



## SSI-2035 User Manual



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The authors of this manual have incorporated their best efforts in preparing this information and ensuring that the technical content is completely accurate at the time of publication.

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Smart Start, LLC.

**Note:** Please read and sign the form at the back of the book and return it to the correct monitoring authority.

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## FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio interference energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet or on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

You may also find helpful the following booklet, prepared by the FCC: “How to Identify and Resolve Radio-TV Interference Problems.” This booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402.

Changes and modifications not expressly approved by the manufacturer or registrant of this equipment can void your authority to operate this equipment under Federal Communications Commission rules.

## Safety

Strictly follow the instructions for use. Any use of the SSI-2035 device requires the full understanding and strict observation of these instructions. The device is to be used only for the purpose specified in this manual.

Any changes and/or additions to the SSI-2035 device may cause the device to malfunction or be damaged. Such changes and/or additions invalidate any or all warranty of the device or vehicle.

To protect against electrical shock and fire, maintain a secure connection of all components to the SSI-2035. Do not cut any cables connected to the SSI-2035 as this could result in electrical shock or fire.

The installation may only be carried out by an authorized Smart Start, LLC Service Center according to the instructions for installation. Service and maintenance must only be performed by qualified persons.

The liability for the proper function of the instrument is irrevocably transferred to the owner or operator to the extent that the instrument is serviced or repaired by personnel not employed or authorized by Smart Start, LLC or if the instrument is used in a manner not conforming to its intended use.

Do not place the interlock where it is prone to damage: on the floor, under your ashtray, or where you can't see or hear it. Also, do not expose the unit to moisture from liquids. You are liable for all damages due to negligence or abuse of the device.

Do not tamper with the device. This will result in additional charges and notification to appropriate monitoring authorities.

Smart Start LLC cannot be held responsible for damage caused by non-compliance with the recommendations given above. The warranty and liability provisions of the terms of sale and delivery by Smart Start, LLC are likewise not modified by the recommendations given above.

## Handset Mount

You have been provided with a handset mount to keep your device within easy reach and out of harm's way. If your mount needs replacing, contact our service personnel and we will provide a new one.

## Mouthpiece Cover

You have been provided with a mouthpiece cover to keep the mouthpiece protected from dirt and moisture. Always use this cover over the mouthpiece whenever you are not providing a breath sample.

## Cleaning Cautions

Use only mild soap and water on a damp cloth to clean the outside of the unit. Solvent, alcohol or chemical-based cleaners can damage the unit or result in false readings.

Mouthpieces can also be washed and reused. Always use a clean and dry mouthpiece for every test.

## Other Cautions

- Use the device only for its intended use as described in this manual.
- Do not drink alcohol, eat alcohol containing foods including medicines or lozenges or use alcohol based mouthwash or mouth spray for at least 15 minutes before taking a breath test. Alcohol residue in your mouth will result in a higher alcohol reading.
- Do not immerse device in water or any other liquid.
- Never operate the device if it is not working properly, has been dropped or damaged, or if it has been immersed in any liquid.
- Except for mouthpiece, never insert any object into any opening.
- Do not use where aerosol (spray) products are being used or where oxygen is being administered.
- Do not store the device where it is exposed to direct sunlight or near a heater or other source of heat.
- Keep out of reach of children.
- Call 1-800-880-3394 for service or repair.

## Description

The SSI-2035 is a breath-alcohol ignition interlock device which requires the user to take and pass a breath test before the vehicle will start. If the breath alcohol concentration of the breath sample submitted is at or above the preset fail level, the vehicle will not start. Only breath alcohol concentrations below the pre-set fail level will allow the vehicle to be started.

The interlock device has no effect on the engine operation and cannot turn your engine off once it is running.

Anyone can drive your vehicle, but they must use the device, and YOU are responsible for all readings recorded by the device.



**Figure 1** Head Unit

## Parts Listing

The SSI-2035 unit consists of the following parts:

- The SSI-2035 device
- Mouthpiece
- Mounting clip for Head Unit
- Mouthpiece Cover

## SSI-2035 Operations

### Mouthpiece Installation

The SSI-2035 has a keyed slot for the mouthpiece. The mouthpiece can be inserted in only one direction.



