Trophy Truck Spec

Updated 2.14.24

OPEN PRODUCTION – Limited Sealed Engine

Competition Numbers 200 - 299

DEFINITION

Limited 4-wheel vehicles similar in appearance and size to SCORE Trophy Truck®
Class limited to specified Sealed Motors with maximum 525 hp. Two (2) wheel drive only **
Must use TH400 Transmission. Must have solid rear drivetrain. Underdrive units are allowed.

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations.

COMPETITION REGULATIONS

To view these complete sections, click on the following links

General Regulations - http://score-international.com/raceinfo/rule-book/general-regulations-2/

Competition Regulations - http://score-international.com/raceinfo/rule-book/competition-regulations/

Click back button or tab between windows to return to this page

This class is an open production class and all components will be considered open unless restricted herein. Due to the mid-March 2024 date for the San Felipe 250, vehicles that raced SCORE previously, and do not meet these updated specifications will be allowed to compete in this San Felipe 250 event only. Effective April 1, 2024, all rules listed herein will become effective in their entirety.

NOTE: *The CR abbreviations listed under this class (i.e.CR1 HELMETS) refer to cross reference listings in the Competition Regulation section on this website. These cross-referenced listings are part of the class rules. Where a conflict occurs between the cross-referenced listing and a rule contained under this class, the rule contained under this class has precedence.*

SAFETY EQUIPMENT

CR 1 HELMETS and HEAD AND NECK RESTRAINTS
CR 2 PROTECTIVE CLOTHING
CR 3 EYE PROTECTION and DENTURES
CR 4 FIRST AID KIT
CR 5 EMERGENCY SIGNALING DEVICES
CR 6 HORNS
CR 7 REFLECTORS
CR 8 FIRE SUPPRESSION EQUIPMENT
CR 9 SURVIVAL SUPPLIES

SUSPENSION COMPONENTS

Track width is open
CR 10 SHOCK ABSORBERS and BUMP STOPS
CR 11 SECONDARY SUSPENSION
CR 12 WHEELS and TIRES - No Restrictions
CR 13 FASTENERS

STEERING AND BRAKE COMPONENTS

CR 14 STEERING
CR 15 BRAKES

ELECTRICAL SYSTEM

CR 16 IGNITION
CR 17 BATTERIES
CR 18 LIGHTS
CR 19 STARTERS

FUEL SYSTEM

CR 20 FUEL
CR 21 FUEL TANKS - Racing Fuel Cells are mandatory.
CR 22 FUEL FILLERS LINES, VENTS, and CAPS

ENGINE, TRANSMISSION AND DRIVELINES

CR 23 ENGINE and ENGINE DISPLACEMENT – **UPDATED 02. 14, 2024**

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Must use one of the following approved sealed engines - 525 horsepower is maximum limit.
Maximum of eight (8) cylinder engines allowed in this class.

Following engines are approved for SCORE TT Spec class: ***NOTE: Part nos. updated 7.24.18 and 3.13.20***

GM LS3 V8 (525 HP) part no. 19370413 (previous no.19301366) with GM Controller Kit part no. 19354332. ECU unit only 19354333 (previous no.19258270}

Teams running a LS525 RLB GM Sealed engine are required to register engine with SCORE Technical Director prior to competing in first SCORE event.

FORD 3.5L twin turbo Ecoboost® engine and Control Pack Kit part no. M-6000-35TK

All new crate engines must be purchased from SCORE Engine Sealing Centers. Engines must be shipped directly from OE manufacturer to SCORE Centers listed below. Engines must be in original shipping containers and engines will be sealed, tagged and returned in original crate!

CBM / Chris Bland x2001	909.291.7550	725 S La Cadena Dr	Colton CA 92324
Danzio Performance	951.245.2537	506 Central Ave	Lake Elsinore CA 92530
Dugan's Racing Engines	951.681.1961	9072 Limonite Ave	Jarupa Valley CA 92509
Redline Performance	714.777.5758	1380 N. Lakeview Ave	Anaheim CA 92708
Roush Engine…	Info Pending		
Turn Key Powertrain	760.966.2663	3915 Oceanic Dr Ste. 6	Oceanside CA 92056
Wix Racing Engines	702.837.2522	3265 Birtcher Dr	Las Vegas NV 89118

IMPORTANT - GM and Ford crate engines must be purchased direct from SCORE Engine Sealing Centers listed above.

Salvage Yard Engines – No previously used or rebuilt engines are allowed in this class.

GM: LS engines must use factory GM LS style wet sump oil pan; no aftermarket pans are permitted.

GM: OEM pans may be modified to fit chassis. Modified pans must use stock baffling. **NO INCREASE** in volume is permitted.

