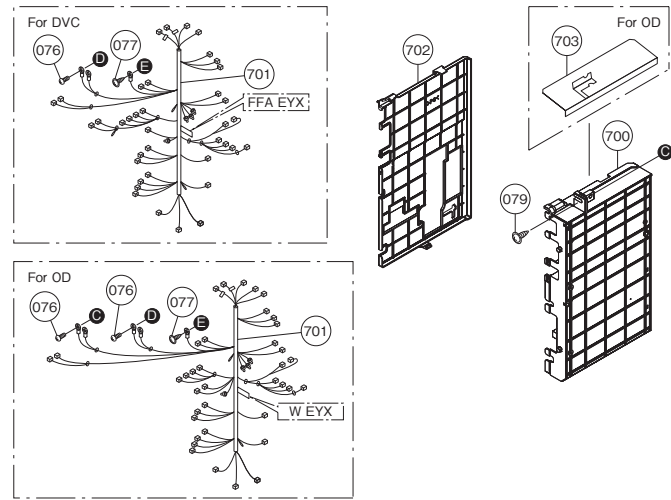




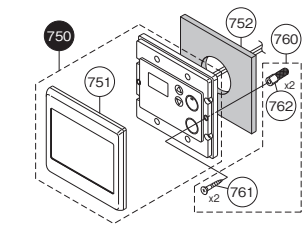
Electronic control unit, Remote controller and Attached set  
NR83DVC (GQ-2457WS-FFA US) · NR830D (GQ-2457WS US)

Electronic control unit

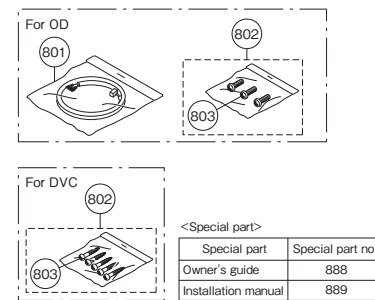


Remote controller

For OD  
RC-7651M-ENG



Attached set

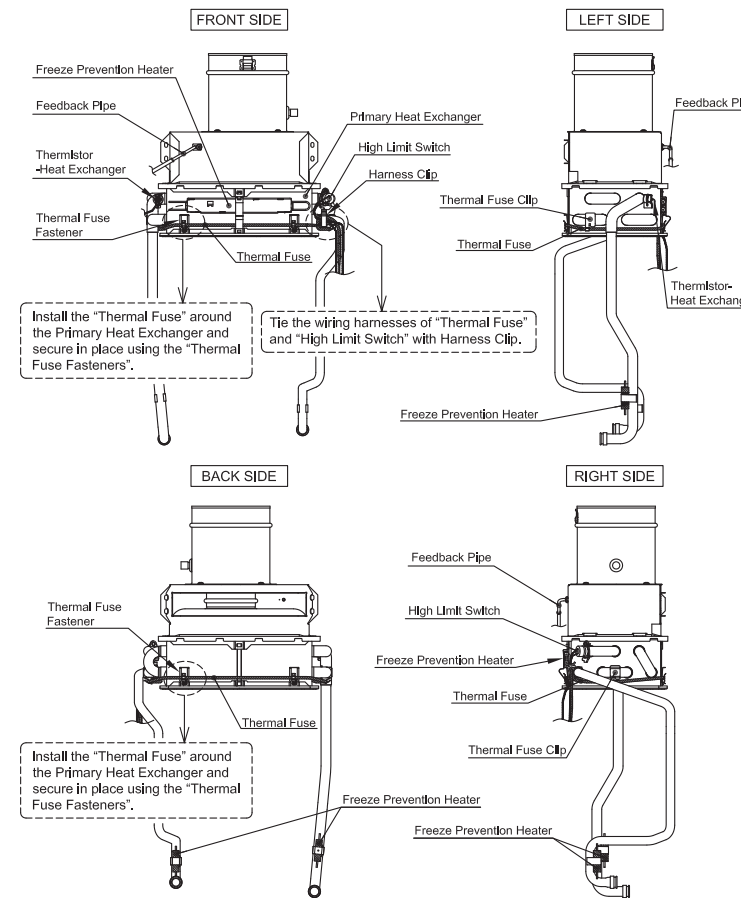


Electronic control unit, Remote controller and Attached set  
NR83DVC (GQ-2457WS-FFA US) · NR830D (GQ-2457WS US)

