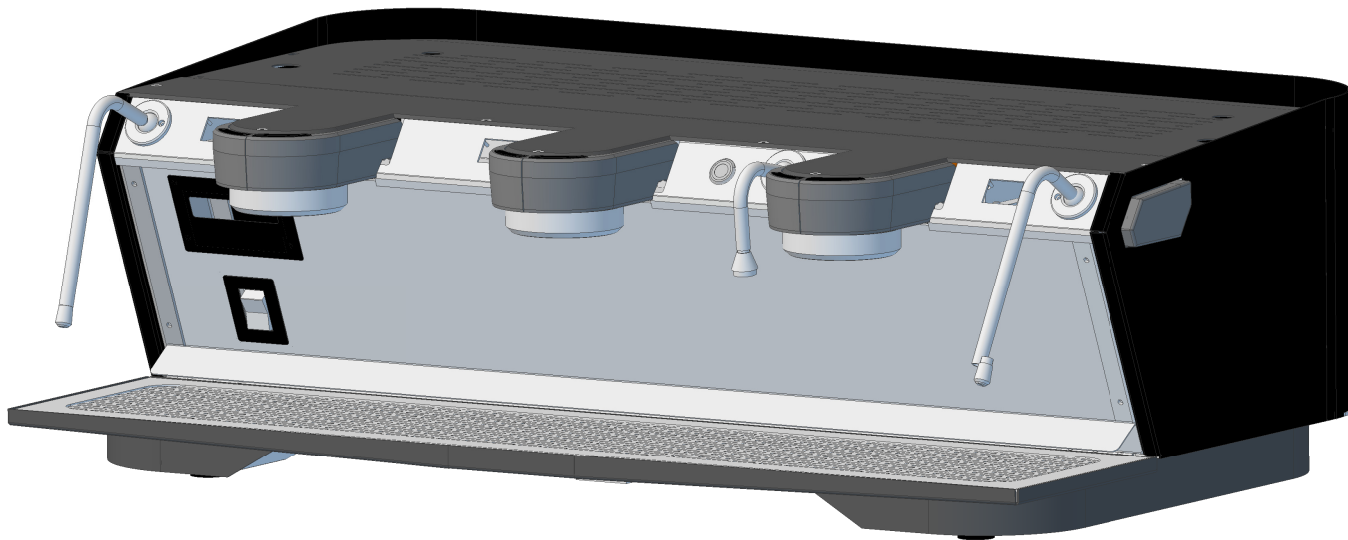




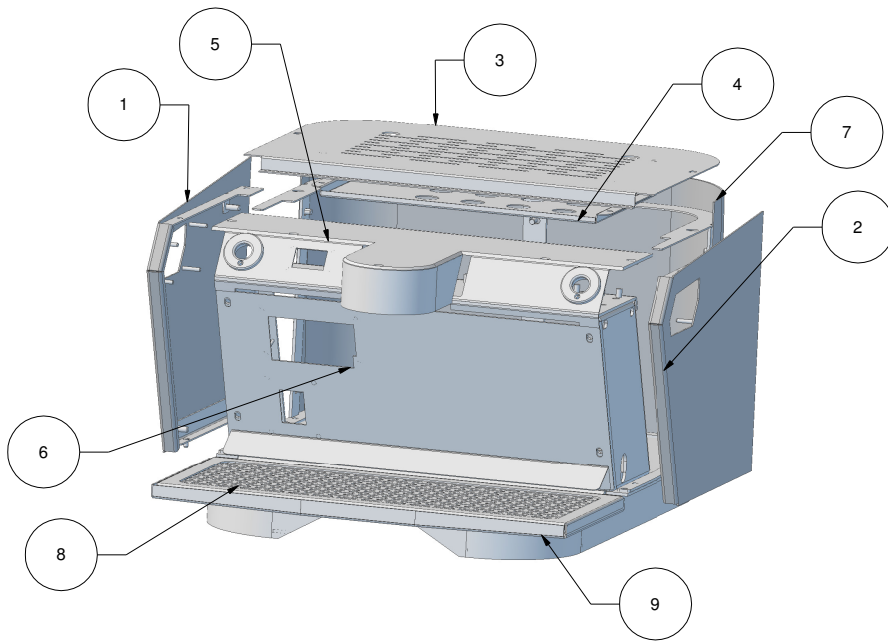
## **MACH SERIES PARTS DIAGRAM**



**VERSION 3 UPDATED 8/2022**



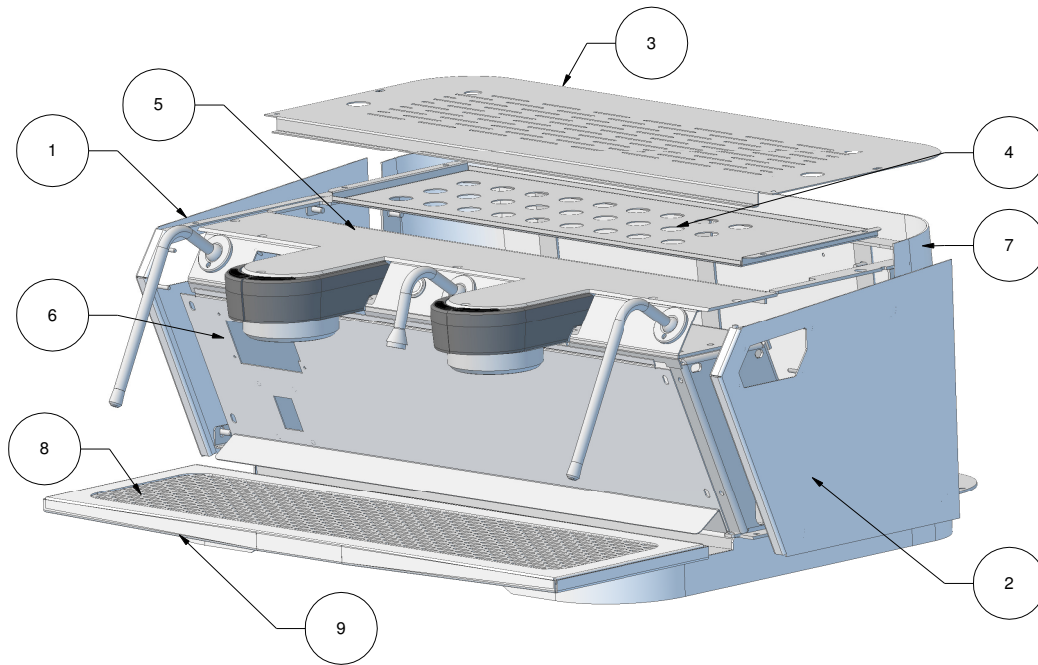
## MACH 1 PANELS



Item Number	Part Number	Part Name
1	MV-2000	Left Side Panel
2	MV-2001	Right Side Panel
3	MV-2002-1	Cup Tray 1 Group
4	MV-2002-L-1	Cup Tray 1 Lower
5	MV-2003-1	Group Top Cover 1 Group
6	MV-2004-1	Front Cover 1 Group
7	MV-2005-1	Back Panel 1 Group
8	MV-2006-1	Upper Drip Tray 1 Group
9	MV-2007-1	Lower Drip Tray 1 Group



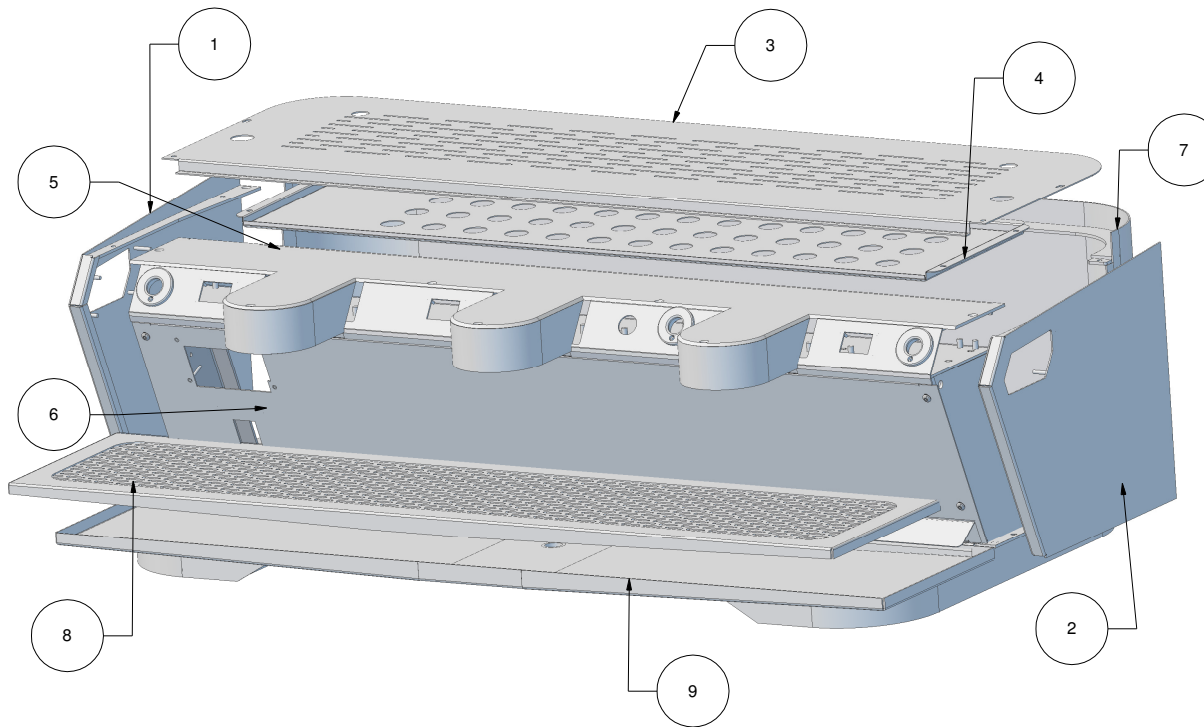
## MACH 2 GROUP PANELS



Item Number	Part Number	Part Name
1	MV-2000	Left Side Panel
2	MV-2001	Right Side Panel
3	MV-2002-2	Cup Tray 2 Group
4	MV-2002-L-2	Cup Tray 2 Group Lower
5	MV-2003-2	Group Top Cover 2 Group
6	MV-2004-2	Front Cover 2 Group
7	MV-2005-2	Back Panel
8	MV-2006-2	Upper Drip Tray 2 Group
9	MV-2007-2	Lower Drip Tray 2 Group



