SERVICEKIT
Salamander GENUINE parts

SKELECT09 ELECT

Making **water** perform

iphe

ISO 9001:2008 SGS

ESP 75/80 PUMPS
& IRISH VERSION
Salamander Pumps

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Made in BRITAIN

WRAS APPROVED PRODUCT

PumpWise

PLEASE NOTE:
By using the parts included in this pack to repair your pump, you will be invalidating any warranty you have on the pump.
Returns:
If you need to return this pack for any reason please ensure the original packaging and these instructions leaflets are returned also. If you have any questions or queries regarding this spares pack or any other pump related questions please contact us.
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INTRODUCTION

ESP 50/55 PUMPS and IRISH versions

Tools required :

- **PZ2 Screwdriver**
- **7mm Deep Socket**
- **Long nose Pliers**
- **Snips**
- **PZ1 Screwdriver**

Parts in Service kit:

- **Float- PFLOAT01(13) x 2**
- **NRV - CNRVPL01 (41) x 2**
- **HE Cold -EHALLE01 (17)**
- **HE Hot- EHALLE03 (17)**
- **Cable Tie Blue -FCABLE02 (35)**
- **Cable Tie Red- FCABLE03 (35)**
- **Interface (New)- EPCBES01 (5)**
- **Screw 6 x 1/2" - FScrew 11 x 2 (31)**
- **Screw SS Grub - FScrew 02 x 2 (42)**

WARNING! ENSURE PUMP IS ISOLATED FROM ELECTRICITY AND WATER SUPPLY. IF IN DOUBT CONSULT A COMPETENT TRADESMAN.

Pump should be serviced in horizontal position with couples disconnected and water and electricity supply isolated.

DO NOT RUN PUMP DRY. ALLOW WATER TO FILL PUMP TO LUBRICATE SEALS BEFORE STARTING. CHECK FOR LEAKS DURING TEST BEFORE BEING SATISFIED PUMP IS OK

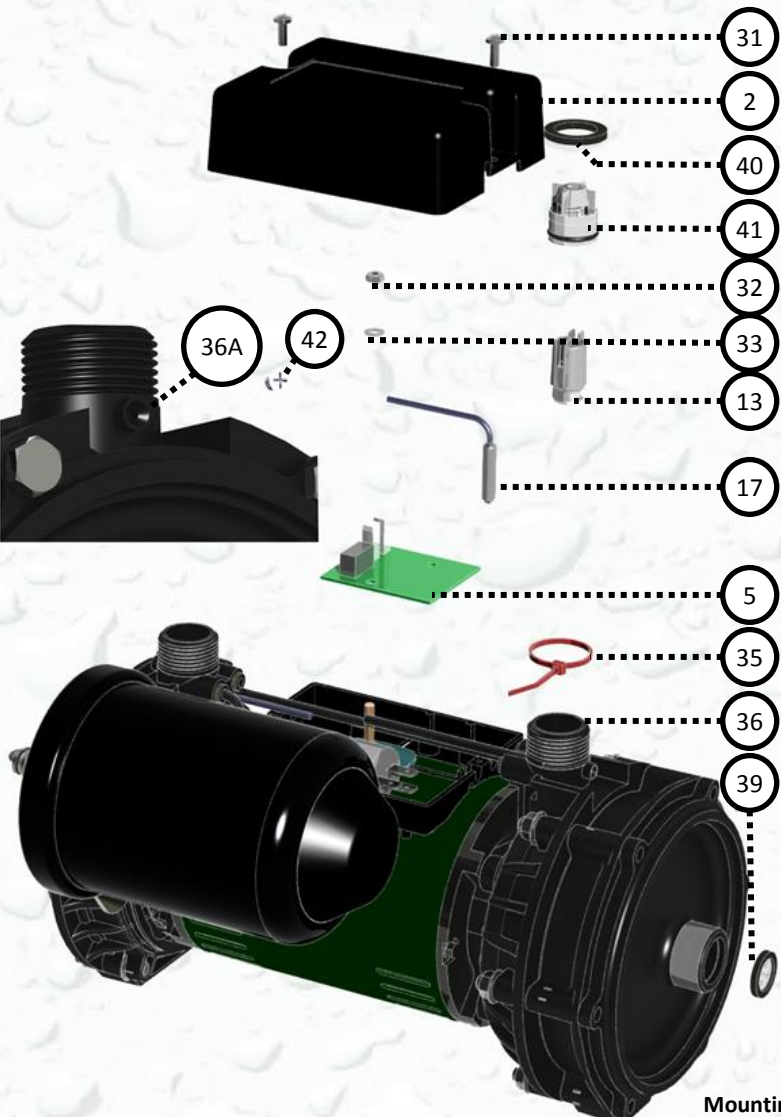1. Remove Junction Box (JB) lid screws (31) using PZ2 screwdriver and discard.
2. Remove JB lid (2) and retain.
3. Disconnect Hall Effect (HE) sensor lead (17 noting type)
4. Snip cable tie , noting colour that secures HE sensor to pump housing note its orientation and remove. Discard both.
RED IS HOT SIDE
5. Repeat above steps for opposite pump side.
6. Disconnect mains and motor cables noting their orientation.
7. Remove M4 nut(32) and M4 washer(33) using 7mm deep socket.
8. Remove PCB interface (5) and carefully remove pressure transducer tube from carstick fitting in the outer(36), by pressing outer QR ring that secures the tube.
9. Fit new PCB interface and insert transducer tube into outer carstick ensuring it is cut to the same length with a vertical flat face.
10. Secure with M4 nut and washer and tighten to 1.95Nm +/- 0.15Nm
11. Insert new HE sensor (17) into OUTLET housing and secure with cable tie of CORRECT TYPE AND COLOUR. Snip excess cable tie off.
12. Repeat above steps for opposite pump side ENSURING CORRECT HE SENSOR AND COLOURED CABLE TIE. **BLUE IS COLD**
13. Reconnect both HE sensors and mains ,motor cables as per PCB diagram. Ensure cables are routed via junction box base cable slots.
NOTE: RECONNECT PUMP AND TEST FOR SERVICEABILITY. IF OK THE NEXT STEPS ARE NOT REQUIRED. IF NOT OK FOLLOW INSTRUCTIONS WITH CARE AS THIS TASK IS ORDINARILY FACTORY PROVEN.

14. Remove Non Return Valve (NRV) retaining screw PZ1 (42) FROM 36A aperture. Remove NRV (41) noticing its orientation using long nosed pliers and discard.
15. Remove float(13) noticing its orientation.
16. Repeat above steps for opposite pump side.
17. Insert Float (13) into OUTLET in the same orientation as removed ensuring it engages with float guides and moves freely.
18. Insert NRV to stop position and fit NRV PZ1 screw into 36A secured to 0.5 Nm max
   DO NOT OVER TIGHTEN OR USE SEALANT
19. Refit JB lid checking no cables are trapped.
20. Re-secure JB lid screws to hand tight.
21. Reconnect couplers ensuring filter and rubber washers are seated correctly. Service is now complete and ready for test.

31
2
40
41
32
33
13
17
36A
42
5
35
36
39

Mains neutral
Mains live
Motor live

EPCBES01-4
ST15191324
myrra

Pressure Switch

Mounting Hole/Mains earth

To Carstick

HOT Hall effect
Ensure black wire in on this pin
COLD Hall effect
Ensure red wire in on this pin