Cold Plate

Stirling Engine
SolarStirlingPlant.com

DRAWN
M John
DATE
05/17/10

CHECKED
MFG

QA
APPROVED

SIZE
A

DWG NO.

REV

SCALE

SHEET
Notes:
1. Match drill holes with Crankshaft Support Angle
**Notes:**
1. 0.032 slit width is not critical.
Displacer Cylinder hold-down angle
Displacer Gasket

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Displacer Gasket
### Notes:
1. V-groove may be cut with triangular file.
2. Match-drill holes with Displacer Shaft Fork parts

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**Drawn:** M. John  
**Date:** 05/18/10

**Stirling Engine**  
**SolarStirlingPlant.com**

**Displacer Shaft Fork Center**

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<tr>
<th>DRAWN</th>
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<td>05/18/10</td>
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**Checked:** MFG  
**QA:** APPROVED

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**Displacer Shaft Fork Center**

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**Scale:**

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Notes:
1. Match drill all three holes with second Displacer shaft fork part.
2. Match drill two large holes with Displacer shaft fork center.
Displacer

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Dimensions:
- \( \phi 3.200 \)
- \( \phi 3.375 \)
- \( 0.063 \uparrow \text{THRU} \)
- .250 to .750

Drawn by: M. John
Date: 05/18/10

Checked by: MFG
QA Approved

Sheet A
Scale: SHEET
Notes:
1. The .032 slit can be cut with a triangle file.
Notes:
1. Part may be cut from and extra Cover Plate

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Hot Plate

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Main mounting tube gasket

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05/18/10
M John

2x \( \phi 0.188 \) THRU
\( \phi 0.500 \) THRU
\( \phi 0.094 \) THRU
R.250
1.600
4.773
.062
.500
Notes:
1. The Power Cylinder hole does not need to be accurately finished, it can be filed from a smaller drill hole. The cylinder will be epoxied in place. The cylinder should fit freely in the hole so as not to distort it out of round.
2. The center hole should be match-drilled with the cold plate.
Notes:
1. The outside diameter is not critical. This part must be a loose slip-fit into the power piston skirt without distorting the skirt out of round.
Notes:
1. Round top of tube for rod end clearance as needed.

Wrist pin bearing tube

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