## MACH 3 GROUP PANELS

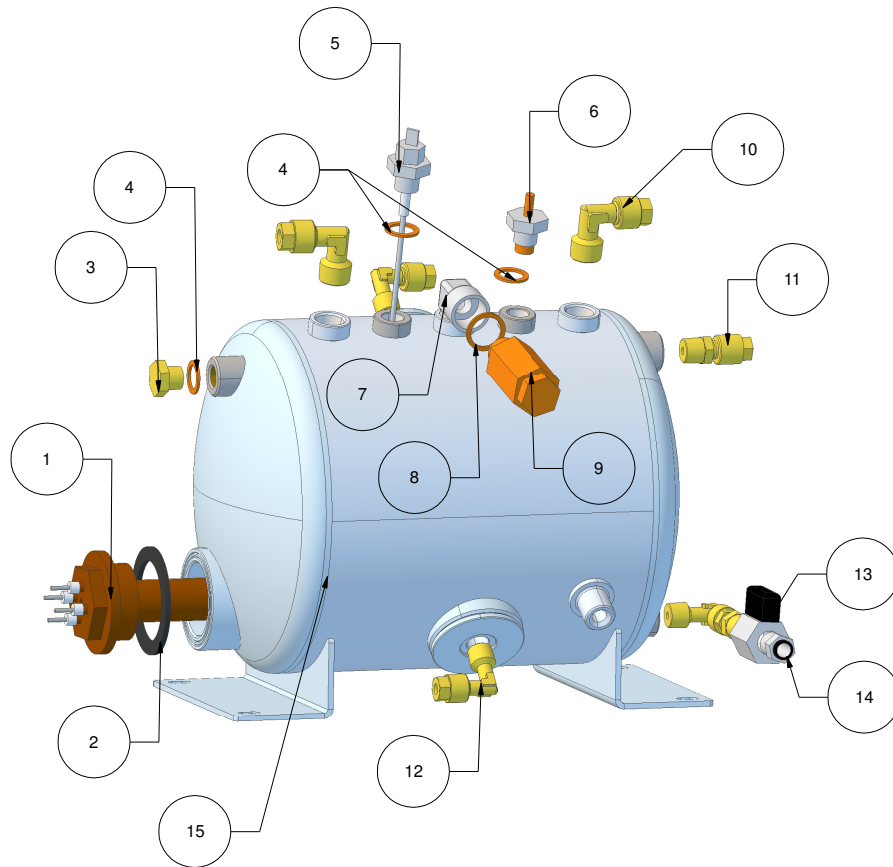


Item Number	Part Number	Part Name
1	MV-2000	Left Side Panel
2	MV-2001	Right Side Panel
3	MV-2002-3	Cup Tray 3 Group
4	MV-2002-L-3	Cup Tray Lower 3 Group
5	MV-2003-3	Group Top Cover 3 Group
6	MV-2004-3	Front Cover 3 Group
7	MV-2005-3	Back Panel 3 Group
8	MV-2006-3	Upper Drip Tray
9	MV-2007-3	Lower Drip Tray 3 Group





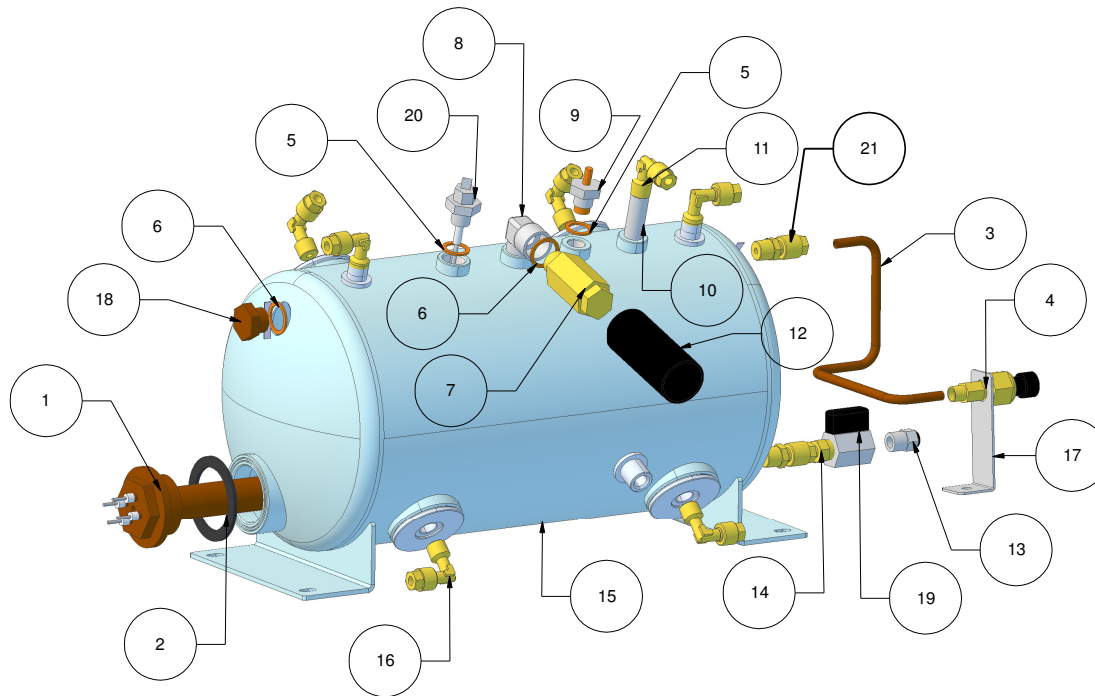
## MACH 1 BOILER



Item Number	Part Number	Part Name
1	MV-2008-1	1 Group Heating Element
2	MV-2111	Heating Element Gasket
3	MV-1076	1/4 Boiler Plug
4	MV-1063	1/4 Copper Washer
5	MV-1049	Autofill Probe
6	MV-1046	Purge Valve
7	MV-2010	3/8 x 3/8 Elbow
8	MV-1050	3/8 Copper Washer
9	MV-1051	Pressure Relief Valve
10	MV-2014	Steam / Hot Water Fitting
11	MV-1069	1/4 Straight Fitting
12	MV-1064	1/4 Elbow Fitting
13	MV-1168	1/4 Shut Off Valve
14	MV-1030	6mm Push In Fitting
15	MV-2184	1 Group Boiler



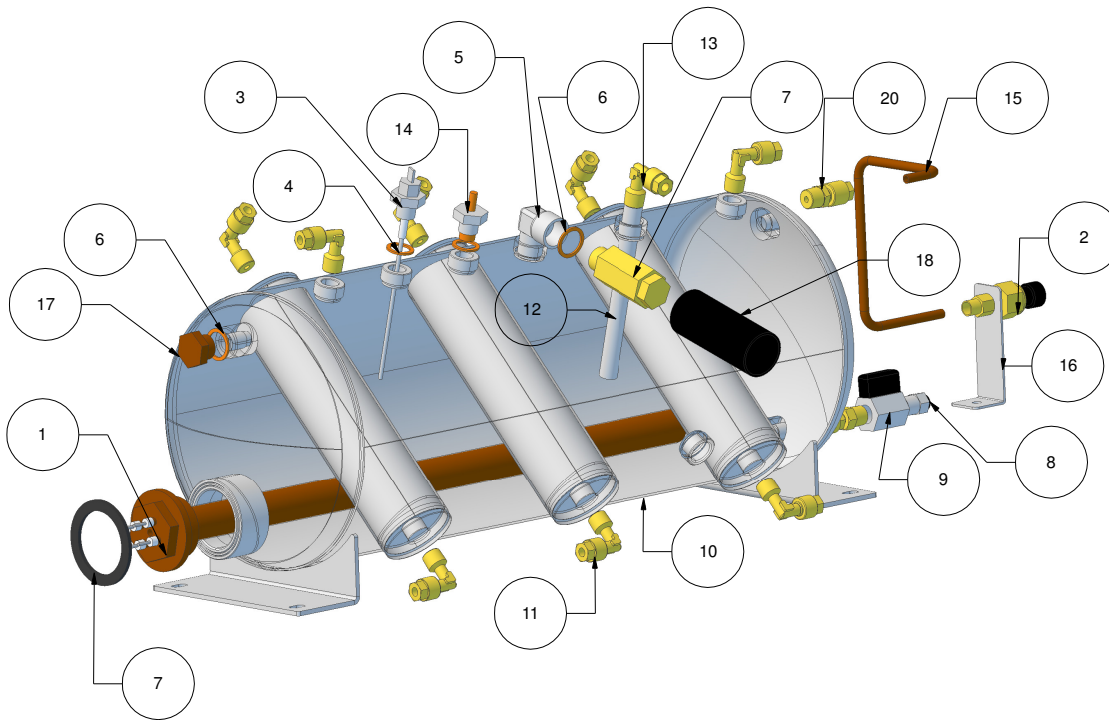
## MACH 2 GROUP BOILER



Item Number	Part Number	Part Name
1	MV-2009	Mach 2 2 Group Heating Element
2	MV-1079	Heating Element Gasket
3	MV-2120	2 Group Pressure Transducer Pipe
4	MV-1243	Pressure Transducer
5	MV-1063	1/4 Copper Washer
6	MV-1050	3/8 Copper Washer
7	MV-1051	Pressure Relief Valve
8	MV-2010	3/8 x 3/8 Elbow
9	MV-1046	Purge Valve
10	MV-1091	Hot Water Dip Tube
11	MV-2014	Mach 2 Hot Water Fitting
12	MV-2011	PRV Cover
13	MV-1038	1/4 x 6mm Push In Fitting
14	MV-1162	1/4 Adjustable Fitting
15	MV-2015	Mach 2 2 Group Boiler
16	MV-1064	1/4 Elbow Fitting
17	MV-1081	P-Stat Holder
18	MV-1076	3/8 Boiler plug
19	MV-1168	1/4 Shutoff Valve FF
20	MV-1049	Autofill Probe
21	MV-1069	1/4 Straight Fitting



