



"Owner's Manual and Installation Guide and Warranty Registration Card"

Model N-132

WARNING: If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

- -WHAT TO DO IF YOU SMELL GAS
- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

-Installation and service must be performed by a qualified installer, service agency or the gas supplier.

- Thank you for purchasing a Noritz Gas Water Heater. Before using this water heater, please:
- Read this manual to learn how to operate this water heater correctly.
- Make sure the date and location of purchase indicated on the warranty registration card is included separately.
- Keep this manual (and the warranty registration card) where it can easily be found whenever necessary.

NORITZ America Corporation





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IMPORTANT SAFETY INFORMATION -1

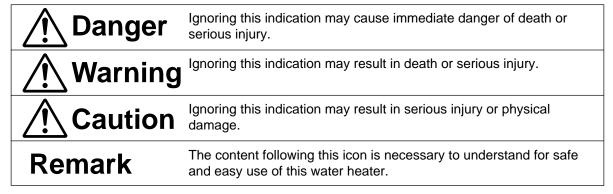
(Be sure to read and observe all safety information in this manual.)

To prevent damage to property and injury to the user, the icons shown below will be used to warn of varying levels of danger.

Every indication is critical to the safe operation of the water heater and must be understood and observed.

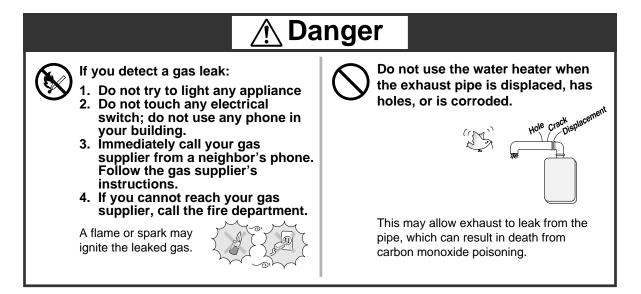
Potential dangers from accidents during installation and use are divided into the following three categories. Closely observe these warnings, they are critical to your safety.

Indications depending on the level of damage or injury

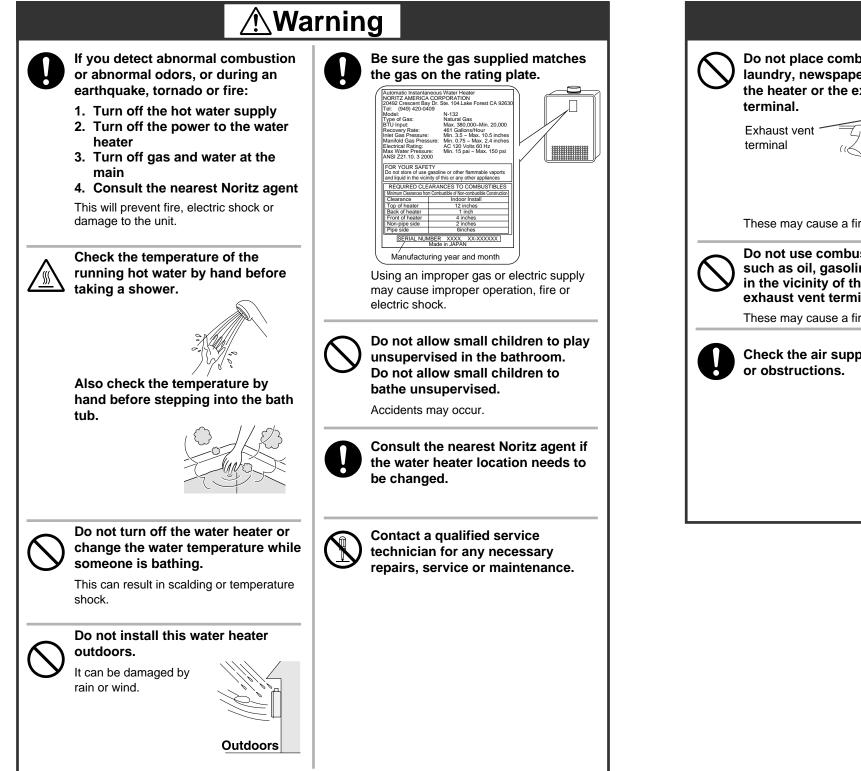


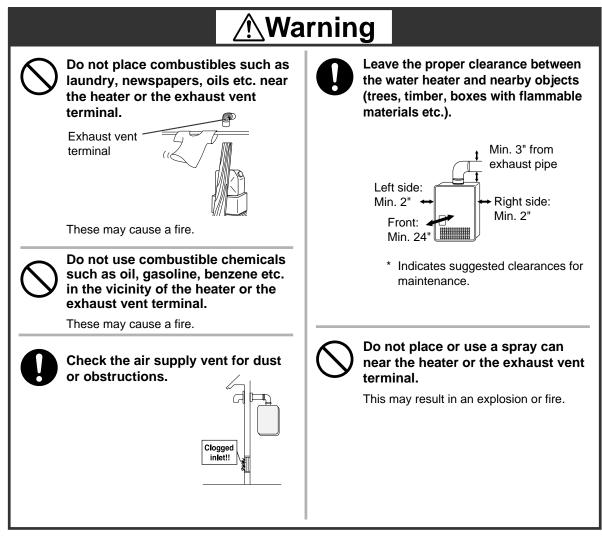
Other icons



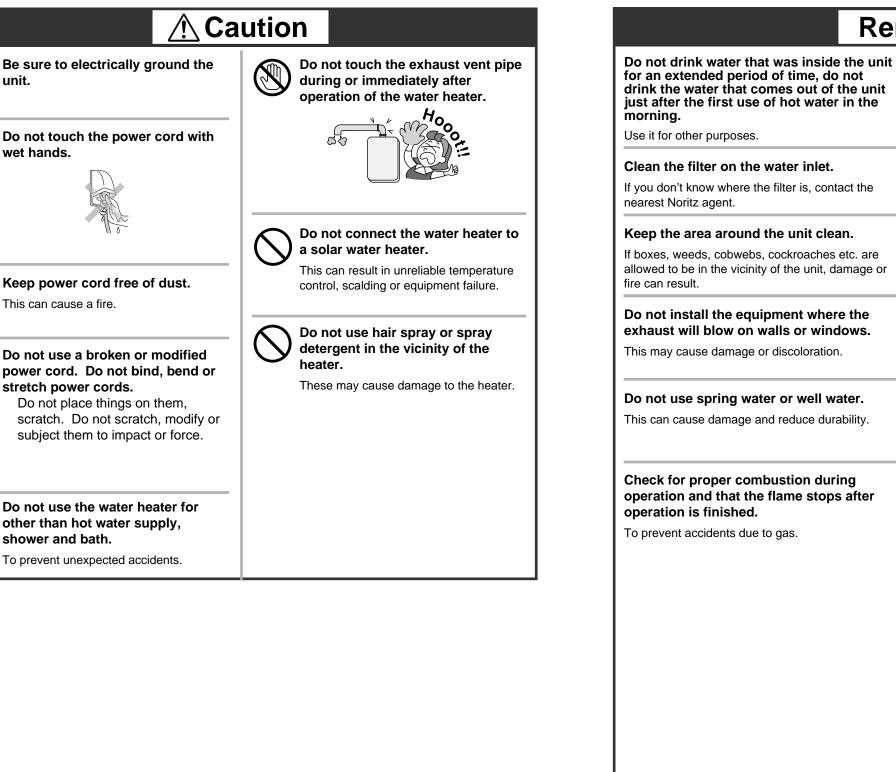


IMPORTANT SAFETY INFORMATION -2



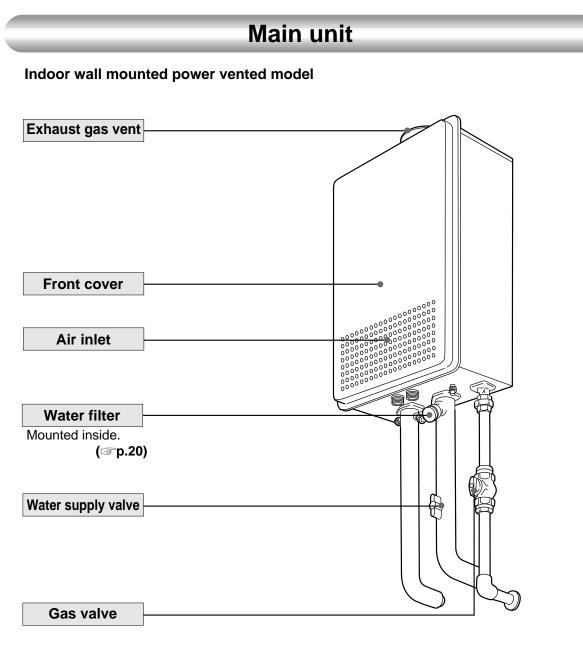


IMPORTANT SAFETY INFORMATION -3



Remark Do not disassemble the remote controller. This may cause damage to the heater or unexpected accidents. Do not use benzene, oil or fat detergents to clean the remote controller. This may cause deformation. Do not get the remote controller wet. Although it is waterproof, too much water can cause damage. Do not splash water on the remote controller. Do not expose the remote controller to steam. Do not locate the remote controller near stoves or ovens, this may cause damage or failure. Take measures to prevent the unit from freezing. (Sp.17) If water is allowed to freeze inside the unit, the unit may be damaged, and water can leak out of it. Take necessary measures to prevent freezing of water and leakage of gas when leaving the unit unused for long periods of time. (🖙 p.18) If it is snowing, check the air inlet, exhaust gas vent and exhaust vent terminal for blockage. This can result in improper function or damage to the unit. Do not use parts other than those specified for this equipment.

Name and Functions of Components

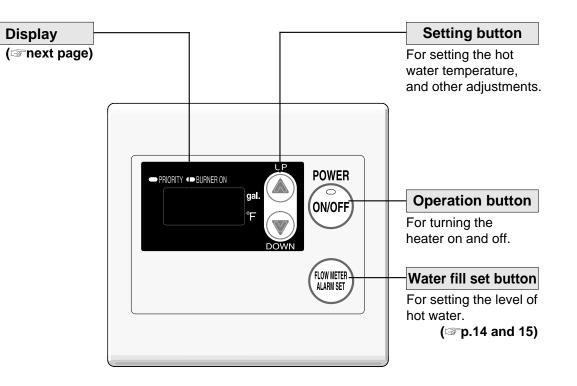


* The above illustration shows an example of installation.

The shape of the piping, and the location of the water main, gas main and power cord will depend on the specific installation.

