



# **SUPER STOCK**

## **SUPER STOCK**

### **Procedures**

Qualified Field, handicap start index racing. First round lane choice goes to the higher qualified car. Subsequent rounds are determined by coin flip between the drivers.

Indexes and HP Ratings are subject to change at any time, as determined by the IHRA Tech Department.

### **IHRA Super Stock Class Designations**

<b>Transmission Type</b>	<b>Class Designations</b>
Manual Transmission	FSS/A – FSS/M, SS/AH, SS/A – SS/Q
Automatic Transmission	SS/AA – SS/QA

### **IHRA Class Weight Breaks**

#### **Super Stock (FSS) – Manual Transmission**

<b>Class</b>	<b>Weight (lbs/hp)</b>	<b>Class</b>	<b>Weight (lbs/hp)</b>
FSS/A	5.00 – 5.49	FSS/H	8.50 – 8.99
FSS/B	5.50 – 5.99	FSS/I	9.00 – 9.49
FSS/C	6.00 – 6.49	FSS/J	9.50 – 9.99
FSS/D	6.50 – 6.99	FSS/K	10.00 – 10.99
FSS/E	7.00 – 7.49	FSS/L	11.00 – 11.99
FSS/F	7.50 – 7.99	FSS/M	12.00 or more
FSS/G	8.00 – 8.49		

#### **Super Stock (Manual & Automatic)**

<b>Class</b>	<b>Weight (lbs/hp)</b>	<b>Class</b>	<b>Weight (lbs/hp)</b>
SS/AH	6.00	H	9.50 – 9.99
A	6.00 – 6.49	I	10.00 – 10.99

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Class	Weight (lbs/hp)	Class	Weight (lbs/hp)
B	6.50 – 6.99	J	11.00 – 11.99
C	7.00 – 7.49	K	12.00 – 12.99
D	7.50 – 7.99	L	13.00 – 13.99
E	8.00 – 8.49	M	14.00 – 14.99
F	8.50 – 8.99	N	15.00 – 15.99
G	9.00 – 9.49	O	16.00 – 16.99
		P	17.00 – 17.99
		Q	18.00 or more

IHRA Class SS/AH is restricted to:

- Only 1968 Plymouth Barracuda and 1968 Dodge Dart with Hemi engines (automatic and/or manual transmissions).
- These vehicles are limited to this class only and cannot compete in other classes.

2008 and newer Chevrolet COPO, Dodge Drag Pak, and Ford Cobra Jet (both automatic and manual):

- Are restricted to compete in IHRA FSS/A through FSS/M classes only.

**Air Cleaners**

- Optional; must retain OEM configuration.
- No fabrication (welding, bolting, etc.) allowed.
- Ram tubes/velocity stacks/ducting not permitted.
- Factory scoops through hood must attach to carb per OEM.

**Blueprinting**

- Stock OEM components must be unaltered unless specified.

**Camshaft**

- Any camshaft and valvetrain allowed.

**Connecting Rods**

- Stock OEM or IHRA-accepted aftermarket rods allowed.
- Aftermarket rods may be 2% lighter but must match original length.
- Grinding/polishing only on beams; no lightening beyond beam polishing.

**Cylinder Heads**

- Must match casting number and horsepower per IHRA specs.
- Porting, polishing, and combustion chamber grinding allowed.
- No epoxy/welding in combustion chamber.
- Valve angles and positions must remain close to stock.
- Aftermarket steel valves allowed; titanium only if replacing OEM sodium-filled valves.

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- Angle milling and intake/exhaust surface modifications allowed.
- Studs, polylocks, valve jobs, and exhaust plates (max ½") allowed.
- All seats may be replaced.

### **Engine**

- Must be same year/make as body; IHRA-accepted aftermarket blocks allowed.
- No special equipment or dealer kits.
- Stock engine location required.
- Max .080" bore over stock; stroke tolerance +/- .015".
- No crossbreeding parts.
- Crank must be OEM or IHRA-accepted aftermarket with OEM configuration.
- No billet cranks unless originally equipped.
- SFI 18.1 harmonic balancer mandatory.
- Sleeving of blocks permitted.

### **Superseded/Replaced Parts**

- Only cylinder heads, manifolds, crank, blocks, and transmissions may be superseded if listed by manufacturer and accepted by IHRA.

### **Exhaust System**

- "Pan evac" allowed.
- Mufflers may be required depending on local ordinances.

### **Fan, Generator, Water Pump**

- Generator/alternator may be removed.
- Electric fans/water pumps allowed.
- Water pump must bolt on; no smog pump for crankcase evacuation.

### **Fuel**

- IHRA-accepted race gasoline only.
- No nitrous oxide or propylene oxide.

### **Fuel System**

- Any mechanical and max two electric pumps allowed.
- Electric pumps must shut off with ignition.
- Metallic lines and inline filters/pressure regulators allowed.
- One cool can allowed.

### **Gaskets**

- Any aftermarket gasket allowed.
- Thinner gaskets must be offset with deck clearance.
- Carb heat-insulator gaskets allowed.

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### **Gas Tanks**

- **Stock-type tank in stock location.**
- **May be modified for suspension clearance.**
- **Trunk-mounted tanks must be isolated from driver.**
- **Only one tank or cell (3–16 gallons) allowed.**

### **Intake Manifold**

- **Any type allowed if it fits under stock hood and matches carb layout.**
- **Cross ram orientation can be reversed.**

### **Intercooler**

- **Tanks must stay in engine bay.**

### **Oil Pan**

- **Can be modified for capacity.**
- **Aftermarket pans allowed.**
- **Dry-sump prohibited.**
- **Crossmembers altered for pans must be reinforced.**

### **Oil Pump**

- **OEM or OEM aftermarket replacement permitted.**
- **Location and drive system must be stock.**
- **Accumulator and limited external plumbing allowed.**
- **Dry-sump systems prohibited except where allowed by blueprint.**

### **Pistons**

- **Replacement pistons must retain design and not raise compression.**
- **Domed/dish pistons must meet IHRA volume specs.**
- **Valve reliefs and gas porting allowed.**

### **Radiator**

- **Full-size, stock-appearance radiator required.**
- **Aluminum allowed; no cutting of body or grille panels.**

## **DRIVETRAIN**

### **Clutch/Flywheel**

- **Must meet SFI Spec 1.1 or 1.2 (2-disc max).**
- **Shield must meet SFI Spec 6.1; no mods for clutch adjustment.**

### **Driveline**

- **Steel or aluminum driveshafts allowed; carbon fiber not.**

### **Rear End**

- **Any OEM type permitted.**
- **No fully fabricated housings.**
- **May be narrowed; truck rears only if OEM-installed.**
- **Spools and aftermarket axles allowed.**

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- Quick-change and 2-speed rears not allowed.
- Some IRS vehicles require conventional differential swaps.
- 360° axle retention loops required.

