
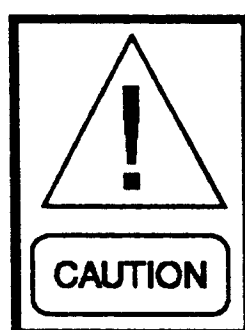


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|  | Form No.: 160.46-OM3.1 (LS11)                     | 0800 |
|   | Supersedes: 160.46-OM3.1(SB5) & 160.46-OM3.1(SB8) |      |
| LITERATURE SUPPLEMENT   | File with: 160.46-OM3.1 (1191)                    |      |
| Subject: Liquid Cooled Solid State Starters (Style A)                             |   |      |

## COOLANT MAINTENANCE

The Liquid Cooled Solid State Starter (LCSSS) cooling loop coolant must be changed every year.



*The probability of SCR heatsink corrosion is greatly increased if the coolant is not replaced within the stated time interval. If a unit failure occurs due to improper maintenance during the warranty period, YORK will not be liable for costs incurred to return the system to satisfactory operation.*

Should the coolant become cloudy or brown in color, it must be drained and discarded. New coolant must be added to the system and circulated for a period of one-half hour. The system must then be drained and the coolant discarded. New coolant must be added to the system. Recheck the system in two weeks to ensure that the coolant has not changed color.

There is no need to change the coolant should it become clear. The properties of clear coolant are within the required limits.

## COOLANT FILL PROCEDURE

For units manufactured prior to 1993, refer to form 160.46-OM3.1 page 19 for detailed LCSSS cooling loop fill information. Substitute YORK Coolant in place of the corrosion inhibitor and distilled water described in the manual.

For all other Style A LCSSS units (new coolant reservoir/header design), the following procedure applies:

1. If coolant was previously installed in the system, drain it into a container by opening the loop at or near the lowest point in the system. Remove the plastic plug from the top of the reservoir to allow air to enter. If the coolant is cloudy or brown in color, the system must be filled with new coolant and the coolant circulated through the system for a period of one-half hour. This coolant must be drained and discarded. Then new coolant must be used to fill the cooling system.
2. Make certain all hose connections are tight. Fill the coolant reservoir with YORK Coolant until the level is ½ inch from the top.
3. Manually run the coolant pump by disconnecting one of the thermistor plugs (J2, J3, J4) from the trigger board in the LCSSS. Let the pump run for 5 minutes. Top off the level of the coolant.
4. Allow the pump to run for at least 15 minutes. Verify that the coolant level is within ¼ inch from the top of the coolant reservoir. While running the pump, add coolant as necessary until the level is stable. This is an indication that all of the air has been worked out of the coolant system.
5. Reinstall the thermistor plug to the trigger board.
6. Wrap the plastic pipe plug with Teflon tape, and install on the coolant reservoir.