Operation (Remote Controller)

Main remote controller (RC-7646M)

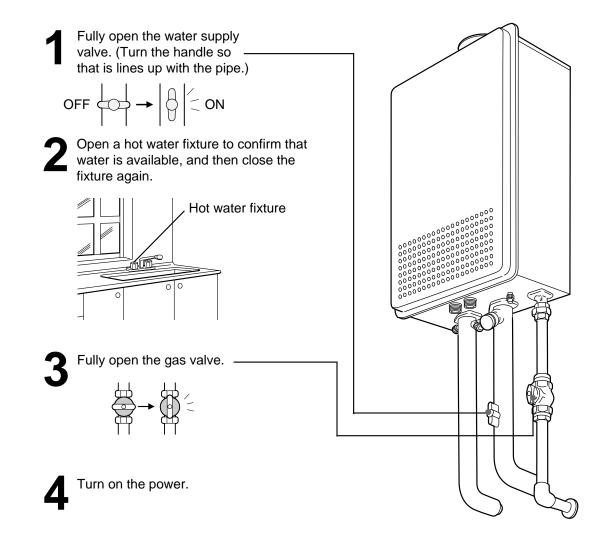


* Before use, remove the protective sheet from the remote controller surface.

Initial Operation

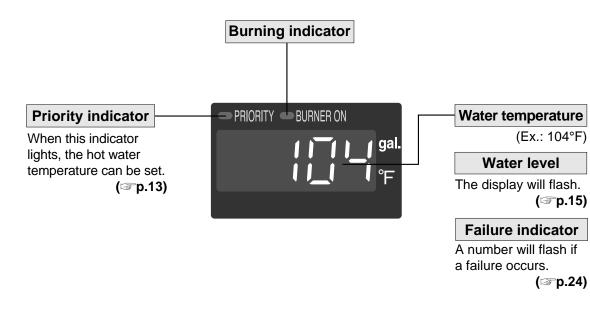
Before the first use of your water heater, the following preparations and checks are necessary.

Follow steps 1 through 4.

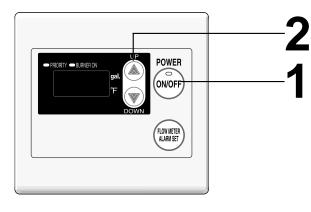


Display

The illustration below shows the remote controller display. What is actually displayed depends on how the water heater is set.



How to use Running /Adjusting Hot Water

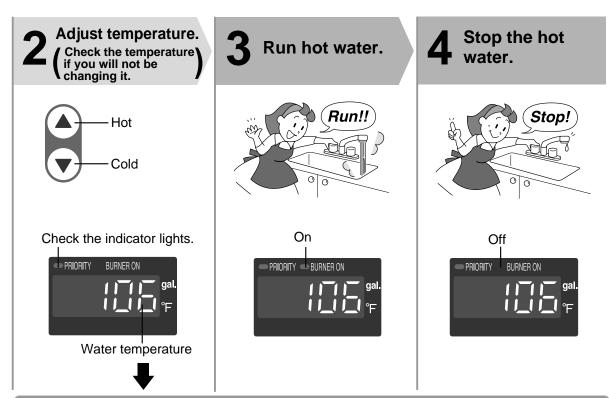


<With Operation button Off>

Press the
Operation button.
ON/OF5
On



Previously set temperature (Ex.: 104°F)



°F	The fig necess	ures sh ary dej	iown be	elow ar	e just e Jsage,	example the len	es. The gth of p	e actua biping a	l tempe nd the	erature seasor	setting 1.)	
99	100	102	104	106	108	109	111	113	115	117	118	140	167
Wash dishe	ing s, etc.		ver, ho	ot wate	er sup	ply,	н	ot wat	er sup	ply, e	tc.	High tempe	erature
			*Ini	tial s	ettin	g (fa	ctory	setti	ng at	t ship	mer	nt)=1	04°F
the	ron	noto	con	trolle			ft co	t at	1679			et tir	no it

using a mixing valve, set the water emperature on the remote control pproximately 18°F higher than sual.

If the remote controller was left set at 167°F the last time it was used, the setting will drop to 140°F as a safety precaution.

Caution To prevent scalding:

Temperature above 125 degree can scald.

- Check the water temperature by hand before bathing or showering.
- When you set the temperature to 140°F or 167°F, the display will flash for 10 seconds to remind you that this is a high temperature.
- Be careful the next time you use the heater after setting it at 140°F or 167°F. Check the temperature setting before using.
- Do not allow anyone to change the water temperature while hot water is running.



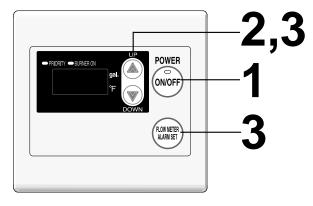
<Remote controller display>



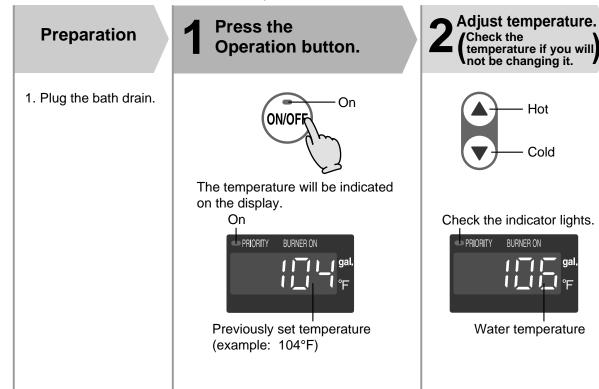
Flash for 10 sec → light up

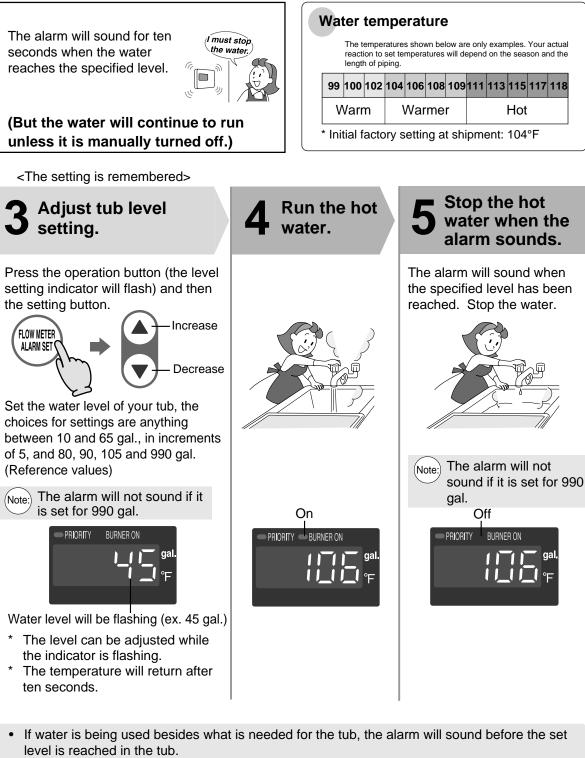






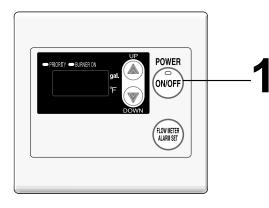
<With the operation button off>





- If there was water remaining in the tub, or if the water is not manually turned off after the buzzer sounds, the tub may overflow.
- If there was water remaining in the tub, the temperature after the tub is filled the rest of the way will be less than the set temperature.

How to use **Muting the Sound of the Remote Controller**



When any button on the remote controller is pushed, a sound is emitted. This sound can be muted if you desire.

Prevention of damage caused by freezing in cold temperatures

The heater and piping can be damaged if cold temperatures cause water to freeze inside the unit. The damage can be prevented with the following method:

Normal cold [outside temperatures more than 5°F with no wind]

At these temperatures, the units have freeze prevention heaters that will prevent freezing.

- Do not disconnect the power. The freeze prevention heaters will not work if the power is disconnected.
- The freeze prevention will work regardless of whether the operation button on the remote controller has been turned on.

When the temperature drops, the freeze-prevention heaters are automatically activated to keep the unit warm and prevent it from freezing.

The freeze prevention heaters will not prevent the plumbing external to the unit from freezing. Protect this plumbing with insulation or an electric heater. If you are still worried that your heater will freeze, contact the nearest Noritz agent.

outside temperature including wind chill For severely cold temperatures less than 5°F

Run water to prevent freezing.

- 1. Push the operation button and confirm Hot water fixture that the operation light comes on.
- 2. Close the gas supply valve.
- 3. Open a hot water fixture and let it run for approx. 1 minute, and then check that the number 11 is flashing on the
 - * It is possible that a different number may be displayed on the remote controller, but as long as it is flashing, vou mav continue.
- 4. Open a hot water fixture, and keep a small amount of hot water running. (.1 gal./minute or about .2" thick.)
- * If there is a mixing valve, set it to the highest level.
- 5. The flow may become unstable from time to time. Check the flow 30 minutes later.

- This method can be applied not only to the heater, but also to the water supply, water piping and a mixing valve.
- Remember that if the mixing valve is set to the maximum level, there is a risk of scalding.
- If freezing still might occur. drain the water from the unit following the steps on p.18.
- remote controller display.



If water will not flow because it is frozen

- 1. Close the gas and water valves.
- 2. Turn off the operation button.
- 3. Open the water supply valve from time to time to check whether water is running.
- 4. When the water is flowing again, check for water leaks from the equipment and piping, or follow steps 1 through 4 on p.11 ("Initial Operation").

• If the heater or the piping is frozen, do not use the heater, or it may get damaged.

Repairs for damage caused by freezing is not covered by the warranty.

¹No sound¹ ON/OF ON/OF

Mute

With the remote controller off, press and hold the operation button for five

seconds to turn the sound on or off.

Sound

After approx.

5 sec.

sounds.

Water level alarm cannot be muted.

If the water heater will not be used for a long period of time

Drain the water as follows:



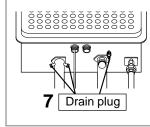
To avoid burns, wait until the equipment cools down before draining the water. The appliance remains hot after it is turned off.

Provide a pan or bucket for drainage to prevent water damage.

- **1** Turn on the operation button, and check that the light comes on.
- 2 Close the gas valve.
 - Ŭ. ₿→₿≦
- **3** Open a hot water fixture, and keep it open for approximately 1 minute until the number 11 is flashing on the remote display.
- * It is possible that another number may displayed on the remote controller, but as long as the number is flashing, you may continue.
- **4** Close the water supply valve. $|\beta| \rightarrow \{\alpha\}$
- **5** Keep the operation switch on and disconnect the power. **Do not touch with wet hands.**
- 6 Fully open all hot water fixtures.



- **7** Remove inlet and outlet drain plugs. (0.66 to 0.88 gal. will drain out of the unit.)
- **8** When the water is completely drained, replace all drain plugs and close the hot water fixtures.



This method cannot prevent the water supply, hot water piping and water supply valve from freezing.

