Autozone coolant temperature sensor

An engine coolant temperature sensor is essential for the optimal performance of your car. With this information, the engine control module adjusts the air-fuel mixture depending on the temperature. In this article, we will discuss the most common symptoms of a bad coolant temperature sensor, location, replacement cost, and how to diagnose it. Like every other component, the ECT sensor can also get damaged, resulting in several engine-related problems. Hence, it is advised to have your car inspected right away to avoid any serious problems. One of the first symptoms you will notice is that the check engine light will activate. If you see a check engine light on your dashboard, it is time to check the trouble codes with an OBD2 scanner. A faulty ECT sensor can send a false signal to the onboard computer, resulting in an incorrect air-fuel mixture. For example, a faulty sensor can send a signal indicating the engine is cold when it is not, and as a result, more fuel will be used to heat the engine quickly. Some car uses the engine coolant temperature sensor to control the electric cooling fans. You have two separate temperature sensors for the fans, dashboard gauge, and engine management in most cars. Due to an incorrect engine temperature signal, the ECU may enrich the fuel mixture to a point where the combustion process becomes difficult. The starting moment of a car is very critical when it comes to the amount of fuel getting injected into the engine. If the air-fuel mixture is faulty, you might find your car difficult or impossible to start. This fan is electrically controlled and relies on the signal from the onboard computer. If the fan receives a false signal, the fan might not turn on, causing the engine to overheat. Some vehicles have a separate coolant temperature sensor for the fan, but a lot of cars use the same sensor. Due to a faulty ECT sensor, the fuel mixture will adjust accordingly. This will cause the engine to vibrate or shake when the car is at low speed and lead to other power losses and strange behaviours. The engine is very sensetive to wrong air-fuel mixtures at idle and this is a condition when you might notice that something is wrong with your engine coolant temperature sensor. As we discussed earlier, the engine coolant temperature sensor can have a hard impact on the air-fuel mixture. A bad air-fuel mixture can also cause the engine performance to drop drastically. If you feel that the engine performance is not what it have been before, it may be due to a faulty engine coolant temperature sensor. Coolant temperature sensors are also known as engine coolant temperature sensors or ECT sensors. The principle working of this sensor involves the use of an electrical resistance which measures the temperature of the coolant. These measurements produce essential data for the engine system of your vehicle. The readings produced from the coolant temperature sensor are transmitted to the engine control unit , where they are utilized as data for regulating and maintaining the proper ignition time and the optimal fuel injection through the computerized approach. The engine coolant temperature sensor is usually located on the engine block or cylinder head. It is often installed on a plastic hose on the coolants inlet. Different brands and car manufacturers have different ways of placing the coolant temperature sensor depending on the car design. Some vehicles may have more than one temperature sensor, as sometimes different sensors are used to send the signals to the dashboard, cooling fan control, and the control unit of your engine system. In the case of two sensors, we usually consider the one sending signals to the control unit as the coolant temperature sensor. There are cheaper ones on the market also, but I heavily recommend you buying a quality one like Bosch, to skip the headaches in the future. The replacement is often also quite straightforward, expcept that you might have to pour out all coolant from the engine and refill it â€" which means that you have to remove all air from the coolant system, which can be difficult. However, if you are fast replacing the sensor, there is often no need to tap out the coolant, but this requires some skills. To diagnose the coolant temperature sensor, you need a repair manual for your car model to find what measurement values you should expect from the coolant temperature sensor. I have been working with cars for 10 years, specialized in diagnostics and troubleshooting. I created this blog because I was tired of finding false information on the web while looking for repair information. I hope you enjoy my content! Contents show. Poor Mileage. Electrical Cooling Fans not coming on. Black Smoke from the Exhaust Pipe. Difficult Starting Condition. Engine Overheats. Poor Idling. Poor Engine performance. What is a Coolant Temperature Sensor? Coolant Temperature Sensor Location. Coolant Temperature Sensor Replacement Cost. Search This Site Search. Be the first to write a review. This listing is for part or sub-assembly number given below only. Postal Service. All free shipping orders will be shipped using either U. Postal Service or FedEx. Free shipping offer not available on freight orders. These offers are limited to in-stock items and items offered for sale exclusively through AutoZone's VDP, or special order, program. Visit our shipping FAQ for more information on shipping. AutoZone reserves the right to end this offer at any time without notice. How to return a product purchased from AutoZone Ebay Store:. All sales of items such as floor mats that have had logos, custom embroidery and or trim added are final and items cannot be returned. Product Return to an AutoZone store. You must drain all fluids, if any, from the product before

