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This is the service manual for the generator set (genset) models listed on the front cover. Read and carefully observe all of the instructions and precautions contained in this manual. Failure to do so could result in serious injury or death. Introduction This service manual provides comprehensive information on the Onan Marquis Gold 5500 generator
set, covering operation, maintenance, troubleshooting, and parts identification. It is designed to assist technicians and owners in understanding the generator's functions, performance, longevity, and safety of your Onan Marquis
Gold 5500 generator set. The Onan Marquis Gold 5500 generator set is a reliable and powerful source of electricity for a variety of applications, including recreational vehicles (RVs), marine vessels, and emergency backup power. This manual will guide you through the proper procedures for starting, stopping, and operating the generator, as well as
performing regular maintenance tasks to keep it running smoothly. Remember, following the instructions in this manual will help you avoid potential hazards and ensure the safe and efficient operation of your generator. If you encounter any difficulties or have questions, consult a qualified technician for assistance. Generator Set Models The Onan
Marquis Gold 5500 generator set is available in various configurations to meet specific power requirements and application needs. These models are designed for both residential and commercial use, offering reliable and efficient power generation. The generator set models typically include a range of features, such as: Engine Type: Onan Marquis
Gold 5500 generator sets commonly utilize gasoline-powered engines, providing a reliable and readily available fuel source. Power output, Capable of powering essential appliances and devices. Voltage and Frequency. The generator sets typically operate at 120/240 volt, 60 Hz,
compatible with standard North American electrical systems. Noise Reduction: Some models incorporate noise-reducing features, such as insulated enclosures or mufflers, to minimize sound levels during operation. Optional Features incorporate noise-reducing features in minimize sound levels during operation.
available depending on the specific model and configuration. To ensure compatibility and proper operation, consult the specific model specifications and user manual before selecting an Onan Marquis Gold 5500 generator set for your application. Safety Precautions Operating a generator set involves inherent risks and requires strict adherence to
safety precautions. Failure to follow these safety guidelines could result in serious injury or death. It is essential to understand and follow these precautions before operating the Onan Marquis Gold 5500 generator set. Carbon Monoxide (CO) Poisoning. Never operate the generator set indoors, in enclosed spaces, or near windows or vents. CO is a
colorless, odorless gas that can be deadly. Ensure adequate ventilation and fresh air circulation when using the generator. Electrical connections are secure. Fire
Hazards: Keep the generator set area free from flammable materials, such as gasoline, oil, or combustible debris. Never refuel the generator while it is running. Allow the engine to cool completely before refueling. Mechanical Hazards: Use caution when working around moving parts, such as the engine, drive belt, or fan. Never attempt to make
repairs or adjustments while the generator is running. Ensure all guards and safety devices are in place and functioning properly. Personal Protection, when operating or servicing the generator set. Always refer to the specific safety instructions
provided in the Onan Marquis Gold 5500 generator set manual for detailed safety guidelines and procedures. Generator Operation The Onan Marquis Gold 5500 generator, carefully review the instructions and safety precautions in this manual.
Understanding the proper operating procedures will ensure safe and efficient operation of the generator set is equipped with a variety of features to enhance its performance and reliability. These features include: Automatic Starting System: The generator set is equipped with a variety of features to enhance its performance and reliability.
providing uninterrupted power to your essential equipment. Engine Protection System: The engine is equipped with a protection system to prevent damage from overheating, low oil pressure, or other potential problems. Fuel Management System: The fuel tank is designed to provide a sufficient fuel supply for extended operation, and the fuel
management system helps to ensure efficient fuel consumption. Regular maintenance is crucial for ensuring the long-term performance and reliability of the generator set. Follow the maintenance schedule outlined in this manual to keep the generator set. Follow the maintenance schedule outlined in this manual to keep the generator in optimal operating condition. Starting and Stopping Procedures The Onan Marquis Gold 5500
generator set is designed for easy starting and stopping. To start the generator, first, ensure the fuel tank is filled with the appropriate type of fuel. Next, check the oil level and add oil if necessary. Connect the generator to the load you wish to power. The generator can be started manually using the start switch or automatically using the automatic
start system. To stop the generator, simply press the stop switch. The generator will shut down smoothly and safely. Always allow the proper starting and stopping procedures to ensure the safe and efficient operation of the generator.
Failure to follow these procedures could result in damage to the generator or injury to the operator. Refer to the detailed instructions provided in the Onan Marquis Gold 5500 generator starting Devices The Onan Marquis Gold 5500 generator.
set can be equipped with an automatic start system, making it convenient for providing uninterrupted power in case of an outage. The automatic start system is designed to monitor the incoming power supply and automatic start system is designed to monitor the incoming power supply and automatic start system.