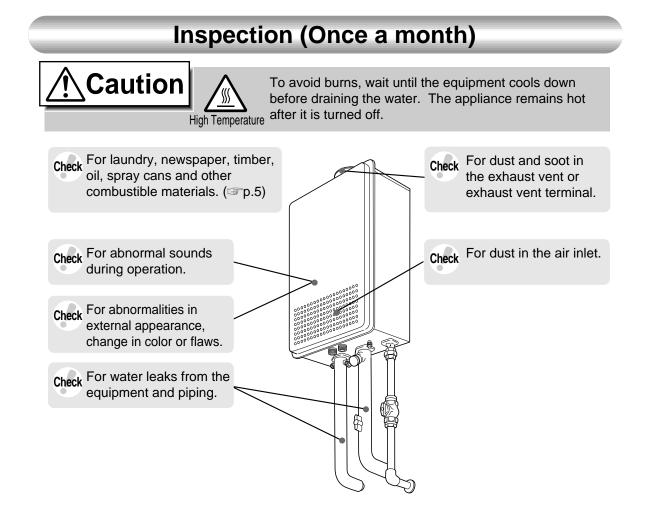
Be sure to protect them with insulation or an electric heater.

(If you are still worried the unit will freeze, consult the nearest Noritz agent.)

To turn the unit back on

- 1. Check that all drain plugs are inserted.
- 2. Check that all hot water fixtures are closed.
- 3. Follow the procedure on p.11 "Initial operation".

Regular Maintenance



Maintenance (once a month)

Equipment

Wipe the outside surface with a wet cloth, then dry the surface. Use a neutral detergent to clean any stains.

Remote controller

Wipe the surface with a wet cloth.

- Do not use benzene, oil or fatty detergent to clean the remote controller. Deformation may occur.
- The remote controller is waterproof, but it should be kept dry as much as possible.

Troubleshooting-1

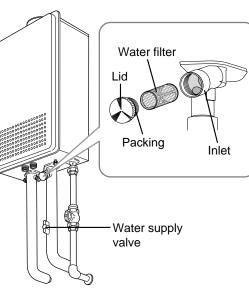
flow rates.

Maintenance (once a month)

Water filter

If the water filter is covered with debris, the hot water will not run smoothly, or cold water may come out. Clean the filter as explained below.

- * To avoid burns, wait until the equipment cools down before draining the water. The appliance remains hot after it is turned off.
- 1. Close the water supply valve.
- 2. Open all hot water fixtures.
- 3. Take the water filter out of the inlet. (see illustration on right).
 * Water will drain out.
- 4. Clean the filter with a brush under running water.
- 5. Replace the filter and screw the drain plug closed. (Take care not to lose the packing.)
- 6. Close all hot water fixtures.
- 7. Open the water supply valve and check that water is not leaking from the drain plug.



	Temperature
Hot water is not available when the hot water fixture is opened.	 Are the gas and water supply valves fully open? Is the water supply cut off? Is the hot water fixture sufficiently open? Is the heater frozen? Is the gas meter working? (For LP) Is there enough gas in the tank? Is the operation button turned on? Have you allowed enough time for the cold water in the pipes to drain out?
Hot water is not available at low temperatures.	 Are the gas and water supply valves fully open? Is the water temperature setting appropriate (\$\$\overline\$p.12 and p.13)? If the supply water is at a high temperature, you may need to increase the flow rate through the heater to get a low temperature out of it.
Hot water is not available at high temperatures.	 Are the gas and water supply valves fully open? Is the water temperature setting appropriate (\$\$\sigma\$p.12 and p.13)?
Cold water comes out when the fixture is barely opened. Only cold water is available at low	• The heater stops burning when the flow of hot water becomes less than 0.75 GPM. Open the hot water fixture more, and the water temperature will stabilize.

Temperature

Troubleshooting-2

Α		
The pressure at a certain fixture is not constant.	 When hot water is demanded at other fixtures, the amount available may be reduced. Pressure fluctuations and other plumbing conditions can cause the temperature and pressure at a fixture to be unstable, but it should stabilize after a short time. To keep the temperature stable, the heater limits the amount of water that can flow through it to a small amount initially, but the amount increases over time. 	The fan can b operation is s The fan can b very cold outs

Sound

The fan can be heard after operation is stopped.

The fan can be heard when it is very cold outside.

- The fan runs for a while to accelerate ignition after the operation button is turned on.
- The fan may run to prevent freezing.

	Other
The Heater stops burning during operation.	 Are the gas and water supply valves fully open? Is the water supply cut off? Is the hot water fixture sufficiently open? Is the gas meter working? (For LP) Is there enough gas in the tank?
White smoke comes out of the exhaust vent on a cold day.	This is normal on cold days.
The hot water becomes turbid.	• This is harmless. Small bubbles appear as the air in the water is heated and depressurized rapidly to atmospheric pressure. It is similar to the bubbles in beer or carbonated beverages.
Water leaks from the drain plugs on the outlet.	 When the main unit is highly pressurized, water will leak from the drain plugs as a safety so that the unit is not damaged by the high pressure. These plugs are pressure relief valves. If water is leaking out of them, excessive pressure is being supplied to the unit.

Has there been a power failure?Is the power connected properly?
• The time on the controller may need to be reset after a power failure or after the power has been disconnected. Also, the hot water temperature indicator, and tub level alarm may have been reset.
• The liquid crystal display may become unstable when the remote controller is cleaned with a dry cloth (Leave it for 30 minutes and it will return to normal).

Remote controller

Troubleshooting-3

Check for error code on the remote controller

If there is a problem with the unit, a numerical error code will flash on the remote controller. If this occurs, take appropriate measures as listed below.

Ex. When an error code appears, the display and the operation light will flash together.



<Main remote controller>

Indication	Cause	Action
11	Ignition error	Check whether the gas valve is open. Turn off the operation button, open a hot water fixture, and turn on the operation button again. If the problem is solved, the flashing number will disappear.
21	Insufficient air supply, exhaust blockage	 (If the alarm doesn't sound) Open a door or window to let air in. Close the hot water fixtures. Turn off the operation button. If the abnormality is corrected, the flashing number will disappear when the operation button is turned on again. * If there is a range hood or kitchen fan in the room, turn them down. (If the alarm sounds) Turn off the operation button to stop the alarm. Open a window to let in air. This heater has an abnormality. Contact the nearest Noritz agent.
99	Abnormal combustion	Contact the nearest Noritz agent.

— Contact our sales agent if:

- Any other flashing number appears.
- An error code is indicated again after the above actions were followed.
- You have any other questions.

Follow-up service

Requesting service

First follow the instructions in the troubleshooting section (p.21 to p.24). If the error is not corrected, contact our sales agent.

We will need to know: The Model (check the rating plate) *See p.4 for the location of the label Date of purchase ... (see the warranty) Details of error (flashing error codes) Your name, address, and telephone number Desired date of visit



* It should be noted that a request for service may be rejected if the water heater is installed in a location where working on the unit may be dangerous. If so, you will have to consult a plumber to remove the unit and bring it to a safe location.

Warranty

A warranty registration card is included separately. Be sure that the shop name, date of purchase and other necessary items are filled in. Read the content carefully, and keep the warranty card in a safe place.

For repairs after the warranty period, there will be a charge on any service, and service will only be performed if the unit is deemed repairable.

Minimum period of time for stocking repair parts

Noritz will stock repair parts for this unit for a minimum of seven years after production has ceased.

These are the parts necessary to repair or maintain this unit.

Reinstallation

If you want to reinstall the appliance at a different location, confirm that the gas and power supply indicated on the rating plate are available at the new location. If you are not sure, consult the local utility company.

If you move to a region that uses a different type of gas, conversion and adjustment of the appliance will be necessary. This work will be charged for even during the warranty period.

Specifications

Specifications may be changed without prior notice.
The capacity may differ slightly, depending on the water pressure, water supply, piping conditions, and water temperature.

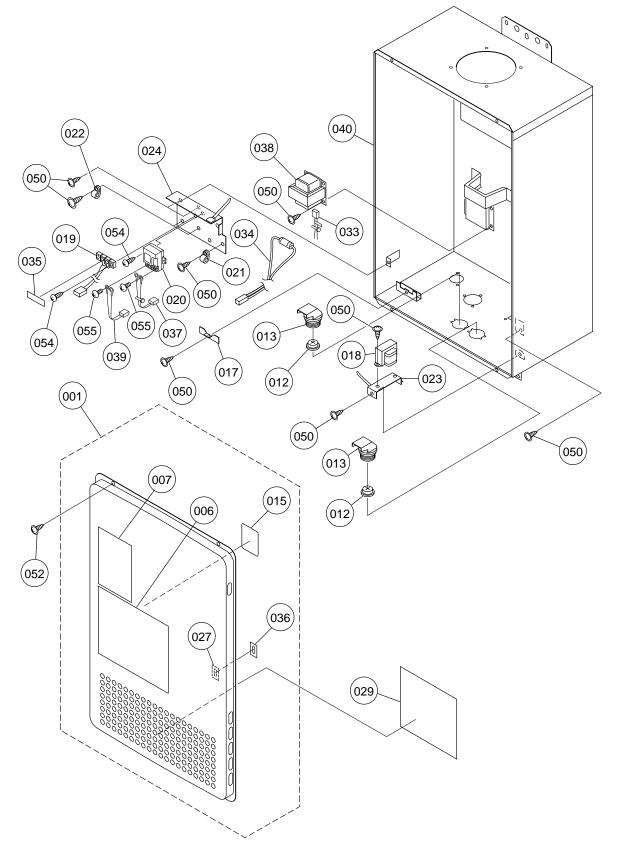
Specifications

Item		Specification			
Model Name		N-132			
Туре	Installation	Indoor, Wall Hanging			
	Air Supply/Exhaust	Power Vented			
Ignition		Direct Ignition			
Operating Pressure		15-150 PSI			
Minimum Flow Rate		0.75 GPM			
Dimensions		29.5"(Height) x 18.9"(Width) x 11.8"(Depth)			
Weight		108 lbs.			
Water Holding Capacity		0.8 Gallon			
Connection Sizes	Water Inlet	1"			
	Hot Water Outlet	1"			
	Gas Inlet	3/4"			
Power Supply	Supply	120 VAC (60Hz)			
	Consumption	NG:140W, LP:135W, Freeze Prevention 355W			
Materials	Casing	Zincified Steel Plate/Acryl Coating			
	Flue Collar	Stainless Steel			
	Heat Exchanger	Copper Sheeting, Copper Tubing			
Safety Devices		Flame Rod, Thermal Fuse, Pressure Relief Valve,			
		Wind Pressure Switch, Lightning Protection Device			
		(ZNR), Electric Leakage Prevention Device, Overheat			
		Prevention Device, Freezing Prevention Device, Fan			
		Rotation Detector			
Accessories		Temperature Control Panel, Exhaust Adapter,			
		Anchoring Screws			