### **Transmission – Automatic**

- Any model from same make, max 3 forward speeds unless OEM had more.
- Must retain full shift pattern (park & reverse).
- SFI 4.1 and 30.1 specs apply to aftermarket cases/flexplates.
- Transbrake with IHRA-accepted buttons allowed.
- RPM-activated shifters allowed.
- Functional neutral safety switch mandatory.

### **Transmission – Manual**

- Must match OEM gear count and include reverse.
- Only driver-initiated shifts allowed.
- Clutchless allowed.
- Floor-shift kits permitted.
- 3-speed OEM listings may use any 4-speed manual.

### **Transmission Shield – Automatic**

- Shield (SFI 4.1) required for SS/AH-SS/MA, FSS/A-FSS/M, or cars quicker than 10.99.
- SFI 29.1 and 30.1 parts required for relevant cars.
- Aftermarket bellhousings must meet SFI 30.1 and be IHRA-accepted.

### **Brakes**

- Must use stock four-wheel hydraulic or qualifying aftermarket disc brakes.
- Minimum piston area per wheel: 3.5 in<sup>2</sup>.
- Minimum rotor size: 10.25" diameter × 5/16" thick.
- Dual-reservoir master cylinder required for modified systems (front/rear split).
- Dual calipers allowed on rear; only one hydraulic line permitted (no wires).
- Rear-wheel line-loc prohibited; front-wheel line-loc permitted (must be spring-loaded/self-returning).
- Carbon-fiber/titanium rotors prohibited.
- Parking brake optional.

### **Shocks**

- No pneumatic or electric shocks unless OEM.
- Reservoirs permitted.
- Manually adjustable coil-overs allowed if originally equipped.

### **Steering**

- Aftermarket OEM-style gearbox allowed.
- Rack & pinion allowed in SS/AH.

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### **Front Suspension**

- **Must retain complete OEM front suspension for body used.**
- **Lift kits/travel limiters allowed; sway bar optional.**
- **Aftermarket tie rods with heim joints allowed.**
- **Modifications allowed for larger shock diameters.**
- **Electric shocks prohibited.**

### **Rear Suspension**

- **Modifications allowed for tire clearance.**
- **Lateral and limited rotational movement of axle permitted.**
- **Rear leaf springs may be aftermarket fiberglass; need not match original length.**
- **Coilovers, 4-link, ladder bars permitted; shocks can be relocated.**
- **Minimum shock down travel: 1 inch.**
- **Trailing arms can be OEM-style aftermarket; 1" round tubing min.**

### **Wheelie Bars**

- **Permitted, non-metallic wheels only.**
- **Cannot attach to bumper or braces.**
- **Max length: 48" or to rear bumper, whichever is longer.**

### **Ballast**

- **Max 100 lbs removable ballast; two-box limit, 50 lbs each.**
- **Must be bolted to frame/crossmember with ½" bolts.**
- **Cannot attach to roll bar/cage.**
- **Additional ballast must be permanent and properly fastened.**

### **Bumpers**

- **Complete OEM bumpers and braces required.**
- **Rear bumper cover can be notched for wheelie bar clearance only.**

### **Frame**

- **Must use stock frame/subfloor.**
- **Subframes may be joined; limited material and placement specs apply.**
- **Crossmembers may be added.**
- **If frame penetrates floor, must be fully welded.**

### **Ground Clearance**

- **Minimum:**
  - **3" from front to 12" behind front axle centerline.**
  - **2" for rest of car (excluding oil pan and headers).**

### **Motor Mounts**

- **May use steel replacements or motor plates/mid mounts.**
- **Engine must remain in stock location.**

### **Parachute**

- **Mandatory for cars running 150+ mph.**

**Blinders**

- Must be no larger than 4"x6" (~24 square inches)
- Must be permanently affixed inside the vehicle and able to be moved out of the field of vision
- May only be used on-track.

**Roll Bar**

- Mandatory for:
  - SS/J-SS/P and SS/JA-SS/PA classes.
  - Any car 11.49 or quicker.
- Roll cage required for cars 9.99 or quicker.

**Roll Cage**

- Required for:
  - SS/A-SS/I, SS/AH-SS/IA, and FSS/A-FSS/M.
  - Any car 9.99 or quicker.
  - Cars 8.49 or quicker must meet SFI 25.5.

**Roll-Cage Padding**

- Mandatory for 9.99 or quicker.
- Must meet SFI 45.1 spec.
- Required anywhere helmet may contact cage.

**Weight**

- Must meet class minimum weight; cannot exceed the next heavier class minimum.
- Weight includes 170 lbs for driver.

**Wheelbase**

- Must retain OEM wheelbase  $\pm \frac{3}{4}$ "; max L/R difference: 1".
- Altering wheelbase/axle/wheel location is prohibited.

**Tires**

- Rear tires:
  - Max new width: 14.5".
  - Max used width: 15.5".
  - Max diameter: 33".
- Tires must remain within body; max 3" clearance between sidewall/body.

**Wheels**

- Aftermarket racing wheels allowed.
- Wire/motorcycle wheels prohibited.
- Min diameter: 14" (unless factory smaller).
- Front wheels must mount in OEM fashion.

**Steering Wheels**

- Removable steering wheels allowed if stock column appearance is maintained.

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- **Steering column must remain OEM length.**

### **Upholstery**

- **Must include full factory-type interior (carpet/floor mats, door panels, headliner, front and rear seats).**
- **Interior gutting prohibited.**
- **Rear seat may be removed for roll bar/cage but area must be upholstered to factory specs.**
  
- **Front seats may be full-size aftermarket or OEM; if aftermarket driver seat used, passenger seat must match in size and appearance.**

### **Window Net**

- **Ribbon-type or SFI 27.1 mesh net mandatory in vehicles with roll cages.**

### **Body Requirements**

- **Only customization allowed is paint.**
- **Convertibles must run with the top up.**
- **Vehicles like El Camino/Ranchero allowed only if fully compliant with class rules.**
- **Raising/lowering of vehicle ride height not allowed (forward rake is okay).**
- **Rocker panel bottom cannot exceed centerline height of rear axle.**
- **Solid body mounts allowed if same size; lightweight replacement materials not allowed.**

### **Fender Splash Pans**

- **Must be retained; can be trimmed for 2" header clearance.**
- **No alterations to shock/spring towers.**

### **Firewall**

- **No alterations or coverings permitted.**
- **Removed HVAC areas must be sealed with .024" steel or .032" aluminum.**

### **Floor**

- **Removable sections for transmission/shifter allowed (max 6 sq ft, steel only).**
- **Rear frame rail area may use equivalent/heavier materials.**
- **All other floor areas must be stock and in original location.**

