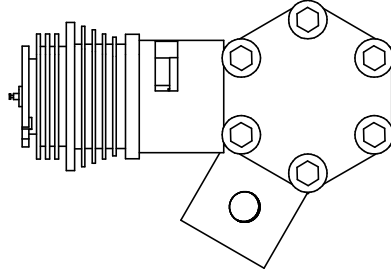
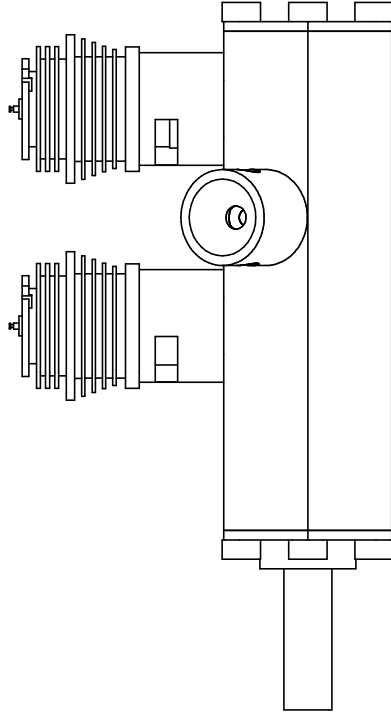
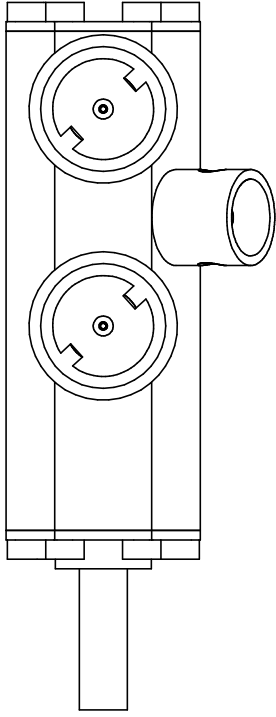
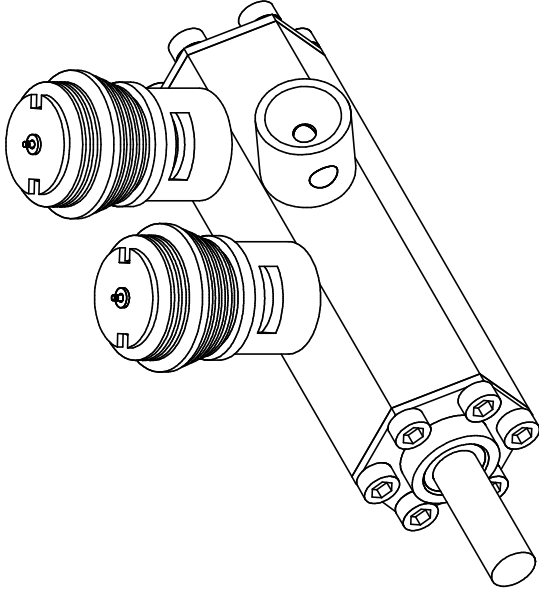


James Engine HEX-2

ZONE

REV

15 Jul 06



SIZE

A

Title

HEX-2

REV

SCALE

1:1

SHEET

SHEET 1 of 6

James Engine HEX-2

ZONE

REV

15 Jul 06

Item Number	Quantity	Part Number	Part Name	Revision	Comment
1	2		Crankshaft Pin		3/32" by 5/8" Dowel Pin
2	1		Crankshaft		5/8" TGP
3	12		Hex Bolt		4/40 x 3/8"
4	1		Front Plate		7/8" Aluminum HEX Rod
5	1		Back Plate		7/8" Aluminum HEX Rod
6	2		Cylinder		COX(tm) .049
7	1		Crankshaft Holding Tool		7/8" Aluminum HEX Rod
8	1		Venturi		1/2" Aluminum Round
9	2		Piston/Connecting Rod		COX(tm) .049
10	1		Crankshaft End		5/8" TGP
11	1		Crank Case		7/8" Aluminum HEX Rod
12	2		Glow Head		COX(tm) .049
13	1		Needle Valve		OS(tm) .010 std