continuous power, such as homes, businesses, and critical infrastructure. The automatic start system typically includes a control panel with settings for configuring the generator from a distance. The system is designed
to be reliable and easy to use, providing a convenient and efficient way to ensure power availability during emergencies. For specific details about the automatic start system available for your Onan Marquis Gold 5500 generator, consult the service manual or contact an authorized Onan dealer. Breaking in Your New Generator Breaking in your new
Onan Marquis Gold 5500 generator is essential for maximizing its lifespan and performance. This process involves running the generator under controlled conditions for a specific period to allow the engine components to wear in properly and to ensure optimal lubrication. During the break-in period, it's important to avoid overloading the generator
and to operate it within the recommended load range. Gradually increase the load over time, allowing the engine to warm up properly before applying full power. Avoid prolonged idling, as it can lead to excessive wear on engine components. Check the oil level frequently during the break-in period and change the oil after the first few hours of
operation. Consult the service manual for specific break-in guidelines and recommended oil change intervals. Following these recommendations will help ensure your Onan Marquis Gold 5500 generator operates efficiently and reliably for years to come. Maintenance Regular maintenance is crucial for keeping your Onan Marquis Gold 5500 generator
running smoothly and reliably. It helps prevent premature wear and tear, ensures optimal performance, and extends the generator's lifespan. The key maintenance tasks include. Oil and Filter Change: This should be done every 100-150 hours of running time, or at least annually. Use oil viscosity based on the outside air temperature. Consult the
service manual for specific recommendations. Air Filter Inspection and Replacement: Check filters every 50 hours and replace as needed. A dirty air filter restricts airflow to the engine, reducing performance and increasing fuel consumption. Cooling System is functioning system is functioning system is functioning system.
properly. A clogged or malfunctioning cooling system can lead to engine overheating. Spark Plug Inspection and Replacement. Inspect spark plugs for wear and fouling. Replace them according to the manufacturer's recommendations. Battery Maintenance. Keep the battery terminals clean and free of corrosion. Check the battery electrolyte level and
charge the battery as needed. Oil and filter Change Changing the oil and filter is a crucial maintenance task for your Onan Marquis Gold 5500 generator. It helps remove contaminants and ensures proper lubrication, extending the engine's life. Here's how to perform an oil and filter change. Warm Up the Engine. Start the generator and let it run for
a few minutes to allow the oil to thin and circulate. This makes draining easier. Locate the Drain Plug. Identify the oil drain plug, usually located at the bottom of the engine oil pan. Place a suitable drain plug. Be cautious as hot oil will be discharged.
Allow the oil to drain completely. Replace the Drain Plug: Once the oil filter, typically situated near the top of the engine. Use a filter wrench to loosen and remove the filter. Install New Filter: Apply a thin coat of fresh oil to the new filter's
sealing gasket. Thread the new filter onto the housing, tightening it by hand until the engine crankcase with the recommended type and quantity of oil, as specified in your generator's service manual. Consult the dipstick to ensure the oil level
is within the recommended range. Start and Check: Start the generator and check for any leaks. Run the generator for a few minutes to allow the oil to circulate and check the dipstick again to verify the oil level. Dispose of the used oil and filter responsibly, following local environmental regulations. Air Filter Inspection and Replacement A clean air
filter is essential for your Onan Marquis Gold 5500 generator's optimal performance and longevity. A clogged filter restricts airflow, reducing power output and increasing fuel consumption. Here's how to inspect and replace the air filter. Locate the Air Filter. The air filter housing is usually situated near the carburetor or intake manifold. It may be a
cylindrical or rectangular box with a cover. Remove the Cover: Unlatch or unscrew the cover of the air filter element inside. Inspect the Filter element. If it's visibly dirty or clogged with dust and debris, it needs replacement. Remove the Old Filter. Carefully remove the old filter element from
the housing. Install the New Filter: Insert the new air filter element into the housing, ensuring it's properly seated. Replace the Cover: Securely reattach the air filter every 50 hours of operation or more frequently in dusty environments. Replace
the filter as needed. Troubleshooting If your Onan Marquis Gold 5500 generator experiences problems, it's important to troubleshooting. Review the Owner's Manual. Start by consulting your generator's owner's manual. It often includes
a troubleshooting section with common problems and solutions. Check the Basics: Verify that the generator is properly connected to the power source, fuel is available, and the circuit breaker is not tripped. Check for Warning Lights or Codes: Observe the generator's control panel for any warning lights or error codes. These can provide valuable
clues about the problem. Inspect for Loose Connections: Carefully examine all electrical connections and ensure they are secure and free of corrosion. Test the Fuel System: If the generator is not starting or running properly, check the fuel lines for leaks or blockages, and verify that the fuel filter is clean. Check the Spark Plugs: Inspect the spark
plugs for wear, fouling, or damage. Replace them if necessary. If you're unable to diagnose or resolve the problems on the problems of the problems of the problems of the problems of the problems. Understanding these codes can help you can be problems of the problems of
diagnose and resolve issues more efficiently. The codes are usually displayed on the generator's control panel may have indicator lights that blink in a specific pattern to represent a fault code. Two-Digit Codes: Some models display two-digit fault codes on a
digital display. Service Manual. Your generator's service manual will contain a comprehensive list of fault codes and their interpretations may vary depending on the model and year of your Onan Marquis Gold 5500 generator. Always refer to the service manual for
the most accurate information. If you blink you may miss it. That may be a bad pun, but it is the truth when it comes to Onan generator will send out a code to tell you the problem. If you blink, you may miss the number of the error code. How to Read Onan Generator Fault Codes: It's not hard to read the
