

SEAT SLEEVE REPLACEMENT FOR T LINE

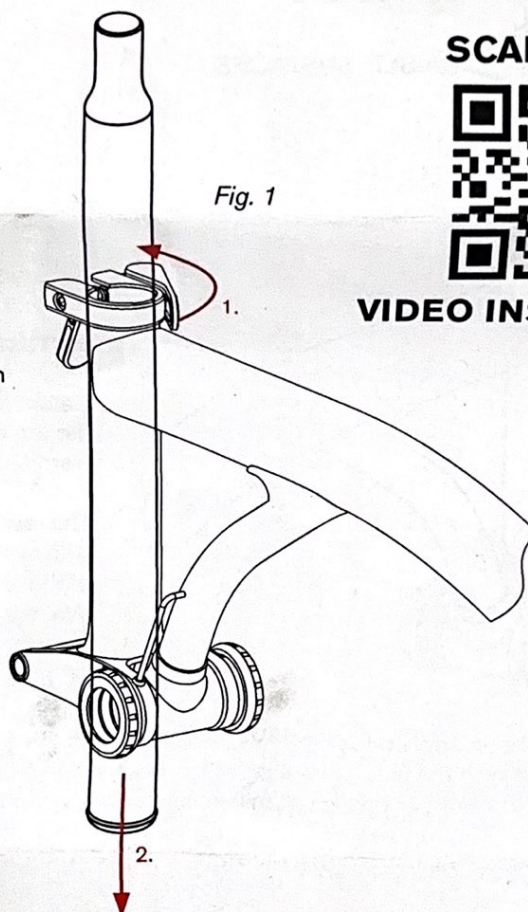
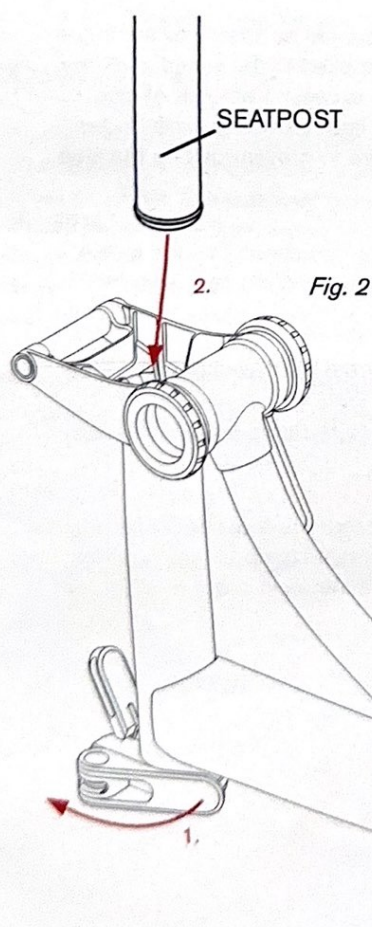
IMPORTANT INFORMATION

- When reaming, rotate in a clockwise direction only, even when removing the reamer
- It is essential that sufficient pressure is applied to the seat clamp when leaving the glue to set
- Ensure the area where the sleeve is glued is clean; free from glue and debris before fitting the new sleeve
- If you are unsure of the correct fitting process please consult your Brompton dealer or Brompton Technical Support tech@brompton.co.uk

REMOVING THE SEATPOST

When a sleeve is worn or damaged it will need replacing. If the seatpost is slipping, or the seat clamp has to be over tightened to clamp the post, it could be that the sleeve is worn excessively and needs replacing.

In order to remove the seatpost from the bike; unfold the bike. Remove the saddle and pentacclip, then undo the seat clamp on the main frame allowing the seat pillar to pass through the bottom of the main frame (fig. 1).



SCAN HERE



VIDEO INSTRUCTION

REMOVING THE EXISTING SLEEVE

In order to remove the existing sleeve from the bike, you will need to insert the flared end (bottom) of the seatpost (Or a "head cup steering race remover tool") into the underside of the seat tube until it contacts the sleeve (fig. 2), gently knock the top of the seatpost with a mallet or plastic hammer until the sleeve detaches from the inside of the seat tube.

Clean the inside of the tube and remove any remaining traces of the sleeve or adhesive with a wire brush or abrasive paper. At this stage check for any cracks or damage inside the seat tube at the junction with the main frame tube.

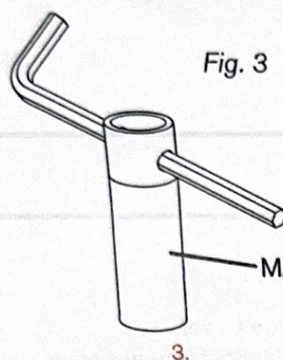


Fig. 3

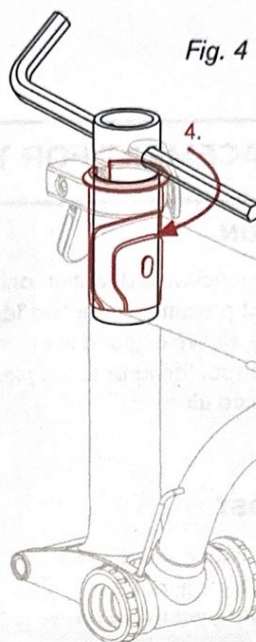
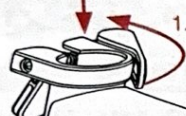
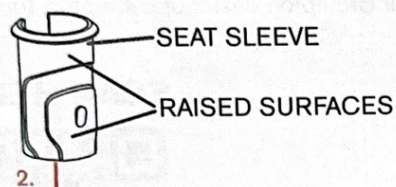


Fig. 4

FITTING THE NEW SLEEVE

Before fitting the new sleeve it's important to ensure the top of the seat tube has not been damaged or distorted by the over tightening of the clamp.

