



SIDE CAR – SC

QUALIFYING & RECORD CERTIFICATION INSPECTION

SC FRAME CHECK LIST

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

SIDECAR – All SC entries must meet these requirements

7.1.6 SIDECAR:

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

7.1.7 WHEELBASE AND TRACK:

- Track shall be no less than 81.28 cm (32 in.) and wheelbase between 127 cm (50 in.) and 279.4 cm (110 in.). [Measure this offset](#)

7.1.8 WHEEL SIZE:

- The front and rear wheel rim shall be no less than 25.4 cm (10 in.) nominal diameter.
- The sidecar wheel rim may be no less than 12.7 cm (5 in.) nominal diameter.

7.1.9 TIRES:

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

7.1.11 PASSENGER ACCOMMODATION:

- Sidecar platform shall be able to accommodate a forward-facing, kneeling passenger with a size and weight of 170.18 cm (5 ft. 7 in.), 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.). [There is a template at the trailer.](#)
- 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.



SC ENGINE CHECKLIST

7.D.4 ENGINE DISPLACEMENT SC

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 SIDECARS 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
VBF	Supercharged Vintage Engine Fuel
VBG	Supercharged Vintage Engine: Gasoline
VF	Vintage Engine: Fuel
VG	Vintage Engine: Gasoline
Ω	Steam, Turbine or Electric

This inspection shall be conducted of the entry in the as-un condition without any disassembly. The inspection must be conducted before engine displacement certification.

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**.
- 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.
- 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.



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- 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.13 CLASS Ω (OMEGA):

- An engine using a thermodynamic cycle other than Otto, Two Cycle or Diesel.
- Although electric motors are not a Thermodynamic Cycle they are allowed in this class.
- This class includes electric, steam and turbine engines.
- Entry shall comply with all applicable frame class requirements.



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- Entrant shall submit complete power plant details to the technical committee for safety evaluation at least 45 days prior to the meet in writing in accordance with the RULE DEVIATION procedure, Section **1.R.**

GAS / FUEL CERTIFICATION

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