**Figure 2** Mouthpiece Installation

The mouthpiece has a key along its underside. Align the key with the slot on the SSI-2035 and insert the mouthpiece until it *is fully seated against the body of the 2035*.



**Figure 3** Mouthpiece Key





**Figure 4** Properly Inserted Mouthpiece

### Mounting Clip for the Head Unit

The mounting clip is used for placing the Head Unit on the dash of the vehicle. This ensures several things:

- Keeps the Head Unit in a position that is easily accessible to the driver
- Is in a position that can be easily seen and heard
- Protects the handset

All of these need to be considered when choosing the position of the handset.



**Figure 5** Head Unit attached to Mounting Clip

## Mouthpiece Cover

To protect the mouthpiece from dust, dirt and moisture, the SSI-2035 is supplied with a mouthpiece cover. The mouthpiece cover should be placed on the mouthpiece whenever the head unit is not being used to perform a breath test.



**Figure 6** Head Unit with Mouthpiece Cover attached

## How to Take a Test

If you are the driver of the vehicle, letting someone else take a test for you is a program violation.  
Use a clean mouthpiece for each test.



Before taking a test:

1. Drink **WATER** before each breath test. This helps to eliminate breath contaminants.
2. Do not use a breath freshening agent as most of these agents contain a high level of alcohol.
3. Always take a **DEEP BREATH** immediately before taking a test.

1. Turn on the vehicle's ignition. The unit activates and **PLEASE WAIT** is displayed. During this time, the device is preparing for a test. *Take this time to drink WATER to eliminate breath contaminants.*
2. Once the unit has initialized, the unit displays the word **BLOW**.
3. You can only take a test when the word **BLOW** is displayed; not before.
4. Remove the mouthpiece cover.
5. Take a deep breath and blow steadily into the mouthpiece for approximately 4 seconds.

While you are blowing into the mouthpiece, the word **TEST** is displayed.

6. Keep blowing into the mouthpiece until the unit clicks and the sound of the beep stops.
7. If you do not successfully complete the test (incomplete test), the reason for an unsuccessful breath sample is displayed. This is described in the following section, Post-Test Actions.
8. After successful completion of the test, **ANALYZING** will be displayed for a short time while the unit is analyzing the breath sample.
9. After you have taken the test, re-attach the mouthpiece cover onto the mouthpiece and re-attach the handset back to the handset mount.

## Post-Test Results

When the analysis is complete, one of following will be displayed:

1. **PASS** is displayed and you may now start your vehicle.
2. **WARN** is displayed and you may now start your vehicle.
3. **FAIL** is displayed and you **will not** be able to start your vehicle.
4. **VIOL**(ation) is displayed and you **will not** be able to start your vehicle.
5. For an Incomplete Test, the reason is displayed and you **will not** be able to start your vehicle.
6. When the vehicle is started, an asterisk (\*) is displayed on the top right side of the displayed. This indicates that the unit has detected that the vehicle's engine is running.

## Post-Test Actions

When you blow an **Incomplete Test** or a **FAIL**, you must take another breath test and pass this breath test before your vehicle will start.

After blowing a **FAIL**, the LCD displays **FAIL**, cycles back to **PLEASE WAIT**, and then **BLOW**.

Reasons for an Incomplete Test are as follows:

- **BLOW SOFTER** - Caused by blowing too hard and you need to reduce your air flow during blowing.
- **BLOW LONGER** - Caused by not blowing hard enough or for a long enough period of time and you need to increase your air flow and/or blow longer.

- **DON'T INHALE** - Unit is detecting air flow going the opposite way in the unit, normally appears when a tester blows right before the unit actually displays **BLOW** or if the tester is inhaling too close to the mouthpiece.
- **PLEASE RETRY** - Unit has excess moisture built up inside due to constant blowing or testing, can also appear if vent located behind the 2035 Head Unit is obstructed - Tester will need to allow time for the unit to remove excess moisture and/or remove what is covering the vent.

## Re-Tests



Before taking a test:

1. Drink **WATER** before each breath test. This helps to eliminate breath contaminants.
2. Do not use a breath freshening agent as most of these agents contain a high level of alcohol.
3. Always take a **DEEP BREATH** immediately before taking a test.

Once your vehicle is started, the device will ask for a random re-test by beeping and indicating **BLOW** along with a timer reading.

