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WITHOUT FRIDGE DEFEND YOU ARE NOT PROTECTED Dometic & Norcold reliability and fire safety, can you live without it? Select Troubleshooting Subject in Menu Above Ever ask Where do I get started fixing my Norcold RV fridge? This page has a step-by-step troubleshooting logic tree. It covers most all problems that can occur with a Norcold fridge & includes 'How To' videos! MENUS The above menu items list all the repair subjects for each part and system on your Norcold RV fridge that are necessary for how to fix a fridge that is not cooling. HOW DO I DO IT? Below on this page are: Step by step Norcold Troubleshooting: A logic tree or flow diagram that will help you solve problems. Troubleshooting Basics Videos: Real world fridge repair at your convince. Fridge Troubleshooting Step by Step INSTRUCTIONS: Select the symptom that best suits your situation, click the subject and the logic tree will open with the next question or a solution. Digital Millennium Copyright Act Fridge Cooling Poorly Fridge is on Shore Power YES Switch to LP Gas Mode Fridge cools within 4 hours on LP Gas? There is a problem with the Shore Power. Make sure you have 120VAC at the fridge receptacle and that the polarity is correct. An extension cord can be plugged directly into the fridge plug to eliminate any issues that may be in the RV wiring. There is a fuse under the cover of the control box. Use following links to check the heaters: Test AC Heater & Specifications Test AC Heater & Specifications Fridge is on LP Gas YES Fridge Cools Poorly on LP Gas & Shore Power YES Disconnect Cabinet Temperature Sensor By disconnecting the cabinet temperature sensor (thermistor) it will force the fridge to run 100% of the time. If the fridge does not cool on either heat source, go to Fridge Fails above Tests below in this tree. Test Thermistor Test Thermistor Industry Standards for Cooling ANSI Standards Following test requires measuring in a glass of water the fridge temperature. The glass of water is to offer thermal mass, but most wireless fridge thermometers will work because they have the mass of the batteries in the sensor. TEST: Run fridge with either a functioning thermistor, or disconnect the thermisor and run fridge for 6 to 8 hours. For the following size of fridge, the thermometer should read: 3 to 6 cubic foot Fridge: 43F or less at 90F ambient temperature. 8 cubic foot Fridge: 43F or less at 110F ambient temperature. Freezer Compartment: 12F or less (water not needed for this test). Fridge Fails above Tests YES If the fridge is not cooling on either of the heat sources, Shore Power or Propane heat, there is the possibility the cooling unit is failing or has failed. Cooling Unit Test The cooling unit is completely powered by the boiler, thus the boiler temperature tells the diagnostician two things: 1) The pressure in the cooling unit. 2) If the fluids are circulating in the cooling unit. Do you have a Fridge Defend? YES NO Other than viewing yellow powder where the cooling unit cracked and failed, or if the boiler is gurgling when heated, there is no way to test the cooling unit boiler. Photo of Failed Boiler Hot Weather Fridge not Cooling Codes: Fault Error Diagnostic No Lights on Fridge Control Panel Open the door of the fridge, if there is no interior light then check the following: Fridge is Equipped with Fridge Defend? YES Is there a dot flashing on the Fridge Defend Display? YES Then there is power to the Fridge Defend, use the User Guide to display the voltage going to the refrigerator controller through the yellow Fridge Defend wire. If the Fridge Defend display shows power going to the fridge controller, check the fuses under the cover of the fridge controller. NO Check all the fuses in the RV. You may have blown a fuse, we are sorry but each RV puts the fuse for the fridge in a different place, so if you do not know where the fuse is - this could be hide and seek. Is the Fridge Defend display flashing numbers? YES The numbers being displayed are the time in minutes before the Fridge Defend will restart the fridge. Do not turn off the Fridge Defend. See User Guide for more information on how the Fridge Defend handles an overheat situation. Download User Guide, Manuals & View Operation Videos Did this solve your problem? NO Is Fridge a Norcold Fridge Equiped with HTS Recall? YES Click here to Reset Norcold Recall Check for 12V at Fridge Power Supply, is there Power? NO Check all the fuses in the RV. You may have blown a fuse, we are sorry but each RV puts the fuse for the fridge in a different place, so if you do not know where the fuse is - this could be hide and seek. YES Power Supply Quality Test There are two tests, one is for the DC voltage at the fridge controller. The other is for AC voltage on the system. DC Tests The standard in the industry: Less than 10.5VDC the fridge will not run. Greater than 20VDC damage will occur to 12VDC automotive equipment. Do you have a Fridge Defend? YES AC Tests Place volt meter in AC mode of operation, measure the fridge 120VAC supply voltage. The standard in the industry: Less than 6VAC of AC voltage should be on the 12VDC supply line. If RV is connected to shore power, disconnect and measure again if greater than 6VAC. If AC voltage is acceptable, most likely the RV 120VAV to 14.5VDC battery charger has a problem. If AC is not acceptable, most likely the RV 12VDC to 120VAC inverter is putting the AC voltage onto the DC line. TIP: Start pulling fuses and disconnecting electrical loads until the problem is found. LP Gas Mode does not Work When the control is put into the LP Gas mode: The gas valve will click when it opens. The igniter will strike. Then the flame should light within two strikes of the igniter. Thus, it is important to open the burner cover to observe these events. For the following, we assume you have turned on a burner on your stove and it lights. Thus, you know you have propane fuel in the tank and pressure in the line. Gas Valve This photo shows a plugged condenser; by just looking around many RV fridge problems can be fixed. Because the owner had a Fridge Defend on his Norcold, and the Fridge Defend keep tripping, the owner had to find out why? It turns out that it was just this simple; the condenser became plugged with insulation from the RV, the fridge cooled poorly on both shore power and LP Gas (propane). In our 48 years of RV refrigerator, automotive electrical, and RV systems troubleshooting, we have come to find that most problems are simple to solve. Do it Yourself (DiY) fridge repair is what we promote because you have all the facts, but we are also here to help. All Fridge Defend safety and reliability device owners get consultation for fixing their fridge. Just Look Around -- It Can Save Money! ANSI Industry Standards for RV Cooling: OVERVIEW: The following test requires the temperature sensor to be in a glass of water within the refrigerated space. The glass of water is to offer thermal mass, but most wireless fridge thermometers will work because they have the mass of the batteries in the sensor within the fridge. TEST: Run fridge with either a functioning thermistor and the fridge temperature on the lowest setting; or disconnect the thermistor and run fridge for 6 to 8 hours. By discounting the thermistor, the fridge will run full-time, thereby eliminating any errors in the thermistor. For the following size of fridge, the thermometer should read: 3 to 6 cubic foot Fridge: 43F or less at 90F ambient temperature. 8 cubic foot Fridge: 43F or less at 110F ambient temperature. Freezer Compartment: 12F or less (thermometer water not needed for this test). We give the viewing option for either YouTube (green border) or our webpage (blue border) showing the same video (no ads or pop-ups). YouTube Player VIDEO: This video shows the components on an RV fridge. This is the index for the remainder of the Complete RV Fridge Repair Series. This video shows the back side of the fridge including propane (LP Gas) components such as the Gas Control Valve (SOV), Burner, and Boiler Assembly, along with other cooling unit components such as Electric Heaters. Also, inside the fridge the thermistor and cooling fins are shown. YouTube Player VIDEO: The RV refrigerator has a device called a thermistor that regulates the temperature within the RV fridge. This video teaches how to troubleshoot and repair the thermistor RV refrigerator temperature controller. TEXT: Norcold Thermistor & Temperature/ Values TEXT: Dometic Thermistor & Temperature/ Values YouTube Player VIDEO: This video helps teach how the Dometic and Norcold RV refrigerators are driven by a boiler. The video shows basic instrumentation need to checking the boiler and information about the electric and gas heaters. Click for Data Interface Controller for Advanced Diagnostics YouTube Player VIDEO: This video teaches how to troubleshoot and repair RV refrigerator electric heaters and the controller fuses for No AC type errors and trouble codes. TEXT: Norcold Electric Heaters TEXT: Dometic Electric Heaters YouTube Player VIDEO: When the fridge does not cool when in the propane (LP Gas) mode, there may be issues with the LP filter and or the regulator pressure. This video teaches how to troubleshoot and repair these problems. VIDEO: Safe Operation of Liquid Propane Gas TEXT: Norcold LP System Pressure and Filter TEXT: Dometic LP System Pressure and Filter YouTube Player VIDEO: This video teaches how to troubleshoot and repair the propane (LP Gas) burner and igniter system including the gas jet and flue cleaning procedures. TEXT: Norcold Burner & Igniter & Norcold 'Popping-Burner' Solution TEXT: Dometic Burner & Igniter YouTube Player VIDEO: This video shows how to troubleshoot and repair the RV fridge burner gas valve including ohms and voltage checks. YouTube Player VIDEO: This RV fridge has a problem that came from the factory, not enough thermal mastic. This video shows how to troubleshoot and repair the fridge for this particular poor or not cooling issue. YouTube Player VIDEO: This video shows the critical cooling unit replacement step of properly applying the evaporator thermal mastic. YouTube Player VIDEO: This video shows how to properly install a Dometic or Norcold cooling unit, including the critical step of sealing the evaporator. YouTube Player VIDEO: This video clears up some misconceptions about RV refrigerator ventilator and defrost fans. Fans increase efficiency, but do not prevent the cooling unit boiler from overheating. 