

# STICK SHIFT

## GENERAL OVERVIEW

Stick Shift is a class designed to showcase Ford 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. **Qualifying will split the class into two 8 car fields. Pro Stick for Qualifiers running quicker than 9.99. Street Stick for Qualifiers running 10.00 and slower.**

## CLASS DESIGNATION = SS

## QUALIFYING INFORMATION, LADDER TYPE and TREE

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

**Qualifying will split the class into two 8 car fields.**

**The top 8 qualifiers (on ET) running faster than 9.99 will be in Pro Stick and enter the chip draw for Eliminations.**

**The Top 8 qualifiers (on ET) running 10.00 and slower will be in Street Stick and enter the chip draw for Eliminations.**

**Eliminations .10 rule. To prevent sand bagging during Qualifying, any competitor during eliminations that runs .10 or more faster than their fastest qualifying run will be disqualified.**

## BASE WEIGHT

No minimum weight

## REQUIREMENTS & SPECIFICATIONS

### ENGINE

#### ENGINE

Must be powered by a Ford engine / 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**

### **TIRES**

Maximum Tire Size permitted is 28x10.5 slick or 275 Drag Radial.  
345 DOT Radials on a 17 or 18 inch rim permitted.

## **BODY**

### **BODY**

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.

- 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 Ford 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 Ford 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.