

CARAWAY SPEEDWAY LATE MODEL STOCK

2014 RULES & REGULATIONS

Revised 5/20/14

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 2014 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, 19318604 and 88958603 is approved for use in competition.

Ford part number M6007-D 347SR are approved for use in competition.

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.

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. The Holley Carburetor part#0-80507-1 390 CFM may be an optional carburetor for crate engines. 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 for Chevy Crates ONLY! **FORD CRATE MAY NOT HAVE A SPACER PLATE BETWEEN CARB AND INTAKE!**

E. All 604 crate engine cars must weigh 3075 lbs with a minimum right side weight of 1375 lbs. All 347SR crate engine cars must weigh 3100 lbs with a minimum right side weight of 1390 lbs. All 603 crate engine cars must weigh 3000 lbs with a minimum right side weight of 1350 lbs.

F. The above crate engines are also permitted to run the Holley “390” CFM Carburetor part #80507-1 and weights as stated in the 2014 Nascar Rulebook.

G. Tires are Hoosier F45. All race tires must be purchased at the track. Tire Dealer .

Caraway Tire 336-629-5803 / Practice tires are available during the week at the speedway.

SEE CRATE-TYPE ENGINE SPECIFICATIONS CHART ON NEXT PAGE

Note: For anything not covered, refer to the 2014 Nascar LMSC Rulebook. Track Officials / Track Promoters retain the right to approve or disapprove any issues.

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