13 - Install Dometic & Norcold Fan Sensor This video shows how to install the fan sensor for Dometic and Norcold RV refrigerators. Are you planning a road trip in your RV only to discover that your Norcold refrigerator isnt cooling? If so, youre certainly not alone! RV refrigerators, especially the Norcold models, can sometimes be a source of frustration when they fail to keep your perishables at the right temperature. Understanding why this happens and how to resolve it can make all the difference between a stress-free journey and a spoiling adventure. In this extensive guide, we will explore the potential reasons behind a Norcold RV refrigerator not getting cold, possible solutions, and maintenance tips to prevent future issues.Understanding How Your Norcold Refrigerator WorksBefore diving into troubleshooting, its essential to understand how your Norcold RV refrigerator operates. Norcold refrigerators typically use one of two technologies: absorption cooling or compressor cooling.Absorption CoolingAbsorption refrigerators work by using a heat source to evaporate ammonia. The system then relies on a complex interaction of refrigerant gases and heat exchangers to create a cooling effect. Here are its main components:Heat Source: Propane or electric heating elements provide the required energy to evaporate ammonia.Evaporator: This components job is to absorb heat from the refrigerators interior, producing the cooling effect.Condenser: As the ammonia gas flows through this part, it loses heat and condenses back into a liquid.Compressor CoolingCompressor refrigerators operate similarly to home refrigerators but on a smaller scale. They use a compressor to circulate refrigerant and achieve cooling. They generally cool faster and are more efficient than absorption units.Understanding these mechanisms will help you diagnose the problem more effectively.Common Reasons Why Your Norcold RV Refrigerator Isnt CoolingIf your Norcold RV refrigerator is not cooling as it should, several factors could be at play. Here are some of the most common reasons to consider:1. Incorrect Temperature SettingsIt might sound simple, but a misplaced setting could be causing your refrigeration woes. Double-check the temperature control inside the refrigerator. Make sure it is set to the appropriate level, usually around 35-38F (1.6-3.3C).2. Power Source IssuesWhether youre using propane or electric, ensuring your refrigerator has a steady power supply is crucial. Heres what to check:For Propane: Ensure the propane tank is filled and the gas valve is open. Additionally, inspect the ignitor for any issues.For Electric: Check the power cord and connections. If you are on a generator or a campsite hookup, ensure that the outlet is functioning properly.3. Vent BlockageNorcold refrigerators require proper ventilation to work efficiently. Check the ventilation fins located outside your RV. If these vents are blocked with dirt or debris, airflow will be compromised.4. Ammonia LeaksAn ammonia leak commonly occurs in absorption refrigerators. You may smell the distinct odor of ammonia. If you suspect a leak, immediately turn off the refrigerator and seek professional service.5. Failed ThermostatThe thermostat regulates the temperature inside the refrigerator. If it fails, cooling may not occur as intended. Check its operation and replace it if necessary.Steps to Troubleshoot Your Norcold RefrigeratorIdentifying the exact reason your Norcold refrigerator isnt cooling can be a bit of a process. Here are steps to help you troubleshoot effectively:Step 1: Verify Power SupplyCheck to see if the refrigerator is powered on. Look for lights or indicators on the control panel.If using propane, ensure the tank is filled and the ignition system is functioning.Step 2: Inspect VentilationExamine the exterior vents. Remove any visible blockages.Ensure theres adequate space for airflow around the refrigerator.Step 3: Assess Temperature SettingsAdjust the temperature settings to their recommended levels.Allow the refrigerator several hours to stabilize after making adjustments.Step 4: Check for Ammonia PresenceIf after assessing your appliance, you detect an ammonia smell or see crystals forming around the cooling unit, this could indicate a problem with the absorption system. Turn off the fridge and contact a professional service technician.When to Seek Professional HelpAlthough you may be able to troubleshoot several issues on your own, there are circumstances when reaching out for professional assistance is advisable:1. Persistent Cooling IssuesIf youve tried all troubleshooting steps and your fridge still isnt cooling, it may be time to call in an expert.2. Major Component FailureShould you suspect a failed compressor or a major electrical issue, professionals have the expertise and equipment necessary to diagnose and repair these complex systems.3. Safety ConcernsIf you notice any signs of gas or ammonia leaks, prioritize your safety. Turn off the refrigerator and evacuate the RV until maintenance can be performed.Preventive Maintenance Tips for Your Norcold RV RefrigeratorTo prolong the life of your Norcold refrigerator and keep it running smoothly, consider following these maintenance tips:1. Regular CleaningMake a habit of cleaning your refrigerators vents and condensers to avoid blockages. Dust and debris can significantly impact its cooling performance.2. Check the Power Source FrequentlyDuring RV trips, regularly check the power sources to ensure you maintain adequate electricity or propane levels.3. Avoid Overloading the RefrigeratorOverloading your refrigerator can hinder airflow and insulation. Always ensure proper spacing of items stored inside.ConclusionDiscovering that your Norcold RV refrigerator isnt cooling can be a major setback during your travel adventures. However, by taking the time to troubleshoot common issues, checking for power supply and ventilation, and performing regular maintenance, you can enjoy cold drinks and fresh food while on the road. Remember, some issues may require professional assistance, so dont hesitate to reach out for expert help when needed.With your newfound knowledge, youre now better equipped to check on your refrigerator and ensure its working efficiently. Happy travels, and may your RV adventures be cool and enjoyable!What are the common reasons why my Norcold RV refrigerator is not cooling?The common reasons for a Norcold RV refrigerator not cooling might include improper leveling of the RV, issues with the power source, or problems with the cooling unit itself. Since Norcold refrigerators rely on gravity to circulate the coolant, being out of level can hinder their ability to cool efficiently.Additionally, if the refrigerator isnt getting enough powerwhether from a battery or an AC outletit may not function properly. Power issues can arise from faulty connections, blown fuses, or an inadequate power supply. Checking these aspects is essential before delving into more complex repairs.How do I level my RV for optimal refrigerator performance?To level your RV, use a bubble level placed on the countertop or floor to check the alignment. Ideally, the RV should be level both side-to-side and front-to-back. You can adjust the leveling by using jack pads or leveling blocks under the tires or leveling jacks to raise the RV as necessary.After leveling, allow the refrigerator some time to stabilize, as it may take several hours for the cooling process to kick in fully. Regular checks are advisable to ensure that the RV remains level, especially if parked on uneven ground.What should I check in the power supply of my Norcold refrigerator?First, inspect the power source the refrigerator is plugged into. If you are using an outlet, ensure that the circuit is functioning and that there are no blown fuses or tripped circuit breakers. For battery operation, check the battery voltage to ensure it is within the required range for your refrigerator model.Additionally, inspect the wiring and connections leading to the refrigerator. Loose or corroded connections can impede the power that reaches your unit, preventing it from cooling effectively. Addressing these issues can often resolve power supply-related problems.Can a dirty condenser cause cooling issues?Yes, a dirty condenser can significantly impact the cooling performance of your Norcold refrigerator. Dust, debris, and dirt can accumulate on the condenser coils, blocking airflow and reducing their efficiency. When the coils are obstructed, the refrigerator struggles to remove heat, leading to insufficient cooling.Cleaning the condenser coils regularly is an easy maintenance task that can greatly benefit the performance of your refrigerator. Use a vacuum or a brush to carefully remove any buildup. Ensuring proper airflow will help your refrigerator operate more effectively and prolong its life.What to do if the cooling unit is defective?If you suspect that the cooling unit is defective, you may need to conduct further tests to confirm the issue. It is crucial to evaluate if the cooling unit itself is leaking or showing signs of corrosion, which can indicate a more severe problem. In some cases, a simple fix may be possible, such as refrigerant replacement or repair.If extensive damage is evident, you may need to consider replacing the cooling unit. In such cases, consulting a professional technician who can diagnose the specific issue and recommend the best course of action is advisable. Replacing the cooling unit can be a complex process, so professional assistance is often the most effective solution.Is there a recommended temperature setting for the refrigerator?Most Norcold RV refrigerators operate best at a temperature setting around 37F (3C) for the refrigerator compartment and 0F (-18C) for the freezer section. Keeping these temperatures ensures that food and beverages stay fresh and safely chilled.It is essential to monitor temperatures regularly, especially after adjusting settings. If the refrigerator struggles to reach these temperatures, further troubleshooting may be necessary to identify underlying issues, such as improper leveling or power supply problems.How long does it take for a Norcold RV refrigerator to cool down?Typically, a Norcold RV refrigerator can take anywhere from 6 to 12 hours to reach optimal cooling temperatures after being turned on, especially if its the first use or has been turned off for an extended period. During this time, its essential to avoid opening the door frequently, as this can prolong the cooling process.If the refrigerator has been running for longer than the expected timeframe without reaching adequate cooling, this could indicate a problem. Evaluating factors like leveling, power supply, and condenser cleanliness is essential to troubleshoot further.When should I consult a professional technician for my RV refrigerator?You should consider consulting a professional technician if youve gone through basic troubleshooting steps without success. If the refrigerator continues to malfunction, especially if there are unusual sounds or visible signs of wear and tear, it may require specialized knowledge for diagnosis and repair.Moreover, if you suspect issues with internal components like the cooling unit or compressor, a technician will have the right tools and expertise to address these problems safely. Timely professional assistance can help prevent further damage and extend the life of your refrigerator.RVs have become so lavish that even refrigerators are complex and sometimes hard to handle. But you need to keep your food supply nice and cool while you are traveling. Looking after your fridge is as important as looking after your air conditioner.One of the simplest problems that could be causing this situation is that the fridge has not had the time to cool down. Since both the freezer and fridge work off the same cooling unit, both should work fine.To learn more about how your RV fridge works and why it may not be cooling down while the freezer is, just keep reading our article. It goes through this topic to make sure you have the facts you need to fix this problem when it happens to you.Norcold RV Refrigerator Not Cooling But FreezerisOne of the first things you need to know about Norcold fridge and freezer units is that they must be level to work properly. Their cooling system works by gravity and keeping them level helps the unit distribute the coolant to where it needs to go.The next thing you should be aware of is that if the outside temperature is too hot, then the Norcold fridge will not work right. The break point temperature for this scenario is 90 degrees F.Also, you have to make sure the cooling fins have proper airflow. Remove the access panel and clear away any debris around the cooling fins and the outside vent. Bad airflow means that the fridge components will not get the air they need to keep the fridge nice and cool.If you have done all that, there is still one more step to take. If your fridge is not showing any error codes, lower the temperature setting to as low as it will go. Then disconnect the thermistor and wait. If your fridge cools like normal, then you have a bad thermistor on your hands.The reason you may be having a problem with your Norcold RV Fridge is that it is a gas absorption model and it has too many parts that affect the cooling system. To find the problem may take a little time as you have to check each part till you find the defective one.Dometic Refrigerator Not Cooling But Freezer WorksDometic also uses the gas absorption and gravity system as Norcold does. That means the problems you had when you owned