

# SUNFIRE®

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## **SF120** RADIANT HEATER

### Parts Manual



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## Using this Catalog

To use this catalog, follow these easy steps:

1. Determine what Assembly or Component you wish to order.
2. Reference the Table of Contents above to determine the page the part is located on.
3. Use the exploded views to locate the part Item Number, then cross reference the number in the table.

-or-

Scan through the tables and use any of the information provided to locate the part.

Note: Drawings are not to scale.

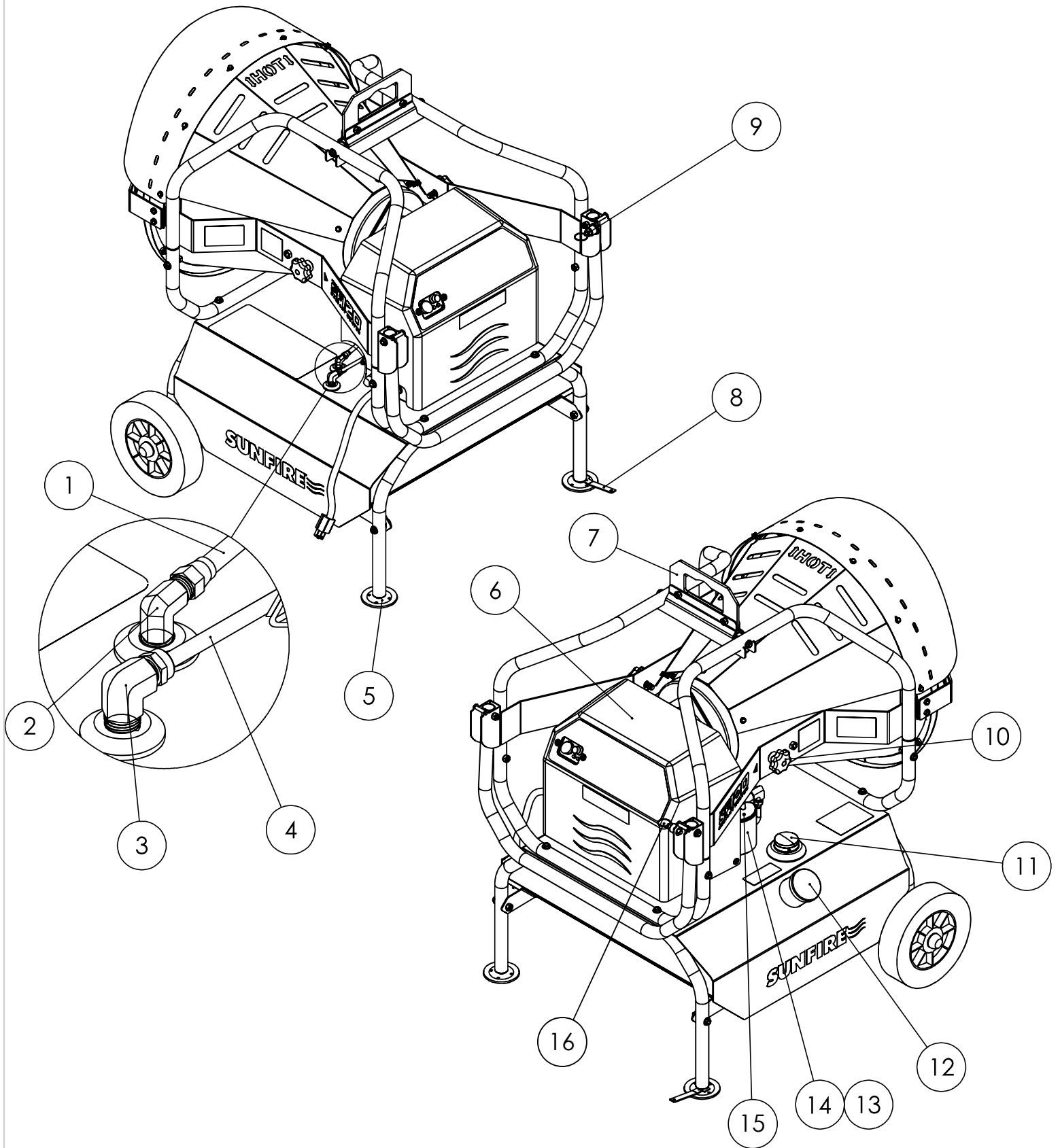
### General Information

- All content in this catalog is subject to change without notice.

