



2013 AKA MANUAL

ADDENDUM No. 27

Issued: 20th August, 2013

At the NKC Conference held 16th to 18th August, 2013, the following was approved and is effective immediately.

1. CHAPTER 25, AUSTRALIAN KART FORMULA Additions to rule 25.26 Carburettor.

25.26 Carburettor:

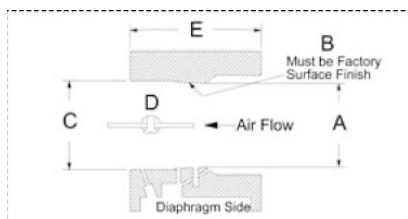
1. YAMAHA KT100J AND YAMAHA KT100S

Must be Walbro WB series conforming to dimensions as per diagram. (Note – WB 24 is not eligible)

- (a) It is permissible to machine the Walbro carburettor body to;
 - (i) conform to dimension E
 - (ii) conform to dimension C (provided the machined bore and face remain visually concentric to the cast area).
 - (iii) accept an O ring for the low speed jet and throttle shaft.
- b) A threaded butterfly screw must be retained, countersunk screws are not permitted. Butterfly and shaft must be as manufactured.
- c) It is permissible to repair the inlet seat and throttle shaft bore in the Walbro carburettor. Carburettor bore may not be sleeved.
- d) It is permissible to enlarge only existing fuel / air holes, but they may not be deleted or relocated. The holes must be the same shape as originals when viewed externally.
- e) All air must pass through the carburettor throat.
- f) Adjustment of carburettor jet needles must be done by manually turning the jet needle (or its extension) only.
- g) Carburettor throttle cannot be actuated by electro mechanical means.
- h) It is permissible to fit a mechanical stop to limit the range of carburettor jet needle movement, however no modifications to the carburettor are permitted to mount such a stop.

Measurement code:

- A As cast MAX Venturi diameter 24.13mm
- B As cast (area will extend from the front of the carburettor to the progression discharge jet which must have all or portion of this jet in the cast area.)
- C MAX downstream diameter 25.7mm,
- D Butterfly shaft must be located at the bore centre.
- E MIN carburettor body length of 37.5mm



~~No internal inspection required, ie covers will not be removed and only external measurements and visual inspection taken.~~

Where internal inspection is required, the carburettor will be impounded for further inspection by a State Technical Officer.

DIAGRAM IS FOR DIMENSIONAL REFERENCE ONLY

Pam Arnett
National Secretary
Australian Karting Association.