



## Streamliner & Sidecar Streamliner - S & SCS

### QUALIFYING & RECORD CERTIFICATION INSPECTION

#### S FRAME CHECK LIST

Streamliners have no frame class requirements.

#### SC FRAME CHECK LIST

This inspection shall be conducted of the entry in the as-ran condition without any disassembly.

**All Sidecar Streamliner classes must meet these requirements**

#### 7.I.12 SIDECAR STREAMLINER

Shall meet all applicable sidecar requirements and

- Power shall be transmitted through the rear wheel only
- Steering shall be done with the front wheel only.

#### APPLICABLE SIDECAR REQUIREMENTS

##### 7.I.6 SIDECAR:

- The sidecar unit may be located on either the left or right side.

##### 7.I.7 WHEELBASE AND TRACK:

- Track shall be no less than 81.28 cm (32 inches).

##### 7.I.9 TYRES:

- The speed rating requirements for solo machines apply, See Section 7.B.8.

##### 7.I.11 PASSENGER ACCOMODATION:

- Sidecar platform shall be able to accommodate a forward-facing, kneeling passenger with a size and weight of 170.18 cm (5 feet 7 inches) and 77.11 kg (170 lbs).
- The platform shall encompass a rectangular shape having a minimum dimension of 30.48 cm (12 in.) by 81.28 cm (32 in.).
- The 30.48 cm (12 in.) dimension shall be oriented perpendicular (90 deg.) to the wheelbase of the motorcycle.
- The 81.28 cm (32 in.) dimension shall be oriented parallel to the wheelbase.



## S & SCS ENGINE CHECKLIST

### 7.D.3 ENGINE DISPLACEMENT Streamliner & Sidecar Streamliner

Allowable Engine Displacement Classes for the Modified Production Classes are shown in cubic centimeters:

50, 100, 125, 175, 250, 350, 500, 650, 750, 1000, 1350, 1650, 2000, 3000, 3001+

### 7.D.4 MODIFIED PRODUCTION can run in the following ENGINE CLASSES;

BF	Supercharged/Turbocharged Engine: Fuel
BG	Supercharged/Turbocharged Engine: Gasoline
F	Modified Engine: Fuel
G	Modified Engine: Gasoline
PBF	Supercharged/Turbocharged Push Rod Engine: Fuel
PBG	Supercharged/Turbocharged Push Rod Engine: Gasoline
PF	Push Rod Engine: Fuel
PG	Push Rod Engine: Gasoline
UF	Unlimited Engine: Fuel
UG	Unlimited Engine: Gasoline
VBF	Supercharged Vintage Engine Fuel
VBG	Supercharged Vintage Engine: Gasoline
VF	Vintage Engine: Fuel
VG	Vintage Engine: Gasoline
Ω	Steam, Turbine or Electric

### 7.H.18 Engine:

- No more than four (4) engines are permitted

**ENGINE CLASS REQUIREMENTS – Use appropriate Engine class checklist**

### 7.J. 5 CLASS FUEL - F:

- Shall be comprised of major parts and components designed primarily for use in motorcycle engines.
- Superchargers or turbochargers are not permitted.
- Fuel injection is permitted.
- No restrictions on fuel.

### 7.J.6 CLASS GAS - G:

- Shall be comprised of major parts and components designed primarily for use in motorcycle engines.
- Superchargers or turbochargers are not permitted.
- Fuel injection is permitted.
- Limited to event gasoline or an approved gasoline, see Section 2.B .



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- All nitrous oxide bottles, lines and solenoids shall be removed. Injectors may be removed or capped **7.B.21**

## **7.J.7 CLASS BLOWN FUEL - BF:**

- Shall be comprised of major parts and components designed primarily for use in motorcycle engines.
- Supercharger or turbocharger is required and shall be mechanically or exhaust gas driven and shall pressurize the intake system above atmospheric pressure.
- Fuel injection is permitted.
- No restrictions on fuel.

