Throttle Solenoid Spring Replacement	
Instruction No.: SP64_CI02	**Product:** SP64 MK2
Operation: Replace the throttle solenoid spring	
Health & Safety Considerations:	 Standard Practices Only
Tools Required: 10mm Combination Spanner (x2), ½" Strap Wrench, ½" Ratchet	
Consumables Required: None	
Parts Required: 1x P32304 – Helix Spring L-Handed	
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.

1. Remove the throttle linkage

Using one of the 10mm combination spanners hold the throttle linkage (fig.1 & fig.2) and with the second 10mm combination spanner remove the M6 Nyloc Nut holding the linkage in place within the throttle lever (fig.2).

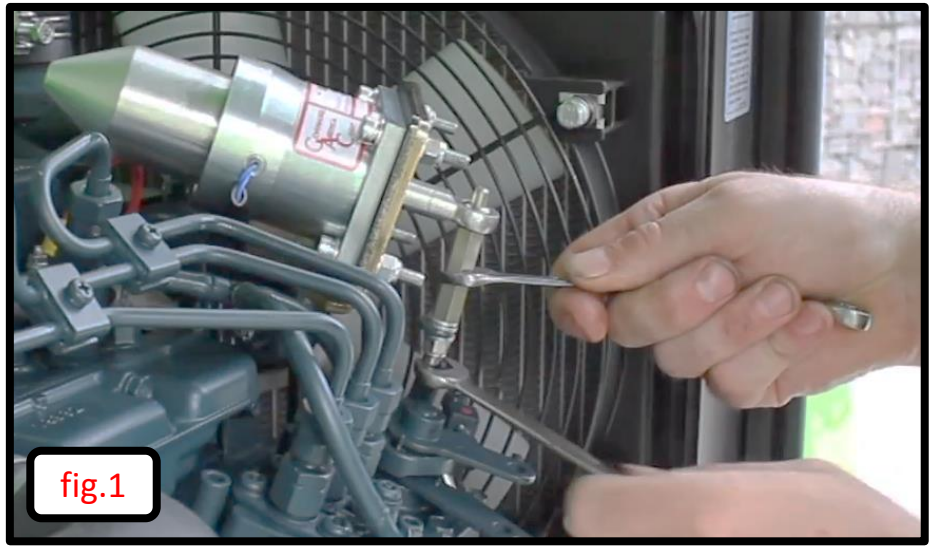


fig.1


fig.2


fig.3

2. Remove the rose joint on the end of the throttle solenoid armature

Use the throttle linkage to extend the armature out of the throttle solenoid to gain access to the lock nut (fig.1). Slacken off the lock nut using a 10mm combination spanner (fig.2) and then remove the rose joint, ensure the lock nut is still on the armature (fig.3).

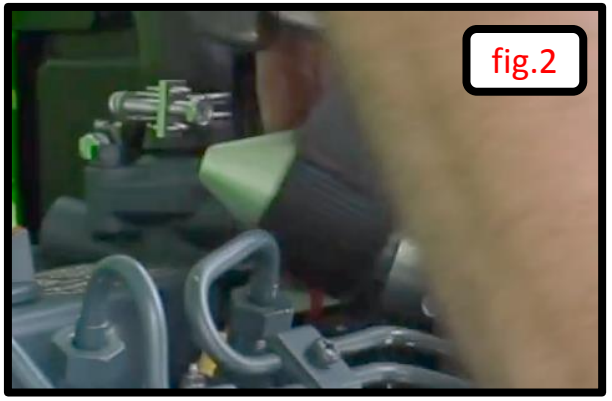

fig.1


fig.2


fig.3

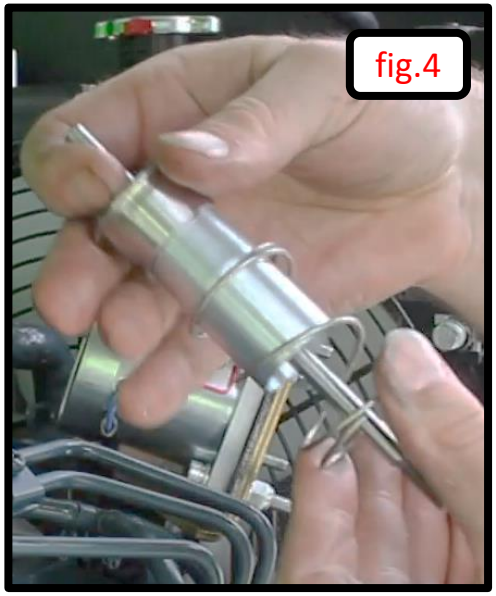
3. Remove the solenoid cap

Using a ½” strap wrench (fig.1 & fig.2) and ½” ratchet unscrew the solenoid cap to gain access to the internal components (fig.3).



