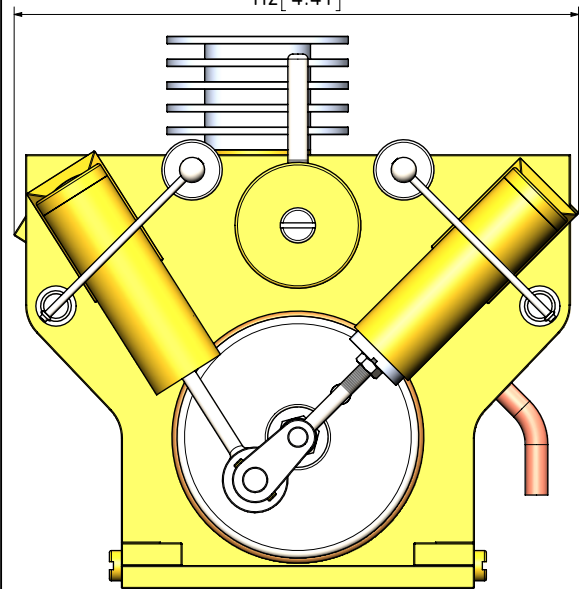
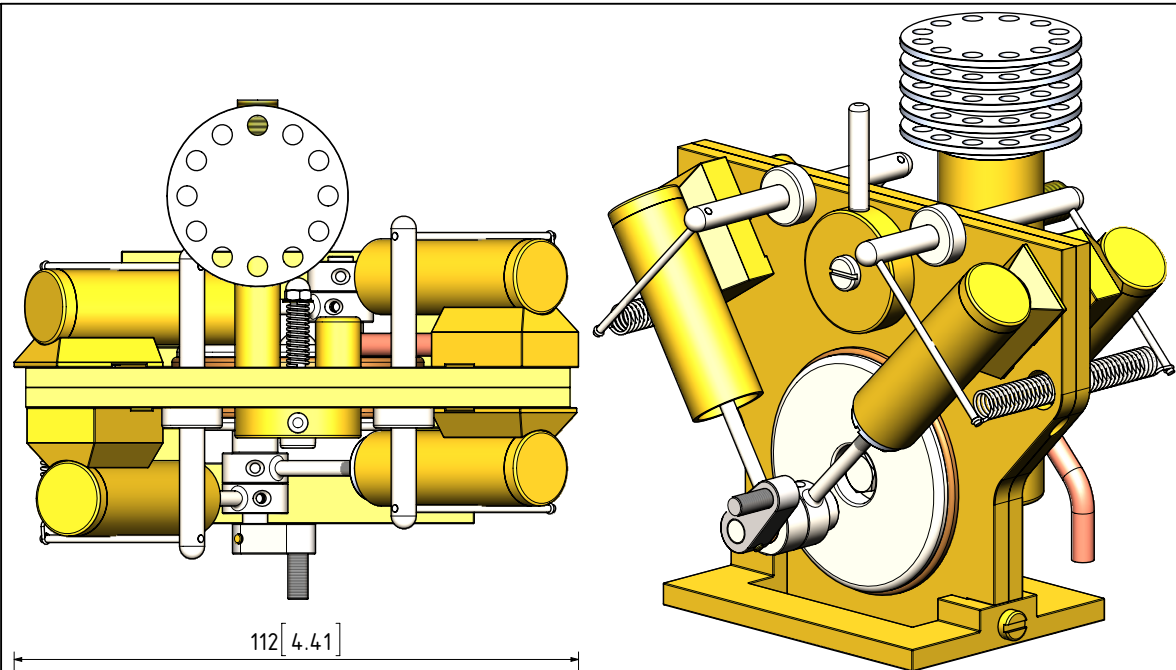
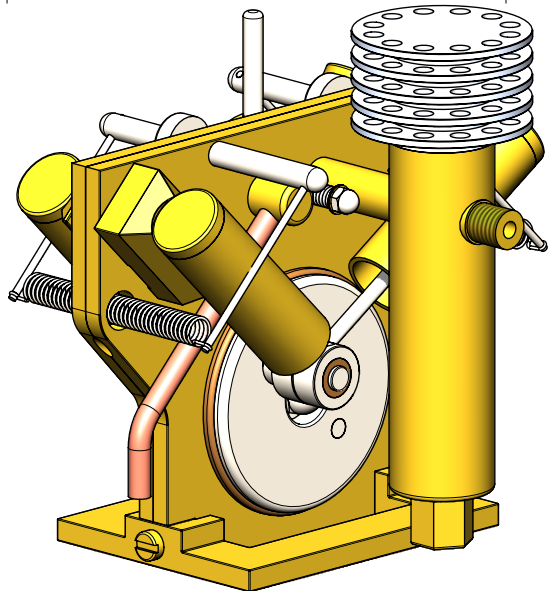
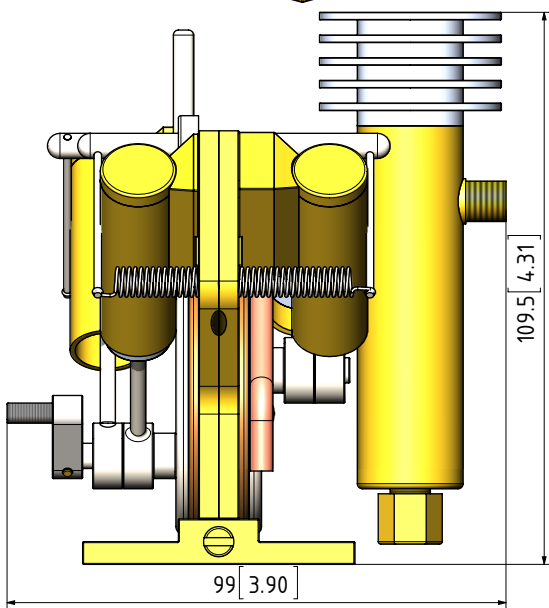




