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INSTALLATION INSTRUCTIONS

Zara Range Of Mobile Antennas

PACKING LIST

- 1 x Zara antenna base and cable.
- 1 x Whip or coiled whip.
- 1 x Plastic packet with cover nut.
- 1 x Plastic packet with either a SS10 spring / open loading spring or whip adaptor, M6 x 10 button head screw, M6 spring washer, allen key 4mm (or both 4mm & 2mm) and whip tip.

INSTALLATION INSTRUCTIONS

- STEP 1.** Remove antenna from the package.
Make sure **all parts** are **available** and there is **no physical damage**.
- STEP 2.** The antenna is designed for mounting on a **flat surface**.
The whip can be mounted in an **upright position**.
- STEP 3. Mounting: (See Fig.1)**
Drill/cut a **19mm hole on a flat surface**. Feed the cable through the hole followed by the antenna base.
Secure base with cover nut. (**Use 27mm spanner.**)
- STEP 4.** Secure the whip to base, using the **M6 x 10 screw and spring washer. (See Fig.1)**
Adjust whip to an upright position.
Tighten screw with 4mm allen key.
- STEP 5.** Run coax cable via shortest route to radio.
Cut off any excess cable.
Terminate cable in the appropriate coaxial plug.

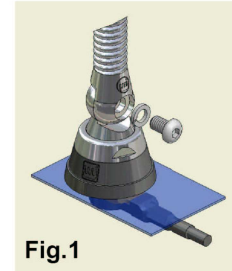


Fig.1

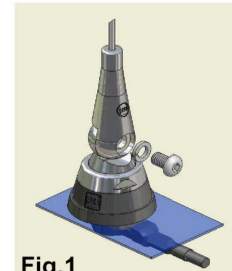


Fig.1

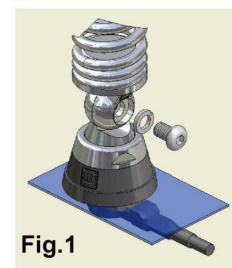


Fig.1

SEE CUTTING CHARTS OVERLEAF

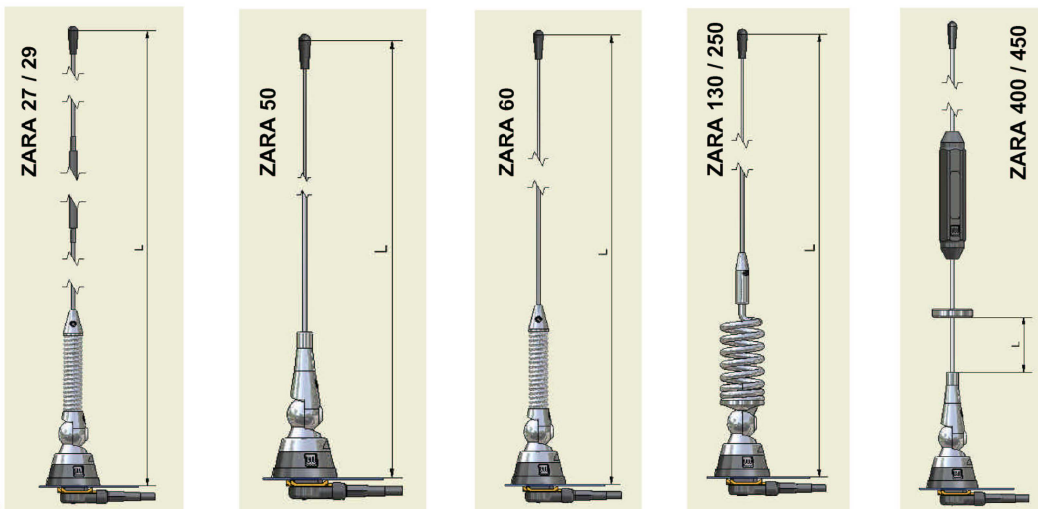
Note:

The **Zara 27 & 29** are adjusted during manufacture, to ensure optimum V.S.W.R.

If further adjustment is required, adjust the top whip only.
Loosen the lock nut. (covered by heat shrink sleeving.)

Carefully adjust top whip for **minimum V.S.W.R.**

Make sure the whip tip is fitted prior to any adjustments, as this will affect the final tuning.



