One or more of your vehicles will have a LifeSafer® FC100 Interlock (a breath alcohol ignition interlock system) installed that requires you to complete a breath test before starting the vehicle. The LifeSafer System is intended to aid in determining your relative Breath Alcohol Concentration (BrAC) before you attempt to operate the vehicle. The LifeSafer System is not an indicator of your level of impairment or of your capability to safely operate the vehicle. You must rely upon your own judgment. If you have been drinking alcoholic beverages, please find an alternative form of transportation.

THE MANUFACTURER AND SERVICE PROVIDER DISCLAIM ALL WARRANTIES EXPRESSED OR IMPLIED AS TO THE SAFETY OF ANY PERSON OPERATING A VEHICLE AFTER USING THIS DEVICE OR DRINKING ANY AMOUNT OF ALCOHOL, OR PASSENGER IN ANY VEHICLE AFTER USE OF THIS SYSTEM AND DOES NOT IN ANY WAY GUARANTEE YOU OR ANY PASSENGERS SAFETY OR YOUR ABILITY TO SAFELY OPERATE ANY VEHICLE.

The Service Provider (including its employees, contractors and agents) shall not be responsible for any loss or damage to this System during its installation, use or removal of the System. The liability of the Service Provider shall be limited to repair or replacement of defective components. Such replacement shall be done during normal business hours at the Designated Service Center. In no event shall the Service Provider (including its employees and agents) be liable for any consequential loss or damage to the person or property of the Client or anyone else.

THE FOREGOING IS IN LIEU OF ANY WARRANTY BY THE SERVICE PROVIDER, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

BY SIGNING THE SERVICE AGREEMENT, AND/OR OPERATING THE FC100 INTERLOCK SYSTEM, YOU UNDERTAKE ALL THE RESPONSIBILITIES SET FORTH IN THIS DOCUMENTATION AND SUCH ACTION SHALL BE DEEMED AS EXPLICIT ACKNOWLEDGEMENT ON YOUR PART TO THAT REQUIREMENT.
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This handbook explains the use of the LifeSafer FC100 Breath Alcohol Ignition Interlock System, including client responsibilities, operation, program checks, reporting, and care of the unit. As a participant in the Interlock Program it is imperative that you read and fully understand the information contained in this handbook. You are expected to read this entire booklet during your Enrollment and Orientation to the Program. You are encouraged to write down any questions you have in the “Notes” section and ask your Service Provider or Probation Officer to answer them fully.

The LifeSafer FC100 is a hand held breath analyzer that will control the ability to operate a vehicle based on the breath alcohol content of the driver.

You will be enrolled into a Program and trained on proper use of the LifeSafer FC100 Interlock. You will have a service date programmed into the Device when you must return to the Service Center and have the event log (breath test readings) downloaded and reported to the referring Jurisdiction.

**WARNING:**

It is your responsibility to maintain your LifeSafer FC100 Interlock in good working order in a secure and safe operating environment. You will be held responsible for replacement of any lost or damaged unit at the cost listed in your lease agreement. For an additional monthly fee you can purchase a loss/damage waiver. Ask your Service Provider about costs, terms and conditions.
How it Works

The LifeSafer FC100 Handset takes your breath sample (approximately 5 seconds) into the fuel cell chamber. The presence of alcohol in the sensor chamber causes the fuel cell to produce an increased electrical current, which is measured and translated into an equivalent blood alcohol concentration (BAC). You must complete a breath test when requested and the Device will record your Breath Alcohol Concentration (BrAC).

Time to Test

When you are ready to take a test, the first step is turning your ignition switch to the “ON” position.

Once the Device wakes up and the WAIT light glows orange, turn the key back to the “OFF” position.

Following this and the subsequent steps is imperative for proper operation of the LifeSafer FC100 Ignition Interlock.
Taking a Test

Power Light **(Green)**

The **Green** POWER light will come ON after the ignition key is turned to the “ON” position and will go off when the vehicle is turned “OFF”. The POWER light will FLASH if the Device detects the vehicle battery voltage is low.

Wait Light **(Orange)**

Once a test has been initiated, the WAIT light glows indicating the sensor is warming up, and the Handset is preparing to accept a breath test.

Once the sensor is ready for a test the **Green** BLOW light comes on.

**NOTE:**

Under normal operating conditions, the WAIT light stays on momentarily while the sensor warms up. If you are operating your Device in extremely cold temperature conditions (~40°F), the Device can take up to 4 minutes to warm-up.
Taking a Test (Continued)

Blow Light (Green)
The BLOW light will flash green indicating the Device is ready for a breath sample. You will also hear 2 high pitched beeps while the BLOW light is flashing to alert you that a breath test is requested. Take a deep breath and immediately bring the Handset to your mouth to test.

