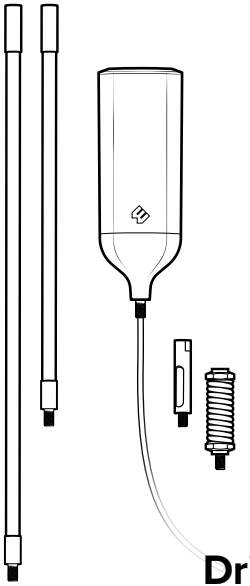
WILSON ELECTRONICS

Installation Guide



Drive OTR Antenna

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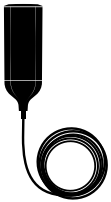
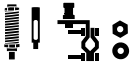
Package Contents



Drive OTR Antenna w/16 ft. Cable (311229)

13 in. & 18 in. Mast Extensions



Spring, Side Exit Adapter & 3-Way Mount

Thread Lock

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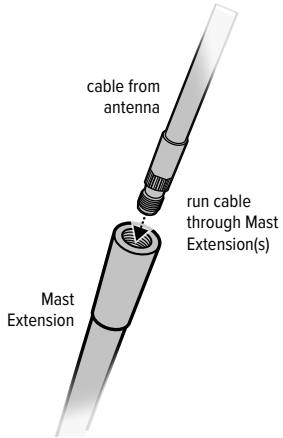
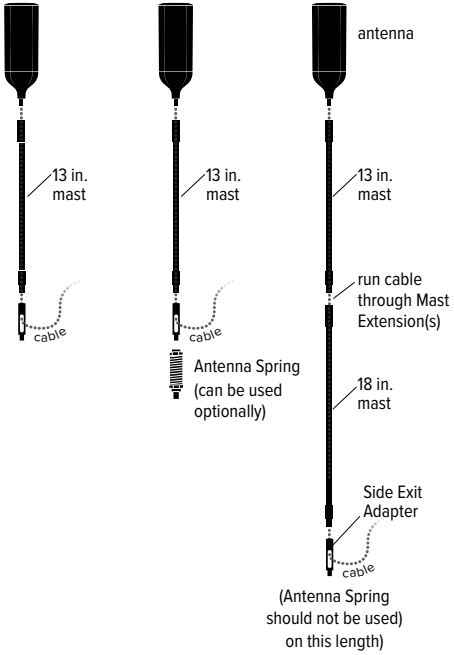
Select Mounting Location & Assemble the Antenna

Once you have determined the best location for the antenna, insert cable through mast(s) then through Side Exit Adpater.





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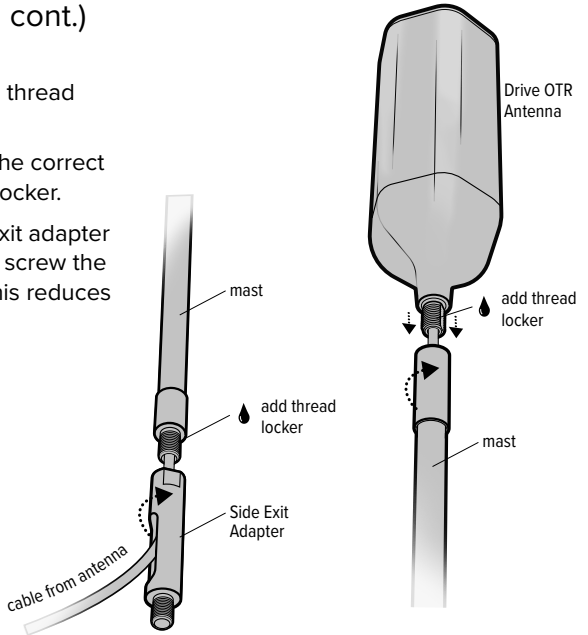
(Assemble the Antenna cont.)

Use thread locker (provided) to thread points and screw into place.

NOTE: Be sure the antenna is the correct height before applying thread locker.

NOTE: When adding the side exit adapter hold the antenna vertically and screw the adapter from the bottom up. This reduces cable twisting.



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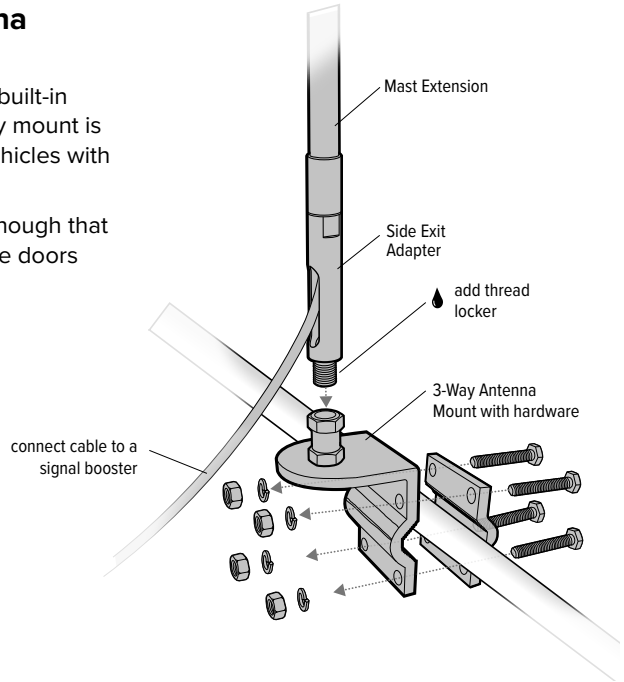
Mounting the Antenna

If the vehicle does not have built-in mounting points, a three-way mount is included that will work on vehicles with mirror rails.

