BROMPTON HANDLEBAR PIN

IMPORTANT INFORMATION

A new design of handlebar support was introduced for the Brompton Electric in June 2018, this design will eventually be used on all production bikes.

The previous design (fig. 1) uses an expander cone and corresponding slot in the handlebar support pin to lock the handlebar support into the fork.

The new design uses an angled wedge design (fig. 2), the fitting/removal process for this design differs slightly and the tightening torque is also different.

It is vital that you follow the correct fitting procedure and tighten the fixing bolt correctly, otherwise the handlebar support may not be secured properly, or you may damage the handlebar or fork.

During assembly at Brompton, the bolt head of a wedge style handlebar pin assembly is marked with orange paint to differentiate it from the expander cone assembly.

If you are unsure which design of handlebar pin is used, it is best to remove the support from the bike to visually check, before carrying out any further adjustments.

Fig. 1

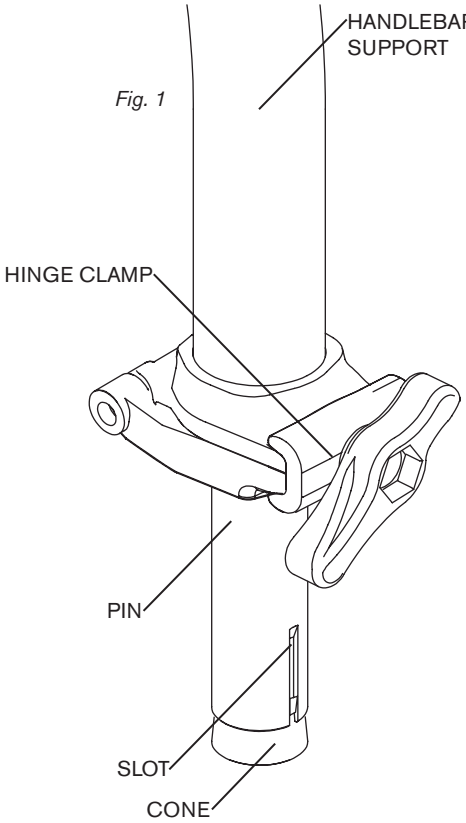


Fig. 2

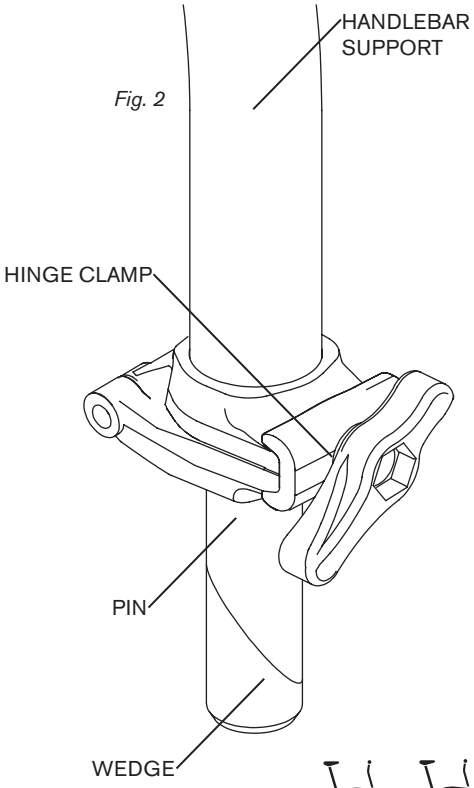


Fig. 3

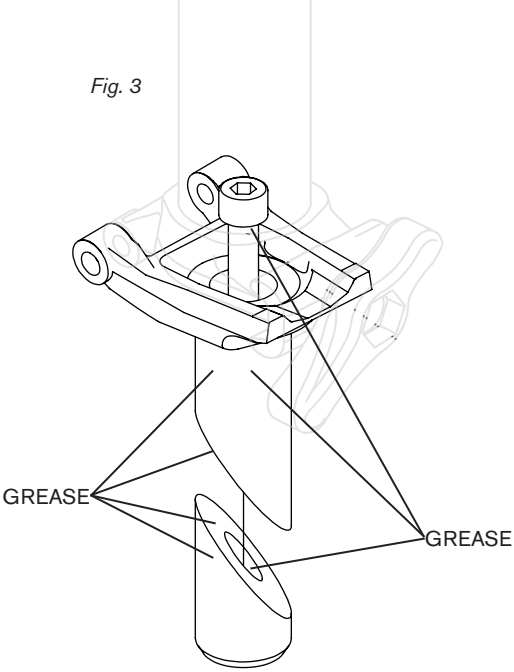
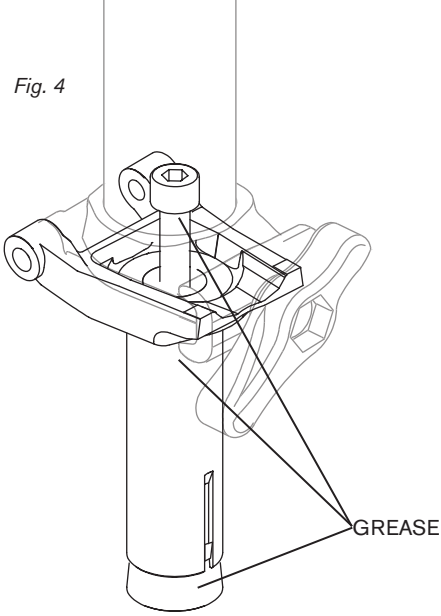


Fig. 4



REMOVAL

To separate the handlebar support from the fork steerer, first undo the handlebar support hinge and fold. This will reveal the handlebar pin bolt head, located into he centre of the lower part of the hinge. Undo the bolt by 3-4 turns then try to separate the two parts. On handlebars fitted with the expander cone style pin, you will need to strike the head of the bolt firmly after undoing the bolt 3-4 turns. This will release the expander cone and allow the handlebar support to be removed.

On the wedge style pin, it should not be necessary to strike the bolt to release the wedge, before separating the parts.

FITTING

Before fitting the handlebar support pin into the fork, lightly grease all mating surfaces including the head and threads of the bolt, the outer surfaces of the pin and wedge, as well as the interface between the pin and the wedge (fig. 3). For the expander cone style pin (fig. 4) make sure you grease the contact surfaces between the pin and the cone, the threads of the cone/bolt, the head of the bolt and also external surface of the pin.

You should also apply a small amount of grease inside the fork steerer.

Fit the pin into the fork and gently tighten the bolt to stop the fork and handlebar moving freely in relation to each other.

Align the handlebar to the front wheel and tighten the handlebar pin bolt to **30Nm for the wedge style** pin (fig. 2) and **16Nm for the expander cone style** pin (fig. 1).

It is vital that you apply the correct torque. If the bolt is not tightened enough, the handlebars could twist in use, if overtightened you could damage the handlebar support or fork steerer.

When refitting the handlebar support, ensure the cables are properly routed around the non-drive side of the handlebar support. Also check the position of the handlebar catch when folding the bike and adjust if necessary.