

## Block Heater (70000-02968) Installation

### Block Heater Packed Parts

No	Description	Qty
1	1/4NPT-3/8NPT Nipple	1
2	3/8NPT-3/8NPT Nipple	3
3	3/8NPT Tee	2
4	3/8NPT-3/4NPT Reducer	2
5	3/4NPT x 1" Barb Straight Fitting	2
6	Hose, 1" ID	25"
7	Block Heater	1
8	Hose Clamps, HS-20	4

**NOTE: Procedure is based on continuation of Step 3 in cab installation.**

**NOTE: Use a water sealant around all fitting threads.**

1. Verify that all the parts listed above match what was received.
2. Drain engine anti-freeze.
3. Locate the plug on the right side of the thermostat housing and remove. Save plug to be re-used later.
4. Insert 3/8NPT-3/8NPT nipple (2) into port.
5. Install 3/8NPT tee (3) onto 3/8 nipple just installed.
6. From cab heater kit, install the 3/8NPT-3/8" barb 90D fitting (PRESSURE fitting) into the inline port. **NOTE: cab heater installation can now proceed with suction fitting installation from cab installation manual.**
7. Install 3/8 NPT nipple (2) into tee in 90-degree port.
8. Install 3/8NPT-3/4NPT reducer (4) into 3/8NPT.
9. Install 3/4NPT x 1" barb straight fitting (5) into reducer.
10. Take 1" ID heater hose and cut into separate 20" and 5" pieces.
11. Install 20" piece onto 3/4NPT x 1" barb fitting with one HS-20 hose clamp (8).
12. Route hose over engine to left side.
13. Locate the engine plug on the lower left side of the engine and remove.
14. Insert the 1/4NPT-3/8NPT nipple (1) into the port. **NOTE: Fit is very tight around port.**
15. Insert the plug removed earlier into the 3/8NPT-tee (3) in the inline section.
16. Install the tee onto the 1/4NPT x 3/8NPT nipple with the other end of the inline section.

17. Install a 3/8NPT nipple onto the 3/8NPT tee.
18. Insert a 3/8NPT-3/4NPT-reducer (4) onto the 3/8NPT nipple.
19. Install a 3/4NPT x 1" barb straight fitting (5) onto the reducer.
20. Install the 5" piece of 1" heater hose onto the fitting with HS-20 hose clamp.
21. Take the block heater and install inline between the hoses with the remaining HS-20 hose clamps.