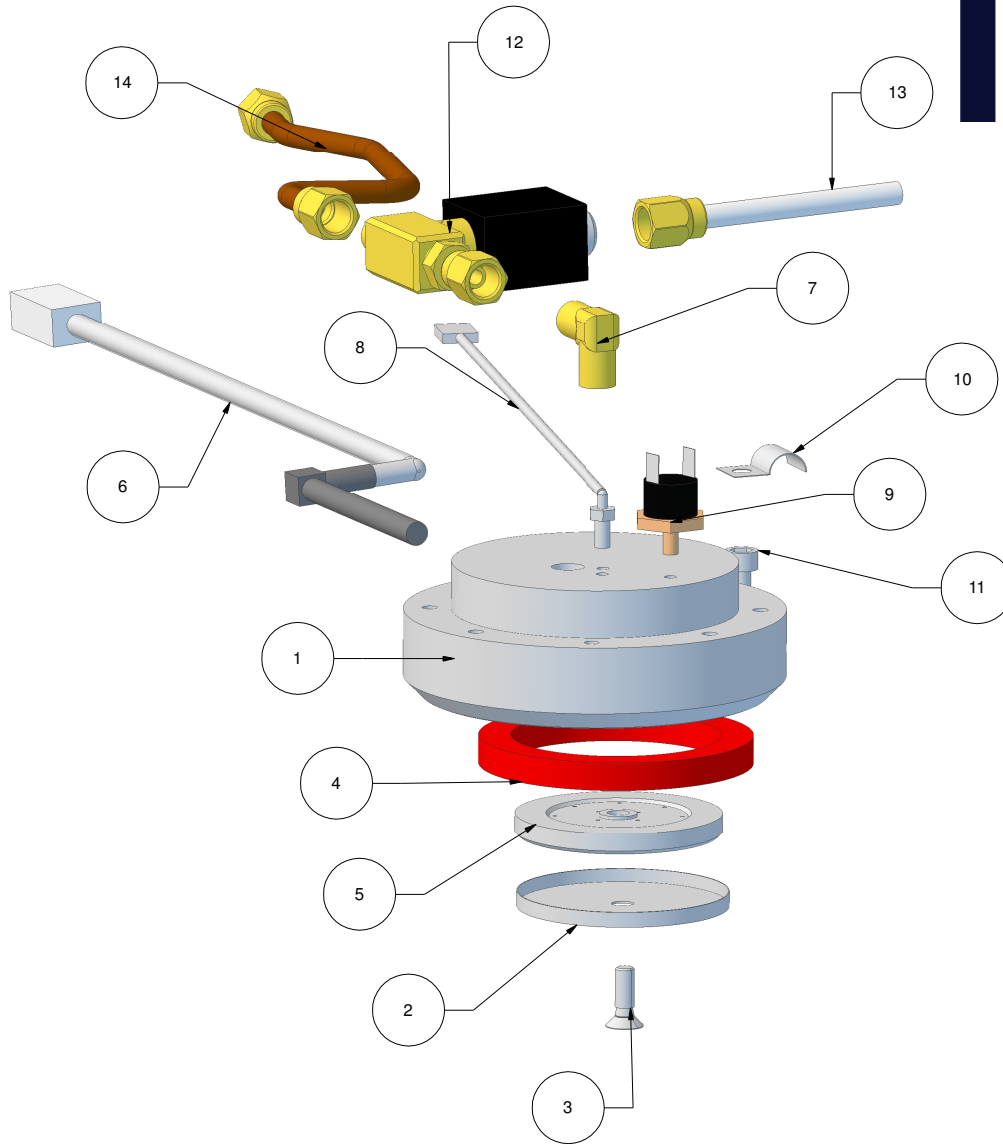
## MACH 3 GROUP BOILER



Item Number	Part Number	Part Name
1	MV-2008	Mach 2 3 Group Heating Element
2	MV-1243	Pressure Transducer
3	MV-1049	Auto Fill Probe
4	MV-1063	1/4 Copper Washer
5	MV-2010	3/8 to 3/8 Elbow Fitting
6	MV-1050	3/8 Copper Washer
7	MV-1051	Pressure Relief Valve
8	MV-1038	1/4 x 6mm Push In Fitting
9	MV-1168	1/4 Shut Off Valve
10	MV-2013	3 Group Steam Boiler
11	MV-1064	1/4 Elbow Fitting
12	MV-1091	Hot Water Dip Tube
13	MV-2014	Mach 2 Hot Water Fitting
14	MV-1046	Purge Valve
15	MV-2121	3 Group PressureTransducer Tube
16	MV-1081	Pressure Transducer Holder
17	MV-1076	3/8 Boiler plug
18	MV-2011	Pressure Relief Valve Cover
19	MV-1069	1/4 Straight Fitting



## MACH SERIES GROUP HEAD

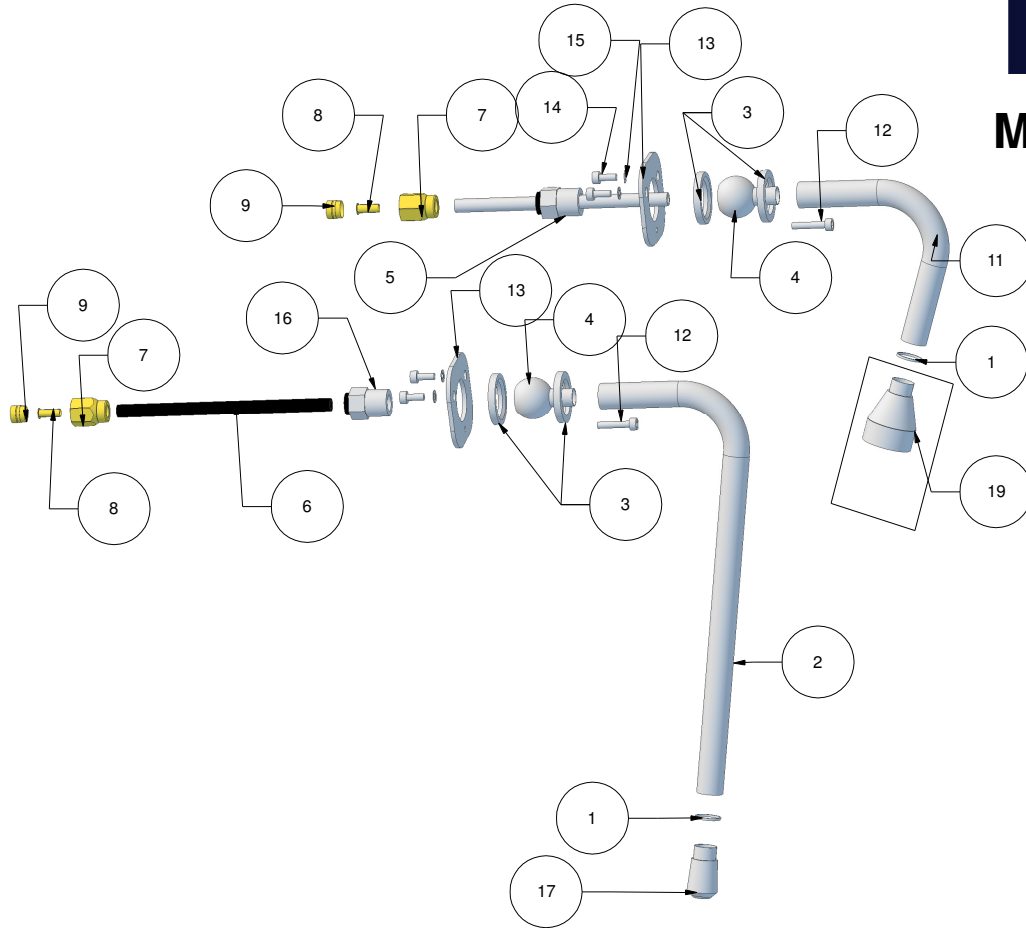


Item Number	Part Number	Part Name
1	MV-1005	Group Head
2	MV-1031	Group Screen
3	MV-1032	Group Screw
4	MV-1030	Group Gasket
5	MV-1029	Diffuser
6	MV-1007	Cartridge Heater
7	MV-1010	1/8 Brew Valve Elbow
8	MV-1008-M4	M4 RTD
9	MV-1048	135c Resetable High Limit
10	MV-1249	Cartridge Heater Clamp
11	MV-1032	Group Mounting Screw
12	MV-2122-C	Mach Brew Valve Complete
13	MV-2123	Mach Exhaust tube
14	MV-2161	Brew Valve Pipe **