The re-test timer gives you enough time to safely pull over and take the test. If you fail to take the re-test, the unit will indicate **MISSED TEST**.



**Warning!** Failure to take the re-test is a violation and will be recorded by the device.



**Caution!** When using the device, always obey the local traffic laws, practice safe driving habits and keep your eyes on the road.

You should always find a safe place to park away from traffic before taking a re-test.

Do not turn your ignition off. You must take the test **before** turning off your ignition or a violation will be recorded by the device.

Make sure that the Head Unit is positioned on the mount in a position where you can see the display. If a re-test is requested and you are driving with the radio playing loud or a window down, you may not hear the beeping sound that the unit will make when a retest is requested.

An optional LED light is available for clients who are hearing impaired.

After you have taken the re-test, re-attach the mouthpiece cover onto the mouthpiece and re-attach the handset back to the handset mount.

## Lockouts

Per state requirements the device can trigger a lockout for several reasons. The different type of lockouts is listed below.

The grace period leading up to the permanent lockout will differ from state to state.

Each time a violation is registered, the unit will deduct 1 from that number. The device will **lockout** and not allow you to take a test under the following 4 conditions:

### 1. Temporary Lockout

Indicated by the message **FAIL / LOCK x:xx:xx** being displayed. This happens when you fail a number repeated breath tests. The device will *temporarily lockout* for a period of time. This time will countdown and be displayed on the unit.

Temporary lockouts can happen if you fail breath tests before you start your vehicle OR after you start the vehicle (retests).

During this temporary lockout period, the device will not allow you to re-test. Use this time to drink water, take some deep breaths. Test again when the device resets.

Test again when the device resets. During the temporary lockout, the handset should not be disconnected.

Every state has different regulations surrounding temporary lockouts and time of the temporary lockout. See state specific information regarding how temporary lockouts work in your state. Some states require a **RE-TEST** be provided within a specific amount of time after a temporary lockout has ended.



**Warning!** A temporary lockout may require you to return for service.

### 2. Service Lockout

Indicated by the display of **SvcLckxxday** or **SvcLockxxhr**. This is **your service warning** showing the number of days or hours remaining before the device permanently locks out due to missing your scheduled service date.

Once the device displays **LOCKOUT SRVC**, you will be permanently locked out. It will not allow any further tests or allow you to start your car. It will require you to call your service provider for an **Unlock Code**. There may be a charge for this code.



**Warning!** Do not ignore the service warning grace period!

### 3. Violation Lockout

Indicated by the unit displaying **LOCKOUT VIOL**. This occurs after you use your last violation and you exceed the allowed lockout grace period.

A violation can be caused by any of the following:

- a. A high-level breath failure
- b. Missing a re-test
- c. Starting the vehicle without passing a test
- d. Disconnecting the device while it is turned on

These violations are counted between service visits. The unit displays **VioLckxxday** or **VioLockxxhr**, indicating the number of days or hours left until the permanent violation lockout occurs.

Once the device displays **LOCKOUT VIOL**, you will be permanently locked out. It will not allow any further tests or allow you to start your car. It will require you to call your service provider for an *Unlock Code*. There may be a charge for this code.



**Warning!** Do not ignore the violation warning grace period!

#### 4. Restricted Drive-Time Lockout

Indicated by the unit displaying **RESTRICTED DRIVE TIME**. This only occurs if the unit is programmed with restricted driving times as ordered by the Monitoring Authority.

During the restricted lockout time, the device will not allow you to take a test or start your vehicle.

If your unit locks out or is not operating properly, we may ask you to tow your vehicle to the nearest Smart Start location.

If the problem is found to be with the device, we will credit your account for the amount of the tow bill.

You are responsible for the tow bill if the problem is not unit related.

Please contact your local service center for a phone number to a preferred towing company in your area.

Towing costs which exceed \$100 **MUST** be arranged through the Smart Start service center manager.

## Unlock Codes

A **Remote Unlocking** service is available if your unit goes into a lockout and you cannot get to a service center.

You will be given a code from our corporate office and you enter this code into the device using the keypad.
















When the code is successfully entered, the device will operate normally. You are required to take and pass a test before starting the vehicle.






This code will extend your lockout grace period for no more than six (6) hours.

