

# EL15 T181 165cm (5'6") PERISCOPE MAST INSTALLATION INSTRUCTIONS

## Contents

- 1/ Watertight Flange                      2/ 165cm (5'6") Mast  
3/ Internal Bulkhead Bracket            4/ Waterproof Mast Cap

This mast is used to mount an antennae on the roof of a vehicle, by passing through the roof, and being adjustable from inside for height and direction.

The diameter of the mast is 25.4mm (1") so it will fit most types of Caravan, Boat or Truck antennae, be they Omni-Directional or Directional types.

Its length gives a far greater flexibility to overcome ghosting and weak signals.

Adding extra cable to your antennae will not decrease the signal, as the extra height gained will more than compensate for the loss.

## Location

The ideal location is as high as possible with easy access, the antennae when fitted should not overlap the sides of the vehicle.

Fit towards the side of the vehicle that is nearest to the centre of the road to avoid damage. However if driving intercontinental on both sides of the road, fit to the middle of the vehicle if possible.

Fit as far as possible from other metal items.

The kit has an adjustable internal bulkhead bracket, by screwing out from the base of the bracket, the length of stand off can be increased. It is best not to have the bracket screwed fully tight when fixing, as this will not allow you any adjustment towards the bulkhead.

The internal bracket should be fitted approximately 23cm (9") lower than the roof, to allow support to the mast when it is extended to its full height. Do not mount it out of reach.

Ideally the mast should be inside a wardrobe, cupboard or toilet, to conceal the mast when retracted.

## Fitting

1/ Check with the internal bracket that it has an adjustment to the bulkhead and away from it by ensuring that it is not fully screwed up to the base. Fig 1

This may be essential if your roof is not horizontal to the ground as tightening of the watertight flange will move the mast in relation to the angle.

Do not fit the internal bracket yet, but mark the roof where the centre of the mast will be.

2/ Drill up through the roof from the inside to establish the centre hole for your mast, widen this hole to fit the watertight flange.

Remove the tightening nut from the flange, and insert, from the outside. Tighten the nut clamping the flange to the roof.

3/ Insert the mast, and establish where the internal bracket should be, remembering that at an angle the bottom of the mast will move when retracted. Once decided install the internal bracket, using the adjustment from the wall so that the mast passes through.

4/ Now seal all holes with silicone, slacken off the watertight flange, and seal underneath with silicone. Tighten the nut to fasten the flange snugly to the roof. Fig 2

5/ Insert the cable through the mast, if you have an antennae that fits over the top of the mast you can use the cap supplied to seal the mast if you remove the antennae. If your antennae is the type that clamps around the mast, use the mast cap supplied to pass the cable through the cap, and silicone seal this hole.

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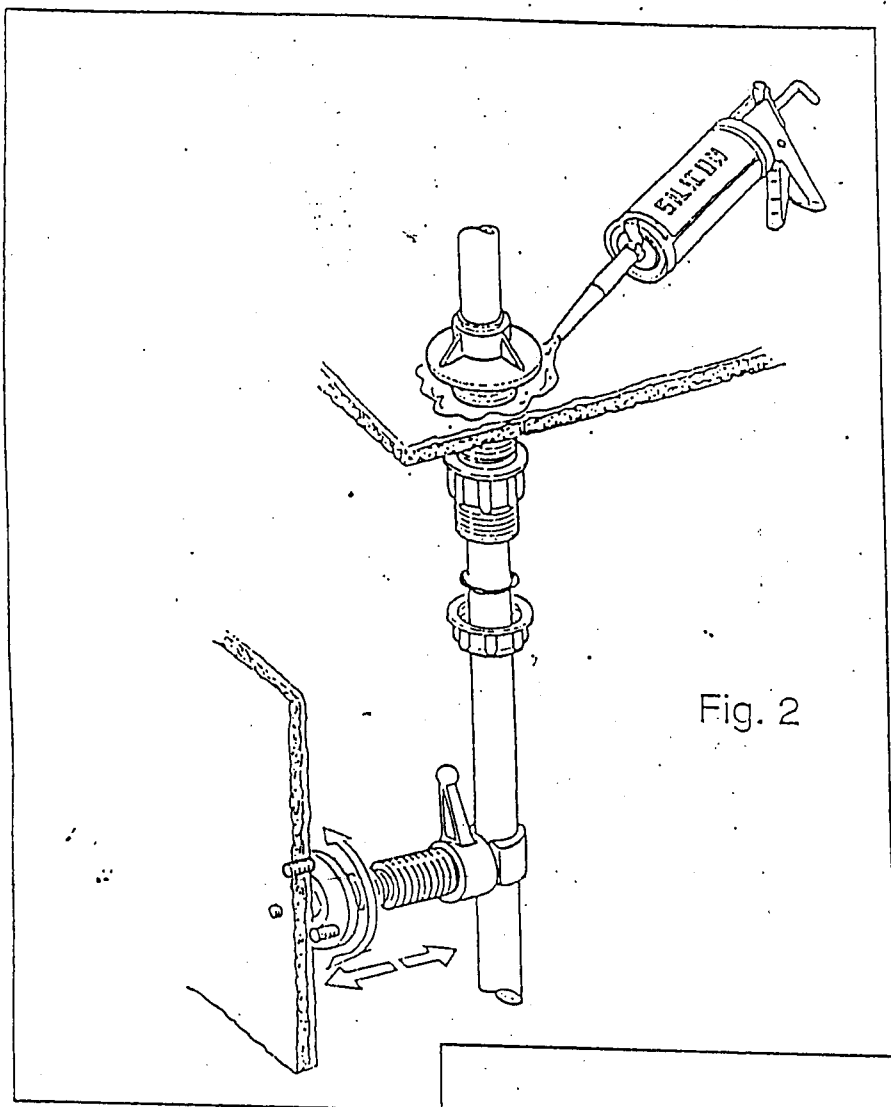


