



STICK SHIFT / BANGER

GENERAL OVERVIEW

Stick Shift / Banger is a class designed to show case the LS and LT(Current Generation) engine combinations using a manual transmission in an 1/4 mile heads-up format. Combinations are required to utilize a clutch assisted "H" pattern shifted transmission.

CLASS DESIGNATION = SS

QUALIFYING INFORMATION, LADDER TYPE and TREE

All Run, 1/4 Mile, Heads up, .400 Pro Tree, Chip Draw Pairing every round

BASE WEIGHT

No minimum weight

REQUIREMENTS & SPECIFICATIONS

ENGINE

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Must be powered by a GM LS or LT(Current Generation) style power plant.

OIL RETENTION DEVICE:

Diapers Required on 9.99 ET and Faster Entries.

POWER ADDERS & POWERTRAIN

Any power adder or combination of multiple power adders permitted.

DRIVETRAIN

TRANSMISSION

Must be Clutch Assisted "H" pattern shifted manual transmission.

FRAME

CHASSIS

Stock-type chassis permitted. Rear back half, 4-link, or ladder bar type chassis permitted. Full tube-type chassis, Dragsters and Altered vehicles prohibited.

All vehicles must have a chassis that meets the guidelines set by SFI for their respective speed and elapsed time. A valid NHRA serialized Chassis sticker is mandatory for any car running 9.99 (6.39 = 1/8 mile) or quicker, or 135mph or faster at an NHRA member track.

SUSPENSION

FRONT SUSPENSION:

Stock-type front suspension or stock bolt-in-type replacement front suspension required. Tubular bolt-in front K-members and A-arm kits are permitted. Tubular front suspension components permitted. Coil-over shocks/struts are permitted. Bolt-in front suspension retrofit kits (ex. Heidt's, Fatman, etc) are permitted.

REAR SUSPENSION:

Coil-over shocks and springs permitted for both front and rear suspension. Shocks and spring may be re-located. Standard bolt-on replacement suspension and chassis components are permitted. Ladder bars and/or aftermarket 4-links are permitted. Wheelie bars are prohibited.

TIRES & WHEELS

WHEELS

Spindle-mount front wheels prohibited.

BODY

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Full-bodied "door slammer" cars & trucks. OEM steel (fiberglass/composite if OEM equipped) body shell required. Aftermarket body kits are permitted. Only permitted lightweight components are hood, front valance, rear valance, front and rear bumpers, and rear trunk lid/hatch. Hood is required, may be made of lightweight material. Hood scoops permitted. Hood/scoop may be liftoff, must cover the entire engine & induction system. Any rear wing permitted.

WINDSHIELD & WINDOWS

OEM safety glass windows required & must be functional. Optic Armor stock replacement Windshield and Rear Glass permitted per manufacturer's recommended specs. Trucks may use Lexan, Optic Armor, or safety glass for rear glass only when a roll bar is installed.

ELECTRICAL

BRACET RACING AIDES

Delay boxes, cross-over boxes, or and "react ion-time related" electronic bracket racing aids prohibited in this class. All Electronic Throttle Stops are related throttle-stop type accessories prohibited.

Electronically controlled pneumatic, electric, hydraulic, etc. shifters prohibited.

TWO STEPS

Two-Step Permitted. Two-Step must be foot activated through brake pedal, clutch pedal, or pressure switch. Hand Released Two-Step prohibited.

SUPPORT GROUP

APPEARANCE

All cars in competition must be painted or wrapped. Advertising graphics are permitted on the body.

- LS Fest Windshield Banner: Decal needs to be located on the top of the windshield or just above the windshield located on the body.
- Class Sponsor: Decal must be located on the passenger's side lower portion of the windshield.
- Class & Competition Numbers: Numbers must be easily visible/legible and located on the

front, back, and both side windows.

DRIVER

CREDENTIALS:

A valid state or government issued driver's license beyond a learner/s permit level mandatory for cars running 10.00 or slower.

A valid NHRA competition license is mandatory for cars running 9.99 or quicker, at an NHRA Member Track.

DRIVER

The driver when in the vehicle, from the ready line until the vehicle is safely stopped on the return road, is required to have all safety restraint systems (including the helmet) on and be securely fastened in the vehicle at all times

PROTECTIVE EQUIPMENT

A head and neck restraint device/system meeting SFI 38.1 is mandatory for any vehicle running 150 mph or faster for 1/4 or 1/8 mile or running 7.49 (*4.49) E.T. or quicker or by Class Requirements. An SFI 38.1 head and neck restraint device can be used with, or without, a neck collar; when a neck collar is not used, an SFI 3.3 head sock or SFI Spec 3.3 skirted helmet is required.

Note: It is ultimately the competitor's responsibility to familiarize themselves with the LS FEST class requirements as well as ***all NHRA safety requirements***. The competitor agrees they bear the ultimate responsibility when it comes to safety and how it complies with the LS FEST and NHRA rule books. The competitor also agrees that no one else other than the competitor is in the best position to know about how their particular race car has been constructed and how to safely operate it.