Install cb radio antenna

Without Any Extra Cost to You! If you have a question how to ground a CB antenna there have much thing comes to. How do you understand your CB Antenna is already well Grounded? Is it too high or okay? So how do we test SWR? The Multimeter has two probes one is Red and another is Black. We need to test the Multimeter first so two probes get together and look at the meter display. However, take a good multimeter and the first probe connect where it touches your CB antenna mount. After that look at the multimeter display if meter needle movement is much on the right way great your grounding system is well connected otherwise if you get some unexpected results, need to re-grounded it properly. A CB radio ground plane means a reflective unit while the antenna is the reactive unit that is most suitable for grounding a CB antenna. Almost all vehicles use the car metal part as a ground plane like car body, bumper, Chassis. Most of the time we are making a mistake mixing ground plane and no ground plane hardware. We should keep in mind that ground plane hardware and no ground system hardware are not interchangeable. The first thing we need to decide where we will mount my CB radio Antenna. When we do install a CB antenna keep in mind how easily we get a grounding plane, like install antenna near battery negative terminal or best car metal ground plane. If you want a good strong signal you will install the antenna on the roof. When you install the antenna on the Trunk lid, Fender, Bumper, or other places in your car you will get a weaker signal than the rooftop. Trunk Lid is also a better place for a ground antenna. There has a much metal part car body. A screw behind the trunk lid will be a perfect location for grounding the CB antenna. The antenna can be installed on the front side Fender Or Bumper panel but we will get a few weaker signals than the roof. Before diving into the full process some important point we should be remembered. Also, we use some extended links bold for making a strong connection between the jeep and JK mount bracket kit. The most important thing is the bracket needs to be properly grounded first that most people make a mistake here. So be careful about the bracket grounding. However, set the bracket with backside spare tire carrier and connect the grounding wire with the bracket supplied bolt properly set the ground wire behind the flat washer. Make sure the grounding wire connected jeep best grounding place like jeep metal frame mousetrap. First thing we want to do we need to remember we ground the bottom side of the JK mount bracket. So the bottom post set the bracket hole. When we slide it up the post next put the plastic washer. The plastic washer is small but it makes the bonding strong also the most important thing it does is make an isolation between the antenna and grounding material. It works as an insulator between antenna mount and antenna grounding post. Plastic washer set it down next flat metal washer then lock washer then put on the top antenna mount and spring make sure the bonding is strong. Use a wrench to make the bonding strong. After proper installation now to test the bracket grounded, bottom side cable connected grounded and make sure upper side antenna mount not grounded. If you are not properly contacted with the battery terminal then find the best jeep body ground. Now take the red probe contact with the lower post where the antenna cable mounts then if you get any resistance value digital meter or needle movement on the right way analog meter that would be great it grounded perfectly. If we touch the red probe on the upper post antenna mount and get some reading that would be wrong so also check this. At last point remember we ground the lower part post where connect the coaxial cable plug. The most important part creating a good ground to find the best metal part of the car body please refuse plastic or other objects. Another one is to make sure your multimeter is good. Your email address will not be published. Save my name, email, and website in this browser for the next time I comment. A multi-meter Analog or Digital Grounding straps A screwdriver set 17mm wrench 13 mm wrench socket wrench gauge wire Or braided ground strap. Leave a Comment Cancel Reply Your email address will not be published. Start typing and press enter to search Search â€¦. Forums New posts Featured threads Search forums Search images. What's new Unread posts All posts Latest activity. Orders List. Members Registered members Current visitors. Big Bronco. Maverick Pickup. Log in Register. Search titles only. Search Advanced searchâ€¦. Image Searchâ€¦. New posts. Featured threads. Search forums. Search images. Log in. Change style. Contact us. Close Menu. JavaScript is disabled. For a better experience, please enable JavaScript in your browser before proceeding. Radio unit and antenna installation. Thread starter Ultraspaz Start date Dec 19. Please move to appropriate place if needed. Ford has some documentation on the subject that may be of use. Galvanic corrosion attachment will help anyone installing dissimilar metals to the body antennas to prevent corrosion if you start drilling the roof for your install. Ultraspaz said:. The galvanic corrosion issue is really one that has been hyped up more than it needs to be. The aluminum Ford models CAN have such an issue - but is mitigated by the fact that said body panels are coated in a type of electrostatic zinc coating. The biggest thing to ensure in ham radio installs that can lead to some Clip that out and you'll never have a possible voltage issue of any sort. The issue I have personally seen is the ground wire fuse will blow No bueno. As for location of

