

2011 RULEBOOK STREET FIGHTER (DOMESTIC)

REVISED 10/24/11

Class Designation: The class designation is: S/F

General Safety: All vehicles must conform with general IHRA safety rules.

Body: Any year vehicle is allowed. Lightweight components are limited to hood, front fenders, decklid, hatches, sunroofs, wings, ground effects, and bumpers only. Roof, Quarter panels, and doors must remain steel. One-piece front ends are not permitted. No body parts may be removed during competition.

Chassis: All cars must retain complete stock chassis, floorboard, firewall, and frame rails. Notching of chassis for clearance is permitted. Aftermarket "K" members are permitted.

Suspension: All cars must utilize stock front and rear suspension and mounts. Aftermarket front control arms, rear control arms, and sub-frame connectors are permitted. Aftermarket struts and shocks are permitted. Ladder bars, four links, and wheelie bars are prohibited on all cars.

Lights: Headlights and brake lights are required (one headlight may be removed for induction).

Windows: All windows must be OEM glass.

Interior: Stock dashboard and full interior from front seats forward is required (passenger seat may be removed). Aftermarket seats, gauges, and interior are permitted.

Exhaust: Muffler(s) are required unless vehicle is turbocharged. Exhaust may exit anywhere.

Electronics: Two-steps, data loggers, aftermarket ECU's, and engine management systems are allowed.

Driveline: Aftermarket axles, ring and pinions, final drive, spools, and differentials are permitted. Other OEM or aftermarket center sections and rear-ends may be replaced only if it is a direct bolt in. IRS suspension cars may convert to straight axle only if it is a direct bolt in.

Transmission: Manual or Auto transmissions are permitted. Any style automatic transmission is permitted. Trans-brakes are permitted. Manual transmissions are permitted to use aftermarket stock-style clutch-assisted transmissions. Sequential transmissions are prohibited. Aftermarket bell housings are permitted.

Clutch: Three discs maximum (any type of disk material is permitted). Clutch must be manually operated by driver's foot.

Shifter: Shifter must be H-pattern. Strain gauges are permitted. Air shifters and electric shifters are prohibited.

Fuel: Gasoline and E-85 permitted. Alcohol is prohibited.

Fuel System: Electric fuel pumps only are permitted. Aftermarket fuel cells are permitted, and may be mounted anywhere.

Oiling System: Dry sump oil system or external oil pumps prohibited unless OEM equipped and engine is using complete OEM oiling system

Tires: Maximum size slick or bias ply tire is 28.0" x 11.5". Any size DOT radial tire is permitted, except 315/60/15, 325/50/15, 295/55/15, or 295/60/15.

6-Cylinder Engines – Buick

Engine: Any internal engine modifications are permitted. Motor swaps of same manufacturer or different manufacturers are allowed as long as they meet weight requirements. Aftermarket blocks are prohibited.

Turbochargers: Turbochargers are measured at the inducer wheel where the leading edge of the inducer wheel meets the housing.

Nitrous Oxide: Any style nitrous oxide system is permitted for combinations that allow it (see chart below). If your combination does not allow it, then all bottles and solenoids must be removed from car and nitrous nozzles must be capped.

Intercooling: Liquid intercoolers and air intercoolers are permitted. Water injection is permitted. Methanol injection is permitted, but must be injected into the charge pipes before the throttle body.

Induction: EFI or carburetors are permitted. Any style intake is permitted.

Maximum Turbocharger	Nitrous Oxide	Car & Driver Minimum Weight
76.9 mm single	Nitrous ok	3200 lbs.
88.9 mm single	Nitrous Prohibited	3200 lbs.

8-Cylinder Engines – Chevy LS, LQ, LSX, and RHS

Engine: Only the following factory blocks are permitted: LS1, LS2, LS3, LS6, LS7, LS9, LQ9, LQ4, LSX, and RHS series blocks only. Any internal engine modifications are permitted. Max CID is 440ci.