\* Please Indicate Brew Valve Pipe Group # when ordering



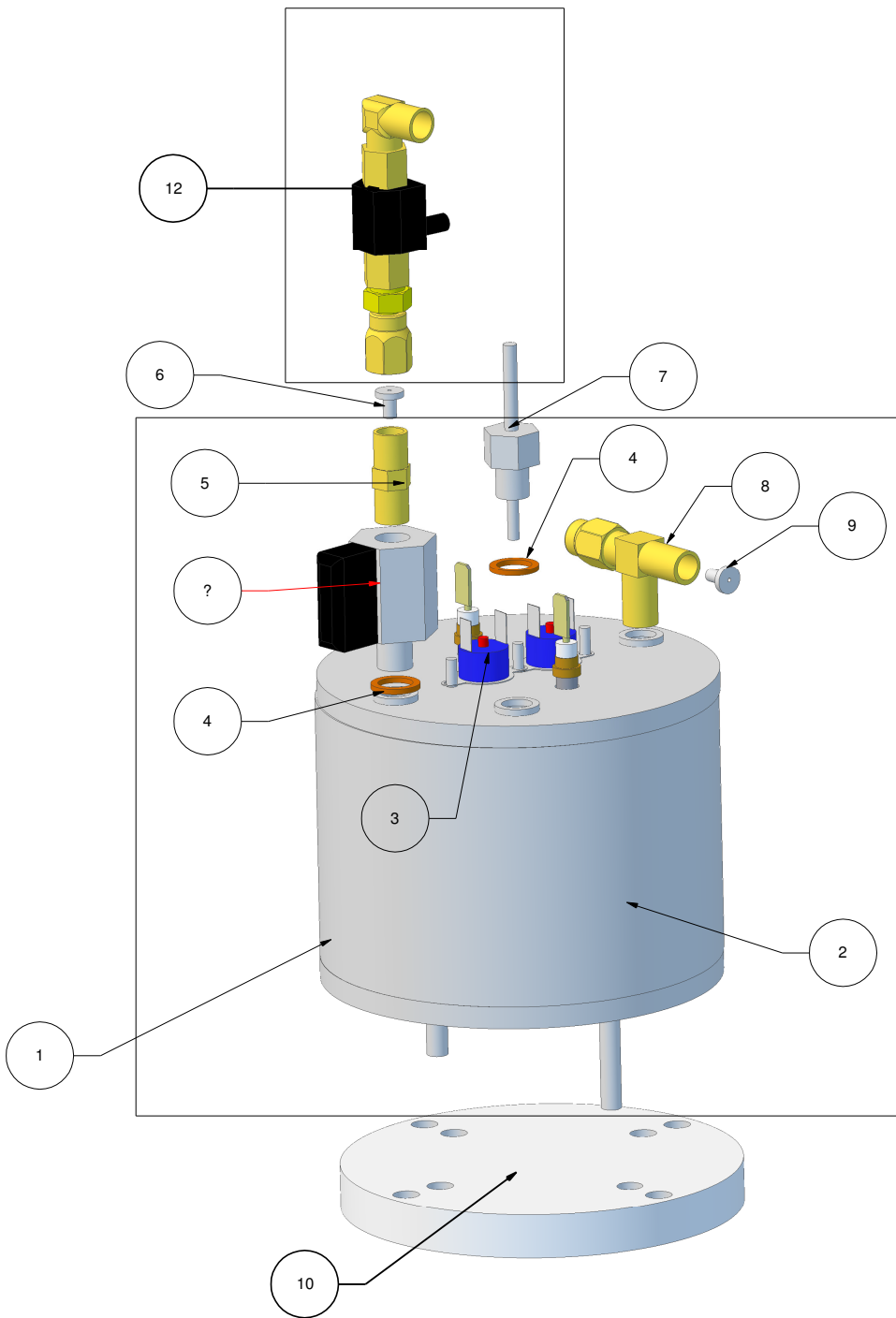
## MACH SERIES STEAM / HOT WATER WANDS



Item Number	Part Number	Part Name
1	MV-1111	Steam Wand O-ring
2	MV-2017-V	Mach 2 Steam Wand Vacuum
3	MV-1024	Steam and Hot Water Bushing
4	MV-1023	Wand Ball
5	MV-1038	1/4 x 6mm Push In Fitting
6	MV-2018	Steam Teflon Tube
7	MV-1082	1/8 Bsp Union Nut
8	MV-1203	6mm Tube Insert
9	MV-1171	6mm Ferrule
10	MV-1027	Hot Water Bell
11	MV-2019	Mach 2 Hot Water Wand
12	MV-9021	3mm x 16mm screw
13	MV-1025	Steam / Hot Water Plate
14	MV-9019	3mm x 8mm Screw
15	MV-9024	3mm Lock Washer
16	MV-2158	Steam Wand 6mm Fitting
17	MV-1026	Steam Wand Tip



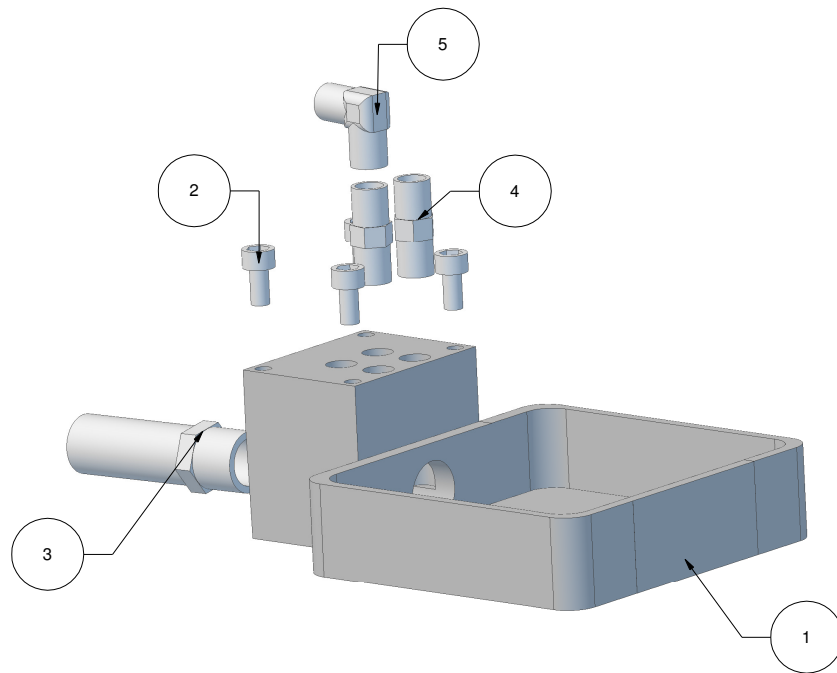
## MACH SERIES BREW BOILER



Item Number	Part Number	Part Name
1	MV-1254	Brew Boiler Complete
2	MV-1045	Brew Boiler
3	MV-1098	135c High Limit Resettable
4	MV-1059	1/8 Copper Washer
5	MV-1035	Straight 1/8 Fitting
6	MV-1028	.6mm flow restrictor
7	MV-1059	1/8 Bsp RTD
8	MV-1065	1/8 Bsp Tee
9	MV-1096	1.0mm Flow Restrictor
10	MV-1169	Brew Boiler Mounting Bracket
11	MV-6015	Mach Brew Boiler Mounting
12	MV-1276C-MS	Mach Series Flow Meter Complete



## MACH SERIES DRAIN MANIFOLD

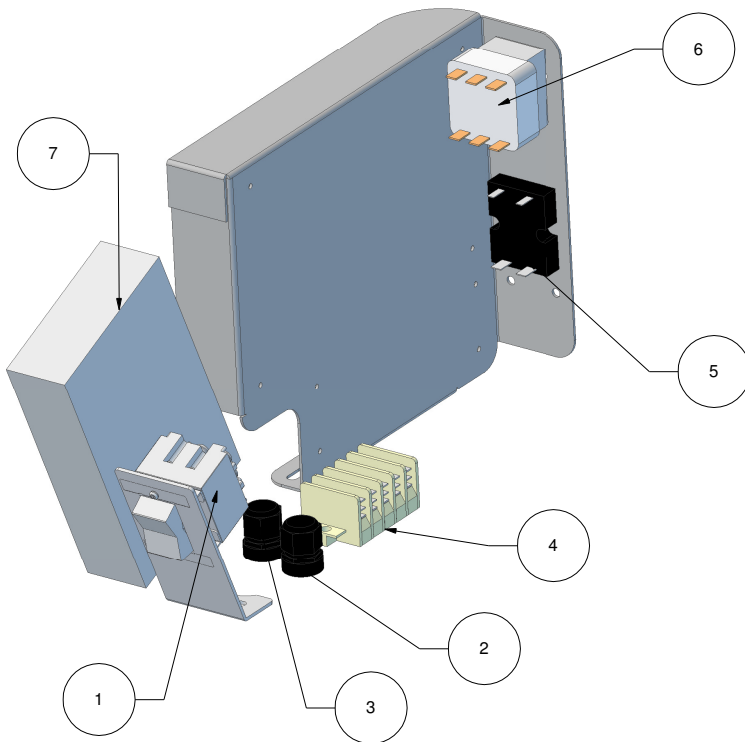


Item Number	Part Number	Part Name
1	MV-2045	Mach 2 Drain Manifold
2	MV-1032	5mm mounting Screw
3	MV-2046	Drain Fitting
4	MV-1035	Straight 1/8 Fitting
5	MV-1010	1/8 Brew Valve Elbow





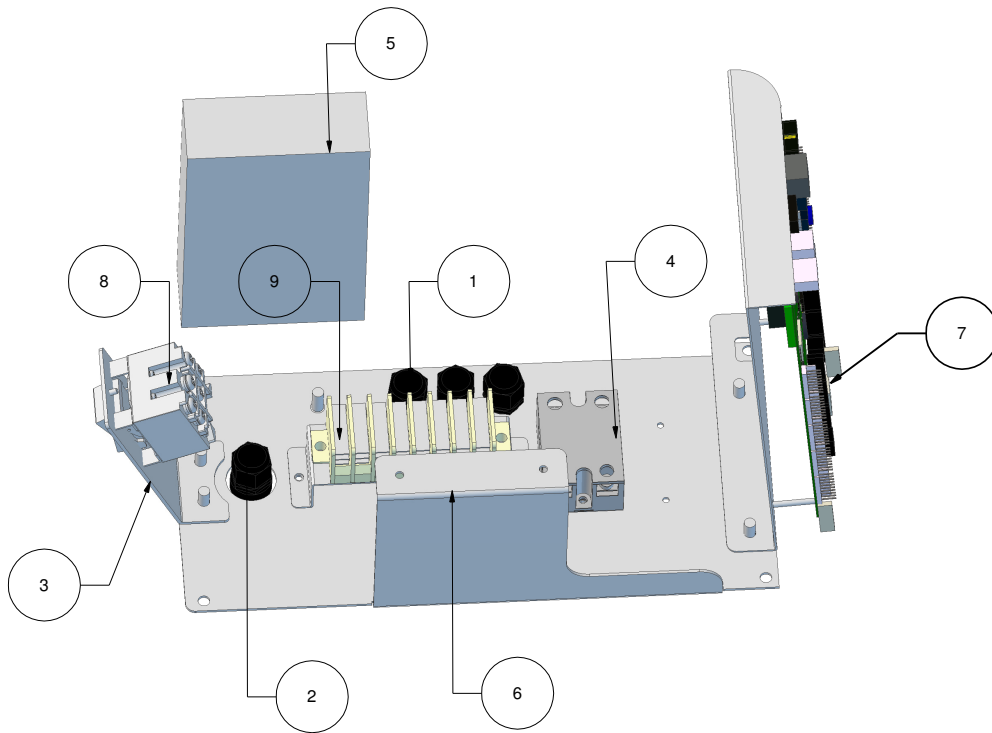
## MACH 1 ELECTRONICS



Item Number	Part Number	Part Name
1	MV-2056	Mach 2 Main Power Switch
2	MV-2054	Power Cord Strain Releif
3	MV-2053	Pump Strain Releif
4	MV-2185	Mach 1 Terminal Block
5	MV-1099-20amp	24vdc SSR 20amp
6	MV-1056	High Limit Steam Boiler
7	MV-2125	Meanwell RS 100



