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LITERATURE SUPPLEMENT	File with: 160.00-O2 (200)	
Subject: Liquid Cooled Solid State Starters (Style B)		

MANUALLY RUNNING THE CLOSED LOOP COOLANT PUMP

The Style B Liquid Cooled Solid State Starter (LCSSS) is now controlled by a microprocessor. The software for the microprocessor requires the LCSSS and the OptiView panel to be communicating through the communication link before the LCSSS closed loop coolant pump control software is enabled.

In order to manually run the closed loop coolant pump, all three of the thermistor connectors must be removed from the Logic/Trigger board. Refer to form 160.00-O2 page 24 for more LCSSS start-up information.

TROUBLESHOOTING THE CLOSED LOOP COOLANT PUMP

Should the closed loop coolant pump not function:

- First, verify that the OptiView panel is NOT displaying a LCSSS INITIALIZATION FAILED message. This is only a problem on initial power-up of the LCSSS. If communication between the LCSSS and the OptiView panel had been established and then is broken, the manual operation of the closed loop coolant pump would function. Refer to form 160.00-O2 page 19 for details about the LCSSS INITIALIZATION FAILED message.
- Verify that 7FU and 8FU in the LCSSS are not open. If they are open, then isolate the circuit to determine which circuit is shorted. Refer to the wiring diagram label inside the starter.
- Verify 115 VAC from wire 107 to wire 2. If 115 VAC is not measured, then verify 4FU and 5FU in the LCSSS. If these fuses are okay, then verify input voltage to T1, and T1's primary wiring.
- If all of the above are verified, then remove the J12 connector and place a jumper in it. If the closed loop coolant pump starts running, then a circuit on the Logic/Trigger board has failed. The Logic/Trigger board must be replaced. If the closed loop coolant pump does not run, then verify the wiring to the pump. If the wiring is okay, then replace the closed loop coolant pump.

COOLANT MAINTENANCE

The LCSSS cooling loop coolant must be changed every year. Refer to form 160.00-O2 page 24 for detailed LCSSS cooling loop fill information.



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.