**Note:** The code is only good *one time*.

**Note:** The code *does not* bypass the device.

## Displayed Messages and Troubleshooting Guide

Displayed Message	LEDs	Description	Action
PLEASE WAIT		The unit is preparing for a breath test.	Wait until unit displays <b>BLOW</b> .
BLOW		The unit is ready to accept a breath test.	Blow steadily into the mouthpiece and remember to HUM (if required).
TEST		The unit is accepting the breath being exhaled into the mouthpiece.	Keep Blowing and remember to HUM (if required)!
BLOW LONGER		The breath sample was too short.	Repeat test and blow longer.
BLOW SOFTER		You were blowing too hard.	Repeat test and blow softer.
DON'T INHALE		The unit detected air was sucked from the mouthpiece.	Repeat test and do not suck air from the mouthpiece.
PLEASE RETRY		Excessive moisture build up or obstruction in the vent.	Wait until moisture has evaporated or remove obstruction from the vent.
PASS		The alcohol measured in the breath sample was below the preset fail level.	You can start the car.
VIOL		The alcohol measured in the breath sample was above the preset fail level.	You cannot start the car.
FAIL		The alcohol measured in the breath sample was above the preset fail level.	You cannot start the car.
FAIL LOCK x:xx:xx		Temporary lockout condition due to excessive repeated failed breath tests	You must wait until the countdown timer has ended before testing again.
SvcLckxxhr		A reminder of the number of hours remaining before the unit goes into permanent lockout due to missing your service appointment.	Call your local service center to arrange an appointment to have your interlock serviced.
ViolLckxxhr		A reminder of the hours remaining before lockout due to violations.	Call your local service center to arrange an appointment to have your interlock serviced.
APPT MM/DD		A reminder that your appointment date is approaching.	Call your local service center to arrange an appointment to have your interlock serviced.
LOCKOUT SRVC		The device is in permanent lockout due to missing the appointment date.	Call your local service center.

Displayed Message	LEDs	Description	Action
LOCKOUT VIOL		The device is in permanent lockout due to violations.	Call your local service center.
RECALL		The device has an error.	Switch ignition off/on and repeat test. If message reappears, call your local service center or Smart Start Customer Service.
(No messages on display - LEDs are working)		The display may have stopped working, but the device is still functioning.	Perform test normally. Call your local service center.
(No messages on display - LEDs are not working)		The device has an error.	Call your local service center or Smart Start Customer Service.
PASS (but cannot start the car)		The device has an error.	Call your local service center or Smart Start Customer Service.

**Table 1    Displayed Messages & Troubleshooting Guide**

For all further questions, please contact your local service center, Smart Start Customer Service or visit [www.smartstartinc.com](http://www.smartstartinc.com) and go to the Information for Clients - Product Support page.



## Maintenance

### Service & Calibration

Regular service and calibrations must be performed on the device. These must be performed:

- Only by an authorized Smart Start, Inc. Service Center.
- When the service lockout warning message **SvcLckxxhr** is displayed.
- At your next scheduled appointment

Smart Start will check the calibration of the interlock at every service.

### Disposal of the device

The SSI-2035 must not be disposed of using common household disposal methods. The device can be returned to Smart Start, LLC or a Smart Start, LLC authorized service center. Please contact Smart Start, LLC Customer Service at 1-800-880-3394 for further information.

### Spare Parts & Accessories

- Mouthpiece
- Handset Mount
- Mouthpiece cover

If your handset mount needs replacing or you require extra mouthpieces or another mouthpiece cover, please contact our service personnel.

## Service and Support

### Customer Service Contact Information

Contact Smart Start Customer Service at 1-800-880-3394 and a live person will help you 24/7/365.

If you leave a message, be sure to include your area code, phone number, and full name so that we can return your call.

### SSI-2035 Service

You will be instructed when to bring the device in for service and calibration. Be sure to make a note of your service appointment time.

If your vehicle needs service, have the service technician call Smart Start for instructions. Keep receipts from the shop indicating the date and time it was in for service as well as the date and time it was picked up.

If you need to replace your battery or starter, keep the receipt of purchase and keep the time between disconnecting the battery and reconnecting it as short as possible.

