Jon boat wiring

When you buy a new Jon boat it is usually just a shell. But even after you have bought a new outboard motor to power your boat your job is not yet done. Not only do you need to wire your trolling motor to a battery but if you plan to navigate waters at night you may need to wire up navigational lights as well. If you include fishfinders, search lights and other electronic goodies to your build then the wiring of your Jon boat can start to seem like a messy and daunting task. Not to worry we are here to show you the basics of wiring your boat. If you are ready to do more with your Jon boat than resting on your oars, you will need to add power to your set-up. Obviously the most common component on a Jon boat that requires power is the trolling motor. But depending on the use of your Jon boat there are a wide variety of other components and accessories that may need to be battery powered. Simultaneously connecting a range of items that a Jon boat needs to perform well for recreational boating, angling or hunting requires some basic electrical knowledge as well as a sound and logical approach to wiring your boat. There are various approaches you can take for your Jon boat wiring set-up, and the approach you take will depend on your resources, the equipment and tools you have to hand and the functionality you want to achieve. The most important thing to keep in mind before you start any electrical work on your boat is that electric is dangers even from a relatively small 12 V battery. This is never more important than it is on a boat where you will be surrounded by water. Untidy, piecemeal patch wiring jobs are dangerous and carry the risk of damage to your equipment, can start fires or even cause bodily harm or a fatality from electrocution. So, it is critical that you get the wiring of your boat right. We have provided this information to give you an approach for wiring your boat effectively. We strongly advise calling a professional marine electrician or surveyor if you feel out of your depth and also to use an electrician to review and ensure that the work you have undertaken yourself is electrically sound. In this article we will outline key points and principles for basic wiring of your Jon boat with inclusion of a control panel to keep everything organized. However you need to be aware of how to insulate and protect your electrical wires and connections before you begin. We have included a video for wiring a Jon boat and several electrical wiring diagrams as well as links to some excellent additional resources These will assist you in accomplishing this task more effectively. There is also a list of key pieces of kit that you will need to complete the job and also that will give a more resilient finish to your work. In addition you will need a regular selection of tools including a pencil or marker, wire cutters, pliers, drill, screwdrivers, a heat gun, hole saw and handheld power saw. Wiring a Jon boat can appear to be a daunting task when you first approach it but with careful planning and a good guide you can wire your boat in a single evening. Once you have established your wiring arrangement you can hold all your wiring together using a flexible wiring conduit of appropriate length. You can also use cable ties and cable tie mounts. In keeping with The American Boat and Yacht Council recommendation make sure electrical wires are secured at a minimum of at least every 18 inches. BC-5W2 is specialist marine wire that offers a suitably high level of insulation and quality stranded tinned copper wire within it. This wire is specifically manufactured to withstand the corrosive and abrasive environment experienced on boats. Electrical tape, sleeves, padding and seals can also be used to insulate and protect your wiring, especially if it is run behind the ribs of the boat. This is a relaxed run-through of the key steps you need to take to successfully wire your Jon boat. If you are used to DIY projects on your Jon boat, wiring is going to be a task you will have to encounter at some point. Despite the apparent simplicity of Jon boat wiring, safety is always paramount and getting assistance from a professional or at least a boater who is experienced in marine wiring is prudent. Once you have mastered the principles of safe wiring, the scope of your projects and the performance of your boat will increase massively. Drift boats are iconic rowboats that are were first seen in the rivers of Oregon. They are beautiful boats that look stunning on the water and have multiple uses so it's no wonder they are becoming The drift boat is an iconic shallow water vessel that began its life in the turbulent waters of Oregon. The drift boat was a natural evolution from the ocean dory that was carried on a larger vessel Skip to content. Contents Power is a critical upgrade for a functional Jon boat Stay safe! Continue Reading. For the last several weeks, I have been chasing a problem that has been causing me to lose sleep at night. I finally conquered it by fixing a ground and using isolated power with a heavier guage wire. So I wanted to make a short checklist that might help you if you run into a similar issue. Unfortunately, not all boats have them. For as long as I can remember, however, Ranger has included one in most of their boats. Rather than purely guessing, having that roadmap can be huge when you're tracking down problems. I always use color-coded wire with red for positive and black for negative. This takes a lot the guesswork out of the problem solving. Use high-grade connections and always use dielectric grease and shrink tubing on connections. You should never skip this step because it will save you a lot of trouble over time. A good set of powerful crimpers are an excellent investment, too. Liquid tape is another inexpensive purchase

