

Antenna / Antena

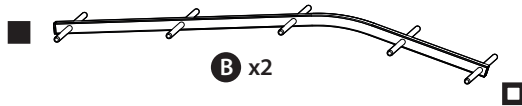
Ref. 148830

Kit: 148883

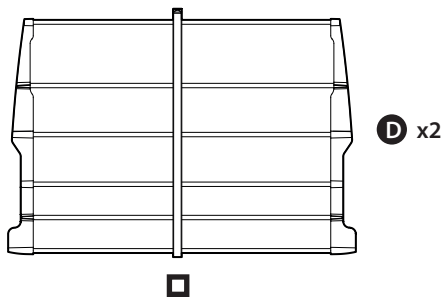
KIT	COMPOSITION
148883	Antenna 148830 + P.S.U. 550104



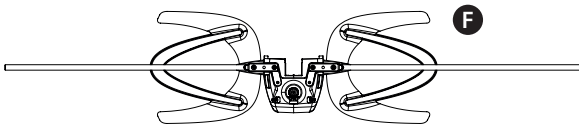
UHF Directors



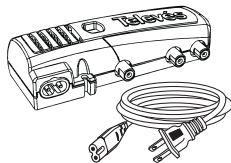
UHF Reflectors



Dipole Assembly



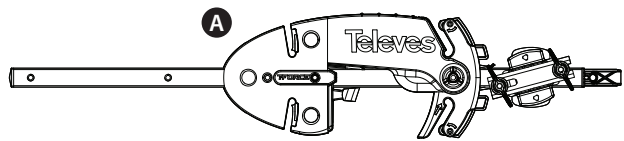
PSU 550104



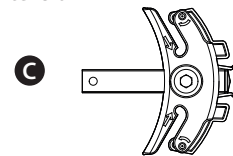
216120 accessory



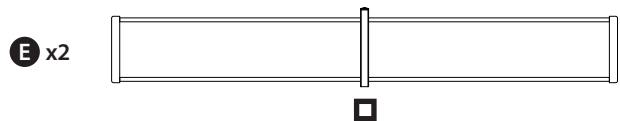
Main Assembly



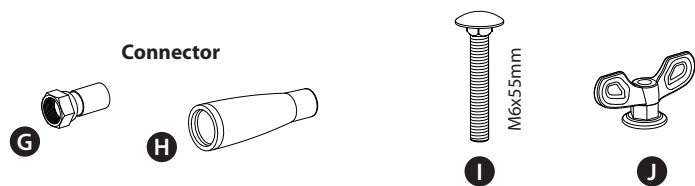
VHF Reflector Extension



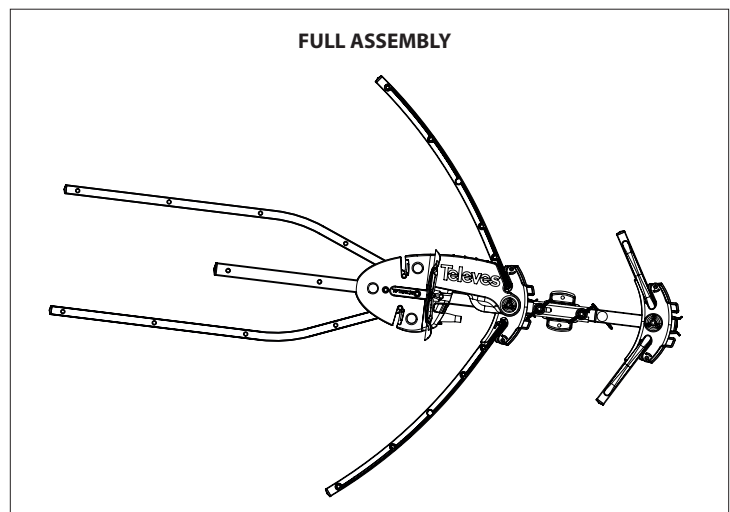
VHF Reflectors



Fastening hardware



FULL ASSEMBLY



Antenna assembly / Montaje de la antena

**NO
NEEDED
TOOLS**
to assembly
the antenna



Included accessory



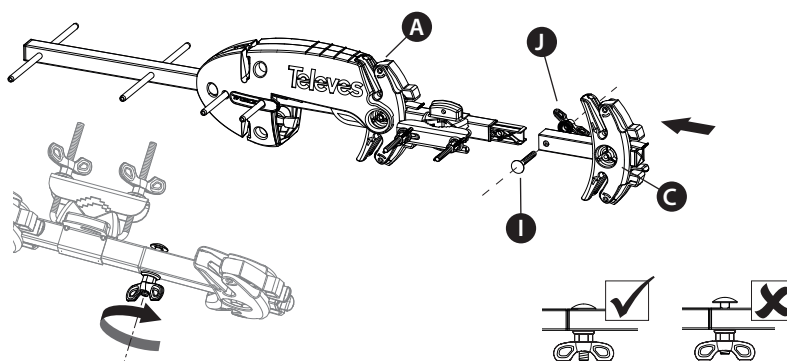
Cutter or Cutting pliers to release the items