### **Grille**

- **Must be OEM for the year/make/model; no covering permitted.**

### **Hood**

- **Full OEM hood must be retained (latches, springs, hinges, etc.).**
- **No non-OEM scoops or openings.**

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- **SS/AH exception: flat insert allowed over carbs (no diverters or airflow devices).**

### **Street Equipment**

- **May remove: emissions equipment, wipers, heater/AC systems (dash controls must remain).**
- **Only one functional headlight and taillight required.**

### **Rear Wheelwells**

- **Only internal modifications allowed.**
- **External fender flaring/spreading prohibited.**
- **Additions must match OEM material/thickness (no aluminum or carbon fiber).**

### **Electrical Requirements**

- **Batteries: Up to 2 allowed in trunk (max 100 lbs with box)**
- **Delay boxes/devices prohibited**
- **Any battery-powered ignition allowed; distributorless must retain OEM coil count**
- **Dash, instruments, and controls must remain; tach/gauges optional**
- **Master cutoff required if battery in trunk**
- **Aftermarket starters permitted in OEM location**

### **Support Equipment**

- **Only OEM or OEM replacement computers allowed.**
- **Tow vehicles prohibited**

## **DRIVER REGULATIONS**

### **Credentials**

- **IHRA Super Stock competition license required**

### **Driver Location**

- **Driver's head must be forward of "B" post.**

### **Restraint System**

- **SFI 16.1 or 16.5 restraint system mandatory.**
- **Must be recertified every 2 years.**

### **Helmet**

- **10.00 or slower: Snell M2015/M2020, SA2015/2020, FIA 8860-2010, 8859-2015/2024, 8860-2018.**
- **9.99 or quicker: Snell M2010+, SA2010+ (full-face only).**

### **Neck Collar**

- **SFI 3.3 collar required for 9.99 or quicker or 135+ mph.**
- **Head/neck restraint system may be used instead. See 10:8.**

### **Protective Equipment**

- **Full-length pants, shirt, socks, and closed shoes required.**
- **No shorts, tank tops, or open footwear.**
- **Synthetic clothing discouraged.**

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- SFI 3.3/1 gloves required for 9.99 or quicker.
- SFI 3.2A/5 jacket and pants required for SS/A–SS/I, SS/AH–SS/IA, and FSS/A–FSS/M or cars running 9.99 or quicker.
- SFI 3.2A/1 jacket/pants required for SS/J–SS/P and SS/JA–SS/PA or for 10.00–11.49 ETs.

## Super Stock GT

**Class    Weight (lbs per IHRA-factored horsepower)**

**FGT/AA    5.00 – 5.49**

**FGT/BB    5.50 – 5.99**

**FGT/A     6.00 – 6.49**

**GT/A      6.00 – 6.49**

**FGT/B     6.50 – 6.99**

**GT/B      6.50 – 6.99**

**FGT/C     7.00 – 7.49**

**GT/C      7.00 – 7.49**

**FGT/D     7.50 – 7.99**

**GT/D      7.50 – 7.99**

**FGT/E     8.00 – 8.49**

**GT/E      8.00 – 8.49**

**FGT/F     8.50 – 8.99**

**GT/F      8.50 – 8.99**

**FGT/G     9.00 – 9.49**

**GT/G      9.00 – 9.49**

**FGT/H     9.50 – 9.99**

**GT/H      9.50 – 9.99**

**FGT/I     10.00 – 10.49**

**GT/I      10.00 – 10.49**

**FGT/J     10.50 – 10.99**

**GT/J      10.50 – 10.99**

**FGT/K     11.00 – 11.49**

**GT/K      11.00 – 11.49**

**FGT/L     11.50 – 11.99**

**GT/L      11.50 – 11.99**

**FGT/M     12.00 – 12.49**

**GT/M      12.00 – 12.49**

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**Class**    **Weight (lbs per IHRA-factored horsepower)**

**FGT/N**    12.50 or more

**GT/N**     12.50 – 12.99

**GT/O**     13.00 – 13.49

**GT/P**     13.50 – 13.99

**GT/Q**     14.00 or more

### Restrictions

- 2008+ Chevrolet COPO, Dodge Drag Pak, and Ford Cobra Jet (auto & manual):
  - Limited to FGT/AA through FGT/N only.

### Engine Requirements

- Must be a V-8 engine of the same make as the body.

### Engine

- V-8 engines only; must be same make as body.
- Engine year is optional.
- Corporate engines permitted.
- Truck engines prohibited.
- Underhood modifications for engine installation prohibited (e.g., firewall, shock towers, frame, excessive crossmember cutting).
- Must comply with all IHRA Super Stock ENGINE rules.

## DRIVETRAIN

### Automatic Transmission Shield

- Required for cars in GT/AA through GT/PA, FGT/A through FGT/N, and any car quicker than 10.99 seconds.
- SFI Spec 4.1 transmission shield required.
- SFI 29.1 flexplate and SFI 30.1 flexplate shield mandatory for GT/AA through GT/KA and FGT/A through FGT/N.

## BRAKES & SUSPENSION

### Brakes

- Master cylinder must be mounted to inside or outside of the firewall only. All other mounting locations are prohibited.

### Steering & FWD Conversions

- Steering may be relocated.
- Fabricated crossmember allowed.
- Must use stock-type steering and OEM lower A-arms.

### Front Suspension (FWD Conversions)

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- Aftermarket or OEM front suspension of stock configuration required.
- Replacement control arms permitted.
- Full-tube chassis prohibited.
- Must retain OEM upper framerails in front of firewall.
- Lower control arm mounts may be non-OEM.
- Adjustable heim joints permitted.
- Any stock-type OEM or aftermarket shock permitted.
- Steel required for all components unless original material was not steel.
- Struts must mount to OEM upper location.
- Lower strut tower may be slotted or enlarged, but not reconfigured.
- Adapter/plate may be used for camber/caster adjustment.
- Struts must be removable via top three bolts.
- Lift kits and travel limiters permitted.
- Sway bar is optional.

### **Front Suspension (RWD)**

- Must retain complete stock front suspension system.
- Lower control arm may be machined for larger shock diameter and mount.

## **FRAME**

### **Bumper**

- Front and rear bumpers must use OEM impact bars.
- Rear bumper bracing may use aftermarket tubing to attach to frame/body panels, retaining factory appearance.
- Internal bumper structures must retain factory look.
- No cavity covering allowed.
- Rear bumper cover may be notched/slotted only for wheelie bar clearance.
- Full-width trimming/removal of rear bumper cover prohibited.

