



PARTS LIST			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	582005	24v TRANSFORMER	1
2	582008	BLOWER MOTOR	1
3	582010	NAT GAS VALVE OR	1
	582016	LP GAS VALVE	1
4	582011	NAT IGNITION ELECTRODE OR	1
	582015	LP IGNITION ELECTRODE	1
5	582012	HIGH VOLTAGE LEAD (NOT SHOWN)	1
6	582019	IGNITION CONTROL MODULE	1
7	582026	MAIN ORIFICE MOUNTING FLANGE	1
8	582018	FLAME SPREADER	1
11	582032	WIRE LEADS AND MOUNTING BRACKET	1

9 PILOT ORIFICE SIZE CHART	
NATURAL	BCR-24
LP	BCR-18

10 MAIN ORIFICE SIZE CHART		
75,000 BTU-HR	NATURAL GAS	#19 (.166")
75,000 BTU/HR	LP GAS	#37 (.104")
100,000 BTU/HR	NATURAL GAS	#13 (.185")
100,000 BTU/HR	LP GAS	#36 (.107")
125,000 BTU/HR	NATURAL GAS	#5 (.205")
125,000 BTU/HR	LP GAS	1/8" (.125")
150,000 BTU/HR	NATURAL GAS	#1 (.228")
150,000 BTU/HR	LP GAS	#29 (.136")
200,000 BTU/HR	NATURAL GAS	G (.261")
200,000 BTU/HR	LP GAS	5/32" (.156")

120v WIRING

WHITE —•— WHITE/ORANGE
 BLACK —•— ORANGE
 GREEN —•— GREEN

* CONVERSION KITS ARE AVAILABLE

TITLE:
120v P250 BURNER EXPLODED VIEW

MODELS: SPK-280 S/N: ALL
 SPK-500 S/N: 7000-9652
 SPK-700 S/N: ALL
 SPK-1400 S/N: ALL
 BBR SERIES S/N: ALL
 XLR SERIES S/N: ALL



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Southern Pride Distributing, LLC
 401 S. Mill Street
 Alamo, TN 38001
 Ph: 731-696-3175
 Fax: 731-696-3180

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES
 TOLERANCES
 LINEAR: +/- 0.005"
 ANGULAR: +/- 0.1°

SIZE A3 DWG NO. **SPExpI-B003** REV **1**

DO NOT SCALE DRAWING SCALE: 1:1 DRAWN BY: DAVE LEWSADER DATE: 1/22/2020 SHEET 1 OF 1