Performance table

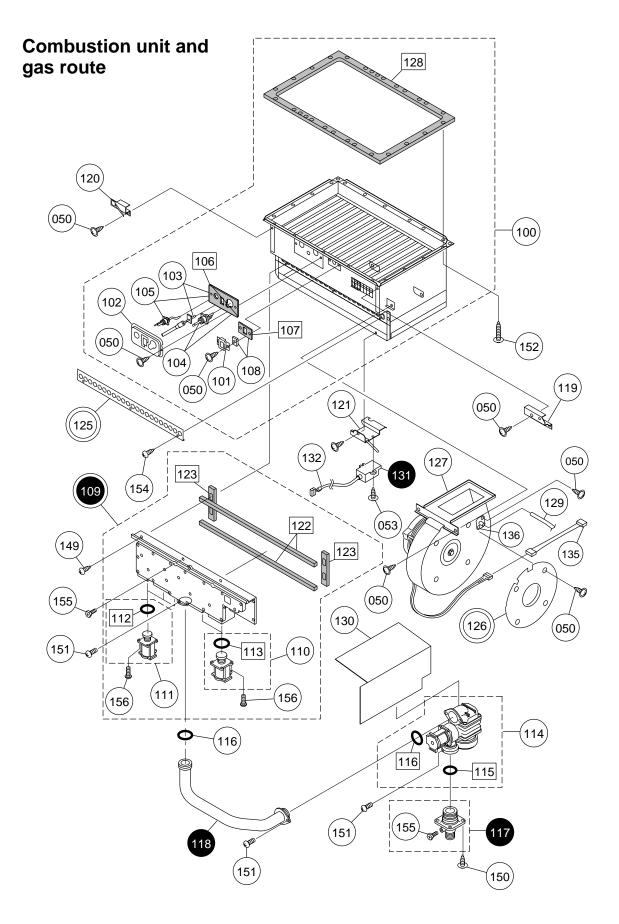
Item		Maximum Performance Minimum Performance
Gas	NG	380,000 btuh 20,000 btuh
Consumption	LP	380,000 btuh 20,000 btuh
Hot Water	45°F Rise	13.2 Gal./min.
Capacity	72°F Rise	8.3 Gal./min.
Capacity Range		0.75-13.2 Gal./min.
Temperature Settings		99-118,140,167°F(14 Options)
Default Temperature C	ptions	108,113,140,167°F(Original is 108°F)

External outfitting



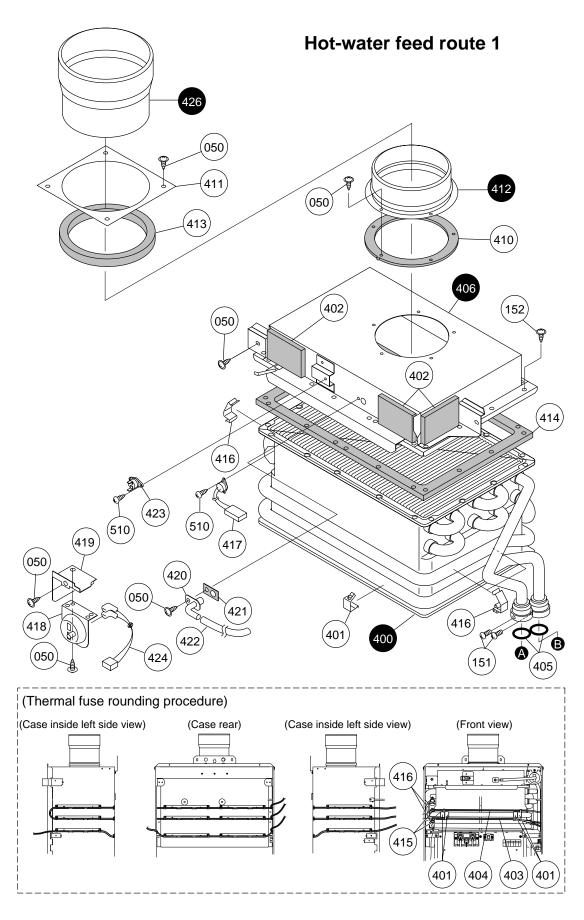
External outfitting

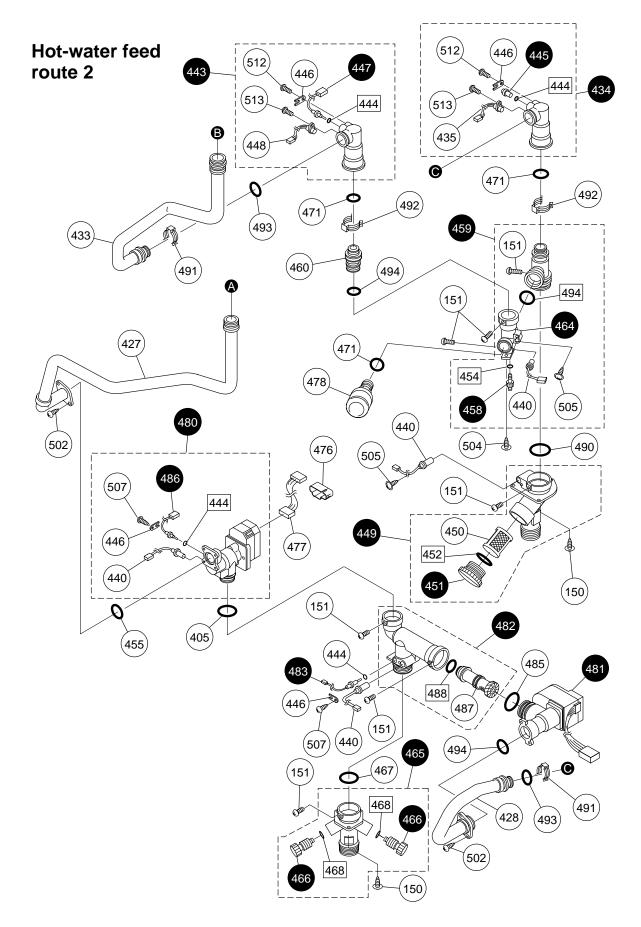
001 Front set AS SBD7537 006 Caution label 1 EAU EAUK003 007 Caution label 2 EAU EAUK004 013 Wiring coupling C2L C2LA010 015 Plug insulating sheet CRU CRUK002 017 Heater mounting plate 2 DEK DEKA017 018 Reactor DMA DMA.0015 020 Short circuit sately device HMA DMAA015 021 Nylon clamp HP-2N (NK-2N) 7144105 022 Nylon clamp HP-2N (NK-2N) 7144105 023 Reactor mounting plate DMA DMAA019 024 Short circuit sately device mounting plate DMA DMAA019 025 Connection diagram label EAU EAUL001 026 Connection caution label EAU EAUL018 033 Conduit 92-100 V EAU EAUL018 034 Heater 3W EAV EAUL011 035 Cross recessed round-head collar N-tapping screw 4X8 EAUL011 036 Corss recessed round-head machine screw W2.3X8 EAUL011 046 Cross recessed round-head collar N-tapping screw 4X12 Cross recessed round-head machine screw 051 Cross recessed round-head machine screw W2.3X8 EAUL011 052 Cross recessed round-head collar N-tapping screw 4X12 C	Part Nos.	Part Names	Order Nos.	Q'ty/unit
007Caution label 2 EAUEAUK004012Grommet CXPCXPA026013Wiring coupling CZLCZLA010015Plug insulating sheet CRUCRUK002017Heater mounting plate 2 DEKDEKA017018Reactor DMADMAJ015019Conduit 90-2 CCPCCPJ028020Short circuit safety device HMAHMAH001021Nylon clamp HP-2N (NK-2N)7144105022Nylon clamp HP-4N (NK-4N)7287909023Reactor mounting plate DMADMAA019024Short circuit safety device mounting plate DMADMAA019025Connection diagram label EAUEAUK002033Conduit 92-120 V EAUEAUK002034Heater 3W EAVEAUK005035Connection caution label EAUEAUK005036Lamp seal plate DECDECK008037Power supply relay cord EAUEAUJ011038Transformer EAUEAUJ017040Case EAUEAUJ017050Cross recessed round-head collar N-tapping screw 4X8EAUJ017051Cross recessed round-head machine screw M2.3X8EAUJ017054Cross recessed round-head N-tapping screw 4X12EAUK02	001	Front set AS	SBD7537	1
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Combustion unit and gas route

		Order Nos.	Q'ty/unit
100	Combustion tube SET DUV SET-V	SBC7549	1
101	Window glass holding plate AAA	AAAC027	1
102	Plug fixing plate (for N) DLK	DLKC009	1
103	Burner sensor DLK SET-V	SBA7505	1
104	Ignition plug Q(N) SET-V	SBA7504	1
105	Frame rod DLK SET-V	SBA7506	1
106	Plug packing (for N) DLK	DLKL012	1
107	Window glass packing CRU	CRUL005	1
107	Window glass A packing CRU set V	SAQ7345	1
	Front pipe set17 DMA set AS		
109		SBA7535	1
	Front pipe set 24 DMA set AS	SBA7534	1
110	Solenoid S24L CRU-1 set V	SBB7173	2
111	Solenoid S16L CRU set V	SBB7213	3
112	O-ring JASO 2030 type 1	SAA6044	3
113	O-ring JASO 2037 type 1 A	SAA6476	2
114	Gas mech. S24DQ CRP set V	SAQ7708	1
115	O-ring JASO 2028A	8590109	1
116	O-ring P25.5	SAB1512	2
117	Gas fitting 20A set EAU	EAUE001	1
118	Gas pipe DMA	DMAE052	1
119	Burner case fixing plate, right DMA	DMAA021	
120	Burner case fixing plate, left DMA	DMAA021 DMAA022	1
120	Igniter mounting plate DMA	DMAA022 DMAA016	1
122	Front pipe seal packing L DMA	DMAL018	2
123	Front pipe seal packing S DMA	DMAL019	2
125	Main damper 8 DMA	DMAC032	1
	Main damper 9 DMA	DMAC033	1
126	Bell-mouse o56 CKB	CKBF021	1
	Bell-mouse o52 CKB	CKBF023	1
127	Fan motor DMB	DMBF030	1
128	Suction air joint packing DMA	DMAL001	1
129	Silicone tube ID6XT2X650 BVH	BVHF007	1
130	Gas mech. cover DMA	DMAA025	1
131	Igniter DRP	CRPJ002	1
132	High-voltage cord L370 ALS	ALSJ071	1
135	Conduit 27 DMA	DMAJ013	1
136	Pressure reducing pipe DMB	DMBF032	1
149	Cross recessed round-head type 3 EVERTIGHT tapping screw 5X16		
150	Cross recessed round-head type 3 EVERTIGHT collar tapping screw 4X12		
151	Cross recessed round-head machine screw M4X8		
152	Cross recessed round-head collar N-tapping screw 4X10		
154	Cross recessed round-head N- tapping screw 4X8		
155	Cross recessed hexagon head machine screw M4X8		
156	Cross recessed round-head SPAK machine screw guide M4X12		