While taking a test, you must also make a TONE, like a musical instrument. It is most easily accomplished by saying the word “DO”, “DAA” or “DEE” into the mouthpiece as you blow. The blowing pressure must be sufficient in strength and duration to ensure a proper and accurate test. When you start to blow and make the “DO” tone, (steady and solid, never too hard or too soft), the Device will emit a low sound, indicating that you are testing properly. Continue the test until the sound stops and a higher pitched tone sounds, about 5-7 seconds.

If you do not deliver a sufficient flow of air or the tone is not delivered properly, the Handset will sound a higher-pitched triple-beep and the red ABORT light will come on.

*If you do not hear the Device sound or the Device ABORTS stop blowing. You will have to start over.*

NOTE:

- You should concentrate more on blowing than on the tone.
- Extreme blowing pressure is not necessary.
- The tone must be delivered in a steady and continuous fashion.
- Deliver the same tone rather than going up or down the musical scale.
- You must say the tone continuously for the entire five seconds.
- It may help to bite down with your teeth and seal your lips on the mouthpiece.

Blowing and making a “DO”, “DEE” and “DAA” for a breath test will quickly become second nature to you. When you get home after leaving the Service Center or Probation Office, pass 3 tests in a row before your first required test. Do not blow too hard. Start the test blowing softly and increase your blowing pressure until you hear the tone that indicates you are blowing hard enough. Continue to blow steadily at that level for the length of the test.

TIP: PRACTICE! PRACTICE! PRACTICE!
Test Results

Pass Light (Green)

When the Device receives a proper breath sample the PASS light will glow and a triple tone will sound indicating a successful test.

You can start your vehicle!

Run Light (Green)

If the result of the test is a PASS or a WARN, the Device will subsequently Flash the RUN light and close the ignition relay, allowing a vehicle start. The relay will remain closed for 1 minute while waiting for the engine to start. If the engine is not started, the relay will open back up and the Device will go back to sleep and another test will need to be taken. When the engine is started, the RUN light will change from flashing to on steady.

Once the engine is shut off, the RUN light will flash for the duration of the Stall Protect period, when a re-start is allowed without requiring a test. Once the RUN light goes out, the Device will go into a “sleep state” where it is waiting for the driver to start a new test.
**Test Results (Continued)**

**Fail Light (Red)**

The Device has detected the presence of alcohol above the preset FAIL level.

The FAIL level is usually set at a low level of blood alcohol (one drink for most people).

**Warn Light (Orange)**

The Device has detected the presence of alcohol on your breath below the FAIL level.

A substance that left trace amounts of alcohol in your breath may have caused this. If that substance happens to be a recently consumed alcoholic beverage, you need to keep in mind that your blood alcohol level may be rising and you may FAIL on the next test and a Violation will be recorded.

**TIP**

Eating, drinking, using mouthwash, or medicines that contain alcohol immediately prior to a breath test may result in a FAILED test. If this happens, rinse your mouth out with water, take a few deep breaths of fresh air, and retest after waiting at least 5 minutes.
Retest

If the key is in the ON position and the vehicle is running the Device will ask for a Retest at random times. When the device wants you to Retest, the BLOW light will be flashing and 2 high pitched BEEPS will sound. If the Device does not receive a passed test within the first several seconds after asking for a Retest, the Device will begin to BEEP louder. If the Device does not receive a passed test after a few minutes, an additional alarm may sound. You now have a limited time to pass a test or pull the vehicle over and turn the key OFF. Turning the vehicle off prior to taking a Retest when requested is a Violation in some jurisdictions. We recommend always taking the Retest when requested. Ask your Service Provider if you have questions on the rules in your area.

Take the Retest only when you feel it is safe to do so. You are encouraged to safely pull the vehicle out of traffic to take the Retest. **IT IS YOUR RESPONSIBILITY TO SAFELY TAKE THE RETEST.** You have several minutes from the time the unit first asks for a Retest to pass a test.

---

**CAUTION:**

Always exercise safety first. The Device is designed to allow you to continue driving and safely Retest without taking your eyes off the road. However, if you are uncomfortable, it is recommended that you pull off the road and come to a complete stop before taking the Retest. It is your responsibility to be in a safe place to take the test in a manner not to put yourself or others at risk.
Abort Light (Red)

The ABORT light indicates the Device did not detect a proper breath sample, meaning either the blow was too hard or too soft, or the tone was not detected. You will also hear a distinct tone upon aborting a breath test.

Once you have aborted, the WAIT light will come on for 45 seconds while the Device prepares itself to accept another test.

