

Figure 2 – Inlet Manifold

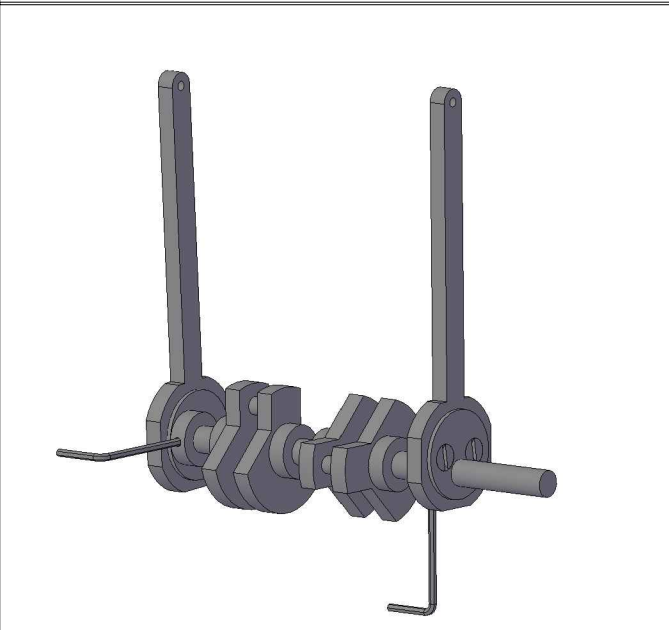


Figure 3 – Eccentric/Valve Setting

No.	Qty	Description	Material
1	1	Vertical Twin Base Plate	Steel
2	2	Vertical Tube Slider	Brass
3	1	Flywheel Twin Cylinder	Brass
4	1	Twin Cylinder Crank	Steel
5	2	Con Rod Bearing Keep	Steel
6	2	Connecting Rod	Stainless Steel
7	4	Con Rod Bearing Halves	Bronze
8	2	Slider Pin	Steel
9	1	Vertical Twin Top Plate	Steel
10	4	Vertical Columns	Steel
11	2	Eccentric Wheel	Steel
12	2	Eccentric Wheel Plate	Steel
13	2	Eccentric Rod	Brass
14	2	Valve	Stainless Steel
15	2	Chest	Brass
16	2	Chest Plug	Brass
17	2	Packing Nut	Brass
18	2	Piston Shaft Packing (not inc.)	PTFE Tape
19	2	Piston	Brass
20	2	Piston Shaft	Stainless Steel
21	4	Piston Ring	Teflon
22	2	Cylinder	Brass
23	2	Cylinder Plate Inner	Brass
24	2	Cylinder Plate End	Brass
25	3	Main Bearing Upper	Bronze
26	3	Main Bearing Lower	Bronze
27	2	Vertical Slider Tube	Steel
28	8	Cap Screw M3 x 45mm	Steel
29	14	Cap Screw M3 x 18mm	Steel
30	8	Cap Screw M3 x 12mm	Steel
31	4	M3 Nut	Steel
32	10	Bolt M2 x various	Steel
33	6	M2 Nut	Steel
34	8	Cap Screw M5 x 12mm	Steel
35	4	Counter Sunk Screw M3	Steel
36	2	M3 Grub/SetScrew x 3mm	Steel
37	1	M3 Grub/SetScrew x 4mm	Steel
38	4	Manifold	Brass
39	1	Inlet Tee	Brass
40	1	Inlet Elbow	Brass
41	1	Link Pipe	Brass
42	1	Inlet Pipe	Brass

Drawn By: Simon Rowley	Checked By:	File Name: Vert Twin v2 Assembly	Date: Sept 2018	Scale: N/A
Copyright: Chiltern Model Steam		Part: Vertical Twin Cylinder Marine Engine v2 Assembly Instructions		
		Material: N/A	Rev: 2.0	Part: N/A

Figure 1 – Assembly