the Norcold will be the problems you are having with your Dometic refrigerator.If your RV is not level when parked, then you will have trouble with cooling your fridge. You may think that leveling your RV is only good for the frame and slide outs. Not so. Your fridge depends on your rig being level at all times when it is parked, even when it is in storage.Then if you are camping out or in an RV park in very hot geographical regions of the country, then you are going to have problems with your fridge. Once the temperature gets over 90 degrees F, the fridge may not cool like it should.Next, you will have to check for dirt, debris, and blockage. The outside vent may not stop all these things or even insects and small animals from getting inside. These elements work hard to stop your fridge from operating normally.Keeping your outside access and interior passageways clear supports your refrigerators work. Finally, you will need to check the thermistor. Follow the same instructions found in the Norcold and you should be able to see if the thermistor is defective or not.If it is, you will need to replace it. As with the Norcold, the Dometic fridge has many components that influence the cooling power of your fridge. You may have to check them one at a time to make sure you find the right source for your problem.How RV RefrigeratorsWorkWe have mentioned that the majority of RV fridges are gas absorption models and that they do not have two separate cooling systems. They only have one to cool both the fridge and the freezer.For the refrigerator to work properly, you need to have your RV level when not driving it down the road. This allows the cooling unit to move the different gases throughout the cooling system.The two main gases used in an RV Fridge are ammonia and hydrogen. The cooling system turns the ammonia gas into a liquid and the more you have the better. Then gravity moves the ammonia liquid to where the hydrogen gas removes the heat in the ammonia.As the cooling ammonia evaporates, it cools your fridge and freezer unit. Then after it has done that job the ammonia liquid is sent to the boiling section to be turned back into gas and to start the process all over againThis is the basic version of how the majority of RV fridges work. Now the problem with this system is that it takes time to work. What that means is you have to turn the fridge on about 24 hours ahead of the time you are going to use it.If you check back before that time, say after only a few hours, you may think something is wrong with the fridge. The only thing wrong is that you have not let enough time pass to let the fridge get up to speed.The Defective RV Fridges Usual SuspectsThere are some usual suspects when you go to diagnosis what why your fridge is not cooling when your freezer is. The process of cooling your fridge section starts with your freezer and moves down, following the gravity system.If your freezer is cooling and your fridge is not, you need to check the usual suspects first to make sure they are all operating correctly. Before we get into listing those suspects, you need a couple of words of advice.First, make sure you have the right tools on hand to find and handle the problem. Second, fridges are electrically powered, so be careful and not careless. Being careful will help you avoid injuries.The usual suspects:1. The evaporator coils- this is the component that cools the air down keeping your food fresh and safe. If there is too much frost on these coils, there may not be enough air getting to the cooling coils. This lack of air will hinder your fridge from becoming cool.If you check the evaporator coils and see there is a lot of frost on them, take your wifes or daughters hairdryer and blow hot air onto the coils. Once the frost is gone, your fridge should work normally again.2. Defective or malfunctioning defrost timer- if you see that the evaporator coils are frosting up frequently, then you may have a problem with this device. The timer turns the heating element on from time to time to make sure frost does not build up on the coils.You can pull the timer out and check to see if it is working or not. If it is, then just put it back where you found it. The owners manual should be able to tell you its location. If it isnt working, then replace it with a new one.3. The evaporator fan is broken- if the previous two components are fine, this is your next stop in trying to find out why your fridge is not cooling. If the fan is not operating at all, then your fridge will not receive any cool air, or at least in the quantities it needs to cool down.One way to tell if the fan is malfunctioning is by listening to the noise it makes. If it is too noisy, then you need to replace it with the right part and model for your particular fridge. Using the wrong fan may cause you more problems and have you spend more money.4. Damper control assembly is defective- what this component does is regulate the cold air coming from the freezer and heading towards your fridge. If this device malfunctions or becomes defective, then it could stop the flow of cool air depriving your fridge of the needed cooling air.To troubleshoot this part, you need to examine the device and test it to see if it is working or not. If it is broken or malfunctioning, then you will need to do the obvious and replace it.5. The thermistor is not working right- we have talked about this for the Norcold and Dometic refrigerators and this can be a problem for other brands as well. What the thermistor does is measure the temperature at their locations and transmit that measurement to the thermostat.A damaged or broken thermistor may send faulty information to the thermostat causing it to stop the flow of cool air to the fridge. The design of the thermistor has them exposed to electrical current. This exposure degrades them and can create this faulty situation for you.To avoid this problem you will need to check your thermistors regularly and make sure they have not been degraded by the electrical current if they have, then you need to replace and then keep checking them from time to time.How Cold Should You Let Your Refrigerator Get?The owners manual that comes with your brand of refrigerator should give you the exact temperature settings you should sue when you use your RVs refrigerator. It is possible that different brands have different allowances.The rule of thumb though is that you should set your freezer at 32 degrees F, or just under that temperature. For the fridge section it should be set at 34 degrees F or you could go a little bit higher and have it work at 40 to 42 degrees F.More recent models of refrigerators have been redesigned by the manufacturers to handle steep roads better than the older more conventional models. But these upgraded versions are not free from the same problem that affects those conventional fridges.Steep hills that bring your RVs fridge more than 3 degrees out of level, will eventually damage the unit and shorten its lifespan. To avoid this issue, turn your fridge off before entering those hilly and mountainous sections of the country.If you need to check the level of your fridge and RV, just use a standard carpenters level and see where the bubble lies.One Tip to Cut Your Cooling Time DownWe stated earlier that it should take about 24 hours before your RVs fridge is cooled down enough and operating normally. There is a way to cut this time frame down and get you on the road a lot quicker.To cut the cooling time in half, all you need is a battery-powered fan. You place it facing upwards towards the fridge compartment and turn it on. Not only will this help speed up the cooling time, but it should also help your fridge run more efficiently.Little tricks like this can make your RV vacation a lot more enjoyable.Some Final WordsHaving the fridge not cool down while the freezer does, is not a big problem to solve. As you can see, some common sense troubleshooting should clear the matter up in no time at all.Finding the source of the problem just takes a little time as you have to check all the components to find the right culprit. Sometimes, the simplest solution is a matter of time. In other words, you need to wait 24 hours to make sure the fridge truly has a problem.The fixes described above should work on all RV fridge brands as the majority of them are all built the same and use the same cooling system. Is your Norcold refrigerator failing to keep your food cold during your RV adventure? A non-cooling fridge can quickly turn a relaxing trip into a stressful situation. The good news is that many cooling issues can be diagnosed and fixed without professional help. Lets dive into why your Norcold RV refrigerator isnt cooling and what you can do about it.How Norcold RV Refrigerators WorkUnlike your home refrigerator, your Norcold RV fridge uses absorption refrigeration principles instead of a compressor. The system uses heat (from either propane or electricity) to circulate a solution of ammonia, water, and hydrogen through a sealed system of tubes and chambers.Heres a simplified breakdown of how it works:A heating element boils an ammonia-water solutionThe ammonia gas moves to the condenser where it cools and becomes liquidThe liquid ammonia enters the evaporator where it mixes with hydrogenThis mixture absorbs heat from inside your fridge (the cooling effect)The ammonia returns to the absorber and the cycle repeatsWhen any part of this process fails, your fridge stops cooling properly.Common Causes of Cooling Failure1. Uneven LevelingOne of the most common reasons for cooling failure is not having your RV properly leveled.How to fix it: Your refrigerator needs to be level within 3 degrees for the cooling system to function correctly. Use a small bubble level placed on the refrigerator shelf to check. If its not level, adjust your RVs position or use leveling blocks.2. Control Board Lockouts and Fault CodesYour Norcold refrigerator has a control system that monitors operation and can trigger a lockout if it detects a problem.How to identify it: Check if your fridge displays a blinking LED code. A 5-blink code typically signals a cooling failure.How to fix it:Unplug the refrigerator and remove the control board coverFind the reset pins (older models have a recessed pin labeled P7 or TEST)Press and hold the reset pin for 5-10 secondsRestore power and test if the refrigerator starts coolingA video guide to resetting Norcold control boards can be helpful if youre unsure about the process.3. Poor VentilationYour refrigerator needs proper airflow to reject heat efficiently.How to fix it:Clear all obstructions from the upper and lower exterior ventsCheck that food items arent blocking interior air circulation ventsConsider installing a cooling fan to improve airflow, especially in hot weatherEnsure the baffle is properly installed to direct heat away from the cooling unit4. Gas Mode FailuresIf your refrigerator works on electric but not on propane, you may have ignition problems.How to identify it: Listen for clicking sounds that indicate ignition attempts. A 2-blink code typically indicates gas mode issues.How to fix it:Turn off the refrigerator and locate the burner assembly (usually accessible from the external lower vent)Clean the burner and orifice with steel wool and compressed airCheck that the electrode is positioned 3-5mm from the burnerTest if the gas valve has the correct resistance (should be 74-92 ohms)5. Thermistor ProblemsThe thermistor is a temperature-sensing device that tells the control board when to cycle the cooling system.How to test it:Disconnect the thermistor from the control boardUse a multimeter to check resistance:At 32F (ice water): approximately 12,000 ohmsAt room temperature (80F): approximately 3,500 ohmsA reading of 0 ohms indicates a shorted thermistor, while infinite resistance means an open circuit. Replacement thermistors cost $20-$50.6. Power Supply IssuesUnstable voltage can cause refrigerator failure.What to check:Verify your shore power connection is stableCheck the 5-amp fuse (F3) if operating on AC