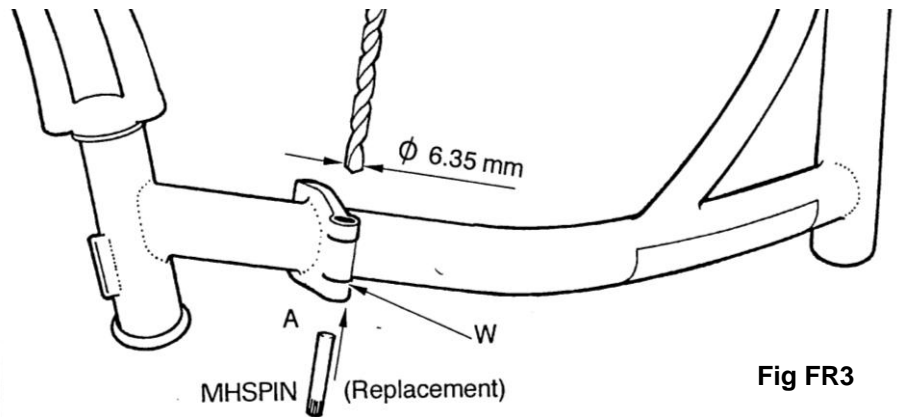
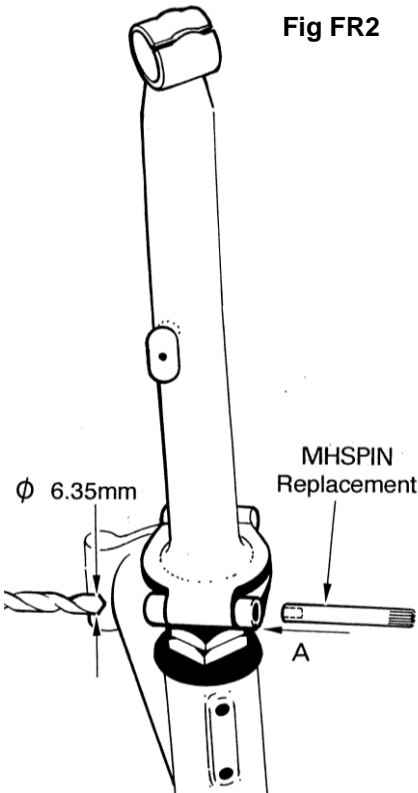
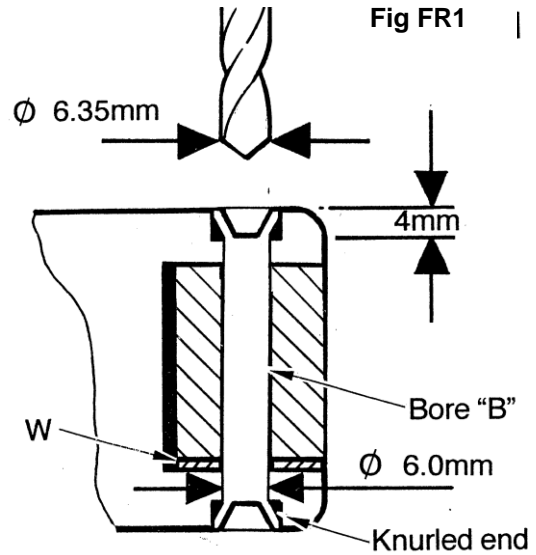


Hinge spindle, replacement:

Drill out the end of the MHSPIN: use a 1/4" (6.35mm) drill bit. **You must drill the correct end of the MHSPIN**, which on the handlebar stem is from behind/right hand side (fig FR2), and on the main frame from below (fig FR3). It is vital that you do not drill too deep: the purpose of drilling is to remove the flared end of the hinge pin only.

If you drill too deep, you will start removing material from the diam 6.00mm bore in the hinge forging itself (fig FR1), and the result, on re-assembly will be a loose hinge. So drill only enough to remove the flared end of the spindle, and **NOT deeper than 4mm maximum** into the hinge body.



Drive out the MHSPIN (from the same end you have drilled) using the hinge spindle tool in the correct orientation (fig FR4): while doing this, ensure that the tool is properly aligned (fig FR5) so that when the pin is pushed out it can pass through the hole in the tool. When doing this the hinge clamp lever should be backed off slightly, not tight.