(NOT included)



Scan to
watch
assembly
video

Note: Start the assembly procedure after thoroughly checking all parts and becoming familiar with them.

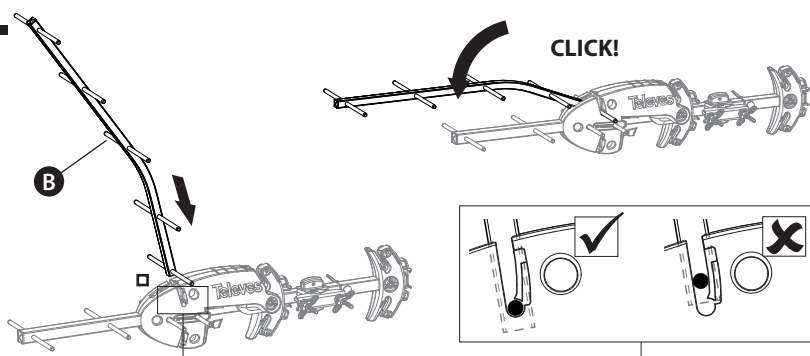
1



Proceed to insert the VHF reflector extensión **C** into the Main assembly **A**. Secure both parts using the screw **I** and the wing nut **J**.

Note: Tighten the wing nut **J** until the square carriage head of the bolt **I** sinks into the aluminum and the head sits flush with the boom. The bolt base will bite into the aluminum, securing the joint.

2

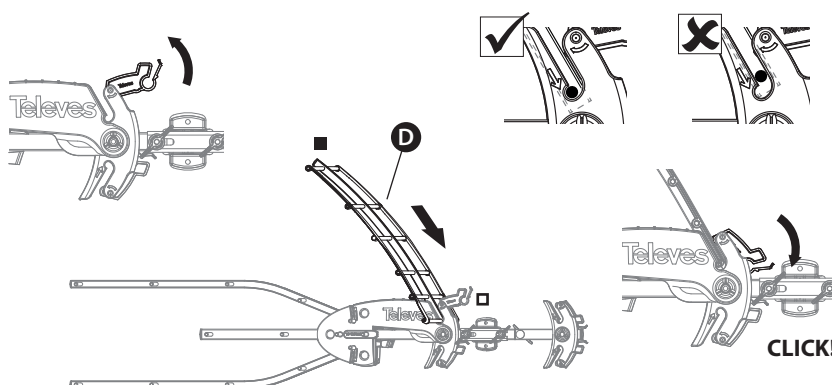


Insert the UHF director **B** all the way into the position indicated on the chart. Fold it towards the central element until you hear the CLICK of the hook.

Insert the part of the director that does not have a plug.

Do the same process with the lower director.

