

MAXITROL AMPLIFIER REPLACEMENT KIT INSTALLATION FOR INDIRECT-FIRED DUCT FURNACES

UNITS WITH ELECTRONIC MODULATION OPTION AG7, AG8, AG9, OR AG9H

- The replacement amplifier (see [Figure 1](#)) functions the same as the original, but when replacing an older amplifier, there is a difference in wire connections.



Figure 1. Replacement Maxitrol Amplifier

- Refer to the installation manual provided with the heater for important safety information.
- Ensure that all components listed in [Table 1](#) are available before beginning installation.

Table 1. Amplifier Replacement Kit Components				
Kit PN	Replaces (PN)	Option	Component	Component PN (Quantity)
262320	48035, 48036, 260863	AG7, AG9, AG9H	Amplifier	260863 (1)
			Blue wire	159289 (1)
			Wire terminal	142860 (9)
262321	48037, 48038, 260864	AG8	Amplifier	260864 (1)
			Blue wire	159289 (1)
			Wire terminal	142860 (9)

INSTALLATION

- Turn OFF gas and electric power.
- Open cabinet and mark and disconnect wires from amplifier being replaced. Remove amplifier.
- Install replacement amplifier and secure using supplied screws.
- Reconnect wires to replacement amplifier as follows:
 - For units with amplifier PN 260863 or 260864, wire connections do not change.

NOTE: The blue wire and the terminals in the kit are not used.

- Reconnect wires as marked.
 - If installing amplifier PN 260863 on unit with option AG7, remove R55 resistor between T5 and T7.
- For units with amplifier PN 48035, 48036, 48037, or 48038, refer to instructions in [Table 2](#).

Table 2. Replacement Amplifier Wiring Instructions		
Option	Figure Reference	Step
AG7	Figure 2, DETAIL A	1. Remove R55 resistor between T5 and T7.
		2. Connect wire terminal to each of nine wires and connect wires to replacement amplifier (PN 260863).
		3. Connect one end of new blue wire to T10 and other end to terminal block with blue wire from T9.
AG8	Figure 2, DETAIL B	1. If there are two orange wires connected to T3, cut and splice wires before connecting wire terminals.
		2. Connect wire terminal to each wire and connect to eight terminals on replacement amplifier (PN 260864).
		3. Connect one end of new blue wire to T10 and other end to terminal block with blue wire from T9.
AG9, AG9H	Figure 2, DETAIL C	1. If there are two orange wires connected to T3, cut and splice wires before connecting wire terminals.
		2. Connect wire terminal to each wire and connect to eight terminals on replacement amplifier (PN 260863).
		3. Connect one end of new blue wire to T10 and other end to terminal block with blue wire from T9.

INSTALLATION—CONTINUED

NOTE: Unused terminals are not shown in [Figure 2](#).

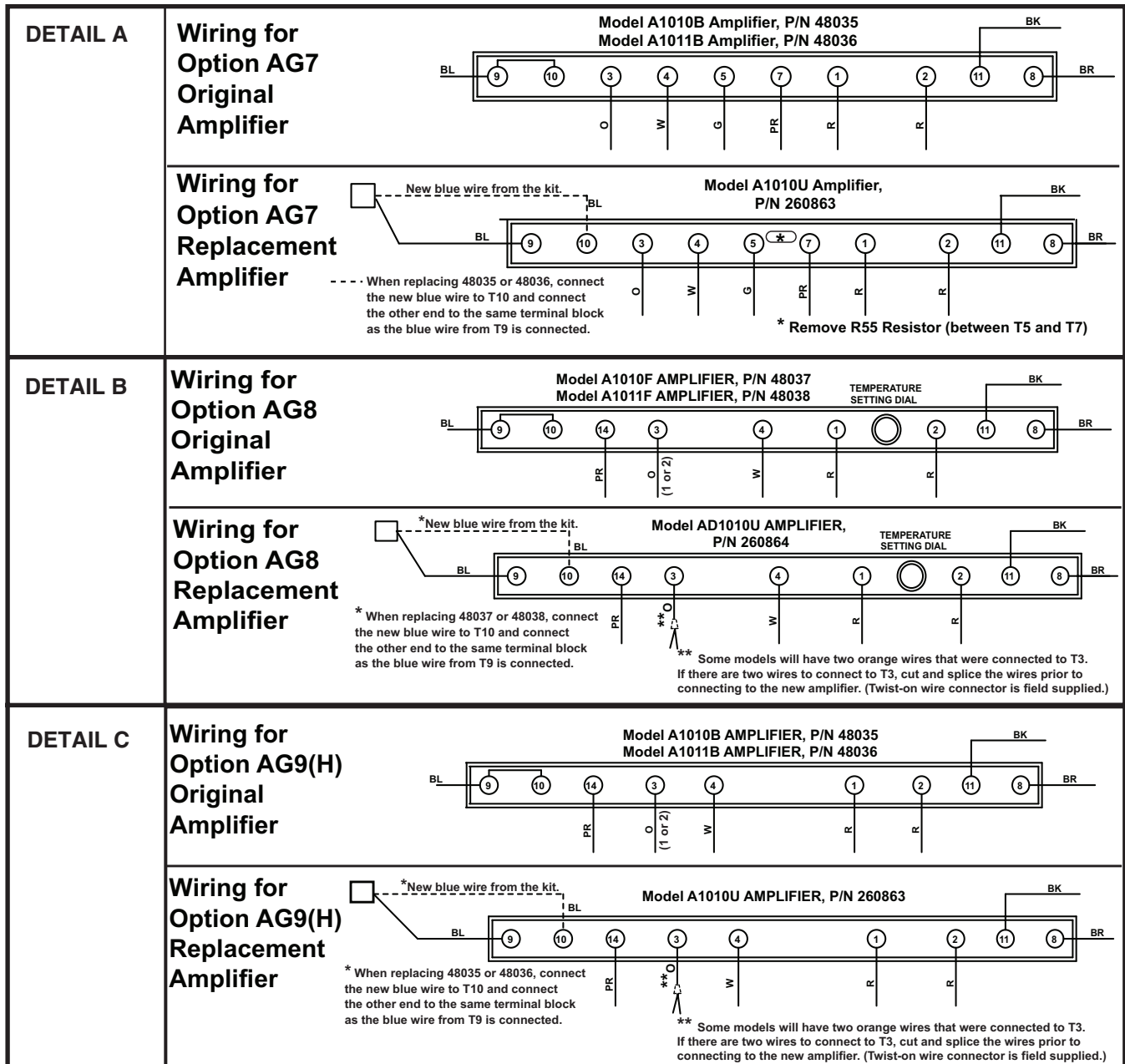


Figure 2. Replacement Amplifier Wiring Diagrams

5. Close cabinet.
6. Turn ON electric power and gas.
7. Check for proper operation.

NOTE: Keep this manual for future reference.

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