### **FWD Frame Conversions**

- Forward stock frame/support must be retained.
- Modifications allowed for engine, headers, etc.
- Aftermarket frame components may reinforce stock frame (2" x 3" x .083" wall or 2.5" O.D. x .120" wall max).
- OEM crossmembers may be relocated/trimmed for clearance.
- OEM engine cradle/lower framerails may be retained, modified, or replaced.

## **SAFETY STRUCTURE**

## **SUPER STOCK**

### **Roll Bar**

- **Mandatory in GT/L through GT/M, GT/LA through GT/MA, and any vehicle running 11.49 or quicker.**
- **Permitted in slower vehicles.**
- **Roll cage required for any car running 9.99 or quicker.**

### **Roll Cage**

- **Mandatory in GT/A through GT/K, GT/AA through GT/KA, and FGT/AA through FGT/N, and for any car running 9.99 or quicker.**
- **SFI 25.5 roll cage mandatory for all Super Stock cars running 8.49 or quicker.**

### **Weight**

- **Added weight must be properly secured (see IHRA General Regulations 4:2).**
- **Class weight calculated without driver.**
- **Add 170 pounds to class weight for minimum total (driver included).**

### **Interior**

- **Dashboard**
  - **Must remain as-built OEM, but may be removable.**
  - **Removable dash must be securely attached; non-factory fasteners must be concealed to retain OEM appearance.**
  - **Aftermarket or non-OEM dashes are prohibited.**
- **Upholstery**
  - **Full factory-type interior required: carpet, door panels, and headliner.**
  - **Interior gutting is not allowed.**
  - **Replacement panels/headliner are allowed but must be upholstered to maintain OEM appearance.**
  - **Carpet must cover entire floor, including chassis/frame components in the driver's area.**

### **Body**

- **Fenders**
  - **Inner fender panels can be relocated/trimmed from strut tower forward on FWD unibody vehicles.**
  - **Enlarged areas must maintain a finished, OEM look.**
- **Firewall**
  - **Lower OEM firewall may be replaced with steel of equal or greater thickness.**
  - **Chevy Cavaliers, Pontiac Grand Ams/Sunfires, and Ford Escorts: Max 34" from radiator support to firewall.**

- Chevy Cobalt: Max 33" from radiator support to firewall.
- All other vehicles must retain original firewall location.
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- Firewall must be a one-piece steel unit, welded, sealed from driver, extending to and attaching to the floor.
- Firewall and mid-plate must be separate. Engine plates must not be attached to the firewall.
- **Floor**
  - Headers must fit under stock floor.
  - Stock framrails (firewall to radiator support) must maintain original attachment, location, and dimensions.
  - Frame can be notched for header clearance.
  - FWD conversion cars must have a fully welded driveshaft tunnel made from OEM-equivalent material.
- **Hood**
  - Full stock hood (latches, hinges, springs, brackets, braces) must be used.
  - Hood scoops/openings other than OEM are not allowed.
  - OEM hood flappers, grilles, and hardware must remain intact.
  - Factory fresh air hoods must be blocked off if not used with fresh air engines.
  - Fresh air engines with matching hoods are permitted.
  - For FGT/AA and FGT/BB, fiberglass hoods allowed.
  - Supercharger/pulleys must be fully covered by hood.
  - If hood has opening, it must be cowl induction style and permanently part of hood.
  - Hood latches, hinges, etc., may be removed.
  - Max 2" clearance between supercharger/pulleys and hood.
  - Only one hood opening allowed.

**Electrical**

- **Distributor**
  - Any battery-powered ignition system is allowed.

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- Protective Equipment
  - SFI Spec 3.2A/5 or 3.4/5 jacket & pants required for:
    - GT/A through GT/K
    - GT/AA through GT/KA
    - FGT/A through FGT/N
    - Any vehicle running 9.99 or quicker
  - SFI Spec 3.2A/1 jacket & pants required for:
    - GT/L through GT/Q
    - GT/LA through GT/QA
    - Vehicles running 10.00 to 11.49 seconds
  - SFI Spec 3.3/1 gloves mandatory for vehicles running 9.99 or quicker

### IHRA GT/TRUCK

#### General Overview

- GT Truck classes follow IHRA GT car class rules with specific exceptions.
- Designations: GT/TA, GT/TB, GT/TC, GT/TD (preceded by truck number).
- Reserved for 1980 and newer pickup trucks (1/2-ton max).
- Eligible engines/bodies must be listed in the Official IHRA Stock Car Classification Guide.
- Trucks are classed by class weight break × engine horsepower/performance rating.
- If engine has both Super Stock and GT rating, GT rating applies.

#### Class Weight Breaks (*based on pounds per IHRA-factored horsepower*):

- GT/TA: 9.50 – 10.49
- GT/TB: 10.50 – 11.49
- GT/TC: 11.50 – 12.49
- GT/TD: 12.50 or more

### REQUIREMENTS & SPECIFICATIONS

#### Drivetrain

- Transmission Shield (Automatic):
  - GT/TA through GT/TD: SFI Spec 4.1 transmission shield required.
  - GT/TA and GT/TB:
    - SFI 29.1 flexplate
    - SFI 30.1 flexplate shield required

#### Chassis/Frame

- Roll Cage:
  - Required for all Super Stock trucks.

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- SFI 25.5 cage mandatory for any truck running 8.49 or quicker.

### Weight

- Any added weight must be securely fastened.
- Class determined without driver's weight.
- 170 lb added for driver to determine minimum weight.
- Trucks with fully automatic transmission and converter:
  - May remove up to 5% or 250 lbs (whichever is less).
  - May be under minimum posted weight.
- For trucks weighed with driver, minimum weight includes driver.

## DRIVER REQUIREMENTS

### Protective Equipment

- SFI 3.2A/5 or 3.4/5 jacket and pants required in GT/TA or any vehicle running 9.99 or 135+ mph.
- SFI 3.2A/1 jacket and pants required in GT/TB, GT/TC, and GT/TD.
- SFI 3.3/1 gloves required in any vehicle running 9.99 or quicker.

