

CLASS 3000

DESERT LITES- SPEC MINI CAR, TRUCK, OR SUV WITH SPEC ENGINE SEALED PRODUCTION MOTORS

TWO OR THREE SEAT OPEN WHEELED MINI CAR, TRUCK OR SUV.

GENERAL REGULATIONS

CLASS ENTRANTS SHALL COMPLY WITH ALL CLASS AND APPLICABLE GENERAL REGULATIONS.

COMPETITION REGULATIONS

This is an engine spec class and all components will be considered spec unless it states otherwise within these class rules. Engines will be spec crate engines from Ford & GM manufacturers. Engines must be sealed and tagged by Turnkey Engine Supply. **Motor must be tagged prior to start of race or penalties up to and including disqualification can be assessed.** Only engine kits listed will be allowed. All engines regardless of manufacture, Ford or GM, must be purchased through Turnkey Engine Supply. Turnkey Engine Supply will tag and seal the engines before being shipped to the customer. Contact Turnkey Engine Supply for more information.

Turnkey Engine Supply at www.turnkeyenginesupply.com
3915 Oceanic Drive, Oceanside, CA, 92056, 760-966-2663

VEHICLES WILL NOT TO EXCEED **118"** WHEELBASE AS MEASURED AT RIDE HEIGHT

Note: The SCR abbreviations refer to the cross-reference listings in the front of this book and are part of the class rules. Where a conflict between the cross-referenced listings and a rule contained under this class occurs, the rule contained under this class has precedence.

SAFETY EQUIPMENT

- SCR1: HELMETS
- SCR2: PROTECTIVE CLOTHING
- SCR3: EYE PROTECTION
- SCR4: HEAD AND NECK RESTRAINTS
- SCR5: FIRST AID KIT
- SCR6: BREAKDOWN SAFETY DEVICES
- SCR7: HORNS
- SCR8: REFLECTORS
- SCR9: FIRE EXTINGUISHER
- SCR10: SURVIVAL SUPPLIES

SUSPENSION COMPONENTS

SCR11: SHOCK ABSORBERS & BUMP STOPS - SHOCK ABSORBERS SHALL NOT EXCEED 3.5" OD. WHEEL TRAVEL IS UNRESTRICTED. FRONT SUSPENSION IS OPEN.

SCR12: SECONDARY SUSPENSION

SCR13: WHEELS & TIRES

Maximum tire size of 35" tall

Knock-off hubs are **NOT** permitted

SCR14: FASTENER

STEERING & BRAKE COMPONENTS**SCR15: STEERING**

SCR16: BRAKES - STEERING OR TURNING BRAKES ARE PERMITTED.

ELECTRICAL SYSTEM**SCR17: IGNITION**

Control pack programming is permitted but must have easy access for removal and visual inspection.

SCR18: BATTERIES**SCR19: LIGHTS - BLUE LIGHT FACING REAR, MANDATORY****SCR20: STARTER****FUEL SYSTEM****SCR21: FUEL****SCR22: FUEL TANKS** - SAFETY FUEL TANKS ARE REQUIRED**SCR23: FUEL FILLER VENTS AND CAPS****ENGINE DIFFERENTIAL AND TRANSMISSION**

SCR24: Engine is limited to a 4-cylinder motor. Only those engines listed here are permitted. See below:

For Transaxle, open wheel vehicles:**ENGINE LOCATION IS OPEN. ENGINE IS LIMITED TO STOCK PRODUCTION GM**

ECOTEC 4 CYL 2.2 AND 2.4 MOTORS. PISTONS - Stock pistons only replacement pistons must maintain stock dimensions. **CAMSHAFT** - Stock camshaft or equal replacement only. Camshaft must retain original manufacture specifications. **HEAD/VALVETRAIN** - Must remain per manufactures original specification. After-market valve-train is prohibited No porting or polishing of head. Must retain manufactures original specifications.

