

**Drive Block CT7 Piston Replacement**

**Instruction No.:** SP85\_CI01

**Product:** SP85

**Operation:** Replace the CT7 piston valve within drive block P28571

**Health & Safety Considerations:**



Standard Practices Only

**Tools Required:** 5mm & 10mm Allen Key, Nylon Mallet, ½” Ratchet, ½” Socket 10mm Hex, ½” Torque Wrench (capable of 65Nm),

**Consumables Required:** Spill Pads

**Parts Required:** 1x P32504 - CT7 Single Piece Piston Valve

**Notes/Other References:**

[Disclaimer](#)

All update activities should be carried out by a competent MEWP service technician adhering to standard health and safety practices.

Whilst every effort has been made to include all information and details required to facilitate the above mentioned updates should you have any queries contact the Niftylift Service department via [service@niftylift.com](mailto:service@niftylift.com).

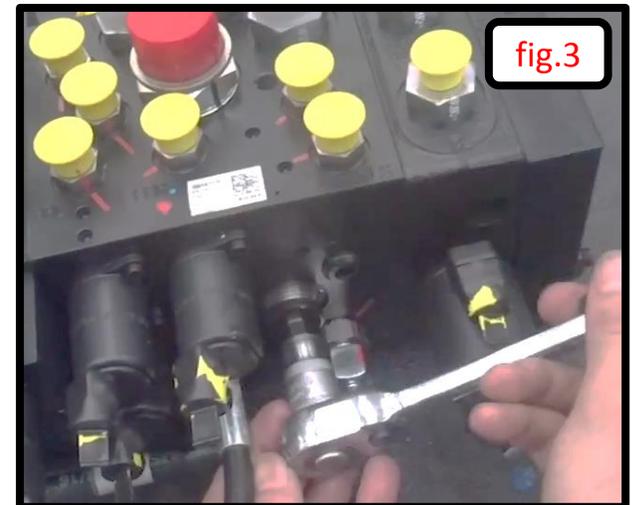
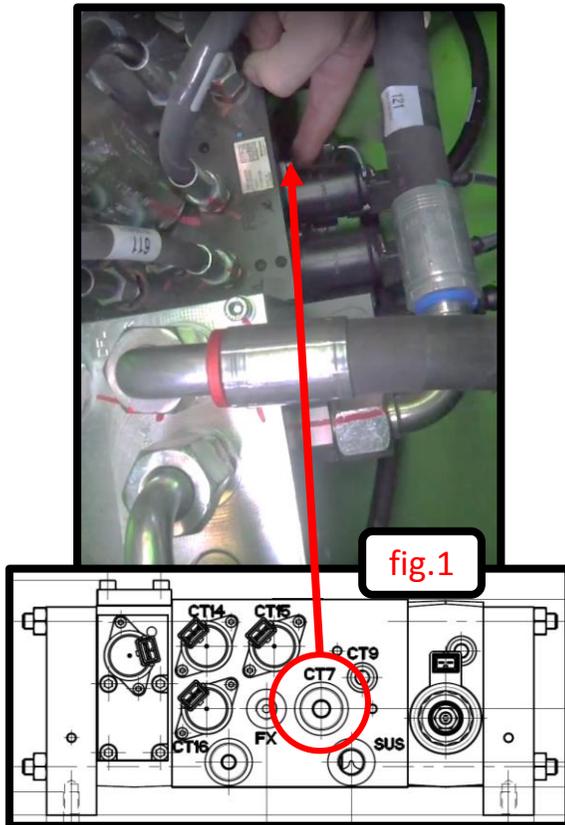
## 1. Remove the rear top chassis cover.

Using the 5mm allen key unscrew the 4x M8 button cap bolts (fig.1) and remove the top rear chassis cover to gain access to the main drive block (P28571) (fig.2).



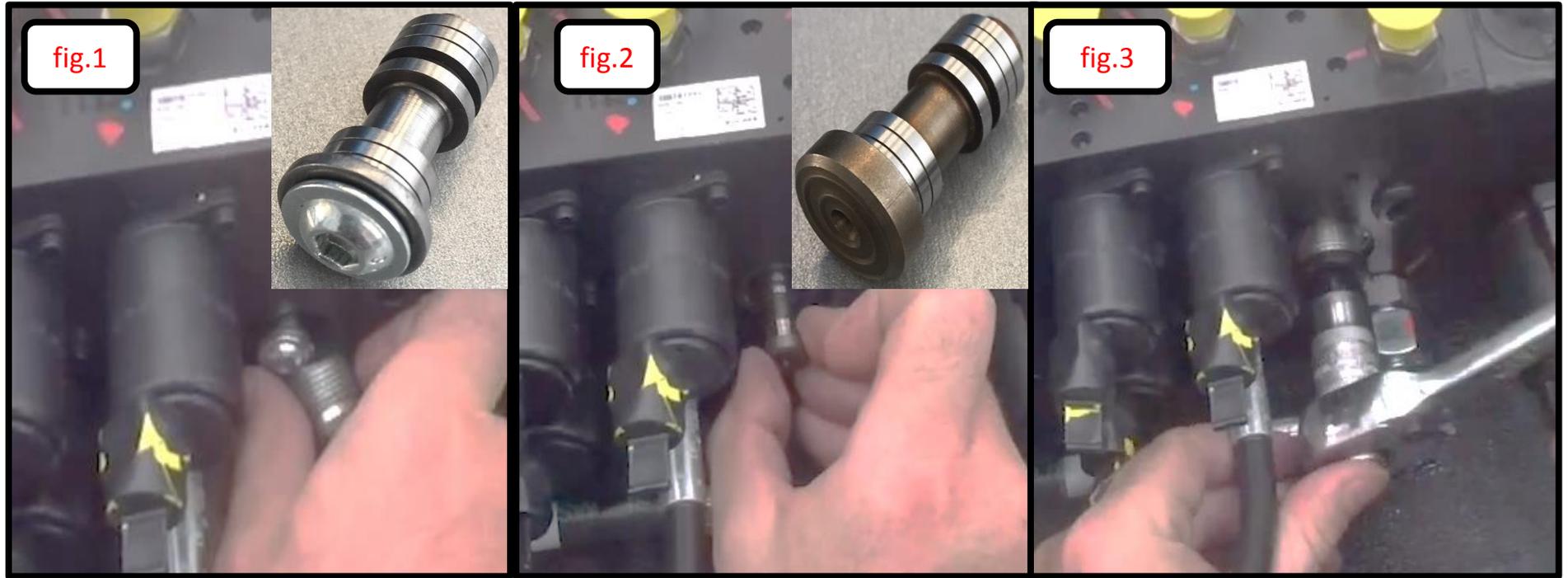
## 2. Remove the CT7 port plug.

Locate port CT7 on the right hand side of the drive block (fig.1). Using a 10mm Allen key and nylon hammer break the initial tension in the plug (fig.2), then using a ½" ratchet and ½" 10mm hex socket remove the plug (fig.3), exposing the 3-piece piston valve. For the purposes of this instruction all future photos are of a block external from the chassis. Please be advised, hydraulic oil will be present when removing the plug.



3. Replace the 3-piece piston valve.

Remove the 3-piece piston valve from port CT7 (fig.1) ensuring the spring behind it remains in place and replace it with the single piece piston valve (P32504) (fig.2). Lock the piston back in place with the CT7 plug (fig.3).



## 4. Torque the CT7 plug.

Using a ½" SQ DR torque wrench & ½" 10mm hex socket, torque the CT7 plug to 65Nm (fig.1).