## MODIFIED SUPER STOCK

### IHRA Modified Super Stock

- Same rules as IHRA Super Stock, with specific exceptions
- Designations: SS/AS through SS/GS
- Vehicles: 1955 or later IHRA-accepted factory production cars
- No superchargers allowed
- Class based on car weight ÷ engine displacement (ci)
- Front-wheel-drive conversions allowed

### Class Breakdowns

- AS: 8.50–9.49 lb/ci, Wedge/Canted/Hemi, 3,350 lb min
- BS: 9.50–10.49 lb/ci, SB wedge/canted < 366ci, 3,000 lb min
- CS: 10.50+ lb/ci, SB inline < 366ci, 3,000 lb min
- DS: 12.00+ lb/ci, V-6, 2,900 lb min
- ES: 15.50–16.49 lb/ci, 4-cyl only, max 165ci
- FS: 16.50 lb/ci, max 155ci
- GS: 18.00 lb/ci, 4-cyl FWD only, max 230ci

### Engine & Fuel System

- Specific carburetor cfm limits based on class
- Aftermarket aluminum heads allowed (no billet)

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- Inline valve configuration restrictions vary by class
- No SBCs with >4.420" bore centers
- Must be same corporate make engine/body
- Dry-sump oil systems allowed in ES, FS, GS
- External single-stage oil pump allowed
- Sheet-metal intake manifold allowed
- Electric/mechanical fuel pumps allowed (safety requirements apply)

### **Drivetrain**

- Rear end: any automotive type allowed
- Auto trans: 3-speed max, SFI 29.1 flexplate required (AS-CS)
- Manual trans: 4-speed max (ES-GS = 5-speed), clutchless allowed
- SFI 4.1 transmission shield required
- SFI 30.1 flexplate shield mandatory in AS-CS

### **Chassis, Suspension & Steering**

- FWD conversions allowed (must retain OEM-style upper frame)
- Aftermarket steering and shocks allowed
- OEM lower A-arms mandatory
- Wheelie bars up to 54" or rear bumper
- Rear bumper cover may be notched (not fully trimmed or removed)

### **Frame & Body**

- Must retain stock frame geometry and wheelbase  $\pm\frac{3}{4}$ "
- Full-tube chassis prohibited
- Fiberglass/carbon body parts limited to hood (ES-GS can include fenders, decklid, etc.)
- Hood scoop max 11", 1 opening
- Rear spoiler: max 6" from decklid, 4" spill plate height
- Minimum wheelbase: 93" (FWD conversion: 96")

### **Interior**

- OEM dash required (can be removable but must look factory)
- Full factory-style upholstery (headliner, carpet, door panels)
- No interior gutting
- Driveshaft tunnel required for FWD conversions

### **Roll Cage / Safety**

- Roll bar required: ES-GS
- Roll cage required: AS-DS
- SFI 25.5 cage required for cars running 8.49 or quicker
- Jacket & pants:
  - SFI 3.2A/5 or 3.4/5 for AS-CS or quicker than 9.99
  - SFI 3.2A/1 for DS-GS or 10.00-11.49
- SFI 3.3/1 gloves required for 9.99 or quicker

## SUPER STOCK

- Valid IHRA license required.

### Wheels & Tires

- GS class: tread can extend 1" past fender
- Tires must be within fender lines unless otherwise specified

### Windows & Visibility

- Windows must be closed during runs
- Need not be functional

## MODIFIED TRUCK

### IHRA Modified Truck

#### General

- Based on IHRA Modified Stock classes (Section 12D) with specific exceptions.
- Designations: SS/TA, SS/TB, SS/TC, SS/TD, preceded by truck number.
- Reserved for 1990 or later IHRA-accepted factory production 1/2-ton or smaller pickup trucks.
- Sport Utility Vehicles (Blazer, Explorer, Cherokee, etc.) not allowed.
- No superchargers allowed.
- Class is determined by truck weight (with driver) ÷ engine displacement (cid).

#### Class Breakdown

- TA: 8.50–9.49 lbs/cid — Wedge, canted-valve, or Hemi engines; 3,350 lb min.
- TB: 9.50–10.49 lbs/cid — Small-block wedge or canted-valve under 366 cid; 3,000 lb min.
- TC: 10.50+ lbs/cid — Small-block true wedge (inline valve) under 366 cid; 3,000 lb min.
- TD: 12.00+ lbs/cid — V-6 engines; 2,900 lb min.

## REQUIREMENTS & SPECIFICATIONS

### Engine

- Carburetors:
  - TA: One IHRA-accepted 4-barrel, max 850 cfm.
  - TB, TC, TD: One IHRA-accepted 4-barrel, max 750 cfm.
  - Must retain OEM throttle bore size, venturi restricted to OEM + .025".
  - No welding throttle plates; polishing/booster mods allowed; choke plate removable.

## SUPER STOCK

- **Cylinder Heads:**
  - TA: V-8 splayed valve allowed.
  - TB: Canted or inline.
  - TC: Inline only.
  - TD: Any valve configuration.
  - All heads: IHRA-accepted, 2 valves per cylinder, aluminum allowed (no billet in TC), porting/polishing OK.
- **Engines:**
  - No aftermarket SBCs with bore centers >4.420".
  - Displacement unlimited in TA; limited to 366 cid in TB and TC.
  - No engine setback or raising.
  - Motor plates and mid-mounts allowed.
  - Must use harmonic balancer meeting SFI Spec 18.1.

### Drivetrain

- **Automatic Transmission:**
  - Flexplate must meet SFI Spec 29.1 (TA, TB, TC).
  - Transmission shield: SFI Spec 4.1.
  - Flexplate shield: SFI Spec 30.1 (TA, TB, TC).

### Brakes & Suspension

- **Front Suspension:**
  - Must retain stock system for the body used.
  - Lift kits/travel limiters OK.
  - Lower control arm may be modified for larger shock.
  - Aftermarket steering permitted.

### Chassis & Frame

- **Roll Cage / Bar:**
  - Roll cage mandatory in SS/TA, SS/TB, or any truck running 9.99 or quicker.
  - SFI 25.5 cage required for all vehicles running 8.49 or quicker.
  - Roll bar mandatory in SS/TC, SS/TD, or any truck running 11.49 or quicker.
- **Weight:**
  - Trucks with full automatic + converter may remove up to 5% or 250 lb (whichever is less).
  - Minimum weight includes driver.
- **Wheelbase:**
  - Must retain stock  $\pm 3/4$  in.
  - Minimum wheelbase: 97 in.
  - Max left/right variation: 1 in.