## **7.J.8 CLASS BLOWN GAS - BG:**

- Shall be comprised of major parts and components designed primarily for use in motorcycle engines.
- Supercharger or turbocharger is required and shall be mechanically or exhaust gas driven and shall pressurize the intake system above atmospheric pressure.
- Fuel injection is permitted.
- Limited to event gasoline. See section **2.B.**
- Water injection is allowed, but water tanks shall be inspected and sealed prior to each record run.
- All nitrous oxide bottles, lines and solenoids shall be removed. Injectors may be removed or capped **7.B.21**

## **7.J.9 CLASS PUSH ROD GAS - PG AND PUSH ROD FUEL - PF:**

- Any motorcycle engine with push rod operated valves.
- The camshaft shall be located at least one crankshaft stroke below the OEM cylinder deck position or that utilize OEM pushrod length at least twice the crankshaft stroke.
- Replacement heads shall have the same number of valves as originally produced as a production engine.
- When competing in PG class. all nitrous oxide bottles, lines and solenoids shall be removed. Injectors may be removed or capped **7.B.21**
- When competing in PF class, there are no restrictions on fuel.

## **7.J.10 CLASS VINTAGE GAS - VG AND VINTAGE FUEL - VF:**

For reasons of historical authenticity, vintage engine modifications are restricted to older technology levels as far as practical.

- Accordingly, in classes VF, VG, VBF and VBG newer technologies EFI, or electronic reactive ignition systems are not in keeping with the spirit of the Vintage classes and are not allowed.
- Shall be comprised of major parts and components designed primarily for use in motorcycle engines produced prior to 1956.
- Superchargers or turbochargers are not permitted.
- Mechanical Fuel Injection is permitted.



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- Engines shall utilize OEM crankcase, OEM cylinders on flatheads and two strokes and OEM heads on OHV engines.
- Above components made after 1955 and exact reproductions may be considered legal in Vintage classes if they offer no competitive advantage. Pre-installation approval by the contest board is required. [Check log book.](#)
- Computers are allowed for data collection purposes only.
- When competing in VG class. all nitrous oxide bottles, lines and solenoids shall be removed. Injectors may be removed or capped **7.B.21**
- When competing in VF class, there are no restrictions on fuel.

## **7.J.10.1 CLASS VINTAGE BLOWN FUEL - VBF AND VINTAGE BLOWN GAS - VBG:**

For reasons of historical authenticity, vintage engine modifications are restricted to older technology levels as far as practical.

- Accordingly, in classes VF, VG, VBF and VBG newer technologies EFI, or electronic reactive ignition systems are not in keeping with the spirit of the Vintage classes and are not allowed.
- Shall be comprised of major parts and components designed primarily for use in motorcycle engines produced prior to 1956.
- A supercharger is required and shall be mechanically or exhaust gas driven and shall pressurize the intake system above atmospheric pressure
- Mechanical Fuel Injection is permitted.
- Engines shall utilize OEM crankcase, OEM cylinders on flatheads and two strokes and OEM heads on OHV engines.
- Above components made after 1955 and exact reproductions may be considered legal in Vintage classes if they offer no competitive advantage. Pre-installation approval by the contest board is required. [Check log book.](#)
- Computers are allowed for data collection purposes only.
- When competing in VBG class. all nitrous oxide bottles, lines and solenoids shall be removed. Injectors may be removed or capped **7.B.21**
- When competing in VBF class, there are no restrictions on fuel.

## **7.J.11 CLASS PUSH ROD BLOWN GAS - PBG AND PUSH ROD BLOWN FUEL - PBF:**

- Any motorcycle engine with push rod operated valves.
- A supercharger is required and shall be mechanically or exhaust gas driven and shall pressurize the intake system above atmospheric pressure
- The camshaft shall be located at least one crankshaft stroke below the OEM cylinder deck position or that utilize OEM pushrod length at least twice the crankshaft stroke.
- Replacement heads shall have the same number of valves as originally produced as a production engine.
- When competing in PBG class. all nitrous oxide bottles, lines and solenoids shall be removed. Injectors may be removed or capped **7.B.21**
- When competing in PBF class, there are no restrictions on fuel.

## **7.J.12 CLASS UNLIMITED FUEL – UF AND UNLIMITED GAS - UG:**



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- Any reciprocating **non-motorcycle** engine which uses the Otto cycle may run in Streamliner, and sidecar streamliner classes only
- Supercharged engines do not advance class size.
- When competing in the gas classes, all nitrous oxide bottles, lines and solenoids shall be removed

## **7.J.13 CLASS $\Omega$ (OMEGA):**

- An engine using a thermodynamic cycle other than Otto, Two Cycle or Diesel.
- This class includes electric, steam and turbine engines.

## **GAS / FUEL CERTIFICATION**

- This entry is running in fuel class
- Gasoline is event gas in a sealed tank