SIZE

A

Title

BILL OF MATERIALS

REV

SCALE

1:1

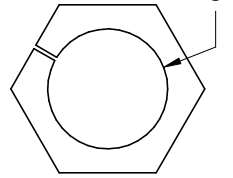
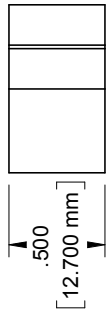
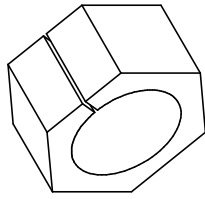
SHEET

SHEET 2 of 6

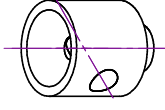
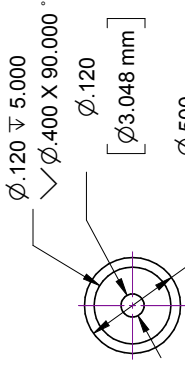
James Engine HEX-2

ZONE REV

15 Jul 06



7



[Ø12.700 mm]

.450

[11.430 mm]

.130

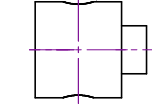
[3.302 mm]

Ø.159

.225

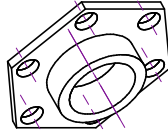
[5.715 mm]

THREAD 1/4-28



8

4



.150

[3.810 mm]

6x Ø.125
.800 BC

.400

[10.160 mm]

Ø.375

[Ø9.525 mm]

Ø.500

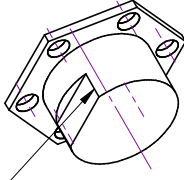
[Ø12.700 mm]



.050

[1.270 mm]

Round Corners With File



.340

[8.636 mm]

.050

[1.270 mm]

.170

[4.318 mm]

.400

[10.160 mm]

.060

[1.524 mm]

X6 Ø.125
.800 BC

Ø.620

[Ø15.748 mm]

.060

[1.524 mm]

5



.390

[9.906 mm]

SIZE
A

Title

FRONT AND BACK PLATE, VENTURI,
CRANKSHAFT HOLDING TOOL

SCALE 1:1

SHEET

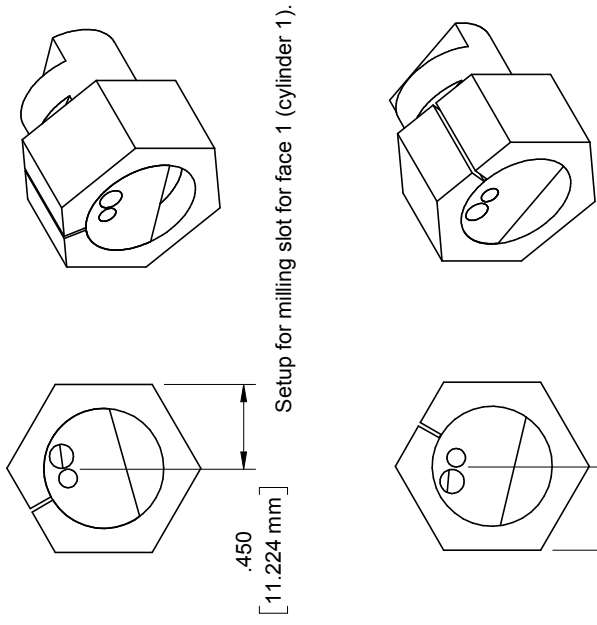
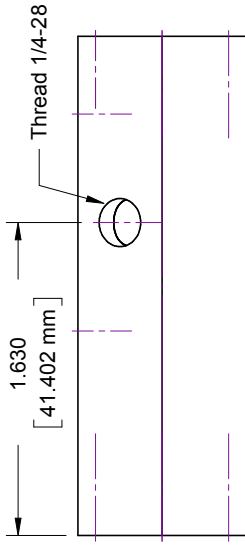
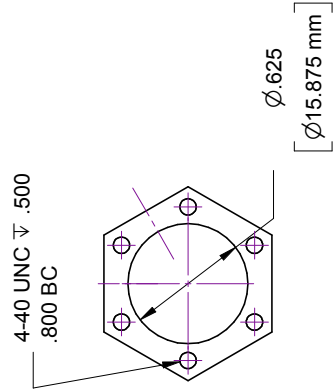
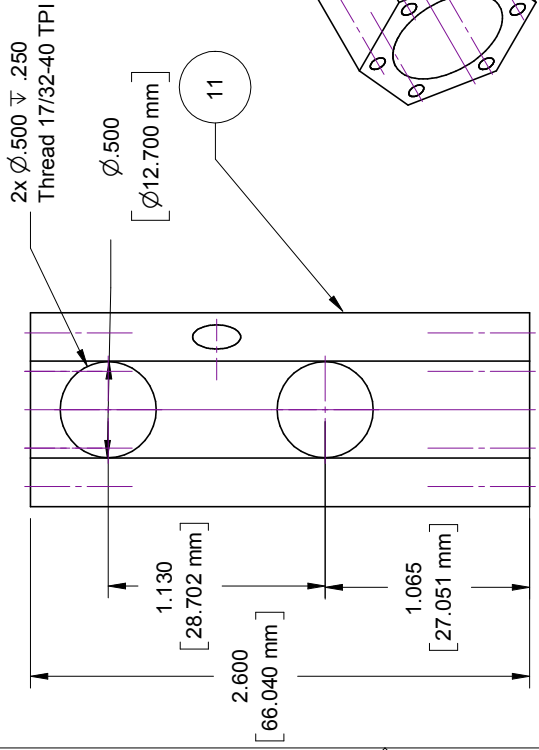
SHEET 3 of 6