that can protect against shorts. Always tighten battery terminals snugly on the battery posts. A good rule of thumb is to put the smallest leads on the bottom. Use the box-end of the wrench when tightening as it is less likely to slip and bloody your knuckles. A loose connection can cause a short or more resistance and which will keep your battery from performing optimally. Loose leads can use more power and significantly decrease your battery life. Always hook up the positive lead first, too. I also replace all wing-style nuts with nylock. They hold much better and are less susceptible to loosening due to vibration. They are inexpensive and can solve a problem quickly. Battery power is DC, or direct current, so set up your meter for that. I also have a battery load tester, too. These can point out a bad cell quickly and save you a lot of time. A good group 27 or 31 battery is the best choice to power them and I strongly ecommend a deep cycle over a starting battery for this application because they hold a longer charge. If it gets snug during the pull, back up and re-pull as nicks and scarring of the shielding can cause problems down the road including dead shorts. Never pull zip ties into a chase. Use ferrite rings or RF coils around electronics to dampen radio frequency interference. Load requirement and distance from the battery will help determine proper gauge wire and fuse requirements. For example, a trolling motor on a foot boat should have 4 or 6 gauge wire for best battery utilization. Every problem cannot be solved with this checklist, but it will give you a good starting place. Study schematics, never be afraid to attempt the job and if necessary, enlist expert help in the form of a reputable dealer or manufacturer and you can cut the down time significantly. Boat owners should never cut corners on wiring jobs. Photo: Terry Brown. Not only will your equipment not work, but bad wires can result in a fire. A limited amount of zip ties is the best choice as they can snag if wiring need to be worked on. Boats and Maintenance. In a boat, electricity is stored in one or more batteries. They can hold an enormous amount of energy, capable of pushing hundreds, or even a thousand amps more than your entire house uses â€¦ so care must be taken, and proper circuit protection should not be ignored. Greatly generalizing the topic here, but you usually run into two types of batteries in the size of boat we deal with:. Batteries have a positive and negative. For current to flow which does the work a complete circuit must be made from positive back to the negative. A normal battery might have AH amp hours of capacity. Meaning it can run a 1A load for 70 to 80 hours, or a 10A load for 7 to 8 hours before it is discharged. Much appreciated. Have an awesome holiday! In nearly all cases your boat wiring system should have a marine grade main battery disconnect switch. This allows you to open the switch turning everything off at once. Both battery positives are ran through this switch, and you can use it to select which battery you want to output, similar to an A-B switch. But a BOTH marine battery switch also allows you to parallel both batteries. The both setting might be used when you are running your engine and want to charge both batteries from the alternator, or if you need to parallel the batteries in an emergency to help start your engine if your start battery becomes too depleted. I allows your house and start battery to remain isolated except for emergency conditions. Used to shutoff everything and prevent trickle charges from draining your battery. This way, even if your battery switch is off, if your boat starts filling with water the pump will still kick on. Notice the fuse shown â€" this needs to be circuit protected with an inline fuse like this one. We have an in depth article here on how to wire a bilge pump â€¦ check that out as well for more details. It looks great and using your tutorials I have been able to rewire my 10 year old center console. The support I received from New Wire Marine went above and beyond. Thank You! The next step is to get the power from the house battery up to the switch panel where we can use it to do some good. Two conductors â€" a positive from the battery switch with a fuse and a negative from the ganged together battery negatives should be ran to where the central switch panel is. You should use marine grade primary wire for this. This is sometimes a long wiring run on a boat. Plus these two conductors will carry the current of all your electrical loads combined, so they are typically fairly beefy cables. Prevent voltage drop by using larger cable. The power cables will be run to your New Wire Marine custom marine switch panel and your tinned marine negative bus bar. The main house