### Product and Price Information

1. Specifications and availability of products are subject to change without notice.
2. Descriptions may not reflect current technical information.
3. Any typographical, photographic, drawing or specification error in products or pricing is subject to correction.
4. Products shown are not to scale.
5. Products may vary in appearance.
6. Advertising and selling parts over the internet is prohibited.

# SF120 Radiant Heater

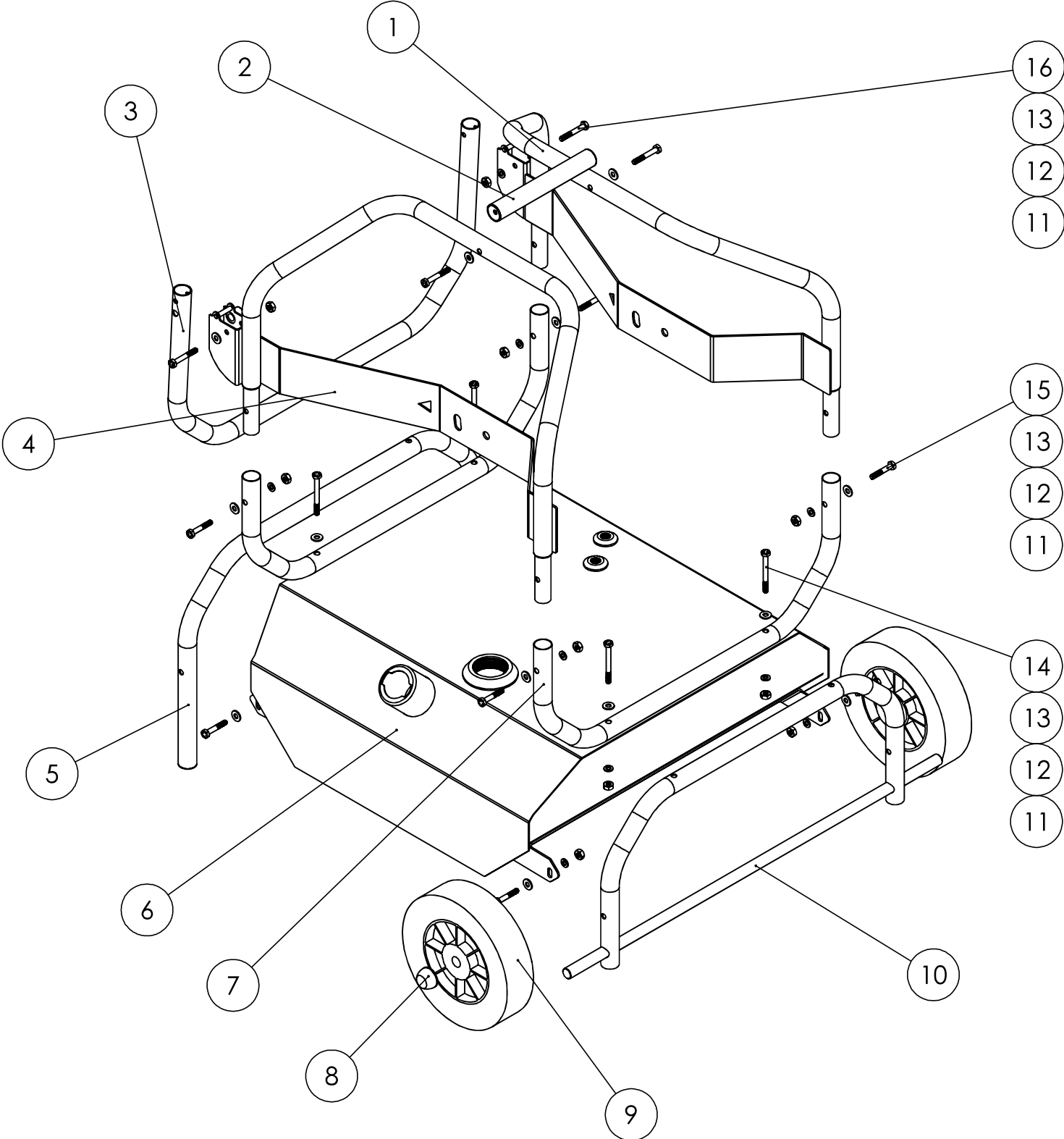


## ***Part # 95120 - SF120 Radiant Heater***

ITEM NO.	PART NUMBER	DESCRIPTION
1	81012380*	Suction Line Hose
2	81010887	Draw Tube Assembly - SF120
3	81010880	1/4" NPT 90° Elbow x 1/4 OD Compression
4	81010881	Prime Line - SF120
5	81011053	Threaded Foot Pad
6	81011214	Cover w/ Labels - SF120 Burner
7	81010926	Assembly - Crane Bracket
8	81011055	SF120 Wrench
9	81011434	Locking Pin
10	81010980	Plastic Knob
11	81010885	Fuel Guage
12	81010884	Fuel Cap
13	81010875	Fuel Filter (Spin-On)
14	29402	Filter Heater (Wrap)
15	81010874	Filter Head
16	81011434	Locking Pin for Handle

