

Pop Up Push 8 Pro - Negative Earth Modification

NEGATIVE EARTH MODIFICATION - Applies to Pop-Up PUSH 8 Pro machines from Serial No. PUSH8-01-000001 - PUSH8-01-000202

This kit has been developed to bring machines with serial numbers listed above up to current specification, a kit has been developed to convert the tilt sensor over from a switched earth to a permanent earth.

This simple modification can be carried out quickly and once fitted will prevent possible malfunction of the tilt sensor.

The fitting of this kit doesn't entail any modification to the machine and can be completed in approximately 15 - 20 minutes.

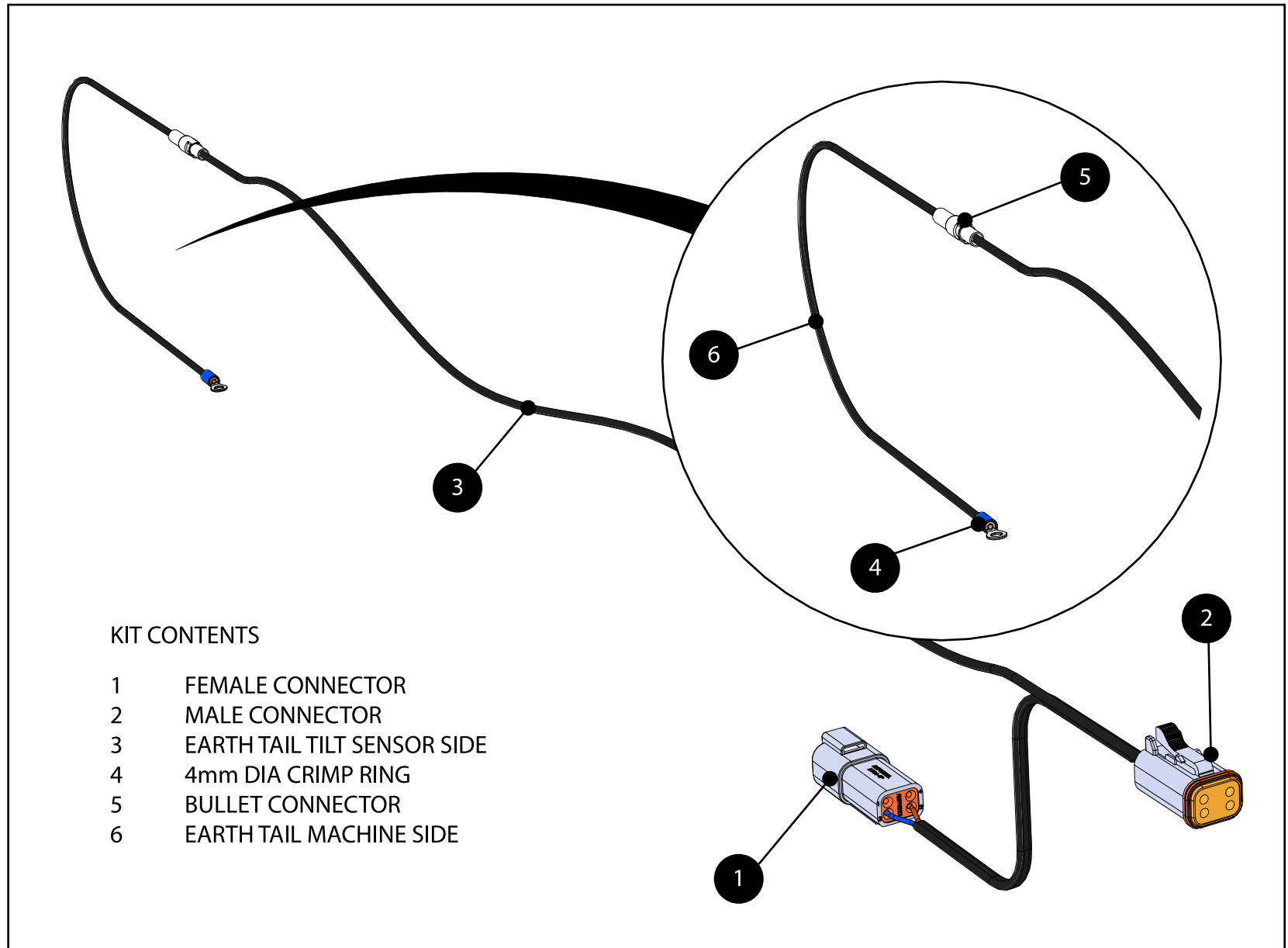
The contents of the kit are shown to the right and tools required to carry out the modification are listed below.