Pans must be inspected and installed by SCORE Service Center when engine is sealed. No Dry Sump oil systems allowed. All GM engines will be open to any GM wet sump oil pan but must be approved and installed by SCORE Authorized Sealing Center Technicians.

Ford: No Dry Sump oil systems allowed. All Ford engines must use wet sump stock oil pan as delivered in the engine kit from the manufacturer. Ford pans may be modified to fit chasses, modified pans must use stock baffling and no increase in volume is permitted. Pans must be inspected and installed by SCORE Authorized Sealing Center Technicians at time engine is sealed.

- **After-Market ECUs are NOT allowed**
- **Billet Fuel Rails are allowed.**
- **Water Pumps are open, must be mechanical factory concept, no electric pumps allowed.**

Following are adjustments or replacements that are allowed to be performed by authorized SCORE Engine Sealing Center:

- **Re-torque heads and rocker arms, main bolts, rod bolts and side bolts**
- **Oil pump may be replaced with Melling M295HV pump or 10296**
- **Cam Chain Tensioner Part No. GM #12588670**

Following modifications are NOT ALLOWED:

- **NO Aftermarket ECUs**
- **NO Rebuilding of crate engines or any used engines.**
- **NO Aftermarket Camshaft replacement – Factory cam upgrade to 525 hp allowed - see Pg 3.**
- **NO Balancing**
- **NO Engine Block Decking**
- **NO Line Boring**

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Following modifications are NOT ALLOWED: *continued*

- **NO Dry Sumps**
- **NO push rod upgrades**
- **No aftermarket cylinder head bolts or gaskets and rod or main bearings**

PROTESTS – To maintain the integrity of this spec engine class, a fee of $10.000 USD will be required to file a protest against another competitor.

Official sealed engines from the above companies will be identified with **SCORE sealing tags** indicating engine is acceptable for SCORE competition. Engines will have **FIVE (5) separate tags**. Locations are:

2- One on each valve cover **1 - intake manifold**

1- Oil pan **1- Timing Chain Cover**

IMPORTANT - All SCORE engine sealing tags will be JB welded in place
Any tampering with seals or a missing sealing tag will result in automatic DQ.

Upgrading 430 hp LS3 Engines - 430 hp LS3 engines may be upgraded to 525 hp versions **ONLY** by upgrading to **GM camshaft part no. 88958770**. All conversion work must be done by SCORE Authorized Sealing Technicians only. Engine must be re-sealed by SCORE Sealing Center after cam is replaced.

CR 24 ENGINE REPLACEMENT – Only new crate engines sealed and tagged by authorized SCORE Engine Centers listed above are allowed. Refer to **CR 23** (above) prohibiting rebuilding any used engine.

CR 25 TRANSMISSION - Turbo 400 automatic transmissions only. Single speed underdrive units are allowed. No two-speed units. May be of any manufacture (*Effective 1/1/2019)*

Only exemption**: (a) SCORE Vehicle #230** (4wd) will be grandfathered into these class rules but must comply with the following specifications:

1. Transfer case must be 1:1 ratio in high range only. Transfer case must be sealed, tagged and approved by SCORE Technical Director. Must have lockout installed for low range.

CR 26 THROTTLES - Electronic throttle pedal assembly (fly-by-wire) allowed only if included as part of engine control pack delivered direct from manufacturer.

CR 27 EXHAUST - Open

CR 28 DRIVE SHAFTS - Open

CR 29 FLYWHEEL SHIELDS - Open

CR 30 FLUID COOLERS

CR 31 AUXILIARY EQUIPMENT

VEHICLE SAFETY EQUIPMENT

CR 32 FORCED INDUCTION - Must be supplied as part of OEM engine package. No aftermarket units allowed in this class.

CR33 ROLL CAGES

CR34 SAFETY HARNESS

CR35 SAFETY NETS

CR36 SEATING - Maximum of two (2) seats **-** No center seating. Vehicles with three (3) seats require special permission from Tech Director

GENERAL VEHICLE COMPONENTS

CR 37 DRIVERS COMPARTMENT

CR 38 DOORS AND LATCHES

CR 39 FIREWALLS

CR 40 BALLAST

CR 41 WEIGHT

CR 42 FLOORBOARDS

CR 43 BUMPERS AND HAZARDOUS PROTRUSIONS

CR 44 MIRRORS

CR 45 SKID PLATES

CR 46 STORAGE

CR 48 CHASSIS and BODY - Must retain stock Truck or SUV appearance.

CR 49 HOSES

CR 50 IDENTIFICATION MARKINGS

CR 51 ADVERTISING ON VEHICLES

CR 52 RADIO EQUIPMENT

CR 53 WORKMANSHIP

CR 54 TRACKING DEVICE

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