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Tel: +27 11 719-0000 Fax: +27 11 444-2288
E-mail: webb@webb.co.za Web site: www.webb.co.za

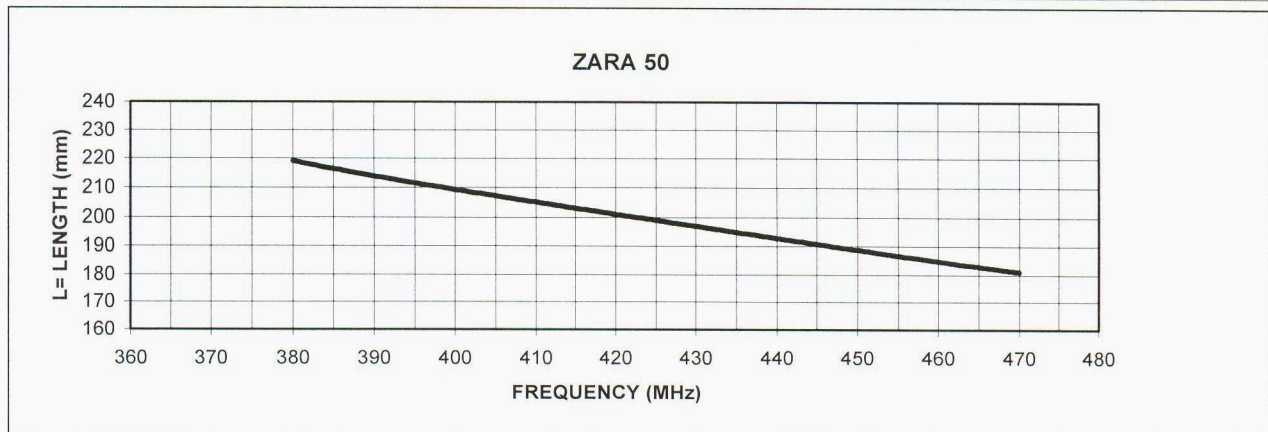
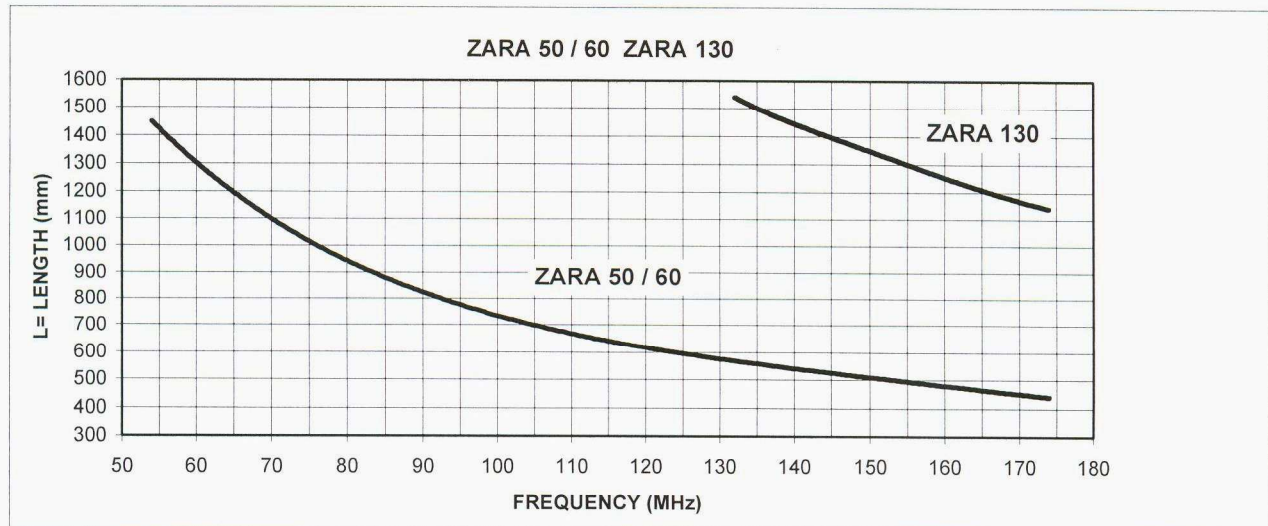




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ZARA RANGE CUTTING CHARTS

- It is suggested that the antenna whip is cut approximately 25mm longer than that indicated on the graph.



ZARA 250

Does not require any adjustment.

ZARA 400 & 450

These do not require the whip to be trimmed, tuning is achieved by positioning of disk on lower section of antenna as per table.

TYPE	L (mm)	FREQUENCY
ZARA 400	70	400 - 420
	40	410 - 430
	10	420 - 450
TYPE	L (mm)	FREQUENCY
ZARA 450	70	430 - 450
	40	440 - 460
	10	450 - 470