Induction: Engine must be EFI.

Cylinder Heads: Aftermarket cylinder heads are permitted. Canted valve heads and billet heads are prohibited.

Turbochargers: Turbochargers are measured at the inducer wheel diameter at the point where the leading edge of the compressor wheel meets the inlet housing. Cannot combine with nitrous oxide. Liquid intercoolers and air intercoolers are permitted.

- Maximum size turbo is a 76.9mm single or 58.9mm twins.

Superchargers: Superchargers are permitted and must run off a serpentine belt. Cannot combine with nitrous oxide. Liquid intercoolers and air intercoolers are permitted. See approved list of superchargers below.

The following roots style superchargers are permitted:

- Any Magnuson or Eaton

The following centrifugal superchargers are permitted:

- Vortech V-1 A, B, S, Si, T, JT Trim
- Vortech V-2 S-Trim, V-2 Si-Trim, V-3 Si-Trim
- ATI Procharger P1SC, P1SC-2, P1SC-H, D1SC, D1, D1R
- Paxton Novi 1000, 2000, 2200

Nitrous Oxide:

- Stock style EFI intake manifolds with a forward facing throttle body: Limited to a single stage direct port fogger system, or a 2-stage plate system with no jet limit.
- Carburetor style intake manifolds with 346ci. - 383ci. engine: Limited to a single stage direct port fogger system, or a 2-stage plate system with no jet limit.
- Carburetor style intake manifolds with 384ci. - 420ci. engine: Limited to a single stage direct port fogger system (with a .032 nitrous jet) or a single plate system (with a .092 nitrous jet).
- Carburetor style intake manifolds with 421ci. - 440ci. engine: Limited to a single stage direct port fogger system (with a .026 nitrous jet) or a single plate system (with a .082 nitrous jet).

Power Adder	Max Displacement	Car & Driver Minimum Weight
Naturally Aspirated	Up to 427ci.	3000 lbs.
Nitrous Injected	346ci – 383ci.	3000 lbs.
Nitrous Injected	384ci – 420ci.	3200 lbs.
Nitrous Injected	421ci – 440ci.	3250 lbs.
Supercharged	346ci – 383ci.	3250 lbs.
Supercharged	384ci – 427ci.	3400 lbs.
Turbocharged	Up to 427ci.	3400 lbs.

* Sheetmetal Intakes: add 50 lbs.

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8-Cylinder Engines - Ford 302W

Engine: Any 302 style 8.2 deck block is permitted. Any internal engine modifications are permitted. Max CID is 347ci.

Induction: Engine must be EFI. Aftermarket commercially available intakes only are permitted. No fabricated, sheet metal, or carburetor style intakes.

Cylinder Heads: Inline cylinder heads only are permitted with stock valve angles.

Turbochargers: Turbochargers are measured at the inducer wheel diameter at the point where the leading edge of the compressor wheel meets the inlet housing. Cannot combine with nitrous oxide. Liquid intercoolers and air intercoolers are permitted.

- Maximum size turbo is a 76.9mm single or 58.9mm twins.

Superchargers: Superchargers are permitted and must run off a serpentine belt. Cannot combine with nitrous oxide. Liquid intercoolers and air intercoolers are permitted. See approved list of superchargers below.

The following centrifugal superchargers are permitted:

- Vortech V-1 A, B, S, Si, T, JT Trim
- Vortech V-2 S-Trim, V-2 Si-Trim, V-3 Si-Trim
- ATI Procharger P1SC, P1SC-2, P1SC-H, D1SC, D1, D1R
- Paxton Novi 1000, 2000, 2200

Nitrous Oxide:

- Limited to a single stage plate (located between the throttle body and the upper intake) or single fogger nozzle with no jet limit.

