



GRAY MANUFACTURING
Company, Inc. • St. Joseph, Missouri

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Parts List

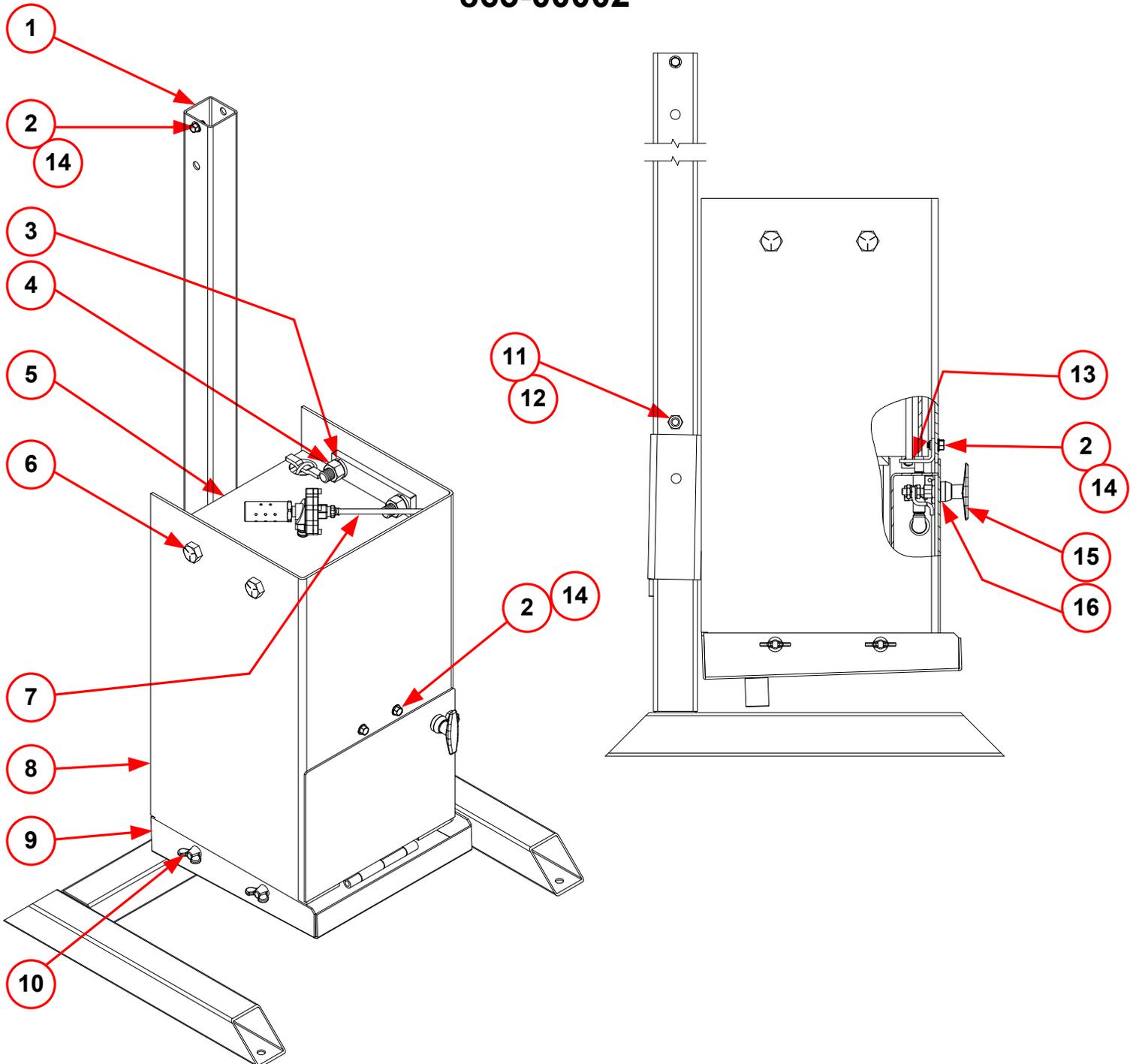
QP-50

Heavy Duty Spin-On Oil Filter Crusher

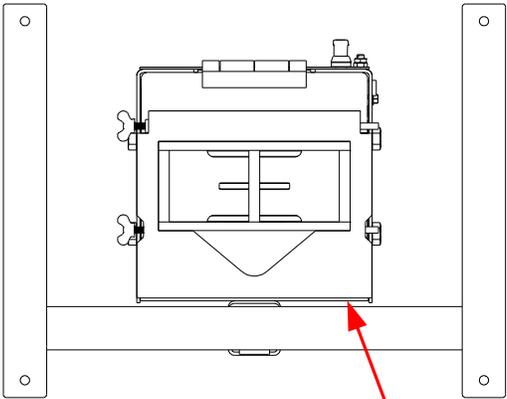
SN: 65-009049 and Above

SERIAL NUMBER REQUIRED ON ALL PARTS ORDERS

Final Assembly Parts List
865-00002