Onan Fault Code blink system, once you get used to it. They use a blink and pause design to make their numbered codes clear and not confusing. For example, if the light blinks 5 times then pauses, then blinks 1 more time, that signifies Fault Code 51.To learn more about the different Onan Fault Codes, what they mean and how to fix the problem,
just keep reading our article. All the information is here for you to learn from. Onan Fault Code 2 - Low Oil PressureThis code will only blink twice. It shows that the generator is low on oil and you need to add more. Twist off the yellow cap
to look at the gauge and see how much more you need to put in. Just remember to not over-fill your oil tank. Too much oil is not a good thingCode 3 - Service CheckWhen you see this code, it indicates that there is a problem somewhere on your Onan generator. You will get 3 flashes then a pause, then 3 flashes, then a pause and on it goes till you press
the button to get the secondary code. The secondary code will give you the specific problem that is wrong with your generator Code 4 - Over Crank The first thing you need to do when you see this code is to try to reset your control board. You do this by turning the switch off and then hit the reset button. Next, you need to turn the switch back to run. If
it starts you are fine. If it doesn't and the code returns, then you need a new control boardCode 12 - Over VoltageThis problem comes from a faulty inverter and that part is overcharging the generator. The only way to solve this Fault Code problem is to take the generator to a qualified Onan dealer or repair shop. Alternative sources for this code may
be a lack of fuel or a clogged filter problem. Then you just add more fuel or replace/clean the filterCode 13 - Under Voltage levels. There is a simple fix to this problem. Unplug all unneeded appliances while the air conditioner and battery charger are running. Another
source for this problem would be that the engine slowed down for a variety of reasons like a lack of fuel. Code 14 - Over FrequencyThis code could be one of the following reasons: air leak at the intake, carb, and linkages not properly installed, misadjusted governor, broken
governor. Check your frequency levels first. Then clean or replace your carb, check to make sure the linkage is not reversed or replace the governor. For more info, read our Onan generator fault code 14 guide. Code 15 - Under Frequency This is the opposite of the above code. When you see this number, your engine is running too slow. The solution
may be that everything was not connected properly or that the governor is in the wrong spot. It has to be in the 5th notch from the right. If the generator still flashes, you may have restarted your generator in under a minute and are running in ERO mode. You get the engine running but no power in this mode. Turn the generator off and wait for at
least 2 minutes before restarting. Code 19 - Governor Actuator Overload The governor has one wire to the controller and one wire for ground. If either one is loose, that will trigger this code. All you have to do is tighten the loose wire and you should be good to go. If that doesn't work or the wires are tight, the manual states that you are to go to a
certified Onan repairman and get the problem looked at.Code 23 - Low Oil Pressure Cutoff SwitchThis code would indicate a problem with the cutoff switch and you probably won't be able to fix it yourself. The manual states that you need to go to the nearest certified Onan dealer to get the problem solved for
you. There will be a lot of these type of solutions throughout this code explanationCode 27 - Voltage Sense ErrorWhat this fault code tells you is that the controller cannot sense the output voltage. Again, this problem may be beyond your expertise to repair. The manual states that the only solution is to go to your authorized Onan dealer to rectify the
issue.Code 29 - High Battery VoltageThis is the simple way to say that the voltage across your battery system is more than 19 volts. What you need to do is check your battery bank connections and if necessary, reconnect them in the proper order.12-volt connections need to be parallel and 24-volt connections are done n a series. Another solution
would be to set a lower battery boost charge rateCode 31 - Overspeed3 flashes, a pause and then one flash tells you do not confuse 13 with 31. You can double-check by pressing the stop button 3 times in 5 seconds. Once you return to the initial 3 flashes press
the stop button again to get the secondary code to double-check your first reading. When you confirm the 31 code, you need to take the generator to the certified Onan dealer to get it fixedCode 32 - Low Cranking SpeedThis code informs you that your cranking speed is below 180 rpms for 2 seconds. To solve this problem, you need to clean the
battery connections, or recharge/replace the batteries or replace the batteries or replace the engine oil with the proper viscosityCode 35 - Control Card FailureDuring a self-test you may see this code pop up. The generator is telling itself that there is an error in the microprocessor EEPROM. You won't be able to fix this issue and need to take it to the certified Onan dealer
near you. Code 36 - Engine StoppedThat is without command by you. You could be out of fuel or you have a low LPG pressure issue, or you have to clean or replace the air cleaner or check for some other mechanical failure. Code 37 - Invalid Generator Set Configuration This
conditioner and other appliances to make sure there is not a problem with them. Code 41 - Generator RotorYour controller is not sensing either field or output voltage. This is probably another issue you will not be able to fix yourself and the manual says for you to take your generator to an authorized Onan dealer for repairs. Code 42 - ProcessorThis
number tells you that your Onan generator detected an error within its Microprocessor RAM and see above to find the fix. Code 43 - Speed Sense All
this fault code is saying is that your controller is not sensing the quadrature frequency. The simple fix for you. Code 47 - IgnitionOnce again the issue lies with the controller. It is not in bad shape, but it cannot sense any ignition when you try to start
your generator. This also is an issue for your certified Onan dealer to handle.Code 48 - Generator's operating system. This time it is the field voltage that escapes its attention. See your authorized Onan dealer to fix this problem.Code 51 - ProcessorThis is another
key code telling you that there is a problem with the installed microprocessor. You will need to see your gualified Onan dealer to get this taken care of. Code 52 - Fuel Injector. This is another problem the manual says you need to take to your Onan dealer to get it taken care of. Code 54 - MAT
SenderThe MAT sender has an open or short circuit in it and it may be beyond your abilities to fix yourself. The manual states to bring your generator to your trusty Onan dealer to fix. Code 56 - MAP SenderThis is not the same as your
Mat solution. Code 57 - Over PrimeWhen your prime mode goes past 3 minutes, then this error code will appear. Check for and then remove any object that may be keeping the control switch in the prime position code 58 - Exhaust Gas Temperature ShutdownWhat causes this error code is a lean fuel supply, restricted exhaust system, bad ignition
