

Figure 1 – Assembly

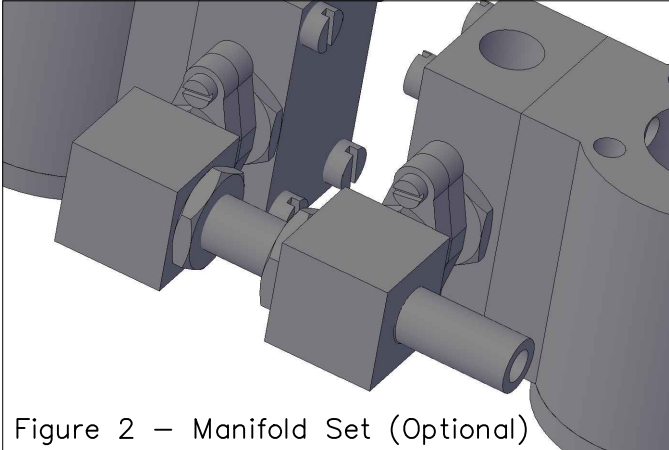


Figure 2 – Manifold Set (Optional)

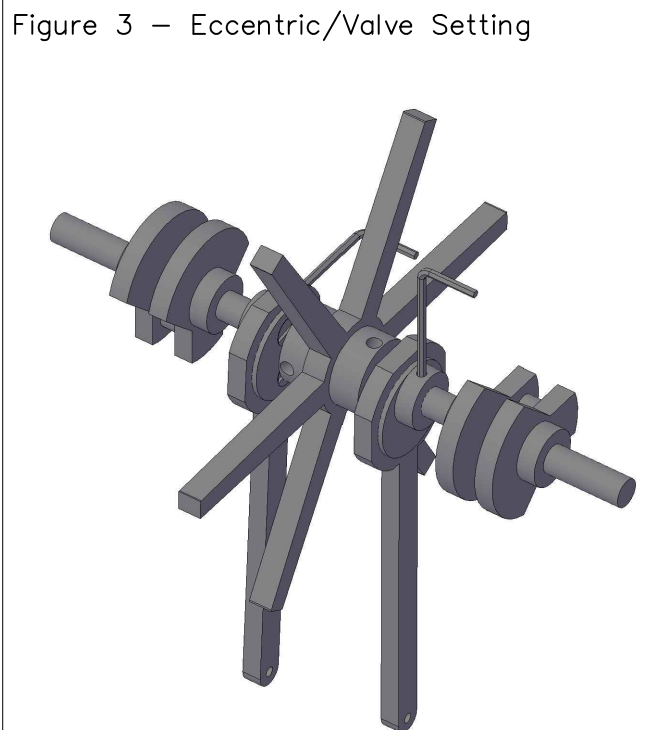


Figure 3 – Eccentric/Valve Setting

No.	Qty	Description	Material
1	1	Bitsa Twin 2 Base Plate	Steel
2	2	Bitsa Twin 2 Top Plate	Steel
3	4	Bitsa Twin Legs	Steel
4	2	Vertical Tube Slider and Pin	Brass/S Steel
5	1	Beam Flywheel	Steel
6	2	Single Cylinder Crank	Steel
7	2	Con Rod Bearing Keep	Stainless Steel
8	2	Connecting Rod	Stainless Steel
9	4	Con Rod Bearing Halves	Bronze
10	4	Main Bearing Support	Steel
11	2	Bitsa Twin 2 Mid Plate	Steel
12	4	Beam Columns	Steel
13	2	Eccentric Wheel	Steel
14	2	Eccentric Wheel Plate	Steel
15	2	Eccentric Rod	Brass
16	2	Valve	Stainless Steel
17	2	Chest	Brass
18	2	Chest Plug	Brass
19	2	Packing Nut	Brass
20	2	Piston + 2 x Piston Rings	Brass/Teflon
21	2	Piston Shaft	Stainless Steel
22	1	Pulley Wheel (Optional)	Steel
23	2	Cylinder	Brass
24	2	Cylinder Plate Inner	Brass
25	2	Cylinder Plate End	Brass
26	4	Main Bearing Upper	Bronze
27	4	Main Bearing Lower	Bronze
28	2	Vertical Slider Tube	Steel
29	8	Cap Screw M3 x 50mm	Stainless Steel
30	16	Cap Screw M3 x 10mm	Stainless Steel
31	8	Cap Screw M3 x 30mm	Stainless Steel
32	8	Cap Screw M3 x 16mm	Stainless Steel
33	12	M3 Nut	Stainless Steel
34	4	Cap Screw M5 x 10mm	Stainless Steel
35	6	Cap Screw M2 x 10mm	Stainless Steel
36	2	M2 Nut	Stainless Steel
37	4	Counter Sunk Screw M3	Stainless Steel
38	6	M3 Grub/SetScrew various	Stainless Steel
39	4	M10 Threaded Rod, Nut + Washer	Stainless Steel
40	6	1/4" Nut	Brass
41	1	Inlet Stub Pipe (Optional)	Brass
42	4	Manifold + M2 Screw (Optional)	Brass
43	1	Inlet Tee (Optional)	Brass
44	1	Inlet Elbow (Optional)	Brass
45	1	Link Pipe (Optional)	Brass

Drawn By: Simon Rowley	Checked By:	File Name: Bitsa Twin 2 Assembly	Date: Feb 2021	Scale: N/A
Copyright: Chiltern Model Steam		Part: Bitsa Twin 2 Cylinder Engine Assembly Drawing		
		Material: N/A	Rev: 1.0	Part: N/A