If you have too many Aborts, the WAIT light glows while the Device is resetting or re-stabilizing itself. The WAIT light could stay on for up to 5 minutes during this wait period. When the Device is ready for another test, the WAIT light will flash and the Handset will emit a ‘BLAP-BLAP’ sound.

If the Device has not stabilized after the wait period and the Device is not ready to test, the SERVICE light and LOCKOUT light will begin to flash and the WAIT light will stay on. If this ever happens call your Service Provider immediately.

TIP

If you get an ABORT, change your mouthpiece, try to relax, take a couple of deep breaths and try again. You should never blow so hard as to make yourself feel light-headed or dizzy.
Lockout and Service

Lockout Light (Red)

One or more FAILS in a row will result in a LOCKOUT status for several minutes.

While the LOCKOUT light is glowing red you cannot take another test. You must WAIT. After the LOCKOUT light turns off you may test again. You are encouraged to rinse your mouth out with water to remove traces of mouth alcohol and test again.

Service Light (Red)

The Device will remind you several days before your program service due date by flashing the SERVICE light.
Past Due for Service or Early Recall

If you are past due for your scheduled program monitoring or if you are in EARLY RECALL, both the LOCKOUT light and SERVICE light will flash.

The number of times the lights flash together in sequence translates to the number of remaining days before the device goes into LOCKOUT.

*Please call your Provider immediately to schedule an appointment for service and monitoring.*

Permanent Lockout

When the SERVICE light and LOCKOUT light both remain solid the Device is in PERMANENT LOCKOUT and will not ask for a test.

*Call your Service Provider immediately.*

**WARNING**

LOCKOUT due to a missed program check or missed EARLY RECALL for Violations may result in a NON-COMPLIANCE report to authorities for FAILURE TO REPORT. You will be unable to start your vehicle and may have to have it towed to a Service Center at your expense.
After your FC100 Interlock is installed, a scheduled monitoring check appointment will be made for you as required by your monitoring authority and on a regular basis until the end of your Program.

Provided your FC100 Interlock is not placed into EARLY RECALL due to Violations or problems with the Device, it will alert you in advance of your next scheduled appointment by flashing the SERVICE light, more information is found on pages 13 and 14.

At the time of each monitoring appointment, the Device’s memory will be computer downloaded with secure software and analyzed. Results of breath tests, Violations, and other data will be reported to the Monitoring Authority. The Service Provider will also inspect the Device for signs of any attempted TAMPERING and if discovered this will be reported as well. The Device will also be calibrated, inspected for proper functioning, and your next “Pay as you Go” payment will be collected.

If you must change a scheduled monitoring appointment, YOU MUST CALL 24 HOURS IN ADVANCE to avoid a Missed Appointment Fee.
Reporting

Your Service Provider is required to report certain information to the Monitoring Authority and may include:

NON-COMPLIANCE (May be failure to):

- Report for scheduled monitoring checks or any EARLY RECALL that results in a LOCKOUT.
- Pay for Program Services provided.
- Meet any other terms and conditions of the Interlock Program.

CIRCUMVENTION/BYPASSING:

- Getting someone else to blow the breath test.
- Disconnecting the vehicle’s battery without Authorization from the Service Provider.

TAMPERING (All of the following are detectable):

- Breaking of any TAMPERING seal on any part of the Devices: This includes the Handset, Relay, or any wires/ connectors.
- Opening any of the Devices.
- Physically damaging the Devices in any way.
Reporting

VIOLATIONS (All of the following are recorded):

- **Startup Violation**: Starting the vehicle without passing a test within 5 minutes.
- **Power Disconnect**: Power is lost to Relay and/or Handset. (Record why power was disconnected on page 21)
- **High BrAC**: Failing a test with a BrAC reading above predetermined level
- **Failed Test**: Failing one or more test attempts indicating BrAC at or above the FAIL level.
- **Too Many Failed Tests**: The unit detected too many breath tests above the Fail point during a monitoring period.
- **Retest Refused**: The driver failed to pass a Retest before a predetermined time. The Device will emit a louder test tone and may begin sounding an additional alarm before a refusal is recorded.
- **Retest Failed**: The driver took the Retest and Failed one or more test attempts at or above the FAIL level.
- **Maximum Lockouts**: The maximum number of LOCKOUTS between services has been reached. This will enable the SERVICE and LOCKOUT lights to prompt you to return to the Service Center.
- **Early Service Recall**: If you have met the maximum number of any Violations an EARLY SERVICE RECALL will be recorded and the SERVICE and LOCKOUT lights will prompt you to return to the Service Center.
- **Vehicle Use/Lack of Vehicle Use**: All interlock tests are recorded and may be used to determine proper use of the interlock vehicle during restricted driving times.

