

DAYTONA PROTOTYPES ENGINE ELIGIBILITY AND APPROVAL LIST as of 12/17/07

The following engines have been approved for competition in Daytona Prototypes.

BMW S62-B50 32 valve 5.0L V-8

Bore: 3.701" Stroke: 3.502" Minimum crank weight: 40 lbs

Maximum compression ratio: 11:1

Cylinder heads and intake cannot be ported.

Intake valve: 1.377" Exhaust valve: 1.200"

Piston, rings, pin and connecting rod: 936 gm minimum

Maximum camshaft lift @ retainer with zero lash: .500"

Maximum cam duration: 260 ° @ .050" lift

Induction: 8 individual butterflies @ 1.965"

Must use OEM intake manifold .Air intake to be sealed to 11 x 9/16 hole in top of OE intake manifold. Must use approved air box. Cam profile on file cannot be changed

RPM limit: 7000 Maximum fuel pressure 5 bar (72.5 psi)

FORD 5.0L V8

Bore: 3.705" Stroke: 3.543" Minimum crank weight: 38 lbs, Maximum compression ratio: 11:1 OEM GT40 cylinder head with production intake ports. . Maximum intake runner volume: 251cc, maximum exhaust runner volume: 115 cc Intake valve: 1.496" Exhaust valve: 1.260" Piston, rings, pin and connecting rod: 1000 gm minimum Maximum camshaft lift @ retainer with zero lash: .498" Maximum cam duration: 254° @ .050" lift Induction: two butterflies @ 2.250" diameter. Intake manifold by RYRE / Ford Racing, RPM limit: 7000 Maximum fuel pressure 5.0 bar (72.5 psi) Cam profile on file cannot be changed

INFINITI 4.35L V8

Cylinder bore: 3.661" Stroke: 3.149" Minimum crank weight: 34 lbs Maximum compression ratio: 11:1 Cylinder head intake runner maximum volume: 196 cc's Cylinder head exhaust runner maximum volume: 83 cc's Intake valve: 1.424" Exhaust valve: 1.237" Piston w/rings, pin and connecting rod: 1000 gm minimum Maximum camshaft lift @ retainer with zero lash: .492" Maximum cam duration: 282°in/320°ex degrees @.050"lift Intake manifold as approved. Throttle body: Ron's four hole throttle body w/1.875" butterflies and 2.5" inch spacer. RPM limit: 7700 Maximum fuel pressure 5.5 bar (80 psi)

LEXUS (TRD) 5.0L V8

Cylinder bore: 3.720" Stroke: 3.500" Minimum crank weight: 38 lbs. Maximum compression ratio: 11:1 Cylinder head intake runner maximum volume: 145 cc's Cylinder head exhaust runner maximum volume: 81 cc's Intake Valve: 1.458" Exhaust valve: 1.178" Piston w/rings, pin and connecting rod: 1000 gm minimum. Maximum camshaft lift @ retainer with zero lash: .510" Maximum cam duration 260° @ .050" lift. TRD intake #17112-GA008 top, # 17110-GA008 bottom, Toyota Throttle body # 22030-0F010 Maximum fuel pressure 5 bar (75.4psi) Maximum rpm : 7000; minimum crankshaft weight: 38 lbs. Cam profile on file cannot be changed

PORSCHE 3.99L GT3R Flat 6

Up to 3.99 liter displacement with unlimited components. Engine to Transaxle adaptor with 1 to 1 ratio allowed approved supplier TBA. Maximum fuel pressure 5.2 bar (75.4 psi)

CAYENNE based 5.0L V8

(by Lozano Bros. Porting)

Cylinder Bore: 3.701 Stroke 3.543 ,Minimum crank weight :38 lbs .Maximum compression ratio: 11:1. Cylinder head intake runner volume 156 cc's. Cylinder head exhaust runner volume: 121 cc's . Intake valve:1.464.Exhaust valve: 1.282.Piston w/rings ,pin and connecting rod 1000gm minimum .Maximum cam duration 260°@.050 lift .Maximum cam lift w /zero lash: 500. Throttle body : 3.159 ID.(Lozano Bros.) Ma body : 3.159 ID.(Lozano Bros.) Maximum fuel pressure 5 bar (75.4 psi). Maximum rpm 7000.

PONTIAC 5.0L V8

*Can also be branded as Cadillac or Chevrolet. Standard Bore LS6 or sleeved LS2 engine block: 3.900" Stroke: 3.185" Minimum crank weight: 38 lbs Maximum compression ratio: 11:1 Cylinder heads must be OEM LS6. Intake and exhaust ports cannot be modified. Cylinder head intake runner maximum volume: 230 cc's Cylinder head exhaust runner maximum volume: 87 cc's Intake valve: 2.000" Exhaust valve: 1.550" Piston w/rings, pin and connecting rod: 1000 gm minimum May use titanium wrist pin. Maximum camshaft lift @ retainer with zero lash: .590" Maximum cam duration: 260° @.050" lift Must use with no modifications Maximum RPM: 7100 Maximum fuel pressure 5 bar (72.5 psi) #12580420 intake manifold and # PAX – 0649 throttle body available through GM - charles.vancamp@gm.com.