drilling - I am looking at the one I just picked up because I will be installing my radios back in this vehicle as soon as possible. My thought is either going to be an NMO straight into the roof about " from the shark-fin antenna, or I might just run a fender mount off the front so I can run a taller antenna like the Comet SAR model without making the Bronco look like an RC car. Both are on handheld control heads which I will be hopefully finding a decent mounting solution for. NavyBOFH said:. Trying to get this thread going so here is my install even if it may be temporary until I find a better solution. Been a ham since ' Once I get my hands on the new vehicle I can get a better idea on how I am going to install my equipment. Looks like your phone is mounted where I would like to mount the control head of my Icom ID I also want to put the body under the drivers seat. What are you using as a ground plane for your antenna?. Also, shouldn't be a problem running the coax near the power cable. The sharp turns on the coax can cause the center conductor to migrate toward the shield if it gets very warm. More of a problem with solid center conductors. Need to find out info on using the modem and built in wifi on my data plan. I want to use it with my open spot 3 to work D-star reflectors while I'm traveling. BobH said:. Also, shouldn't be a problem running th! That VGC was a fun little radio when it came out - but I haven't seen one in person yet! The 90s in the coax and it running parallel to the power shouldn't be an issue. RFI won't find its way in easily unless you have massive coils of spare power or coax which act like an inductive pick-up. That space is about where I thought of mounting a 50w Motorola deck - though its about twice the size of the VGC. The antenna mount I haven't thought of though - that might be a winner. JamesT said:. Cant wait to hear and see what you think. Want to install a yaesu ft Some interesting ideas have been posted forum about mounting antenna on a bracket at A pillar. The antenna is the hard part. I am considering a lip mount on the lift gate between the glass and the tail lite but I can't tell it is too curved to use one there. One possibility would be a 40 inch lite bar made of metal. I would put an NMO L bracket on the back of it in the middle. Run the coax where the power cable for the lite bracket runs. There are rubber strips that run between the words " Accessory Ready" and the roof rails. I have heard that the can be pulled up and maybe there are access holes underneath. I don't know if that is true because I don't have anything to look at yet. Still, if you can't bring yourself to drill a hole, take it to your local 2 way dealer. Most of them are willing to work with Hams cause a lot of them are Hams. Good luck on your install. I'm having my first actual long conversation on my radio installed in the BS. About 15 min. It takes 3 tries for cruise to work with same warning each time. Also, speed doesn't change at speed sign changes like normal. I stop the Sport , shut it off and restart to see if this makes a difference. I go on to my destination and on the way the I get a no GPS GPS in a circle with a line through it warning on center console. By now I'm wondering if I somehow compromised a wire while installing power for transceiver but I didn't have any problems before I had the long rag chew. I unplug power to radio and shut down the Sport. An hour later everything is back to normal. I'm now a bit nervous about putting power to the radio. I had no problems before with a 5 watt HT on a magnetic mount near the BS antenna. Expert advice needed. Has anyone else had problems? Is the 50 watts transmission causing the problems in my electronics? Antenna is 27 inches ahead of the BS antenna. Definitely not in one of the recommended mounting areas. Another thought is: Could the radios power cord I ran through an existing grommet induce currents in the large wire bundle in the grommet? When I get a chance I'm going to try reduced power outputs. Also going to look inside the grommet to insure no damage to wire bundle and try running power from a different source. Will also try old mag mount antenna and coax reroute. If I can't find a solution I'm going back to the handheld instead of risking damage to the vehicles electronics and voiding warranty. You must log in or register to reply here. Forums New posts Search forums. Media New media Search media. Classifieds New listings. Log in. Search titles only. Search Advanced searchâ€¦. New posts. Search forums. To anyone looking to acquire commercial radio programming software: Please do not make requests for copies of radio programming software which is sold or was sold by the manufacturer for any monetary value. All requests will be deleted and a forum infraction issued. Making a request such as this is attempting to engage in software piracy and this forum cannot be involved or associated with this activity. The same goes for any private transaction via Private Message. Even if you attempt to engage in this activity in PM's we will still enforce the forum rules. Your PM's are not private and the administration has the right to read them if there's a hint to criminal activity. If you are having trouble legally obtaining software please state so. We do not want any hurt feelings when your vague post is mistaken for a free request. It is YOUR responsibility to properly word your request. To obtain Motorola software see the Sticky in the Motorola forum. The various other vendors often permit their dealers to sell the software online i. Please use Google or some other search engine to find a dealer that sells the software. Typically each series or individual radio requires its own software package. One package is for conventional programming and the