*All of the above may result in a VIOLATION RESET and/or EARLY RECALL depending on the requirements of your Program. If the System does require an early return to the Service Provider, it will be done at YOUR EXPENSE.*
**Tips on Proper Care and Use**

**Vehicle Electrical System**

The LifeSafer FC100 Interlock operates off your car’s electrical system. If your vehicle is over 10 years old, you should have the electrical system checked by a mechanic. If your vehicle has electrical shorts or a failed voltage regulator the power surges can damage the Device and void the warranty.

Maintain proper water-levels in your car battery (use distilled water) and keep the terminal connections clean and free of corrosion. The Device will usually work with an old battery, but bad or weak batteries are the primary cause of problems that can result in an EARLY SERVICE RECALL and an unscheduled visit to the service center at your expense. If your car battery is weak or old, ask your LifeSafer service provider what your state regulations are for having it replaced.

**Avoid Contact with Moisture and Dirt When Storing the Device**

Neither the FC100 Handset or Relay is waterproof. It is an electronic product, keep it out of the rain. Keep the Device stored off the floor of your vehicle if possible. Excessive contact with moisture, dirt, mud or rain will damage the internal circuitry for which repair or replacement of the Device is your responsibility.

**Avoid Static Shock**

Place the key in the ignition and turn to Accessory before picking up the Handset. Static discharge, especially during dry, cold winter weather when static is common and very powerful, may cause the Device to fail.

**Keep Out of Direct Sunlight**

It is important to keep the device out of direct sunlight. Extremely hot temperatures inside of a locked vehicle on a very hot day can reach 185° F. At these temperatures the device may not operate properly and may record an internal failure.
How to Avoid False Positives

The FC100 breath-tester is not prone to giving false positive readings, and only responds to alcohol. However, many substances do contain alcohol such as cough medications, mouthwash, perfumes, colognes, and even foods like ripened fruit or hot pizza dough. These trace amounts of alcohol can give a positive reading even though you have not been drinking. To alleviate the possibility of a false positive, do not smoke, eat or drink anything, take oral medications, or use mouthwash at least 5 minutes prior to testing.

If you ever think you got a false positive reading, rinse your mouth with water or take a few deep breaths and wait a few minutes and test again. Any traces of alcohol in your mouth will quickly evaporate and disappear. It is important to continue testing and pass a test as soon as possible to prove you were not drinking.

Mouthpieces and Moisture

Mouthpieces are available from your service provider. These mouthpieces are moisture traps that help prevent water from entering the Interlock Handset. It is EXTREMELY important that you ensure your mouthpieces are dry before you attempt to deliver a test.

- You will be given several mouthpieces at the time of your enrollment in the program. More mouthpieces will be available upon request.
- Watch for condensation to build up inside the mouthpiece. When water droplets begin to appear, replace the mouthpiece with a dry one.
- If excessive moisture builds up inside the unit, the Device may ABORT when you test or even on its own. To correct this you may try the following:
  - Initiate the WAIT cycle 4-5 times (do not blow during this time).
  - In extreme cold weather, wrap the unit in a wool sock or old towel overnight to prevent condensation
  - Hang the unit upside down to allow moisture to drain.
- Excessive moisture for a long period of time can cause an internal malfunction inside the unit. An internal malfunction will be indicated by the SERVICE and LOCKOUT lights flashing.
  - You can wash the mouthpieces in your household dishwasher.
Device Failure

- Your unit will NEVER turn your vehicle off. It can only prevent you from starting your vehicle.

- The SERVICE and LOCKOUT lights flashing may indicate if a Device failure has been recorded.

- You have a short grace period from the exact time of the recorded failure to have the unit serviced or your unit will LOCKOUT.

- If you experience a unit malfunction call your Service Provider/Center immediately.

- The most common causes for Device problems are low battery voltage and/or excessive moisture (conditions which you can prevent). To avoid problems always remember to maintain constant 12 volts and to replace the mouthpieces before they accumulate moisture.
Power Disconnects

If the LifeSafer FC100 Handset or Relay are disconnected from power for any reason, you will be responsible for documenting the date, time and reason. Below is a chart to keep track of why you may have had to disconnect the power.

