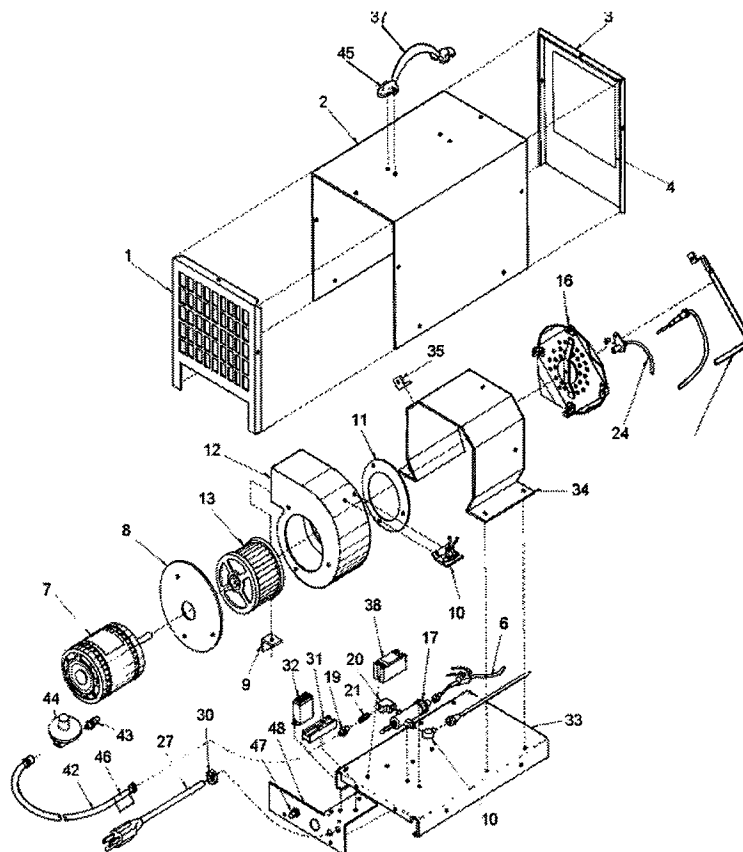


30-FAS / SPC-30



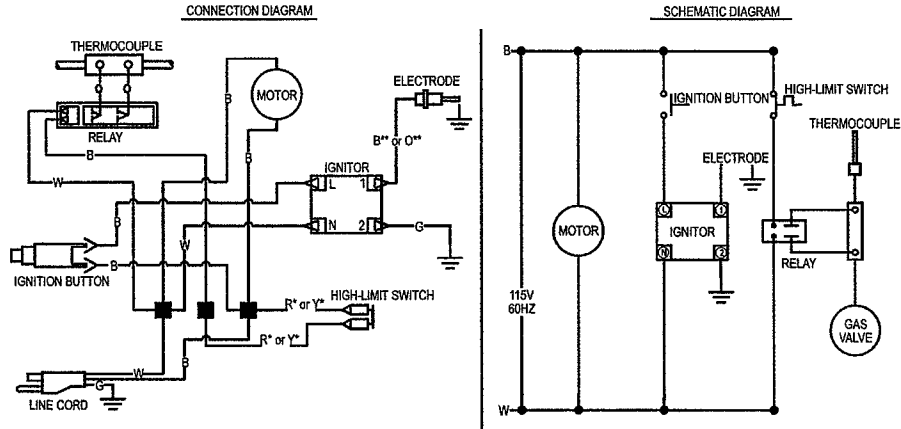
Item	30-FAS	SPC-30	Description	Qty.	Item	30-FAS	SPC-30	Description	Qty.
1	3455	3486	Front Cover, Housing	1	34	3478	3478	Burner Box	1
2	3392	3367	Housing, 30-FAS	1	35	3517	3517	Blower/Burner Bracket	1
3	3393	3369	Rear Cover, Housing	1	*	6070	6070	Loop Clamp, 5/16"	1
4	6825	6825	Foil AL 2-3 Adhesive Back	1	37	7095	7095	Handle	1
*					38	6250	6250	Spark Ignitor, 115V	1
6	6803	6803	Thermocouple, 15" w/Junction Block	1	*				
7	1368	1368	Motor Assembly	1	*	6811	6811	Label, Model, Operating Instructions	1
8	3371	3371	Motor Mounting Plate	1	*	7008	7008	Label, Wiring	1
9	3372	3372	Blower Exit Bracket	1	42	7152	7152	Hose Assembly, LP 1/4"	1
10	1440	1440	High Limit Control Assembly	1	43	6433	6433	POL Excess Flow	1
11	6730	6730	Blower Inlet Ring	1	44	6255	6255	Regulator 11" W.C.	1
12	1455	1455	Blower Housing	1	45	7094	7094	Clip, Handle	2
13	6732	6732	Blower 3.75 in. ccw 1/4" HUB	1	46	6712	6712	Label, Hangtag, LP Hose	1
16	1345	1345	Flame Holder Assembly	1	47	6171	6171	Switch, Push Button	1
17	7285	7285	Thermoelectric Valve	1	48	3667	3667	Relay Mounting Bracket, 30-FAS	1
18	6138	6138	Fitting, Male Elbow	1	*	7491	7491	Label, Fuel/Ignition	1
19	6144	6144	Fitting, Male Connector	1	*	6373	6373	Label, Fan Rotation	1
20	6142	6142	Fitting, Elbow	1	*	6374	6374	Label, Electrical Ground	1
21	6133	6133	Fitting, Coupling	1	*	6916	6916	Label, Logo	1
22	1640	1640	Fuel Tube Assembly	1	*	7013	7013	Label, Warning, Exit	1
24	1377	1377	Electrode Assembly	1	*	7061	7061	Label, BTU	1
27	1036	1036	Power Cord Assembly	1	*	8653	8653	Manual, Operating Instructions	1
30	6223	6223	Strain Relief Bushing	1	*	7009	7009	Parts List/Wiring Diagram	1
31	6641	6641	Terminal Board	1	*	1502	1502	Hose & Regulator Assembly	1
32	1811	1811	Relay Assembly	1					
33	3480	3480	Base	1					