powerEnsure your 12V supply is providing adequate voltage when running on DC7. Cooling Unit FailureThe cooling unit is the sealed system containing the ammonia solution. When it fails, it usually needs replacement.Warning signs:Yellow residue (sodium chromate) underneath the refrigeratorAmmonia smell near the unitNo cooling despite normal operation soundsDiagnosing Your Specific IssueUse this troubleshooting flowchart to identify your problem:SymptomLikely CausesCheck FirstNo cooling on any power sourceCooling unit failure, control board lockout, leveling issueLeveling, reset control boardCools on electric but not gasGas valve, burner issues, orifice blockageClean burner assembly, check igniterIntermittent coolingThermistor, ventilation issues, levelingVentilation, thermistor resistanceDisplays error codeSee specific code meaningNorcold fault code guideStep-by-Step Cooling Unit Replacement (If Necessary)If youve determined your cooling unit has failed, replacing it is a major but doable project:Prepare: Disconnect all power sources and propaneRemove refrigerator: Carefully extract the entire refrigerator from its cabinetSeparate cooling unit: Remove the cooling unit from the refrigerator boxTransfer components: Move the baffle and heating element to the new cooling unitInstall: Reverse the process to reinstallA replacement cooling unit costs $1,200-$2,200 plus labor, though aftermarket units may offer better value and durability.Preventative Maintenance TipsTo avoid future cooling issues:Always ensure your RV is level when the refrigerator is operatingTurn off the refrigerator when refueling or during extended uphill drivesClean the burner assembly seasonallyImprove ventilation with auxiliary fans in hot weatherLet the refrigerator cool down completely before loading food (usually 8-12 hours)Dont overcrowd the refrigerator; leave room for air circulationCommon Models and Specific IssuesDifferent Norcold models have specific quirks:N6XX/N8XX series: Prone to cooling unit failures; subject to class action lawsuits due to design issuesPolar series: Less prone to cooling unit failures but more sensitive to levelingNewer models (1210/1211): Improved cooling units but more complex electronicsWhen a Replacement Might Be BetterIf youve had recurring issues or your unit is older, consider:Installing a new cooling unit from alternative manufacturers like JC RefrigerationConverting to a residential-style compressor refrigerator (requires more battery power but more reliable cooling)Upgrading to a newer model with improved designAdvanced Troubleshooting For Persistent ProblemsCooling Performance TestSet your refrigerator to the coldest settingPlace thermometers in the freezer and fresh food sectionsCheck temperatures after 8 hours of operationFreezer should be below 0F (-18C)Fresh food section should be 34-40F (1-4C)Checking For BlockagesThe cooling unit may develop internal blockages that reduce efficiency:Run the refrigerator for an hourFeel the cooling units pipes at the backYou should feel a temperature gradienthot near the boiler, cool near the condenserIf the entire unit feels the same temperature, you likely have a blockage in the cooling system.By following this comprehensive guide, you should be able to diagnose and potentially fix your Norcold RV refrigerators cooling issues. Remember that safety comes firstif you smell ammonia or see yellow residue, ventilate the area and consider professional help for cooling unit replacement. If youre an RV enthusiast, then you know the importance of a reliable refrigerator while on the road. Norcold refrigerators are renowned for their performance and efficiency, but like any appliance, they can sometimes encounter issues. Understanding how to troubleshoot a Norcold RV refrigerator can save you time, stress, and money during your travels. This detailed guide will explore common problems and their solutions, ensuring you keep your perishable items cool and your adventures seamless. Understanding Your Norcold RV RefrigeratorBefore diving into troubleshooting, its essential to familiarize yourself with the basics of your Norcold RV refrigerator. They primarily operate using three methods of cooling: absorption, electric, and propane. Understanding how these systems work will help you identify where the problem lies.Absorption CoolingNorcold refrigerators typically use a ammonia-based absorption system. This system consists of a few key components:Evaporator: Cools the air inside the lining.Condenser: Releases heat collected from the refrigerant.Absorber: Helps maintain the refrigerant cycle.Power SourcesNorcold refrigerators can operate on various power sources:110V AC Electricity: Regular plug-in power found at campsites.12V DC Electricity: Battery-operated, ideal for boondocking.Propane: Works independently of electricity, crucial when no power source is available.Common Problems with Norcold RV RefrigeratorsNow that you understand how your Norcold RV refrigerator operates, lets look into the common issues you may encounter.1. Refrigerator Not CoolingOne of the most prevalent issues RV owners face is a refrigerator that fails to cool. This can stem from various factors including power source issues, mechanical failures, or user error.Check the Power SourceFirst, ensure your refrigerator has power. This can involve: Testing outlet connections. Checking battery levels if on 12V. Ensuring your propane tank is full and connections are secure.Inspect the ThermostatA malfunctioning thermostat can prevent the refrigerator from cooling effectively. Calibrate the thermostat setting and ensure its not set too high.Evaluate the Cooling UnitIf the refrigerator is still not cooling, the issue may lie within the cooling unit: Inspect for visible damage or corrosion. Ensure the evaporator and condenser coils are clean, as dirt can obstruct airflow.2. Frost BuildupFrost accumulation is another common issue that can impact performance.Check the Door SealA faulty door seal can cause warm air to enter and cool air to escape: Inspect for gaps, tears, or dirt in the seal. Clean the gasket with warm, soapy water to maintain a better seal.Keep the Refrigerator LevelNorcold refrigerators function best when level. An unbalanced fridge can lead to improper coolant circulation. Use a level to check, and adjust your RV accordingly.3. Noise and VibrationAnother noticeable problem can be excess noise and vibration. This could point to several possible issues.Inspect the Fans and CompressorsListen closely to identify where the noise may be coming from: Inspect the evaporator fan for obstructions. Check the compressor for signs of failure.Check for Loose PartsRattling or vibrations may also be due to loose components within the RV or the refrigerator itself. Tighten any loose screws and ensure everything is securely in place.4. Propane IssuesIf your Norcold refrigerator runs on propane, you may face unique challenges.Check the Propane SupplyStart by examining your propane tank: Ensure its filled and the valve is open. Inspect your gas lines for leaks or blockages.Inspect the Ignitor and BurnerThe ignitor or burner may need cleaning or replacement: Clean the burner for proper gas flow. Test the ignitor to ensure it produces a spark.Steps to Troubleshoot Common IssuesNow that we have identified the symptoms, lets outline a step-by-step plan for troubleshooting your Norcold RV refrigerator.Step 1: Analyze the ProblemDetermine the symptoms of the issue you are facing. Take notes on any unusual behaviors, sounds, or indicators.Step 2: Perform Basic ChecksConduct general checks: Ensure the refrigerator is receiving power. Check the settings on the thermostat.Step 3: Inspect the Cooling SystemFor cooling problems, conduct a detailed inspection of the cooling unit and its surroundings.Step 4: Address Door and SealsInspect seals and doors thoroughly. A broken seal can lead to various issues. Replace them if necessary.Step 5: Evaluate the Propane SystemIf you suspect propane issues, follow safety protocols to check connections, supply, and burner systems.Step 6: Consult a ProfessionalIf all else fails, or youre unsure about troubleshooting steps, its advisable to contact a professional technician who specializes in RV appliances. They can perform a thorough inspection and provide necessary repairs.Preventative Measures for Your Norcold RefrigeratorTaking care of your Norcold RV refrigerator can minimize the likelihood of problems arising in the future.Regular MaintenancePerform routine checks to ensure peak performance. Regular maintenance can include: Cleaning the exterior and coils. Checking the power sources. Inspecting propane lines for leaks.Proper Loading TechniquesHow you load your refrigerator can affect its performance. Avoid overcrowding, and ensure air can circulate freely around items.Monitor Temperature SettingsKeep a thermometer inside your refrigerator to ensure it remains within the safe temperature range, ideally between 32F and 40F.In ConclusionTroubleshooting a Norcold RV refrigerator may seem daunting, but with a clear understanding of the appliance and a systematic approach, you can tackle most issues that arise. By regularly maintaining your refrigerator and knowing symptoms to look for, you can keep your fridge running smoothly and enjoy your travels without interruption. Remember, if problems persist beyond your expertise, dont hesitate to seek professional help. Happy travels, and may your adventures be filled with refreshing drinks and delicious meals!What should I do if my Norcold RV refrigerator is not cooling properly?If your Norcold RV refrigerator is not cooling properly, the first step is to check the power supply. Make sure that the refrigerator is plugged in and that the circuit breaker hasnt tripped. If you are using propane, ensure that the gas valve is open and that the propane tank is full. Another important factor to consider is the temperature settings; verify that they are set correctly for your cooling needs.Additionally, examine the interior air circulation. Make sure that the vents inside the refrigerator arent blocked by items. If theres an excessive buildup of ice, it may be necessary to manually defrost the unit. A clean and unobstructed refrigerator can significantly enhance cooling efficiency, so regularly check seals and clean the coils at the back of the unit to ensure optimum performance.Why is my Norcold refrigerator making strange noises?Strange noises from your Norcold refrigerator can often be attributed to the compressor or the cooling fans. If the refrigerator is running on propane, rumbling or clinking noises might indicate that the combustion process is occurring correctly, but excessive or unfamiliar sounds could mean a malfunction. Listen closely to identify the source, as some sounds are normal while others could signify an issue that needs addressing.Another common cause of noise is items rolling around inside the unit. Make sure your food and other items are securely stored. If the noises persist and are disruptive, consider turning off the unit and inspecting it for any loose parts or obstructions that may be causing the sounds. If all else fails, consult a technician who specializes in Norcold refrigerators for further diagnosis.How can I clear an error code on my Norcold refrigerator?To clear an error code on your Norcold refrigerator, start by turning off the unit completely for several minutes. Disconnect