other for trunked programming. The conventional package is more reasonable though is still several hundred dollars. The benefit is you do not need multiple versions for each radio unlike Motorola. This is a large and very visible forum. We cannot jeopardize the ability to provide the RadioReference services by allowing this activity to occur. Please respect this. JavaScript is disabled. For a better experience, please enable JavaScript in your browser before proceeding. Thread starter Familee Start date Jan 10, Tags antenna advice. Familee Member Premium Subscriber. Bought parents a mobile CB and connected it in their home Having trouble getting anyone We tried " whip We then bought a fiberglass segmented unit I think its over 20' that sits on a tripod Not getting much if any reception. We tried RG-8 as well about 30' Wasn't sure if that was too long for the radio Was wondering also if cable itself is suitable ground or do I need to run a separate ground out to the base, Not for lightening protection but performance enhancement. Even tried it on a president Lincoln 2plus and not reaching anyone. DaveJacobsen Member. Joined Oct 24, Messages 56 Location Moving CB is pretty quiet normally. Receiving can be done with just about any antenna, but transmitting requires tuning, and it sounds like you're just sticking a mobile antenna in the air and hope it'd work. Again: Receiving antenna doesn't really matter, transmitting you want a tuned system. Thanks for the feed back, I really appreciate it. Thanks again!!!! Joined Dec 22, Messages 4, Make one from wire. You might do better with a CB Ground plane antenna. What is the VSWR? Does the radio have SSB? That is best. Does that sound correct Is there a prefab ground plane that can lay on a concrete patio? I prefer not moving it to the grass I was trying to keep on a patio. Do you have a mobile setup you can try to see what kind of range you can get? I would expect at least a few miles depending on skip and local interference. If your not getting any range to your own mobile like less than a mile then something is probably wrong with the antenna or coax. I will have to do a test and see how far I can get. Joined Jul 10, Messages Without a "groundplane", "mirror image", "counterpoise" or whatever it wants to be called, your " won't work very well no matter which radio or coax you use. Angling the radials downward close to 45 degrees may help with matching the feedpoint impedance to your 50 ohm coax. Google will lead you to all the info you could need for homebrewing such an antenna. Lots of smart folks here can help also. Properly done it will work quite well and radiate more efficiently than the store bought antenna. Maybe you can return the Redman. CB is by no means dead in your area. A large portion of which are some nasty folks. Good luck. Last edited: Jan 11, Familee said:. WB9YBM said:. Well, the whip sounds like you bought a mobile antenna and in general mobile antennas don't perform as good as base station antennas, so you might want to look into one of those. Also when you mentioned "a fiberglass segment"—segment of what? Copper Electronics. This was installed on a tripod 5' tall and a mast another 4' above and then the 18' antenna so I achieved about 27 ' above ground. Thanks Wow That high? This way I can do the wires scratched into the surface of the ground? Thank you for the advice. Familee, Roof mounts, gable mounts, etc. But they need to be done properly and with some research and planning ahead of time. There are some factors such as wind load of antenna, safety grounding, structural integrity of mounting location, and more that you should consider beforehand. It's not as daunting as it sounds but needs to be considered. Loads of info on the WWW to help you. A read through of the Amateur Antenna forum here on RR is also a great source, lots of intelligent, experienced folks there. Above all and most important is being aware of and staying well clear of power lines that may be near by. Way too many people have died while installing antennas. Never mount an antenna of any kind that can fall on a power line if something fails. So many died that the FCC banned the retail sale of metal base station antennas for 11 meters CB years ago. Doesn't mean you can't homebrew though. Best of luck. Homebrewing antennas that work well can be a lot of fun. Familee, A couple extra thoughts I should have included earlier. If you go the route of using a second " whip to make a dipole you wont need any radials or RF grounds. Have made a dipole this way and it worked quite well. Can be mounted horizontally rather than vertically which is sometimes easier to do and to get the coax to it. Mounted horizontally will work very well for longer distance DX but may slightly effect local comms but that might help with the neighbors we spoke of. Vertical dipoles work fine also but are trickier to run the feedline coax to. Another type of antenna that's mostly looked down on by CBer's are dipoles made from simple electrical wire. They're super easy to make and install and work very well. Better in fact than a lot of the commercially available CB antennas. When conditions allow I make contacts hundreds and more miles away on a wire dipole. My current wire is only 17' above ground and one day last week I made contacts in the UK from the Midwest. Talk about fun! Joined Dec 19, Messages 1, The " whip exists because it's supposed to be mounted to a large spring which gives it the required " electrical length. Using a " whip alone won't work well because it's too short. One small nitpick back. I have broken the "spring rule" for years using "ers for mobile and for horizontal dipoles and they worked very well. They also looked very good on antenna analyzers.

