NOTICE

No warranty will be extended to unapproved, unauthorized or improper installations. Use of any materials or equipment unsuited for their intended use will result in a voided warranty for the Oasis™ Distribution Module.

This Inspection Check Sheet is intended for use after the Distribution Module has been installed; it should also be used informally to monitor progress during the installation. Only authorized personnel may carry out the inspection and testing

No rewiring of the Oasis™ Distribution Module is permitted unless it has been pre-approved by ITR.

1. Before Start-up

✓	Step	1. Before Start-up
	1	The Oasis™ Distribution Module and all components are mounted in an appropriate location according to ITR recommended guidelines, with required clearances for maintenance at the front of the unit.
	2	All components, accessories and materials are ITR-manufactured or appropriate for their intended use.
	3	Length, routing and sizing of coolant and domestic water hoses, and air vents, are of a suitable type and have been installed and connected according to the installation guide standards.
	4	All DC wiring connections are in accordance with ITR guidelines and correctly secured, sized and installed according to normally-accepted wiring practices and applicable standards (CSA Standard C22, Canadian Electrical code Part I, or the National Electrical Code).
	5	A 25 Amp fuse is correctly positioned in line from the power source to the positive connection to the Oasis™ Distribution Module zone board.
	6	The cables on the Oasis™ Distribution Module zone board are connected properly to the Oasis™ Distribution Module, Oasis™ Heating Module, and Oasis™ remote.
	7	The cabin fan power leads are connected to the 5 color coded leads on the zone board. Cabin fan grounds are connected to the same DC ground being supplied to the zone board.
	8	The thermostat leads are connected to the 5 color coded leads on the zone board. The thermostats are powered from the same 12 VDC power source supplying power to the zone board.
	9	Ensure that the domestic water loop of the Oasis™ Distribution Module contains only water and the engine and space heating loops are filled with a propylene glycol/water mixture respectively. Ensure all trapped air has been bled. Do not use Marine/RV antifreeze.
	10	The Oasis™ Distribution Module, cabin fans and the Oasis™ Heating Module are connected according to ITR plumbing guidelines.

✓	Step	1. Before Start-up
	11	Circulation lines are properly insulated from cold and protected from solvents where necessary.
	12	The air source for the cabin fans must be supplied from living spaces or outside air only.

Comments: _____

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Inspection #1 completed by: _____
Print name Signature Date

2. Initial Start-up

! DANGER

Never

- operate the pumps without fluid in the system
- connect the domestic water circuit with the space heating or engine heating circuit.

✓	Step	2. Initial Start-up
	13	Once the Oasis™ zone board is connected to power, the green power LED will light. Turn up the room thermostats. When there is sufficient heat in the Oasis™ Heating Module, the cabin fans for the zones calling for heat will activate.
	14	Ensure no leaks are present (check all hosing, connections, etc.).
	15	If the engine waste heat, re-use function is installed, ensure the coolant supply and return ports are correctly located as per the engine manufacturer's recommendations.
	16	If engine pre-heat function is installed ensure that all these connections are tight and correct.

Comments: _____

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Inspection #2 completed by: _____
Print name Signature Date

3. Normal Operation

✓	Step	3. Normal Operation
	17	Ensure the Oasis™ Distribution Module continues to operate until the zone has reached set room temperature.
	18	Ensure the domestic hot water system operates effectively (turn on hot water tap; hot water should run continuously; 52°F (29°C) difference from cold at 1.5 GPM; use thermocouple to test temperature). Note a cold system takes approximately three minutes to attain operating temperature.
	19	Ensure each interior fan operates effectively. Set Zone 1 thermostat to 10°F above ambient. If there is a fan speed switch, set it to high. Zone 1 fans should come on immediately if the system is at temperature. If the system is cold and fans have internal aquastats, they will not turn on until the coolant reaches temperature. Set fan speed to low and confirm that speed reduces. Turn down the thermostat and confirm fans shut down. Repeat for each interior zone.
	20	All interior fans operate effectively together (turn up all zone thermostats; total amperage draw of all fans must be 15 Amps or less).
	21	If installed ensure that the freeze protection device functions correctly by finding the Low Temperature Thermostat (normally located on or immediately adjacent to the fresh water tanks) and with the heater enabled hold an ice-cube to the contact surface of the device. If heat is available, the distribution module will activate in less than one minute from the initial contact.
	22	If installed, ensure the engine waste heat recycling function works correctly: start the engine and bring it up to normal operating temperature. Turn on the thermostat and activate the Oasis™ Heating Module by turning on the burner switch on the Oasis™ remote. Once the Oasis™ Heating Module comes up to temperature and the Oasis™ Distribution Module activates, check that the heat from the engine will keep the Oasis™ Heating Module from firing as often.
	23	If installed, ensure the engine pre-heat function works correctly (with the heating system at temperature, turn on the pre-heat pump switch; engine temperature should change within 15 minutes).

Comments: _____

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Inspection #3 completed by: _____

Print name Signature Date

4. Shutdown

✓	Step	4. Shutdown
	24	When the Oasis™ Heating Module is running and is turned off at the remote indicator panel the heater should run through its two minute purge cycle.
	25	With all systems off and no call for heat, the system shuts down completely after purging (two minutes).
	26	Ensure the fluid levels are checked and topped up after cool-down.
	27	If the Oasis™ Distribution Module will not be operated in low temperature conditions, drain the domestic water system to avoid freezing.

Comments: _____

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Inspection #4 completed by: _____
Print name Signature Date

The Oasis™ Distribution Module Serial No.

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Type of Installation Marine or RV

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Cubic Volume of Heated Areas

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Owners Name / Address / Telephone Numbers

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Supervisor and final sign-off: _____
Print name Signature Date