Power Adder	Max Displacement	Car & Driver Minimum Weight
Nitrous Injected	Up to 311ci.	2900 lbs.
Nitrous Injected	312ci. – 347ci.	3050 lbs.
Supercharged	Up to 311ci.	3150 lbs.
Supercharged	312ci. – 347ci.	3275 lbs.
Turbocharged	Up to 347 ci.	3400 lbs.

* Manual transmission: deduct 100 lbs.

8-Cylinder Engines - Ford 4.6 Modular

Engine: Only OEM 4.6 modular blocks are permitted. Any internal engine modifications are permitted. Max CID is 327ci.

Induction: Engine must be EFI. Aftermarket commercially available intakes only are permitted. No fabricated or sheet metal intakes.

Cylinder Heads: Inline cylinder heads only are permitted with stock valve angles.

Turbochargers: Turbochargers are measured at the inducer wheel diameter at the point where the leading edge of the compressor wheel meets the inlet housing. Cannot combine with nitrous oxide. Liquid intercoolers and air intercoolers are permitted.

- Maximum size turbo is a 76.9mm single or 58.9mm twins.

Superchargers: Superchargers are permitted and must run off a serpentine belt. Cannot combine with nitrous oxide. Liquid intercoolers and air intercoolers are permitted. See approved list of superchargers below.

The following roots style superchargers are permitted:

- Kenne Bell 2.1, 2.6, 2.8, or 3.6
- Whipplecharger 2.3, 2.9, 3.4, or 4.0
- Any Magnuson, Eaton, or TVS

The following centrifugal superchargers are permitted:

- Vortech V-1 A, B, S, Si, T, JT, YS, YSI Trim
- Vortech V-2 S-Trim, V-2 Si-Trim, V-3 Si-Trim
- Vortech V24-YSI Trim
- ATI Procharger P1SC, P1SC-2, P1SC-H, D1SC, D1, D1R, F-1, F-1D, F-1A, F-1C
- Paxton Novi 1000, 2000, 2200

Nitrous Oxide:

- Limited to a single stage direct port fogger system, or a 2-stage plate system with no jet limit.

Power Adder	Cylinder Heads	Motor & Max Displacement	Car & Driver Minimum Weight
Nitrous Injected	2-Valve	Up to 327ci.	3050 lbs.
Supercharged	2-Valve	Up to 327ci.	3200 lbs.
Turbocharged	2-Valve	Up to 327ci.	3300 lbs.
Nitrous Injected	3-Valve	Up to 327ci.	3200 lbs.
Supercharged	3-Valve	Up to 327ci.	3350 lbs.
Turbocharged	3-Valve	Up to 327ci.	3450 lbs.
Nitrous Injected	4-Valve	Up to 327ci.	3400 lbs.
Supercharged	4-Valve	Up to 327ci.	3550 lbs.
Turbocharged	4-Valve	Up to 327ci.	3650 lbs.

* Manual Transmission: deduct 100 lbs.

* 281ci. – 302ci. Engines: deduct 100 lbs.

* F-1C Supercharger and all YSI Superchargers: add 100 lbs.

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8-Cylinder Engines - Ford 5.0 Modular

Engine: Only OEM 5.0 modular blocks are permitted. Any internal engine modifications are permitted. Max CID is 327ci.

Induction: Engine must be EFI. Aftermarket commercially available intakes only are permitted. No fabricated or sheet metal intakes.

Cylinder Heads: Inline cylinder heads only are permitted with stock valve angles.

Turbochargers: Turbochargers are measured at the inducer wheel diameter at the point where the leading edge of the compressor wheel meets the inlet housing. Cannot combine with nitrous oxide. Liquid intercoolers and air intercoolers are permitted.

- Maximum size turbo is a 76.9mm single or 58.9mm twins.

Superchargers: Superchargers are permitted and must run off a serpentine belt. Cannot combine with nitrous oxide. Liquid intercoolers and air intercoolers are permitted. See approved list of superchargers below.