* Not shown on exploded view

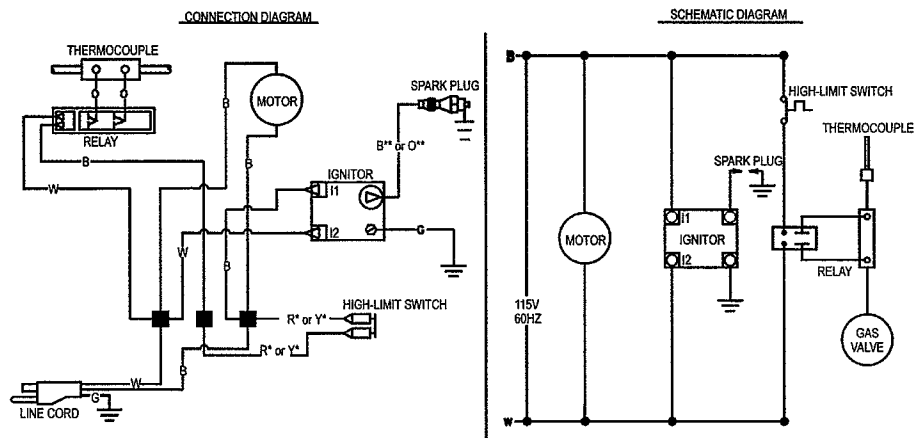
Models 30-FAS/SPC-30, SPC-40, 45-FAC/SPC-45, 85-FAC/SPC-85, 125-FAC/SPC125

WIRING DIAGRAMS

30-FAS/SPC-30



SPC-40, 85-FAC/SPC-85, 125-FAC/SPC-125



COLOR CODE		LEGEND	
B	BLACK	R	RED
BL	BLUE	Y	YEL
W	WHITE	O	ORG
G	GREEN		
		—	FEMALE CONN.
		○	RING CONN.
		■	TERMINAL BOARD

NOTE: IF ANY ORIGINAL WIRING AS SUPPLIED WITH THE HEATER MUST BE REPLACED, IT MUST BE REPLACED WITH TYPE AWG 105° C WIRE OR ITS EQUIVALENT EXCEPT AS INDICATED (*TYPE SF 2-200, **SGI-250°C)

WIRING CHART

30-FAS/SPC-30					SPC-40, 85-FAC/SPC-85, 125-FAC/SPC-125				
Part No	Color	Length	From	To	Part No	Color	Length	From	To
1040	Black	6" (152mm)	Ignition Switch	T.B. Line	1040	Black	6" (152mm)	I1 (Ignitor)	T.B. Line
1040	Black	6" (152mm)	Ignition Switch	L (Ignitor)	1070	Orange	11" (279mm)	1 (Ignitor)	Spark Plug
1385	White	10" (253mm)	N (Ignitor)	T.B. Return	1041	White	4 1/2" (114mm)	I2 (Ignitor)	T.B. Return
1110	Green	4 1/2" (114mm)	2 (Ignitor)	Ground	1044	Yellow	16" (406mm)	High Limit	T.B. Middle
1370	Red	7" (177mm)	High Limit	T.B. Middle	1044	Yellow	16" (406mm)	High Limit	T.B. Line
1370	Red	7" (177mm)	High Limit	T.B. Line	1441	Black	5" (127mm)	Relay	T.B. Middle
1441	Black	5" (127mm)	Relay	T.B. Middle	1442	White	5" (127mm)	Relay	T.B. Return
1442	White	5" (127mm)	Relay	T.B. Return	1806	Orange	6" (152mm)	Relay	Thermocouple Junction Block
1806	Orange	6" (152mm)	Relay	Thermocouple Junction Block	1806	Orange	6" (152mm)	Relay	Thermocouple Junction Block
1806	Orange	6" (152mm)	Relay	Thermocouple Junction Block					