system, bad heat sensor, and other issues. To keep your warranty valid, you need to take your generator to your local Onan dealer for diagnosis and repair. Code 81 - Exhaust Gas Temperature Sensor OpenThis may mean that your temperature sensor is stuck open and will not close. It is best if you take your generator to your local Onan dealer to have
them repair the problemCode 82 - Exhaust Gas Temperature Short circuit and it is a problem you should not deal with yourself. Your local authorized Onan dealer has the tools and expertise to fix this issue for youOnan Generator Code Reset Resetting your Onan Generator is not that difficult. All you have to do is follow
these simple steps and you should be fine: Locate the primer button. This doubles as the start and stop button on your generator Run the generator for 15 minutes to see if the code has been cleared. If not, then you may need the help of a qualified nan
repairman to fix the problem Some Final WordsTechnology does bring a lot of wonderful toys to your life. It also helps make your life a little simpler. But the one drawback to new technology is that there is always some new problem that can arise. That is why learning and understanding fault codes is so important. Once you learn and understand them
you know what you have to do to solve the problem That knowledge also makes life a little simpler to liveDon't be afraid of technology, learn how to use it and learn the fault codes so you know what needs to be done next before you cause more problems that may raise your repair costs. If you blink you may miss it. That may be a bad pun, but it is the
truth when it comes to Onan generators. When something goes wrong, the generator will send out a code to tell you the problem. If you blink, you may miss the number of the error code. How to Read Onan Generator will send out a code to tell you the problem. If you blink, you may miss the number of the error code. How to Read Onan Generator will send out a code to tell you the problem. If you blink, you may miss the number of the error code. How to Read Onan Generator will send out a code to tell you the problem. If you blink, you may miss the number of the error code. How to Read Onan Generator will send out a code to tell you the problem. If you blink, you may miss the number of the error code. How to Read Onan Generator will send out a code to tell you the problem. If you blink, you may miss the number of the error code. How to Read Onan Generator will send out a code to tell you the problem. If you blink, you may miss the number of the error code. How to Read Onan Generator will send out a code to tell you the problem. If you blink, you may miss the number of the error code. How to Read Onan Generator will send out a code to tell you the problem. If you blink, you may miss the number of the error code. How to Read Onan Generator will send out a code to tell you the problem. If you blink, you may miss the number of the error code. How to Read Onan Generator will be a code to tell you the problem. If you blink, you may miss the number of the error code.
their numbered codes clear and not confusing. For example, if the light blinks 5 times then pauses, then blinks 1 more time, that signifies Fault Code 51. To learn more about the different Onan Fault Codes, what they mean and how to fix the problem, just keep reading our article. All the information is here for you to learn from. Onan Fault Codes are
easy to learn if you do not blink while they are sending their message. Onan Generator Fault Code 2 - Low Oil PressureThis code will only blink twice. It shows that the generator is low on oil and you need to add more. Twist off the yellow cap to look at the gauge and see how much more you need to put in. Just remember to not over-fill your
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of fuel.Code 14 - Over FrequencyThis code tells you that the engine is running too fast and the sources for this code could be one of the following reasons: air leak at the intake, carb, and linkages not properly installed, misadjusted governor, broken governor. Check your frequency levels first. Then clean or replace your carb, check to make sure the
linkage is not reversed or replace the governor. For more info, read our Onan generator fault code 15 - Under FrequencyThis is the opposite of the above code. When you see this number, your engine is running too slow. The solution may be that everything was not connected properly or that the governor is in the wrong spot. It has to
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pressure issue, or your spark plug leads may be loose, or you have bad spark plugs. Finally, you may have to clean or replace the air cleaner or check for some other mechanical failure. Code 37 - Invalid Generator Set Configuration This simple message simply says that your Onan generator is set at the wrong frequency. To correct this issue, you
should see your certified Onan dealer. They have the right tools to handle this problemCode 38 - Over Current (Field Overload)Or in simple English, you have too many appliances to make sure there is not a problem with them. Code 41 - Generator RotorYour
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should not tackle this problem yourself but take your generator to your nearest certified Onan dealer. Code 43 - Processor Fault Code 45 - Speed SenseAll this fault code is saying is that your controller is not sensing the quadrature frequency. The simple fix for this
issue is for you to bring your generator into the certified Onan dealer's shop and let them fix it for you. Code 47 - Ignition Once again the issue lies with the controller. It is not in bad shape, but it cannot sense any ignition when you try to start your generator. This also is an issue for your certified Onan dealer to handle. Code 48 - Generator Field
SenseOnce again, the controller is unable to sense a vital part of your generator's operating system. This time it is the field voltage that escapes its attention. See your authorized Onan dealer to fix this problem with the installed microprocessor. You will need to see your
qualified Onan dealer to get this taken care of. Code 52 - Fuel Injector Here you have an open or short circuit in your fuel injector. This is another problem the manual says you need to take to your Onan dealer to get it taken care of. Code 54 - MAT Sender The MAT sender that any open or short circuit in it and it may be beyond your abilities to fix
yourself. The manual states to bring your generator to your trusty Onan dealer to fix. Code 56 - MAP SenderThis is not the same as the MAT. But the problem is the same with an open or short circuit in your MAP sender. The solution is the same as the MAT. But the problem is the same as the MAT. But the problem is the same with an open or short circuit in your MAP sender. The solution is the same as the MAT. But the problem is the same with an open or short circuit in your MAP sender. The solution is the same as the MAT. But the problem is the same with an open or short circuit in your function.
