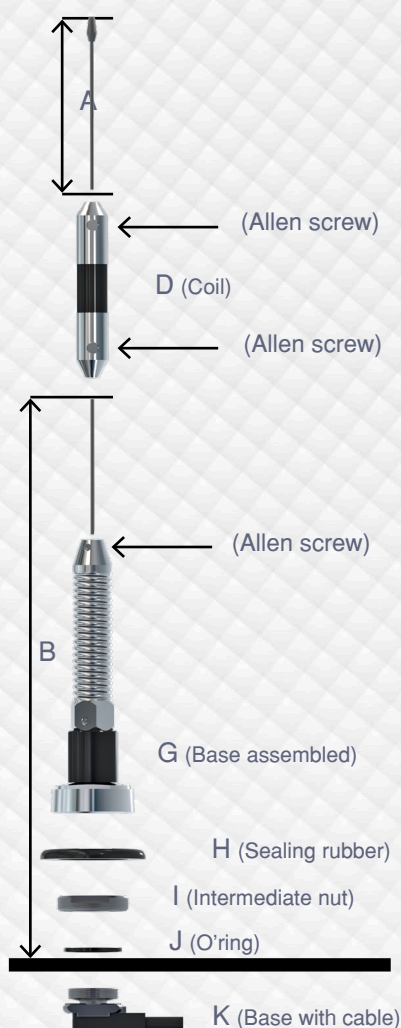


ASA-400MU

ASSEMBLY SEQUENCE

- 1 - Drill a 19mm hole in the geometric center of the vehicle's roof, making sure that there is no structural reinforcement internally in this position. Be careful with the interior lining of the roof.
- 2 - Pass the end without a connector of the coaxial cable, through the 19mm hole, from the outside to the inside of the vehicle, positioning the base (K) mounted on the other end of the cable.
- 3 - Lubricate the exposed part of the o'ring (J) that is already fitted to the intermediate nut (I). This ring will be responsible for sealing.
- 4 - Manually screw on the intermediate nut (I) observing that the o'ring must be facing downwards, and tighten using a 24mm wrench.
- 5 - Screw the assembled base (G) onto the intermediate nut (I) on the sealing rubber (H), giving final tightening with a 1" (inch) wrench.
- 6 - Mount the coaxial connector and check that, during assembly, there was no short circuit between the cover and its central pin. Check that there is continuity between the center pin of the connector and the center pin of the base.
- 7 - After this assembly, insert the Wattmeter between the transceiver and the antenna. Use the table below as a reference for cutting the rods (distance A and B as indicated) at the desired frequency, or at the center frequency when there is more than one frequency.
- 8 - To cut the rods (A and B), release them from the base and coil (D) using the allen wrench that comes with the set. Start by cutting the rod according to the table below, always adding 14mm to the value in the table, which is how far the rod goes into the base and the coil. Replace the rods and tighten the allen screws.
- 9 - Place the transceiver in transmission at the appropriate frequency and observe the Wattmeter. The reflected signal cannot be greater than 1,5:1 VSWR or 4% of forward power.

Note: The table below indicates reference values, which may be different from the advertised value. The installation condition exclusively for the roof or another physically similar location, whose free flat area has a minimum radius of $\frac{1}{4}$ wave plus 5% at the desired frequency.



CUTTING GUIDE TABLE					
MHz	A (mm)	B (mm)	MHz	A (mm)	B (mm)
345 / 360	614	302	430 / 445	403	282
350 / 365	601	302	435 / 450	387	282
355 / 370	587	302	440 / 455	375	282
360 / 375	574	302	445 / 460	370	282
365 / 380	561	302	450 / 465	366	273
370 / 385	548	302	455 / 470	356	273
375 / 390	534	302	460 / 475	351	273
380 / 395	521	302	465 / 480	343	273
385 / 400	511	302	470 / 485	338	273
390 / 405	505	302	475 / 490	330	262
395 / 410	482	294	480 / 495	319	262
400 / 415	470	294	485 / 500	316	253
405 / 420	463	294	490 / 505	311	253
410 / 425	455	294	495 / 510	302	253
415 / 430	432	294	500 / 515	300	253
420 / 435	416	294	505 / 520	297	253
425 / 440	408	294			

(Vehicle roof)