\*For serial 12003177 and prior, use suction line hose 29513

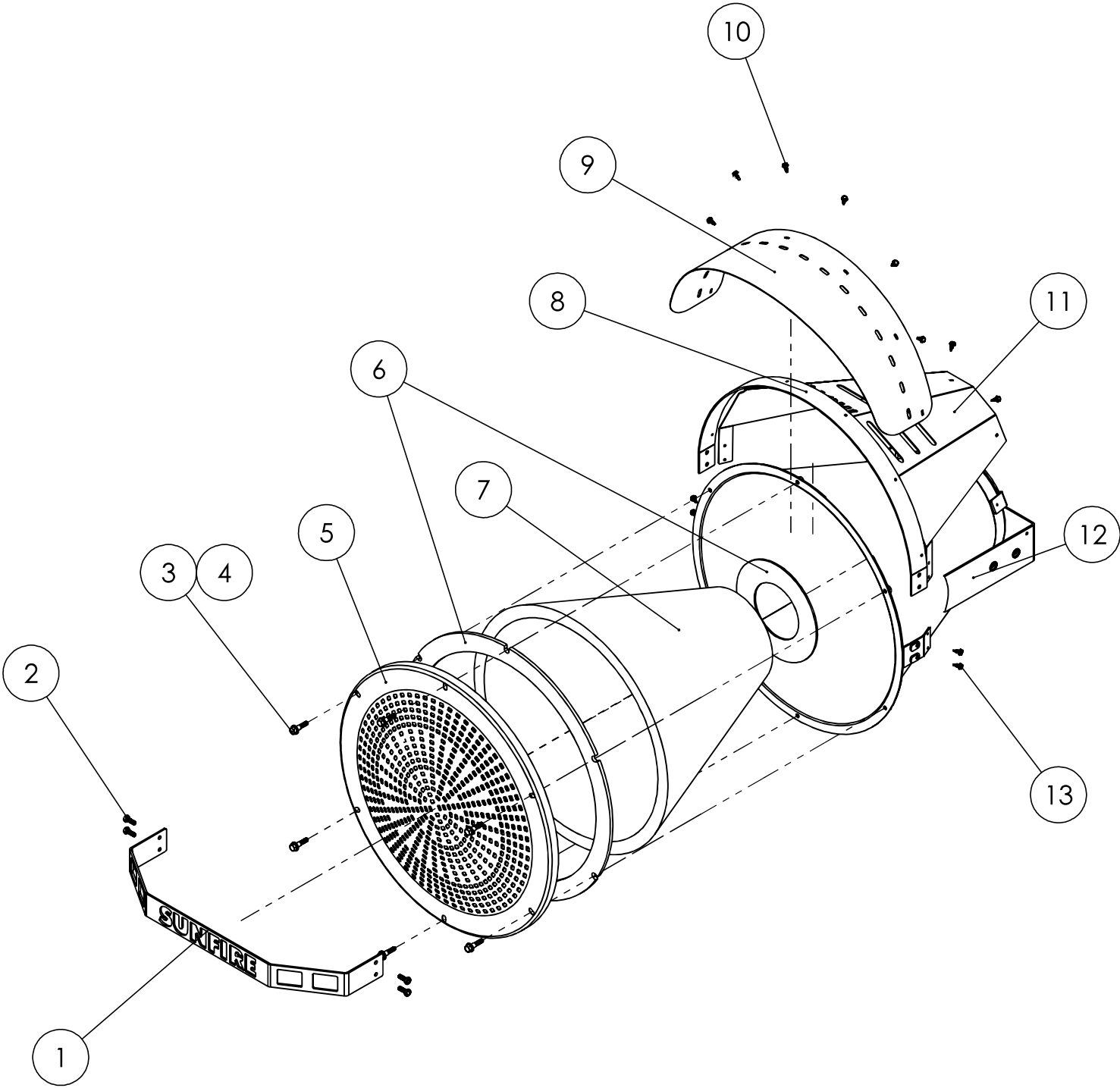
# Full Frame Assembly, SF120



## Part # 81010974 - Full Frame Assembly, SF120

ITEM NO.	PART NUMBER	DESCRIPTION
1	81011216	Upper Frame Left w/ Labels SF120
2	81011001	Crossbar Assembly with Inserts
3	81010798	Tube - Handle
4	81011215	Upper Frame Right w/ Labels - SF120
5	81010923	Foot Pad Tube - SF120 Assembly
6	81011217	Fuel Tank w/ Labels SF120
7	81010764	Frame Tube Lower SF120
8	34505	5/8 Push on Wheel Retainer
9	81010768	8" WHEEL
10	81011000	Tube Axle - SF120
11	81010968	1/4-20 Hex Nut Black-Oxide
12	81010967	Black-Oxide SS Split Lock Washer
13	81010966	Black-Oxide 18-8 SS Washer 1/4-
14	81010965	20 x 3" Hex Head Black- Oxide Bolt
15	81010963	1/4-20 x 1-1/2" Hex Head Black- Oxide Bolt
16	81010964	1/4-20 x 1-3/4" Hex Head Black- Oxide Bolt

