

# Replacing existing counters on Prop-mix Tempests

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## Prop-mix units with Liquid Controls digitisers (yellow digitisers with blue pulse sender)

The LC digitiser uses a separate 15v or 12v converter to supply its voltage (depending on year). This will remain in place and only the wires at the counter are affected.

### Replacing existing Deice/Anti-ice counter (passengers side)

#### Move the following wires

Wire number	From	Move To	Notes
CTR1	Existing counter (1)	LC1 (2)	Positive
1	Existing encounter (2)	LC1 (1)	GND
A2	Resistor network. See note 1 below	LC1 (9)	CH2 SIG
776 See note 2 below	Existing encounter (12)	LC1 (6)	CH1 SIG
D4 (if fitted)	Existing encounter (7)	LC1 (3)	CH1 output
A4 (if fitted)	Existing encounter (9)	LC1 (4)	CH2 output

#### Note 1

Locate wire A6 going to the existing counter terminal 15. Follow this to a resistor network close by and at this resistor network, locate wire A2. Remove wire A2 from the resistor network and connect it to LC1 CH2 SENSOR SIG terminal LC1 (9).

The resistor network has no further use and could be removed.

#### Note 2

If the wire in the existing counter (7) is 776A, follow this wire to a resistor network close by and locate wire 776 at this resistor network. Remove wire 776 from this network and connect it to LC1 CH1 SENSOR SIG terminal LC1 (6).

The resistor network has no further use and could be removed.

Remove all other wires from the existing counter. Cut bare ends off. Tape up and secure all wires safely.

#### Setup

1. Turn on the ignition to power up the LC1 counter. Go into calibration mode (see user manual)
2. Set LC1 K1 K-Factor to 105 for initial calibration of the LC1
3. Set LC1 K2 K-Factor to 24 for initial calibration of the LC1

4. Carry out detailed calibration as per the LC1 manual

### Note 3

The sensor voltage setting for both channels does not affect the operation.

**Tape up any unused wires from the LC1 harness safely.**

### **Replacing water counter. (drivers' side)**

**Move the following wires**

Wire number	From	Move To	Notes
CTR2	Existing counter (1)	LC1 (2)	Positive
1	Existing counter (2)	LC1 (1)	GND
778 See note 4 below	Existing counter (12)	LC1 (6)	CH1 SIG
W4 (if fitted)	Existing counter (7)	LC1 (3)	CH1 output

### Note 4

If the wire in the existing counter (12) is 778A, follow this wire to a resistor network close by and locate wire 778 at this resistor network. Remove wire 778 from this network and connect it to LC1 CH1 SENSOR SIG terminal LC1 6).

The resistor network has no further use and could be removed.

### Note 5

The sensor voltage setting does not affect the operation.

### Note 6

Channel 2 on LC1 is not used. Go into the Labels section of the main menu and delete the label for channel 2.

Remove all other wires from the existing counter. Cut bare ends off. Tape up and secure all wires safely.

Turn on the ignition to power up the LC1 counter. Go into calibration mode (see user manual)

Set LC1 K1 K-Factor to 105 for initial calibration of the LC1

Carry out detailed calibration as per the LC1 manual.

**Tape up any unused wires from the LC1 harness safely.**