# Trophy Truck Spec

**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. Vehicles that raced SCORE previously, and do not meet these specifications, will be allowed to compete in the 2024 San Felipe 250.only. Beginning April 1, 2024 all specifications herein are in effect.

***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**


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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.**

**The Following engine is approved for SCORE TT Spec class: (NOTE: Part nos. updated 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}**

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

**All new crate engines must be purchased from the 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!**

| | | | |
|---|---|---|---|
| **Danzio Performance** | 951.245.2537 | 506 Central Ave. | Lake Elsinore CA 92530 |
| **Redline Performance** | 714.777.5758 | 1380 N. Lakeview Ave. | Anaheim CA 92708 |
| **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 a SCORE Engine Sealing Center 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 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 or 10296 pump**
- **Cam Chain Tensioner Part No. GM #12588670**

### Following modifications are NOT ALLOWED:

- **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**
- **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 glass, a fee of $10,000 USD will be required to file a protest against another competitor.**


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Officially sealed engines from the above companies will be identified with **SCORE sealing tags** indicating engine is acceptable for SCORE competition. All engines must have **six (6) separate tags**. Tag locations are:

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

**1- Oil pan** **1- Throttle body**

**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 n**ew crate engines sealed and tagged by authorized SCORE Engine Centers listed above 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.
2. Transfer case 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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