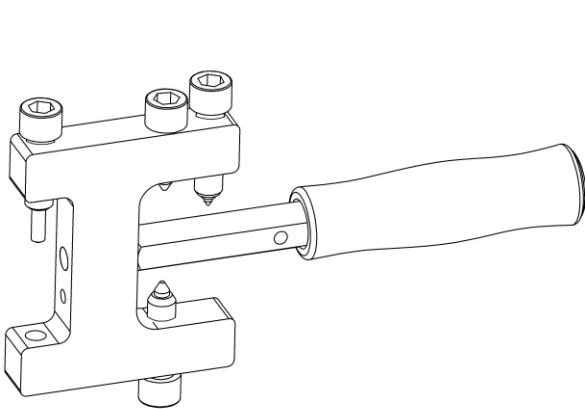


Fig FR4

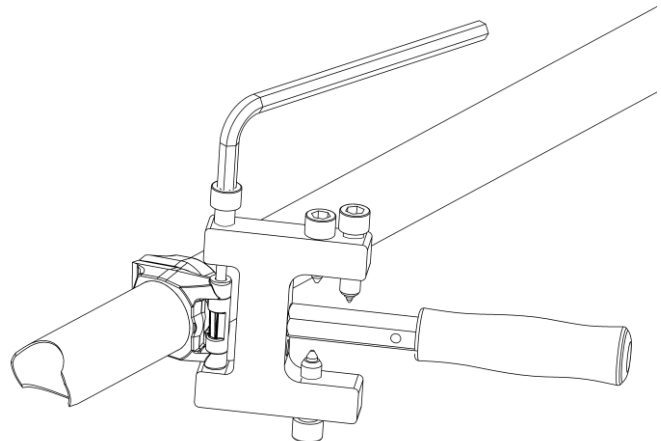
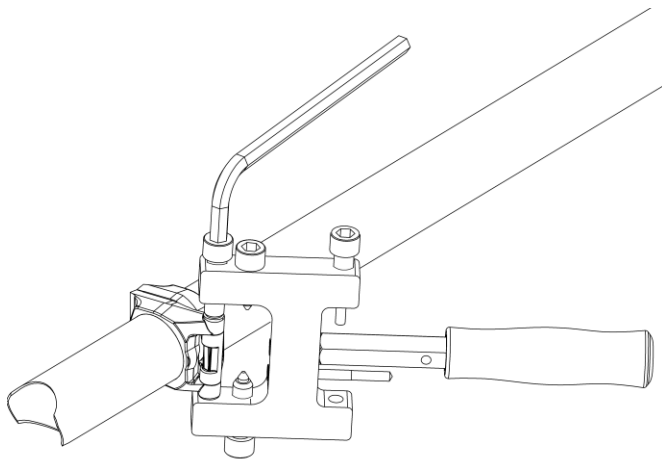


Fig FR5

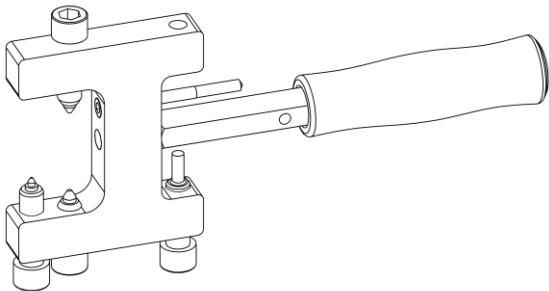


Once the extraction screw is fully tightened (fig FR6) and the pin is pushed as far as possible you will then need to remove the tool from the hinge (by unscrewing the extraction screw) and use the supplied drift to push the pin out the remainder of the way.

Fig FR6

Assembly of hinge spindle (use correct length spindle, 1 - 2mm shorter than hinge body):-

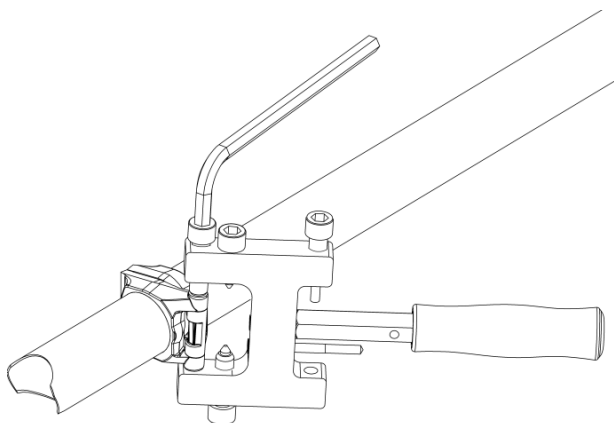
The MHSPIN must be inserted (knurled end trailing) from the correct side: on the handlebar stem from in front/left hand side (fig FR2), and on the main frame from above (fig FR3).



Clean and grease the bore B well, and apply grease to the end A of the MHSPIN.

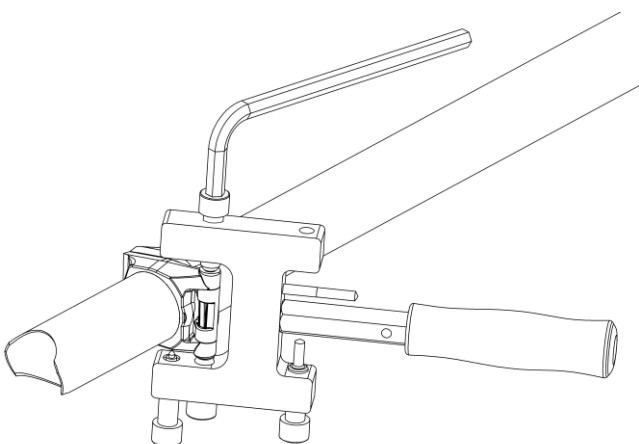
The handle of the tool should be removed and inserted from the opposite side at this point (fig FR7) to allow the insertion and splaying screws to be used.

Fig FR7



Press the spindle home using the insertion screw, (fig FR8) so that its ends are spaced an equal distance in from each side of the hinge body. Check that the two parts pivot freely before setting the spindle in place.

Fig FR8



Once the pin is inserted correctly position the splaying screws over the pin (fig FR9) and tighten in order to splay the ends of the pin. Once the pin has been splayed remove the tool, then open and close the hinge several times to check that the pin is correctly installed and that the two halves of the hinge can move freely.

Fig FR9