

DL

Datex

'Scotch Grip' Plastic adhesive - 4475.

'Dow Corning' 3140 RTV - Silicone Rubber.

If Cable is the manufacturers cable then change cable - original is poor quality
12 foot cable.

Prepair new Cable

Pull pads out.

Remove Led / Sensor.

Clean Led / Sensor.

Remove old wires.

Attach to Led / Sensor 4 Link Wires.

Red / Yellow - Led.

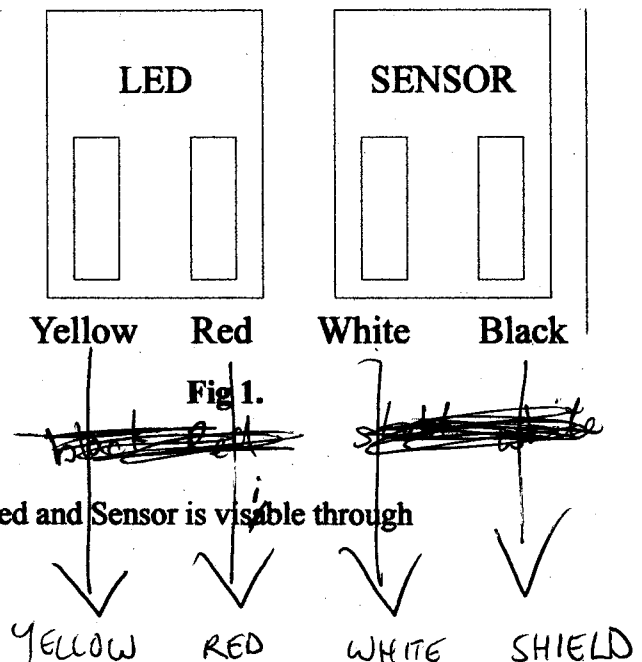
Black / White - Sensor.

See fig 1.

Super Glue Sensor / Led into Epic Pads (Ensuring Led and Sensor is visible through window).

Leave to Dry.

Led / Sensor Facing Down



Stretch new strain relief on a screw driver.

Glue strain relief 7.5 cm down the cable.

1.6 mm Diameter 5 cm Length.

1.6 mm Diameter 4 cm Length.

3.2 mm Diameter 1.5 cm Length.

0.5 cm from strain relief remove sheath of cable.

Cut and remove main shield.

Cut and remove Orange wire and the 2 Strings.

4 cm heat shrink over sheilded black / white.

5 cm heat shrink over red and yellow.

Shrink both.

1.5 cm heat shrink over both heat shrinks and shrink.

Cut and remove black wire.

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1.5 cm from heat shrink cut wires/shield.
Strip and Tin.

With 4475 Glue around finger clip rail (around sensor/led) and cover sensor/led.

leave to dry 2Hrs.

Cable Connector End

Remove Retaining Ring.
Stretch casing with screw driver.
Use alcohol to lubricate.
Remove rubber case.
Remove ring from inside rubber case.
Place rubber case and internal ring onto new cable.
Remove wires from plug.
Desolder wires from Pins 6 , 7 , 8 , 9.

Cut back cable 1.5 cm.
Remove main shield.
Remove Orange wire.
Remove Strings.
Remove Black Wire.
Strip and tin remaining wires.
Place 1.6 mm diameter 1 cm long heat shrink over shield.

Red to Pin 6

Yellow to Pin 7

White to Pin 8

Shield to Pin 9

IMPORTANT:

IT IS ESSENTIAL THAT THE SHIELD IS USED,
Shrink heat shrink on shield. AND NOT THE BLACK WIRE.
Put Connector back together.

Attaching pads to cable.

Over each link wire on the Led and Sensor place 0.5 cm length 1.6 mm Diameter heat shrink.
Attach cable to link wires (colour for colour) —
Cut and remove small peg on on side of epic finger clip
Insert strain relief into place.
Screw holding plate into place.
(Sensor pad to the bottom).

Use 4475 to Glue the pads into place.