ensure it runs well. But if there is no obstruction and the fan spins below normal speed, check for gummed-up dirt and try to run the fan with your fingers. You can salvage the situation by spraying penetrating oil on the motors shaft.If this fails, then there is a need for replacement. To change the fan, unfasten the screws supporting it and gently remove it from the cavity. Remove the old motor from the mounting bracket and replace it with the new one. You can get a replacement fan from a local appliance part store.The evaporator fan is responsible for drawing air from the refrigerator and blowing it over the evaporator coil. The air later becomes cool and flows out through the vents. If the fan does not run while the compressor runs, the cooling unit may find it hard to generate cool air. Follow the procedure below to carry out a condenser fan replacement.Unplug your refrigerator from the socket and empty it of the contents. Remove the storage baskets, shelving pins, and freezer shelves. Afterward, unscrew the rear wall from the freezer and pull out the evaporator panel.See also Frigidaire Refrigerator Is Not Making Ice [How to Fix]Once you see the fan exposed, remove all the wire connectors or harnesses from the fan motor to release the fan from the freezer. Also, ensure you take out the fan blade and mounting clip. Connect the new motor with the wire connectors and insert it into the shroud. Cover the fan motor properly, mount the fan blades, and screw in the mounting bracket or clip.Finally, return the evaporator fan to the freezer and secure the freezer wall with previously removed pins.If a Norcold refrigerator does not run on propane, check that the refrigerator has a 12-volts DC supply voltage. The Panel circuit board (PC board) needs a 12-volts DC supply and a 120-volts AC supply to function properly.Put on the propane stove and check that the flame burns steadily. Follow the instructions on the manufacturers manual for burner area tune-up. It entails cleaning the burner tube and the propane jet and setting the igniter gap.If the refrigerator still does not cool, take out the PC board, clean it with DeOxit and inspect the electrical connections. This way, you can get insight into the issue.[amalinkspro type=showcase asin=B004ZMC944 apilink= new-window=true addtocart=true nofollow=true sc-id=6 imgs=LargeImage link-imgs=false specs=[VERSATILITY]: Can be used in RVs, boats, cars or even when camping or at home btn-color=#ff9900 btn-text=Buy on Amazon alignment=aligncenter hide-prime=0 hide-image=0 hide-price=0 hide-button=0 width=600]NORCOLD INC 1.1 cu. ft. Portable Refrigerator/Freezer for RV, Trucks, Boats, Camping NRF30, Gray (NRF-30)[/amalinkspro]If the freezer chamber of your refrigerator gets cool before the refrigerator compartment, the refrigerator could be experiencing airflow problems. The freezer uses a diffuser to transfer cold air into the refrigerator. If ice blocks the diffuser duct, there is little or no movement of cool air. You can check to see if the evaporator fan is working.If there is no noise, you should check later. You might have to call an experienced technician if the fan works properly.Poor air circulation is one of the primary reasons your Norcold RV refrigerator is not cooling at the bottom. Cold air is heavy and tends to drop to the bottom of the refrigerator or freezer. Therefore, the bottom is usually the coldest part of any refrigerator. However, if that area has cooling issues, something is obstructing the airflow, preventing it from reaching the bottom.Check your refrigerator arrangement and organization. If you put too many things in the refrigerator, they will restrict air circulation. This is especially true if the items are room temperature or hot; the refrigerator will have a harder time cooling.Therefore, rearrange or reduce the items to create better room for airflow. Ensure nothing blocks the vents because the cold air in the refrigerator comes from the freezer. Obstructing the vents only creates a cooling problem.If the problem persists, you may have a sealed system leak. Check for any yellowish residue inside or around the refrigerator. It is a sign that the appliance is leaking ammonia, and you must turn it off and get professional assistance. Sometimes, you can still salvage the cooling system if a technician works on it on time. Otherwise, you may need a new refrigerator or cooling system.Need expert help? Click here to use the chat box on this page to speak with a verified appliance technician right away. No need for expensive in-home service calls. No appointments. No waiting. This guide is for you if your Norcold refrigerator wont chill using gas or electricity. Additionally, you will learn how to diagnose and repair a refrigerator that is not chilling even when the freezer is. Norcold refrigerator cooling issues are quite distinct from those with other household refrigerators. mostly because Norcold refrigerators employ the gas absorption method instead of compressors as domestic refrigerators do. The hydrogen, ammonia, sodium chromate, and water phase changes of the cooling unit of the Norcold refrigerator are used to extract and absorb heat. However, the rate at which the coolant can flow through the condenser coilswhich is governed by gravitydetermines the amount of absorption. To operate effectively, the cooling unit must be level; otherwise, the coolant cannot flow through the coils, leading to typical Norcold refrigerator issues. In general, more recent Norcold refrigerator generations may continue to operate, although briefly. Typically, the cooling system might become irreparably damaged if the refrigerator has not been level for 30 minutes. In this scenario, you start to have ongoing refrigerator issues that would need the purchase of a new refrigerator or the construction of a new cooling system. By purchasing a hydraulic automatic leveler for an absurdly little cost, you may eliminate these issues. The leveler should be put on a tiny shelf in the freezer before stabilizing your refrigerator. Check the level to make sure the liquid is in the middle of the circle after the refrigerator has settled. The refrigerator is not level if the liquid is outside of the circle. Check the level after making a few positional tweaks. To level the refrigerator in truck campers, you may have to use leveling blocks and hydraulic jacks. Legs made of wood or plastic may be used as levelers. More importantly, make sure that each time you pull up, you check the level of your refrigerator. Additionally, if your refrigerator hasnt worked in a while, it can act strangely. The refrigerant does not flow when the refrigerator is turned off. As a consequence, silt buildup and inadequate operation may occur. Norcold NR751BB Nr751Bb Dc Refer 2.7 Cu Ft Hermetically sealed, very silent compressor The information on product costs and availability is correct as of the specified date and time but is subject to change. This product may be purchased using any pricing and availability details that are shown on [relevant Amazon Site(s), as applicable] at the time of purchase. The refrigerator is constructed with a number of sections that work together to provide adequate cooling. Weve included a few parts that may be able to point out any cooling-related issues. First off, a Norcold refrigerators cooling system relies on gravity to work. To function correctly in this scenario, the cooling unit has to be level. These refrigerators are designed to operate more effectively at typical room temperatures. They may struggle to cool down if the outside temperature is too high. This is necessary because cold air is required for the condenser fins on top of the cooling unit to function correctly. By taking off the condenser panel outside the refrigerator, you may reach the condenser fins. Make sure your refrigerator has adequate space for ventilation and that there are no blockages. Without an external fan, you may simply mount the fan underneath the cooling system in an RV refrigerator. The refrigerators thermistor then enables it to maintain a certain range of cooling temperatures. The thermistor activates its cooling cycle when the temperature starts to increase. You can check the thermistor if your fridge starts to malfunction. Within the refrigerator compartment, the thermistor is concealed by a tiny plastic cover that is fastened to the surface of the ceiling, rear wall, or sidewall. Take a look at how the refrigerator cools by removing the thermistor from behind the plastic cover. If it cools perfectly, the thermistor has to be replaced since it is defective. Consider purchasing a high-velocity cooling fan if you have examined all the places mentioned above and the refrigerator is still not cooling. To guarantee optimal airflow, the fan should be positioned behind the cooling device. In the refrigerator chamber, you may also install an internal aerator fan facing the condenser fins. See how to troubleshoot the heating system of a refrigerator that is not cooling as you want it to in the video down below. How to repair Refrigerator Freezer Not Cold Enough Troubleshooting Heater Element AdamDIY Investigate the following parts if your Norcold refrigerator isnt cooling in electric mode: The condenser coils are found behind the refrigerator, and they are where the compressor of the refrigerator pushes out compressed refrigerant vapor. Pushing generates heat, which eventually cools and is returned to the refrigerator. The compressor or compressor start relay may be faulty if the cooling fan is working but the refrigerator compartment is not cooling. The steps listed below should be followed to solve this issue: The compressor is located in a tiny space behind the refrigerator, to start. It is a little, cylindrical, black object with cables attached to it. The start relay is located within the compressor; connect it to the compressors rear. You must shut off the power supply and lift the refrigerator away from the wall in order to reach both components. The start relay may be physically tested to determine its state of operation. Simply unhook the compressors start relay and give it a little shake. If it rattles inside, the start relay has to be replaced since it is damaged. If there isnt any rattling, the start relay is working properly, and the compressor itself may be the source of the issue. Compressor replacements may be costly and time-consuming. Pull the refrigerator away from the wall, switch off the power supply, detach the back panel, and then replace the compressor. If there are metal guards around the compressor, you must remove them. The compressor should then be disconnected from the capacitor, as well as the discharge and suction lines. The hot gas released by the compressor must be transported to the evaporator coils through condenser coils. The coolant condenses to a liquid as it passes through the coils. The refrigerant has a difficult time circulating through the condenser coils if they are blocked, which may further limit how cold the refrigerator can become. Find the condenser coils to clean up blocked coils. The coils are the tiny, tangled black tubes found behind the refrigerator. They feature a passageway that descends to the freezers actual interior from the compressor section. The coils should then be cleaned to guarantee optimal ventilation. Before cleaning or doing any other work on the refrigerator, dont forget to cut off the power supply. To clean accumulated debris, pull the refrigerator away from the wall and use a vacuum brush. If the surface of the coils is still not clean enough, wipe it off with a clean towel and little water. The compressor and condenser coils are kept cold by the condenser fan. The fan is made to run whenever the compressor is running. The compressor will overheat if the fan isnt running while its operating, which might cause major, expensive damage. Disconnect the refrigerator from the power source to diagnose condenser fan problems. Find the fan by removing it from the wall. In most cases, the fan is situated next to the compressor and condenser coils in a tiny hollow. Next, take note of the fans rotation. If anything is keeping the fan from spinning properly, remove it and see how it operates. Check for dirt buildup and attempt to run the fan with your fingers if there is no blockage and the fan is spinning less quickly than usual. Spraying penetrating oil on the motor shaft can help you turn things around. If this doesnt work, a replacement is required. To replace the fan, unscrew the bolts holding it in place and take care not to damage it. Replace the old motor with the new one after removing it from the mounting bracket. A local appliance component shop