Nissan xterra starter relay location

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The starter system in a Nissan consists of the battery, ignition relay switch, starter motor and starter solenoid. If one of these components fails, you Nissan will not start. Fortunately, you can isolate and troubleshoot each component to quickly determine which component is causing your Nissan not to start properly. Connect the black lead of your multimeter to the negative battery terminal on your Nissan. Connect the red lead of your multimeter to the positive battery terminal. Set your multimeter to "20V DC," and measure the output of your battery. If the battery puts out less than 12 volts of power, it may not start your engine. Charge the battery until it reads at least 12 volts of power on the multimeter, and then attempt to start the Nissan. Turn on the headlights on your Nissan, and attempt to start the vehicle. If the headlights do not dim, the ignition relay switch is defective. If the lights do dim, the relay switch is working correctly and the problem is elsewhere. Locate the starter motor and solenoid on the driver's side transmission housing. The starter is mounted to the housing, and the solenoid mounts to the top of the starter motor. Locate the two metal connectors on the back of the solenoid. Both connectors have a wire connected to them. Place the blade of a screwdriver over both connectors at the same time. Signal to the second person to turn on the ignition key for 10 seconds. The engine will not turn over because you shorted out the solenoid. However, the starter motor should turn on. If it does and it makes a smooth humming sound, the starter motor is fine and the solenoid is defective. If the starter motor fails to turn on or it runs intermittently, the starter motor is defective and the solenoid is most likely OK. He has extensive experience working in supervisory roles within the wireless and Internet technologies fields. Silket is pursuing a Bachelor of Arts in business management and network technologies at Lehigh Carbon Community College. Step 1 Connect the black lead of your multimeter to the negative battery terminal on your Nissan. Step 2 Turn on the headlights on your Nissan, and attempt to start the vehicle. Step 3 Locate the starter motor and solenoid on the driver's side transmission housing. Haynes; Multimeter Screwdriver Second person. When you test the starter motor, you are not testing the solenoid. If the starter motor is bad, it is still possible that the solenoid is also bad, however, this is very unlikely. Three problems related to starter have been reported for the Nissan Xterra. The most recently reported issues are listed below. Please also check out the statistics and reliability analysis of the Nissan Xterra based on all problems reported for the Xterra. Got into my car one day and upon trying to crank it , when turning the key it hesitated to crank and finally did so. When I reached my destination, when I left my car would just not crank. No clicks. Lights work fine. Nothing is wrong with security, battery. Just replaced the starter around oct of last year. I have had to replace my starter 3 times in 4 years. I have all of the receipts to show also. I have also had to replace my radiator because of a crack near the cap. I had a hose that goes through my dash with the hot water explode on me and burn my hand pretty bad. My radiator seems to evaporate cooling fluid on a regular basis. I have had a pressure test it is holding pressure. And now my warning bell is no longer working. My battery has gone dead 5 times because no warning sound to tell me I left my lights on. I have replaced my starter 3 times. My brake lights have a short or faulty wiring I'm sure because we have replaced the bulbs several times. I have gotten tickets because of this as a result I have a expired brake tag I cant get a new one because the wiring will cost to much. My uv joint broke while I was driving on the high way. That part they tell me is not a common breaking part. Nissan charges over a thousand dollars to repair that. I'm told my wiring is bad after I replace my starter 2 months ago. They sent me a recall for my column steering and I had it repaired but it still is a slight hassle to change gears. I have received a letter telling me they are buying Nissan Xterra's but when I called the sales man says it's nothing wrong with the Xterra's that's just a sales stunt. I think its a bunch of bull Nissan knows they didn't do a good job with these "s. Car Problems. Starter problem 1. Starter problem 2. Starter problem 3. Other Electrical System related problems of the Nissan Xterra. Starter problems 3. Electrical System problems. Wiring problems. Fuses And Circuit Breaker problems. Do you have the same problem? Should be located on the passenger side of the vehicle, near the firewall. Check out the diagrams Below. Please let us know if you need anything else to get the problem fixed. What is it labelled? Was this answer helpful? See the attached diagrams for details. Images Click to enlarge Was this answer helpful? Up under dash behind fuse panel. Took me 3 hrs to find, next time 10 mins. Here is a guide and some diagram below to help. I'm at my auto parts store and they cannot cross- reference the part on the relay Was this answer helpful? See pic Image Click to enlarge Was this answer helpful? Is it located near the left front fender, Here is a picture of the wiring to help troubleshoot the problem. Please let us know happens so it will help others. Best, Ken Images Click to enlarge Was this answer helpful? I was told in the power distrabution box but unable to find. Even the manuel does not show where it is. I need to replace the starter relay and I am having difficulty locating where it is at and the correct part number. Do you, If I read correctly, this is the underhood fuse block. Image Click to enlarge. Was this answer. Where