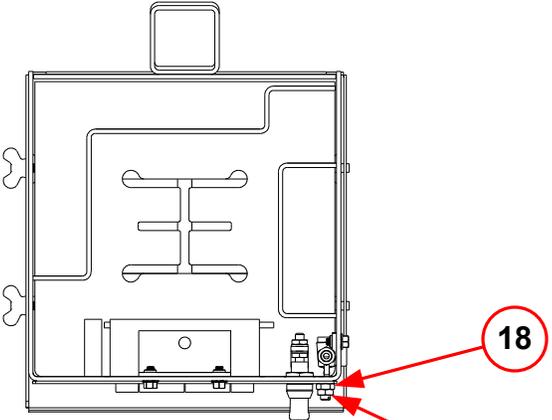


QP-50 865-00002



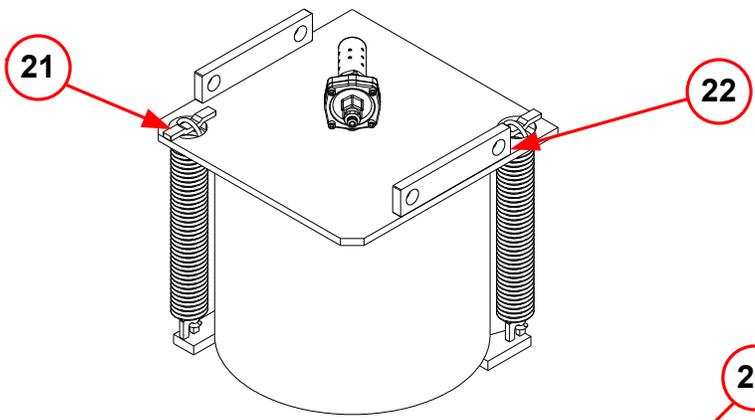
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Tray omitted from view to show orientation of gasket.
Gasket is used as a splash guard – not a filter.



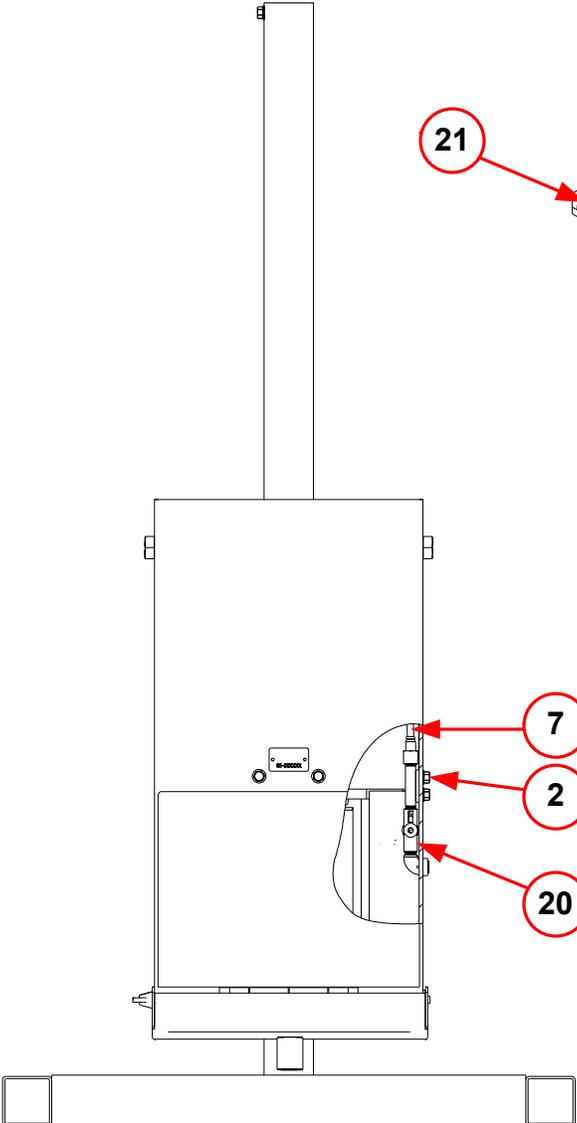
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Top view with parts omitted for clarity.



