

Formula Libre Junior (Honda Junior)

Complying with MSA Formula Libre regulations with the following variation and additions:

FL1.3 Chassis. Wheelbase to be between 98 – 108cms. The rear axle is to be constructed from 30 mm nominal diameter solid or hollow magnetic material. An extended width rear bumper is mandatory. The bumper is to be constructed from a minimum 25mm nominal diameter 14g magnetic steel tube. The bumper must form an extended loop of 180mm \pm 10mm centres with the bottom loop centre 60mm \pm 10mm from the ground in dry configuration. The horizontal rails must be wider than the outer chassis rails. The bumper must be supported in a minimum of two places from the chassis and be of such a construction to withstand substantial impact. In side view the bumper will be in the vertical plane. The overall width of the bumper must not exceed the rear width of the kart at any time; The measurement to be taken at the outside of the rear wheel or tyre, whichever is the greater and must cover a minimum of 50% of each rear wheel/tyre at all times. Adjustable width bumpers are not permitted. 25mm or 30mm axles must be fitted with circlips into grooves on the ends.

FL1.3.1 Side Pods. The fitting of side pods is mandatory and they must comply with current MSA Yearbook regulations but with the following additional provision. Side pods may be cut away on their inner, upper and lower surfaces by the minimum amount to clear an engine and its attachments. The upper and lower surfaces may be cut away up to a maximum of half the width of the surface.

FL1.3.2 Front Fairing. Use of a traditional front bumper with two vertical uprights is permitted to make use of the CIK homologated front fairing without the associated CIK homologated metalwork in which case the CIK mounting block is not mandatory. The CIK-homologated detachable front fairing mounting kit (CIK drawing 2c) is not mandatory.

FL1.4 Engine. The only engines permitted are two of Honda engines of the GX160T1 'QHQ4' or GX160UT1 'QHQ4' or 'QHG4' or GX160UT2 'QHQ4' or 'QHG4' designation or as subsequently modified are to be fitted. Engines must comply with the ABkC Honda GX160 Technical Regulations Version 12 of January 2017 and then Version 13a from 31 March 2018 or as subsequently modified which are available from the ABkC. T1 engines must comply with the ABkC Honda GX160 Technical Regulations version 11a 2016. The 2016 Honda Cadet bespoke exhaust is not permitted. Honda will not accept warranty claims on engines used in any practice or racing capacity.

FL1.4.1 Exhaust, Inlet and Throttle Restrictors. The inlet restrictor for Honda Junior is 16mm ABkC marked as per the Honda GX160 Technical Regulations.

FL1.4.2 Carburettor. As per Honda GX160 Technical Regulations.

FL1.4.3 Fuel Pump. As per Honda GX160 Technical Regulations

FL1.4.4 Intake Silencer. As per Honda GX160 Technical Regulations

FL1.4.5 Exhaust System. As per Honda GX160 Technical Regulations

FL1.4.7 Ignition Unit. As per Honda GX160 Technical Regulations

FL1.4.8 Spark Plug. As per Honda GX160 Technical Regulations

FL1.5 Transmission. For clutch see ABkC Honda GX160 Technical Regulations. Drive is to be by 219 chain or by belt.

FL1.7 Tyres.

SLICKS: Dunlop SL1 or Bridgestone YDS Front 10 x 4.5 x 5, Rear 11 x 7.1 x 5

WETS: Dunlop KT3 or Bridgestone YFD Front 10 x 3.6 x 5, Rear 11 x 6.0 x 5.

If so marked, tyres must be fitted to run in the correct direction of rotation, as indicated by the arrow on the sidewall of the tyre.

FL1.8.1 Weight. Minimum of 152kg including driver with a minimum driver weight, as per U15.2.4 of 43kg and minimum driver height wearing racing boots but no crash helmet is 135cm nominal.