QTY.	PART NUMBER
1	SIMPLE-1-01-BASE PLATE
1	SIMPLE-1-02-PORT BLOCK STAND
2	SIMPLE-1-03-CRANK DISC BEARING
1	SIMPLE-1-04-EXHAUST PIPE CONNECTOR
1	SIMPLE-1-05-EXHAUST PIPE
1	SIMPLE-1-06-OILER INTAKE UBE
1	SIMPLE-1-07-OILER OIL CONTAINER
1	SIMPLE-1-08-OILER DRAIN NUT
1	SIMPLE-1-09-OILER FILLER CAP
1	SIMPLE-1-10-CYLINDER SPRING HOLDING POST-1
1	SIMPLE-1-11-CYLINDER SPRING HOLDING POST-2
1	SIMPLE-1-12-CYLINDER SPRING HOLDING POST-3
1	SIMPLE-1-13-CYLINDER SPRING HOLDING POST-4
2	SIMPLE-1-14-CYLINDER RETAINER SPRING
2	SIMPLE-2-01-CRANK DISC
1	SIMPLE-2-02-CRANK DISC PIN
1	SIMPLE-2-02-CRANK DISC PIN
4	SIMPLE-2-03-CYLINDER
2	SIMPLE-2-04-CYLINDER PORT BLOCK-1
2	SIMPLE-2-05-CYLINDER PORT BLOCK-2
2	SIMPLE-2-06-CYLINDER PIVOT SHAFT
4	SIMPLE-2-07-PISTON
4	SIMPLE-2-08-PISTON ROD
1	SIMPLE-2-09-REVERSER VALVE
1	SIMPLE-2-10-REVERSER VALVE PIVOT AXLE
1	SIMPLE-2-11-REVERSER VALVE RETAINER SPRING
1	SIMPLE-2-12-OUTPUT CRANK
1	SIMPLE-M3 DOME NUT
4	SIMPLE-M3 NUT
1	SIMPLE-M3 WASHER
2	SIMPLE-M4x14 PAN HEAD SCREW
1	SIMPLE-M5 DOME NUT
1	SIMPLE-M5x10 HEX BOLT



IF SO DESIRED THE BRONZE BEARINGS CAN BE REPLACED WITH ROLLER/BALL BEARINGS OR NEEDLE BEARINGS
SOME OF THE PARTS MAY HAVE TO BE ALTERED TO SUIT THE REPLACEMENT BEARINGS