NOTE: The cable is strong enough that it may be shut in most vehicle doors without damaging the cable.



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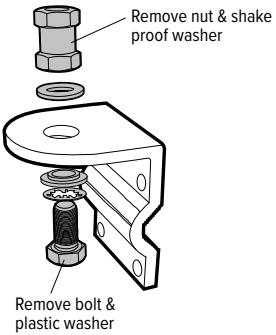
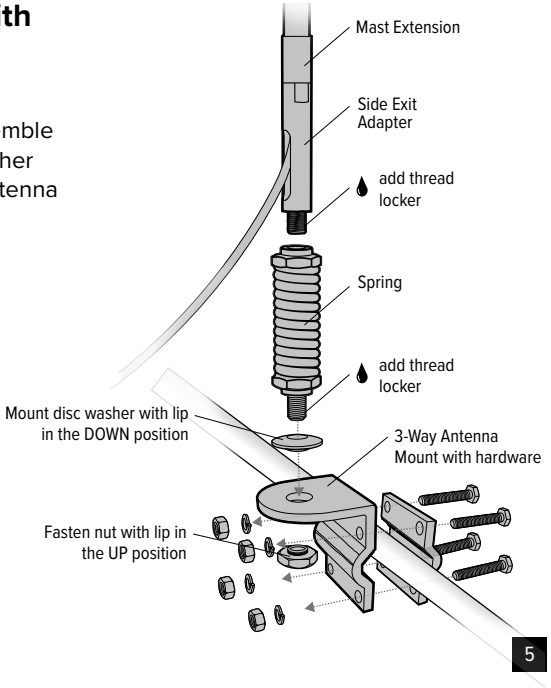
Mounting the Antenna with Spring

If installing with the Spring, disassemble the 3-Way Mount and use disc washer and nut (provided) to mount the antenna with Spring as shown.





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Safety Guidelines & Specifications

RF Safety Warning: Any antenna used with this device must be located at least 8 inches from all persons. AWS Warning: The Outside Antenna must be installed no higher than 32 feet 9 inches (10 meters) above ground.

Electrical Specifications						
Frequency Band (MHz)	698-806	806-960	1710-1880	1850-1990	1910-2170	2300-2700
Peak Gain (dBi)	2.4	2.6	3.8	3.8	3.7	4.3
Gain (dBi), Typical @ 2° Elevation	1.4	2.4	3.1	2.7	2.4	2.6
Cable loss LMR-195 30 in.	1.8	1.9	2.8	2.9	3.0	3.3
VSWR	<2:1		<2:1			
Efficiency (%)	> 70		> 65			
Polarization	Vertical					
Half-Power Azimuth Beamwidth (°)	360	360	360	360	360	360
Half-Power Elevation Beamwidth (°)	70	78	60	70	80	33
Impedance (Ω)	50					
Maximum Power (W)	10					

Mechanical Specifications	
Model	311229
Connector	SMA (F)
Dimensions (in / mm)	7.422 x 2.688 / 188 x 68
Weight (lb / kg)	.75 / .340
Rated Wind Velocity (mph / kph)	311 / 500
Radiator Material	Aluminum
Radome Material	Alumin Plastic Type: ASA (Acrylonitrile Styrene) Acrylate)

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⊘ 2 YEAR WARRANTY

Antennas may also be returned directly to the manufacturer at the consumer's expense, with a dated proof of purchase and a Returned Material Authorization (RMA) number supplied by Wilson Electronics. Wilson Electronics shall, at its option, either repair or replace the product. Wilson Electronics will pay for delivery of the repaired or replaced product back to the original consumer if located within the continental U.S.

Replacement products may include refurbished Wilson Electronics products that have been recertified to conform with product specifications.

This warranty does not apply to any antennas determined by Wilson Electronics to have been subjected to misuse, abuse, neglect, or mishandling that alters or damages physical or electronic properties.

RMA numbers may be obtained by contacting Technical Support at 866-294-1660.

DISCLAIMER: The information provided by Wilson Electronics, LLC is believed to be complete and accurate. However, no responsibility is assumed by Wilson Electronics, LLC for any business or personal losses arising from its use, or for any infringements of patents or other rights of third parties that may result from its use.

MARKETING APPROVAL: Installer and end customer hereby grants to Wilson Electronics the express right to use installers or end customers company logo in marketing, sales, financial, and public relations materials and other communications solely to identify Customer as a Wilson Electronics customer.

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Notes

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Notes

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NOT AFFILIATED WITH WILSON ANTENNA

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