Part Nos.	Part Names	Order Nos.	Q'ty/unit
700	Circuit Board	SHC714Z	1
701	Wiring Harness - NR83DVC (GQ-2457WS-FFA US)	SKJ7251	1<GQ-2457WS-FFA US>
702	Wiring Harness - NR830D (GQ-2457WS US)	SKJ7250	1<GQ-2457WS US>
703	Cover - Circuit Board	ERD008	1
	Cover - Circuit Board Water Resistant	ETHA023	1<GQ-2457WS US>
750	Remote Controller - RC-7651M (SET)	QXU017	1<GQ-2457WS US>
751	Cover - Remote	QME4003	1<GQ-2457WS US>
752	Mounting Packing - Remote	QHUA115	1<GQ-2457WS US>
760	Screw Package - Remote(SET)	QQUA100	1<GQ-2457WS US>
761	Screw - Round Head Wood M4.1X25 S305		1<GQ-2457WS US>
762	Dry Wall Anchors6X25		1<GQ-2457WS US>
800	Box - NR830D (GQ-2857WX US)	SKG7318	1<GQ-2457WS-FFA US>
801	Remote Cord - 6ft	SKH7200	1<GQ-2457WS US>
802	Wood Screw set5	ETHM001	1<GQ-2457WS US>
	Screw Package - Mounting OD	SAF6007	1<GQ-2457WS-FFA US>
	Screw - Round Head Wood 4.8X38 S305	SAB2286	1<GQ-2457WS US>
803	Screw - Mounting Machine MSX12 S430		1<GQ-2457WS-FFA US>
	Screw - Mounting Machine MSX12 S430		1<GQ-2457WS US>
888	Owner's Guide	SBB80YQ	1
889	Installation Manual	SBB80JW SBB80YR	1<GQ-2457WS-FFA US> 1<GQ-2457WS US>

« Thermal Fuse Replacement Procedure »

Move the "Freeze Prevention Heaters", "High Limit Switch", "Thermistor-Heat Exchanger" "Feedback Pipe", "Thermal Fuse Fasteners", "Harness Clip", and "Thermal Fuse Clip" from the old Primary Heat Exchanger to the new one. (See 4 side view pictures below for location of each part.)



Procedure for Flushing the Heat Exchanger

This procedure is only intended for use by a qualified service professional or authorized Noritz Service Representative. Any unauthorized use of this procedure may result in voiding the warranty. Please contact Noritz America (866-766-7489) for additional support.

If the error code "C\*#"-C\*#" is flashing on the Remote Controller (or Operation Panel\*\*), it means there is Scale Build-up in the Heat Exchanger. The Heat Exchanger needs to be flushed\*\*\* to remove the Scale Build-up.

Damage to the water heater due to Scale Build-up is not covered by the water heater's warranty. To clear the error code "C\*#"-C\*#", the Heat Exchanger must be flushed.

If the error code "C\*#" is displayed and flashing on the Remote Controller (or Operation Panel\*\*), please contact Noritz America (866-766-7489).

\*\* \* = 1, 2, 3, 4, F / # = 0, 1, 2, 3, 4, 5, 6, 7, 8, 9

\*\* NR83DVC(GQ-2857WX-FFA US) and NR83DVC(GQ-2457WS-FFA US) only.

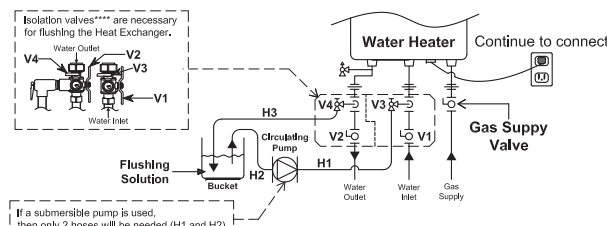
\*\*\* Connect the "blue connector for flushing" near the Circuit Board when flushing the Heat Exchanger. After connecting it, the water heater is set to "Flushing Mode".

The water heater must remain connected to electrical power when flushing the Heat Exchanger.

Basic Procedure

« Procedure 1. The preparation of the flushing system »

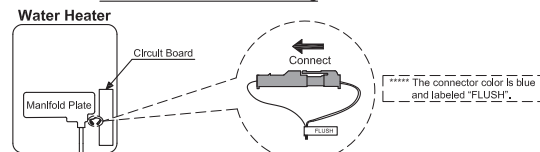
1. Close the gas supply valve.
2. Close the water inlet valve (V1) and the water outlet valve (V2).
3. Connect the one drain hose (H1) to the drain valve (V3), and then the other to the circulating pump.
4. Connect the drain hose (H2) to the circulating pump.
5. Connect the drain hose (H3) to the drain valve (V4).
6. Pour 1 gallon of "Calcium, Lime and Rust Removal Product" and 1 gallon water into the bucket. Noritz recommends "Calcium, Lime and Rust Removal Product" for flushing.
7. Place the both drain hoses (H2 and H3) into the bucket filled with the flushing solution.
8. Open the both drain valves (V3 and V4).



