XT DISC BRAKE TROUBLE SHOOTER

Things to check first

- Do not make any adjustments when aircraft is first used from new until bed in procedure is complete and let stand to cool
- If the foot pedal is travelling to far forward pull piston up, push pedal down repeat several times, (this will normally only be a problem if piston is sticky and not returning far enough to self adjust after general disc pad wear.)
- Check for bent axle's as this will make the brakes inefficient.
- Check for sheared or worn disc pads

Note: Important - Use auto transmission fluid not auto brake fluid

Brake bleeding procedure: (see photo,s attached no 1 to 6)

Photo 1 - Shows master cylinder removed for air bleeding placed on stand outside of cockpit, (easily made from timber or square tubular steel about 750mm high) note:



Photo 1

Photo 2 - Special reservoir volume increaser, (= LESS FREQUENT TOP UPS) can be made using small section of fuel line ground with a slight taper one end to easily

screw into reservoir and clear hose over the top.



Photo 2

Photo 3a - Allow fluid to rise before replacing piston(start piston seal using a stirring motion.



Photo 3a

Photo 3b - Shows piston assembly.



Photo 3b

Photo 3c - Dissasemleded assembly, (seal and backing washer may need to be removed from master cylinder using a wire hook).



Photo 3c

Photo 4a - Open RH bleed screw and push piston down, pull back up watching for fluid level to drop, repeat until no air is coming out of bleed nipple. Repeat on LH side

repeat RH again.



Photo 4a

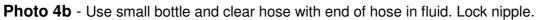




Photo 4b

Photo 5 - Replace reservoir plug, (fluid should be about 10mm down from top). Make sure fine gauze mesh is in breather plug, replace *green outer dust plugs in both plugs*, replace master cylinder, pull up on piston with adjuster screwed in as shown in photo 4a. Press pedal several times pulling up on piston each stroke.



Photo 5

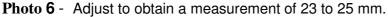




Photo 6

Note: You may need to screw adjuster, push on pedal and pull up on piston and readjust 23mm again from time to time.