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to your Onan dealer for diagnosis and repair. Code 81 - Exhaust Gas Temperature Sensor OpenThis may mean that your temperature Sensor is stuck open and will not close. It is best if you take your generator to your local Onan dealer to have them repair the problemCode 82 - Exhaust Gas Temperature Sensor is stuck open and will not close. It is best if you take your generator to your femous fem
is a problem you should not deal with yourself. Your local authorized Onan dealer has the tools and expertise to fix this issue for youOnan Generator code Reset Resetting your Onan Generator is not that difficult. All you have to do is follow these simple steps and you should be fine: Locate the primer button. This doubles as the start and stop button
on your generator Hold the button down for about 30 seconds- Release the button and then start your generator for 15 minutes to see if the code has been cleared. If not, then you may need the help of a qualified nan repairman to fix the problem Some Final WordsTechnology does bring a lot of wonderful toys to your life. It also
helps make your life a little simpler. But the one drawback to new technology is that there is always some new problem that can arise. That is why learning and understanding fault codes is so important. Once you learn and understanding fault codes is so important.
be afraid of technology, learn how to use it and learn the fault codes so you know what needs to be done next before you cause more problems that may raise your repair costs. Sometimes your Onan QG 5500 may refuse to start or suddenly stop working, and start displaying the fault code 3. This is a first-level fault code and it will be displayed almost
every time your generator is experiencing some issues. There are only two situations when the fault code 3. When the dipstick, or when the generator's engine is not getting any fuel for more than 30 seconds while
trying to start. When you take your RV out in the wild, you will need a power source you can count on providing the electricity for all of the appliances in your RV. If your QG 5500 generator is refusing to start while
you are preparing for your trip, there is no real reason to go on it before you fix the generator. So, how to fix fault code 3 on Onan generator? To solve the fault code 3 on Onan generator? To solve the fault code 3 on Onan generator.
 Press three times the STOP/PRIME button - Step 4: Indicator light will start blinking So, keep reading on to find out how to deal with the fault code 3 on your Onan QG 5500 generator you have installed in your RV. In case
that it isn't working, your RV trip can simply be ruined, as its job is to provide the electricity needed both for cooling and warming you up, but also running all your Onan QG 5500 generator starts blinking at you after it refused to start or
suddenly fell silent, it can be a very alarming experience for someone who is not experienced with operating this generator. But there aren't many reasons for some great alarm, many of the potential problems with Onan QG 5500 generator. But there aren't many reasons for some great alarm, many of the potential problems with Onan QG 5500 generator. But there aren't many reasons for some great alarm, many of the potential problems with Onan QG 5500 generator.
due to one of the other 29 possible second-level fault codes. Because covering all 29 possible second-level fault codes and the ways to troubleshoot them and repair is beyond the scope of this article, let's move on with how to deal with the first-level fault code 3 on your Onan QG 5500 generator. Read also: >> How to Fix Fault Code 12 on
Onan Generator? >> How to Fix Fault Code 14 on Onan Generator? >> How to Fix Fault Code 33 on Onan Generator? >> How to Fix Fault Code 32 on Onan Generator? >> How to Fix Fault Code 36 on Onan Generator? >> How to Fix Fault Code 37 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator? >> How to Fix Fault Code 38 on Onan Generator?
22 on Onan Generator? >> How to Fix Fault Code 29 on Onan Generator? Whenever you have an issue with your Onan QG 5500 generator before you start troubleshooting for the exact cause of the problem, you need to make sure what code you are getting. Chances are that if you are reading this article you already
know which fault code is your Onan QG 5500 generator is displaying. But if you don't know how to read the code, and just have experienced a sudden shutdown or refusal to start, here is the procedure you need to follow to read the fault code. "Onan QG 5500 generator has a simple, yet elegant way of displaying fault codes, an indicator light is
installed in the STOP/PRIME button, and it blinks the code." This code will be blinking for five minutes and then stop, so you shouldn't be alarmed if you do not initially see it, you can easily retrieve it. The first thing you will need is to locate the access hatch to your generator, either on the side or the back of your RV, and close to its bottom
edge.Once you have the hatch opened, you need to locate the STOP/PRIME button. Depending on the exact series of your Onan QD 5500 generator, it is either located in the lower right corner and visibly marked, or behind the service cover in the upper left corner. Now, you will need to press three times the STOP/PRIME button, which is the lower
half of it. From the first press, you have 5 seconds to press it two more times, so there is no hurry. But you must be careful not to hold it pressed for longer than a second. Once you release the button a third time the indicator light will start blinking. In case that you do have the fault code 3, it will blink three times in succession before pausing for a
short period. This pattern will then repeat, and go on for five minutes. So, if the indicator light on the STOP/PRIME button is flashing at you in a blink-blink-pause pattern, it means that you have the fault code 3 on your hands. You should be careful not to presume that it is a second-level fault code 33 because it is unassigned for Onan QG 5500
generators, along with fault codes 11, 22, 44, 55, and 88. The indicator light will continue flashing for five minutes or until you press the button it will start blinking the pattern for the second-level fault code, which is intended to precisely determine the reason why your
Onan QG 5500 generator is refusing to start or has suddenly stopped working. This new pattern will be split into two groups, the first one will be between 1 and 9 flashes for the second digit of the two-digit fault code. Between these two