NOTES:
0. ALL DRAWINGS ARE IN METRIC MEASUREMENTS
1. ALL ENGINEERING PRACTICES SHALL BE APPLIED WITH REGARDS TO HOLE AND SHAFT TOLERANCES.
2. WHERE SCREWS OR BOLTS ARE USED THE CLEARANCE HOLES SHALL BE APPROXIMATELY 5% TO 8% LARGER THAN THE MATCHING TAPPED HOLE.
3. PREFERABLY ALL TAPPED HOLES AND MATCHING SCREWS AND/OR BOLTS TO BE METRIC FINE (MF)
4. MATERIALS SPECIFIED ON THE DRAWINGS ARE INDICATIVE ONLY. THE BUILDER CAN MAKE HIS/HER OWN MATERIAL CHOICE.
5. ALL CONNECTIONS/JOINTS WHICH HAVE STEAM PRESSURE APPLIED TO IT SHALL BE SILVER/HARD SOLDERED.
6. COMPRESSION SPRINGS ARE DRAWN IN COMPRESSED STATE (CP), UNCOMPRESSED STATE IS APPROX 40% TO 60% LONGER THEN COMPRESSED STATE.
7. WHERE PREFERRED SCREW OR RIVETED CONNECTIONS CAN BE OMITTED AND PARTS CAN BE BONDED TOGETHER BY USING EITHER HIGH STRENGTH GLUE, EPOXY RESIN, OR SOLDER.
8. PARTS WHICH ARE DIRECTLY EXPOSED TO STEAM AND/OR WATER SHOULD BE CONSTRUCTED USING NON-FERROUS OR NON CORROSIVE MATERIAL SUCH AS BRASS, BRONZE, GUNMETAL, STAINLESS STEEL, COPPER OR MONEL.
9. THE ORDER IN WHICH THE PARTS/COMPONENTS ARE MANUFACTURED AND THE MODEL IS ASSEMBLED IS ENTIRELY LEFT TO THE BUILDER/MODEL MAKER.
10. A COLOUR SCHEME FOR THIS PROJECT IS ENTIRELY LEFT UP TO THE MODEL MAKER.
11. THE MANNER IN WHICH THE PARTS/COMPONENTS ARE MANUFACTURED IS ENTIRELY LEFT UP TO THE BUILDER.
12. USE LOCTITE, ON SCREW OR PRESS FIT CONNECTIONS OR SURFACES, WERE DEEMED NECESSARY TO PREVENT PARTS FROM LOOSENING.
13. WASHER SHALL BE USED WHERE DEEMED NECESSARY.
14. N/A
XX. ERRORS AND/OR OMISSIONS MAY OCCUR IN THE DRAWINGS, DO NOT HESITATE TO CONTACT ME SO THAT THE ERRORS/OMISSIONS CAN BE RECTIFIED.

MATERIAL ABBREVIATIONS:
ALU = ALUMINIUM
BRS = BRASS
BRZ = BRONZE OR GUNMETAL (BRZ/GM)
CI = CAST IRON
CU = COPPER
GRA = GRAPHITE
MS = MILD STEEL/BRIGHT MILD STEEL
S/S = SILVER STEEL OR STAINLESS STEEL
SPS = SPRING STEEL
PEEK= POLYETHER ETHER KETONE
SYN = SYNTHETIC MATERIAL SUCH AS VETON, NYLON, TEFLON OR RUBBER

IN GENERAL SYNTHETIC MATERIALS SHOULD BE ABLE TO WITHSTAND THE HEAT AND PRESSURE(S) APPLIED TO THEM.

nnn/nnn MEANS THAT EITHER MATERIAL CAN BE USED

OTHER ABBREVIATIONS
DP = DEEP
DAA= DRILL AFTER ASSEMBLY
D&TAA= DRILL AND TAP AFTER ASSEMBLY
CF = CLOSE FIT (SIZE FOR SIZE)
PF = PRESS FIT
PFAA= PRESS FIT AFTER ASSEMBLY
PCD = PITCH CIRCLE DIAMETER
RM = REAM
HEX = HEXACON, 6SIDED
CP = COMPRESSED
KNL = KNURLED
CSK = COUNTERSINK
PL = PLACES
DWL= DOWEL
(T)HESOP=(TAPPED)HOLES EQUALLY SPACED ON PCD
(T)HESOC=(TAPPED)HOLES EQUALLY SPACED ON CIRCUMFERENCE
[SA-xxx]= SUB ASSEMBLY-xxx