returning it. All returns to an AutoZone store are subject to the in-store return policy. To return a product to AutoZone Ebay Store, first drain all fluids, if any, from the product. Upon receipt of the shipping label, re-package the item s and attach the shipping label to the packaging for shipment back to the AutoZone Fulfillment Center. If you are shipping from overseas or a U. Include with your package, a copy of the receipt for your shipping charges. Upon receiving your returned item s , AutoZone will process your return and reimburse you for your return shipping charges by issuing a check for the shipping dollar amount as it appears on the carrier pre-printed label and receipt. Otherwise, AutoZone recommends using a carrier that provides package tracking to ensure your product gets back to AutoZone Ebay Store safely and quickly. Your credit card will be credited for the full price of the product. In all cases listed above, you are responsible for verifying and complying with proper shipment requirements of the carrier. How to return the core for a product purchased from AutoZone Ebay Store:. Core return to an AutoZone store. To return your product core to an AutoZone store, simply take the core and your receipt to any AutoZone store. You must drain all fluids, if any, out of the part before returning it. If you take the credit card used to purchase the new product, the store will credit your credit card for the value of the returned core. Place the return shipping label on the outside of the box and ship it. You are responsible for verifying and complying with proper shipment requirements of the carrier. AutoZone recommends using a carrier that provides package tracking to ensure your product gets back to AutoZone Ebay Store safely and quickly. You will not be reimbursed for shipping costs incurred in shipping the core to AutoZone Ebay Store's Fulfillment Center. The credit card used for the purchase of the product giving rise to the core return will be credited with the core's value after inspection Your shipment or other return of any core or other product to AutoZone is considered a transfer of ownership, and AutoZone will be unable to return the core or other product to you. The parts must be free of all flammable and hazardous fluids before shipment. Many AutoZone stores have a free recycling program. If you do not live near an AutoZone store or the AutoZone in your area does not have a recycling program, contact your local recycling agency for instructions on proper disposal. In-Store Return Policy. How to return a product purchased at an AutoZone Store: To return a product to an AutoZone store, return an item in its original condition and packaging, with receipt, within 90 days of the purchase date to request a refund. Return a defective item within the warranty period. Requests for refunds may be denied if the item has been used or installed. AutoZone reserves the right to require a valid government-issued photo ID for all returns that will be recorded at the time of the return. Information from you ID will be retained in a company-wide database of customer return activity that AutoZone accepts the following IDs for returns: U. Laser Visa. If you have any questions regarding returns please ask your question below. Skip to main content. Email to friends Share on Facebook - opens in a new window or tab Share on Twitter - opens in a new window or tab Share on Pinterest - opens in a new window or tab. Add to Watchlist. People who viewed this item also viewed. Showing Slide 1 of 1 - Carousel. Check if this part fits your vehicle. Picture Information. Mouse over to Zoom - Click to enlarge. Get the item you ordered or get your money back. Learn more - eBay Money Back Guarantee - opens in new window or tab. Contact seller. Visit store. See other items More See all. Item Information Condition:. Sign in to check out Check out as guest. Add to Watchlist Remove from watch list. Watch list is full. Longtime Member. Fast and safe Shipping. This amount is subject to change until you make payment. For additional information, see the Global Shipping Program terms and conditions - opens in a new window or tab. Item location:. Memphis, Tennessee, United States. Ships to:. United States and many other countries See details. For additional information, see the Global Shipping Program terms and conditions - opens in a new window or tab This amount includes applicable customs duties, taxes, brokerage and other fees. Estimated between Tue. Delivery times may vary, especially during peak periods. Any international shipping and import charges are paid in part to Pitney Bowes Inc. Learn More - opens in a new window or tab International shipping and import charges paid to Pitney Bowes Inc. Learn More - opens in a new window or tab Any international shipping and import charges are paid in part to Pitney Bowes Inc. Learn More - opens in a new window or tab Any international shipping is paid in part to Pitney Bowes Inc. Learn More - opens in a new window or tab. Related sponsored items. Showing Slide 1 of 2 - Carousel. Report item - opens in a new window or tab. This translation tool is for your convenience only. The accuracy and accessibility of the resulting translation is not guaranteed. Note: The accuracy and accessibility of the resulting translation is not guaranteed. Seller assumes all responsibility for this listing. My Garage. Go to My Garage. Please wait. We were unable to complete your request. Please try again later. This part is not compatible with this. Compatibility information is not available for this item. Oops, something went wrong. This part is compatible with below vehicle s. This part is compatible with below vehicle s matching this. A quantity of 2 is recommended. Portions of the information contained

