Report No. 1	PROJECT REPORT

Student Name:

Team:

Component assignment confirmation:

To get credit for this portion, submit (as a separtate pdf) the completed "Stirling Engine Parts Assignment" form. This form is on e-courseware.

All members of your team must turn in identical forms.

Team:_____

STUDENT NAME:

Heat Chamber		1 PLATE, UPPER
		2 CYLINDER, DISPLACER
		3 PLATE, LOWER
		4 O-RING (CHAMBER)
		5 NUT, CLINCH (CHAMBER)
		6 COVER, SCREW
		7 SCREW, FLAT HEAD (CHAMBER)
Piston & Cylinder		8 ROD, CONNECTING
		9 END, ROD, CONNECTING, LOWER
		10 BEARING, PISTON
		11 PIN, WRIST
		12 PISTON, POWER
		13 CYLINDER, POWER
		14 ADAPTER, CYLINDER, POWER
Power Crank		15 CRANK, PISTON, POWER
		16 WASHER (CRANKSHAFT)
		17 END, ROD, CONNECTING, UPPER
		18 BEARING, CONROD
		19 SCREW, SOCKET HEAD (CONROD)
Flywheel		20 SCREW, FLAT HEAD (FLYWHEEL)
		21 FLYWHEEL
		22 CRANKSHAFT
		23 COUNTERWEIGHT
		24 SCREW, FLAT HEAD (COUNTERWEIGHT)
Crank Bearing Assy		25 SCREW, SET, CRANKSHAFT
		26 CRANK, DISPLACER
		27 WASHER (CRANKSHAFT)
		28 BLOCK, BEARING, CRANKSHAFT
		29 SPACER, BEARING, CRANKSHAFT
		30 BEARING, CRANKSHAFT
		31 MASTHEAD
Displacer Drivetrain		32 WASHER, (DISPLACER)
		33 BEARING, CRANK, DISPLACER
		34 END, ROD, DISPLACER, UPPER
		35 SCREW, SOCKET HEAD (DISPLACER)
		36 ROD, CONNECTING, DISPLACER
		37 END, ROD, DISPLACER, LOWER
		38 BUSHING, YOKE, DISPLACER
		39 YOKE, DISPLACER
		40 ROD, DISPLACER
Displacer		41 SCREW, SET, DISPLACER
		42 PIN, WRIST, DISPLACER
		43 BUSHING, DISPLACER
		44 ADAPTER, DISPLACER
		45 DISPLACER
		46 CONNECTOR, DISPLACER
		47
		48
		49
		50

Find this Distance:

The following values are known. They are given in the assignment document. Enter them below. Then use these to solve for the interior height of the displacer chamber.

Displacer Thickness: _____

Displacer Stroke: _____

Displacer Clearance: _____

CALCULATED INTERIOR DIMENSION: _____mm