## **SUPER STOCK**

### **Body**

- **Hood:**
  - **Mandatory; fiberglass allowed.**
  - **No hood scoops.**
  - **Cowl induction permitted.**
  - **No tilt/removable front ends.**
- **Spoilers:**
  - **Rear spoiler max length: 6 in from tailgate.**
  - **Must be tailgate-mounted and not wider than tailgate.**
- **Windows:**
  - **Rear window may be Lexan or Plexiglas, 1/8 in min thickness.**

### **Electrical**

- **Master Cutoff:**
  - **Mandatory for any truck with battery in trunk.**

### **Driver Requirements**

- **Licensing:**
  - **Valid IHRA competition license required in TA, TB, TC, or for any truck running 9.99 or quicker.**
- **Safety Gear:**
  - **Jacket & pants: SFI 3.2A/5 or 3.4/5.**
  - **Gloves: SFI 3.3/1 if running 9.99 or quicker.**

## **MODIFIED**

### **IHRA Modified**

- **Based on IHRA Super Stock rules with specific exceptions.**
- **Designations: SS/AM through SS/GM (preceded by car number).**
- **Only factory production-built cars with production automobile engines.**
- **No body, drivetrain, or chassis alterations beyond allowed exceptions.**
- **Minimum wheelbase: 96 inches.**
- **Classes based on car weight ÷ engine displacement (ci), non-supercharged only.**
- **FWD conversions allowed.**

### **Class Indexes**

- **AM: 7.50–8.49 lb/ci; 2,650 lb min**
- **BM: 8.50–9.49 lb/ci; 2,750 lb min**
- **CM: 9.50–10.49 lb/ci; 2,850 lb min**
- **DM: 10.50–11.49 lb/ci; 2,950 lb min**
- **EM: 11.50–12.49 lb/ci**

## **SUPER STOCK**

- **FM: 12.50–13.49 lb/ci**
- **GM:**
  - **Inline 4-, 6-, and straight-8: 10.50+ lb/ci**
  - **Factory V-6: 11.00+ lb/ci**

### **Engine**

- **Must match car make; naturally aspirated only.**
- **Inline 4-barrels prohibited; max 2x 4-barrel or 3x 2-barrel carbs.**
- **No billet heads; aftermarket aluminum allowed.**
- **Any valve size/config allowed in GM (V-6); splayed valves in AM/BM.**
- **OEM bore spacing required; no rear-engine unless factory-original.**
- **Harmonic balancer must meet SFI 18.1.**
- **External single-stage oil pump allowed.**

### **Fuel/Induction**

- **Any mech. fuel pump + up to two electric pumps (must shut off with ignition).**
- **Max two 4-barrel throttle bodies; EFI permitted with IHRA-accepted ECU/software.**
- **No forward-facing throttle bodies or auxiliary injectors.**

### **Cooling/Accessories**

- **Radiator may be moved; splash pans may be modified.**
- **Smog pump use for crankcase evacuation allowed.**

### **Drivetrain**

- **Any automotive-type rear end allowed.**
- **Automatic: 3-speed max; SFI 29.1 flexplate required.**
- **Manual: 3-5 speeds; clutchless and clutch-assisted allowed.**
- **Transmission shield (SFI 4.1) and flexplate shield (SFI 30.1) mandatory.**

### **Chassis/Suspension**

- **FWD conversions: OEM lower A-arms, OEM upper frame rails, adjustable heims allowed.**
- **RWD: OEM or IHRA-accepted front suspension; full tube chassis prohibited.**
- **Wheelie bars up to 54" or rear bumper.**

### **Frame & Safety**

- **OEM impact bars must mount bumpers.**
- **Minor frame modding allowed for clearance.**
- **Parachute required in AM & BM.**
- **Roll cage (25.5 spec) mandatory for cars running 8.49 or quicker.**
- **Car weight includes driver; weight break for autos with converters.**

## **SUPER STOCK**

### **Tires/Wheels**

- Any slicks that fit OEM outer wells; inner wells can be modified.
- Aftermarket wheels allowed; min diameter: 13".

### **Interior**

- OEM dash required, can be removable but must look stock.
- Full upholstery required (carpet, panels, headliner).
- SFI window net (ribbon or mesh type) mandatory.

### **Body**

- Only hood can be fiberglass; rest must be OEM or OEM-appearance.
- Limited inner fender mods allowed.
- Hood must fully cover carb/scoop with one opening.
- Rear spoiler max 6" long, 4" spill plates, no wider than deck lid.

### **Firewall/Floor**

- Firewall mods only for distributor/magneto clearance.
- Certain cars allowed specific firewall relocation.
- Firewall must be steel, one-piece, and sealed.
- Stock floor required; modding allowed for FWD driveshaft tunnels.

### **Windows/Visibility**

- Windows must be closed; don't need to be operable.

### **Electrical**

- Any battery-powered ignition system allowed.

### **Driver**

- IHRA competition license required.
- SFI 3.2A/5 jacket and pants mandatory.
- SFI 3.3/1 gloves mandatory for 9.99 or quicker.

## **Super Stock MX**

### **IHRA Super Stock/MX Class**

- Rules based on IHRA Modified Stock & Modified
- Applies to non-supercharged 4- and 6-cylinder cars.
- Front-wheel-drive conversions allowed.
- Class determined by weight-to-cubic-inch ratio.

### **Class Designations**

- SS/AX, SS/BX, SS/CX, SS/DX, SS/EX, SS/VX (preceded by car number).

### **Class Breakdown (Weight per CID)**

- AX: 8.50–10.99
- BX: 11.00–12.49
- CX: 12.50+

## **SUPER STOCK**

- **DX: 15.00+**, two turbochargers or OEM supercharger (turbo must be dry).
- **EX: 11.50+**, naturally aspirated methanol, FWD only.
- **VX: 12.00+**, naturally aspirated air-cooled Volkswagen, rear-engine.

### **ENGINE REGULATIONS**

#### **General**

- One naturally aspirated engine (AX, BX, CX).
- Up to 10% setback from front spindles to nearest spark plug.
- Rear-engine setups permitted.
- Must match engine type to car model.

#### **EX Class**

- Same manufacturer engine as body.
- 4-cylinder only.
- OEM block/head must be or have been mass-produced (5,000+ units).
- Methanol fuel only.

#### **VX Class**

- Air-cooled, naturally aspirated OEM Volkswagen.
- Max 2,444cc (149 CID).
- Steel components required; vacuum pump prohibited.

#### **Camshaft/Lifters (VX)**

- Flat tappet cam/lifters only.
- Max lift: 0.645 inch.

#### **Carburetors**

- OEM carburetors allowed.
- VX limited to two downdraft carbs (Kadron, Weber, Dellorto, Empi).

#### **Cylinder Heads**

- OEM castings with OEM numbers required.
- VX must use stock-flange VW heads with specific valve dimensions.

#### **Induction & Oil**

- EFI allowed; dry-sump systems allowed (except VX).
- VX must use OEM-style rocker arms.

#### **Turbochargers (DX only)**

- Max sizes: twin 62mm or single 80mm.
- Intercoolers allowed.

### **DRIVETRAIN**

## **SUPER STOCK**

### **Rear End**

- Quick-change allowed with axle retention.

### **Transmissions**

- Manual: 5-speed max, reverse required.
- EX: Manual only, max 2-disc clutch, SFI shielding required.
- VX: Manual only, 4-speed max, no clutchless/sequential, foot-operated clutch only.

### **Transmission Shielding**

- SFI specs 29.1 and 30.1 required for auto transmissions (AX–DX).