Those extra 6" make it resonant way down in 26MHz. Stop the myth. The end length of the antenna will depend on the ground plane and other surroundings. Shorten the whip a little and de-tune it and the resonant frequency will move up some but the impedance will also raise up and closer to 50 ohms at the same frequency because you have reduced some capacitance between the whip and ground plane. Go the other direction with an insufficient ground plane and lengthening the whip will add capacitance to the ground plane and lower its impedance. This is also why you see some ground planes with the radials drooping downward away from the whip, it lessens capacitance between the whip and ground plane bringing the antenna impedance closer to 50 ohms with the correct length whip to resonate at 27MHz. With all due respect Prcguy, the OP that I was trying to assist had a " he was attempting to use for a base antenna. You must log in or register to reply here. Register a free account today to become a member! Once signed in, you'll be able to participate on this site by adding your own topics and posts, as well as connect with other members through your own private inbox! Log in Register. Search titles only. Search Advanced searchâ€¦. Forums New posts Search forums. What's new New posts New profile posts Latest activity. Members Current visitors New profile posts Search profile posts. Email Subscription. Everywhere Threads This forum This thread. Filters Search. New posts. Search forums. JavaScript is disabled. For a better experience, please enable JavaScript in your browser before proceeding. You are using an out of date browser. It may not display this or other websites correctly. You should upgrade or use an alternative browser. Where are you all mounting your CB's? Thread starter azrebel12 Start date Mar 24, Patsy Spends too much time on here. Install the mic anywhere you like. Gives you tons of flexibility. Patsy said:. Hi guys, the problems with laying a cb down like in the console is 1st you can't see the front screen to make adjustments or select channels and the build up of heat can be an issue. Most all offroad groups use cb radios unless they run MURS radios or dedicated race radios but cb is the oldest and most used main or backup if people in the group do not own the more specialized radios. I get 10 miles from my house and lose cell reception. Joined Nov 10, Messages Reaction score Location lancaster, pa. On a side note, I'm surprised anyone even uses CBs much anymore. I guess if you get out in real remote areas, just want to party line surf or don't have a smart phone. I remember when we were kids everyone had their own handle even if you didn't own a CB, because someone you knew did. ZombieSlayer Active Member. Joined Mar 10, Messages Reaction score CB sits upright in console right behind the phone charger, uses a 90 degree elbow on antenna connection to save the wire Last edited: Mar 27, I don't have that center console Since I now have most of tomorrow off I can mock up a couple of locations. Fornstar Active Member. Wanting to put one in my truck also. I dont need it, but have always enjoyed having one. As of right now I am not sure where to mount one that will not be in the way. Yeeyee Member. Custom mini dash panel. Yeeyee said:. Rick Active Member. Only thing that needed to be mounted within reach was the mic. I installed the box inside the glove box and ran the antenna wire there. I had it rigged up something like this although not blocking a vent. There seems to be enough room to mount the box under the steering column in the Ram. You also have a fuse panel down there for tapping power. Are CB radios still a thing? Thought they went out after the invention of the cell phone??? Last time I used a CB radio was in the early 80's. Shootin' Nuke Member. Good thread. I'm another believer in CB radio. I keep a small rig with a magnet mount antenna in my work car Ford Fusion and it comes in handy quite often. Has anyone seen a "no-drill" hood channel mount for antennas? I'd prefer to use a fixed antenna mount over a magnet mount. JayRam19 Active Member. Joined Dec 1, Messages 32 Reaction score Sry for the night image. You must log in or register to reply here. Users who are viewing this thread. Site Vendors. Log in. Forums What's new Log in Register Search. This site uses cookies to help personalise content, tailor your experience and to keep you logged in if you register. By continuing to use this site, you are consenting to our use of cookies. Accept Learn moreâ€¦. CB radios are great for communication in remote areas. If you are taking your Jeep Wrangler deep into the woods, then getting one of these radios installed is going to help you immensely. But you might not find instructions on how to do it since not many people use CB radios anymore. This is why we have prepared a step-by-step guide for you. The steps have been kept simple so that you come across no issues while following them. The first thing you need to do is picking the best CB radio for Jeep out there. However, a CB radio for off roading will do as well. Locate the two upper right bolts, remove them, and sandwich the antenna mount in between the tire carrier and the bolts. If you have a pair of antennas at hand, it would be best for the antenna and the coax cable to be attached through the antenna mount at this point. Make sure to feed the coax cable through the grommet in the tailgate. At this point, remember to remove the plastic piece inside of the tailgate to expose the wires, so that they can be reached without any hassle. At this point, you can start tucking the cable in, from around the back, and the edges of the car to all the way in the front. When you reach the front of the car, you have to