INTAKE MANIFOLD - Intake manifold will remain as delivered from manufacture. It must retain its stock shape size, and configuration. No porting or other modifications allowed.

THROTTLE BODY - Throttle body to remain as delivered from manufacture, not to exceed 65mm on blade.

Turnkey Engine Supply must inspect, tag and seal the engines prior to start of race or penalties up to and including disqualification can be assessed.

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For Live Axle equipped Truck or SUV:

Engines must be mounted in the front of the vehicle like a truck with all pulleys facing forward. No mid or rear engine truck or SUV chassis configurations will be allowed.

1. FORD 2.3 TURBO ECOBOOST ENGINE, CONTROL PACK #**M-6007-23TA** WITH CONTROL PACK #**M-6017-23TA** WITH 310 HP AND 320 FT LBS TORQUE.
2. GM 2.0 TURBO ECOTEC 260 HP WITH 260 FT LBS TORQUE, **GM LHU MOTOR**
3. GM 2.7 TURBO ECOTEC 300 HP WITH 340 FT LBS TORQUE. 2019 NEW MOTOR

All engines regardless off manufacture must be purchased, sealed and tagged by Turnkey Engine supply before being shipped to end user. All parts that come on the engine kit will be considered part of the engine including intake-upper and lower, valve covers, oil pan. No engine rebuilds are permitted. If engine fails a new sealed engine must be installed.

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(1) One Exception only – Any Race Vehicle that has participated in a **BITD** event in Class 3000 prior to 1/1/2019 will be grandfathered into this class for 2019 and 2020 season, under the 2018 Class 3000 rules.

SCR26: ALL VEHICLES MUST USE PRODUCTION BASED REAR WHEEL DRIVE AUTOMATIC OR MANUAL TRANSMISSIONS.

SCR26.5 DIFFERENTIAL**TRANSAXLE VEHICLES**

MUST USE PRODUCTION BASED TRANSAXLE SYSTEM

LIVE AXLE VEHICLES

Rear axle assembly must use a light automotive type straight axle housing with a standard Ford 9" removal type ring and pinion third member, standard type bearings, Drive plate, floating hub is to be used, ring and pinion is to be no larger than 9' with axles no larger than 40 spline, gear ratio is open. 2- or 4-wheel drive is open.

SCR27: THROTTLES**SCR28: EXHAUST****SCR29: DRIVESHAFTS****SCR30: FLYWHEEL SHIELDS****SCR31: FLUID COOLERS****SCR32: AUXILIARY EQUIPMENT****SCR33: SUPERCHARGERS AND TURBOCHARGERS.**

FACTORY SUPPLIED TURBOCHARGERS ARE ALLOWED. SEALED BY TURN KEY ENGINE SUPPLY

VEHICLE SAFETY EQUIPMENT**SCR34: ROLL CAGES****SCR35: SAFETY HARNESS****SCR36: SAFETY NETS**

SCR37: Minimum of two (2) and Maximum of three (3) seats may be used.

GENERAL VEHICLE COMPONENTS**SCR38: DRIVERS COMPARTMENT****SCR39: DOORS AND LATCHES****SCR40: FIREWALLS****SCR41: BALLAST****SCR42: WEIGHT. NO MINIMUM WEIGHT LIMIT****SCR43: FLOORBOARDS****SCR44: BUMPERS****SCR45: MIRRORS****SCR46: SKID PLATES****SCR47: STORAGE****SCR48: FENDERS.**

Vehicle must have fenders if equipped with a live axle. Body and motor must match and resemble a truck or SUV with emblem of manufacturer type (i.e. Ford Oval or Chevy Bowtie)

SCR49: CHASSIS

WHEELBASE IS LIMITED TO 118"

TRACK WIDTH IS OPEN.

SCR50: HOSES**SCR51: IDENTIFICATION MARKERS. BITD WILL ASSIGN VEHICLE NUMBERS****SCR52: ADVERTISING ON VEHICLES****SCR53: WORKMANSHIP****SCR54: RADIO EQUIPMENT**