## **SUSPENSION & BRAKES**

### **Front Suspension**

- EX: Factory strut mounting; minor modding allowed; 1 working shock/strut per wheel.
- VX: OEM-type suspension; minor raising/narrowing allowed.

### **Rear Suspension**

- EX: Straight axle allowed if OEM mounting retained.
- VX: Same as front rules.

### **Wheelie Bars**

- Permitted for EX and VX (max 65" from rear bumper).

## **CHASSIS & FRAME**

### **Frame**

- Stock, altered, or tubular (min 0.083" thick).

### **Roll Bar / Roll Cage**

- Roll bar: CX, VX mandatory.
- Roll cage: AX, BX, DX mandatory.
- SFI 25.5 required for cars 8.49 or quicker.

### **Weight Minimums (with driver)**

- 6-cylinder: 1,700 lbs
- 4-cylinder: 1,200 lbs
- VX: 1,600 lbs
- Automatic cars may remove 100 lbs.

## **TIRES, WHEELS & INTERIOR**

### **Tires**

- VX: Max 10" tread width.

### **Wheels**

- Min 13", unless originally smaller and using original engine.

## **SUPER STOCK**

### **Interior**

- **EX/VX:** Optional upholstery; one seat required; no floor/firewall holes.

### **BODY REQUIREMENTS**

#### **General**

- Coupe/sedan bodies only.
- Max 4" chop; stock windshield angle.
- Fiberglass allowed if stock look is kept.
- Fenders required.

#### **EX Class**

- Must use IHRA-accepted bodies.
- No pickups/SUVs.
- Lexan allowed for glass.
- Lightweight panels permitted.

#### **VX Class**

- Full-bodied rear-engine VW only.

#### **Other Body Rules**

- Hood: Mandatory, with covered carbs/injectors.
- Spoilers: OEM front; rear allowed (6" long, 4" high max).
- Windows: Lexan/Plexiglas permitted (1/8" thick).
- Street Equipment: Two headlights and taillights required (painted acceptable).

### **SAFETY & SUPPORT EQUIPMENT**

#### **Fire Extinguishers**

- EX: 5-lb IHRA-approved system with dual nozzles mandatory.

#### **Driver Credentials**

- IHRA competition license required (AX, BX, DX, EX).

#### **Seating**

- Driver must be in stock position (up to 10" rearward for legroom).

#### **Protective Gear**

- AX/BX/DX/EX or 9.99 sec cars: SFI 3.2A/5 or 3.4/5 suit.
- CX/VX: SFI 3.2A/1 suit.
- EX: SFI 3.3/1 gloves, boots.
- 9.99 or quicker: SFI 3.3/1 gloves mandatory.
- Neck collar mandatory.

**Eligibility:** Reserved for American-built cars with American automobile production engines.

**Modifications:** Body, drivetrain, and chassis cannot be altered, modified, or relocated—except as outlined in official requirements and specifications.

**Starting Restrictions:** Push starts and tow cars are prohibited.

**Minimum Weight:** All entries must have a minimum shipping weight of 2,500 lbs.

- **Manufacturer Compatibility:** Corporate engine and body relationships are allowed.
- **Number Display:** Car numbers must be at least 4 inches high on all four windows.
- **Launch Control:** Only steering wheel line button applications for launch are permitted.
- **Classification:** Based on dividing vehicle shipping weight by chosen engine combination.
- **Shipping Weight Determination:** If no V-8 was offered in a model, use the weight of the highest gasoline V-6 available in that model.
- **Race Weight Calculation:** Multiply class break by engine cubic inch displacement, then add 170 lbs. for driver standard.

**CLASSES:**

- Class PA - 7.00 to 7.49 lbs. per cubic inch.
- Class PB - 7.50 to 7.99 lbs. per cubic inch.
- Class PC - 8.00 to 8.49 lbs. per cubic inch.
- Class PD - 8.50 to 8.99 lbs. per cubic inch.
- Class PE- 9.00 to 9.49 lbs. per cubic inch.
- Class PF - 9.50 to 9.99 lbs. per cubic inch.
- Class PG - 10.00 to 10.99 lbs. per cubic inch.
- Class PH – 11.00 to 11.99 lbs. per cubic inch.
- Class PI - 12.00 to 12.99 lbs. per cubic inch.
- Class PG - 13.00 or more lbs. per cubic inch.

**General**

- Same rules as Super Stock classes except for the following specifics.

**Body Requirements**

- **Convertibles:** Must run with the top up.
- **Eligible Body Types:** Sedan delivery, Ranchero, El Camino (if properly classified).

## **SUPER STOCK**

- **Pickup Beds:** No alteration in height or length; tailgates must remain closed.
- **Customizing:** No modifications allowed to improve aerodynamics; subject to Technical Committee approval.
- **Floors:** Stock floors must remain; replacement allowed only if same thickness is maintained.
- **Front-Wheel Drive:** Conversions are permitted.

### **Exterior Components**

- **Bumpers:** Must be full stock factory production; retain minimum two stock steel braces.
- **Fenders:** Stock inner splash pans required; may be trimmed up to 2" for header clearance.
- **Grille:** Must be stock.
- **Hood:**
  - Full hood required; air scoops allowed.
  - Maximum scoop height: 9" from hood surface centerline.
  - Fiberglass scoops allowed; must be functional and feed carburetor air.
  - Hoods may be cut for carb clearance and removed during competition.
  - Hood must align with adjacent panels per factory specs.
  - May remove wiper motor/transmission, heater, and A/C.
  - Headlights and tail lights (OEM or hideaway) required.

### **Interior**

- **Seats:** Factory production bucket seats only; plastic seats prohibited.
- **Rear Seat:** May be removed if allowed; must upholster exposed floor.
- **Upholstery:** Optional (plastic shields and carpet too) if area is upholstered.
- **Full Interior:** Required per General Regulations.

### **Glass**

- **Windshield/Windows:** Must be OEM type and fully functional.

### **Chassis**

#### **Battery**

- Can be relocated to trunk.
- Flash shield required.
- Max 2 batteries, 100 lbs total.
- Must be securely mounted to chassis.

## **SUPER STOCK**

- Master cutoff switch mandatory and must be marked “on-off”.

### **Brakes**

- Must have a stock 4-wheel hydraulic or aftermarket disc system.
- Dual master cylinder required.
- All brakes must meet the following criteria:
  - 1) Minimum effective piston area per wheel 3 1/2 square inches.
  - 2) Minimum disc (rotor) diameter: 10 3/4" x 5/16" thick ferrous material only; no holes may be drilled in disc except for mounting.
  - 3) Mounting requirements for rotor: Five 3/8" grade 8 bolts, eight 5/16" grade 8 bolts or twelve 1/4" grade 8 bolts.

