

# ***Crestacre Engineering Ltd t/as Holeshot Racing***

## **H1 - V8 normally aspirated engine prices and specifications**

**2800cc = 400hp.      2900cc = 450hp.      3000cc = 500hp.**

### **H1 2800cc (67mm stroke x 81mm bore) Engine: 400hp 220ft/lbs torque**

#### **Suzuki required top end engine parts as below:-**

- Gen 1 (>08) Cylinder head complete with valves, springs, valve buckets, shims, etc
  - Cylinder barrels
  - Throttle bodies inc injectors
  - Set pistons
  - Gaskets
  - Cam cover, seals, inlet rubbers, gaskets, clamps, etc
  - Ignition coils
- Total      £7,500.00**

#### **Hartley / Holeshot bottom end , dry sumped, with all performance parts as detailed below:-**

- 7075 Billet Aluminium crankcase, dry sump, front cover and rear cover
  - 60 amp mini race alternator
  - Flywheel for 5.5" or 7" clutch and starter
  - 40mm billet velocity stacks, adapter seals and valve cover nameplate
  - 67mm 4340 billet and nitrided crank with 42mm journals
  - Carrillo Custom H beam connecting rods
  - Kent Cams Reprofiled Suzuki cams SUZ24.
  - Kent Cams adjustable cam sprockets.
  - Cylinder base shim plate with O-ring seals
  - Camshaft and cranshaft sensors
  - Heavy duty 12mm cylinder studs
  - Cam chain, crank drive sprocket, side chain guides.
  - Billet sump with scavenge filters.
  - Throttle body inlet rubbers to join to cylinder head and clips.
  - Dailey 4 stage scavenge dry sump pump and fittings.
- Total      £14,500.00**

#### **Engine labour**

- Complete engine labour to fully build
- Total      £1,000.00**

**Parts and Labour Total      £23,000.00**

### **Uprated engine performance packages**

#### **H1 2900cc (67mm stroke x 83mm bore) Engine: 450hp 240ft/lbs torque**

As above but fitted with additional parts listed below:

- Gasflowed Cylinder Heads      £800.00
- Uprated Fuel Injectors      £500.00
- Cylinder bored, re nicasil plated and honed +2mm      £850.00
- Set of 8 x 83mm CP custom pistons      £900.00

**Total      £3,050.00**

#### **H1 3000cc (67mm stroke x 84mm bore) Engine: 500hp 260ft/lbs torque**

As above but fitted with additional parts listed below:

- Gasflowed Cylinder Heads      £800.00
- Uprated Fuel Injectors      £500.00
- Cylinder bored, re nicasil plated and honed +3mm      £850.00
- Set of 8 x 84mm CP custom pistons      £900.00

**Total      £3,050.00**

#### **Additional Race Only Performance Options:**

##### **plus 15HP**

- Upgrade to race billet cams      £800.00
- Heavy Duty Valve Springs      £300.00

**Total      £1,100.00**

##### **plus 15HP**

- 1mm oversize valves      £700.00
- Cylinder head work for 1mm oversize valves      £300.00

**Total      £1,000.00**

### **Dyno and Engine Testing**

Bench test, run in and base map inc fuel, oil, consumables      £200.00  
 Engine dyno test and fully map ecu, inc fuel, oil, consumables      £400.00

## Engine Management Options:-

### Option 1:-

#### Motec engine management

M84 ECU 13084 (lambda enabled standard)	£1,200.00
Quad Channel Ignition Amplifier (dual connector) 41204	£170.00
1 bar MAP sensor	£60.00
UTC to CAN (pc connection) 61059	£160.00
Wiring harness including cam sensor, crank sensor, air temp, engine temp, oil temp sensors	£500.00
Engine oil pressure sensor 10bar high accuracy	£100.00
Advanced Functions 27104 (upgrade for traction control, flatshift, etc)	£290.00
Twin lambda upgrade	£160.00
NTK Lambda sensor and connector (bank1)	£120.00
NTK Lambda sensor and connector (bank2)	£120.00
<b>Total</b>	<b>£2,880.00</b>

### Option 2:-

#### Motec M800 engine management

M800 ECU	£2,000.00
Quad Channel Ignition Amplifier (dual connector) 41204	£170.00
1 bar MAP sensor	£60.00
UTC to CAN (pc connection) 61059	£160.00
Wiring harness including cam sensor, crank sensor, air temp, engine temp, oil temp sensors	£500.00
Engine oil pressure sensor 10bar high accuracy	£100.00
map sensor	£70.00
Advanced Functions 27104 (upgrade for traction control, flatshift, etc)	£290.00
Single lambda upgrade	£300.00
Twin lambda upgrade	£160.00
NTK Lambda sensor and connector (bank1)	£120.00
NTK Lambda sensor and connector (bank2)	£120.00
<b>Total</b>	<b>£4,050.00</b>

### Option3 :-

#### Life/Syvecs S6 stand alone engine management

Syvecs S6 ECU (inc' lambda, boost control, TC, HiLo inj, flatshift, Knock control, etc)	£1,320.00
Bosch knock sensor	£50.00
Wiring harness including cam sensor, crank sensor, air temp, engine temp, oil temp sensors	£500.00
Engine oil pressure sensor 10bar high accuracy	£100.00
map sensor	£70.00
Bosch Quad Channel Ignition Amplifier	£180.00
Twin Lambda upgrade	£200.00
NTK Lambda sensor and connector (bank1)	£120.00
NTK Lambda sensor and connector (bank2)	£120.00
Mapping Communications lead	£10.00
<b>Total</b>	<b>£2,670.00</b>

### Option 4:-

#### Life/Syvecs S8 stand alone engine management

Syvecs S8 ECU (inc' lambda, boost control, TC, HiLo inj, flatshift, Knock control, etc)	£1,900.00
Bosch knock sensor x 2	£100.00
Wiring harness including cam sensor, crank sensor, air temp, engine temp, oil temp sensors	£500.00
Engine oil pressure sensor 10bar high accuracy	£100.00
NTK Lambda sensor and connector (bank1)	£120.00
NTK Lambda sensor and connector (bank2)	£120.00
Mapping Communications lead	£10.00
map sensor	£70.00
<b>Total</b>	<b>£2,920.00</b>

### Dash Options

Motec CDL3	£1,300.00
Motec SDL3	£1,600.00
AIM MXL Strada	£800.00
AIM MXL Pista	£1,400.00

All prices exclude VAT