

Detailed Method Instruction for the rebuild of Emergency Lanthorns.

Remove old panels - be as careful as possible with the tabs and only bend to 90 Deg max. Keep the door panel as it will be a useful indication of the size needed when inserting new panel.

Remove the old gear drilling out rivets to bottom of Lanthorn and keeping the 2no self tapping screws holding the top gear tray in place.

Remove old LED centre bottom unit.

Scrape a small area of paint from the bottom of the coned area at the top of the fitting , -5.00mm diameter - & attach 150mm of flexible 1.00mm earth wire from side of Lanthorn using nut, bolt an star washer for good connection.

Fit plug in connector block to incoming cable from connection point and attach earth wire



Drill 4.5mm holes in side horizontal bars for fixing panels later



Plug in Connector block from supplied Upper gear box



Fix in top gear tray leaving cables hanging down left hand side of door opening. (make sure the cut out is in the correct position). The two holes that held the old gear tray should line up. In the event

that they do not, new holes will have to be drilled to position the cables to below run down the left hand side of the door and can be hidden,

Fit horn panels. These should be carefully eased round from the left hand side of the door at an angle. Initially not on the tabs. It helps if you push one side in and pull the other side around as you go. Then drill through pre drilled holes, fixing panels in place with 4.0mm nuts and bolts



Door panels have been supplied to cover largest door size so will have to be cut to size with a sharp knife to fit each door. Note if door is to be an 'Accent ' Door the correct panel should be used and the fitting marked temporarily for correct placement .

Insert new lower LED and screw on heat sink.

Where possible, remove rubber grommet from top of fitting to allow air circulation

Connect and position the lower gear tray. Care should be taken to ensure the correct battery leads go to the correct batteries. The leads are marked with the number of cells they feed: (3 or 4). Be careful to position the plugin connector block to allow room for central LED. The connector block should be neatly tucked into the central area, as far to the side as possible. Also while placing the tray, make sure the cable loom from above runs to the left side of the door.



Screw in lamp and check operation. If correct, touch in the screw heads and bolts with black paint.