is where you may get a replacement fan. The air is drawn from the refrigerator and blown over the evaporator coil by the evaporator fan. Later, the air cools and exits via the vents. The cooling unit may struggle to produce cold air if the fan is not working while the compressor is operating. To replace a condenser fan, follow the steps listed below. Your refrigerators contents should be removed after unplugging it from the outlet. Remove the freezer shelves, shelf supports, and storage bins. After that, release the freezers back walls screws and remove the evaporator panel. To remove the fan from the freezer after it is exposed, remove all of the wire connections or the fan motors harness. Make careful to remove the mounting clip and fan blade as well. The replacement motor should be plugged into the wire connections and then placed within the shroud. After attaching the fan blades and securely covering the fan motor, attach the mounting bracket or clip. Return the evaporator fan to the freezer, then use the pins you previously removed to secure the freezer wall. Check the refrigerators 12-volt DC supply voltage if a Norcold refrigerator wont operate on propane. A 12-volt DC source and a 120-volt AC supply are required for the Panel circuit board (PC board) to operate effectively. Turn on the propane stove, and ensure a consistent flame is burning. For burner area tune-up, according to the directions in the manufacturers handbook. Cleaning the burner tube, the propane jet, and adjusting the igniter gap are all required. Take off the PC board, clean it with DeOxit, and check the electrical connections if the refrigerator is still unable to chill. In this manner, you may learn more about the problem. Your refrigerator may be having ventilation issues if the freezer compartment cools down before the refrigerator section. The diffuser is often used by the freezer to provide cold air into the refrigerator. The diffusion of chilly air is reduced or eliminated if ice plugs the diffuser duct. You can see whether the evaporator fan is running by checking. You should check again later if there is no noise. If the fan is functioning correctly, you may need to contact a qualified specialist. Updated on October 28, 2023Electric items may malfunction anytime and are no exception for Norcold RV refrigerators. Similar to all RV refrigerators, they are not completely resistant to breakdown. The most common problem is the Norcold RV refrigerator not cooling.Most often, it happens because of some defective components. The unleveled cooling unit and problems in the compressor and condenser coils are the prime reasons for the issue. The fixation method requires troubleshooting these components.Continue reading to learn the troubleshooting process.If you need help with your Norcold RV refrigerator, there could be a few common reasons why its not cooling. I discussed the reasons, troubleshooting process, and fixations in this section.Due to the unleveled cooling unit, the refrigerator coolant fails to flow through the coils and perform appropriately. It happens because of the unavailability of sufficient cooling in the refrigerator.If the appliance stays unleveled for at least half an hour, the cooling unit will be damaged. In the worst case, you will be unable to repair it.If you have been experiencing a cooling problem for many days, you might need to replace the refrigerator.The below steps describe how to level your RV refrigerator.Step 01: Buy an automatic hydraulic leveler. Put it on the freezer shelf.Step 02: Now, start adjusting the refrigerator. Make sure the liquid at the center of the leveler is leveled correctly.Step 03: Using power jacks and leveling blocks might require to level the truck camper.Step 04: Small pieces of wood will be a good choice to be used as levelers. Ensure checking the level whenever adjusting.Read Also: What Causes Dometic Fridge Check Light: How to Fix it?The compressor compresses and pushes the refrigerant through the condenser coils. This coolant absorbs the heat from the items available inside the refrigerator. As a result, the interior remains cool.If you notice that the RV refrigerator is not cooling while you have a functional cooling fan, be sure the problem is with the compressor.Step 01: Turn the refrigerator power supply off and unplug it.Step 02: Take out the refrigerator from the wall. Find out the compressor. It is a compact and cylindrical component having cords attached to the refrigerator.Step 03: Locate the start relay. Check whether it is working perfectly.Step 04: Disconnect the start relay from the compressor. Shake it and be attentive whether you hear any sound.What are you hearing? A defective start relay produces a rattling sound, be sure it requires replacement. While if you dont hear such a sound, the problem is with the compressor.Step 05: Now, unfasten the back panel. Generally, compressors are protected by a metal guard; remove it when replacing the compressor. Moreover, the compressor is connected to the suction line, capacitor-discharge, and capacitor. Disconnect the refrigerator from all these items.Step 06: Finally, replace the compressor with the help of a professional.Important Note:Replacing a compressor is expensive. In fact, buying a new refrigerator will be beneficial since it will be cost-efficient if your RV refrigerator is oldThe hot gas passes through the condenser coils from the compressor to the evaporator coils. During this operation, hot gas turns into a liquid while getting pushed via the coils.If you experience a Norcold RV refrigerator not cooling, the culprit could be the malfunctioning condenser coil. The refrigerant circulation might not happen through the coils as it should due to the clogged condenser coils.Check it by following the below steps.Step 01: Turn the refrigerator power supply off and unplug it.Step 02: The condenser coils are available behind the refrigerator; locate it. These coils are tube-like components interwoven with black-colored items that pass from the compressor compartment to the freezer.Step 03: You might have seen accumulated debris in the coils. Use a vacuum brush to clean the debris.Step 04: Then soak a clean rag in warm water. Use the rag to wipe off the surface of the coils.Step 05: Finally, reassemble the refrigerator. Connect it to the power source. Now check if the problem is resolved.Read Also: Why Everchill RV Fridge Not Cooling: How to Fix it?The condenser fan doesnt run all the time. It operates only when the compressor is running. This component is responsible for keeping the compressor and condenser coils cool.But it can malfunction and fail to cool the compressor. Thus, the compressor gets overheated and causes cooling problems in the RV refrigerator.Find the troubleshooting process for the malfunctioning cooling fan.Step 01: Turn the refrigerator power supply off and unplug it.Step 02: Take out the refrigerator from the wall. This will help you access the components effortlessly.Step 03: Check whether any obstructions are preventing the fan from spinning. If there are any obstacles, prevent them.Step 04: If obstructions are unavailable and the fan is spinning more slowly than usual, look for any fort buildup. It would be best if you manually rotate the fan.Step 05: Lubricate the motors shaft by spraying penetrating oil.Step 06: Still facing the problem? It is high time to replace the condenser fan.Step 07: Get a screwdriver and unfasten the screws used to support the fan. Then take the fan off the cavity.Step 08: Remove the old motor from the mounting bracket. Install the new fan and reassemble the RV refrigerator.Another common reason RV refrigerators fail to cool is the faulty evaporator fan. The functionality of the evaporator fan is to blow air over the evaporator coil to keep it cool. When cool air fails to generate, this function fails. Consequently, the replacement of the faulty evaporator fan is required.Below I shared the replacement procedure step-by-step.Step 01: Turn the refrigerator power supply off and unplug it. Take all the content out of it.Step 02: Freezer shelves and storage buckets also need to be removed. Also, the rear wall requires unfastening from the refrigerator wall.Step 02: Pull the evaporator panel out and find out the evaporator fan. Disconnect all the cables, mounting clips, and fan blades, and uninstall the fan from the refrigerator.Step 03: Then, connect all the wires of the new fan motor. Next, ensure proper coverage of it. After that, the fan blades need to be mounted, and use a mounting bracket to fix them.Step 04: Last, get the screws that you removed earlier and fit the fan back. Reinstall the whole appliance.Read Also: Why Everchill RV Refrigerator Light Blinking: How to Fix it?When maintained properly, you will get many years of efficient service from an RV appliance. The Norcold RV refrigerator is also no exception. Here are a few maintenance tips.Avoid keeping your RV refrigerator directly under sunlight. The interior will have difficulty staying cool if the outside temperature exceeds 85 degrees.Dont open the refrigerator door frequently. Also, dont keep the door open for a long time. Usually, RV refrigerators take a long time to recover their coolness. When the outside is warm, it can take at least 1 hour to regain the coolness it lost.Avoid overloading the refrigerator with stuff. Keep some room inside the refrigerator. This will ensure cool air circulation.Dont store hot food or drinks in the freezer. Leave them outside to cool down. Once the food temperature reaches room temperature, store them inside.Dont turn the RV refrigerator off unless there is no food. If there is no food and you havent used the refrigerator for some days, turn it on for at least 24 hours before using it.Read Also: Why Unique Propane Fridge Wont Stay Lit: How to Fix it?Norcold RV refrigerator not cooling is a common problem. Solving these issues by yourself is possible if you have basic knowledge about the refrigerator. Otherwise, I recommend calling a professional.Zayan is an accomplished author and a go-to expert for all things RV and camper-related. With a passion for adventure and a knack for problem-solving, he has spent years exploring the open road and fine-tuning his knowledge of recreational vehicles.Zayans writing is a testament to his expertise, offering readers practical solutions to common RV dilemmas. Whether its troubleshooting mechanical issues, optimizing space, or planning the perfect road trip, Zayans insightful advice and engaging storytelling make him an invaluable resource for both seasoned travelers and newcomers to the world of RVing.When youre on the road, the last thing you want is for your Norcold RV refrigerator to act up. Trust me, Ive been there. A malfunctioning fridge can quickly turn a dream trip into a logistical nightmare. But dont worry, Ive got your back.In this guide, Ill walk you through some common issues and troubleshooting tips to get your Norcold RV refrigerator back in working order. Whether its not cooling properly, making strange noises, or displaying error codes, well tackle these problems head-on so you can get back to enjoying your adventure.Common Issues:Problems like the refrigerator not cooling, strange noises, and leaks are typical in Norcold RV refrigerators.Specific issues may relate to thermistor failure, blocked vents, and power inconsistencies.Problems like the refrigerator not cooling, strange noises, and leaks are typical in Norcold RV refrigerators.Specific issues may relate to thermistor failure, blocked vents, and power inconsistencies.Troubleshooting Steps:Key areas to check include the power supply, thermostat settings, electrical connections, and condenser coils.Regular cleaning and maintenance help prevent breakdowns and ensure efficient cooling.Key areas to check include the power supply, thermostat settings, electrical connections, and condenser coils.Regular cleaning and maintenance help prevent breakdowns and ensure efficient cooling.Understanding Error Codes:Error codes such as n, o, and r offer diagnostic