in this table have been provided by autozone. Powered by Frooition. About Us Get in the Zone. Trust America's 1 battery destination and aftermarket auto parts retailer to get you what you need. Have parts shipped directly to you, and if applicable, get your core charge refunded by returning your product core to one of AutoZone's 5, locations in the United States. Use 'compatibility' to make sure the parts you've selected fit your vehicle. All Duralast parts come with a limited lifetime warranty, and Duralast Tools are guaranteed for life. Whether you're doing some routine maintenance, a long-term automotive project, or just trying to get your vehicle running, trust AutoZone to help you get the right parts at the right price so you can get back on the road. In-Store Return Policy How to return a product purchased at an AutoZone Store: To return a product to an AutoZone store, return an item in its original condition and packaging, with receipt, within 90 days of the purchase date to request a refund. Helpful Links. View more great items. This listing is currently undergoing maintenance, we apologise for any inconvenience caused. Shipping and handling. This item will ship to Ukraine , but the seller has not specified shipping options. Contact the seller - opens in a new window or tab and request a shipping method to your location. Shipping cost cannot be calculated. Please enter a valid ZIP Code. No additional import charges at delivery! This item will be shipped through the Global Shipping Program and includes international tracking. Learn more - opens in a new window or tab. There are 2 items available. Please enter a number less than or equal to 2. Select a valid country. Please enter 5 or 9 numbers for the ZIP Code. Domestic handling time. Taxes may be applicable at checkout. Learn more. Return policy. Payment details. Payment methods. Back to home page. Listed in category:. Email to friends Share on Facebook - opens in a new window or tab Share on Twitter - opens in a new window or tab Share on Pinterest - opens in a new window or tab Add to Watchlist. Image not available Photos not available for this variation. International Priority Shipping. This listing is for part or sub-assembly number given below only. Postal Service. All free shipping orders will be shipped using either U. Postal Service or FedEx. Free shipping offer not available on freight orders. These offers are limited to in-stock items and items offered for sale exclusively through AutoZone's VDP, or special order, program. Visit our shipping FAQ for more information on shipping. AutoZone reserves the right to end this offer at any time without notice. How to return a product purchased from AutoZone Ebay Store:. All sales of items such as floor mats that have had logos, custom embroidery and or trim added are final and items cannot be returned. Product Return to an AutoZone store. You must drain all fluids, if any, from the product before returning it. All returns to an AutoZone store are subject to the in-store return policy. To return a product to AutoZone Ebay Store, first drain all fluids, if any, from the product. Upon receipt of the shipping label, re-package the item s and attach the shipping label to the packaging for shipment back to the AutoZone Fulfillment Center. If you are shipping from overseas or a U. Include with your package, a copy of the receipt for your shipping charges. Upon receiving your returned item s , AutoZone will process your return and reimburse you for your return shipping charges by issuing a check for the shipping dollar amount as it appears on the carrier pre-printed label and receipt. Otherwise, AutoZone recommends using a carrier that provides package tracking to ensure your product gets back to AutoZone Ebay Store safely and quickly. Your credit card will be credited for the full price of the product. In all cases listed above, you are responsible for verifying and complying with proper shipment requirements of the carrier. How to return the core for a product purchased from AutoZone Ebay Store:. Core return to an AutoZone store. To return your product core to an AutoZone store, simply take the core and your receipt to any AutoZone store. You must drain all fluids, if any, out of the part before returning it. If you take the credit card used to purchase the new product, the store will credit your credit card for the value of the returned core. Place the return shipping label on the outside of the box and ship it. You are responsible for verifying and complying with proper shipment requirements of the carrier. AutoZone recommends using a carrier that provides package tracking to ensure your product gets back to AutoZone Ebay Store safely and quickly. You will not be reimbursed for shipping costs incurred in shipping the core to AutoZone Ebay Store's Fulfillment Center. The credit card used for the purchase of the product giving rise to the core return will be credited with the core's value after inspection. Your shipment or other return of any core or other product to AutoZone is considered a transfer of ownership, and AutoZone will be unable to return the core or other product to you. The parts must be free of all flammable and hazardous fluids before shipment. Many AutoZone stores have a free recycling program. If you do not live near an AutoZone store or the AutoZone in your area does not have a recycling program, contact your local recycling agency for instructions on proper disposal. In-Store Return Policy. How to return a product purchased at an AutoZone Store: To return a product to an AutoZone store, return an item in its original condition and packaging, with receipt, within 90 days of the purchase date to request a refund. Return a defective item within the warranty period. Requests for refunds may be denied if the

