

TORC SERIES

COMPETITION RULES FOR

SPORTSMAN FORMULA 4X4 TRUCK

DEFINED AS - Four-wheel drive sport utility class. "Stock" as used here, for "stock frame" is defined as a frame sold as a sport utility passenger vehicle and produced in volume of at least 5,000 units by the original manufacturer. Division rules supersede CCR. Race Numbers are 400 to 499

1. CHASSIS & FRAME

- A. Wheelbase no longer than 110"
- B. The maximum overall width, at stationary ride height, is 82 inches measured from the most outside part of a tires or wheels, regardless if that part of tire touches the ground or not.
- C. Stock frame must be retained and used from the most forward attachment of any front suspension component to the center of rear axel. For example, front horns may be removed but the stock frame must be in place where front of "A arm" or "leaf spring" bolts on
- D. Boxing, gusseting and plating is allowed.

Not Allowed:

Reworking a frame to reduce weight, lower the center of gravity or increase wheel travel such as channeling, kicking or replacing large sections with non- OEM metal.

2. FRONT & REAR SUSPENSION

The suspension may be fabricated components but must retain the same stock concept as the frame of vehicle was originally sold. For example, a frame manufactured with solid axles, front coils and rear leaf springs must use the same in race components and set up.

Allowed:

- A. A vehicle with "A arm" front end or "four link" rear end must also use a frame manufactured with those same style/concept components.
- B. Anti-wrap device.
- C. Hydraulic bump stops with 4 inches maximum travel.
- D. Sway bars.
- E. Four links allowed if OEM on frame used.
- F. Maximum wheel travel front and rear 14 inches.

Not Allowed:

- A. Any "quarter elliptical" spring set up.
- B. "A arm" on an older frame, not originally manufactured with "A arms".

3. SHOCKS

Shocks are 2 inches maximum diameter, 14 inches maximum travel, with no limit to quantity per wheel.

Allowed:

- A. 2 ½ inch or 3 inch diameter shocks may be used but, only one shock per wheel.
- B. Remote reservoir canister shocks are allowed.

Not Allowed:

- A. Coil over shocks.
- B. External valves.
- C. Bypass shocks.

4. *STEERING*

Any design of steering is acceptable provided that it does not impede driver from exiting vehicle and is safe and durable.

5. *BRAKES*

Any stock or aftermarket combination of brake components is allowed. The vehicle will be required to demonstrate that all four wheels lock, prior to racing.

6. *RIDE HEIGHT*

All vehicles must clear 12 inches below the lowest point of the transfer case to level ground. Transfer case must be bolted to the back of the transmission as manufactured (i.e., same bolt holes).

7. *VEHICLE WEIGHT*

A. Vehicles under 95 inches in wheelbase must weigh at least 3,500 pounds at pre-race with the driver.

B. Vehicles from 95 to 110 inches in wheelbase must weigh at least 3,800 pounds at pre-race with driver.

C. Any vehicle using aluminum cylinder heads must weight a minimum of 4,100 pounds.

D. All 2 valve engines must be 10 pounds per cubic inch and all multi valve engines must be 12 pounds per cubic inch.

8. *BODY*

The body must match the silhouette of a vehicle produced in quantities of at least 5,000 per year.

9. *BUMPERS*

Refer to the CCR paragraph 13. BUMPERS

10. *ENGINE*

Maximum engine size is 430 cubic inch displacement

Allowed:

A. Head porting or polishing.

B. Roller cams.

C. Piston Changes.

D. Stroke and bore changes.

E. Aluminum heads allowed but total vehicle weight must be over 4,100 pounds (see #6 above).

F. Rod and crankshaft changes, accu-sumps, cooling and oiling modifications.

G. Dry Sumps

Not Allowed:

A. Titanium connecting rods or crank shafts.

B. Crank fire ignitions.

C. Aluminum engine blocks unless OEM for that chassis.

D. Heads having intake and exhaust chambers in different than stock configurations.

11. *CARBURETOR/FUEL INJECTION*

Allowed:

A. One four-barrel carburetor.

B. One Predator one-barrel carburetors.

C. Fuel injection if engine is 360ci or less and the fuel injection system, including injectors, is 100% stock OEM for that engine.

Not Allowed:

A. Any aftermarket fuel injector or parts.

B. Blowers or superchargers or turbochargers.

C. Water vapor injection.

D. N.O.S. nitrous oxygen systems.

E. Alcohol or other exotic fuels.

12. TRANSMISSION

- A.** Any combination of manufactured and/or aftermarket components are allowed.
- B.** Conventional drive system must be used.
- C.** No aftermarket under/over drive or viscous drive units.
- D.** All parts must be available at normal retail outlets.

13. TIRES & WHEELS

- A.** 33x12.5 D.O.T. legal tires or smaller, only.
- B.** 16 inch rims or smaller, only

14. RADIOS

- Frequency must be registered with TORC Series.
- Refer to COMBINED CLASS RULES (CCR), paragraph 37.

ALL CCR APPLY AS SET FORTH IN THIS TORC SERIES RULEBOOK