

SECTION 4K – LEGEND CARS

DESIGNATION

LC, preceded by competition number.

All Legend Cars must be manufactured by U.S. Legend Cars International (formerly 600

Racing, Inc.) as “Stock” or “Original Equipment Manufacturer/OEM” or “Aftermarket”

produced by INEX approved manufacture other than Original Equipment Manufacturer. Refer to U.S. Legend Cars International 5245 NC Hwy 49 South, Harrisburg, NC 28025.

The minimum car weight is 1100 pounds. The minimum weight of the car with the

driver is 1300 pounds.

Any competitor running quicker than 12.50 e.t. in the quarter-mile or 7.99 e.t. in the

eighth-mile or faster than 110 mph at any time will be disqualified from the event.

See additional rule requirements at the end of the Legend Cars section for the state of

New Jersey.

Competition structure will be conducted in an E.T. dial-your-own format.

Competition

permitted with E.T. Motorcycles, E.T. Snowmobiles, All-Terrain Vehicles or Legend

Cars only. *Competition with standard full sized closed or open-bodied vehicles, Jr.*

Dragsters or Jr. Comp Dragsters is prohibited.

REQUIREMENTS AND SPECIFICATIONS

ENGINE: 1

ENGINE SERIAL NUMBERS (1/13/2010)

The engine must remain a factory-stock Yamaha FJ1200/XJR1200 or a sealed Yamaha XJR1250 as currently delivered through 600 Racing, Inc. A Yamaha FJ1200/XJR1200 from other countries (Canada, England, etc.) or an FJ1100 may only be used if it meets all the specifications of the U.S. model as delivered through 600 Racing, Inc.

EXHAUST SYSTEM (1/13/2010)

The header and gasket must remain within the stock dimensions. Only INEX-approved S&S or Borla mufflers are MANDATORY. Mufflers must remain stock and may not be internally modified in any way (turning tip away from car is permitted).

CARBURETORS (1/13/2010)

The carburetors and components of the carburetors must remain as stock Yamaha.

OIL CATCH CANS (1/13/2010)

An oil catch can (maximum one-quart capacity) may be used.

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OIL COOLERS & LINES (1/13/2010)

Oil coolers must be cooled by air only Aftermarket oil coolers are permitted.

FUEL (1/13/2010)

Only petroleum-based unleaded or leaded gasoline.

FUEL CELL (1/13/2010)

Approved fuel cells (plastic or metal) must be stock as delivered by 600 Racing.

FUEL FILTER (1/13/2010)

Aftermarket fuel filters may be used. No glass fuel filters will be permitted.

FUEL LINES (1/13/2010)

Fuel lines may not be located in or run through the driver's compartment of the frame.

Steel braided fuel lines are mandatory.

FUEL SHUT-OFF VALVE or FUEL REGULATOR (1/13/2010)

Aftermarket fuel shut-off valves and fuel regulators are permitted.

DRIVETRAIN: 2**CLUTCH (1/13/2010)**

The clutch (plates and springs) may be replaced with any aftermarket type of the same design (no aluminum clutch plates).

TRANSMISSIONS (1/13/2010)

The transmission and transmission gears must remain stock Yamaha FJ1200/XJR1200/XJR1250 (sealed) as delivered by 600 Racing, Inc.

REAR AXLES (1/13/2010)

The long and the short rear axles must remain stock. If one piece axles are used, they must be stamped INEX and be as delivered by 600 Racing, Inc.

REAR ENDS (1/13/2010)

Only 10 bolt pattern/wide flange (5/8") Toyota, locked-steel rear ends are permitted.

DRIVESHAFT (1/13/2010)

The driveshaft, flanges, and u-joints must remain within the stock dimensions, steel thickness, location and configurations as currently delivered by 600 Racing, Inc.

DRIVESHAFT RETAINERS (1/13/2010)

An INEX-approved driveshaft retainer strap is permitted. A maximum of three (3) retainers of 1/4" thickness and 3/4" width are permitted.

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BRAKES & SUSPENSION: 3**BRAKES (1/13/2010)**

Any of the brake parts that are attached to the rear end or the spindles must remain stock, within the stock dimensions, steel thickness, location and configurations as currently delivered by 600 Racing, Inc.

BRAKE ROTORS (1/13/2010)

Only steel rotors (not drilled or reduced in diameter) are permitted on the front. The minimum permitted thickness of the brake rotor is 8mm wide.

BRAKE DRUMS (1/13/2010)

Only steel drums (not drilled or lightened) are permitted on the rear.

BRAKE & CLUTCH LINES (1/13/2010)

Rubber, hard-line or steel-braided brake and clutch lines are permitted.

STEERING WHEELS (1/13/2010)

Larger or smaller steel steering wheels are allowed, aluminum steering wheels are allowed. Racing style, quick release steering hubs are mandatory.

RACK & PINION STEERING (1/13/2010)

Only the rack & pinion steering box as currently delivered and stamped 600 Racing, Inc. (or Mid-State Machine) is permitted.

FRAME: 4**FRAME (1/13/2010)**

Absolutely no modifications of the frame (including roll cage) will be permitted. All frames must have 600 Racing, Inc. I.D. plate secured on the frame, inside left main frame rail.

ROLL BAR PADDING (1/13/2010)

Roll bar padding SFI-45.1 on all bars within 12" of driver's helmet is required.

FIREWALL (1/13/2010)

A metal firewall is mandatory. Firewall must be installed as currently delivered by 600 Racing. Using a "thicker than stock" metal firewall is permitted.

WHEELBASE (1/13/2010)

All cars must compete with O.E.M. wheelbase.