is the starter relay located? According to the service information, the Starter Inhibit Relay is located on the left front fender area. Images Click to enlarge. See pic also if you have a security system-fac anti theft check this one as it will cause the same problem. Cheers Images Click to enlarge. Do you by chance have a part? I'm at my auto parts store and they cannot cross-reference the part on the relay Was this answer. See pic Image Click to enlarge. Hey Pauldavman, The starter relay is called an inhibitor relay. Best, Ken Images Click to enlarge. Where is the starter relay located. Sir You'll be looking for the starter interlock relay located at the front right fender Was this answer. Please login or register to post a reply. Related Starter Relay Location Content. Sponsored links. Ask a Car Question. It's Free! Intermittent starting issue. Doesn't seem like the starter. Could it be either of the two FL 80A? What is a FL 80A, how do you diagnose a bad one, and where can I buy a new one? G A answered 3 years ago. If they are blown it will be obvious, I doubt they are blown as you are having an interment problem, those either work or they don't, check your main power and ground connections make sure they are clean and tight, especially at the battery terminals, none of that black corrosion. Now when it acts up does the solenoid just make one loud click but the starter wont engage? If so then the points inside the solenoid have been burned away or the contact ring has burned areas on it, some of those were rebuildable, but you have to take the starter off to do that and by that time most people just opt to replaace the starter. GuruTDC2J answered 2 years ago. GuruTL5M3 answered 2 years ago. My daughter's Nissan Xterra had intermittent issues with not starting. Starter was good. Battery charge did not help. New battery did not help. Daughter was repeatedly stranded. While attempting a charge I used the ground negative charge terminal and held it against the intake manifold and had her turn the key. It started. I discovered the ground wire bolt attached to the engine block aluminum was oxidized powdery. This was blocking the electrical current when starting. There is a similar oxidation risk with the starter mount bolt. Check both areas for clean electrical current. Aluminum oxide with not allow electrical current through. GuruNWWD5 answered about a year ago. I've got the same issue. Good battery, lights, dash, radio all work. No engine crank. I've been told it's the TCM transmission control module. I still have doubts before diving into that. The security light is flashing, and that's a new thing. My gut says it's something with that. Frzntndra answered about a year ago. I just bought my son a used Exterra from the dealership. They started it for us and it drove great. It started after 5 minutes. Would not turn over, but I heard what sounded like the fuel pump engage. Are there any updates on weather the grounding issue worked and the car continues to work properly? Car died while pulling into gas station. Assumed I had run out of gas. Filled tank to half full but car still won't start. It turns over but just won't start. Then I noticed a dash light I had never Recently we've had very cold weather in PA. The last two mornings when it was 10 deg or less the heater fan wouldn't work. The first morning it began working after I drove for about an hour. The s So, I got stuck last night for 3 hours because my Xterra wouldn't start. It did it a week ago and a mechanic told us to go out and unlock the trunk then lock unlock the driver side then lock the d I have a Nissan Xterra it was running fine then the battery died put a brand new battery in it but the radio or the lights will not come on and it wont turn over any suggestions? I have a different car. Content submitted by Users is not endorsed by CarGurus, does not express the opinions of CarGurus, and should not be considered reviewed, screened, or approved by CarGurus. Please refer to CarGurus Terms of Use. Content will be removed if CarGurus becomes aware that it violates our policies. What is the problem? My Xterra intermittently won't start Report Follow. Mark helpful. Your Answer:. Upload Photo Photo optional. Related Questions. Start a new Nissan Xterra question. Sell Your Car Yourself With a simple, secure transaction. Get Started. Search Nissan Xterra Questions. CarGurus Experts. Know more, shop wisely Search. Related Models For Sale. Used Cars for Sale. Had a new starter replace 2x on my Nissan Xterra V6 2WD,it's starts sometime and then sometime I have wait few minute. Hello and thanks for writing in. Depending on what the vehicle does when trying to start it may help to narrow this down. If it produces a click sound, this may be related to a faulty starter solenoid. If it is more of a rapid clicking sound, this may be a result of a weak battery that does not have sufficient power to turn the motor over. If there is no sound at all, but power is still supplied to the accessories i. I would suggest having a professional from YourMechanic come to your location to take a look at your vehicle to properly diagnose your starting problem. Sounds like the starter relay is getting hot and is shutting off the circuit to the starter solenoid. Check to see if the starter relay is getting hot and staying hot after attempting to start the engine. If it does, then the starter relay needs replaced as the contact points inside the relay are corroded or damaged. If the relay is not getting hot, then the there could be a loose wire on the starter solenoid or a loose ground wire on the starter base. Check all wiring and cables to the start and tighten them all up. If there is nothing wrong with the wiring or relay, then you may have a defective ignition switch. If you need further assistance with your starter not engaging properly

