling system with coolant mixture. Use a standard 50/50 mixture of coolant and water. Do not use more than 60% concentration of coolant as it will reduce the heater life.
7. Run engine up to operating temperature and check for leaks. Let engine run for 5-10 minutes after thermostat opens to ensure all air is bled from system.

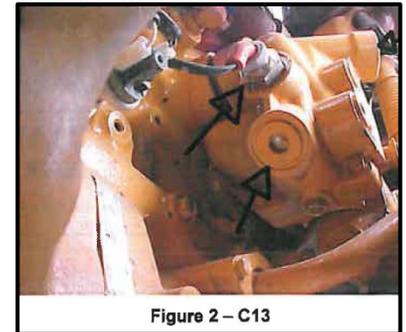


Figure 2 – C13

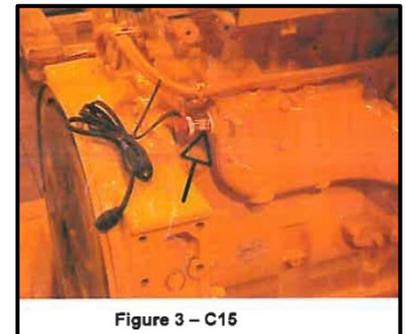


Figure 3 – C15



Figure 4 – 2007 & Newer Detroit Diesel Series 60



CAUTION

HEATER DAMAGE. Do not operate heater until all air is bled from system. Shortened heater life will result.

WARRANTY

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