

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: cap placed over adjuster bolt for protection of hand during bleeding.



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 - Dissassembled 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 - Use small bottle and clear hose with end of hose in fluid. Lock nipple.



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 - Adjust to obtain a measurement of 23 to 25 mm.



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.