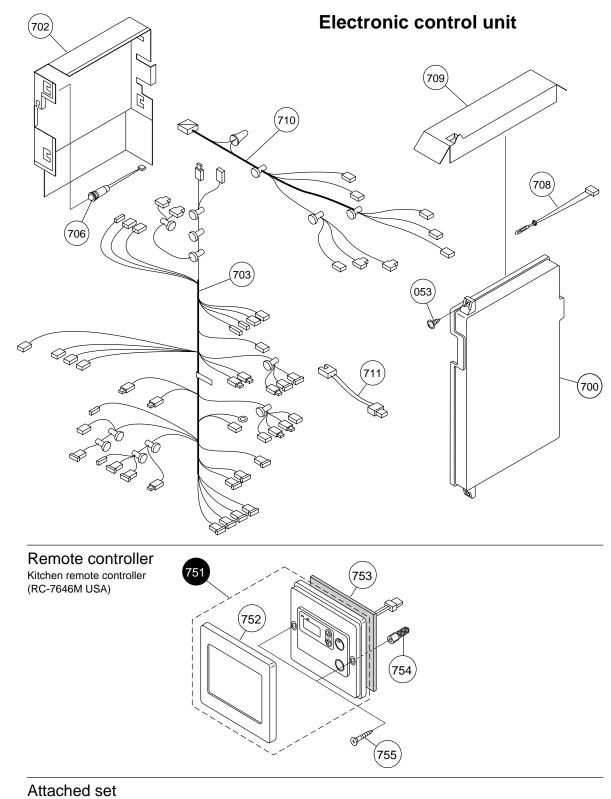


Hot-water feed route 1/Hot-water feed route 2

Part Nos.	Part Names	Order Nos.	Q'ty/unit
400	Piping base DMA	DMAB001	1
401	Thermal fuse fastener DMA	DMAH002	4
402	Collective lamp heat insulator DMB	DMBL004	3
403	Thermal fuse DFE 1 set V	SBA7650	1
404	Thermal fuse DMA set V	SBA7536	1
405	O-ring P20C	3059502	3
406	Collective lamp set DMB	DMBF001	1
410	Exhaust cylinder packing DMB	DMBL002	1
411	Case top cover DMB	DMBA006	1
412	Exhaust cylinder set DMB	DMBF002	1
413	Top cover packing DMB	DMBL001	1
414	Exhaust joint packing DMA	DMAL002	1
415	Freeze preventive heater Q CRP	CRPH003	3
416	Heater fastener DMA	DMAH003	6
417	High limit 105 BCS	BCSH003	1
418	FFL wind pressure switch	1735705	1
419	Wind pressure switch mounting plate DMB	DMBA010	1
420	Pressure reducing pipe DGG	DGGF011 CPLF029	1
421	Pressure reducing pipe packing CPL		-
422 423	Silicone tube ID6XT2X220DMB F-point thermostat BHV	DMBF020 BHVH002	1 1
423 424	Wind pressure switch relay cord EAW	EAWJ005	1
424	Exhaust adapter EAU	EAUF001	1
427	Hot-water feed pipe DMA	DMAD024	1
428	Bypass pipe EAV	EAVD003	1
433	Water receiving pipe EAV	EAVD003 EAVD001	1
434	Water level sensor set 1 DUV	DUVD017	1
435	Magnetic sensor input BWC	BWCD093	1
440	Freeze preventive heater 3 BGD	BGDH002	4
443	Water level sensor set 3 DUV	DUVD019	1
444	O-ring P4C	1323709	4
445	Shut-off cock AXG	AXGD089	1
446	Thermistor holding plate ALS	ALSD088	4
447	Water inlet thermostat 300 BWC	BWCD097	1
448	Hot-water feed magnetic sensor BWC	BWCD090	1
449	Water inlet fitting 25ASET EAU	EAUD001	1
450	Water inlet filter CCP	CCPD031	1
451 452	Water inlet fitting cover DMA	DMAD037 SAB4190	1
	O-ring JASO 2030 type 4 C		
454 455	7-I/ Hot-water resistant O-ring P3 Water packing BJV	SAD6633 BJVD024	1 1
458	Drain cock CRU	CRUD003	1
459	Drain branching fitting SET EAV	EAVD011	1
460	Water inlet coupling DJP	DJPD012	1
464	Drain coupling DMA	DMAD009	1
465	Hot-water outlet fitting 25A set EAU	EAUD003	1
466	QMF safety valve A(S)	SAA2811	2
467	O-ring P24C	1322109	1
468	Hot-water resistant O-ring P9	SAD6635	2
471	O-ring P16C	3223302	3
476	Drip-proof cover CZL	CZLD041	1
477	Conduit 86 DMA	DMAJ007	1
478 480	Accumulator set DLW Water level servo set 1 DMA set AS	DLWD001	1
		SBC7551	1
481	Water level servo set 2 DMA set AS	SBC7552 DMAD014	1
482	Mixing pipe set DMA Hot-water outlet thermostat 300 BWC	BWCD096	1
483			
483 485	O-ring JASO 2026 type 4 C	SAA6483	1

Hot-water feed route 1/Hot-water feed route 2

Part Nos.	Part Names	Order Nos.	Q'ty/unit
487	Mixing cylinder DMA	DMAD016	1
488	O-ring P18C	2308401	1
490	O-ring P28C	1155105	1
491	Quick fastener 12.7	6340202	2
492	Quick fastener 16A	6340300	2
493	O-ring P12.5C	3359808	2
494	O-ring P22	7573308	3
502	Cross recessed round-head type 3 S TIGHT tapping screw 4X12		
504	Cross recessed type 3 PW truss tapping screw 4X12		
505	Cross recessed round-head type 3 S TIGHT collar tapping screw 4X8		
507	Cross recessed round-head type 3 S TIGHT tapping screw 4X8		
510	Cross recessed round-head type 3 N tapping screw 4X6		
512 513	Cross recessed round-head P TIGHT screw 4X14 Cross recessed P TIGHT truss screw 4X10		



801) OTTOTA

<Special part>

Special part	Special part no.	
Instruction manual	888	

Electronic controller, remote controller and attached set

Part Nos.	Part Names	Order Nos.	Q'ty/unit
700	Relay case DUV-A SET-AS	SHA7380	1
702	Relay case cover DMA	DMAA028	1
703	Harness set America EAU	EAUJ012	1
706	Lamp cable conduit CRP	CRPJ014	1
708	F-point thermostat 300 BWC	BWCH003	1
709	Relay case raintight cover DMA	DMAA026	1
710	Conduit R10 EAU	EAUJ020	1
711	Conduit 46 EAU	EAUJ019	1
751	RC-7646M body USA QME	QMEJ001	1
752	Remote controller dressed frame body QHU	QHUA013	1
753	Wall packing QHU	QHUA115	1
754	Oar plug 6X25		
755	Cross recessed round wood screw 4.1X25		
800	GQ-5011WZ-F America packing set V	SBD7538	1
801	Cross recessed round-head type 1 tapping screw 5X35		
888	Instruction manual GQ5011WZ-F America	SAQ8593	1
	1		1

Installation Guide NORITZ AMERICA CORPORATION

GAS WATER HEATER

N-132 (Indoor installation)

WARNING: If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.

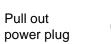
Injuries and damage due to accidents during installation are divided into the following categories. Closely observe indications of these three categories. It is critical to your safety.

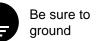
 Danger
 Ignoring this indication may cause an immediate danger of death or serious injury due to incorrect handling of the water heater.

 Naming
 Ignoring this indication may result in death or serious injury due to incorrect handling of the water heater.

Andling of the water heater. Caution Ignoring this indication may result in serious injury or physical damage due to incorrect handling of the water heater.

General Prohibition





Be sure to do

- In order to use the water heater safely, read this installation manual carefully, and follow the installation instructions.
- Failures and damage caused by erroneous work or work not as instructed in this manual are not covered by the warranty.

• Check that the installation was done properly in accordance with this Installation Guide upon completion of the installation work.

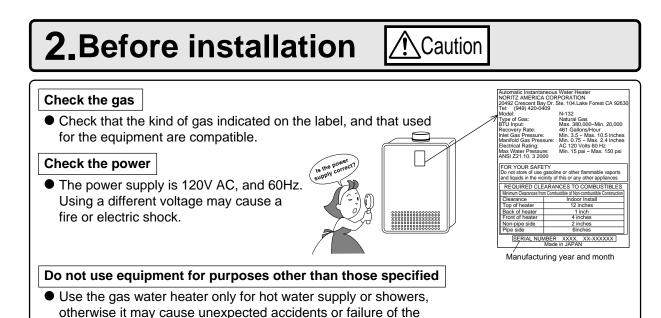
 Please put your information on the warranty card in the operation manual and give it to the customer when installation is completed.

Installation must conform with local codes, or in the absence of local codes, the National Fuel Gas Code, ANSI Z223.1/NFPA 54.

1.Included accessories

The accessories listed below are contained in the package. Check these accessories before installation.

Part name	Shape	Q'ty	Part name	Shape	Q'ty
Tapping screw ø5 x 35		5	Operation Manual (with a warranty)/ Installation Manual		1
Remote controller (see page 48)		5			



Check Ground water and well water

• Check the quality of water thoroughly if it is necessary to use ground water or well water. The equipment may corrode depending on the quality.

Do not connect to solar water heaters

- Do not connect the water heater to solar water heaters. When the water temperature rises in summer, it becomes uncontrollable. If water is supplied at extremely high temperature, it may cause burns or failure of the equipment.
- * If desired use a water mixing valve to keep the temperature down and present burns.

Replacement

equipment.

* Check the fixing brackets and exhaust vent yearly to make sure they do not to be replaced. Do not install it outside or in a bathroom or other occupied room Installation in an improper location may cause failures or fire.

3.Choosing installation site

* Locate the appliance in an area where leakage from the unit or connections will not result in damage to the area adjacent to the appliance or to the lower floors of the structure. When such locations cannot be avoided, it is recommended that a suitable drain pan, adequately drained, be installed under the appliance. The pan must not restrict combustion air flow.

Caution

- N-132 is an indoor type water heater. Do not install it outside or in a bathroom or other occupied room. Installation in an improper location may cause failures or fire.
- Install the water heater in a location where it is free from obstacles around the equipment and air is not stagnant in order to prevent incomplete combustion.
- Do not install the water heater near staircases or emergency exit.
- Avoid places where fires are common, such as those where gasoline, benzene and adhesives are handled, or places in which corrosive gases (ammonia, chlorine, sulfur, ethylene compounds, acids) are present.

Installation in an improper location may cause failures or fires.

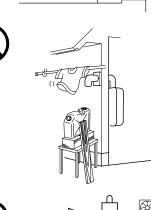
- Install the exhaust vent so that obstacles will not be placed around the end of the pipe, and exhaust gas will not stagnate.
- Do not install the water heater where the exhaust gas blows on outer walls or material not resistant to heat. Also consider the surrounding trees and animals.

The heat and moisture from the water heater may cause discoloration of walls and resinous materials, or corrosion of aluminum materials.

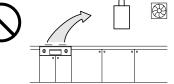
- Avoid installation above gas ranges or stoves.
- Avoid installation between the kitchen fan and stove. If oily fumes or a large amount of steam occur in the installation location, take measures to prevent the fumes and steam from entering in the equipment.
- Avoid installation in dusty places where sand or dust accumulate.

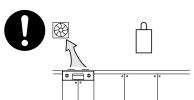
These environments will decrease the performance of the fan, causing incomplete combustion.