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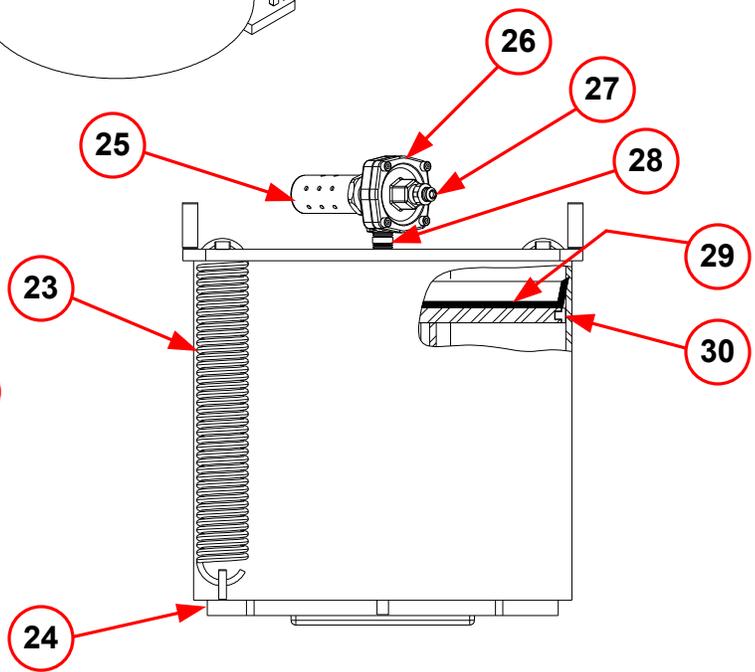


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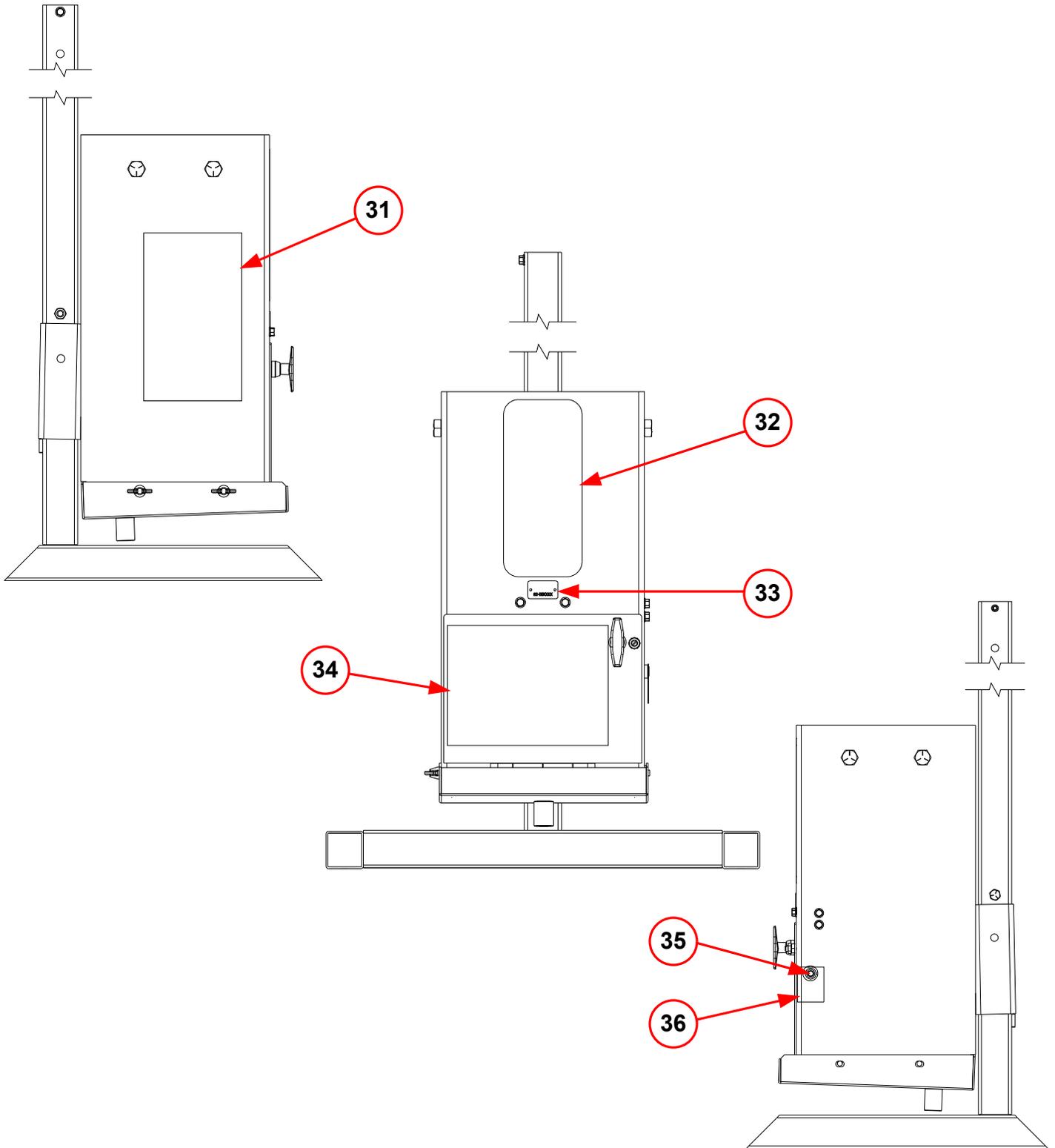
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QP-50 Placards