groups of flashes there will be a pause, but after them will be a long one so you wouldn't confuse which one is the first and which is the first and which is the first and which is the second digit of the code. These are 13 and
31, 14 and 41, 15 and 51, 23 and 32, and 45 and 54. This flashing pattern repeats itself for five minutes, so you will have plenty of time to properly read the code, and make sure it is the correct one. Once you have the code you can start troubleshooting the exact problem that caused your Onan QG 5500 generator to stop or refuse to start. But before
you do anything, one warning, many potential problems require professional repair per conditions of your warranty, so if you wish to not void it, you should consult your dealership whether you should and what you can do to repair per conditions of your warranty, so if you wish to not void it, you should consult your dealership whether you should and what you can do to repair per conditions of your warranty, so if you wish to not void it, you should consult your dealership whether you should and what you can do to repair per conditions of your warranty, so if you wish to not void it, you should consult your dealership whether you should consult your dealership whether you should and what you can do to repair per conditions of your warranty, so if you wish to not void it, you should consult your dealership whether you should not you should n
hot fluids in it, and some technical knowledge of repairing and maintaining them is a prerequisite. Preventing the fault code 3 from reoccurring on your Onan QG 5500 generator entails making sure that you are following all of the periodic maintenance procedures per user manual and thus avoidable problems. First and most important is
the general inspection of your generator, every 8 hours of generator working. You will need to check the engine coolant level, and that the air inlet and outlet on the housing are not blocked by some debris, Every month you will
need to check, and if it needs to clean the battery, especially the terminal if they have any blemishes and start to corrode due to air humidity. Every 150 work hours you must replace the engine air filter, replace the engine air filter, and check the viscosity of
the coolant and replace it if needed, and adjust the valve lash per user manual if it is recommended for your series of QG 5500 generator. "Every 1,000 work hours you will need to flush the coolant pressure cap on the coolant recovery tank" Depending on the exact series of your
QG 5500 generator, at 1,000 work hours, you will also need to replace the engine V-belt, clean the erankcase breather, and replace the engine V-belt, clean the maintenance work you do on your Onan QG 5500 generator. It has near the end a table intended for keeping the maintenance record, and it
will be very useful to you down the line. The table conveniently has the fields for both date and the hour meter reading, so keeping the track of what you have done is very easy. Cummins Onan - RV Products - How to retrieve fault >> Check out the video below: References If you blink you may miss it. That may be a bad pun, but it is the truth when it
comes to Onan generators. When something goes wrong, the generator will send out a code to tell you the problem. If you blink, you may miss the number of the error code. How to Read Onan Generator Fault Codes: It's not hard to read the Onan Fault Codes blink system, once you get used to it. They use a blink and pause design to make their
numbered codes clear and not confusing. For example, if the light blinks 5 times then pauses, then blinks 1 more time, that signifies Fault Codes, what they mean and how to fix the problem, just keep reading our article. All the information is here for you to learn from. Onan Fault Codes are easy
to learn if you do not blink while they are sending their message. Onan Generator is low on oil and you need to add more. Twist off the yellow cap to look at the gauge and see how much more you need to put in. Just remember to not over-fill your oil
tank. Too much oil is not a good thingCode 3 - Service CheckWhen you see this code, it indicates that there is a problem somewhere on your Onan generator. You will get 3 flashes, then a pause and on it goes till you press the button to get the secondary code will give you the specific problem that is
wrong with your generatorCode 4 - Over Crank The first thing you need to do when you see this code is to try to reset your control board. You do this by turning the switch off and then hit the reset button. Next, you need to turn the switch back to run. If it starts you are fine. If it doesn't and the code returns, then you need a new control boardCode
12 - Over VoltageThis problem comes from a faulty inverter and that part is overcharging the generator. The only way to solve this Fault Code problem is to take the generator to a qualified Onan dealer or replace/clean the
filterCode 13 - Under Voltage This code tells you that the controller is incapable of maintaining proper voltage levels. There is a simple fix to this problem would be that the engine slowed down for a variety of reasons like a lack
of fuel. Code 14 - Over FrequencyThis code tells you that the engine is running too fast and the sources for this code could be one of the following reasons: air leak at the intake, carb, and linkages not properly installed, misadjusted governor, broken governo
linkage is not reversed or replace the governor. For more info, read our Onan generator fault code 15 - Under FrequencyThis is the opposite of the above code. When you see this number, your engine is running too slow. The solution may be that everything was not connected properly or that the governor is in the wrong spot. It has to
be in the 5th notch from the right. If the generator still flashes, you may have restarted your generator in under a minute and are running in ERO mode. You get the engine running but no power in this mode. Turn the generator off and wait for at least 2 minutes before restarting. Code 19 - Governor Actuator OverloadThe governor has one wire to the
controller and one wire for ground. If either one is loose, that will trigger this code. All you have to do is tighten the loose wire and you should be good to go. If that doesn't work or the wires are tight, the manual states that you are to go to a certified Onan repairman and get the problem looked at. Code 23 - Low Oil Pressure Cutoff SwitchThis code