- Determine a location of installation where the flow of exhaust gas is not affected by the outlet of the fan or range hood.
- Take care that noise and exhaust gas will not affect neighbors.
- Make sure that the location allows installation of the exhaust vent as specified.
- Avoid installation at places where special chemical agents (e.g., hair spray or spray detergent) are used.
 - This may cause incomplete connections or failures.



Dutdoors



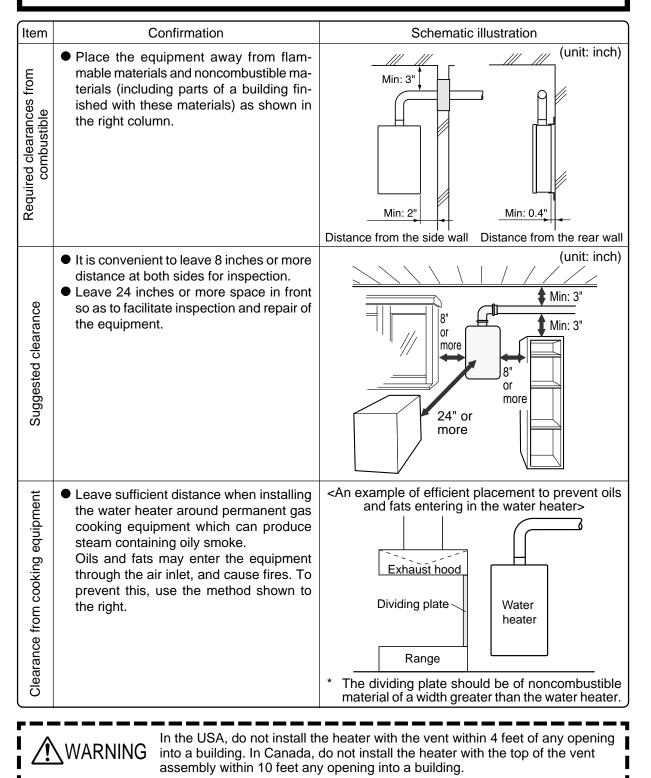




4.Installation clearances ACaution

Before starting installation, check the following =

Install is accordance with relevant building and mechanical codes ,as well as any local state or national regulation.

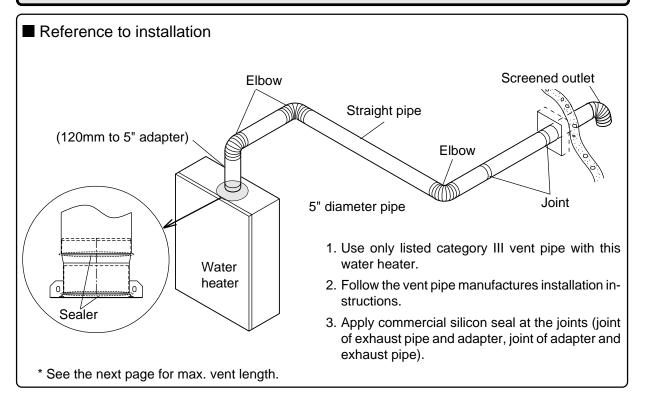


5.Installation

Securing to the wall

Installation must conform with local codes, or in the absence of local codes, the National Fuel Gas Code, ANSI Z223.1/NFPA 54. A heavy load will be applied to the wall on which the water heater is mounted. If the strength of the wall is not sufficient, reinforcement will be necessary. • Take care not to drop the water heater, or otherwise damage it. The internal parts can be damaged and cause a danger of accident. Be sure to mount the water heater on an upright wall. Work Item Schematic illustration Note Location of screw hole Be careful of injuries when you need to work with bare hands. Location of screw hole Mounting board Be careful of electric wiring, and gas and water pip-(upper) ing inside the house while drilling holes. 1. Drill holes for tapping screws, secure the tapping screws temporarily on the wall, and hang the mounting board (upper side) on the tapping screws. 2. Determine the screw positions (two at the top and bottom respectively), and take off the equipment. 3. Drill holes at the screw positions on the wall. Tapping screw 4. Hang the equipment again on the tapping screws secured temporarily, and tighten the tapping screws (two at the upper and lower sides respectively). Mounting Water heater and building structure Install the water heater firmly so it will not turn over. get damaged or broken due to the shocks of earth-Insulation material guakes or vibrations. Building (Covered with metal wooden screw) Min: 1

6.Exhaust piping installation



Installation of exhaust vent and end of pipe

Discharge the exhaust gas outside using the extension sold separately.

Preparation before installation

• Exhaust pipe diameter and limit length

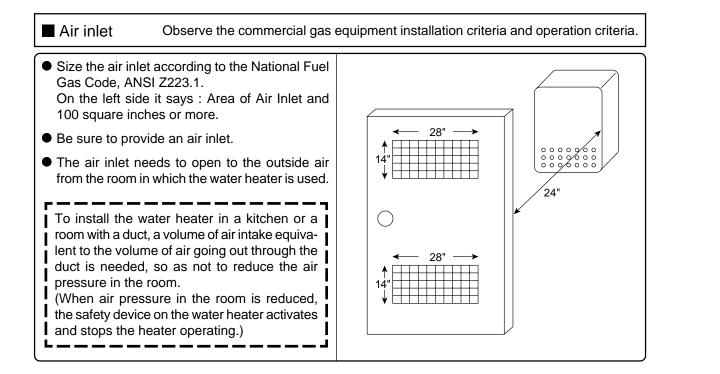
Pipe diameter	5"
Limit of exhaust vent length	15 feets with 3 bends (Except the end of pipe)

(A bend is equivalent to 15 feets straight pipe.)

- Check that the length from the installation location of the water heater to the end of vent is within the specified maximum distance.
- * If this limit is exceeded, explosion may occur.
- Be sure the vent pipe directs exhaust to the outside of the building.
- Avoid firewalls when determining the route for installing the exhaust pipe.
- Do not mount a fireproof damper on the exhaust pipe.
- * The shortest vent length is 1 meter with a bend. (The end of exhaust pipe is not included as a bend.)

Avoid the installation shown in the illustration on the right

- Make the vertical section at the exhaust vent as short as possible.
- Maintain the same vent pipe diameter all the way to the end.
- Use only listed category III vent materials.
- Make sure vent pipe is gas tight and will not leak.
- Do not place any dangerous objects at the end of the exhaust vent.
- Steam (smoke) or water drops may come out from the end of the exhaust pipe. Select the location for the end of the vent so that steam is not visible, and the vent is not wet with dripping water.
- If snow is expected to accumulate, take care the end of the pipe is not covered with snow or hit by falling lumps of snow.



7.Gas piping

Follow the instructions from the utility.

The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of $\frac{1}{2}$ psig (3.5 kPa). The Appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than $\frac{1}{2}$ psig (3.5 kPa).

The appliance and its gas connections must be leak tested before placing the appliance in operation.

1. Turn on gas supply.

2. Spray a 10:1 dishwater soap and water solution around all gas connections, and look for bubbles. If bubble is present, disassemble and apply a liberal amount of sealant.

The inlet gas pressure must be within the range specified. This is for the purposes of input adjustment.

In order to choose the proper size for the gas line, consult local codes or the National Fuel Gas Code ANSI Z223.1.

Gas valve

If gas is not available in the area where the equipment is to be installed, or if the line is not sized correctly, the gas line will need to be reworked for this water heater.

Gas pressure

Select gas piping with the appropriate diameter and a proper gas meter in order to achieve sufficient gas pressure at the inlet of the water heater during maximum burning.

Natural Gas Pressure inlet Min. 5" WC Max. 10.5" WC

LP Gas Pressure inlet Min. 11" WC Max. 14" WC

Gas connection

Do not use piping with a diameter smaller than
the inlet diameter of the water heater.
After connecting the piping, check for gas leak-
age at the inlet.

- Install a gas shutoff valve on the supply line.
- Use approved gas piping materials.
- Use removable connections or hex pipe.
- Gas meter

Select a gas meter capable of supplying gas for the water heater while also supplying gas to other gas equipment.

8. Supply water and hot water piping

Ask a qualified plumber in the region for piping and observe plumbing codes.

This appliance suitable for potable water and space heating applications. Do not use this appliance if any part has been underwater. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and gas control which has been under water.

If the water heater is installed in a closed water supply system, such as one having a backflow preventer in the cold water supply line, means shall be provided to control thermal expansion. Contact the water supplier or a local plumbing inspector on how to control this situation.

A pressure relief valve must be installed near the hot water outlet that is rated in accordance with and complying with either The Standard for Relief Valves and Automatic Shutoff Devices for Hot Water Supply Systems, ANSI Z21.22, or The ANSI/ASME Boiler and Pressure Vessel Code, Section IV ("Heating Boilers"). This pressure relief valve must be capable of an hourly Btu rated temperature steam discharge of 399,000 Btuh. Multiple valves may be used. The pressure relief capacity must not exceed 150 psig. No valve shall be placed between the relief valve and the water heater. The relief valve must be installed such that the discharge will be conducted to a suitable place for disposal when relief occurs. No reducing coupling or other restriction may be installed in the discharge line. The discharge line must be installed to allow complete drainage of both the valve and the line. If this unit is installed with a separate storage vessel, the separate vessel must have its own temperature and pressure relief valve. This valve must also comply with The Standard for Relief Valves and Automatic Gas Shutoff Devices for Hot Water Supply Systems, ANSI Z21.22. (in the U.S. only). A temperature relief valve is not required, but if one is used, do not install the valve with the probe directly in the flow of water. This may cause unwarranted discharge of the valve.

Piping and components connected to the water heater shall be suitable for use with potable water. Toxic chemicals, such as those used for boiler treatment, shall not be introduced into the potable water. A water heater used to supply potable water may not be connected to any heating system or components previously used with a nonpotable water heating appliance.

When water is required in one part of the system at a higher temperature than in the rest of the system, means such as a mixing valve shall be installed to temper the water to reduce the scald hazard.

- Pass water through the pipe to clean out metal powder, sand and dust before connecting it.
- Take appropriate heat insulation measures (e.g., wrapping with heat insulation materials, using electric heaters) according to the climate of the region to prevent the pipe from freezing.
- Use a union coupling or flexible pipe for connecting the pipes to reduce the force applied to the piping.
- Do not use piping with a diameter smaller than the coupling.
- When feed water pressure is too high, insert a depressurizing valve, or take <u>water hammer preven-</u> tion measure.
- Avoid using joints as much as possible to keep the piping simple.
- Avoid piping in which an air holdup can occur.
- * Use approved piping materials.

Supply water piping

- Do not use PVC piping with city water.
- Mount a check valve and a shut off valve (near the inlet).
- In order for the client to use the water heater comfortably, 98.1 to 491 kPa (14 to 70 PSI) of pressure is needed for water feeding.
 Be sure to check the water pressure. If the water pressure is low, the water heater cannot perform to its full capability, and may become a source of trouble for the client.
- Drain piping
- Expansion water may drop from the pressure prevention device and wet the floor. If necessary, provide drain piping or use a drain hose to remove the water.