# Full Dome Assembly, SF120

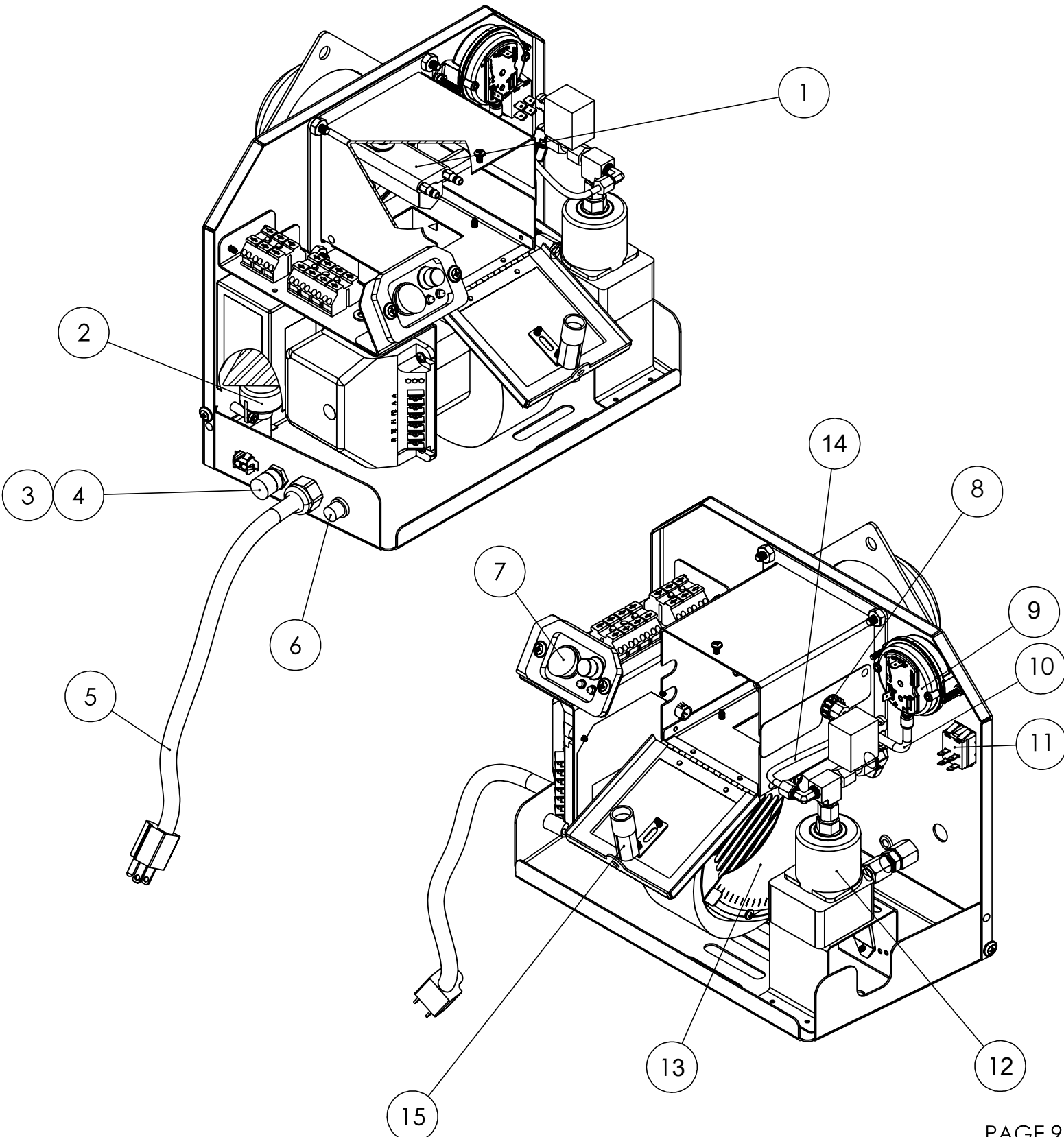


## Part # 81010794 - Full Dome Assembly, SF120

ITEM NO.	PART NUMBER	DESCRIPTION
1	81010761	Flame Guard
2	81010959	Screw - 1/4-20" x 3/4 SS Hex Head
3	81010958	SS Shoulder Bolts
4	81011036	Washer - 5/16ID, .094Th, SS
5	81010757	Dome Face - SF120
6	81010795	Dome Gasket
7	81010762	Dome Insulation - SF120
8	81010793	Mounting Ring - SF120
9	81010760	Visor - SF120
10	7014	Screw - #10 X 1/2 IN Galv TEK
11	81010759	Heat Shield - SF120
12	81010937	Weldment - Dome
13	81010960	Screw - #10 x 1/2 Blk TEK