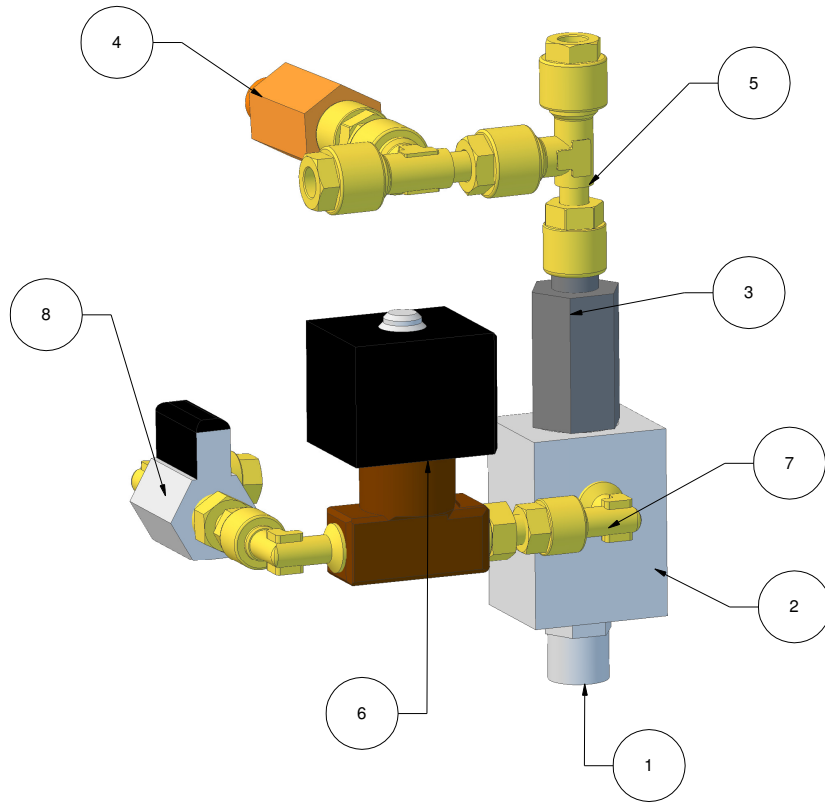
## MACH 2 AND 3 ELECTRONICS



Item Number	Part Number	Part Name
1	MV-2053	Pump Strain Relieif
2	MV-2054	Power Cord Strain Relieif
3	MV-2055	Mach 2 Power Switch Sheet Metal
4	MV-1206	SSR Steam Boiler
5	MV-2125	Meanwell RS 100
6	MV-2051	Mach 2 Electronics Manifold Sheet Metal
7	MV-2061	Mach 1,2 and 3 PCB
8	MV-2056	Mach 2 Main Power Switch 3 Pole
9	MV-2052	Mach 2 and 3 Terminal Block



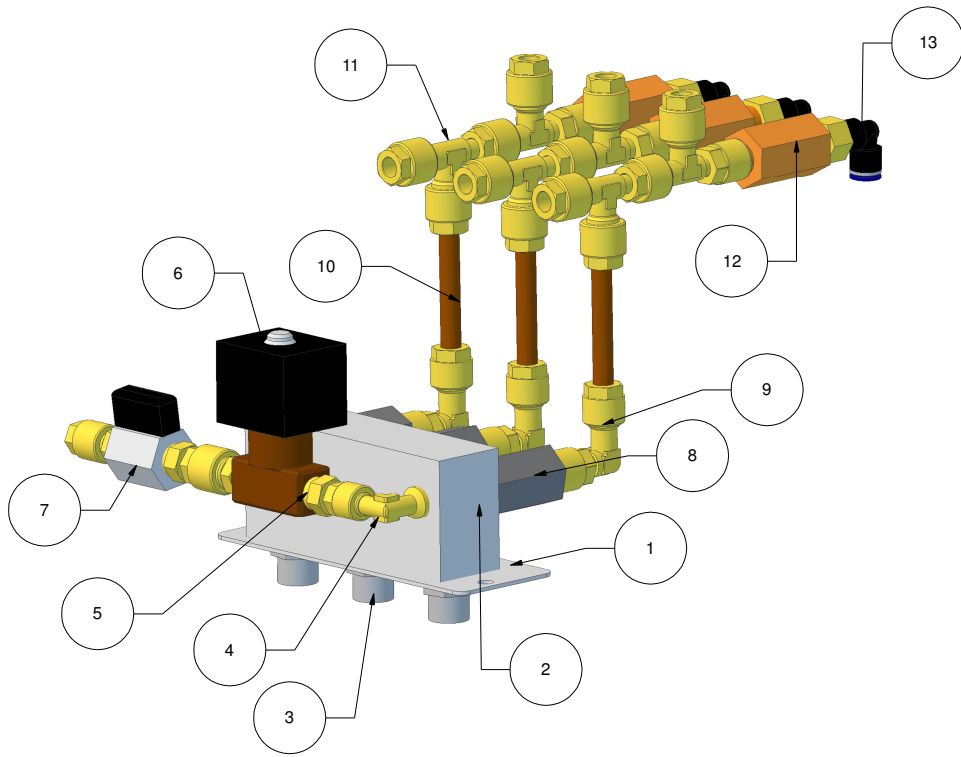
## MACH 1 HYDRAULIC MANIFOLD



Item Number	Part Number	Part Name
1	MV-1092	Incoming Water Fittings
2	MV-2186	Mach 1 Incoming Water Block
3	MV-1068	Check Valve
4	MV-1067	Expansion Valve
5	MV-1113	1/4 Adjustable Tee
6	MV-1164	Autofill 24v DC
7	MV-1064	1/4 Elbow Fittings
8	MV-1168	1/4 Shut Off Valve



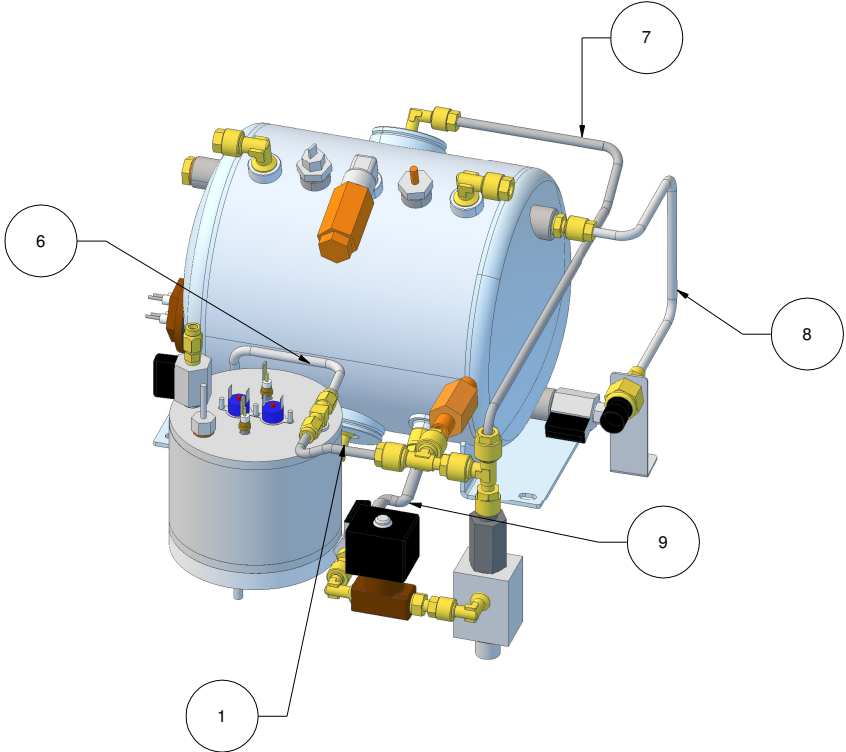
## MACH 2 and 3 HYDRAULIC MANIFOLD



Item Number	Part Number	Part Name
1	MV-2062	Mach 2 Group Hydraulic Manifold Sheet Metal
1	MV-2063	Mach 3 Group Hydraulic Manifold Sheet Metal
2	MV-2064	Mach 2 Group Incoming Water Block
2	MV-2065	Mach 3 Group Incoming Water Block
3	MV-1092	Incoming Water Fittings
4	MV-1064	1/4 Elbow Fittings
5	MV-1162	1/4 Swivel Fittings
6	MV-1164	Autofill Valve 24v DC
7	MV-1168	1/4 Shut Off Valve
8	MV-1068	Check Valve
9	MV-2183	1/4 Elbow Adjustable Tube
10	MV-2170	2.5" Pipe Incoming
11	MV-1113	1/4 Adjustable Tee
12	MV-1067	Expansion Valve
13	MV-1161	Expansion Valve Elbow 6mm Push In Fitting



