

# CRATE LATE MODEL RULES

## ENGINE RULES:

1. GM 1 part number 88958602 & GM part number 88958604  
\*Items that can be changed to service engine are as follows:  
Valve key GM part #12495503  
Valve cap GM part #19171528  
Valve spring GM part #12495494  
\*Any tampering with 1.5 rocker arms GM part #10241740 **ARE GROUNDS FOR DISQUALIFICATION**  
\*Any GM part #'s that are superseded by GM will be considered to be approved by officials.
2. These engines are sealed at the intake manifold, cylinder head, front cover and oil pan with special twist off bolt heads. Spec. engines **MUST NOT** be altered or modified from factory specs.
3. No vacuum pumps.
4. Engine serial number must be clearly visible to series technical inspector.
5. Engine set back **NOT** to exceed six (6) inches from ball joint to number one (1) spark plug.

## CARBURETOR RULE:

1. One four-barrel carburetor only of any manufacturer.  
Main body of carburetor **MUST** be equipped with one (1) annular discharge booster or barrel (as per Holley 4150 series ) centered in each of the venturies for fuel distribution will be allowed inside of the carburetor.  
**NO** sensors of any kind may be ran to the headers or carburetor.  
**NO** vacuum pumps or evacuation systems of any kind can be ran to engine.  
**NO INDIVIDUALLY CHAMBERED TUNING ALLOWED (ICT)**
2. Engine must be naturally aspirated.
3. 604-may use one carburetor spacer (1 inch piece with .040 tolerance maximum) and two standard paper gaskets (maximum 0.070 inch thick), one gasket between intake to spacer and one gasket between spacer to carburetor.
4. 602-may use one carburetor spacer (2 inch-one piece with .040 tolerance maximum) and two standard paper gaskets (maximum 0.070 inch thick), one gasket between intake to spacer and one gasket between spacer to carburetor.
5. Carb spacers must **NOT** protrude into carb or intake at any point.

## DISTRIBUTOR RULE:

1. Any ignition with the exception of magnetos.
2. No traction control devices.
3. No 7AL boxes.

## WATER PUMP RULE:

1. Cast or aluminum permitted. **NO** electric pumps allowed.
2. No electric fans. Fans **MUST** be driven by water pump.

**EXHAUST RULE:**

1. Collector type headers required, they MUST have four (4) tubes into one (1) collector of a consistent diameter. Tri-y headers or merged headers, reversed coned, square tube or 180 degree headers are NOT allowed.

**FUEL CELL/FUEL PUMP RULES:**

1. An approved fuel cell (32 gallon max.) must be securely mounted in the trunk area of the car, inside a .20 gauge metal box supported by a minimum of two (2) 1/8" steel straps.
2. Gas only NO methanol
3. Mechanical fuel pumps only.

**TRANSMISSION RULES:**

1. Must have at least one (1) forward and one (1) reverse gear in working order.
2. No straight drives or in and out boxes.
3. Drive shafts MUST be painted white. Carbon fiber drive shafts ARE legal.

**BRAKE RULE:**

1. No carbon fiber brakes. No Titanium brakes.

**FRAME RULES:**

2. All frames must be of steel construction.
3. Square or rectangular frame must have a minimum of 2" by 2" material, .083 wall thickness.
4. Round tube frame, tubing must have a minimum of 1-3/4" outside diameter, .083 wall thickness.

**ROLL CAGE RULES:**

1. All cars must have a suitable steel roll cage protecting the driver's compartment, including headrest.
2. Side roll bars are mandatory and must extend into the door panels. A minimum of three (3) bars must be on the left side
3. Each bar must be at least 1-1/2" diameter, with a minimum thickness of .083".
4. Roll cages must be welded to frame.

**WHEEL RULES:**

1. Any brand or type of wheel allowed but must be mounted with lug nuts.
2. No knock-off or center lock wheels.
3. Maximum wheel width 14". WHEEL BASE: 1. Minimum wheel base is 103".

**TIRE RULES:**

1. Allowed tires: LSB21, LSB55, LM20, LM40 1350 (FRONT ONLY) (unless superseded by series rules)
2. Grooving and siping Is Allowed

## SAFETY RULES:

1. All cars must have at-least a four (4) point racing harness, NOT more than 3 years old and must have id tags attached to show manufacturing date.
2. All drivers MUST wear a complete fire suit.
3. Gloves are recommended.
4. Fire extinguishers are strongly recommended.
5. Raceceivers and Transponder are REQUIRED ANY TIME DRIVER IS ON TRACK and MUST be in working order to participate in ANY event. (including hot laps)

## WEIGHT RULES:

1. GM crate engine #88958602 (602 engine) 2200 lbs. both pre and post race.
2. GM crate engine #88958604 (604 engine) 2300 lbs. both pre and post race.
3. Attached weight MUST be securely bolted to the frame with 1/2 or larger bolts (minimum of 2 bolts). Any weights lost during a racing event WILL be just cause for disqualification from said event. (MAKE SURE ALL WEIGHTS ARE SECURLY MOUNTED)
4. Added weights MUST be painted white and have car number displayed.
5. Note: If utilizing E-85 fuel, must add 50 lbs. to above weights.

## BODY:

Drawing from [www.indianalatemodelseries.com](http://www.indianalatemodelseries.com)