after replacing the starter, then seek out a professional, such as one from Your Mechanic, to help you. My car has an automatic transmission. Jeff Engstrom Automotive Mechanic. Marvin Sunderland Automotive Mechanic. The statements expressed above are only for informational purposes and should be independently verified. Please see our terms of service for more details. Home Questions. What others are asking How do I jump start the battery in a Nissan Altima? A dead battery is one of the worst nightmares for drivers. You turn the key or press the start button in this case and nothing happens. Read more. The screen next to the speedometer will read "Press Reset for Sys Check. Starter problem Hi There, It sounds like you may have a faulty starer relay or potentially a bad starter. If you hear a clicking sound when turning the key, it is quite likely you have a faulty starter solenoid. This is a Wipers don't turn off on Volvo Hello. This is a problem with the wiper module. The module fails internally and causes the wipers to continue to stay on. I always check for power at the module first to see if it is getting the on signal Dashboard draining battery First, let's determine if the engine is cranking. If the engine is not cranking it could be any one of these issues: weak or defective battery, bad battery cables, ignition switch, starter motor, seized or hydrolocked engine, or other wiring Can I test the starter without removing it? Hi there. If your engine is cranking over, then the starter is working. For the engine not starting when cranking, there are multiple reasons for an engine not to start up. Check the three main elements that make an engine Transmission swap Ford F Hi - the short answer to your transmission swap question is "maybe". There will be a metal tag on each transmission indicating which Car cranks but will not start. This may be related to many different possibilities, some of which may be related to a lack of spark and some of which may be related to a fuel delivery problem or a combination of both. For example, if the Honda accord Hi there: Most of the time, this issue is caused by an electrical relay that has been damaged. It's possible that during your radio swap, this may have caused an electrical issue with your AC system. However, it's also possible Related articles. At times, however, car issues will arise, and every vehicle will display certain warning signs. To reduce the potential for breakdown, and expensive The best selling cars Your Your car is as much electrical as it is mechanical. Wiring harnesses snake their way around the engine bay, and throughout the cabin of the vehicle. Most of your accessories run on electricity, and even the engine needs a Browse other content. Battery Replacement. Electric Problems Inspection. Fuse box diagram fuse layout , location, and assignment of fuses and relays Nissan Xterra , , , , , , , , , If electrical parts in your vehicle are not working, the system may have been overloaded causing a blown fuse. Before you replace or repair any electrical parts, check the appropriate fuses. The fuse panel is located behind the cover in the glove box. Open the glove compartment, pull the fuse box cover to remove it. Necessary cookies are absolutely essential for the website to function properly. This category only includes cookies that ensures basic functionalities and security features of the website. These cookies do not store any personal information. Any cookies that may not be particularly necessary for the website to function and is used specifically to collect user personal data via analytics, ads, other embedded contents are termed as non-necessary cookies. It is mandatory to procure user consent prior to running these cookies on your website. Notice Never use a fuse of a higher or lower amperage rating than that specified. This could damage the electrical system or cause a fire. Never replace a broken fuse with anything other than a new fuse such as wire, foil, etc. Use a

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lways an intact fuse of the same color. Main Page. This website uses cookies to improve your experience. We'll assume you're ok with this, but you can opt-out if you wish. Close Privacy Overview This website uses cookies to improve your experience while you navigate through the website. Out of these cookies, the cookies that are categorized as necessary are stored on your browser as they are essential for the working of basic functionalities of the website. We also use third-party cookies that help us analyze and understand how you use this website. These cookies will be stored in your browser only with your consent. You also have the option to opt-out of these cookies. But opting out of some of these cookies may have an effect on your browsing experience. Necessary Always Enabled. Non-necessary Non-necessary. Accessory Relay Fuse: "4", "5", "6", "7" , Fuse: "17", "18", "19", "20", "21", "22". Ignition Relay Fuse: "38", "48", "49", "50", "51", "54", "55" , Fuse: "46", "47", "52", "53".