

**CARAWAY SPEEDWAY LATE MODEL STOCK
2012 RULES & REGULATIONS**

IMPORTANT NOTE: Applications for NASCAR License may be obtained from the Pit Steward at the sign -in- window or at the speedway office during regular business hours. This division requires a NASCAR Whelen All American Series Feature Division License Membership. Anyone entering the pit area must be properly registered. Track Official in charge has the right to refuse any entry.

See the 2012 NASCAR Whelen All American Series Late Model Stock Car rule book. Section 20F.

TRACK FUEL ONLY!! FUEL MUST BE PURCHASED AT THE TRACK A Minimum OF 10 GALLONS!

20F-4.1 OPTIONAL CRATE ENGINES

20F-4.2 GENERAL SPECIFICATIONS

- A. GM part number 88958604 is approved for use in competition.
Ford part number M-6007-Z351S & M-6007-Z351SR are approved for use in competition.
Dodge crate engines will be allowed as soon as they are available and approved for use in competition.
The GM crate engine may be used in Dodge bodied cars until a Dodge crate engine is approved. Ford crate engine can only be used in Ford bodied cars.
- B. Engines must remain stock as delivered from the manufacturer, no changes. Rocker arms must be all 1.5 or all 1.6. May use aftermarket. Harmonic balancer must be original. Timing cover must be original.
- C. The #0-80541-1 Holley 650 CFM HP series carburetor is the only carburetor that that will be permitted for use with the optional crate engine. Carburetor must remain stock as provided by the manufacturer. Power valves and jets are the only parts that may be changed.
- D. One one-piece open hole paper gasket, maximum .065 inch thickness, that matches The exterior dimensions of the carburetor throttle base plate must be installed Between the carburetor and intake manifold, with no air leaks. A one (1) inch Spacer will be allowed between the carburetor & intake.
- E. All cars must weigh 3100 lbs with a minimum right side of 1375 lbs.
- F. Tires are **Hoosier F45. Tire Dealer . Caraway Tire 336-629-5803**

SEE CRATE-TYPE ENGINE SPECIFICATIONS CHART ON NEXT PAGE

CRATE-TYPE ENGINE SPECIFICATION

THE GM 89958604 CRATE-TYPE ENGINE MUST CONFORM TO THE SPECIFICATIONS LISTED IN THE GM PERFORMANCE PARTS CIRCLE TRACK CRATE ENGINE TECHNICAL MANUAL (p/n 88958668 revised MAY 2010)

Specific Specifications for this event, in addition to, or contain in, the GM Technical Manual

Compression ratio	Per tech manual 9.6:1 max allowable static reading is 10:1 with whistle
Deck Height	Per tech manual 9.025" Minimum 9.020"
Crankshaft	Per tech manual (casting number 14088532) externally balanced
Crankshaft	Per tech manual minimum main and rod bearing sizes 0.010" undersize
Bearings	Aftermarket allowed but must be same size and configuration as stock
Bore	Per tech manual 3.991" – 4.001"
Piston	Per tech manual hi-silicon aluminum 4 reliefs 533 grams
Connecting Rod Length	Per tech manual 5.7"
Connecting Rod Weight	Per manual 604.15 grams total (minimum 595 grams)
Connecting Rod Weight	Per tech manual upper end 180.3 grams lower end 424.1 grams
Rocker arms	Per tech manual roller rockers -1.5 ratio or 1.6 ratio (Mixing not permitted)
Cylinder Heads	Per tech manual intake ports 205 cc, exhaust ports 77 cc (+/-2)
Cylinder Head Gasket	Per tech manual 0.051" minimum thickness
Combustion Chambers	Per tech manual 62cc (+/-2cc)
Valves	Per tech manual machining procedures (intake 2.00" exhaust 1.55")
Valve Springs	Per tech manual and a max of 0.020" shim to obtain stock pressures only
Pushrods	Per tech manual p/n 10241740 wall thickness 0.060". length 7.122" dia 5/16"
Camshaft	Per tech manual hydraulic roller lift – int/exh .474"/.510"
Camshaft	Per tech manual duration @0.050" int/exh 208/221
Camshaft	Per tech manual lobe centerline 112 degrees
Camshaft	Per tech manual +/- 0.010 all dimensions and +/- 5 degrees angularity
Intake	Per tech manual p/n 12496822 no spacer and no notches
Oil Pan	Per tech manual standard 7" deep with 12" x 16" sump
Valve Covers	Per tech manual
Distributor	Aftermarket per NWAAS Rule Book LMSC Section 20F-6.1
Carburetor	Holley 650HP CFM carburetor, part number 80541-1 no modifications
Flywheel	Per tech manual with counterbalance
Clutch	Aftermarket per NWAAS Rule Book LMSC Section 20F-10.1
Harmonic balancer	Per tech manual p/n 88960604 diameter 8"
Headers	Aftermarket per NWAAS Rule Book LMSC Section 20F-9.1