

# IAME SSE 175cc Shifter USA

## 2018 Supplementary Rules and Quick Reference

### Effective 12-1-2018

Engine and components must have original specifications and appearance. When updated components or sub-assembly are available from the factory, those parts are allowed. In every case, items may be compared to known stock parts to determine compliance. Factory engine fiche (pdf) may be used to determine compliance.

The following exceptions and clarifications are applicable:

**Bearings, seals, O-rings, and gaskets:** May be replaced with equivalent from aftermarket supply. No ceramic or exotic material bearing allowed. Components that measure within tolerance but show evidence of modification from factory-delivered condition are subject to disqualification.

**Carburetor:** Tillotson HB15A -- Venturi diameter is Max 34mm (1.339") -- Throttle bore diameter maximum is 36mm (1.417") Must be run in position shown on fiche .pdf -- Auxiliary return spring required. Adjusting needle guard mandatory during all competition (qualifying--heats--finals)

**Exhaust timing:** measurement using LAD tool: 1.200" (visible light: 1.075")

- Changing cylinder base gasket thickness to adjust port opening duration is allowed.

**Reeds:** Genuine IAME carbon type -- Minimum thickness: .011" -- backup/secondary/stiffener petals are non-tech

**Ports:** must remain as manufactured condition. No grinding or polishing of any kind.

**Minimum squish:** .039", with 1/16" 50/50 solder.

**Air Box:** Righetti Ridolfi NOX d.30 as supplied with engine kit. No modifications allowed.  
Max tube size 30mm diameter

**Ignition:** PVL per fiche -- maximum timing advance - 0.080" BTDC

#### **Spark plug specifications:**

- Only the following plugs are allowed: NGK R6252K-105-- NGK R6254-105--NGK BR10EG--NGK B10EG
- Must be stock and unmodified. May be compared to a known stock plug to determine compliance. 18.5mm max length
- Spark plug washer, indexing washer or head temperature sensor must be in place.

**Radiator:** One (1) aftermarket radiator allowed subject to the following:

- No auxiliary fans.
- No additional scoops, air dams or other aerodynamic additions.
- Water pump is non-tech but must be powered from axle. Electric pumps not allowed.
- Thermostat optional.
- Mounting height 50cm maximum from ground (excluding filler cap).
- Maximum radiator dimensions: Height: 19.5" Width: 12" Depth: 3.250" (496mm x 305mm x 83mm).
- Shield on rear allowed to prevent damage from track debris.

**Clutch:** must be run as factory supplied with no exchange of parts or modifications

**Pipe and Silencer:** as factory supplied with kit -- pipe 21/M/18 -- silencer Elto -- 28mm straight tube U-bend -- 20mm aluminum spacer with 1mm gasket both sides mandatory between cylinder and header.

**Oil mixture:** 8oz per gallon of specified oil and gas

**Engine claiming:** As per current SKUSA Rulebook.