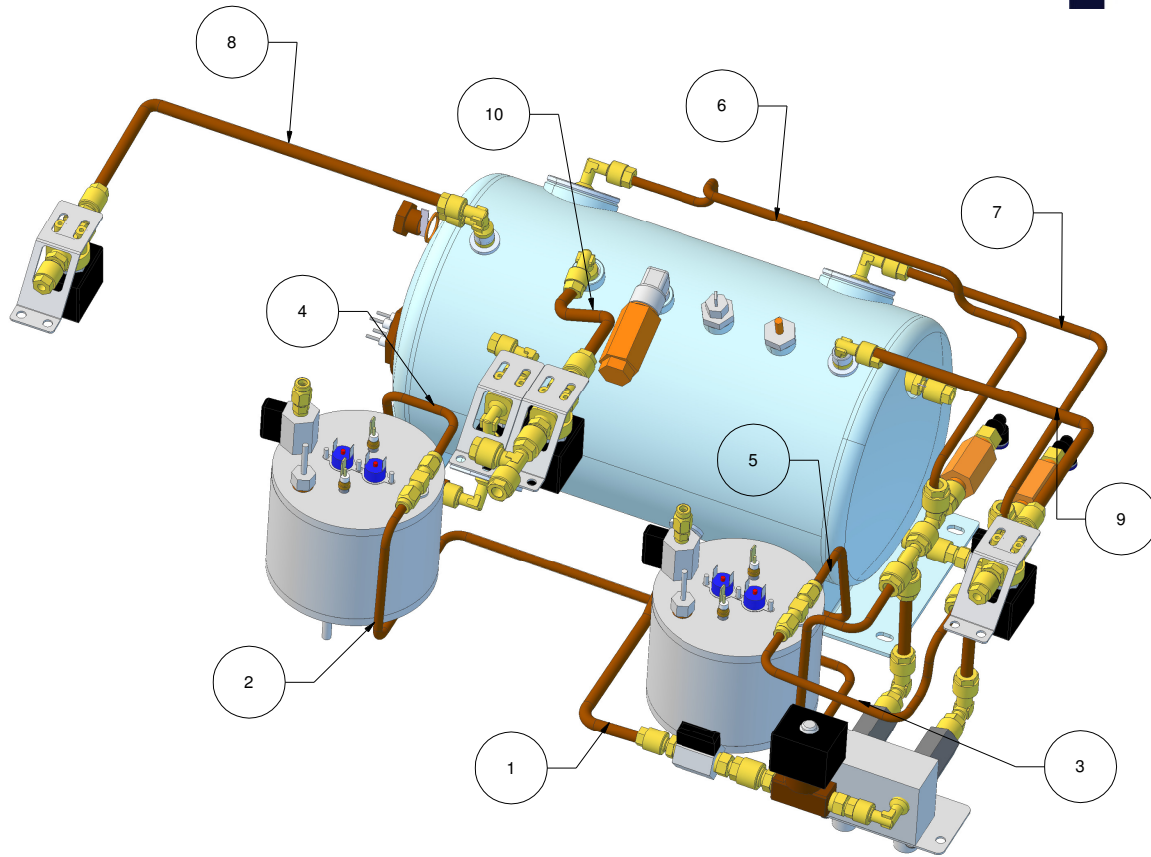
# MACH 1 PIPES



Item Number	Part Number	Part Name
1	MV-2152	Pipe Mach 1 group HX out
2	MV-2151	Pipe Mach 1 group HX IN
3	MV-2154	Pipe Mach 1 group Pressure Transducer Tube
4	MV-2150	Pipe Mach 1 Group Autofill
5	MV-2153	Pipe Mach 1 group Mixing



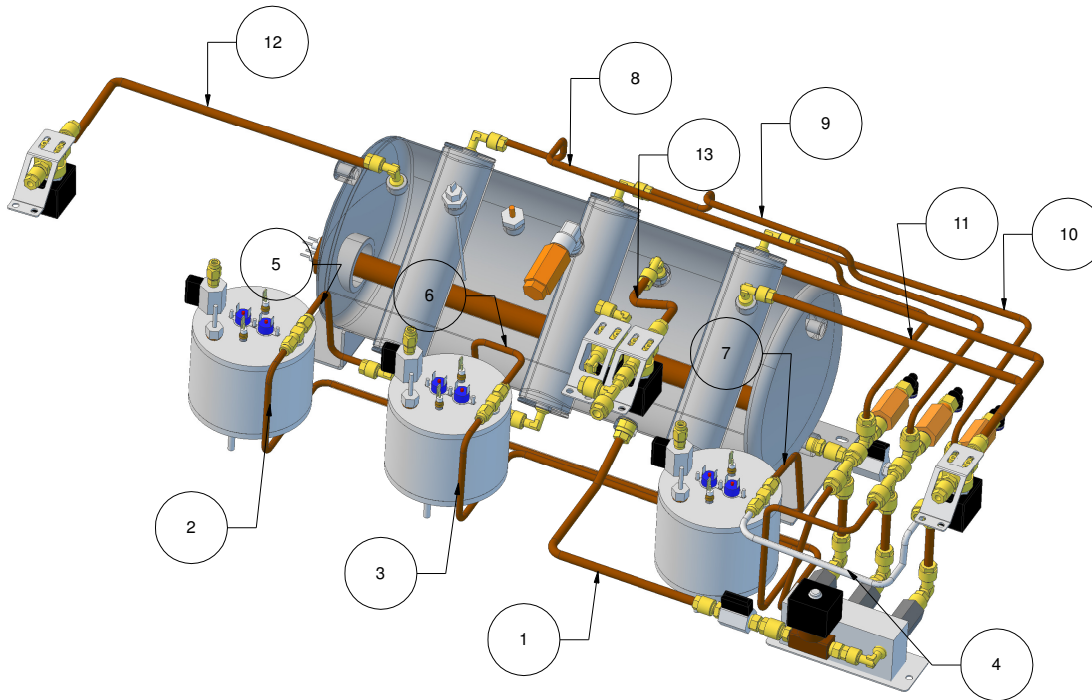
## MACH 2 GROUP PIPES



Item Number	Part Number	Part Name
1	MV-2086	Pipe Mach 2 Group Autofill
2	MV-2087-B	Pipe Mach 2 Group Mixing 1
3	MV-2096-B	Pipe Mach 2 Group Mixing 2
4	MV-2091	Pipe Mach 2 Group HX Out 1
5	MV-2128	Pipe Mach 2 Group HX Out 2
6	MV-2092-B	Pipe Mach 2 Group HX In 1
7	MV-2093-B	Pipe Mach 2 Group HX In 2
8	MV-2089	Pipe Mach 2 Group Left Steam
9	MV-2094	Pipe Mach 2 Group Right Steam
10	MV-2090	Pipe Mach 2 Group Hot Water



## MACH 3 GROUP PIPES



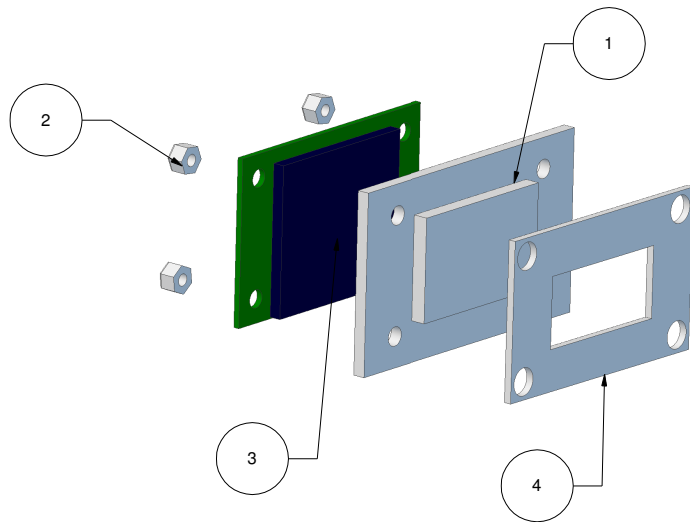
Item Number	Part Number	Part Name
1	MV-2070	Pipe Mach 3 Group Autofill
2	MV-2072-B	Pipe Mach 3 Group Mixing 1
3	MV-2071-B	Pipe Mach 3 Group Mixing 2
4	MV-2082-B	Pipe Mach 3 Group Mixing 3
5	MV-2073	Pipe Mach 3 Group HX out 1
6	MV-2081	Pipe Mach 3 Group HX out 2
7	MV-2080	Pipe Mach 3 Group HX out 3
8	MV-2076-B	Pipe Mach 3 Group HX In 1
9	MV-2077-B	Pipe Mach 3 Group HX In 2
10	MV-2078-B	Pipe Mach 3 Group HX In 3
11	MV-2079	Pipe Mach 3 Group Right Steam
12	MV-2075	Pipe Mach 3 Group Left Steam
13	MV-2083	Pipe Mach 3 Group Hot Water





## MACH SERIES DISPLAY

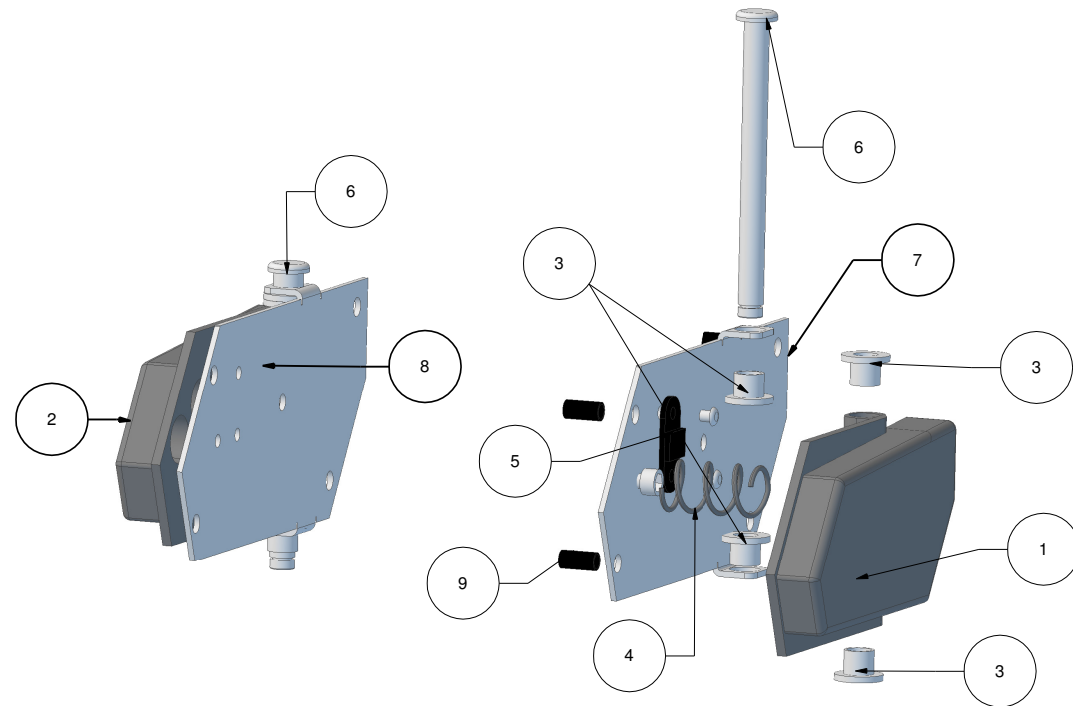
Item Number	Part Number	Part Name
1	MV-2044	Plastic Display Cover
2	HW-3mm Nut	3mm bolt
3	MV-1088	Display MAVAM
4	MV-2044	Mach 2 Display Spacer