place the end of the cable by relying on the intended placement of the CB Radio itself. Once the CB Radio is mounted onto the designated spot, make sure to attach the cable to the back of the radio. Once that is done, both the radio and the antenna will be thoroughly functional. This whole process of installing the CB antenna should not take more than half an hour, especially if you are prepared to install the CB antenna with all the required parts at hand. This process also happens to be the easiest way of installing the antenna. Hence, everything should get set up in almost no time! If you come across any problem while installing the CB radio , let us know in the comments. Our team of experts will try to come up with a solution as soon as possible. Or you could main to us as well. Save my name, email, and website in this browser for the next time I comment. So here we go, pay attention! Step 1 The first thing you need to do is picking the best CB radio for Jeep out there. Step 2 Locate the two upper right bolts, remove them, and sandwich the antenna mount in between the tire carrier and the bolts. STEP 3 If you have a pair of antennas at hand, it would be best for the antenna and the coax cable to be attached through the antenna mount at this point. STEP 4 Make sure to feed the coax cable through the grommet in the tailgate. STEP 5 At this point, you can start tucking the cable in, from around the back, and the edges of the car to all the way in the front. Conclusion This whole process of installing the CB antenna should not take more than half an hour, especially if you are prepared to install the CB antenna with all the required parts at hand. Best of luck to you! Click Here to Leave a Comment Below 0 comments. Leave a Reply: Save my name, email, and website in this browser for the next time I comment. Read more From all of us here at CB World, we wish you the very best. Contact CB World! CB radios have long been a mainstay for truckers, but they're also popular with off-roaders, RV owners, and motorcyclists and hobbyists. CBs are useful in keeping groups of individuals organized and in contact during events, such as those enjoyed by "wheelers. Also, some drivers still use CBs to identify speed traps, even though radar detectors have largely taken over that task. Using your CB could help you find an alternate route in a traffic jam, warn you of road blockages ahead, get you real-time weather reports and severe weather warnings, and get you assistance for a mechanical breakdown or medical emergency. On long solo trips, the CB can be the faithful companion that keeps your interest, making the miles fly by, while also helping you stay awake and alert. Once you've decided to get a CB radio, selecting one that is within your budget, will meet your communication needs, and is suitable for your vehicle are preliminary steps that can affect the CB radio installation , set-up and hook-up. In one way, all CB radios are the same, no matter what you pay: they come standard with four Watts of power. There are three general types of radios based on their intended use, including: base stations for a fixed location; mobile radios for installation on vehicles, and handheld CBs. For the all-in-handset radio, there are only two options. The popular 75wxst is the only true all-in-handset. Also, the Midland comes with a mobile adapter that allows it to be used as an all-in-handset radio. No matter what the type, manufactures distinguish various models of radios by including a variety of features, such as:, When you've decided what features you need and want in a CB radio, another thing to consider is the size of the unit. Consider the space you have available in your vehicle for your CB radio installation. Jeep owners. In addition to size, there are other factors you'll need to consider when selecting the best location on your vehicle for your CB radio installation. As in real estate, finding a good location matters. Most important, you'll have to be able to easily reach your radio's buttons safely while you're driving. That means mounting the radio in or on the dash might be the best place for accessibility. You could mount it under the car seat, but then you not only wouldn't be able to reach it easily - you couldn't even see what channel you're on or any of the other functions. Also, don't mount the radio behind objects such as the steering wheel that would block your view, or where it will be in the way of the driver, passengers or the movement of the seats or oops the gearshift. Make sure that the radio would not damage an airbag that deploys. Some folks mount their radio above the rear view mirror, but then the mic cord might