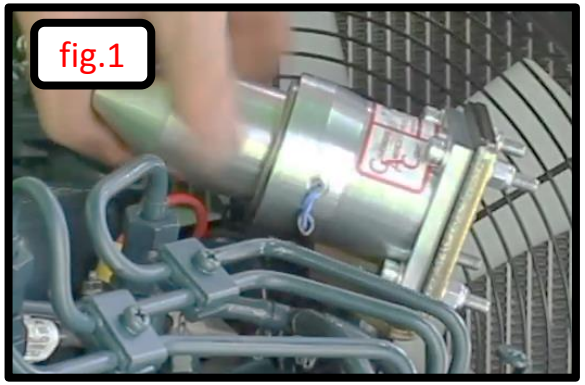
4. Replace the old spring with the new spring

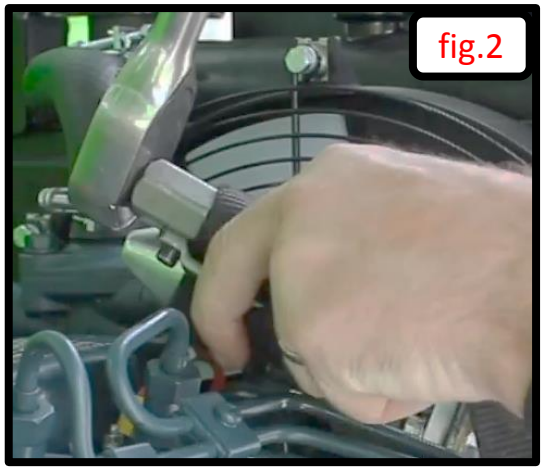
Remove the armature lock nut (fig.1), lift out the solenoid rod and spring housing assembly (fig.2), and remove the original spring (fig.3).
Place the new spring (P32304) in its place (fig.4) and insert the assembly back into the solenoid body (fig.5), and thread the armature lock nut back on.



5. Reassembly the solenoid cap and rose joint

Screw the solenoid cap back on the main body using the ½" strap wrench & ratchet (fig.1 & fig.2).
Screw the rose joint back onto the armature (fig.3).





6. Reassembly the throttle linkage

Place the top pin of the throttle linkage through the rose joint (fig.1), and the bottom end centrally within the throttle lever (fig.2) ensuring two M6 washers are above the lever (fig.3).
Again using one of the 10mm combination spanners hold the throttle linkage and with the second 10mm combination spanner tighten the M6 Nyloc Nut back onto the throttle lever (fig.4).


fig.1


fig.2


fig.3

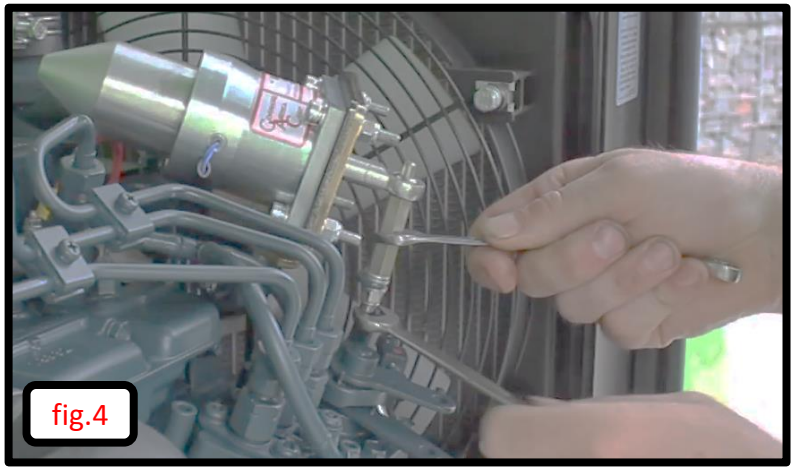


fig.4