The replacement sleeve should be fitted into the frame with cyanoacrylate glue applied to the raised surfaces of the sleeve. Do not use excessive amount of glue. We recommend wearing latex gloves or similar when carrying out this procedure to prevent getting the glue on your skin.

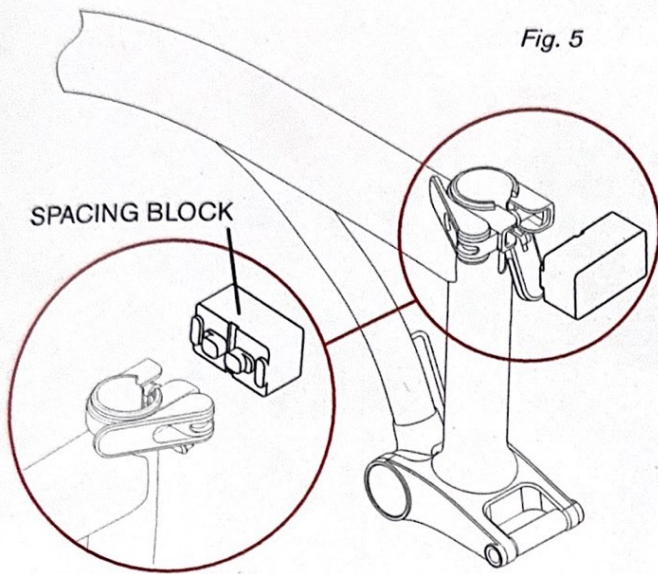
Once the glue has been applied to the sleeve, carefully push the sleeve into the frame (ensuring that the slot in the sleeve is aligned with the slot in the tube at the rear), holding the sleeve at the recessed channel with two fingers and closing the sleeve slightly will make this easier.

Once the sleeve is installed, use a cloth or rag to wipe away any excess adhesive from the top of the seat tube.

To ensure that the sleeve is correctly positioned, you should hear a loud click as the upstanding key aligns with the corresponding hole in the seat tube.

Push the mandrel into the frame (fig. 3) and close the seat clamp lever to apply pressure to the sleeve (fig. 4), this will ensure the glue is spread evenly between the sleeve and seat tube. Ensure the seat clamp closes firmly as sufficient pressure is necessary. The mandrel should be left in the frame for 20-30 minutes in order to allow the glue to set.

Fig. 5



REAMING THE SLEEVE

Once the sleeve has been glued in place, release the seat clamp and remove the mandrel from the frame.

Fit the spacing block as shown to set the space in the seat clamp band and tighten enough to hold the block in place before beginning the reaming process.

Flip the bike upside down.

In order to make this stage easier it is recommended that you remove the driveside crankarm, however this is not essential. The supplied reaming alignment part should be inserted from the bottom bracket and sit in the seat tube. This should act as a guide to ensure the reamer is parallel with the seat tube when reaming the seat sleeve. The reaming tool can now be inserted and lowered into the seat tube.

Important: CLOCKWISE ONLY

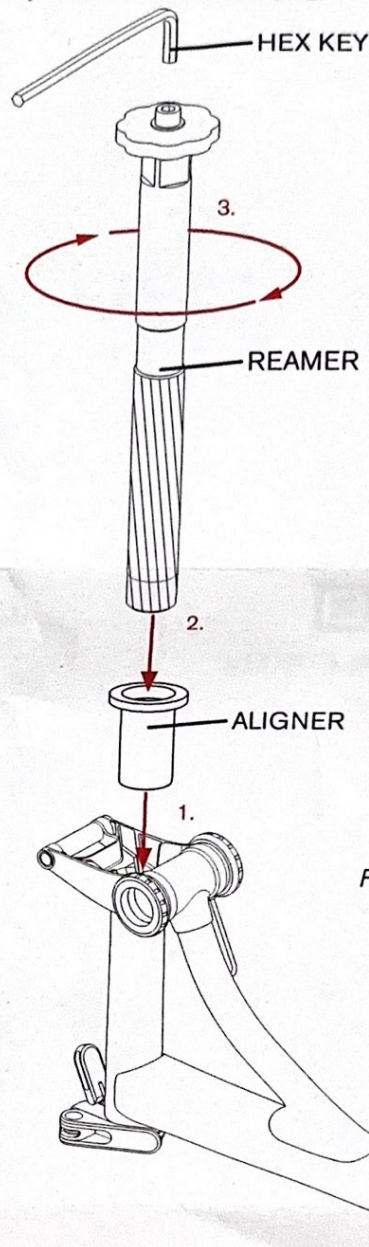


Fig. 6

Using a 8mm hex key, rotate the reamer clockwise while applying slight downward pressure until the cutting surface has passed through the sleeve completely and the handle of the reamer bottoms out on the end of the seat tube.

Continue to turn the reamer clockwise while slowly removing it from the seat tube; do not attempt to remove the reamer without continuing to turn the reamer in a clockwise direction and at no time should the reamer be turned in an anti-clockwise direction. Once the reamer has been removed clean away any plastic shavings remaining in the frame.

Refit the seatpost and check that it moves through the sleeve smoothly. The seat clamp will need adjusting at this stage to ensure it clamps the post securely when closed without using excessive force to close the lever.

