

# Long Controls **Site Services** Offer

## ❖ Contents:

- Section 1 – Full Invasive Refurbishment (in-situ)
- Section 2 – UpRated Short Time Current Rating (3-Sec (in-situ)
- Section 3 – Routine Oil Maintenance (in-situ)
- Section 4 – Factory Refurbishment (client recovered units)
- Section 5 – Service Packs (OEM Spares)
- Company Contact Details



**Note: Format print options to print as two slides per page & print both sides**

# Section 1 – Fully Invasive Refurbishment

BEFORE



AFTER



Fully invasive internal & external (full prep & paint) Refurbishment of L&C switch whilst in situ. Removing the need to disturb the HV Cables and increase the risk of future HV Cable Fault.

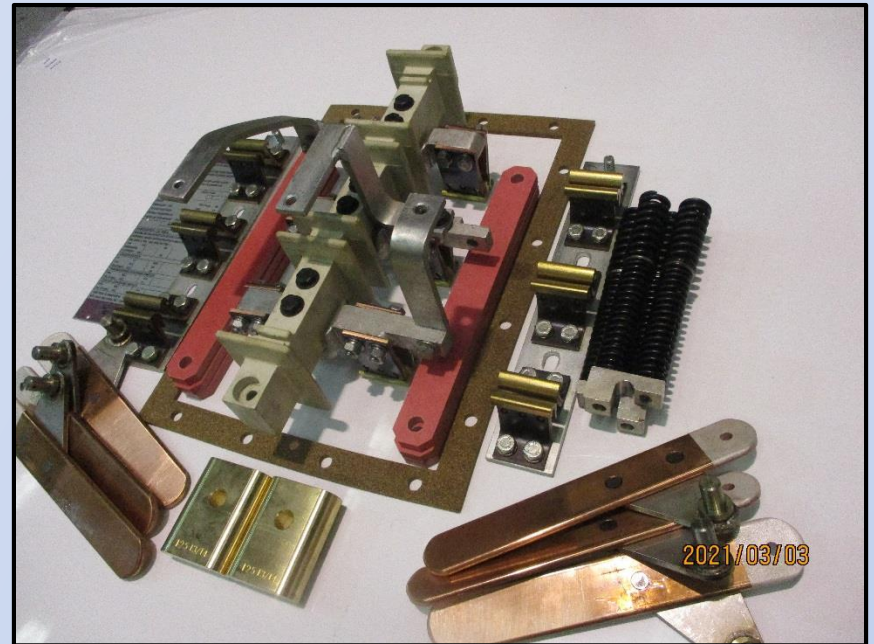
Process includes all OEM Service Pack components/parts (see Section 5) and includes any current recommended Service Upgrade i.e. F/Sw Fixed Contacts Fuse Clips, Dash Pots, Trip Arm Assy (contact LCL for information regarding any of these).

Full Stainless Steel Cable Boxes and Top Cover Assy (OEM Mild Steel) available if necessary.

**TRULY EXTENDING ASSETT LIFE**

# Section 2 – UpRate Short Time Rating

- Older J3 and T3GF3 units only have a Short Time (3-Sec) Current Rating of 13.1kA.
- Later J4 and T4GF3 units had stronger Contacts & Blades to be certified to 21.9kA (BS2631).
- Long Controls have evolved a Kit of Parts that UpRates J3 and T3GF3 to a KEMA certified 20kA (IEC) 3-Sec Rating.
- UpRate Site in-situ process includes the same as the Fully Invasive Refurbishment.
- Rendering the c. 1970/80's unit fully rated, fully Refurbished to provide another 20-years+ service.



# Section 3 – Routine Oil Maintenance

- .Working alongside the Electricity Company within their annual routine oil service maintenance regime of L&C switches.
- Affording the Asset Owner to complete his annual program on-time!
- Using LCL OEM Service Pack parts.
- Qualified and Authorised Fitters
  - Taking PTW & LOA
- Oil Handling Services (if necessary)

# Section 4 – Factory Refurbishment

- Identical Service to that offered in Section 1.
- Undertaken at LCL Factory, St. Helens or the Clients Depot.
- Designed to Extend the Life further of recovered L&C units off the Clients Network.
- Can also be coupled with Section 2 offer – 20-kA Uprate (new Contacts/Blades) for units having seen high fault make conditions.
- LCL only use L&C Factory Genuine OEM components/parts to protect the integrity of the original BS2631 certification as well as plant & personnel safety.
- Cost effective solution over that purchasing new.
- Environmentally ‘Foot-Print’ Friendly option versus SF6 Gas and Scrapping of Unit.
- Units returned to a full bill of health, full tested with a five year guarantee.



# Section 5 – Service Packs (OEM)



Available for: T3/T4GF3, J3/J4 & GF3

- ❖ Contents (T3/T4GF3):
  - Main Top Cover Gasket
  - Fuse Access Gasket
  - Test Access Gasket (2-pcs)
  - S/Stl Top Cover Fixings (10-pcs)
  - ON/OFF Window/Gasket Kit
  - F/Sw Brass Fixed Contacts (6-pcs)
  - F/Sw Braids (6-pcs)
  - Fuse Clips (SRBP) & pins (6-pcs)
  - Fan Labels (LH & RH)
  - External Label Kit
- ❖ Optional (T3/T4GF3):
  - S/Stl Cable Boxes
  - S/Stl Top Cover Assy
  - Brass Oil Dash Pots
  - Front Cover Stud Repair/Gasket Kit

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