Final Assembly Parts List

QP-50 865-00002

Item	Qty.	Part Number	Description	Kit
1	1	859-02009	Base Weldment	
2	5	202-01106	Capscrew, Hex Head, Flange Lock, 5/16-18 UNC, 5/8" Long	
3	4	204-11700	Washer, Lock, Split Type, 3/4"	
4	4	203-01701	Nut, Hex, 3/4" - 10UNC	#
5	1	N/A	Cylinder Subassembly	
6	4	200-31711	Capscrew, Hex Head, 3/4"-10UNC, 2 1/4" Long	
7	1	8082-30024	Tubing, Nylon, 1/4" OD x .035 Wall, 18" Long	
8	1	N/A	Chamber Crushing Weldment	
9	1	865-02005	Tray Weldment	
10	2	202-01223	Wing Screw, 3/8 – 16UNC, 1" Long	
11	1	200-31416	Capscrew, Hex Hed, 1/2-13UNC, 3 1/2" Long	
12	1	203-01403	Nut, Hex 1/2-13, Self Locking	
13	1	865-04030	Rod Guide	
14	5	203-61101	Threaded Insert, Rivet Nut, 5/16-18 UNC	
15	1	232-20143	Vice Action T-Handle Latch	
16	1	865-04025	Handle Spacer	
17	1	390-21010	Gasket, Splash Guard	
18	1	203-11204	Nut, Hex, Special, Jam, 7/16 – 14 UNC	
19	1	201-31207	Set Screw, Slot, HD Less, 7/16 – 14 UNC	
20	1	859-01001	Air Valve Assembly	
21	2	859-04039	Spring Retainer	
22	1	N/A	Cylinder Weldment	
23	1	315-00005	Muffler	
24	2	233-07004	Spring, Extension, 1.688 OD, 9" Long	#
25	1	865-02006	Piston/Rod/Top Platen Weldment	
26	1	312-01010	Exhaust Valve, 3/8" Ports	
27	1	274-14002	Male Connector, 3/8 NPTF	
28	1	275-02001	Nipple, 3/8, 1.5" Long	
29	1	391-05007	Packing, Molded, 12" Dia.	
30	2	390-16001	Wiper Ring Half, 12" Bore	
31	1	N/A	Information Placard, Operating Instructions	
32	1	N/A	Identification Placard, QP-50	
33	1	N/A	Serial Number Tag	
34	1	N/A	Information Placard, Operating Instructions	
35	1	680-00021	Closure, Plastic, Tapered, (1/4 NPT Plug)	
36	1	N/A	Information Placard, Quick Coupler	

Available Kits

#	1	8865-01002	Comp. Spring Kit, Includes Spring Tool – Does NOT include Retainers	#
	1	8865-01008	Complete Decal Kit, items 31, 32, 34, 36	

OIL FILTER CRUSHERS TROUBLE SHOOTING

PROBLEM: WILL NOT CRUSH FILTERS /INADEQUATE CRUSHING ACTION

Possible Solution:

- Not enough PSI. Recommend 160-200 PSI.
- Check cylinder, airline, and air valve for leaks. Repair any leaks.
- Exhaust valve on tope of unit is dirty or bad. Take apart & clean valve diaphragm or replace if needed.
- Set screw on door is not actuating air valve. Adjust set screw.
- Crushing filters with steel pipe on the inside. This unit will not crush this type of filter.
- Crushing too many filters at one time or there is too big of height difference in the filters you are crushing at one time. Crush filters individually.

PROBLEM: RAM WILL NOT RETRACT/DOOR WILL NOT OPEN

Possible Solutions:

- Exhaust valve on tope of unit is dirty or bad. Take apart & clean valve diaphragm or replace if needed.
- Oil filters are jammed inside the unit. On the QP-50 you will need to remove the cylinder from the top of the machine. Remove jammed filters.
- Safety rod is bent – catching on the safety rod guide. Remove and replace piston rod weldment and rod guide.

PROBLEM: OIL LEAKS

Possible Solution:

- Filter may have tipped over inside the crusher or may be lying sideways.
- Filters are being crushed to quickly causing oil not to drain appropriately.
- Tray weldment is full & not draining properly or drain hole is plugged. Remove tray weldment, clean & remove any debris.