<table>
<thead>
<tr>
<th>Disconnect Time</th>
<th>Reconnect Time</th>
<th>Reason</th>
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<tbody>
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<table>
<thead>
<tr>
<th>Indicator</th>
<th>Color</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WAIT (On Steady)</td>
<td>ORANGE</td>
<td>The Device is preparing to accept a breath test. This lasts for varying amounts of time depending on temperature, from a few seconds to up to five minutes in below zero temperatures.</td>
</tr>
<tr>
<td>BLOW (Flashing)</td>
<td>GREEN</td>
<td>The Device is ready to accept a breath test. Hum and blow into the Device for about 5 seconds. Device will emit a low tone indicating that you are blowing properly.</td>
</tr>
<tr>
<td>ABORT (On Steady)</td>
<td>RED</td>
<td>Improper breath test delivered. User did not hum and/or blow in a steady solid fashion. Device will default back to the WAIT stage and you may repeat the test.</td>
</tr>
<tr>
<td>PASS (On Steady)</td>
<td>GREEN</td>
<td>User has properly passed the test and may start the vehicle.</td>
</tr>
<tr>
<td>WARN (On Steady)</td>
<td>ORANGE</td>
<td>After delivering a breath test, alcohol was detected at a low level, but not enough to FAIL and you may still start the vehicle.</td>
</tr>
<tr>
<td>FAIL (On Steady)</td>
<td>RED</td>
<td>User has failed the alcohol breath test. Device will either default to WAIT or to TEMPORARY LOCKOUT.</td>
</tr>
<tr>
<td>FAIL (Flashing)</td>
<td>RED</td>
<td>You have failed the breath test with a very high BAC reading. Device will either default to WAIT or to TEMPORARY LOCKOUT.</td>
</tr>
<tr>
<td>RUN (Flashing)</td>
<td>GREEN</td>
<td>You may start your vehicle at this time by turning the key either after passing a test or while in Stall Protect if your vehicle stalls out.</td>
</tr>
<tr>
<td>RUN (On Steady)</td>
<td>GREEN</td>
<td>This indicates that the engine is running.</td>
</tr>
<tr>
<td>POWER (On Steady)</td>
<td>GREEN</td>
<td>This light comes ON when key is ON and goes OFF when the Key is turned OFF, indicating proper power to the Device.</td>
</tr>
<tr>
<td>POWER (Flashing)</td>
<td>GREEN</td>
<td>Indicates your vehicle battery is weak or the voltage is low.</td>
</tr>
<tr>
<td>SERVICE (Flashing)</td>
<td>RED</td>
<td>This is a reminder that the scheduled monitoring appointment is coming due.</td>
</tr>
<tr>
<td>SERVICE (Flashing)</td>
<td>RED</td>
<td>You are either past due for service or in EARLY RECALL due to violations, tampering, circumvention or a device problem. The device will enter a PERMANENT LOCKOUT if you fail to return to the service center.</td>
</tr>
<tr>
<td>LOCKOUT (Flashing)</td>
<td>RED</td>
<td>The number of flashes on the LOCKOUT light, (3 for example), indicates the number of days before the Device goes into PERMANENT LOCKOUT.</td>
</tr>
<tr>
<td>LOCKOUT (On Steady)</td>
<td>RED</td>
<td>Your vehicle is temporarily inoperable because you had too many failed tests, high BAC tests or aborts or is due to a pre-set restricted driving period. The TEMPORARY LOCKOUT Period can vary from 5 minutes to 24 hours before it will accept another breath test.</td>
</tr>
<tr>
<td>SERVICE (On Steady)</td>
<td>RED</td>
<td>Your vehicle is inoperable and the Device and Vehicle are in PERMANENT LOCKOUT. You must call the Service Center to make arrangements for a service call or to have the vehicle towed.</td>
</tr>
<tr>
<td>LOCKOUT (On Steady)</td>
<td>RED</td>
<td>Your vehicle is temporarily inoperable because you had too many failed tests, high BAC tests or aborts or is due to a pre-set restricted driving period. The TEMPORARY LOCKOUT Period can vary from 5 minutes to 24 hours before it will accept another breath test.</td>
</tr>
</tbody>
</table>
Contact Telephone Number
1-770-761-8989

- 24 hour advance notice to reschedule appointment
- Questions? Call us 8:30AM to 5:00PM weekdays

- find us at www.LifeSaferInterlock.com

24-Hour Service Assistance
If you experience any problems with your device, or if your service light is flashing, call our office as soon as possible.

1-800-633-1517

- If you call after business hours listen carefully to the prompts which will allow you to leave a message or speak to a Customer Care Agent.
- Call this number and an operator will try to alleviate your problem.
- Do not leave a “pay” phone number or pager as it cannot be answered.
- Do not call from a “BLOCKED” number as it cannot be answered.
- Service fees may apply.
- We are always here to help you – 24 hours a day.

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SEND MAIL TO: PO Box 1198
Conyers, Georgia 30012

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