James Engine HEX-2

ZONE

REV

15 Juli 06



SIZE
A

Title

CRANKCASE

REV

SCALE

1:1

SHEET

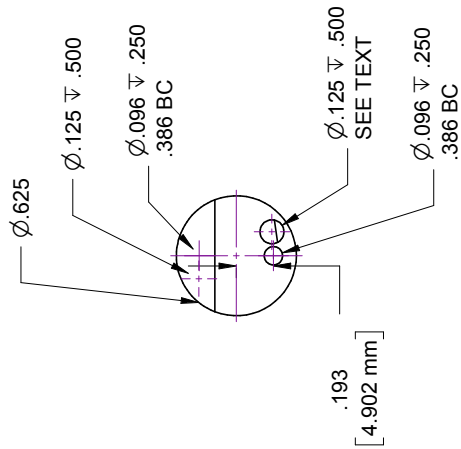
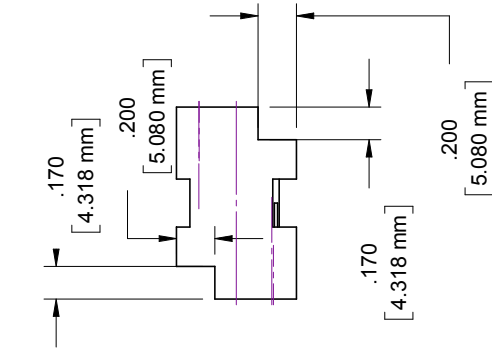
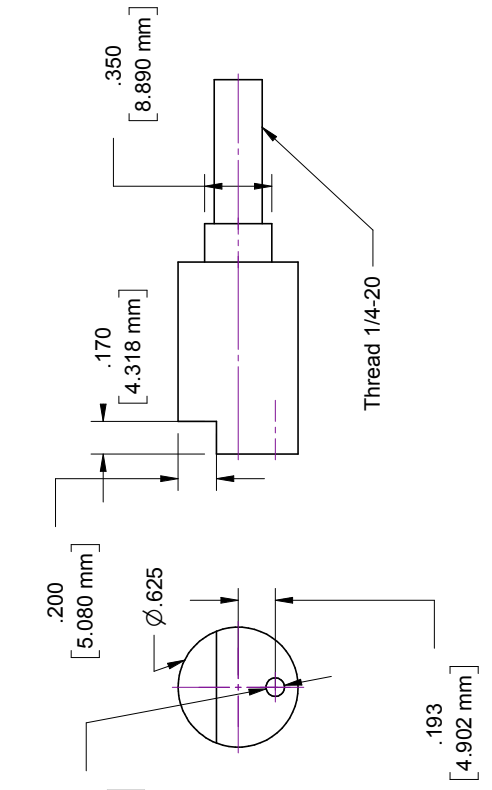
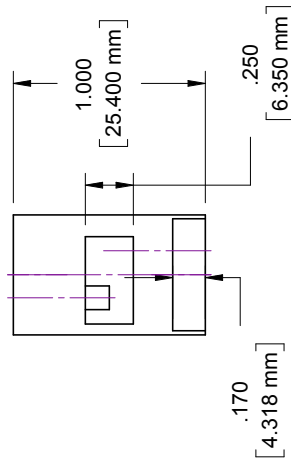
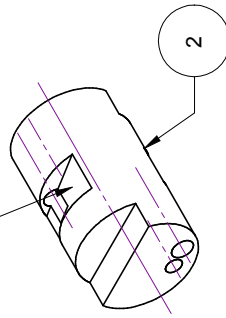
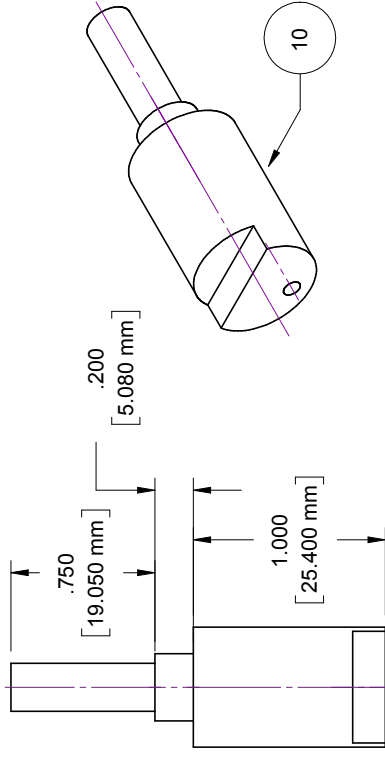
SHEET 4 of 6