# Full Burner Assembly, SF120

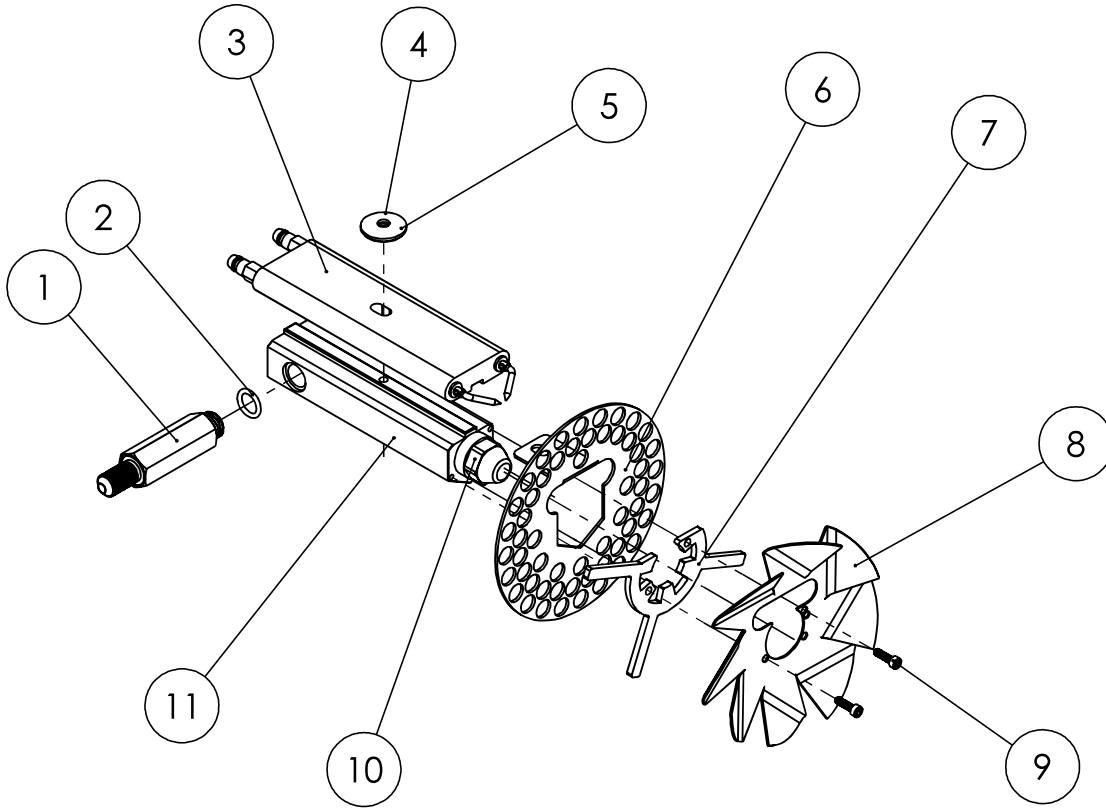


## Part # 81010600 - Full Burner Assembly, SF120

ITEM NO.	PART NUMBER	DESCRIPTION
1	81010607	Assembly - Nozzle Block
2	29450	Tip Switch
3	76000841	Fuse Holder
4	20510113	Fuse - FA 8A 250V
5	29437	Power Cord
6	33168	Light - LED Amber
7	81010978	Electrical Bracket Assembly
8	20410110	Knurled Nut
9	81010896	Pressure Switch SF120
10	81010599	Tube - Pressure Swtich
11	81010893	Prime Switch - DPDT - Momentary
12	81010872	Pump Assembly with Fittings
13	81010604	Blower Assembly - SF120
14	81011210	Copper Line
15	8981	Cad Cell
16	81010597	Ignition Cables - SF120*