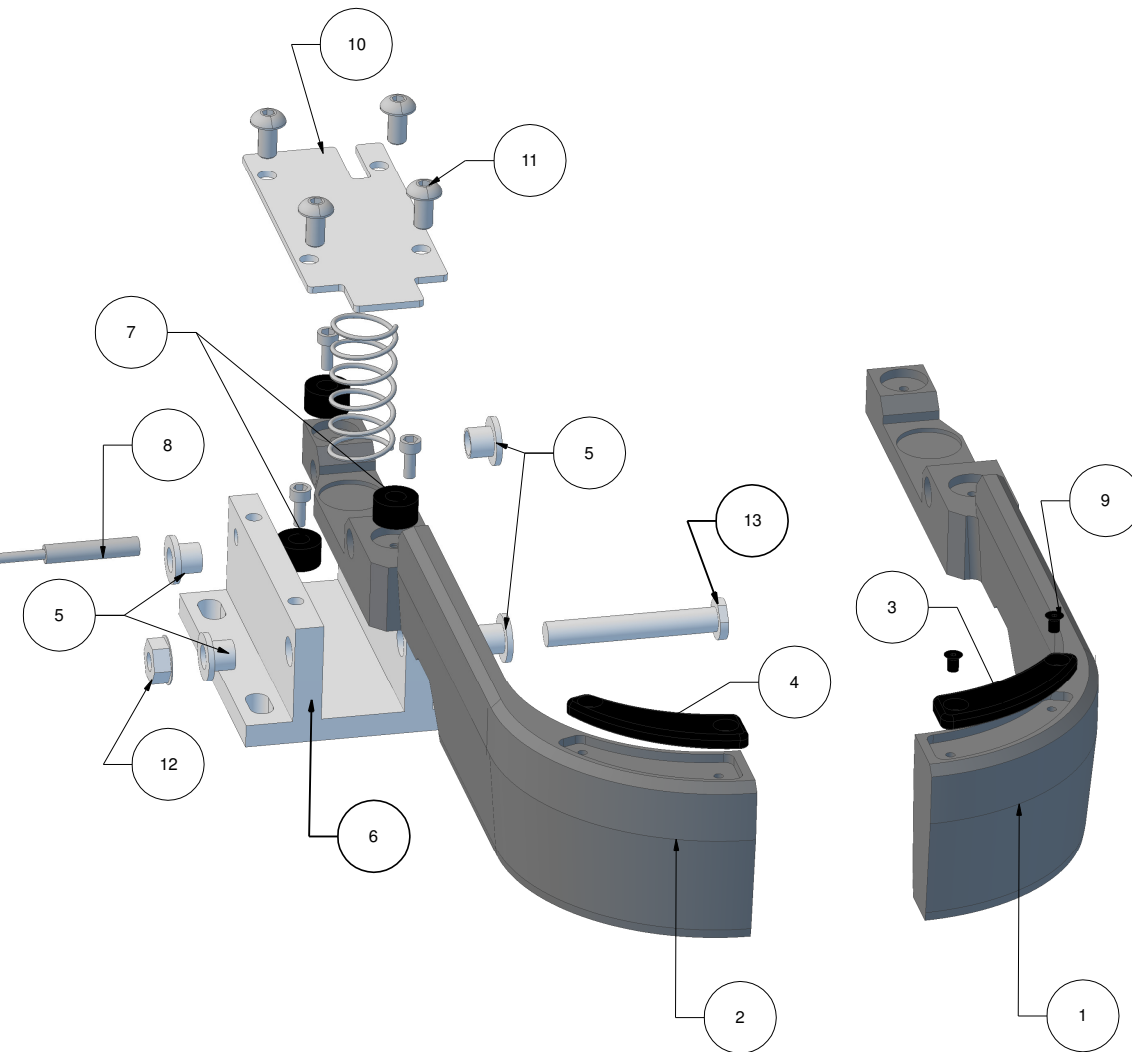
## MACH SERIES STEAM ACTIVATION

Item Number	Part Number	Part Name
1	MV-2020	Mach 2 Steam Lever Right
2	MV-2021	Mach 2 Steam Lever Left
3	MV-2022	Mach 2 Activation Bushings
4	MV-2024	Mach 2 Steam Activation Spring
5	MV-2025	Mach 2 Hall Effect Sensor
6	MV-2026	Mach 2 Activation Pin Steam
7	MV-2027	Mach 2 Right Steam Lever Activation SM
8	MV-2028	Mach 2 Left Steam Lever Activation SM
9	MV-2029	Mach 2 Steam Stand Offs

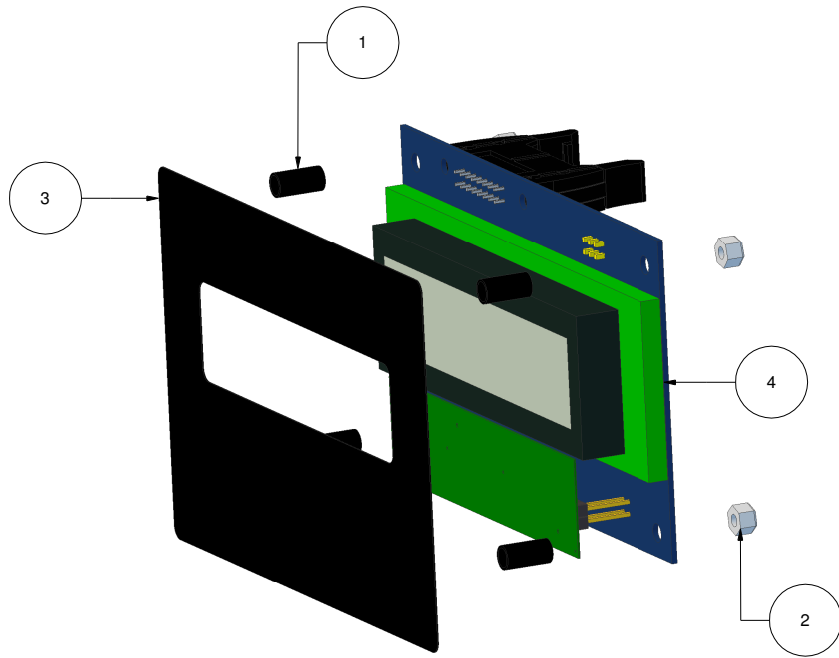




## MACH SERIES GROUP ACTUATORS

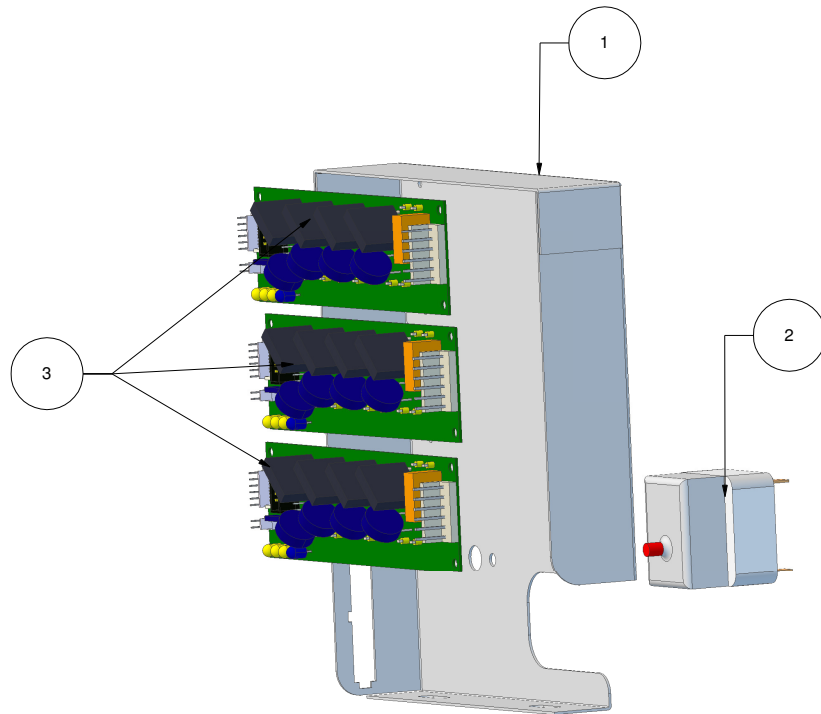


Item Number	Part Number	Part Name
1	MV-2030	Mach 2 Group Actuator Right
2	MV-2031	Mach 2 Group Actuator Left
18	Mv-2032	Mach 2 Group Actuator Right
3	MV-2033	Mach 2 Group Actuator Grip Left
4	MV-2034	Mach 2 Group Actuator Grip Screws
5	MV-2022	Mach 2 Activation bushing
6	MV-2035	Mach 2 activation mounting bracket
7	MV-2036	Mach 2 Rubber Stoppers
8	MV-2101	Reed Switch
9	MV-2039	3mm Button head screw
10	MV-2040	Mach 2 Group Activation Upper Cover
11	MV-1260	5mm Button Head Screw
12	HW-6mm Nut	6mm Nut
13	MV-2037	Mach 2 Activation Pin



