

"THE SPREAD EAGLE"
ANTENNA BREAK-THRU FOR TRUCKERS

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NEW!
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Since the ever-growing use of fiberglass in hoods, doors, and roof panels has taken the place of steel and aluminum, it gets more and more difficult to achieve a good electrical ground to the cabs of trucks. Poor grounding results in high SWR and little or no ground plane. High noise levels from electrical systems and static charged air from turbos and blowers are also from poor grounding. The conventional grounded antenna systems that we are now using do not perform well under these conditions so the search was on for bigger and better antennas. Since height limitations stopped us from going bigger, we set our sights on better.

After wasting a lot of time on conventional grounded systems, we found no way to improve them for use with fiberglass cab components. We decided to try an ungrounded system. There are several ungrounded antennas on the market now but none are very popular because they don't perform too well. Thus, the Spread Eagle was developed.

We built and installed over 500 antennas at no cost to long haulers and slip seaters to prove to ourselves and our customers that this system really performs well. Whether on metal or fiberglass, it works equally well. You can hold it in your hand and it will perform just as well. Transmit and receive signals will be of higher quality due to the lack of electrical interference common to grounded systems. This antenna can have an SWR of 1.0 to a 3.0 without any loss in performance, or result in any damage to your CB. On CB's with an AWI (antenna warning indicator), you may have to adjust the AWI sensitivity to accept a higher SWR. This is just to keep the AWI light from coming on.

This antenna has been tuned for a maximum gain at channel 19. The lower antenna has been tuned to take up to 500 watts, by using a corona ball at the tip under the cap.

The Spread Eagle continued:

Each unit will be pretuned at the factory. If any additional tuning is needed just remove the cap and stand up a short spike of wire about $\frac{1}{4}$ inch long. Install cap and check SWR. The cap has to be on the antenna when SWR is checked. Both antennas can be tuned in this manner. If the lower whip should need to be tuned, do not forget to reinstall the corona ball. Clean insulator from wire and firmly install the ball, making sure it won't come loose under the cap. In most cases tuning will not be needed. All whips are warranted against breakage for any reason for a period of five years.

You may already have seen the Spread Eagle and wondered what it was or you may have talked to someone who is now using one. You don't have to take my word for how well it performs, just ask someone who has one or better still "Try it-you'll like it", says the inventor, who is an ex-trucker.

We here at "Secret CB" are impressed with the appearance, performance, and five year warranty.