3

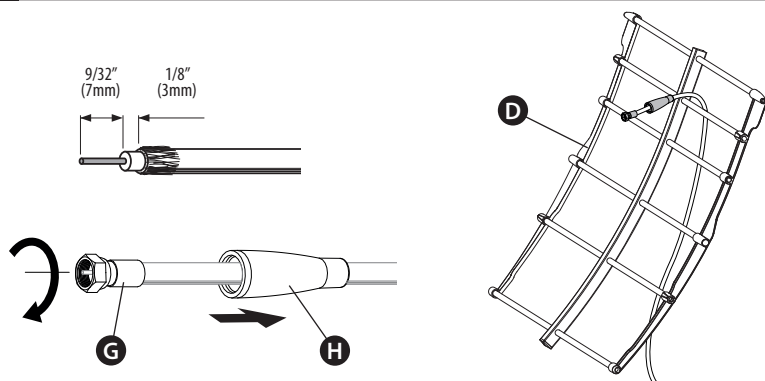
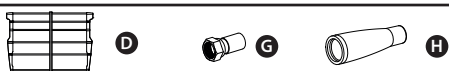


Place the **D** UHF reflector in the self-locking clamp by inserting the open end of the reflector without the grey plastic cap on it and with the black plastic locking mechanism in an upward position (unlocked).

Once the reflector is fully seated in the clamp (all the way to the bottom of the slot), lock them in place by firmly pressing down on the black plastic latches.

An audible "click" will be heard when the reflector is securely locked in place.

4



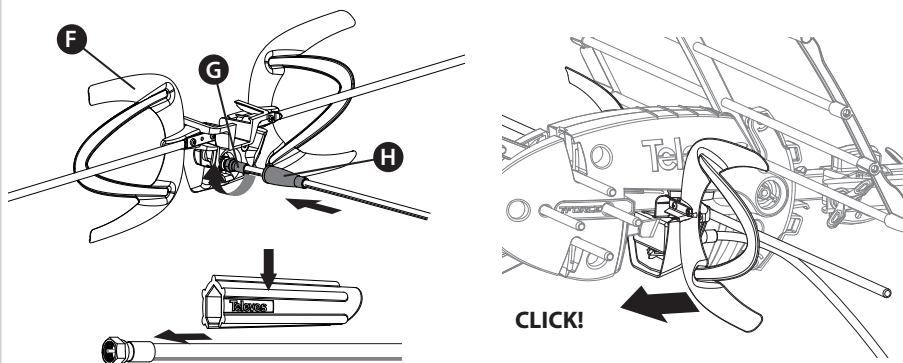
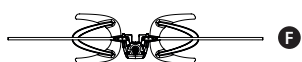
Prepare the coaxial cable as illustrated in the diagram before terminating the coax cable (installing the F-connector).

When using the provided weather boot and twist-on connector on an unterminated coaxial cable, slide the weather boot **H** onto the coaxial cable and properly terminate and fit the twist-on connector **G** to the coaxial cable.

Pass the cable with the connector through the 1st slot in the lower reflector.

Note: In place of the provided twist-on F-connector a crimp-on F-connector may be used in its place if available and the installer is familiar with this type of connector and has the tools to properly crimp them.

5

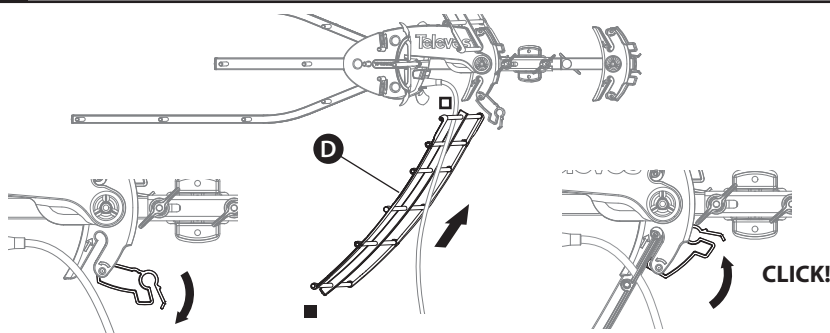


Screw connector **G** onto the threaded male input connection of the dipole assembly **F** and tighten with the 216120 accessory but do not overtighten, then slide the weather boot **H** over the connector as far as it will go.

