

HJ1.0 Group Junior (Direct Drive)

HJ1.1 Class Honda Junior

Affiliation ABKC

HJ1.2 Introduction. Budget junior class. This class may be included in an ABKC Championship e.g. Super Two. The engine is homologated with the MSA. Full details from ABKC, c/o Stoneycroft, Godsons Lane, Napton, Southam CV47 8LX or www.abkc.org.uk

HJ1.2.1 The use of a rev-counter and data logging is permitted.

HJ1.3 Chassis. Wheelbase to be between 98 - 108cms. The rear axle is to be constructed from 30mm 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 +/- 10mm centres with the bottom loop centre 60mm +/- 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.

HJ1.3.1 Side Pods. The fitting of side pods is mandatory and they must comply with current MSA side pod 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.

HJ1.4 Engine.

Twin Honda engines of the GX160T1 QHQ4 or GX160UT1 QHQ4 designation are to be fitted. All engine types must comply with the Honda GX160 Technical Regulations Version 4 of January 2009 or as subsequently modified which are available on the ABKC website www.abkc.org.uk

HJ1.4.10 Combustion Volume.

The combustion volume will be increased by fitting three standard Honda GX160 cylinder head gaskets. These gaskets must be standard unmodified and each one will at all times have a minimum thickness at all points of 1mm.

HJ1.5 Transmission. A dry air cooled centrifugal clutch which cannot be adjusted in position, of Noram, Horstman, Maxtorque 4,000 or Premier manufacture is to be used to transmit drive with maximum engagement speed of no more than 2500 rpm engine speed. Drive is to be by 219 chain or by belt. Drive protection must be according to current MSA regulations. Chain protectors may be attached to the sprockets.

HJ1.6 Brakes. One mechanical/hydraulic disk brake to be fitted to the rear axle and the disc to be made of metal only.

HJ1.7 Tyres. Tyres are as follows:-

SLICKS: Dunlop SL1 Front 10 x 4.5 x 5, Rear 11 x 7.1 x 5.

WETS: Dunlop KT3 Front 10 x 3.6 x 5, Rear 11 x 6.0 x 5

HJ1.8 General

HJ1.8.1 Retail price. Not applicable

HJ1.8.2 Weight. Minimum weight of the kart inclusive of engine, driver and engine oils to be not less than 152kgs. Maximum kart weight without driver is 117kg

HJ1.8.3 Plates. Number plates are to be blue with white numbers, K.196 applies.

HJ1.8.4 Age. From 11th birthday, as per K.116

HJ1.8.5 Honda will not accept warranty claims on engines used in any practice or racing capacity.

Approved by MSA 6.2.09