battery positive conductor will feed directly into the new switch panel. They asked the right questions and provided great solutions! This is meant to land on a terminal block like this one. Each switch output gets its own gang on the terminal block, and with the labels right there it makes a handy breakout point for troubleshooting or adding items down the road. This is how one of our fully wired switch panels would interface with a terminal block. From here the rest of the wiring is straightforward. Just hookup your existing boat wiring infrastructure to the terminal block and buss bar. Positives to the terminal block, and negative to the bus bar. Most are terminated with standard 8 ring terminals. The positives of course must be installed on the correct gang associated with the respective switch for that load. The negatives can go on any screw on the buss bar, they are just trying to get back to the negative post on the battery. Wiring A Boat eric steele T A few notes before we start: Positive wires are red in our guide, your

emergencies. Never be caught without one. Check out this this submersible bilge pump. Equip your boat your boat with the latest Bluetooth technology,. Many modern waterproof boat speakers can be heard over noisy engines and at long distances. With universal compatibility, inbuilt rechargeable batteries and being fully waterproof a bluetooth speaker for your Jon boat can make your time on the water even more enjoyable. Check out these 6. Anyone who has ever been in a Jon boat and sat on the original hardwood benches will tell you that they are far from being comfortable. Seat mounts go a long way in helping to increase your line of sight and with the ability to swivel you have access to a degree view. The seat mounts are solid and fit a wide-range of seats. Seat mounts an absolute must for hunters and anglers. Amazon offers a great range of seat mounts but we think this one offers teh best value fro money. On a Jon boats storage space is usually at a premium. A boat trunk, like this one , usually features an impressive design and provides ample space for important equipment or just your personal belongings. A boat trunk is durable, lightweight and convenient to carry onboard taking up very little space. Get in a good arm workout with these solid oars. Streamlined to make your rowing experience easier. These oars come as a pair and are made from glass filled polypropylene blades. Oarlocks are included. Be sure to get the correct type of oarlock sockets that can be used in both freshwater and saltwater environments without fear of rusting. This cool emergency telescoping paddle could be exactly what you need when your motor fails. Weighing in at just 1 lb. To get your boat from land to water the easy way get a boat trailer. Simply mount your boat onto a specifically designed boat trailer when heading to and from the water. Here is a great quality low priced Jon boat trailer. Keep you trailer safe with a safety trailer lock. These easy to use locks features a cutting edge innovative design that keeps your trailer hitched in place. Keep your trailer securely locked in place with a cheap, but effective, trailer lock. This trusted brand is able to work on a variety of materials from ceramic, glass, metal, PVC to wood. For all your wiring insulation, This cheap wiring tape gets the job done right. Made from an adhesive sticky rubber resin, this tape has good stretch and provides a long lasting insulation solution. It is s. This float tube adapter is fabricated from an excellent and durable material which allows the adapter to be used in and around water. Here is a reliable set from a trustworthy brand. Buy a couple of packs of line and keep on board in your supply kit. This manual downrigger counter counter allows you to spool your line onto the reel efficiently and quickly. This Big Jon ball cradle is the perfect cannonball holder, which enables you to mount any downrigger. Simply slide the attachment onto this gimbal mounting base. This compact, easy-stow and deploy motorguide is a must for any modern boater. This motorguide is accompanied by a handheld wireless remote and has autopilot for easy navigation. It also has a handy battery meter. Check it out here. This trolling motor prop protector is designed to help keep your boat cover safe from tears that may occur when it rubs against sharp corners. Only a heavy-duty high grade vinyl material like the one used to fabricate these prop protectors would do. These trolling motor prop protectors are available in a range of sizes to fit 2 and 3 blade propellers. This trolling motor nut does just that. It significantly reduces prop noises and associated vibrations. It also features a cooling system which decreases the operating temperature of your trolling motor, thereby prolonging the battery life. The equalizer comes with an instruction manual that makes operation easier. This excellent unit comes with 2 equalizer trolling motor assist air pistons made from marine-grade stainless steel. The pistons will attach to almost any motorguide gator mount. Equipment that should be stable bouncing about the boat. Not a chance! At least not with these T-H Marine bounce buster coasters. Bounce buster coasters help you protect your deck from all bounce buster damage and keeps equipment