item has been used or installed. AutoZone reserves the right to require a valid government-issued photo ID for all returns that will be recorded at the time of the return. Information from you ID will be retained in a company-wide database of customer return activity that AutoZone accepts the following IDs for returns: U. Laser Visa. If you have any questions regarding returns please ask your question below. Skip to main content. Email to friends Share on Facebook - opens in a new window or tab Share on Twitter - opens in a new window or tab Share on Pinterest - opens in a new window or tab. Add to Watchlist. People who viewed this item also viewed. Showing Slide 1 of 1 - Carousel. Check if this part fits your vehicle. Picture Information. Mouse over to Zoom - Click to enlarge. Get the item you ordered or get your money back. Learn more - eBay Money Back Guarantee - opens in new window or tab. Contact seller. Visit store. See other items More See all. Item Information Condition:. Sign in to check out Check out as guest. Add to Watchlist Remove from watch list. Watch list is full. Longtime Member. Fast and safe Shipping. This amount is subject to change until you make payment. For additional information, see the Global Shipping Program terms and conditions - opens in a new window or tab. Item location:. Memphis, Tennessee, United States. Ships to:. United States and many other countries See details. For additional information, see the Global Shipping Program terms and conditions - opens in a new window or tab This amount includes applicable customs duties, taxes, brokerage and other fees. Estimated between Tue. Delivery times may vary, especially during peak periods. Any international shipping and import charges are paid in part to Pitney Bowes Inc. Learn More - opens in a new window or tab International shipping and import charges paid to Pitney Bowes Inc. Learn More - opens in a new window or tab Any international shipping and import charges are paid in part to Pitney Bowes Inc. Learn More - opens in a new window or tab Any international shipping is paid in part to Pitney Bowes Inc. Learn More - opens in a new window or tab. Related sponsored items. Showing Slide 1 of 2 - Carousel. Report item - opens in a new window or tab. This translation tool is for your convenience only. The accuracy and accessibility of the resulting translation is not guaranteed. Note: The accuracy and accessibility of the resulting translation is not guaranteed. Seller assumes all responsibility for this listing. My Garage. Go to My Garage. Please wait. We were unable to complete your request. Please try again later. This part is not compatible with this. Compatibility information is not available for this item. Oops, something went wrong. This part is compatible with below vehicle s. This part is compatible with below vehicle s matching this. A quantity of 2 is recommended. Portions of the information contained in this table have been provided by autozone. Powered by Frooition. About Us Get in the Zone. Trust America's 1 battery destination and aftermarket auto parts retailer to get you what you need. Have parts shipped directly to you, and if applicable, get your core charge refunded by returning your product core to one of AutoZone's 5, locations in the United States. Use 'compatibility' to make sure the parts you've selected fit your vehicle. All Duralast parts come with a limited lifetime warranty, and Duralast Tools are guaranteed for life. Whether you're doing some routine maintenance, a long-term automotive project, or just trying to get your vehicle running, trust AutoZone to help you get the right parts at the right price so you can get back on the road. In-Store Return Policy How to return a product purchased at an AutoZone Store: To return a product to an AutoZone store, return an item in its original condition and packaging, with receipt, within 90 days of the purchase date to request a refund. Helpful Links. View more great items. This listing is currently undergoing maintenance, we apologise for any inconvenience caused. Shipping and handling. This item will ship to Ukraine , but the seller has not specified shipping options. Contact the seller - opens in a new window or tab and request a shipping method to your location. Shipping cost cannot be calculated. Please enter a valid ZIP Code. No additional import charges at delivery! This item will be shipped through the Global Shipping Program and includes international tracking. Learn more - opens in a new window or tab. There are 2 items available. Please enter a number less than or equal to 2. Select a valid country. Please enter 5 or 9 numbers for the ZIP Code. Domestic handling time. Taxes may be applicable at checkout. Learn more. Return policy. Payment details. Payment methods. Back to home page Return to top. Back to home page. Listed in category:. Email to friends Share on Facebook - opens in a new window or tab Share on Twitter - opens in a new window or tab Share on Pinterest - opens in a new window or tab Add to Watchlist. Image not available Photos not available for this variation. International Priority Shipping. Be the first to write a review. This listing is for part or sub-assembly number given below only. Duralast products are engineered and manufactured by Wells Vehicle Electronics, a leading global supplier of advanced vehicle electronics solutions for original equipment and replacement applications. Every component either matches or improves on the OE design to ensure fast, easy installation, superior performance and reliability. Wells offers extensive application information and technical support via its Tech Line at Postal Service. All free shipping orders will be shipped using either