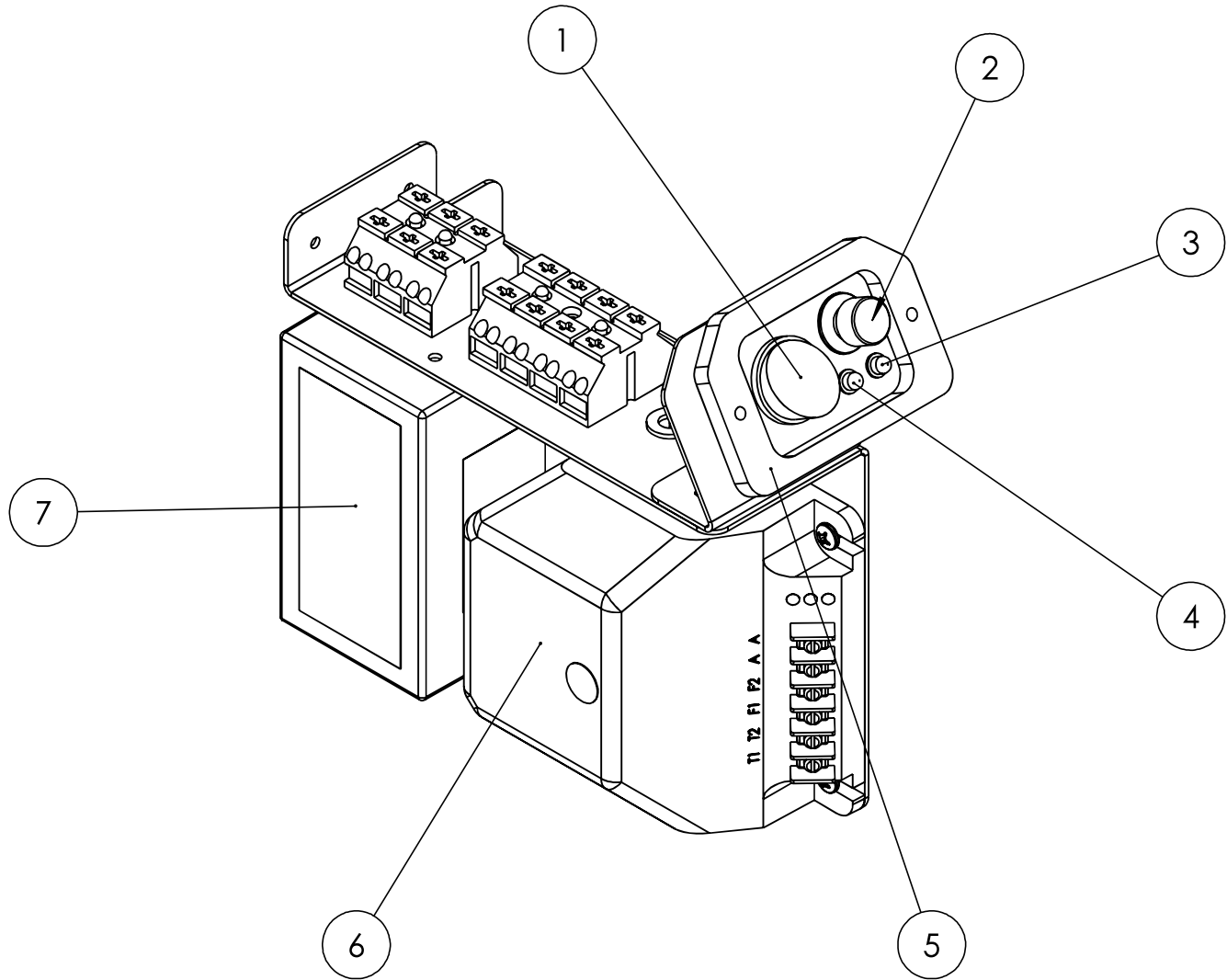
\* - Not displayed in Diagram

## Part # 81010607 - Nozzle Block Assembly



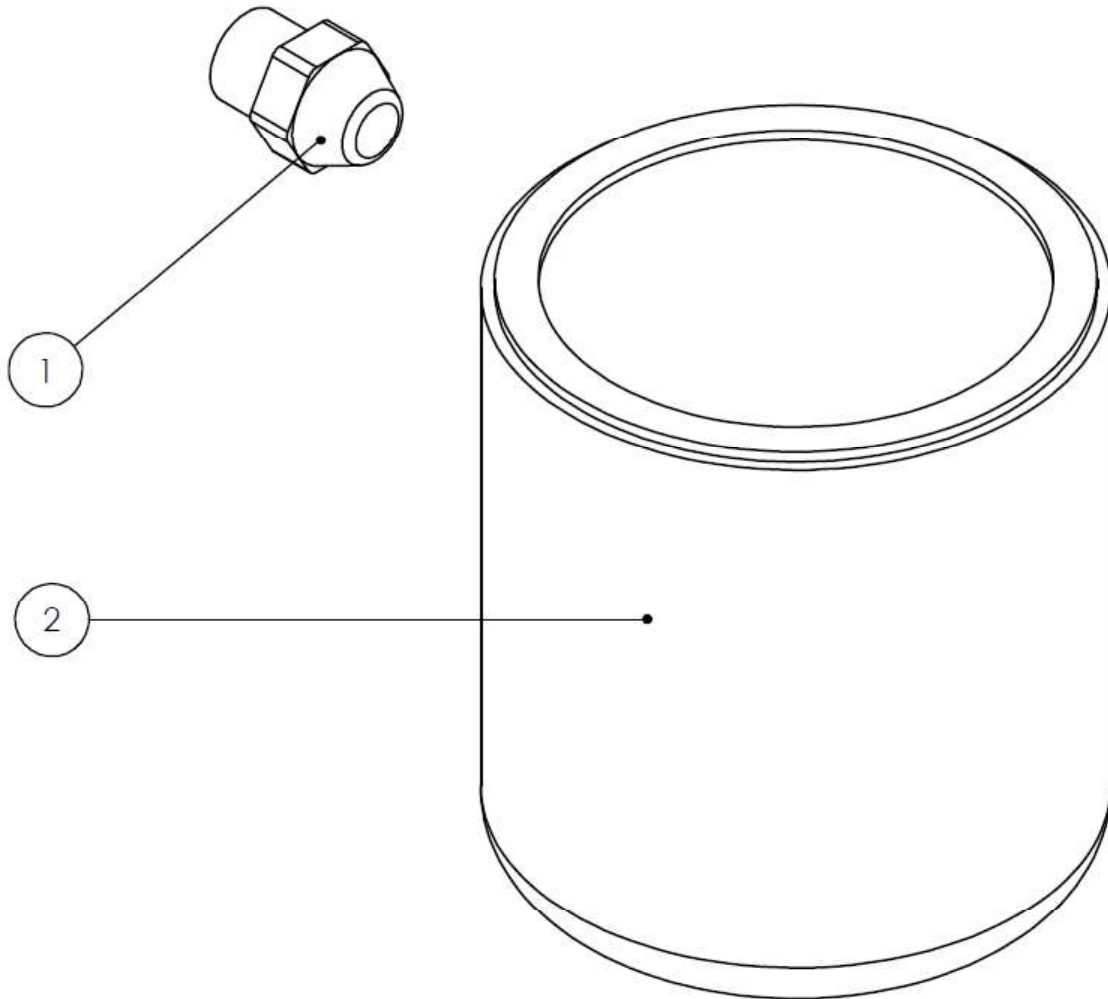
ITEM NO.	PART NUMBER	DESCRIPTION
1	81010612	Fitting - Bulkhead - SF120
2	76001386	O-Ring - Viton
3	81010611	Electrode Assembly, SF120
4	20410117	Screw, 8-32 x .625 - Slotted Hex Washer Head
5	20410115	#8 X 3/4" Electrode Washer
6	81010873	Perforated Preheater Plate
7	81010867	Center Device - SF120
8	81010609	Spinner - SF120
9	81010952	Screw - 4-40 X 3/8 Scket Head Cap
10	81011058	Nozzle - SF-120 .75
11	81010610	Nozzle Block - Hex - SF120

## Part # 81010978 - Assembly - Eletrical Bracket



ITEM NO.	PART NUMBER	DESCRIPTION
1	29449	Power Switch - On/Off
2	81010629	Button - Reset - SPST Momentary
3	81010628	Light - LED Red
4	81010627	Light - LED Green
5	81010868	Gasket, Transformer Door SF120
6	37502	Primary Control - SF120
7	37501	Electric Igniter - SF120

## Part # 81012370 - SF120 Tune-Up Kit



ITEM NO.	PART NUMBER	DESCRIPTION
1	81011058	Nozzle - SF-120 .75
2	81010875	Fuel Filter (Spin-on)