TOOLS REQUIRED

19mm A/F Open End Spanner
3/8" A/F Open End Spanner
4mm A/F Allen Key
Electricians Short Nosed Snips

KIT CONTENTS

- 1 FEMALE CONNECTOR
- 2 MALE CONNECTOR
- 3 EARTH TAIL TILT SENSOR SIDE
- 4 4mm DIA CRIMP RING
- 5 BULLET CONNECTOR
- 6 EARTH TAIL MACHINE SIDE



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1. Elevate machine and deploy maintenance props. Lower machine onto props and isolate the power to the machine by depressing the E-stop at the base controls.

2. Snip existing cable ties holding tilt sensor cable to other cables as shown in Fig 1.

3. Separate the Deutsch plug on the tilt sensor and connect in line cable assembly as shown (male to female & female to male) as shown in Fig.2

4. Remove grey plastic gland cap 'A' and insert cable '3' through the cap and then through the main gland body into the lower tray cavity. See Fig. 3.

5. Remove the 4 x 4mm A/F Allen Screws holding the rear inspection panel and remove cover plate. See Fig. 4.

6. Locate cable '3' and pull cable through until all excess cable is removed from the top chassis plate. Fit cable ties to the cables on the top plate and re-fit gland cap to gland body as shown in Fig.5.

7. Feed cable '3' through the 'P-Clip' and attach cable tie to retain cable '3' to main harness before the 'P-Clip' See Fig. 6.

8. Open the front drawer and pull cable '3' through and connect to cable '6' with the bullet connector '5'. See Fig. 7.

9. Attach 4mm ring terminal '4' to Earth stud on motor contactor (Yellow cable) as shown in Fig. 8 using 3/8" open ended spanner.

10. Turn machine power back on and test that tilt sensor sets correctly. It should sound an alarm for approximately 4 seconds at which point it should set and the green LED should be lit. See Fig. 9.

11. Isolate machine power and attach cable ties to cable '6' and '3' at points either side of the main 12 way Deutsch socket and at a convenient point near the motor contactor. This will enable the removal of the lower tray if required.

12. Refit the rear inspection panel with 4 x 4mm A/F allen screws, power machine up and run a final function check.

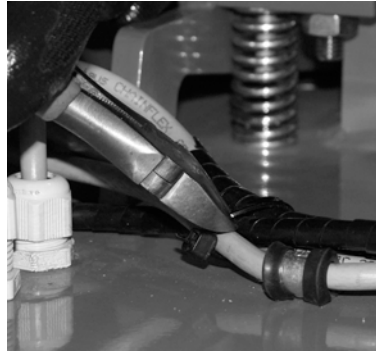


Fig.1



Fig.4



Fig.7



Fig.2

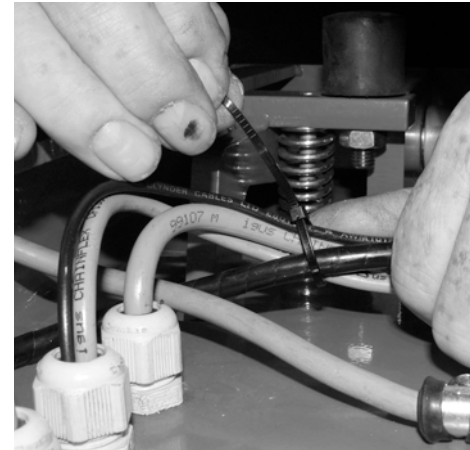


Fig.5



Fig.8

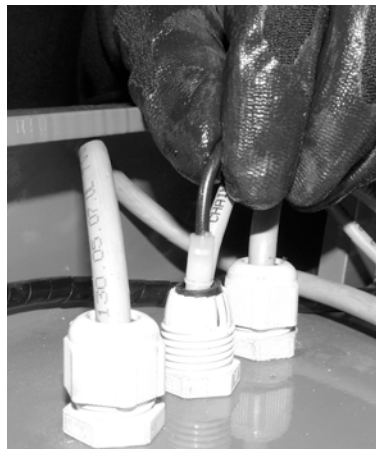


Fig.3

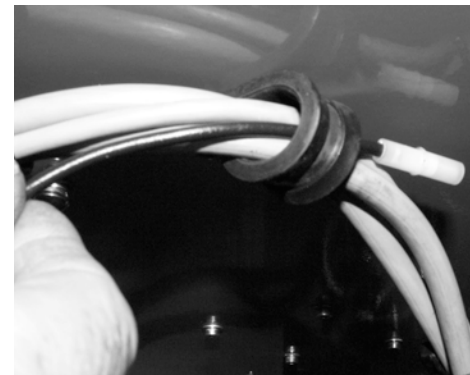


Fig.6



Fig.9