Hot water piping

- Do not use lead or PVC piping with city water.
 The longer the piping, the greater the heat loss.
- Try to make the piping as short as possible.Use a mixing valve with a low water resistance.
- Use a shower head with low pressure loss.
- If necessary, use a pump or other means to ensure that the supply water pressure to the inlet of the heater does not fall below 200 kPa when the maximum amount of water is being demanded. Also install a pressure meter on the inlet. If this is not done, local boiling will occur inside the water heater causing abnormal sounds and decreasing the durability of the heat exchanger.

9.Electric wiring

Consult qualified electrician for the electrical work.

This appliance must be electrically grounded in accordance with local codes, or in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70. In Canada, the latest CSA C22.1 Electrical Code.

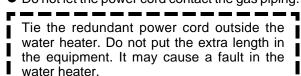
Caution: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation.

Verify proper operation after servicing.

Field wiring to be performed at time of appliance installation.

Do not turn on the power until the electrical wiring is finished. Otherwise, electric shocks or damage to the equipment will occur.	1

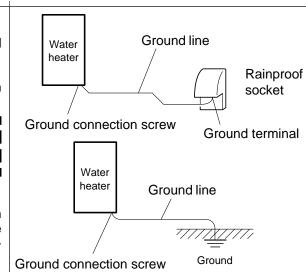
The power for the water heater is at 120V AC and 60Hz.
 Check the power consumption indicated on the



label, and use an appropriate circuit.
Do not do connect the power supply when not in use. When the power is off, the freeze prevention heater in the water heater will not activate, resulting possible damage from freezing.

Ground

- To prevent an electric shock, provide a ground with resistance less than 100. An electrical engineer should do the work.
- The ground terminal is provided at the bottom of the water heater and explicitly indicated.
- Do not connect the ground to the city water or gas piping. Do not tie the ground to a telephone line.
- Installation of breaker
- Mount a device which shuts off the electrical path automatically (leakage breaker) when leakage from electric facilities is detected (based on technical criteria).



Maintenance

The venting system must be examined periodically by a qualified service technician to check for any leaks or corrosion.

The burner flame must be checked periodically for a proper blue color and consistency.

If the flame does not appear normal, the burner may need to be cleaned.

If the burner needs to be cleaned, it must be performed by a qualified service technician. Do not obstruct the flow of combustion and ventilation air.

The pressure relief valve must be operated once a year to ensure that it is functioning properly and there is no obstruction. Turn the power off to the unit before opening the relief valve, and make sure that water draining out of the valve will not cause any damage.

If the relief valve discharges periodically, it may be due to thermal expansion in a closed water system. Contact the water supplier or a local plumbing inspector on how to correct this situation. Do not plug the relief valve. See Operation Manual for further maintenance.

Warning: There is a scald potential if the output temperature is set too high.

Should overheating occur, or the gas supply fail to shut off, turn off the manual gas control valve to the appliance. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

Installation of remote controller

• Applicable remote controller

		N-132
Remote controller	Main	RC-7646M

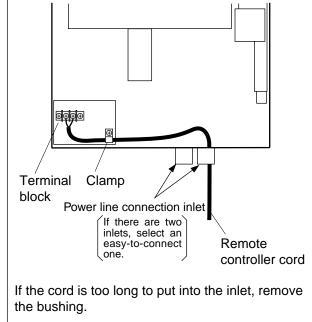
Install the remote controller according to the instructions in the Installation Guide (p.53 through p.55).

- For the N-132, the water heater can be controlled directly on the main unit. Four levels of water temperature settings (about 167, 140, 113 and 108°F) are provided. For setting the temperature, see the explanation below. Make sure to use a mixing valve at high temperature of 167 or 140°F.
- * Changing temperatures on the main unit
- Press "▲" or "▼" to call up the maintenance mode within 10 minutes after turning on the power. Do not turn on the Operation switch. If pressing "▲" or "▼" does not call up the maintenance mode, turn off the power and try again.
- 2. The item number will be indicated on the hot water temperature indicator (initially item number "A1" will be blinking).
- 3. When "▲" is pressed, "A1" changes to "A2" to "A3".... "d8" to "A1." When "▼" is pressed, "A1" changes to "d8" to "A1."
- 4. Set B7 and B8 in step 3. Press the "hot water level" switch for 0.5 seconds to switch the indication. * Do not touch the other switches. This may cause a faults in the water heater.
- ON : "Priority" lamp flashes.
- OFF : "Priority" lamp goes off.
- 5. When setting is finished, press "▲" and "▼" simultaneously for more than 5 seconds to confirm the settings. A call tone sounds when the entry is made. (Without this operation, changes in setting will not be remembered.)
- Note 1: To cancel the setting, leave the controller for 10 minutes, or turn on the Operation switch. The information set previously will be canceled. To make settings again, pull out the power plug, and turn on the power. Do steps 1 to 5 within 10 minutes.

Temp. Item No.	B7	B8	
140°F	OFF	OFF	
167°F	ON	OFF	
113°F	OFF	ON	* Remote Controller has been shipped
108°F	ON	ON	at 108 degree.

Connection of remote controller cord and water heater

- * Keep the remote controller cord away from the freeze prevention heater in the water heater.
- * Tie the redundant cord outside the water heater. Do not put the extra length inside the equipment.
- * Keep the remote controller cord length below 100 meters.
- * Use a Y type terminal with a resin sleeve. (Without the sleeve, faults may be caused by the corrosion of the copper wire).
- 1. Confirm the remote controller cord is long enough to stay connected if the water heater is pulled out from the wall.
- 2. Remove the front cover of the heater (4 screws).
- 3. Lead the remote controller cord into the equipment heater through the power connection inlet.
- 4. Connect the Y terminal at the end of the remote controller cord to the terminal block.
- Secure the remote controller cord with a clamp.
 Replace the front cover.



Should overheating occur, or the gas supply fail to shut off, turn off the manual control valve to the appliance.

10.Trial operation After installation, test the equipment to confirm the water heater works properly.

- the valve and close the valve.
 - (2) Open the gas supply valve, turn on the power supply, and turn on the Operation switch on the remote controller (the Operation lamp turns on).
- Open the hot water supply valve, and check that the combustion indicator comes on, and that hot (1) water is provided. (If necessary, repeat until the air in the gas piping is bled out).
- If error "11" is indicated, turn the Operation switch off and turn it on again, and open the hot water plug once more.

(2) Adjust the temperature setting on the remote control and confirm that the water temperature changes.

- If the water heater does not operate normally, refer to "Troubleshooting" in the Operation Manual.
- After the trial operation, clean the filter on the inlet.

[∧] Caution

Handling after trial operation

• Drain the water for freeze prevention, and close the gas valve and water supply valve. Make sure to drain the water, unless the unit will be used immediately. This is to prevent the water from freezing and the water heater from being damaged. Follow the instructions in the Owner's Manual.

(Freezing is not covered by the warranty.)

Lighting Instructions

This water heater does not have a pilot. It is equipped with an ignition device that automatically lights the burner.

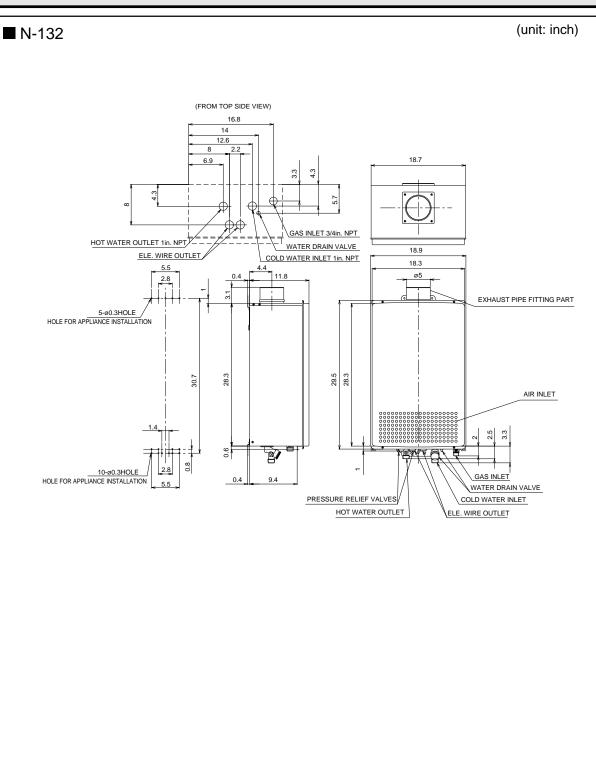
Do not try to light the burner by hand.

- 1. Read the safety information in the installation manual or on the front of the water heater.
- 2. Turn off all electrical power to the unit.
- 3. Do not attempt to light the burner by hand.
- 4. Turn the gas control manual valve (external to the unit) clockwise to the on position.
- 5. Wait five minutes to clear out any gas. If the smell of gas remains, stop, and follow the instructions on page 2 of this manual.
- 6. Turn the gas control manual valve counterclockwise to the on position.
- 7. Turn on electric power to the unit.
- 8. The unit will now operate whenever hot water is called for. If the unit will not operate, follow the shutdown instructions and call a service technician.