Insert the Dipole assembly **F** into the antenna orange junction box, sliding it through the guide slot to the point where you will hear an audible "click" indicating the dipole is latched into place and fully seated in the main body of the antenna.

Visually check the dipole once installed to make sure there are no gaps and that it did fully seat.

6

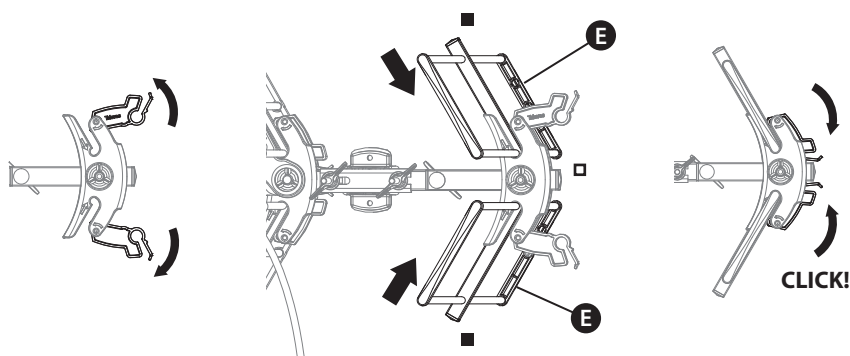


Place the second **D** UHF reflector in the self-locking clamp by inserting the open end of the reflector without the grey plastic cap on it and with the black plastic locking mechanism in an upward position (unlocked).

Once the reflector is fully seated in the clamp (all the way to the bottom of the slot), lock them in place by firmly pressing down on the black plastic latches.

An audible "click" will be heard when the reflector is securely locked in place.

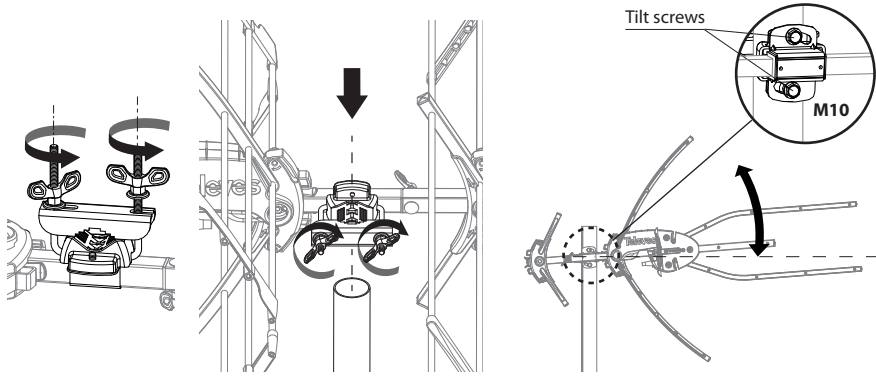
7



Place the **E** VHF reflectors (two pieces, one top and one bottom) in the self-locking clamp by inserting the open end of the reflector without the grey plastic cap on it and with the black plastic locking mechanism in an upward position (unlocked).

Once the reflectors are fully seated in the clamp (all the way to the bottom of the slot), lock them in place by firmly pressing down on the black plastic latches.

An audible "click" will be heard when the reflectors are securely locked in place.



Release the shackles from the mast clamp by removing and saving the wing nuts. Place the antenna assembly on the mast (not included) and proceed to replace the shackles and tighten the wing nuts to attach the assembly to the mast.

The "Tilt screws" will allow you to adjust the antenna elevation (level, up or down to optimize the installation). Be sure to tighten these screws once the desired antenna position is obtained.