would indicate a problem with the cutoff switch itself. There is a malfunction in the switch and you probably won't be able to fix it yourself. The manual states that you need to go to the nearest certified Onan dealer to get the problem solved for you. There will be a lot of these type of solutions throughout this code explanation Code 27 - Voltage Sense
ErrorWhat this fault code tells you is that the controller cannot sense the output voltage. Again, this problem may be beyond your expertise to rectify the issue. Code 29 - High Battery Voltage This is the simple way to say that the voltage across your battery
 system is more than 19 volts. What you need to do is check your battery bank connections and if necessary, reconnect them in the proper order.12-volt connections need to be parallel and 24-volt connections are done n a series. Another solution would be to set a lower battery boost charge rateCode 31 - Overspeed3 flashes, a pause and then one flash
tells you that your Onan generator is going faster than 3,400 rpm. The trick here is to make sure you do not confuse 13 with 31. You can double-check by pressing the stop button 3 times in 5 seconds. Once you return to the initial 3 flashes press the stop button again to get the secondary code to double-check by pressing the stop button 3 times in 5 seconds. Once you return to the initial 3 flashes press the stop button again to get the secondary code to double-check by pressing the stop button again to get the secondary code to double-check your first reading. When you confirm the
31 code, you need to take the generator to the certified Onan dealer to get it fixedCode 32 - Low Cranking SpeedThis code informs you need to clean the battery connections, or recharge/replace the batteries or replace the engine oil with the proper viscosityCode 35
- Control Card FailureDuring a self-test you may see this code pop up. The generator is telling itself that there is an error in the microprocessor EEPROM. You won't be able to fix this issue and need to take it to the certified Onan dealer near you. Code 36 - Engine StoppedThat is without command by you. You could be out of fuel or you have a low LPG
pressure issue, or your spark plug leads may be loose, or you have bad spark plugs. Finally, you may have to clean or replace the air cleaner or check for some other mechanical failure. Code 37 - Invalid Generator Set Configuration This simple message simply says that your Onan generator is set at the wrong frequency. To correct this issue, you
should see your certified Onan dealer. They have too many appliances running at the same time. Also, you should check your air conditioner and other appliances to make sure there is not a problem with them. Code 41 - Generator RotorYour
controller is not sensing either field or output voltage. This is probably another issue you will not be able to fix yourself and the manual says for you to take your generator detected an error within its Microprocessor Rom section. Again, you
should not tackle this problem yourself but take your generator to your nearest certified Onan dealer. Code 43 - Processor Fault Code 45 - Speed Sense All this fault code is saying is that your controller is not sensing the quadrature frequency. The simple fix for this
issue is for you to bring your generator into the certified Onan dealer's shop and let them fix it for you. Code 47 - IgnitionOnce again the issue lies with the controller. It is not in bad shape, but it cannot sense any ignition when you try to start your generator. This also is an issue for your certified Onan dealer to handle. Code 48 - Generator Field
SenseOnce again, the controller is unable to sense a vital part of your generator's operating system. This time it is the field voltage that escapes its attention. See your authorized Onan dealer to fix this problem. Code 51 - ProcessorThis is another key code telling you that there is a problem with the installed microprocessor. You will need to see your
qualified Onan dealer to get this taken care of. Code 52 - Fuel Injector. This is another problem the manual says you need to take to your Onan dealer to get it taken care of. Code 54 - MAT Sender The MAT sender has an open or short circuit in it and it may be beyond your abilities to fix
vourself. The manual states to bring your generator to your trusty Onan dealer to fix.Code 56 - MAP Sender This is not the same as the MAT. But the problem is the same as the MAT. But the problem is the same as the MAT. But the problem is the same as the MAT. But the problem is the same as the MAT. But the problem is the same with an open or short circuit in your MAP sender. The solution is the same as the MAT. But the problem is the same with an open or short circuit in your MAP sender. The solution is the same with an open or short circuit in your MAP sender.
will appear. Check for and then remove any object that may be keeping the control switch in the prime positionCode 58 - Exhaust Gas Temperature ShutdownWhat causes this error code is a lean fuel supply, restricted exhaust system, bad heat sensor, and other issues. To keep your warranty valid, you need to take your generator
to your Onan dealer for diagnosis and repair. Code 81 - Exhaust Gas Temperature Sensor OpenThis may mean that your temperature sensor is stuck open and will not close. It is best if you take your generator to your local Onan dealer to have them repair the problemCode 82 - Exhaust Gas Temperature ShortedYou have a possible short circuit and it
is a problem you should not deal with yourself. Your local authorized Onan dealer has the tools and expertise to fix this issue for youOnan Generator Code Reset Resetting your Onan Generator is not that difficult. All you have to do is follow these simple steps and you should be fine: Locate the primer button. This doubles as the start and stop button
on your generator Hold the button down for about 30 seconds- Release the button and then start your generator for 15 minutes to see if the code has been cleared. If not, then you may need the help of a qualified nan repairman to fix the problem Some Final WordsTechnology does bring a lot of wonderful toys to your life. It also
helps make your life a little simpler. But the one drawback to new technology is that there is always some new problem that can arise. That is why learning and understanding fault codes is so important. Once you learn and understanding fault codes is so important.
