

2026

RULES



SOUTHERN OUTLAW RACING ASSOCIATION

7/7/2026

Southern Outlaw 632

Race Format

- 1/8 Mile Competition
- .400 Pro Tree
- Chip Draw: Chip color decides lane choice. Color will be decided before the first-round draw
- Two Qualifying passes for points only (no ladder; all-run field up to 16 cars)
- Maximum one bye run per competitor per event unless unavoidable due to competition breakage or uneven field size
- All run field due to chip draw (unless over 16 cars)

ENGINE COMBINATIONS & MINIMUM WEIGHTS

OEM Bore Space Required

Combination	Maximum CID	Minimum Weight
Big Block Naturally Aspirated	640 CID	2,225 lbs
Big Block Nitrous Single Kit (.036 Max Jet)	640 CID	2,550 lbs
Big Block Nitrous Single Kit (.044 Max Jet)	640 CID	2,750 lbs
Big Block Nitrous Two Kit (.040 Max Jet Per Kit)	640 CID	2,800 lbs

Weight Adders

- +40lbs Ford OEM Bore Spacing Engine Platform
- +25 lbs Four Forward Speeds
- +50 lbs Five Forward Speeds

Weight Deductions

- 50 lbs Conventional Cast Cylinder Heads
- 50 lbs 2-Speed Non-Lockup Nitrous Combination

Maximum total deduction permitted: 100 lbs

All weights are measured with driver at completion of any run.

NITROUS OXIDE

Single Kit Combinations

- Single stage only (one jet per cylinder)
- Maximum .036 nitrous jet supplied @2550lbs
- .044 jet supplied @2750lbs
- Maximum one 15-pound bottle

Two Kit Combinations

- Maximum two stages (two jets per cylinder)
- Maximum .040 nitrous jet per stage supplied @2800lbs
- Maximum one 15-pound bottle
- Progressors permitted
- The SO 632 category will now have spec jets for all nitrous oxide-assisted cars. At each event, you will pick up your jets, and upon elimination/completion of the event, you will turn them back into the SO632 tech department, under the direction and acknowledgement of a PDRA tech official. Upon arriving at every PDRA national event, all 632 competitors will need to take their cars to tech, with front ends off, and ready to randomly pick their jets and install at tech, while an official seals each jet individually. After you have been eliminated from competition, you will need to stop at the scales and turn in your jets after your run, again, with an official for integrity purposes. All jets must be turned back in after every event for legality reasons.

Universal Nitrous Rules

- Nitrous push systems prohibited
- Nitrous oxide may not be mixed with any other chemical agents
- Water injection prohibited
- Bottle cooling prohibited
- Nitrous bottle heaters permitted
- Brass jets prohibited
- Modified jets prohibited
- Maximum nitrous feed line length: 15 feet
- All unused nitrous lines must be capped
- Bottle temperature subject to inspection at any time

ENGINE

- Any cast or billet engine block permitted
- Maximum displacement
 - Big Block: 640 CID
- Billet cylinder heads permitted
- Maximum two valves per cylinder
- Maximum one spark plug per cylinder
- EFI permitted
- Carburetors permitted
- Any intake manifold permitted
- Dry sump oil systems permitted
- Turbochargers prohibited
- Superchargers prohibited
- Water injection prohibited

TRANSMISSION & DRIVELINE

- Automatic transmissions permitted
- Manual transmissions permitted
- Clutchless transmissions permitted
- Maximum five forward gears
- Lock-up converters (prohibited)
- Pneumatic, electric, hydraulic, and air shifters permitted
- Trans-brakes permitted
- Bruno drives permitted

CHASSIS

- Full chassis permitted
- Back-half chassis permitted

- Current SFI certification required
 - Minimum wheelbase: 90 inches
 - Maximum wheelbase variance side-to-side: 1 inch
 - Wheelie bars permitted
 - Ground clearance:
 - o Minimum 3 inches from front bumper to 12 inches behind front spindle centerline
 - o Minimum 2 inches for remainder of vehicle
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TIRES & WHEELS

- Maximum rear tire size:
 - o 35 x 17 x 16 Bias-Ply Slick
 - SFI-approved rear wheels required on vehicles running:
 - o 4.10 seconds or quicker
 - o 170 MPH or faster
 - Beadlocks strongly recommended
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BODY

- Full-bodied vehicle required
 - Factory OEM appearance required
 - Two functional doors required
 - Front overhang limited to 45 inches from front spindle centerline
 - Hood scoop permitted
 - Fixed rear wing or spoiler permitted
 - Wings and spoilers may not be adjusted during a run
 - Functional taillight required
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SAFETY: ALL NHRA RULES APPLY

- SFI 16.1 or 16.5 harness mandatory
- SFI 38.1 head and neck restraint mandatory

- SA2020 or newer full-face helmet mandatory
 - Parachute mandatory
 - Current competition license required for speed and car type (any sanctioning body)
 - Current chassis certification required
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ELECTRONICS

Permitted

- Data acquisition systems
- Data loggers
- EFI systems
- Grid ignition systems
- Two-step rev limiters
- High-side rev limiters