FINAL NOTES:

- Following the provided instructions, connect the included power supply to the antenna using the leftmost connector (closest to wall power) with an appropriate length of 75 ohm coax, RG-6 or larger is recommended. Make sure than any device installed between the power supply and the antenna, such as a splitter, is DC power passing. The two connectors on the right of the power supply are for connecting your TV's and/or coaxial distribution.

- When aiming the antenna it may be necessary to alternate adjustments between left and right and then tilt, several times in order to achieve peak signal reception for the largest number of desired channels.

- The antenna will work in an un-amplified, pass-through mode, if the power supply is not connected or power fails to reach the antenna for any reason.

However, it is recommended to always use the antenna with power applied in order to activate the industry leading, TForce automatic gain preamp that is built in to the antenna.

- Always be sure to follow all local, state, and national electric codes. Seek the assistance of a local professional if needed.

Safety Instructions:

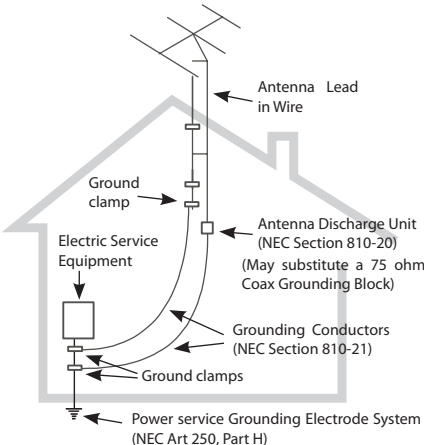
LIGHTNING PROTECTION

- ◆ If installed outdoors, be sure the antenna system is grounded so as to provide protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code ANSI/NFPA70, or CSA C22.1 sections 10, 16, and 54, of the Canadian Electrical Code, provide information with respect to proper grounding of the mast and supporting structure, grounding of the antenna lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode (see figure and instructions).
- ◆ Mount the lightning arrester or 75 ohm coaxial grounding block as close as possible to where the 75 ohm coaxial cable down lead enters the house.
- ◆ The ground wires for both the mast and the down lead should be copper or aluminium wire, number eight (8) or larger.
- ◆ The down lead wire from the antenna to the lightning arrester and the mast ground wire should be secured to the house, spaced from four (4) to six (6) feet apart.
- ◆ In the case of a "ground up" antenna installation it may not be necessary to ground the mast if the mast extends four or more feet in the earth. Consult a TV serviceman for the proper depth in your location.

WARNINGS

- ◆ To prevent fire or shock hazard, do not expose the included power supply to rain or moisture.
- ◆ Installation of off-air antennas near power lines is dangerous. For your safety, follow the installation instructions.
- ◆ Any alteration or modification to the product or usage not in accordance with product instructions voids the warranty.

Example of antenna grounding as per National Electrical Code, ANSI/NFPA 70



NEC - National Electrical Code

Technical specifications of the intelligent antenna (it must be powered)
Características técnicas de la antena inteligente (debe estar alimentada)

Reference	Referencia	148830		
Operating band	Banda de trabajo	MHz	High VHF	UHF
			174 - 216	470 - 608
			CH7 - CH13	CH14 - CH36
Mode	Modo	INTELLIGENT (BOSS ON)		
Gain	Ganancia	dBi	36.5	40
Output level	Nivel de salida	Auto*		
Power supply	Alimentación	V	12	
Consumption	Consumo	mA	70 (max) @12V	
Beamwidth	Ancho de haz	°	60	40
F/B ratio	Relación D/A	dB	>20	
Wind load	Carga al viento	N	96 (@ 80 mph)	
			132 (@ 93 mph)	

*The gain is automatically adjusted according to the level of output. La ganancia varía automáticamente en función del nivel de salida.

Antenna Selector

This antenna provides optimal reception for the following zone(s)
Esta antena brinda recepción óptima para las siguientes zonas

See www.antennaweb.org for the list of broadcasters in each reception zone where you live.
Consulte www.antennaweb.org para obtener una lista de emisoras en cada zona de recepción donde Usted reside.

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