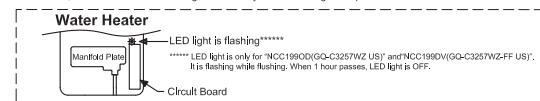
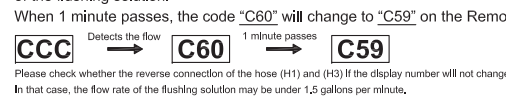
\*\*\*\* Isolation valves may be purchased as an accessory from an authorized Noritz wholesaler. They allow for full diagnostic testing and easy flushing of the system. Contact Noritz America for more information.(866-766-7489)

« Procedure 2. Flushing the Heat Exchanger »

1. Open the Front Cover.
2. Connect the "blue connector\*\*\*\*\* for flushing" near the Circuit Board.



3. Then the code "CCC" is displayed on the Remote Controller.
4. Turn on the circulating pump to circulate the flushing solution through the water heater for 1 hour at a rate of 1.5 gallons per minute or more.
5. The code "C60" is displayed on the Remote Controller when the water heater detects the flow of the flushing solution.

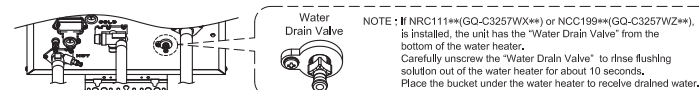


6. When 1 hour passes, the code "C00" is flashing on the Remote Controller. Do not disconnect the "blue connector for flushing".
7. Turn off the circulating pump.

« Procedure 3. Cleaning the Heat Exchanger »

The flushing solution needs to be rinsed and cleaned out of the water heater. Below is the way to rinse and clean the flushing solution.

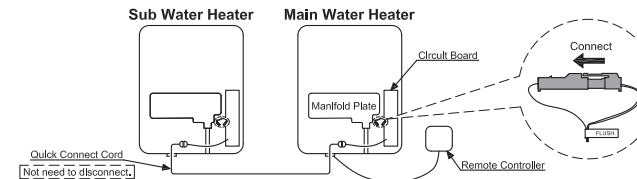
1. Remove both drain hoses (H2 and H3) from the bucket. And then place the drain hose (H3) into the sink or outside to drain.
2. Close the drain valve (V3) and then open the water inlet valve (V1). Do not open the fresh water outlet valve (V2).
3. Clean the water heater with fresh water for 3 minutes or more. (Needs to have enough time to clean the water heater.)



4. Close the drain valve (V4) and then remove the drain hose (H3) from the drain valve (V4).
5. Remove the drain hose (H1) from the drain valve (V3).
6. Disconnect the "blue connector for flushing" near the Circuit Board. The code "C00" goes out on the Remote Controller.
7. Close the Front Cover.
8. Open the gas supply valve and water outlet valve (V2).
9. Check for correct operation of the water heater.

In case of the "Quick Connect Multi System Procedure"

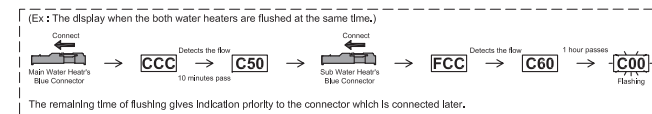
1. Connect the "blue connector for flushing" of need to be flushed. (The water heater is isolated from Quick Connect Multi system when the "blue connector for flushing" is connected. Not need to disconnect the Quick Connect Cord.)



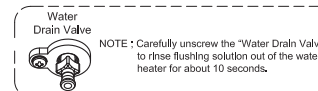
2. Then the code "CCC" or "FCC" is displayed on the Remote Controller.

CCC is displayed when the Main Water Heater's blue connector is connected.  
FCC is displayed when the Sub Water Heater's blue connector is connected.

2. Turn on the circulating pump to circulate the flushing solution through the water heater for 1 hour at a rate of 1.5 gallons per minute or more. (LED light is flashing while flushing the heat exchanger. See the "Procedure 2.5".)
3. When 1 hour passes, the code "C00" is flashing on the Remote Controller. Do not disconnect the "blue connector for flushing".



4. Turn off the circulation pump.
5. Rinse and clean the flushing solution out of the water heater in accordance with "Procedure 3". (See the "Procedure 3.1-3.5".)



6. Disconnect the "blue connector for flushing". The Code "C00" goes out on the Remote Controller.
7. Close the Front Cover.
8. Open the gas supply valve and water outlet valve.
9. Check for correct operation of the water heater.

See the Installation Manual in case of the "Multi System's Flushing Procedure".

Please contact Noritz America if more information is needed for flushing. (Phone #: 866-766-7489)