hang down, distracting the driver. Or, even worse, the mic could spring free, hitting the driver. So, be sure that you have a good mic mount, such as: an adhesive mic mount ; or a magnetic mic mount. Be sure to mount your radio in a spot where it won't be rained on, get grimy, kicked or bumped, or have sodas spilled on it. Also, protect it from the sun, either by mounting it away from the sun or by making a UV protective cover for it. Last, but not least to many people, is mounting it where you won't have to disfigure your new or classic car with unsightly screw holes. Other aesthetics include considering the color of the radio, using a black mounting bracket for better style, and matching the radio's lighting scheme to your dash colors. CB Radio Magazine put together a helpful resource including pictures of different mounting locations. After you've made your purchase and have decided where to place your radio, you're probably wondering how to install a CB radio. Of course, you can have it professionally installed by a CB shop, but with simple tools, time and some patience, you can save money by installing your

equipment yourself. Smaller radios can be installed in the dash or with the U bracket in the box. Vehicles such as Jeeps need a radio with a smaller footprint. Larger radios need to be installed with the bracket. For a good source for DIN in dash radio mounting hardware, check out our mounts and brackets page. Also, a lot of people seem to like the hump mounts. If you do, you risk damaging or destroying your radio! You'll find a great selection of antennas on our mobile antennas page. If you prefer a low profile antenna, the Walcott short 2 foot antenna that looks about the same as a car antenna is available for motorcycles , pickup trucks and cars. On a car, the best place is on the middle of the roof - unless you have a fiberglass car or a sunroof. That way, your roof serves as the antenna's ground plane to provide good signals in each direction. Other locations, not quite as good, include: your trunk, fender, bumper or the mirror mounts of an RV or truck. Some of these installations require holes to be drilled into your roof, trunk or fender, which require rustproofing and weatherproofing. A less invasive installation can be done using magnetic mounts , but the magnet must be strong enough to secure the antenna even at highway speeds. The ground plane surface is a major consideration when deciding where to place your CB antenna. Ideally, the best place is in the center of your roof. Roof mounted antennas provide the best ground plane and a degree radiating surface to transmit your signal. However, most people don't want to drill holes in the center of their roof. The next best location is to mount the antenna on the fender or trunk. Examine your vehicle to determine the best location for the antenna to be mounted where it will have the most metal surface to radiate from. Keep in mind that when you mount your antenna on the edge or side of the vehicle a degree radiating pattern will not be achieved. The transmission of the signal will be limited on that side of the vehicle. Example: If you mount an antenna on the front driver side fender, your signal will not transmit well to the front right of the vehicle where the antenna has no ground plane. The signal will transmit very well to the back right of the vehicle. To achieve the best performance an antenna mounted in the fender should be at least six inches over the roof, which enables additional ground plane surface for transmission. Some antennas, including center- and continuous-loaded antennas don't include mounting hardware or cable. Others come with complete kits that include: antennas, cable and hardware. If yours doesn't come with a mounting kit, get stainless steel or weather-coated metal antenna mounts. There are a variety of mounts available. People use dual antennas because they co-phase, changing the radiation pattern by forming two overlapping figure eights, thus increasing transmission strength to the front and back. This is a benefit because CB users usually want to talk to those in front or behind them rather than to quickly passing oncoming traffic. When installing two antennas, they should be about six feet apart. Both antennas require sufficient ground plane, grounding, a sturdy mounting hardware and good quality coax. When you consider how to hook up a CB radio, be sure to use thickly insulated coaxial cable coated to protect against the weather, such as the RG or RG cable , and stainless steel or metal connectors such as the Motorola type or PL which has a large connector. Now, how to wire a CB radio - that means that you'll need to run your coaxial cable from the antenna to the CB radio plus provide a source of power to run the radio. How you'll do that depends on your vehicle. You may need to run cable from the trunk lid through the back seat, then under the doorframe and window pillar or the dash and firewall. You have a couple of options to provide power to your CB radio: directly connecting it to the vehicle's battery or using the cigarette aux plug. Things to consider are making sure to have a fuse in the power line before the vehicle firewall and ensuring