WIRING DIAGRAM

For 80+ and 90+ Single Stage Furnaces

Refer to the Installation Instructions provided with the furnace for the proper heating and cooling speeds for your application.

Red LED Flash	Error/Condition
	Flash codes stored in memory (auto-erased after 14 days)
1	System Lockout (Retries Exceeded)
2	Pressure Switch Stuck Closed
3	Pressure Switch Stuck Open
4	Open High Temperature Limit Switch
5	Flame Sensed>4.25 Seconds with Gas Valve De-Energized
6	Open Flame RO Switch
8	Ignitor Relay Error
10	Open Fuse
11	Ignitor Open
12	Inducer Relay Error
	Flash codes NOT stored in memory
7	Low Flame Sense Signal
9	Twinning Fault
Off	Control Failure / No Power / Internal Fault / IRQ Loss
	Gas Heating Lockout (Gas valve energized when it should be de-energized) Or Gas valve De-energized when it should be Energized
Rapid Flash	Reverse Polarity
Continuous On	Normal Operation

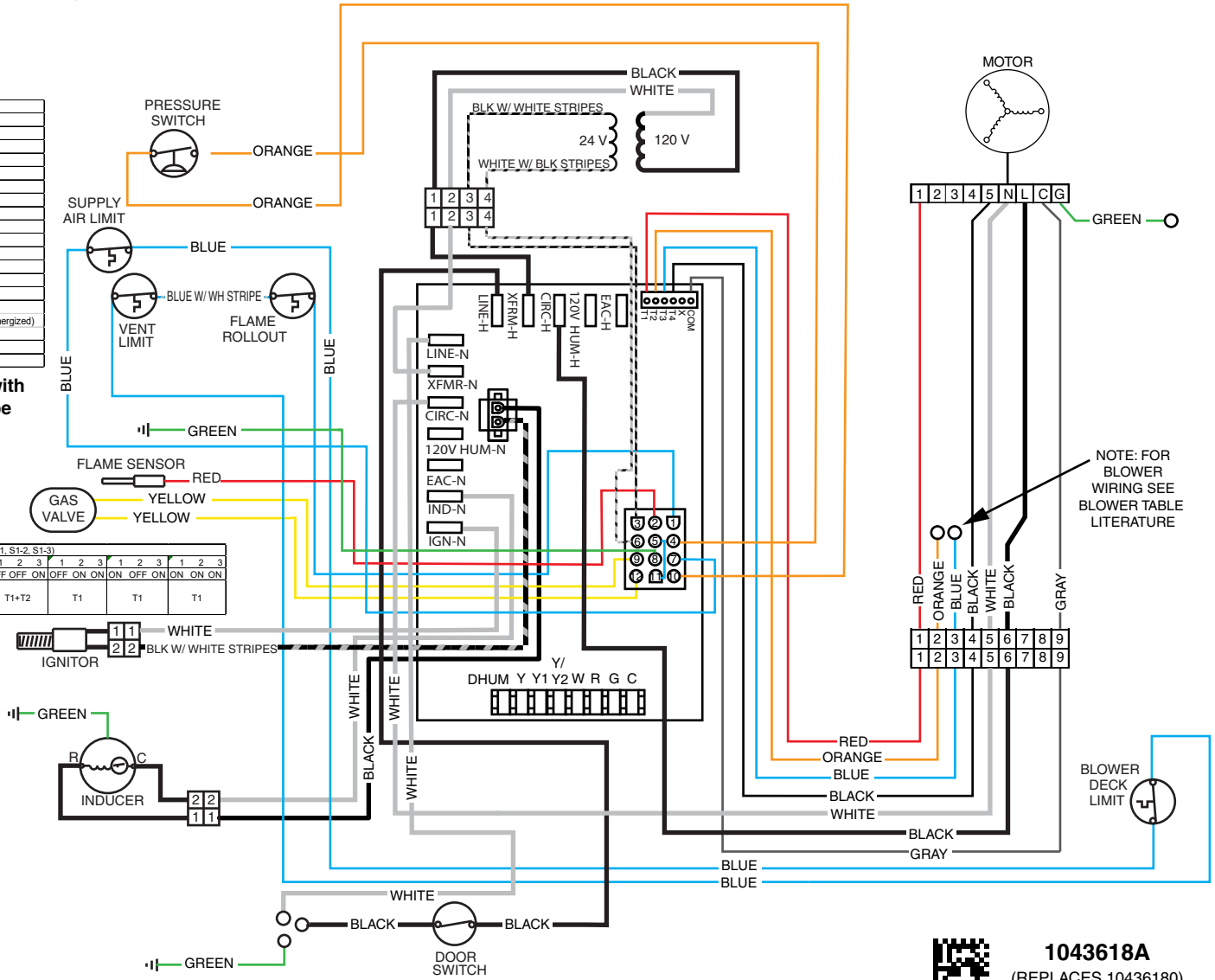
If any of the original wire as supplied with the furnace must be replaced, it must be replaced with wiring material having a temperature of at least 105° C.

Use copper conductors only.

Cool Motor SPEED DIPSWITCH SETTING (S1-1, S1-2, S1-3)																							
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	Position	OFF	OFF	OFF	ON	OFF	OFF	ON	ON	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF	ON	ON	ON	OFF	ON	ON	ON	ON
Motor SPEED Cool	Y	T1			T2			T3			T4			T1+T2			T1			T1			T1		

Heat Motor SPEED DIPSWITCH SETTING (S2-1, S2-2)									
		1	2	1	2	1	2	1	2
	Position	OFF	OFF	ON	OFF	ON	ON	OFF	ON
Motor SPEED Heat	W	T1		T2		T3		T4	

Fan Motor SPEED DIPSWITCH SETTING (S2-3, S2-4)									
		1	2	1	2	1	2	1	2
	Position	OFF	OFF	ON	OFF	OFF	ON	ON	ON
Motor SPEED Fan	G	T1		T2		T4		T1+T2	



LEGEND:

FIELD WIRING - - - -
LOW VOLTAGE ———
HIGH VOLTAGE ━━━

1043618A
(REPLACES 10436180)
02/23