clues about issues like thermistor problems, over-temperature protection failures, and cooling unit faults.Addressing these codes promptly is crucial for effective troubleshooting.Error codes such as n, o, and r offer diagnostic clues about issues like thermistor problems, over-temperature protection failures, and cooling unit faults.Addressing these codes promptly is crucial for effective troubleshooting.Maintenance Tips:Regular cleaning of the refrigerator, defrosting procedures, and seasonal checks can enhance performance and prevent common problems.Focus on areas such as door seals, food compartments, and condenser coils to maintain optimal functionality.Regular cleaning of the refrigerator, defrosting procedures, and seasonal checks can enhance performance and prevent common problems.Focus on areas such as door seals, food compartments, and condenser coils to maintain optimal functionality.When to Seek Professional Help:Persistent issues, electrical problems, and warranty considerations are scenarios where professional assistance is recommended.Certified technicians can provide accurate diagnostics and repairs, ensuring safety and compliance with warranty terms.Persistent issues, electrical problems, and warranty considerations are scenarios where professional assistance is recommended.Certified technicians can provide accurate diagnostics and repairs, ensuring safety and compliance with warranty terms.Norcold RV refrigerators, while reliable, can face several common issues. These problems often require simple troubleshooting to resolve.When a Norcold RV refrigerator doesnt cool, several factors could be at play.Thermistor Failure: One common cause is thermistor failure. Faulty thermistors prevent proper cooling. Check the fault codes in the manual, particularly on page 5 for the Norcold 1210 model, to diagnose this issue.Cooling Unit, Fan, or Thermistor Issues: If the freezer works but the refrigerator compartment doesnt, the cooling unit, fan, or thermistor might need attention. Examine each component to identify any malfunction.Power Issues: Ensure the power switch/thermostat isnt in the OFF position. Confirm that vents arent blocked and the power source is reliable. These simple checks often resolve cooling problems.Strange noises from a Norcold RV refrigerator are typically indicators of specific issues.Intermittent Beeping Alarm Tone: This noise usually means the refrigerator is overheating, often due to high ambient temperatures. To fix this, turn the thermostat to the OFF position, wait for the temperature to drop, and set it back to the desired setting.Fan Noise: If you hear a loud fan, it may be due to debris blocking the fan blades. Clean the area around the fan to remove any obstructions. This should reduce or eliminate the noise.Leaks inside the Norcold RV refrigerator can cause serious issues if not promptly addressed.Water Leakage: Check if water is pooling inside. This often results from a blocked or frozen drain tube. Clean or thaw the drain tube to resolve the issue.Refrigerant Leaks: Refrigerant leaks are harder to diagnose but can affect cooling. Look for signs such as an oily residue inside the refrigerator. If suspected, contact a professional for repair since handling refrigerants requires expertise.Here are detailed steps to troubleshoot your Norcold RV refrigerator and keep it functioning at its best.Ensure the power supply is stable to avoid performance issues. First, verify the power switch or thermostat isnt in the OFF position. The refrigerator should be correctly installed with unblocked vents. Confirm the power source is serviceable and inspect the fuse or circuit breaker to ensure its intact. If traveling, double-check the RVs battery charge and connections.Electrical connections play a significant role in refrigerator performance. Begin by checking the DC power supplys polarity. Incorrect polarity can damage the inverter. Inspect wiring for any signs of wear or loose connections, and ensure all plugs are firmly seated in their sockets. Pay attention to the control board which can sometimes have insecure connections affecting overall functionality.Incorrect thermostat settings can lead to cooling inefficiencies. Make sure the thermostat isnt in the OFF position. Set it to the desired temperature and allow the refrigerator a few hours to adjust. If the temperature inside doesnt stabilize, consider recalibrating the thermostat. Sometimes, a faulty thermostat may cause cooling issues, in which case, replacement may be necessary.Condenser coils need regular cleaning to avoid cooling issues. Dust and debris can accumulate, blocking airflow. Use a vacuum or brush to clean the coils thoroughly. Perform this maintenance at least twice a year, or more frequently if you travel in dusty environments. Clean coils ensure efficient cooling and prolong the refrigerators lifespan.Norcold RV refrigerators display specific error codes to indicate various issues. Understanding these codes helps in troubleshooting and repairing the refrigerator effectively.Error code n typically points to a problem with the thermistor, the temperature-sensing device. This issue might arise due to several reasons:Faulty Thermistor: A malfunctioning thermistor cant accurately measure the temperature, leading to incorrect readings. Replacing the thermistor is usually the solution.Incorrect Installation: If the thermistor isnt installed correctly, it wont function as needed. Ensuring proper placement according to the manufacturers instructions can resolve this.Wiring Issues: Damaged or loose wiring can prevent the thermistor from communicating with the control board. Inspecting and repairing or replacing faulty wires can fix the problem.For example, if the refrigerator intermittently cools down or shows erratic temperature readings, these could be signs pointing to error code n. Checking and addressing these potential issues can ensure the fridge maintains its correct temperature.See also Fix LiftMaster 880LMW Smart Control Panel Not Working IssuesError code o generally signals an issue with the over-temperature protection. Several common causes include:High Temperatures: Excessive heat inside the refrigerator might trigger this error. Checking and removing any obstructions around the refrigerators vents can help.Malfunctioning Thermostat: A faulty thermostat may fail to regulate temperature properly. Replacing the thermostat can address this issue.Cooling System Blockage: Any blockage in the cooling system can cause overheating. Cleaning condenser coils and checking for any obstructions can prevent this problem.For instance, if the refrigerators interior feels unusually warm even though being set at a low temperature, addressing these areas can alleviate the over-temperature problem indicated by error code o.Error code r usually denotes a problem with the refrigerators cooling unit. Possible reasons for this error include:Faulty Cooling Fan: A malfunctioning cooling fan wont distribute cold air efficiently. Replacing the fan typically solves this problem.Condenser Coil Blockage: Blocked condenser coils hinder heat dissipation. Cleaning these coils ensures proper heat exchange and cooling.Low Refrigerant Levels: Insufficient refrigerant can lead to inadequate cooling. Refilling the refrigerant or addressing leaks can rectify this issue.For example, if the refrigerator isnt cooling as expected and displays error code r, checking these components can help restore its functionality. Addressing the cooling unit issues can ensure the refrigerator keeps items at the desired temperature.Maintaining a Norcold RV refrigerator involves several strategic steps, ensuring optimal performance. Regular cleaning, defrosting procedures, and seasonal checks are essential practices.Maintaining a clean refrigerator enhances cooling efficiency. I clean the food compartment and freezer to avoid frost buildup. By wiping surfaces regularly, I prevent mold and unpleasant odors. Important areas include door seals and shelves. Dirty seals can affect the doors ability to close properly, leading to temperature fluctuations. I use a mild detergent and warm water for thorough cleaning, paying special attention to corners and hidden spots where grime can accumulate.Defrosting is crucial for maintaining performance. I check for frost buildup frequently, as too much frost can impair cooling. To defrost, I turn off the refrigerator, open the doors, and let the ice melt naturally. I avoid using sharp objects to remove ice to prevent damage. Place towels around the base to catch water. Once thawed, I wipe the interior dry before turning the unit back on. Consistent defrosting ensures the refrigerator runs efficiently.Seasonal checks help anticipate and prevent issues. Before summer trips, I examine the refrigerators cooling efficiency, ensuring its ready for higher ambient temperatures. I inspect the door seal for any wear and replace it if necessary. During winter, I clean the vents and remove dust from the condenser coils. Proper ventilation is key, so I ensure no obstructions behind the refrigerator. Regular seasonal checks minimize unexpected problems during trips, keeping the refrigerator in top condition.Some issues with Norcold RV refrigerators call for expert intervention. Knowing when to seek professional help can save time, money, and ensure safety.If my refrigerator isnt cooling properly, has excessive frost buildup, or makes unusual noises even though troubleshooting, I seek professional help. Persistent issues often indicate deeper problems. For example, if the cooling unit fails, Id notice inconsistent temperature or a complete lack of cooling. In these cases, a certified technician can provide accurate diagnosis and repair.See also HP Printer P2015 Error Symbols: Troubleshooting Guide & TipsWhen dealing with electrical problems, professional assistance is crucial. If I encounter blown fuses, tripped circuit breakers, or malfunctioning circuit boards, I rely on a certified technician. Electrical issues can stem from faulty wiring or component failures, posing risks if not handled correctly. According to Norcolds guidelines, attempting electrical repairs without proper expertise could void warranties and lead to further damage.If my Norcold RV refrigerator is under warranty, contacting Norcold customer support or an authorized service center is essential. They guide me on troubleshooting and repair procedures covered under the warranty. Using unauthorized repair services can void the warranty, leading to potential costs. Professional services ensure compliance with warranty terms and offer certified repair solutions.Following these guidelines ensures my Norcold RV refrigerator is well-maintained and any issues are professionally addressed, ensuring optimal performance during travels.Troubleshooting your Norcold RV refrigerator can seem daunting but with the right steps its manageable. Regular maintenance and prompt attention to issues like leaks and cooling problems are essential. While DIY fixes can resolve many problems dont hesitate to seek professional help for persistent issues or electrical concerns. Ensuring your fridge is in top shape will make your travels more enjoyable and worry-free. Remember to always follow the manufacturers guidelines and keep up with seasonal checks to extend the life of your appliance. Safe travels and happy camping!Common issues include cooling problems, leaks, and unusual noises, often due to thermistor failure or cooling unit issues.Check the power supply, inspect electrical connections, verify thermostat settings, and clean the condenser coils.Address leaks promptly to prevent further damage. Inspect for the source of the leak and consult a professional if necessary.Unusual noises may be due to mechanical issues or failing cooling units. Inspect the refrigerator and seek professional help if the noise persists.Regular cleaning, routine defrosting, and seasonal checks can help maintain your refrigerators performance.Seek professional help for persistent issues, electrical problems, or when