

2000 TRUCKER



- 3500 Watt power handling capacity (ICAS)
- Solid 10 gauge 100% silver plated wire
- Patented low loss coil
- Frequency range: 26-30 MHz (2.0:1 bandwidth: 1.-2.0 MHz)
- Guaranteed to outperform ALL other truck antennas

BASIC INSTALLATION OF THE WILSON TRUCKER 2000

1. Remove all parts of the WILSON TRUCKER from packaging.
2. Loosen both set screws from the chrome mast located at the top of the Trucker loading coil.
3. Remove and discard the short shipping tip.
4. Insert the included antenna whip fully into the bottom of the mast.
5. Lightly tighten both set screws. (Do not fully tighten at this time).
6. Place a lock washer on shaft.
7. Install WILSON TRUCKER on mount, screwing shaft into the mount until it bottoms out.
NOTE: It is recommended that you use a good quality mount with a stainless steel stud adapter, or a hard rubber "dome" type mount.
8. Securely tighten tapered hex nut on antenna mount.
9. Basic installation is now complete. Proceed to tuning instructions.

TUNING THE WILSON TRUCKER Single Antenna

1. For best performance and easiest tuning, use a single 18' length of RG-58 A/U, RG-8 A/U or RG-8X coax. Do not coil excess length, as this creates an RF Choke. Rather, "stuff" it randomly under the carpet, behind the dash or other less visible location.
2. Read SWR on channels 1, 20, and 40.
3. If SWR is higher on channel 1 than on 20 and 40, loosen set screw and pull antenna whip up 1/4", and re-tighten the set screws. Read the SWR again.
4. If SWR is still higher on channel 1, repeat step 3 above until lowest SWR reading is obtained on channel 20.
5. If lowest SWR obtained is below 1.5:1 on channel 20, tighten both set screws. **CAUTION: Do not over tighten the mast set screws.**
6. If SWR is lower on channel 1 than on 20 and 40, loosen set screws and remove antenna whip from mast. Cut 1/2" from the bottom, and re-insert into mast. Tighten set screws and read SWR again.
7. If SWR is still lower on channel 1, repeat step 6 until lowest SWR reading is obtained on channel 20.
8. If lowest SWR obtained is below 1.5:1 on channel 20, tighten both set screws. **CAUTION: Do not over tighten the mast set screws.**
If you prefer the lowest SWR to be on any other channel or frequency, simply tune and adjust for preferred channel or frequency.
9. After antenna tuning is completed, securely tighten tapered hex nut at antenna mount. **CAUTION: Do not over tighten hex nut.**
10. Tuning and installation of antenna is now complete. You may use the antenna chart below, for the WILSON 2000, as an approximate guide for different channels, adjusting the antenna whip for the length desired.

PERFORMANCE GUARANTEE

The WILSON TRUCKER 2000 will out perform all chrome plated copper tubing antennas it replaces or your money back. This guarantee is good for 15 days from the date of purchase at the original purchase point only, and with dated sales receipt.

ANTENNA WHIP LENGTH GUIDE

Approximate whip length for
Trucker 2000 with shaft length of:

CITIZEN BAND (11 MTR)

CH.	FREQ.	5"	10"
1	26.965	52.0	50-1/4
5	27.015	51-3/4	50.0
10	27.075	51-1/2	49-3/4
15	27.135	51-1/4	49-1/2
20	27.205	51.0	49-1/4
25	27.245	50-3/4	49.0
30	27.305	50-1/2	48-3/4
35	27.355	50-1/4	48-1/2
40	27.405	50.0	

AMATEUR BAND (10 MTR)

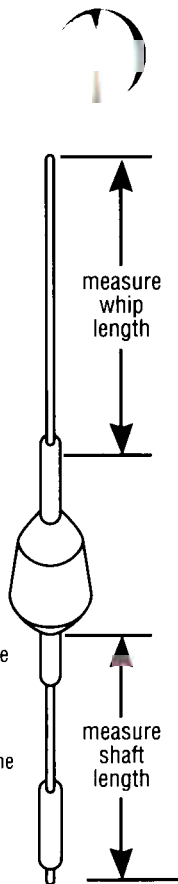
28.000	48.0	46-1/2
28.250	47-1/4	45-1/2
28.500	46-1/2	44-3/4
28.750	45-3/4	43-3/4
29.000	45.0	43.0
29.250	44-1/4	42-1/4
29.500	43-1/2	41-1/2
29.750	42-1/4	40-1/2

NOTE: 18/22" shaft not recommended for the
Trucker 2000, on truck mirror mounts, as it
puts too much torque on the mounts.

The lengths listed above are for the antenna
whip inserted into the mast. Measure from the
top of the antenna tip to the bottom of the
chrome mast, as shown in the drawing.

The actual length for your installation may
vary from the chart, due to differences in
vehicles and grounding.

To cut the stainless steel antenna whip, bolt cutters are
recommended, however a standard hacksaw may also be used.



DUAL TRUCKER INSTALLATION

1. The WILSON TRUCKERS will operate excellently in a dual configuration. For best performance and maximum front and back signal, maintain a distance of 8' to 9' between the antennas.
2. Tuning the TRUCKERS for dual installation is quick and easy. Install both antennas on the mirrors following steps 1-9 of "Basic Installation" above, for each antenna.
3. Install and route an 18' (recommended length for each side) of RG/59 co-phasing harness, but do not connect the coax to the radio or the antenna mounts.
4. Temporarily connect an 18' length of RG/58 coax from the SWR meter (or radio) to one antenna (example: driver's side only).
5. Tune this antenna for best SWR, using the procedures described above in "Tuning the Wilson Trucker".
6. When driver's side tuning is completed, disconnect the coax from mount and connect it to the passenger's side. Again tune for best SWR.
7. After obtaining the best SWR on the final antenna, remove the RG/58 from the system and connect the RG/59 co-phasing harness to both antennas and the SWR meter or radio.
8. Only minor adjustments may be required for final tuning.

HINTS ON INSTALLING & TUNING

1. The bottom of the loading coil should be above or level with the roof of the cab.
2. Excess coax cable must not be coiled. This creates a "choke" within the coax. The preferred method is random stuffing of the coax to hide excess length.
3. All doors should be closed and the truck should be away from close range of buildings, trees, and power lines, when checking SWR.
4. The recommended and preferred length of coax is 18'.

PROBLEMS ENCOUNTERED

- A. If you notice a steady 3.0:1 across the entire band of operation (example: Ch. 1 thru 40), check for proper grounding. Some trucks have an outer body shell insulated from the chassis ground. Also some mirrors have a coating on them that appears to provide a ground, but it is not sufficient for antenna operation.
- B. For fiberglass RV's or motor homes, using the WILSON "FLOATING GROUND KIT" can solve the missing ground problem. It will provide an artificial ground for these vehicles and allow the antenna to operate properly.

TECHNICAL SUPPORT

Additional help may be obtained by calling our toll free number:

1-800-542-6263 Monday thru Friday.

Please note: Wilson Antenna is closed Saturday, Sunday & holidays.

Additional installation guides, help & technical support information is available at:

www.wilsonantenna.com

email: wilson@wilsonantenna.com

LIFETIME LIMITED WARRANTY

This Wilson product is guaranteed to be free from defects in workmanship and material for the lifetime of the product providing no abuse of the product has occurred. Products may be returned to the dealer within 30 days of purchase. After 30 days, the product may be returned to Wilson, 1875 Zeager Road, Elizabethtown PA 17022, freight prepaid and a new replacement will be shipped back to you at no additional charge.

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