Got car issues? Well, we've got the answers! Easily search thousands of entries to find exactly what you're looking for. Need advice on a dealing with a blown head gasket? Oil Leak? Cracked block or leaking radiator? Be sure to leave a comment or question on anything that may interest you. You can also send an email to our pro for direct assistance! Normal engine coolant temperature depends on a lot of factors. Before we get into what normal engine coolant temperatures are, a better question you maybe should ask is what temperature is your engine really running at? Does your car have a temperature gauge? Can you really trust it? Many cars being sold today simply have a blue thermometer dash light that turns off once your car is warmed up and a red thermometer dash light that turns on if your car gets too hot. If you have an OBDII scanner, you may even be able to graph coolant temperatures in your app and track them that way. This will likely be somewhere in the to degree range based on what your drive. Another thing to consider when watching your engine coolant temperature is what the engine cooling fans are set to. If you are driving slowly or stopped idling the fans keep enough air moving through your radiator to keep your engine cool. Engine cooling fans may engage at one speed or multiple speeds and may kick on anywhere between and degrees. You can pick up BlueDevil Engine Cool at one of your local auto parts stores like:. Hi there. Thanks very much for the valuable information. I wonder if the is normal for the car. Thank you for asking about your Chevy Malibu. It seems that the normal operating temperature range for your vehicle is between degrees Fahrenheit, so the temperature you read still falls within the normal range. Thank you for asking about your Pontiac Solstice. What would be the ideal temperature range for a mildly modified small block Chevy? Right now the engine runs between and degrees with Derale cfm electric mini fans. Is degrees too high? Thank you. For most vehicles, the normal operating temperature will range from about degrees Fahrenheit. It does not sounds like degrees is too high. It appears the normal operating temperature for your Ford Escape ranges from degrees Fahrenheit. Although on the higher end, it does sound like it is still in the normal operating temperature range. If the temperature gauge keeps fluctuating, it could be the sign of a faulty thermostat. This is very inexpensive and the easiest component to replace, so it would be a good place to start. I have a Chevy Malibu lt. And the my gauge stays at C does not even out. Do I have a leak? Or faulty radiator? The thermostat is the least expensive and easiest to

replace, so it would be a good idea to start there. If the problem persists, you may want to look into a temperature sensor replacement. I have a Jeep Compass latitude. My coolant temperature gage reads F usually. Is this a normal temp? I guess a better question should be what temperature should I be concerned about? My dealer said it could go up to but this just seems high to me? Thank you for asking about your Jeep Compass. There are vehicles that will have normal temperature ranges that are higher when compared to other vehicles. It would not be out of the ordinary if degrees Fahrenheit was within normal operating temperatures for your Jeep, especially with it being a newer vehicle. Hello my Dodge Dart engine I have the engine temperature up to degrees Celsius after it starts to go down Is this normal. Thank you for asking about your Dodge Dart. The temperature you mentioned seems a little high for your engine. Have you noticed any other symptoms? How many miles are on the vehicle? I Have A Chevy Cruze 1. Thank you for asking about your Chevy Cruze. The temperature you mentioned seems a little high for your vehicle. Does it quickly go back down and kind of hover around that temperature? Have you noticed any other issues with the vehicle? It may be best to bring the vehicle to a certified ASE mechanic for a proper diagnosis. Your email address will not be published. BlueDevil Products Auto Blog! So how can you be sure of your engine coolant temperature? If your car was built before , install a mechanical coolant temperature gauge made by a reputable company If your car is older than it wil

free jeep parts
custom jeep interiors
husqvarna 288xp parts diagram

I have an OBDII port. Get a device to plug into that port to read the coolant temperature. I have everything else normal and the car has no other problem, the check engine light is off. Best Regards Jaafar. Jaafar- Thank you for asking about your Chevy Malibu. Thank you! Abigail- Thank you for asking about your Pontiac Solstice. Giuseppe- For most vehicles, the normal operating temperature will range from about degrees Fahrenheit. Rich- It appears the normal operating temperature for your Ford Escape ranges from degrees Fahrenheit. Is it normal that the indicator gauge fluctuates a little bit while driving in Rav4? Nashwan- If the temperature gauge keeps fluctuating, it could be the sign of a faulty thermostat. Javier- Thank you for asking about your Chevy Malibu. Charly- Thank you for asking about your Jeep Compass. Saif- Thank you for asking about your Dodge Dart. Cheryl- Thank you for asking about your Chevy Cruze. Leave a Reply Cancel reply Your email address will not be published.