be afraid of technology, learn how to use it and learn the fault codes so you know what needs to be done next before you cause more problems that may raise your repair costs. If you blink you may miss it. That may be a bad pun, but it is the truth when it comes to Onan generators. When something goes wrong, the generator will send out a code to
tell you the problem. If you blink, you may miss the number of the error code. How to Read Onan Generator Fault Codes: It's not hard to read the Onan Fault Codes clear and not confusing. For example, if the light blinks 5 times then pauses, then
blinks 1 more time, that signifies Fault Code 51. To learn more about the different Onan Fault Codes, what they mean and how to fix the problem, just keep reading our article. All the information is here for you to learn from. Onan Fault Code List
Code 2 - Low Oil PressureThis code will only blink twice. It shows that the generator is low on oil and you need to add more. Twist off the yellow cap to look at the gauge and see how much more you need to put in. Just remember to not over-fill your oil tank. Too much oil is not a good thingCode 3 - Service CheckWhen you see this code, it indicates
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proper voltage levels. There is a simple fix to this problem. Unplug all unneeded appliances while the air conditioner and battery charger are running. Another source for this problem would be that the engine is running too fast and the
sources for this code could be one of the following reasons: air leak at the intake, carb, and linkages not properly installed, misadjusted governor, broken governor, broken governor. For more info, read our Onan generator fault
code 14 guide. Code 15 - Under Frequency This is the opposite of the above code. When you see this number, your engine is running too slow. The solution may be that everything was not connected properly or that the governor is in the wrong spot. It has to be in the 5th notch from the right. If the generator still flashes, you may have restarted your
generator in under a minute and are running in ERO mode. You get the engine running but no power in this mode. Turn the generator off and wait for at least 2 minutes before restarting. Code 19 - Governor Actuator OverloadThe governor has one wire for ground. If either one is loose, that will trigger this code. All you
have to do is tighten the loose wire and you should be good to go. If that doesn't work or the wires are tight, the manual states that you are to go to a certified Onan repairman and get the problem looked at. Code 23 - Low Oil Pressure Cutoff SwitchThis code would indicate a problem with the cutoff switch itself. There is a malfunction in the switch and
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Low Cranking SpeedThis code informs you that your cranking speed is below 180 rpms for 2 seconds. To solve this problem, you need to clean the batteries or replace the engine oil with the proper viscosityCode 35 - Control Card FailureDuring a self-test you may see this code pop up. The generator is
telling itself that there is an error in the microprocessor EEPROM. You won't be able to fix this issue and need to take it to the certified Onan dealer near you. Code 36 - Engine StoppedThat is without command by you. You could be out of fuel or you have a low LPG pressure issue, or your spark plug leads may be loose, or you have bad spark plugs.
Finally, you may have to clean or replace the air cleaner or check for some other mechanical failure. Code 37 - Invalid Generator Set Configuration This simple message simply says that your Onan generator is set at the wrong frequency. To correct this issue, you should see your certified Onan dealer. They have the right tools to handle this
problemCode 38 - Over Current (Field Overload)Or in simple English, you have too many appliances running at the same time. Also, you should check your air conditioner and other appliances to make sure there is not a problem with them. Code 41 - Generator RotorYour controller is not sensing either field or output voltage. This is probably another
issue you will not be able to fix yourself and the manual says for you to take your generator to an authorized Onan dealer for repairs. Code 42 - ProcessorThis number tells you that your generator to your generator to your nearest
certified Onan dealer. Code 43- Processor Fault Code. There is a problem with the Microprocessor RAM and see above to find the fix. Code 45 - Speed Sense All this fault code is saying is that your generator into the certified Onan dealer's shop and let
them fix it for you. Code 47 - IgnitionOnce again the issue lies with the controller. It is not in bad shape, but it cannot sense any ignition when you try to start your generator. This also is an issue for your certified Onan dealer to handle. Code 48 - Generator Field SenseOnce again, the controller is unable to sense a vital part of your generator's
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have an open or short circuit in your fuel injector. This is another problem the manual says you need to take to your Onan dealer to get it taken care of. Code 54 - MAT SenderThe MAT sender has an open or short circuit in it and it may be beyond your abilities to fix yourself. The manual states to bring your generator to your trusty Onan dealer to
fix.Code 56 - MAP SenderThis is not the same as the MAT. But the problem is the same with an open or short circuit in your MAP sender. The solution is the same as your Mat solution. Code 57 - Over PrimeWhen your prime mode goes past 3 minutes, then this error code will appear. Check for and then remove any object that may be keeping the
control switch in the prime positionCode 58 - Exhaust Gas Temperature ShutdownWhat causes this error code is a lean fuel supply, restricted exhaust System, bad ignition system, bad ignition system, bad heat sensor, and other issues. To keep your warranty valid, you need to take your generator to your Onan dealer for diagnosis and repair.Code 81 - Exhaust Gas
Temperature Sensor OpenThis may mean that your temperature sensor is stuck open and will not close. It is best if you take your generator to your local Onan dealer to have them repair the problem of th
Onan dealer has the tools and expertise to fix this issue for youOnan Generator Code Reset Resetting your Onan Generator is not that difficult. All you have to do is follow these simple steps and you should be fine: Locate the primer button. This doubles as the start and stop button on your generator Hold the button down for about 30 seconds- Release
the button and then start your generatorRun the generator for 15 minutes to see if the code has been cleared. If not, then you may need the help of a qualified nan repairman to fix the problem Some Final WordsTechnology does bring a lot of wonderful toys to your life. It also helps make your life a little simpler. But the one drawback to new
technology is that there is always some new problem that can arise. That is why learning and understanding fault codes is so important. Once you learn and understand them you know what you have to do to solve the problem That knowledge also makes life a little simpler to liveDon't be afraid of technology, learn how to use it and learn the fault
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codes so you know what needs to be done next before you cause more problems that may raise your repair costs.