

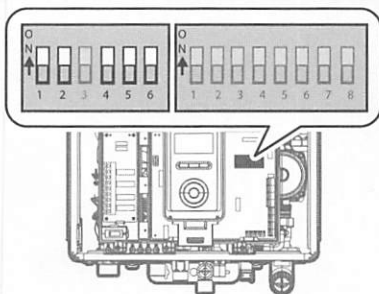
NOTICE

- The boiler has 2 sets of DIP switches on the main circuit board (PCB). DIP switches are used to control the functionality of the boiler. Set the DIP switches appropriately, based on the model and installation environment.
- The PCB service kit does not include the previous installation information. After the replacing the old PCB with the new service kit, configure the installation details via the Main Menu & Service/Installer Menu on the front panel. For more information about settings, refer to the Installation Manual (Section 11 Operating the Boiler).

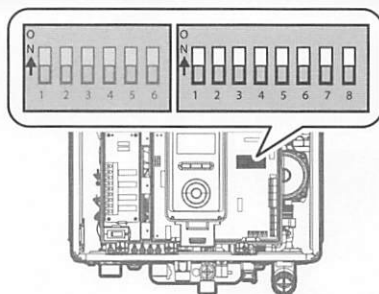
WARNING

- Improper DIP switch settings can cause dangerous operation of the boiler which can lead death, serious injury, or property damage.** The DIP switches must be set by a qualified professional based on the installation conditions.
- Use the front panel to ensure that all other settings are correct based on the installation conditions.
- Do not remove the front cover unless the power to the boiler is turned off or disconnected.** Failure to do so may result in electric shock.
- Ensure that the High Altitude setting reflects the actual location of the boiler. If not, it may cause personal injury or malfunction of the boiler.

DIP Switch 1 (6 switch unit)



Dip Switch 2 (8 switch unit)



Switch	Function	Setting	
1 & 2	Operation Status	Normal Operation	1-OFF, 2-OFF
		2-stage MAX	1-ON, 2-OFF
		1-stage MIN	1-OFF, 2-ON
		1-stage MAX	1-ON, 2-ON
4-6	Model Setting	NCB-190/060H	4-ON, 5-OFF, 6-OFF
		NCB-190/080H	4-OFF, 5-ON, 6-ON
		NCB-240/110H	4-OFF, 5-OFF, 6-ON
		NCB-240/130H	4-OFF, 5-ON, 6-OFF
		NCB-250/150H	4-OFF, 5-OFF, 6-OFF

Switch	Function	Setting		Comment
1	Gas Type	Natural Gas	1-OFF	Refer to Table 1 in "12 Appendix" in the Installation Manual.
		Propane Gas	1-ON	
2 & 3	High Altitude	0-1,999 ft (0-609 m)	2-OFF, 3-OFF	
		2,000-5,399 ft (610-1,645 m)	2-ON, 3-OFF	
		5,400-7,699 ft (1,646-2,346 m)	2-OFF, 3-ON	
		7,700-10,100 ft (2,347-3,078 m)	2-ON, 3-ON	
4	Well Pump	Used	4-ON	
		Unused	4-OFF	
5 & 6	Country	US/Canada	5-OFF, 6-OFF	
7	Space Heating Thermostat	Used	7-OFF	
		Unused	7-ON	
8	Exhaust Temperature Control	Used	8-OFF	
		Unused	8-ON	