### After-Hours Service

If you need service after normal business hours, call us toll free at 1-800-880-3394. Our Customer Support Center is staffed 24/7/365 to help. If you leave a message, be sure to include your **area code, phone number, and full name** or we may not be able to return your call.

### Support Locations

Please visit [www.smartstartinc.com](http://www.smartstartinc.com) to determine the location of your nearest Smart Start Service center.

## Technical Data

Sensor	Electrochemical (Fuel Cell)
Operating & Storage Conditions	Temperature: -40°F to 185°F (-40°C to + 85°C) Humidity: 20% to 98% r.h. Pressure: 70 to 110 kPa No influences of change in altitude on the measurement result
Protection Class	IP42
Warm-up Time	above 68°F / 20°C < 25 seconds at -40°F / -40°C < 3 minutes
Breath Sample Volume	Deep Lung, Adjustable
Display of Result	PASS, WARN, FAIL, VIOL Numerical: %BAC, mg/L
Visual Alerts	Color Graphic LCD with text messages Bi-color LEDs
Audible Alerts	Speaker with variable tone signals
Size	Head Unit: 4.8 x 2.6 x 1.8 in. (123 x 67 x 45 mm) Relay Unit: 5.9 x 3.5 x 1.4 in. (150 x 90 x 35 mm)
Weight	Head Unit: 5.6 oz. (160 grams) Relay Unit: 10.5 oz. (300 grams)
Operating Voltage	Nominal: 12 VDC Minimum: 6.5 VDC
Power consumption	Maximum: < 4 A Stand-by: < 5 mA
Control Outputs	15 A continuous 40 A peak
Certifications	NHTSA Model Specifications for BAIDs: 2013 CSA Z627-16: 2016 EN 50436-1:2014, EN 50436-2:2014 E-Mark

**Table 2 SSI-2035 Technical Data**

## Ignition Interlock Client Checklist

**\*\* Please initial each space indicating your understanding of Smart Start's requirements \*\***

- \_\_\_\_ I have watched the training video.
- \_\_\_\_ I received a copy of my written user instructions and understand those instructions.
- \_\_\_\_ The lease agreement was explained to me and I understand it fully.
- \_\_\_\_ The warranty option was explained to me in detail.
- \_\_\_\_ I have read, understand, and accept the lease warranty information and instructions, removal information, and written instructions as explained by the technician and as stated in the lease agreement.
- \_\_\_\_ I have been instructed on the proper use of the device in my own vehicle.
- \_\_\_\_ I understand that I must rinse my mouth out with water prior to any test.
- \_\_\_\_ I understand that I must take a validating test after any failed test. A failed test is any reading other than PASS.
- \_\_\_\_ I understand that bypassing and/or tampering with the device will result in additional charges and notification to my monitoring authority.
- \_\_\_\_ I understand that anyone can drive my vehicle, but they must use the device, and I am responsible for all readings recorded by the device.
- \_\_\_\_ I understand that if I am the driver of the vehicle, letting someone else take a test for me is a program violation.
- \_\_\_\_ I understand that I must maintain a journal of events surrounding failed readings or problems with the device.
- \_\_\_\_ I understand that I must always practice safe driving when using the device. I also understand that I have \_\_\_\_ minutes to complete the rolling re-test.
- \_\_\_\_ I understand that I must call Smart Start before having services performed on my vehicle so that we may educate the mechanic on how to work with the device.
- \_\_\_\_ I understand I will treat Smart Start employees and technicians respectfully.
- \_\_\_\_ I am comfortable with the preceding and know to call 1-800-880-3394 with any questions or concerns.

Signature of Client \_\_\_\_\_ Date \_\_\_\_\_

Printed Name of Client \_\_\_\_\_ D.O.B. \_\_\_\_\_

Signature of Tech \_\_\_\_\_ Date \_\_\_\_\_

Service Location \_\_\_\_\_

**SMART START, LLC**  
**500 E Dallas Road Suite 100 • Grapevine, TX 76051**  
**1-800-880-3394 • SmartStartInc.com**

Smart Start, LLC does not discriminate any individual based on race, color, religion, sex, or national origin.

## Read and Understood

It is required by your Monitoring Authority that you sign and date the form below to indicate that you have read this document and understand it.

Your signature on the form below verifies that you have read this manual and understand its contents.

---

Monitoring Authority Signature

Date

---

User Signature

Date