

I hereby certify that the engine identified below was built within the rules of the NVFFA Engine Specifications.

Engine builder: \_\_\_\_\_ Signature/date: \_\_\_\_\_

I hereby certify that no modifications have been performed since the above build date that would be in violation of the rules referenced above. (If you do not know if it is compliant, enter "unknown" below and sign/date)

Owner/Driver: \_\_\_\_\_ Signature/date: \_\_\_\_\_

Engine Build date: \_\_\_\_\_

Engine or Cylinder Block Identification Number or Serial Number: \_\_\_\_\_

Cylinder Head Identification Number or Serial Number: \_\_\_\_\_

**CYLINDER BLOCK**

Bore \_\_\_\_\_ " [3.200" maximum] (By measurement or piston diameter + piston to wall clearance)

Stroke \_\_\_\_\_ " [3.060" maximum] (By measurement from top of cylinder block to top of piston at Bottom Dead Center [BDC] – distance at Top Dead Center [TDC])

Deck Height \_\_\_\_\_ " (By measurement from top of cylinder block to top of piston at TDC)

**PISTONS**

Manufacturer / Brand of Pistons \_\_\_\_\_ Standard \_\_\_\_\_ 0.005" Oversize

**HEAD GASKET**

Manufacturer \_\_\_\_\_ Inside Diameter \_\_\_\_\_ " Thickness \_\_\_\_\_ "

**CAMSHAFT** Lift at cam lobes: Lift at valves (Zero tappet setting):

Intake \_\_\_\_\_ " [0.231" max. +/- 0.002"] Intake \_\_\_\_\_ " [0.356" max.]

Exhaust \_\_\_\_\_ " [0.232" max. +/- 0.002"] Exhaust \_\_\_\_\_ " [0.358" max.]

Valve overlap verification (measure lift at intake and exhaust valve when they are equal)

Intake valve lift \_\_\_\_\_ "+ Exhaust valve lift \_\_\_\_\_ "= \_\_\_\_\_ " Total\* (0.112" reference)

**VALVES**

Intake valve manufacturer / part number \_\_\_\_\_ Diameter \_\_\_\_\_ " [1.560" max.]

Exhaust valve manufacturer / part number \_\_\_\_\_ Diameter \_\_\_\_\_ " [1.340" max.]

Valve face to cylinder head surface (maximum 0.040"): Intake \_\_\_\_\_ " Exhaust \_\_\_\_\_ "

**COMPRESSION RATIO**

Volume of top ring to top of piston 1.33 cc Swept volume \_\_\_\_\_ cc

Volume of piston at TDC to top of cylinder block \_\_\_\_\_ cc Unswept volume \_\_\_\_\_ cc

Head gasket volume \_\_\_\_\_ cc Compression ratio \_\_\_\_\_ :1

Head volume (valves and spark plug hole) -0.4 cc

If the engine identified in this form does not comply with the rules referenced herein, list and explain the modifications / nonconforming parts. Enter "unknown" below if compliance document cannot be completed.

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\* When the combined intake and exhaust valve lift at overlap exceed 0.112", then perform further cam measurements: plotting lift for an intake and exhaust valve vs. crankshaft angle and compare to published NVFFA / SCCA cam profile graph.