that your CB radio is turned off preferably automatically when the car isn't running. For instance, using a cigarette plug may allow the power to be always on, quickly draining the battery. Connect the red wire directly to the positive side of the battery or to a connection on the fuse box that is always on. Any other location with good electrical contact will also work. To complete your antenna installation, you need to do a CB radio setup, and the logical first step is to use an SWR meter. An SWR meter, whether built-in or in a separate unit, will also help you determine where to mount your antenna. If you have a separate SWR meter or other devices between your radio and antenna, you need to use a coaxial cable jumper. Your goal is to bring the SWR ratio as close to as possible, and you can move your antenna around until you locate the best spot to install it on your vehicle. Move your vehicle to a spot with no obstructions. Calibrate your meter according to the instructions, and test the SWR by pressing the key on channel 1 and then channel Note that a reading of over can damage your CB's health. Check out our video below on tuning a number of different types of antennas. This video also illustrates what to do if your antenna is too long or too short. You can save a lot of money by installing your own CB on your motorcycle using common tools you probably already have. You'll need an inexpensive CB antenna such as the Midland that's designed for motorcycles, as well as a place to mount it on the rear end of your bike. Also, don't forget about the in-helmet headset. The customer is using the with the mobile adapter. The mount and antenna were installed on the passenger side front fender. The

customer reports, "Installing on the Hyundai Santa Fe required some bending of the bracket and even then it will result it some hood contact. If the mount was slightly thinner this would be avoided. You could always ask a knowledgeable friend if one's available. If you don't have anyone available to you can look for additional information in our technical library. About Us. Store Links. Customer Service. Get advice, hear about specials, and much more when you follow us on social media! Do you have questions? My Account. Track My Order s Anti-bot validation. Sign in Register Email Address. Password Forgot your password? Register for a new account. Anti-bot validation. Sign in. Remember me. Cart Checkout Cart Checkout Cart is empty. Cart is empty. View Cart. By Type. By Brand. By Vehicle. Antenna Parts and Accessories. Microphone Parts and Accessories. Radio Parts. Choosing a Radio In one way, all CB radios are the same, no matter what you pay: they come standard with four Watts of power. No matter what the type, manufactures distinguish various models of radios by including a variety of features, such as: NOAA - The National Oceanic and Atmospheric Administration provides up-to-date weather reporting, and some radios can receive local NOAA stations. RF Gain - allows you to adjust the radio's reception sensitivity. It acts as a filter to eliminate background radio noise from weaker signals to allow more clarity for stronger signals. It's especially useful with the heavy radio traffic in urban areas. Squelch - Another way to control reception is squelch, which is included on almost all radios. You use squelch control to eliminate the background static noise between transmissions, while still permitting stronger signals to get through. Public Address PA - You can use radios with this feature as a transmitter for public address systems with the CB radio, a mic and a mounted public address horn. You've heard these hopefully only on TV when the police officer says over the PA: "Step away from your vehicle! Back lit Display - Like on your TV remote control, buttons are much easier to see at night when they are back lit, so this is a convenient feature to have on the CB radio. Where should I mount my CB radio? Installing a CB Radio with Mounting Hardware After you've made your purchase and have decided where to place your radio, you're probably wondering how to install a CB radio. Here's a video that explains how to install a CB radio in a Jeep:. Customer Service About your order Wishlist Comparison list. Shop With Confidence. Enter your email to receive special offers and news! Email Address. Read more From all of us here at CB World, we wish you the very best. Contact CB World! This is a very general guide on how to install a CB antenna. There are many factors that will affect your specific installation. The basic steps for every installation are the same and we will outline them here. This should be done before you ever purchase an antenna. The equipment you need is dictated by where you intend to install the antenna. Need help selecting the right antenna? Check out our Help Center article about Antenna Selection. Here are some tips regarding antenna location:. This process can be anywhere from very simple to very complicated. A magnetic mount just sets on the roof. A door jamb mount requires measuring and drilling and adjustments to get the antenna vertical. Follow the instructions for installing your mount as closely as possible if it came with any. Also, make