

**Instructions Drive Shaft
Repair / Change
*Inner Cable & Quickflex Head***



Horse Dental Equipment

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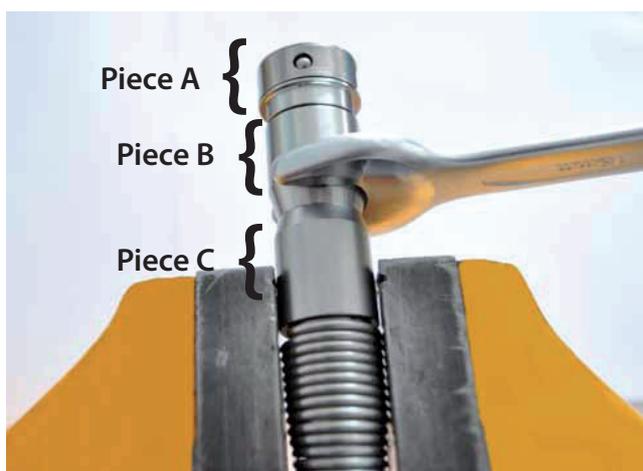
Change Quickflex Head & Inner Cable

Tools to use :

- 1 screw M4 (tool n°1)
- 1 vise plier (tool n°2)
- 1 tube spanner n°8 (tool n°3)
- 1 tube spanner n°7 (tool n°3 bis)
- 2 flat spanners n°18 (tool n°4)
- 1 bearing

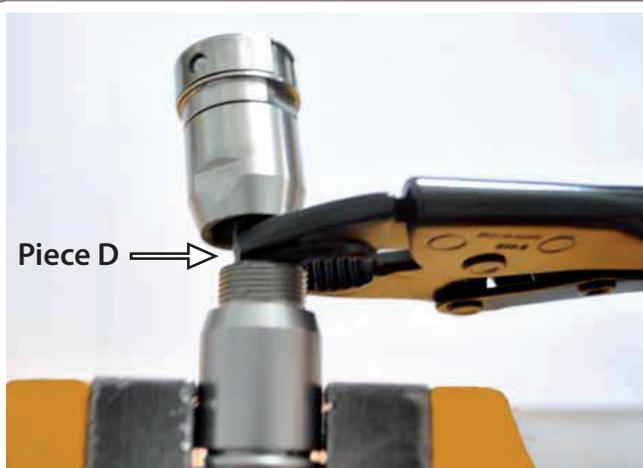


Step n°1 :



Block the piece C in the vise.
Unscrew the piece B with tool n°4

Step n°2 :



Pull the Quickflex head up in order to see the cable (piece D) on about 1cm and block it with tool n°2.

Step n°3 :



Unscrew the piece B with tool n°3.

Step n°4 :



Remove piece D by the tips of the drive shaft connected to the engine

Before mounting the new piece D, put a *little bit* of grease on it with a brush.

Step n°5 :



Screw tool n°1 on the drive shaft





Slightly pull piece D in order to block it with tool n°2.

Then screw the Quickflex Head on piece D.

Step n°6



Screw the new piece B on the inner cable with tool n°3 (*slightly* tighten).

Step n°7 :



Remove tool n°3 & screw piece B on piece C.

Repair of the Quickflex Head

Step n°1 :



Unscrew the nut carry-bearing from the ball-holder ring with tool n°4.

Step n°2 :



Remove the 2 holes driving screw.

Step n°3 :

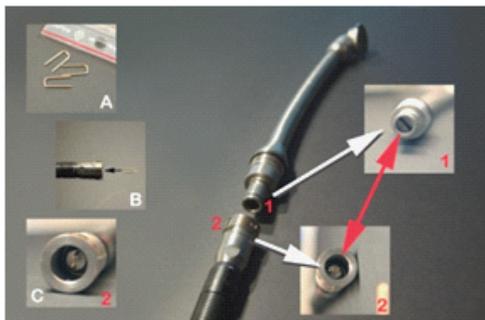


Unscrew the nut from the screw to change the bearing and screw back everything with tools n°3 & 3 bis.

Please visit our website for further details
including a video clip showing
the changing procedure:
www.horse-dental-equipment.com

The function of the shear pins (A) is to prevent damage to the inner cable in drive shaft. The shear pins are weaker than the cable and designed to fail first in the case of high torque conditions. High torque conditions occur when the grinding burr or disk abruptly stops, usually due to biting on the burr. Make sure a horse does not bite on the burr or disk, as it may not only damage the instrument but also can cause serious injuries to the animal such as fractured teeth.

Make sure the shear pin (A) in the drive shaft (2) fits into the slot of the hand piece (1) when connecting the hand pieces with the drive shaft. The shear pins are inserted in any case, even when using the optional clutch. However they only rarely break when the instrument is used with a clutch.



If sufficiently deformed, the shear pins need to be replaced:

Remove the old pin, and use a spare pin from supplied bag and insert into drive shaft using a plier or a small forceps. Call your local retailer if you need additional pins. Two types of shear pins are available, softer brass pins made for drills with axes (Mandibulary, Maxillary, etc.) and more durable stainless steel pins made for Flexxidisc and Polyfloat.

Sometimes the opening of the shear pin can be a little bit wider or smaller than the distance between the two holes. Don't hesitate to slightly pinch or spread the legs of the pin to make them fit into the holes. Once inserted, they are kept in place more securely.

We also propose a special shear pin replacement tool, the Quick Shear Pin that makes the replacement procedure much easier. It also serves to stock your spare shear pins. Call your local retailer for details.



Shear pin replacement using pliers



Quick Shear Pin

Horse Dental Equipment

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