James Engine HEX-2

ZONE REV

15 Jul 06

Mill .250" wide and .090" deep.
See text for setup.



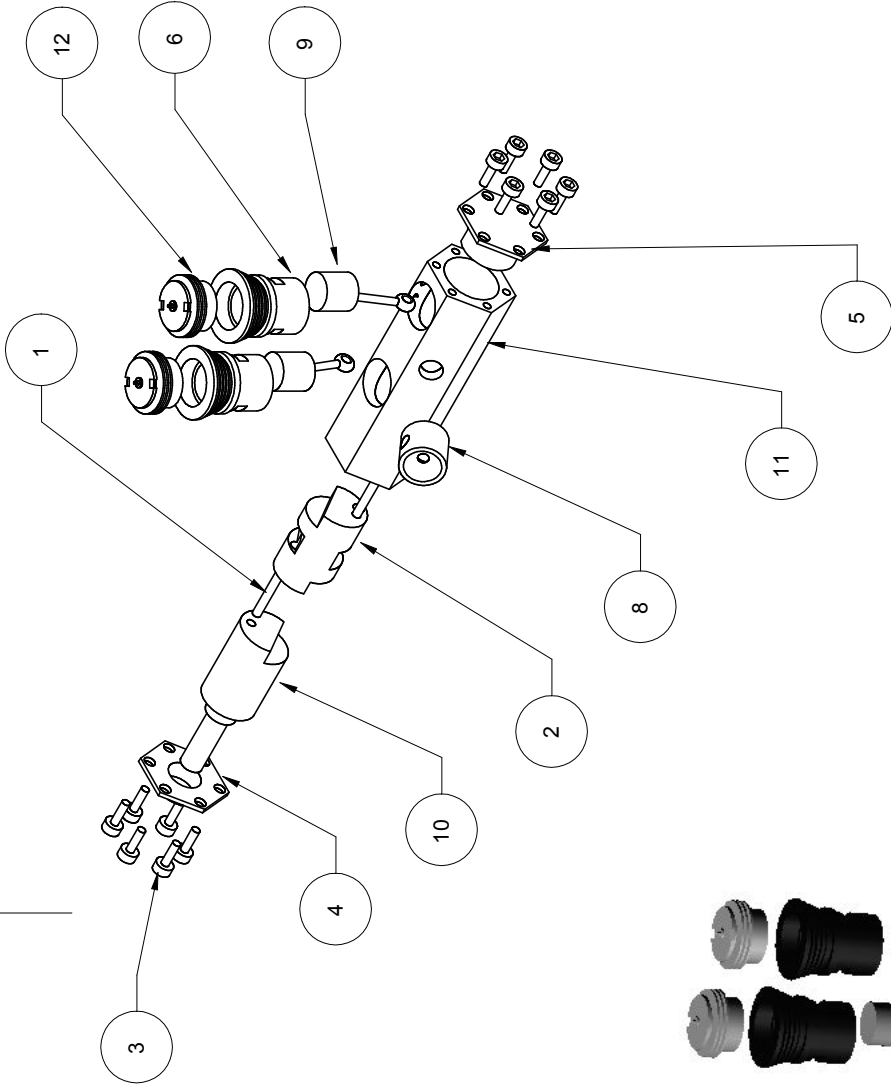
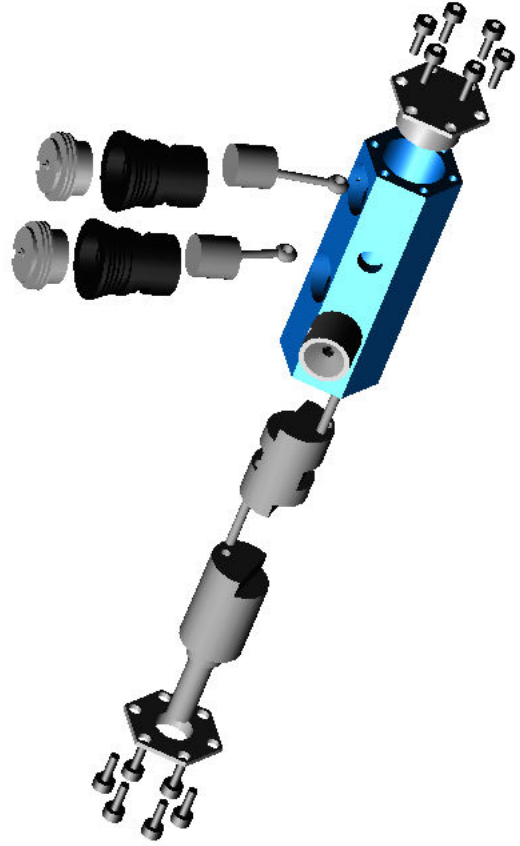
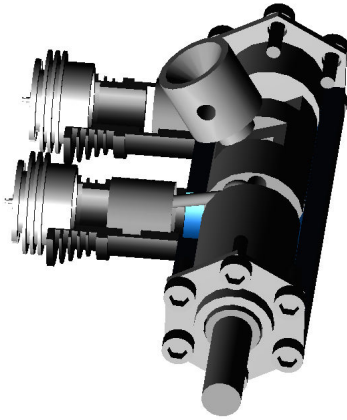
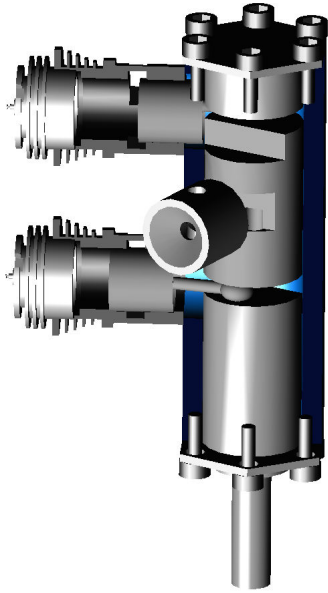
SIZE	Title	REV
A	CRANKSHAFT AND CRANKSHAFT END	
SCALE	SHEET	
1:1	SHEET 5 of 6	

James Engine HEX-2

ZONE

REV

15 Juli 06



SIZE A	Title ASSEMBLY DRAWING	REV
SCALE 1:1	SHEET SHEET 6 of 6	