WARNING PLEASE READ FIRST

. Don’t overestimate your technical capacities. This brake system must be fitted by a competent cycle mechanic using the correct tools. Incorrect installation could result in brake failure that could cause serious or fatal injuries.
. Please refer to the website videos and technical documents for more information including servicing and maintenance - www.hopetech.com / Tech support section.
. The video logo indicates you can find some useful tips on the website.
. This brake system has been designed to be used only on two-wheel vehicles with human propulsion. Any other application is not advisable and could result in the failure of this product.
. Your brake system will generate heat during braking. Never touch either the disc or caliper after long braking period as this could cause severe burns.
. Before each ride always check the brake for proper function, the brake pad for wear and that there is no system damage resulting in fluid leaks.
. It’s common sense to also check that your wheel’s quick release systems are securely installed and tightened.
. Your braking performance will improve in almost all conditions. Please take time to become familiar with your new brake. Always ride within your own ability.
. Brake pad contaminated with brake fluid, chain lubricant or unsuitable bike cleaner will need replacing because the overall brake performance will be greatly diminished.
. If you have any doubts or questions please contact your dealer or the appropriate distributor for your country.
. If you decide to ignore these important safety warnings and instructions, you are doing so at your own risk and Hope Technology cannot be held responsible for any consequences resulting of the misuse of the brake system.

TOOLS REQUIRED

Once again, don’t overestimate your technical skills. If you are not familiar with this sort of installation we advise that this brake system should be fitted by a competent cycle mechanic.

+ Torx T25 driver
+ Torx T15 driver
+ 5mm Allen key
+ 4mm Allen key
+ 2mm Allen key

+ Flat blade screw driver
+ Sharp cable cutter
+ 8mm spanner

INTRODUCTION

Congratulations, you have just acquired the HOPE TECHNOLOGY V-Twin remote master cylinder brake system proudly made in our Barnoldswick factory in Great Britain.

This brake specially developed for cyclo cross bikes will allow using your existing drop bar brake/shifter lever in order to operate the hydraulic disc brake system.

The V-Twin master cylinder will nicely sit under the bike stem, it features 2 separate hydraulic system operating each caliper. Thanks to the integrated brake fluid reservoir, bleeding the brake would be as easy as on any other Hope Technology brake.

The master cylinder is associated with the proven X2 calipers. Their one piece design allow them to associated low weight, stiffness and high braking performance.

BOX CONTENTS

1. Brake system, fully bled
2. M6 x 18mm caliper bolts (4x) and M6 washers
3. Support plate
4. Brass cable lock (2x) with M4 grub screws (4x)
5. 5mm headset spacers (2x)
6. M5 nut (used only for installation)
3. ATTACHING THE CALIPER TO THE FORK OR FRAME

Route the hose and caliper down to the fork brake mount or along the frame to the rear brake mount.

⚠️ Avoid situations that could damage the brake hose and/or your bike frame and components

Note: In the first instance it is recommended that you install your brake as supplied without disconnecting and routing the hose through frame guide (if present) or attempting to shorten the hose.

At a later date you can shorten the brake hose if required. For this operation, follow the intructions in the how to videos of our website.

3.1 MOUNTING THE CALIPER ON POSTMOUNT TYPE MOUNTS

a) Before attaching the caliper ensure that the brake pads are fully retracted in the caliper. If not, gently push the piston back using a plastic tyer lever or something similar. Beware not to damage the pads. Take them off if necessary. Push on the left hand side pad backplate to push the right hand side piston and vice versa.

b) Mount the wheel fitted with the rotor, ensuring correct fitment in dropouts.

c) Position the caliper on the mount and slightly tighten the two M6 bolts.

d) At both front and rear of the caliper, adjust its position so it is central over the rotor then tighten the two M6 bolts using a 5mm Allen key. Recommended tightening torque 8-9 N.m.

3.2 MOUNTING THE CALIPER ON IS TYPE MOUNTS

On IS mount you will have to use an adaptor bracket to be able to fit the brake caliper.

a) According to the rotor size and type of mounts, attach the suitable adaptor bracket onto the brake tabs and tighten the two M6 bolts using a 5mm Allen key. Recommended tightening torque 8-9 N.m.

b) Follow the same instructions as fitting the brake onto a postmount (see previous section).

Be careful not to get your fingers caught in the disc when following these steps.

We do not recommend pumping the lever to push pads out to align caliper at this point. See section 4 regarding the alignment of pistons.

4. CENTRALISE THE PADS OVER THE DISC

This step is very important and mustn't be ignored.

Gently pump the lever in order to bring the pads closer to the disc. One pad might enter in contact with the disc before the other. If this happens, hold the disc against the pad that is already in contact with the disc to allow the other one to move.

For an optimised lever feel, both pads must enter in contact with the disc at the same time and allow the same clearance (see arrows) when retracted. The disc should not be flexing at any time.

PERSONAL SETTINGS

Only the brake cable tension is adjustable. The rear end cover must be removed to proceed. See then step 14 of the master cylinder installation paragraph.

BREAK IN PERIOD AND MAINTENANCE

Before riding and before every ride, check the correct action of the brake and that braking effect is applied as the lever is pulled.

To achieve the maximum braking performance, the new pads will need bedding in. Please note that sintered pads take longer to bed in than organic pads.

To bed in the pads, ride a short distance whilst alternatively gently applying the brake on and off without attempting to stop. This procedure will achieve good braking performance but will reach its full potential after a few rides.

About maintenance tips refers to our "how to" videos on the website.

For brake bleeds use only dot 5.1 or dot 4 brake fluid from a clean container.

WARRANTY

All Hope Technology disc brake systems are covered for one year from original date of purchase against manufacturer defects in material and workmanship. Proof of purchase is required. Products must be returned to the original place of purchase or to Hope Technology to process any warranty claim.

This warranty does not cover any damage caused through mis-use or failing to comply by the recommendations given in this manual.

This warranty does not affect your statutory rights.