locked in place. You never know when your engine will fail due to a flat battery. You can never go wrong with this Wagan iOnBoost V10 Lithium jump starter and battery bank Both compact and lightweight it is small enough enough to carry and store in an onboard storage compartment great for your road vehicle too. This mustang survival inflatable safety vest is designed for the lake and ocean racer. Want to post your underwater footage to your social media platforms or just boast to your buddies about your watery experiences? Capture underwater footage with this 16MP underwater camera. Boasting an impressive 4K resolution, and able to reach depths of up to 40 meters feet. These classic aviator sunglasses have a specialized multi-layer lens designed to filter and block over These sunglasses have tough, lightweight, scratch resistant lenses for high optical and distortion-free vision, making them an excellent choice for water activities. This Inflatable fender is a very cheap way of protecting your Jon boat. Drift boats are iconic rowboats that are were first seen in the rivers of Oregon. They are beautiful boats that look stunning on the water and have multiple uses so it's no wonder they are becoming The drift boat is an iconic shallow water vessel that began its life in the turbulent waters of Oregon. The drift boat was a natural evolution from the ocean dory that was carried on a larger vessel Skip to content. Continue Reading. So, what size battery do I

need for my jon boat? Generally speaking, the bigger the battery you can get, the better. Putting a marine-specific battery in your jon boat could be done for any number of reasons. There are a lot of marine-ready batteries out there that can be used for many different purposes. Apart from jon boats, some use them for powering sailboats, yachts, dinghies, and even pontoons. Either way, if you can afford it, you most definitely want to get a big battery. With that in mind, there are some questions you should ask yourself before diving into purchasing a battery for your jon boat, including:. These are certainly the most important questions you should be asking yourself before purchasing a jon boat battery. There are a lot of different batteries out there to choose from and being able to answer these questions should allow you to make a better choice as a consumer. Consider looking at a group size of about 35 and up. Batteries are generally measured in amp-hours, which is what you need to look at when matching the power you need with the power your battery generates. A good way to go about figuring out the right amp-hours for your next jon boat battery is to turn everything on in your jon boat and measure the current amps running from your existing battery. Also, make sure you take a measurement of the current when you start up your engine to see any spikes that occur. This is important when choosing the right size battery for your jon boat. Be sure to check the average as well as the extremes to get an idea of what you may experience when out on the water. Another important aspect of choosing the right battery for your jon boat is to consider how much space you have available on your boat. A battery can get mighty big depending on the size of your jon boat and will definitely take up some space. If you plan on powering various accessories in your jon boat, you want to get yourself a marine deep cycle battery. However, there are several other types of batteries to consider, including starting and dual-purpose batteries. Deep cycle batteries are specifically designed to slowly trickly current out over an elongated period of time. When running accessories on a jon boat, this is exactly what you should be looking for when it comes to your next jon boat battery. They also offer great performance when it comes to lasting a long time and providing necessary power when there are surges. You can also look at starting batteries and dual-purpose batteries, but the former is less necessary than the latter. Having multiple batteries for a jon boat can be helpful when you need it, which is why you may want to keep in mind having two batteries on your jon boat. Before you do this, you need to make sure the specs of the batteries

automatic transmission parts diagram
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 are similar, especially voltage, but the amps can be different. By putting batteries in parallel, you can electrically add the amps together to get even more energy to your jon boat. Having another battery, even a small one, can be a lifesaver if you find yourself stranded out on the water all alone. Just make sure your spare battery is working properly before heading out on the water. You may get a battery that comes with all of these accessories already, but some may need to be purchased on the side. It can take quite a while to recharge a marine battery since they often hold a decent amount of energy, which is why getting yourself a good recharger is so important. Thankfully, battery recharges are plentiful and relatively inexpensive. Choosing the Right Size Battery for Jon Boats There are a lot of marine-ready batteries out there that can be used for many different purposes. Are you just trolling? What kind of accessories are you powering? Do you have enough space on your jon boat?