

### 3.9.3 SUPER TWIN BIKE

#### CLASS DESIGNATION: ST/B - CLASS INDEX - FULL TREE START

##### ELIMINATOR:

##### COMPETITION BIKE

##### Class Description:

All machines must bear full street equipment including lights, instruments, mudguards, wiring harness, etc. Aftermarket headlight, taillight and instruments permitted. Indicators and mirrors may be removed. Full size fuel tank for frame used mandatory. All rider and General Regulations applicable to 'Street Bike' Eliminator must be complied with as a minimum.

**Weightbreak:** 5.85 lbs/cube, 148 cubic inch maximum.

**Engine:** US V-Twin only, up to 148 cu ins (2425.28cc). Provision must be made for engine sealing.

Mass produced cast aftermarket engine cases, cylinders and cylinder heads permitted. Billet barrels permitted.

**Electrical:** Full charging and self-starting system required.

**Kill Switch:** A positive action ignition kill switch (not button) must be mounted within reach of the handgrip.

**Lanyard:** A "lanyard" type kill switch must be fitted and be attached to the rider while operating.

**Exhaust:** Any exhaust system permitted. Refer Engine, Exhaust.

**Fuel:** All classes restricted to Ethanol, Methanol or Petrol only. Taps must be installed in fuel lines except on EFI factory engines that are fitted with operating factory tip over sensor. Refer Fuel.

**Induction:** OEM or mass-produced aftermarket EFI system designed as a direct replacement for Harley Davidson EFI permitted.

**Carburettors:** Any motorcycle carburettor/s permitted.

**Transmission:** Aftermarket transmission of up to six speeds permitted. Automatic transmissions prohibited.

**Chain Guard:** Exposed chains or belts must be covered on the top run from the vertical centreline of the rear sprocket for the maximum allowable distance (on the swing arm). The chain guard cover must be fastened to the swing arm for both fixed and moving swing arms.

Minimum material specifications for chain guards: 25 mm (1 inch) by 3.0 mm (1/8 inch) Steel, Chromoly or Aluminium.

Stock chain guard may be retained at a minimum on unmodified motorcycles.

**Gear Shifting:** Air (pneumatic) or electronic gear change devices permitted.

**Clutch:** Aftermarket V-Twin clutch permitted using primary chain or Belt.

**Wheels:** Minimum wheel diameter 16 inches (406 mm). Aftermarket wheels permitted.

**Tyres:** DOT rated motorcycle tyres with minimum tread depth of 1.6 mm (1/16 inch) required. Slick and tyres marked "Not for Highway Use" prohibited.

**Handlebars:** Handlebars must be no more than 457 mm (18 inches) above seat.

**Frame:** OEM, mass-produced or commercially available aftermarket frame permitted.

**Ballast:** Removable ballast to a maximum of 12.00 kg (26.45 lbs).

**Suspension:** Required. Minimum travel of 50 mm (2 inches) front and 25 mm (1 inch) rear required. Minimum fork tube diameter of 32 mm (1 1/4 inches).

**Wheelbase:** Maximum wheelbase of 1778 mm (70 inches).

**Wheelie Bars:** Wheelie Bars are prohibited.

**Self Starting:** Required. Push starts are prohibited. Refer Support Group, Self Starting.

**Night Lighting:** Required.

**Clothing:** The wearing of club "colours" in conjunction with leathers or otherwise is expressly forbidden. Refer Protective Clothing.

**Licence Requirement:** Group 2 UDL as a minimum.

**Technical Inspection:** Required.