dealing with warranty considerations.Proper defrosting procedures are crucial to ensure efficient cooling and performance of your Norcold RV refrigerator.Electrical problems can occur and should be inspected and repaired by a professional to avoid further complications.Ensuring that repairs and troubleshooting are in compliance with warranty terms is important for proper diagnosis and repair.Regular maintenance, prompt issue resolution, and professional inspections help optimize performance during travels. Have you noticed your Norcold RV refrigerator not cooling? Well, this can be a frustrating situation. It is likely possible that a defective component like a compressor or power board is to blame. But, dont worry! We have got you covered. Continue reading to learn about the 6 problems with solutions and restore the cooling again. So, lets jump into the details! A Norcold RV refrigerator is a special kind of fridge made specifically for recreational vehicles. It is designed to fit in smaller spaces and is very lightweight for easy transportation. With that, lets have a look at how these refrigerators differentiate from those in households: One of the main differences between a Norcold RV fridge and a household fridge is the size. RV fridges are generally smaller due to the limited space inside an RV. They are designed to maximize storage efficiency. While still providing enough space to keep food and drinks cool. Another important feature of Norcold RV refrigerators is their ability to operate using different power sources. While household fridges are typically connected to electrical outlets. The ones in Norcold RV can run on various power options, such as: Batteries, Propane, Solar energy. Additionally, Norcold RV refrigerators are built to withstand the vibrations and movements that occur while driving on the road. Regular household fridges are not designed for this kind of constant motion. Norcold RV refrigerators come in three different types, each offering distinct power options. Understanding how these refrigerators work will help you in diagnosing the problems. Lets learn about them below: This type of RV fridge can be powered by two sources, electricity or propane. AC power is the same kind of power used in regular homes, and LP usually refers to propane gas used in RVs. Three sources can power these types of fridges: Electricity (AC power), Propane (LP power), Direct Current (DC). AC power and propane are the same as in the two-way fridge. DC is referred to as lower voltage power (12 volts) that comes from a battery, like the ones found in vehicles. This type of fridge only uses electricity (AC power) to operate. It can be powered by plugging it into an electrical outlet using an extension cord. Most domestic fridges use compressors to cool things down, but the case is different with Norcolds as they use a gas absorption system instead. So, this means there are specific reasons why they might have cooling unit issues. Lets know the causes that most RV people face with their Norcold RV refrigeration units! If the cooling unit is not level, the coolant in the refrigerator does not flow properly through the coils. This leads to a common issue of not having enough freezing in the refrigerator. If your refrigerator stays unlevel for more than 30 minutes, the cooling system unit can get damaged and cant be fixed. Here is how you can fix the balancing issue which results in defective cooling: Pick up or buy an automatic hydraulic leveler and place it on a shelf inside the freezer. Ensure the refrigerator is properly leveled, with the liquid positioned in the center of the circle. Using power jacks and leveling blocks to achieve a balanced position is the best option for truck campers. Make use of small wooden pieces as levelers and assess the balance each time you make an adjustment. The fridge uses a special liquid called refrigerant, which is pushed by the compressor to cool it down. This liquid takes away the heat from the RV fridges components and makes them cold. If your fridge is not getting cold, even if the fan that cools it is working, the issue is probably with the refrigerator compressor or its starting relay. First, make sure to turn off the power and disconnect the refrigerator from the electrical outlet. Then, proceed with these instructions: Gently move the refrigerator away from the wall to find the compressor. Locate the compressor start relay; it is a small device connected to the compressor. Next, perform a simple test by turning on the freezer and observing if the compressor starts functioning. Following this, disconnect the relay from the compressor by unplugging it. Give it a gentle shake and listen for any rattling noise. If you hear anything, it indicates that the relay is broken and requires replacement. In case you do not hear any noise/sound when shaking the relay, it is understood that the issue lies with the compressor itself. Replacing the compressor can be quite costly. Depending on the age and extent of damage to your RV fridge, it might be more financially reasonable to purchase a new refrigerator instead. If you decide to replace the compressor, you will need to unscrew the back panel. This will help you remove a metal guard that protects the compressor. Then, you should disconnect the compressor from a few other parts, like the capacitor and the suction line. Once done, you can add a new one with ease. At times, the Norcold RV Refrigerator may experience issues with its condenser coils. These coils are responsible for converting the gas into a liquid as it passes through them. However, if you notice that the freezer of your RV fridge is cold. While the main compartment remains warm, it could be due to blockage in the condenser coils. This blockage hampers the proper movement of the gas, leading to temperature imbalances. Prior to beginning, it is necessary to turn off the power to your refrigerator compartment. Once that is done, follow these guidelines: Locate the condenser coils placed at the back of the refrigerator. You will notice small black tubes connecting the compressor to the freezer section. Operate a vacuum brush to thoroughly clean the coils, ensuring the removal of any accumulated dirt or debris. Dampen a clean cloth with water and gently wipe the surface of the coils to clean them further. Reassemble the refrigerator, plug it back in, and observe if this resolves the issue. The Norcold RV refrigerator includes a component known as the condenser fan. Its purpose is to cool down the refrigerators compressor and condenser coils. Especially when the compressor compartment is operational. If the condenser fan fails to work while the refrigerator is running, it can result in the refrigerator overheating. To begin, disconnect the refrigerator from the power source by unplugging it. Then, carefully move the refrigerator away from the wall. This will provide you with ample space to perform the necessary tasks. Find the condenser fan. Its located in a small space next to the compressor and coils. Check if anything is blocking the fan from spinning properly. If there is, remove the blockage. If the fan spins slower than it should, even without any obstructions, try turning the fan manually. Also, check if theres any dirt or debris stuck to the fan. You can try using a special oil spray to lubricate the fans shaft. If none of these steps fix the problem, you might need to replace the condenser fan. To do this, remove the screws that hold the fan in place and take it out of the small space. After that, take out the old motor from the bracket and install the new replacement fan. Put everything back together. Another reason why your Norcold RV refrigerator may have a problem is because of a broken evaporator fan which helps to make the fridge cold. It operates by blowing air over special evaporator coils inside. The fridge will be unable to transfer cold air properly if the fan doesnt work. First, make sure the power is turned off and unplug the refrigerator. Take out all the things inside the fridge and freezer. Then, follow these instructions: Remove the baskets and shelves from the freezer, and unscrew the back wall of the freezer. Take out the panel that covers the fan and find the fan itself. Disconnect all the wires connected to the evaporator fan, remove the fan blade, and take off the clips holding the fan in place. Get a new fan motor and connect the wires to it. Make sure everything is properly covered, including the evaporator coil. Attach the fan blades and use the bracket to fix them in place. Put the panel back in place using the screws you took out earlier, and reinstall the refrigerator evaporator fan. You can check if the flames of the propane stove are steady and adjust the burner area according to the user manual. If your refrigerator does not work with propane, it needs a 12V DC and a 120V AC power supply to function. Clean the tube that carries propane to the burner and adjust the gap of the igniter as instructed. Although, if the refrigerator continues to have issues, it may be necessary to clean the circuit board using a product like DeOxit. Ensure that all electrical connections are firmly secured and properly connected. Double-check that there are no loose or disconnected wires. When the board has no power, inspect a small black-colored board known as the high-temperature safety switch. In the event boiler temperature goes beyond the safe limit, a red light will ignite. This action also prevents electricity from reaching the refrigerator to ensure its safety. If this situation occurs due to a sudden surge of power, you can resolve it by merely resetting the switch. But if you detect a smell of ammonia or notice a yellow powder-like substance close to the cooling unit, switching off the refrigerator immediately is highly recommended. This indicates a leak in the cooling unit, and it must be replaced. When there is electricity flowing to the board, verify whether the voltage remains unchanged. Before and after a 5A DC fuse located on the rear power board. In case the voltage does not remain consistent, it indicates a possible problem with the power board. Consequently, you will need to replace the complete board kit based on the model of your refrigerator. If your Norcold RV refrigerator doesnt work with gas, there are some things you can check to find out whats wrong with the cooling unit. First, make sure the refrigerator has a power supply of 12 volts DC. It also needs a power of 120 volts AC to work properly. Next, check if the flame on your propane stove burns steadily. Follow the instructions in the manufacturers manual to tune up the burner area. This involves cleaning the burner tube and the propane jet and adjusting the igniter gap. If the refrigerator still doesnt cool after these steps, follow the instructions given below: You can try taking out the Panel circuit board (PC board). Clean it with DeOxit and examine the electrical connections. This way, you might be able to figure out whats causing the problem. Below, we have discussed some simple tips for taking care of your Norcold RV refrigerator. With these, you can maintain the life of your RV refrigerator unit: Avoiding Sun Contact: Dont put your refrigerator directly under the sun. When it gets too hot outside (over 85 degrees), it becomes harder for the fridge to stay cool inside. Dont Leave the Door Opened: Try not to leave the door open for too long as it will take time to get cold air again. Even just one minute of the door being open can take about an hour to regain its coolness if its warm outside. Avoid Overfilling: No need to put too much food inside the fridge because it needs space for cool air circulation. If its too full, you can use a small fan that runs on batteries to help circulate the cool air inside. Dont Store Very Hot Items: Before putting hot food or drinks in the refrigerator, let them cool to ambient temperature first. Putting hot things inside can make it harder for the fridge to stay cold. Advice for Running an Unused Fridge: If you havent used the ref