The following roots style superchargers are permitted:

- Kenne Bell 2.1, 2.6, 2.8, or 3.6
- Whipplecharger 2.3, 2.9, 3.4, or 4.0
- Any Magnuson, Eaton, or TVS

The following centrifugal superchargers are permitted:

- Vortech V-1 A, B, S, Si, T, JT, YS, YSI Trim
- Vortech V-2 S-Trim, V-2 Si-Trim, V-3 Si-Trim
- Vortech V24-YSI Trim
- ATI Procharger P1SC, P1SC-2, P1SC-H, D1SC, D1, D1R, F-1, F-1D, F-1A, F-1C
- Paxton Novi 1000, 2000, 2200

Nitrous Oxide:

- Limited to a single stage direct port fogger system, or a 2-stage plate system with no jet limit.

Power Adder	Max Displacement	Car & Driver Minimum Weight
Nitrous Injected	Up to 327ci.	3400 lbs.
Supercharged	Up to 327ci.	3550 lbs.
Turbocharged	Up to 327ci.	3650 lbs.

* Manual Transmission: deduct 100 lbs.

* Up to 311ci. Engines: deduct 100 lbs.

* F-1C Supercharger and all YSI Superchargers: add 100 lbs.

8-Cylinder Engines - Ford 5.4 Modular

Engine: Only OEM 5.4 modular blocks are permitted. Any internal engine modifications are permitted. Max CID is 340ci.

Induction: Engine must be EFI. Aftermarket commercially available intakes only are permitted.

Cylinder Heads: Inline cylinder heads only are permitted with stock valve angles.

Turbochargers: Turbochargers are measured at the inducer wheel diameter at the point where the leading edge of the compressor wheel meets the inlet housing. Cannot combine with nitrous oxide. Liquid intercoolers and air intercoolers are permitted.

- Maximum size turbo is a 76.9mm single or 58.9mm twins.

Superchargers: Superchargers are permitted and must run off a serpentine belt. Cannot combine with nitrous oxide. Liquid intercoolers and air intercoolers are permitted. See approved list of superchargers below.

The following roots style superchargers are permitted:

- Kenne Bell 2.1, 2.6, 2.8, or 3.6
- Whipplecharger 2.3, 2.9, 3.4, or 4.0
- Any Magnuson, Eaton, or TVS

The following centrifugal superchargers are permitted:

- Vortech V-1 A, B, S, Si, T, JT, YS, YSI Trim
- Vortech V-2 S-Trim, V-2 Si-Trim, V-3 Si-Trim
- Vortech V24-YSI Trim
- ATI Procharger P1SC, P1SC-2, P1SC-H, D1SC, D1, D1R, F-1, F-1D, F-1A, F-1C
- Paxton Novi 1000, 2000, 2200

Nitrous Oxide:

Limited to a single stage direct port fogger system, or a 2-stage plate system with no jet limit.

Power Adder	Max Displacement	Car & Driver Minimum Weight
Nitrous Injected	Up to 340 ci.	3500 lbs.
Supercharged	Up to 340 ci.	3650 lbs.
Turbocharged	Up to 340 ci.	3750 lbs.

* Manual Transmission: deduct 100 lbs.

* F-1C Supercharger and all YSI Superchargers: add 100 lbs.

Crossover Class: These classes run under their own set of rules and ignore all rules above. There may be a small adjustment for some classes.
(If you have ever competed in any of the classes below at that sanctioned event, you must run under the Crossover rules)

Series	Series Website	Class Name	Adjustments
NMCA	nmcadigital.com	LSX Real Street	No adjustments, run normal weight.
NMRA	nmradigital.com	Hot Street	Add 75 lbs.
NMRA	nmradigital.com	EFI Renegade	Add 150 lbs.
NMCA	nmcadigital.com	Pro Stock	Add 75 lbs.
Ram Racing	nashootout.com	10.5	Add 75 lbs. Wheelie bars not permitted.
Ram Racing	nashootout.com	Drag Radial	Deduct 250 lbs. Wheelie bars not permitted.