WHEELS & TIRES: 5**TIRES (1/13/2010)**

The tire must be a "Legends Edition" 205/60R13 BFGoodrich T/A Comp HR4. Tire may not be soaked, softened, siped (razor cuts), grooved or recapped. The raised white

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letters of the BFGoodrich Tires logo must face towards the outside of the car and be visible at all times.

WHEELS (1/13/2010)

Any type of automotive steel wheel (no bead lock) as delivered by 600 Racing that has a 13" diameter and a 7" width and the offset of 3" to 3 1/4" from back rim edge to back of wheel center is permitted. The minimum weight of a tire and wheel must be at least 36.0 pounds without additional weights. All wheel weights must be covered with duct tape. Bleeder or relief valves are not permitted in the wheels.

INTERIOR: 6**SEATS (1/13/2010)**

Only INEX-approved factory-manufactured metal seats may be used.

WINDOW NET (1/13/2010)

Mandatory.

BODY: 7**AERODYNAMICS (1/13/2010)**

Spoilers, air dams or other aerodynamic devices are not permitted.

FIBERGLASS COMPONENTS (1/13/2010)

All fiberglass components must remain within the stock dimensions, thickness, location and configurations as currently delivered by 600 Racing, Inc.

HOOD (1/13/2010)

Hood louvers are permitted. Replacing the self-locking fasteners on the hood with pins permitted.

SHEET METAL (1/13/2010)

The minimum thickness of sheet metal is .036". The rear deck sheet metal (including the package tray behind the driver) may not be removed or altered in any way unless a fuel cell access hole is used. The fuel cell access hole must be covered with a sheet metal plate and secured at all times when the car is on the track.

WINDSHIELDS/SCREENS (1/13/2010)

All cars must have either a screen or lexan windshield.

ELECTRICAL: 8**BATTERY (1/13/2010)**

The battery must remain in its stock location and securely mounted. A battery shut-off switch is mandatory.

DELAY BOX/DEVICE (1/13/2010)

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Prohibited. The use of throttle stops, delay devices, timed vehicle-control devices (counters, time displays, etc.) are prohibited. Data recorders prohibited.

IGNITION SYSTEM (1/13/2010)

The complete ignition/engine control system must be the original OEM parts for the Yamaha FJ1200/XJR1200/XJR1250. Electronic throttle (traction) controls are not permitted. In-line fuses only are permitted (no fuse blocks are permitted). Ignition pickup coil wires must run directly to the ignition box and may not be taped or tie wrapped to other wires. No open wires or unused connectors allowed within reach of the driver.

Ignition Control Box - The stock FJ1200/XJR1200/XJR1250 ignition control box (black box) or the red ignition box (marked INEX-Approved and delivered by 600 Racing, Inc.) are the only boxes permitted to be used and they may not be altered or relocated in any way. Only one ignition box is permitted on a car (multiple boxes are illegal). The original stock FJ1200/XJR1200/XJR1250 rev limiting system must be in proper working condition and may not exceed 10,500 rpm.

SUPPORT GROUP: 9**FIRE EXTINGUISHERS (1/13/2010)**

On-board fire extinguisher required.

DRIVER: 10
CREDENTIALS (1/13/2010)

Valid state, government issued driver's license beyond a learner's permit level, or NHRA Competition Licenses mandatory. Drivers must be at least 16-years of age. See General Regulations 10:4.

HELMET (1/13/2010)

Full-face Snell SA2000, SA2005, or SFI 31.2A helmet mandatory.

FIRE RETARDANT GLOVES (1/13/2010)

Fire retardant gloves are mandatory. Gloves must have SFI 3.3/1.

FIRE SUIT (1/13/2010)

All drivers must wear a fire retardant suit or jacket and pant with SFI 3.2A/5.

SAFETY HARNESS (1/13/2010)

Three-inch driver restraint system meeting SFI spec 16.1 mandatory. Must be updated at 2 year intervals from date of manufacture.

RACING SHOES (1/13/2010)

Drivers must wear shoes SFI 3.3/1.

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NECK RESTRAINT SYSTEM (1/13/2010)

Neck Collar meeting SFI spec 3.3 mandatory. An SFI-approved head and neck restraint device/system is permitted. When using a head and neck restraint device/system, at all times that the driver is in the race vehicle, from the ready line until the vehicle is on the return road, driver must properly utilize the SFI-approved head and neck restraint device/system, including connecting the helmet as required for full functionality of the device. The device/system must meet SFI Spec 38.1 and must display a valid SFI label. The head and neck restraint device/system, when connected, must conform to the manufacturer's mounting instructions, and it must be configured, maintained, and used in accordance with the manufacturer's instructions. A head and neck restraint device can be used with or without, a neck collar; when a neck collar is not used, an SFI 3.3 head sock or SFI Spec. 3.3 skirted helmet is required.

NEW JERSEY STATE REQUIREMENTS (1/13/2010)

The following modifications to a Legend Car are required to race in NJ:

- 1.) Steel plates welded onto existing passenger side door.
- 2.) Nomex boot attached to seat back covering the existing safety harness hole.
- 3.) Fuel shut off switch must be located on the top horizontal shelf behind driver's right shoulder on flat sheet metal. Switch must be clearly marked with red tape, ON - OFF.
- 4.) Plastic battery box.
- 5.) Pad on steering wheel.
- 6.) Remove threaded rods on existing fuel cell bars and replace with 5/16" bolts through fuel cell bar. Bushings must be installed in holes drilled for new bolts passing through fuel cell bars.
- 7.) Add to the door strike plates with 3/16" thick, 1-1/2" x 1- 1/2" angle iron that is 5" in length. Weld the angle iron on each door strike plate so that the angle iron prevents the door from closing in towards the driver.