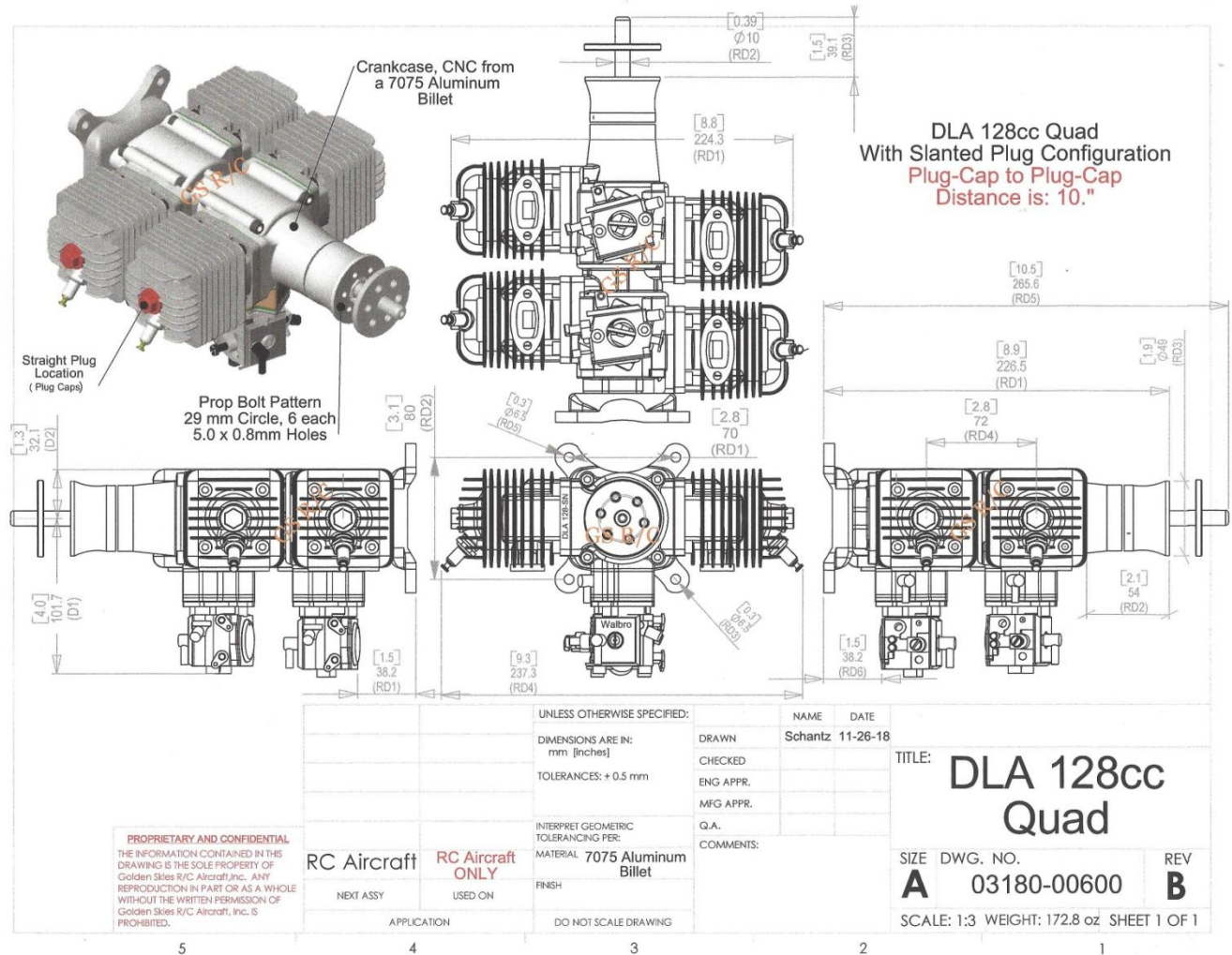
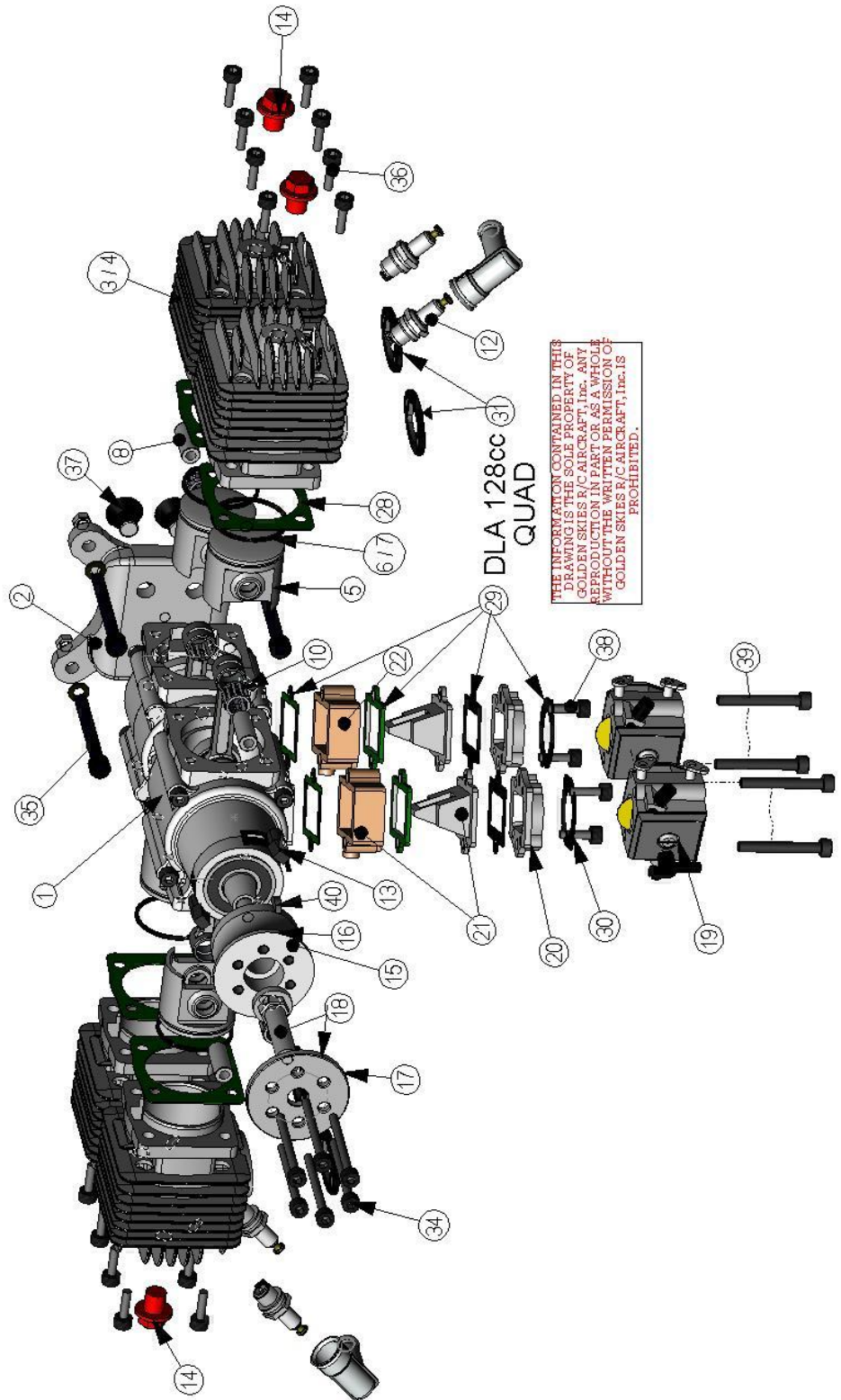