### **Brake Lines**

- Brake lines must be routed outside the frame rail or enclosed in 1/8 inch steel tubing in flywheel area. Copper tubing prohibited.

### **Frame**

- Frame or subfloor must be stock for body used.
- Subframes on unibody cars may be joined under car. Maximum size material to be used: 2" x 3" x .120" ms. Round tubing may be used to join sub frame in straight line extending through car floor with floor completely welded to member. Rear sub frames may be moderately moved in for tire clearance, (see TIRES.) Rear may be constructed of 2" x 3" rectangular material with .083 cm or 1 5/8" x .083" cm or .120" ms round tubing and must be installed at original height location. Cross members may be added for traction bar and shock absorber mounts.

### **Fuel Lines**

- Fuel lines in the flywheel, bell housing area must be enclosed in a 16" length of steel tubing, 1/8 inch minimum wall thickness.
- All fuel system components must be completely isolated from the driver's compartment by a firewall. No part of fuel system may be mounted on firewall.

### **Fuel Pump**

- Electric fuel pump permitted. The ignition switch must act as a power shut off.
- If electric fuel pumps are mounted in the trunk a flash shield made of .032" aluminum or .028" steel must be used to separate the passenger compartment from the trunk.

### **Fuel Tank**

- Fuel cells permitted. One tank maximum.

## **SUPER STOCK**

- If filler neck is located in the trunk, a flash shield is required and the tank must be vented outside.

### **Suspension**

- Coil over shocks with any rear end accepted.

### **Steering**

- Rack and pinion steering permitted.
- Minimum steering wheel diameter 13".

### **Tires**

- May use any tire/wheel combination up to a 14 1/2" wide x 33" diameter tire.
- Internal wheel well modifications allowed in rear, provided area is closed where cutting or spreading was done. Material to replace sections of inner fender well must be steel, same thickness as removed.
- External fender alterations limited to trimming leading and/or trailing edges of fender for tire clearance.
- Edges must be re-rolled and appear stock.
- Flaring or spreading external fender line prohibited.
- Tire tread may not be outside fender, no more than 1 1/2" under body.

### **Traction Bars**

- Units must not be longer in overall length than one-half of the wheel base of the car.
- Traction bars and/or mounting brackets must not be lower than the lowest edge of the rear rim.
- May not extend through floor board.

### **Wheelbase**

- Must remain stock as originally manufactured.
- See General Regulations.

### **Wheelie Bars**

- May be 54" long or to rear bumper, whichever is longer.

### **Weight**

- Shipping weight may be adjusted up or down, provided adjustments does not drop below the 2500 lbs. minimum shipping weight.
- Shipping weight is based upon the lightest gasoline engine available for car.
- 170 lbs. is added as a driver spec to determine weight for competition.

## **ENGINE**

### **Carburetors**

## **SUPER STOCK**

- American manufactured modular style carburetor mandatory (ie replaceable float bowls, metering block and bodies, etc.) and must be IHRA accepted.
- All internal modifications to carburetor are permissible. Any automotive type linkage may be used from foot pedal to carburetors, providing 2 return springs are used.
- All 2-BBL carburetors must be accepted.
- In-line 4-BBL and weber type prohibited.
- All 2-BBL carburetors must use IHRA approved restrictor plate with the following dimensions.
- Minimum thickness is 1/8" with maximum thickness of 1/4" with two holes 1 3/4" each.
- Tapered holes prohibited.

### **Clutch**

- SFI 1.1 required.

### **Distributor**

- Any ignition system may be used.
- Only one distributor allowed.

### **Driveshaft Loop**

- One required 6" back from front U-joint. All loops are to be 360 degrees.
- 2 permitted.
- See General Regulations.

### **Engine**

- Engine must match corporate body.
- Cylinders may be bored a maximum of .080 larger than standard bore size for respective engine.
- Stock stroke +/- .015 allowed.
- Any camshaft may be used.
- Any factory produced cylinder heads may be used, providing they are of the same make as the engine.
- Any compression ratio is permissible.
- Overhead cam engines will not be permitted.
- Aluminum rods permitted.
- Combustion chamber polishing or grinding permitted.
- Stock mounting brackets must be retained although additional mounts may be used.
- Motor plates allowed, front and rear.
- The competitor must declare the correct cubic inch displacement, including overbore at the time of classification.
- Cars will be classed by original factory cubic inches and not by overbore.
- The use of air pumps and external oil pumps is permitted on 4 bbl entries only.

### **Exhaust System**

- Headers permitted.
- Outlets for open exhaust cannot exceed five (5) inches in diameter.
- A maximum of two (2) outlets per car will be permitted.

### **Flywheel Shield**

- SFI Spec. 6.1 mandatory.

## **SUPER STOCK**

### **Generator and Water Pump**

- Generator optional.
- Aluminum water pump accepted.
- Electric water pump permitted.

### **Gasoline**

- Gasoline must be used.
- Aviation gasoline, additives or oxygen bearing chemicals of any type to increase specific gravity, octane rating, etc., will not be permitted.
- See General Regulations.

### **Harmonic Balancer**

- SFI 18.1 mandatory.

### **Heads**

- All cylinder heads must be IHRA approved and maintain a corporate relationship.
- Aftermarket cylinder heads prohibited.
- Buick cylinder heads will be permitted on GM combinations.

### **Intake Manifold**

- Any single four-barrel intake manifold permitted, provided its design is based upon OEM configuration and will fit existing hood scoop limitations.

### **Rear End**

- Any automotive type permitted. Aftermarket center sections permitted. Two speed or quick-change rear ends prohibited. Axle anti-rotation and retention device mandatory.
- Aftermarket axles mandatory.
- See General Regulations.

### **Transmission**

- Any passenger car transmission permitted. Corporate relationship must be retained. Limited to 5 forward speeds.
- Floor shift conversion kits will be permitted.
- Modifications to the shifting pattern are permissible.
- Transmission shield or blanket meeting SFI 4.1 mandatory.

### **Transmission Brake**

- Pneumatic release units prohibited.
- The system may have only one release button and wiring must be approved by IHRA Technical Department.
- See General Regulations.

## **SAFETY EQUIPMENT**

### **Driver Restraint**

- Must meet SFI 16.1 or 16.5

### **Helmet**

- SN, SA, M or K-2015 or newer mandatory.

### **Roll Cage**

- 6 Point required.
- See General Regulations under Roll Cage.
- All cars must have padded head rest.

### **Protective Clothing**

- A jacket meeting SFI 3.2A/5 is required in Classes A through E and a jacket meeting SFI 3.2A/1 is allowed in classes F through J.
- Long pants required.

## **SUPER STOCK**

- Nylon type prohibited.

### **Window Net**

- SFI 27.1 mandatory.