## MACH 2 REMOTE DISPLAY

Item Number	Part Number	Part Name
1	MV-2125	Mach 2 Steam lever standoff
2	MV-9000	3mm bolt
3	MV-2126	Mach 2 Overlay
4	MV-2127	Remote Display Board

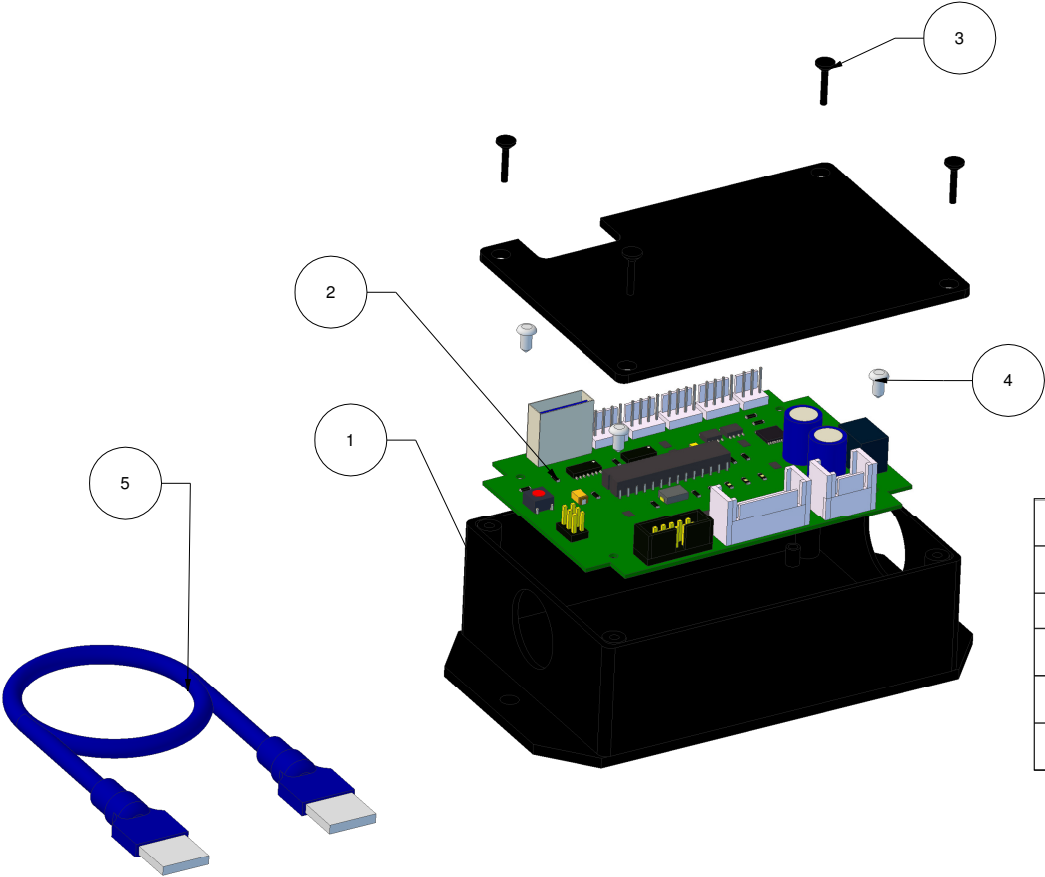


## Mach 2 2 and 3 Group Relay Board

Item Number	Part Number	Part Name
1	MV-2057	Mach 2 Relay Board Sheet Metal
2	MV-1056	3 Pole High Limit Switch
3	MV-2060	Mach 2 Relay Board PCB



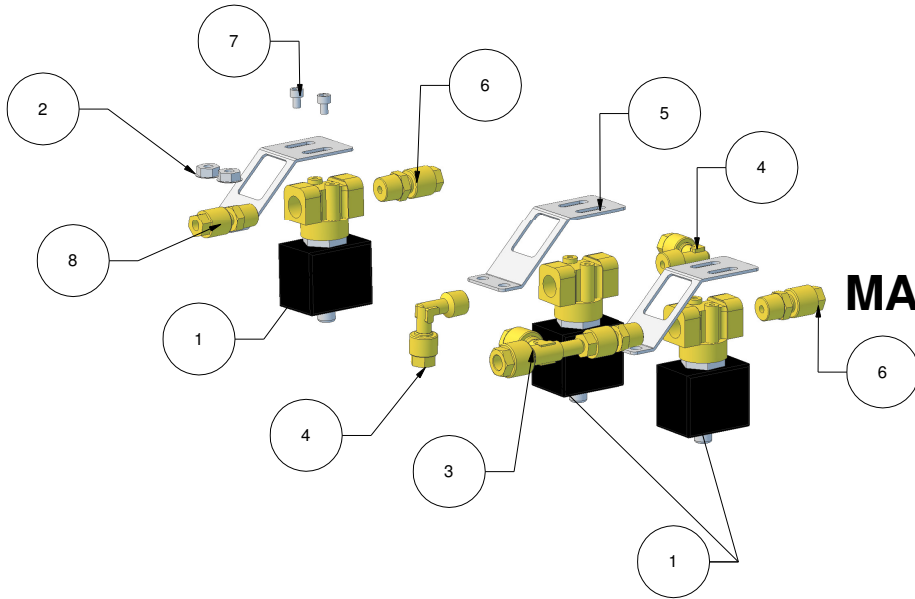
# UI BOARD



Item Number	Part Number	Part Name
1	MV-1197	UI Board Case
2	MV-1089	UI PCB
3	MV-1198	Board Case Cover Screw
4	MV-1199	UI Board Screw
5	MV-1090	USB 2.0

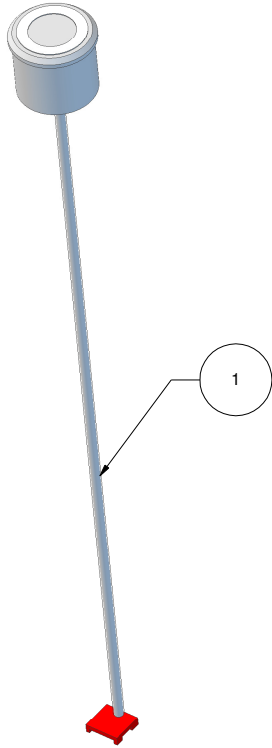


## MACH 2 STEAM, HOT WATER AND MIXING VALVE



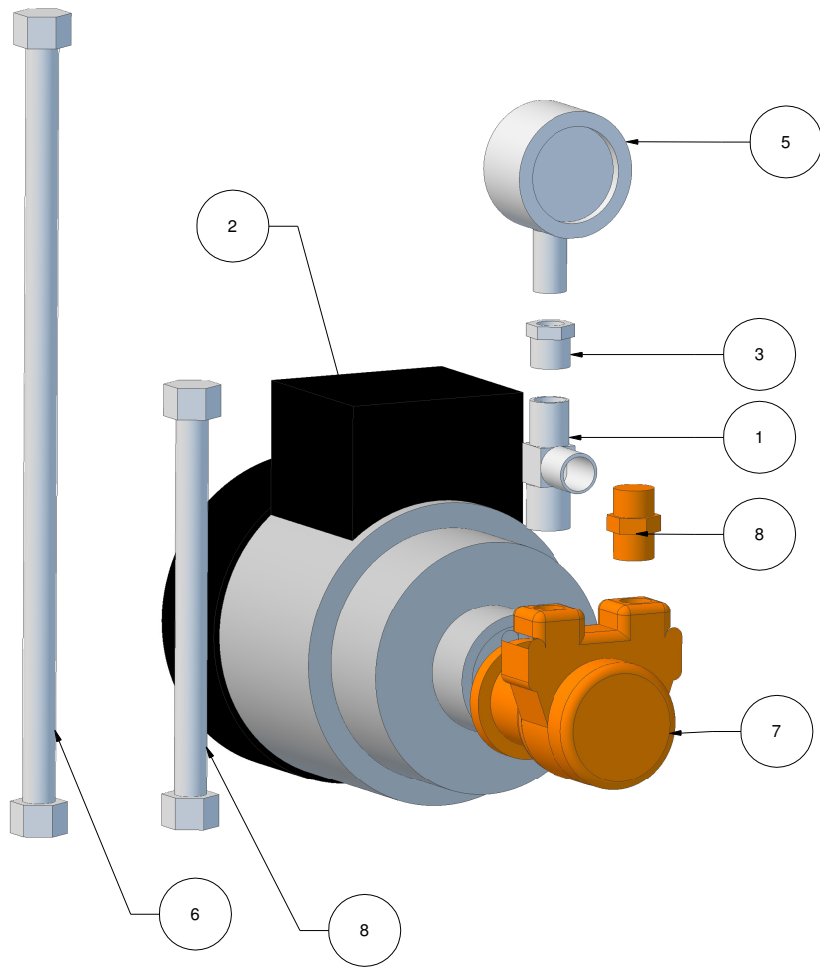
Item Number	Part Number	Part Name
1	MV-1164	Steam, Hot Water and Mixing Valve
2	HW-6mm Nut	6mm Nut
3	MV-1113	1/4 Serto Adjustable Tee
4	MV-1162	1/4 Elbow Fitting
5	MV-2043	Steam Hot Water Mounting Bracket
6	MV-1069	1/4 Straight Fitting
7	HW-4mm x 6mm	4mm x 6mm Screw
8	MV-1070	1/4 x 1/8 Straight Serto Fitting





## PIEZO HOT WATER SWITCH

Item Number	Part Number	Part Name
1	MV-1016-PZ-SS	22mm Piezo Switch



## MACH 2 PUMPS

Item Number	Part Number	Part Name
1	MV-1106	Pump Tee
2	MV-1101	Pump Motor
3	MV-1105	Gauge Reducing Fitting
4	MV-1103-2FT	Incoming Supply Hose
5	MV-1107	Pump Gauge
6	MV-1103-5FT	Outgoing Supply Hose
7	MV-1100	Pump Head
8	MV-1104	Incoming Water Pump Fitting