sure that you have all of the proper components to attach your antenna mount to the coax. For example, some mounts come with a stud that will require the ring terminal connector on your coax while others will require a PL connector on your coax. Another option might be the FireRing. See an example of each here! Firestik offers some great pictures showing proper FireRing installation with regards to the antenna stud and mount. If you have ever installed stereo speakers for your vehicle, you will be familiar with this step. You want to get the cable from your CB antenna to the CB radio with as little of it showing as possible. There are tons of tips and tricks for running cable through a vehicle online. My advice is to look for information on running speaker wire. Car stereo installers are wizards when it comes to this stuff. Here are some tips from our experience:. It will help to optimize the antenna system and ensure that you won't damage your radio. Please tune your CB antenna during installation and before transmitting with your radio. Tune it every time you move the antenna, add a spring or quick disconnect, modify your vehicle with a large metal component, hit your antenna on something, change your coax length, switch to a different mount, and more. You can find a link to an article on CB antenna tuning here. It is essential in getting the best performance out of your setup. Some radios have the meter built into the radio but many do not. Don't be intimidated by this process- it is fairly easy once you understand it. Here are some links to our Help Center to assist you with the tuning process:. One of our brilliant customers found a unique way to mount a 2 ft Firestik on his Honda Civic. The customer had originally purchased an MKR trunk lip mount , but didn't like the look of it. Rather than sticking with the mount, he drilled a hole in the trunk and mounted the CB antenna with a Firestik K4 stud directly to the lid. The result looks pretty good. To get at it with a wrench, he ended up cutting the metal back a bit. A Firestik coax with a Fire Ring connector was used to connect the antenna to the radio. In this case, a swivel mount, like the JBC , could be useful if you want to have the antenna vertical. I had to cut some

metal with dikes and peel it back. I used two wrenches to tighten the mount down. It looks like any GPS antenna, just taller. About Us. Store Links. Customer Service. Get advice, hear about specials, and much more when you follow us on social media! Do you have questions? My Account. Track My Order s Anti-bot validation. Sign in Register Email Address. Password Forgot your password? Register for a new account. Anti-bot validation. Sign in. Remember me. Cart Checkout Cart Checkout Cart is empty. Cart is empty. View Cart. By Type, By Brand, By Vehicle. Antenna Parts and Accessories. Microphone Parts and Accessories. Radio Parts. Choose A Location This should be done before you ever purchase an antenna. Here are some tips regarding antenna location: The best place for your standard antenna is the center of your roof, where you will have the greatest ground plane coverage. When you install a CB antenna on the fender, bumper, or anywhere else around the edge of your vehicle, you will have a weaker signal going away from the vehicle. For instance, if you install it on the front, driver's side fender you will have a weaker signal out to the front left of the vehicle. You need to have the coil for a CB antenna above the roof line of the vehicle. You want your antenna to be as tall as possible without smacking over passes or other obstacles. Install the Antenna Mount This process can be anywhere from very simple to very complicated. Shoot us an email if you are unclear about anything. Route the Coax Cable If you have ever installed stereo speakers for your vehicle, you will be familiar with this step. Here are some tips from our experience: Get a cable with a removable PL if possible. Running the coax without that big connector on it is much easier. Figure out a path that will leave you with a little slack as possible. Avoid alternators or other things that will create noise in the line. If y

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 ou are experiencing noises, check out our Help Center atrticle about Reducing Noise Interference. Don't shorten the coax. Coax is designed at specific lengths for CB antennas- you will notice that most coax comes in increments of 3 feet. We typically recommend 18 feet of coax even if you don't think that your application needs that much coax. Many antenna manufacturers somewhat pre-tune their antennas using 18 feet of coax. For example, if you use 9 feet instead of 18 feet, you may need to make additional changes to your antenna during the antenna tuning process. Properly store any excess coax in a figure 8, about a foot in length, and bound in the center- it should look like a long, skinny 8. This is important! Do not store your coax in a coil as this is basically creating another antenna coil and will likley result in high SWR readings. Customer Service About your order Wishlist Comparison list. Shop With Confidence. Enter your email to receive special offers and news! Email Address.