Technical Notes:

DLA 128cc QUAD Gas Engine





GOLDEN SKIES R/C AIRCRAFT, Inc.

Specifications:

DLA 128 cc (7.81 in³) Gas Engine

Power:	13 HP @ 8,000 rpm
Displacement:	128 cc (7.81 in ³)
Idle Speed:	~ 1,400 rpm
Static Thrust:	61 pounds @ 100 m (~ 328 ft Altitude) (Pulling Force) 54.6 pounds @ 1800 m (~5,900 ft Altitude)
Propellers (Recommended):	27 x 10, 28 x 10, 29 x 10
RPM Range:	~1,400 to ~8,100 rpm
Carburetor:	Walbro™, (Typ: WJ-805), Diaphragm Pump, 2 each
Spark Plug:	CM-6 Special
Muffler Volume:	128 cc (7.81 in ³)
Cylinder Diameter (Bore) Stroke:	37.0 mm / 30 mm (1.46 in / 1.18 in)
Compression Ratio:	7.8 : 1
Gas	87 – 89 Octane, unleaded (“Regular”)
Gas : Oil Ratios:	30:1 – 40:1 Break-in Trial Run; 40:1 – 50 : 1 Normal Flying
Weights:	Engine: 120 oz, Muffler (2): 9.57 oz, Ignitions (2) 12.7 oz (Total: 145.9 oz = 9.1 lbs)
Ignition:	Fully Advancing, Auto, <u>C</u> apacitive <u>D</u> ischarge <u>I</u> gnition
Ignition Power:	6.6 to 8.4 VDC, 2S – LiPo Unregulated

Support Information:

Ignition Battery:	2-S, LiPo, (1,300 to 2,100 mAh Typical) un-regulated. 6-S, 7.2 VDC, NiMH, (2,100 mAh Typical)
Break-in Propeller (Suggested)	28 x 10
Intake Manifold:	4-Leaf Reed Valve, V-Configuration, 2 each
Items Included in Retail Pkg:	Engine, Muffler (2) / Gasket & Bolts, CD Ignition, Sparkplug (4), Stand-off Mounts (Machined), Operations Manual (on Website), Bolts–Mounting, Spiral-Nylon Wire Sleeve

	Mount Dimensions		Mounting Bolts	Stand-Offs	Prop Bolts	Muffler Bolts
	X (mm)	Y (mm)				
DLA 128	70	80	5.0 x 0.8 - 55 mm	15.5 OD x 20 L mm	5.0 x 0.8 - 50 mm	5.8 x 0.8 - 16 mm

Suggested Items:

Gas Tank	Pilot's Choice
Fuel Point™	From Golden Skies R/C
Gas Line	From Golden Skies R/C
Ignition Kill Switch	From Golden Skies R/C
Propeller	SAIL Props, From GS R/C
2-Cycle Oil	Pilot's Choice
Gas Line Filter	Pilot's Choice
Mounting Template	From Golden Skies R/C
Propeller Drill-bit Guide	(From Golden Skies R/C
Torque Wrench	Any within Proper Torque Range
Spinner	From Golden Skies R/C
Battery, Ignition	From Golden Skies R/C
Tachometer, LED	From Golden Skies R/C