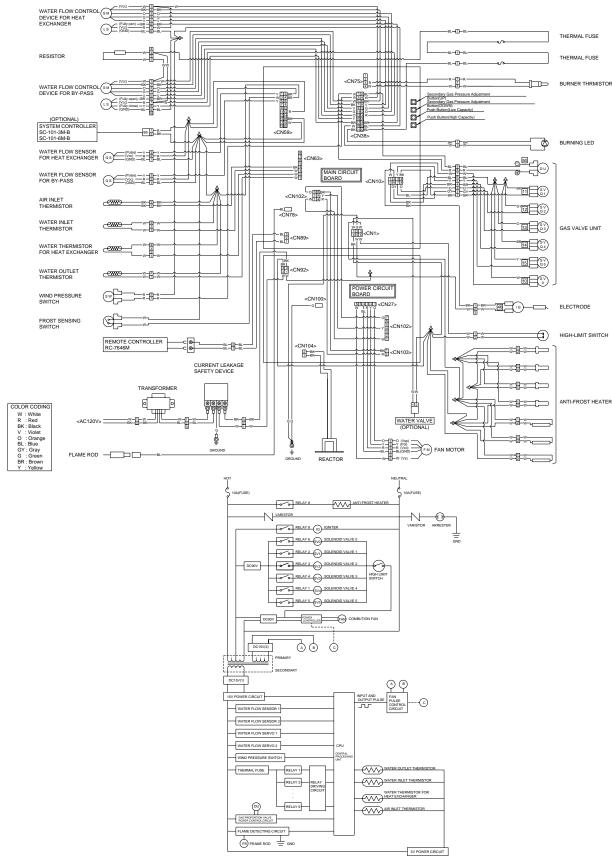
Shutdown Instructions

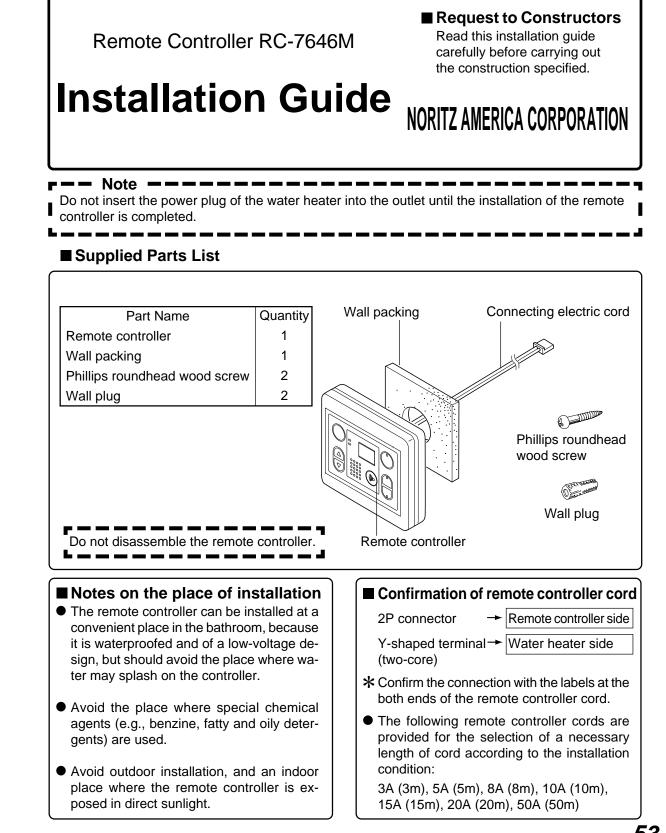
- 1. Stop any water demand.
- 2. Turn off electric power.
- 3. Turn the gas control manual valve clockwise to the off position.

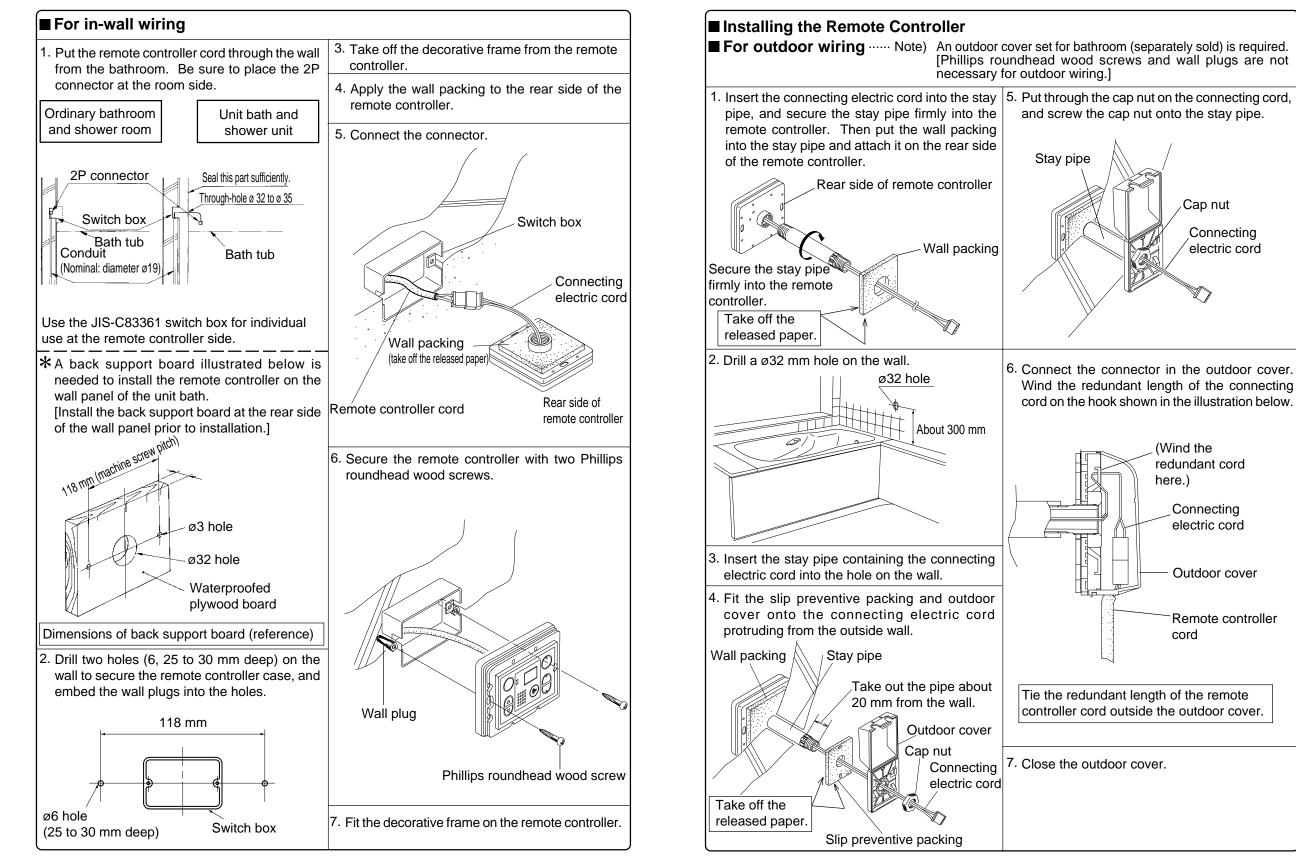
Dimensional outline drawing



WIRING DIAGRAM (MODEL : N-132)







55

Cap nut

(Wind the

cord

here.)

redundant cord

Connecting electric cord

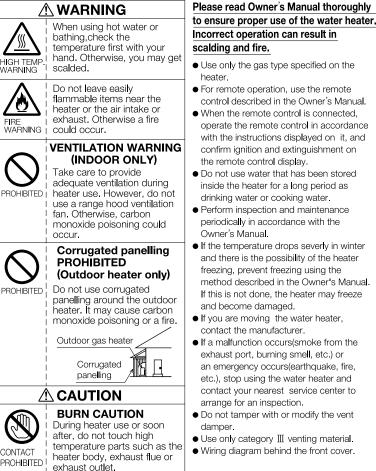
Outdoor cover

Remote controller

Connecting

electric cord

NORITZ AMERICA	y Dr. Ste. 104.Lake Forest CA 92630		
Model:	N-132		
Type of Gas:	Natural Gas		
BTU Input:	Max. 380,000~Min. 20,000		
Recovery Rate: Inlet Gas Pressure:	461 Gallons/Hour Min. 3.5 ~ Max. 10.5 inches		
Manifold Gas Press			
Electrical Rating:	AC 120 Volts 60 Hz		
Max Water Pressur			
ANSI Z21.10. 3 200	00		
FOR YOUR SAFETY Do not store of use gasoline or other flammable vaports and liquid in the vicinity of this or any other appliances			
REQUIRED CLE	ARANCES TO COMBUSTIBLES		
Minimum Clearances fror	n Combustible of Non-combustible Construction		
Clearance	Indoor Install		
Top of heater	12 inches		
Back of heater	1 inch		
Front of heater	4 inches		
Non-pipe side	2 inches		
Pipe side 6inches			
SERIAL NUMBER XXXX. XX-XXXXXX			



to ensure proper use of the water heater. Incorrect operation can result in • Use only the gas type specified on the • For remote operation, use the remote control described in the Owner's Manual. • When the remote control is connected, operate the remote control in accordance with the instructions displayed on it, and confirm ignition and extinguishment on the remote control display. • Do not use water that has been stored inside the heater for a long period as drinking water or cooking water. • Perform inspection and maintenance periodically in accordance with the • If the temperature drops severly in winter and there is the possibility of the heater freezing, prevent freezing using the

method described in the Owner's Manual If this is not done, the heater may freeze and become damaged.

• If you are moving the water heater, contact the manufacturer.

- If a malfunction occurs(smoke from the exhaust port, burning smell, etc.) or an emergency occurs(earthquake, fire, etc.), stop using the water heater and contact your nearest service center to arrange for an inspection.
- Do not tamper with or modify the vent
- Use only category III venting material. • Wiring diagram behind the front cover.

FOR YOUR SAFETY READ BEFORE OPERATING

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A. This water heater does not have a pilot. It is equipped with an ignition device that automatically lights the burner. Do not try to light the burner by hand.

- B. BEFORE OPERATING smell all around the water heater area for evidence of leaking gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.
- WHAT TO DO IF YOU SMELL GAS.
 - Do not try to light any appliance.
 - Do not touch any electric switch, do not use any phone in your building. • Immediately call your gas supplier from a neighbor's phone. Follow the gas
- supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.
- C. Use only your hand to turn the gas valve knob. Never use tools. If the knob will not turn by hand, don't try to repair it. Call a qualified service technician. Force or attempted repair may result in a fire of explosion.
- D. Do not use this water heater if any part has been under water. Immediately call a gualified service technician to inspect the water heater and to replace any damaged parts.

OPERATING INSTRUCTIONS

- 1. STOP! Read the safety information above.
- 2. Turn off all electric power to the appliance.
- 3. Do not attempt to light the burner by hand.
- 4. Turn the gas control manual valve (installed on the gas supply line external to the unit) clockwise € to the position.
- 5. Wait five (5) minutes to clear out any gas. If you then smell gas, STOP! Follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.
- 6. Turn the gas control manual valve (installed on the gas supply line external to the unit) counterclockwise ⊖ to the full ON position.
- 7. Turn on all the electric power to the appliance.
- If the appliance will not operate, follow the instructions "To Turn Off Gas To Appliance" and call your service technician or gas supplier.

TO TURN OFF GAS TO APPLIANCE

- 1. Turn off all electric power to the appliance if service is to be performed.
- 2. Turn the gas control manual valve (installed on the gas supply line external to the unit) clockwise \bigcirc to the full OFF position.

DANGER



Vapors from flammable liquids will explode and catch fire causing death or severe burns. Do not use or store flammable products such as gasoline, solvents or adhesives in the same room or area near the water heater.

DANGER

Keep flammable products:

- 1. Far away from heater.
- 2. In approved containers.
- 3. Tightly closed
- 4. Out of children's reach

Vapors: 1. Cannot be seen

- 2. Vapors are heavier than air
- 3. Go a long way on the floor
- 4. Can be carried from other rooms
- to the main burner by air currents.



Hot Water Heater temperature over 125 °F can cause

severe burns instantly or death from scalding. Children, disabled and elderly are at the highest risk of being scalded.

Feel water temperature before bathing or showering.

Temperature limiting valves are available, ask professional person.

WARNING: California Proposition 65 lists chemical substances known to the state to cause cancer, birth defects, death, serious illness or other reproductive harm. This product may contain such substances, be their origin from fuel combustion (gas, oil) or components of the product itself.

A temperature and pressure relief valve listed as complying with the standard for Relief Valve and Automatic Gas Shutoff Devices for Hot Water Supply System, ANSIZ21. 22. shall be installed at the time of installation of the heater in the location specified by the manufacturer. Local codes shall govern the installation of relief devices for safety operation of the water heater. The relief valve must not be removed or plugged.