Fig. 2

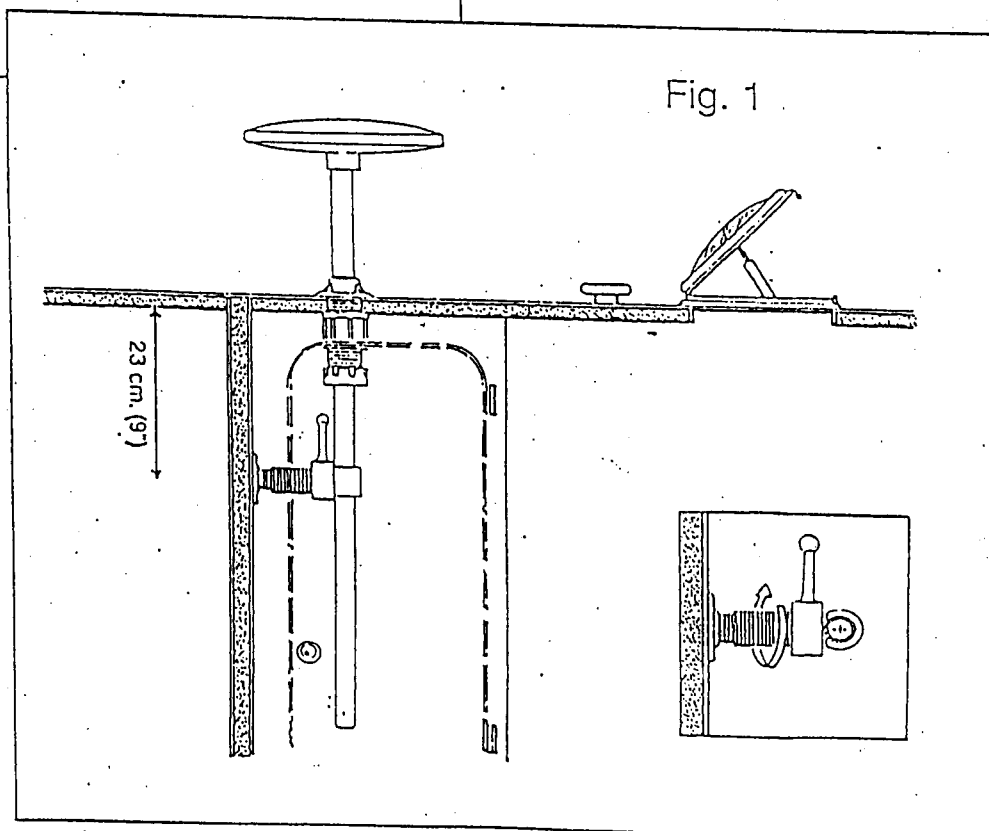


Fig. 1