

Setting up and adjusting the Hi-Spec SVA handbrake caliper.

Setting up your Hi-Spec SVA handbrake is very simple, but it is very important that it is done in the correct order to get the best results.

- 1) To avoid making mistakes during this process it is best to completely remove the handbrake cable and the M5 adjuster bolt.
- 2) The disc must be fixed securely in place. Pack wheel studs with washers if necessary. The disc should rotate freely and must be running true but must not be able to rattle around.
- 3) Make sure the caliper is aligned on the disc as well as possible, shim if necessary. There should be 3mm clearance each side between caliper body and disc face.
- 4) While turning the disc, gently wind in "Front Adjuster Screw 1" and "Rear Adjuster Screw 1", one at a time, until you can feel each pad touch the disc. Now back off a quarter of a turn. This is the most important step to set the correct pad clearance.
- 5) Next replace the "M5 Adjuster Bolt 2" . This is used to adjust the position of the lever that the handbrake cable connects to. The lever must be set to the same position as shown in the diagram. Check that the disc still turns freely and the pads are not dragging or binding against the disc. There should now be no free play in the linkage. Tighten the lock nut.
- 6) Attach the handbrake cable, use the cable adjustment to remove any slack in the cable but make sure it is not too tight. The disc must still turn freely.
- 7) Double check everything is tight and test the handbrake. There should not be excessive travel in the handbrake lever to lock the wheels. When the handbrake lever is released the wheels should return to being completely free again.

Handbrake cable routing is very important. The cable should be as short and as direct as possible. Tight corners are bad news.

If possible the cable should be aligned so water will always run out. Trapped water will cause the cable to rust, cause drag and wear of the pads.

If the cable is not returning fully and smoothly a stronger return spring should be installed, or the cable replaced.

If you feel the handbrake has been working but is starting to lose its effectiveness, it is most likely caused by some wear of the pads and time to re-check the adjustment. Steps 1 to 5 should be repeated in exactly the same way as the first set up.

New pads are always available from Hi-Spec for a very reasonable price.

Due to the nature of the mechanism, power and efficiency are lost quickly if there is excessive wear and poor alignment, so regular checking and re-adjusting is very good practice.

For any more help please call us on 01322 286 850.

