

Autosense International Inc.

PARTICIPANT INSTRUCTION MANUAL

BAIID (Breath Alcohol Ignition Interlock Device)

(Autosense International Proprietary)

CA:Version1.2

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Autosense International
1-800-498-9071
Autosenseintl.com

1. INTRODUCTION

Participant Instruction Manual

The Autosense Alco-Sense Breath Alcohol Ignition Interlock Device (BAIID) installed in your vehicle is an advanced electronic device. It meets all NHTSA's federal guidelines and your state requirements. The Autosense BAIID strives to provide ease to use for the participant while meeting the requirements. The BAIID uses a highly sensitive, accurate and highly ethanol-selective fuel cell sensor to detect breath alcohol concentration (BrAC), preventing the problem of false positives.

All states requires anti-circumvention measuring in place, our BAIID implements robust anti tampering, hot-wiring and circumvention features to ensure human breath is in use, supported by the latest sensor technology, including an optional image sensor, combined with sophisticated algorithms. The BAIID securely logs any event on the BAIID. Implements robust and secure temporary ignition interlocks overrides to support vehicle repair and engine maintenance. The installation of the device will not damage your car or drain your car battery; however the state requires the car remote engine start feature to be disconnected to hook the BAIID.

The BAIID consists of a base unit (**BU**) with engine run detection sensor, which interfaces with the engine of the Vehicle, and a handheld unit (**HHU**) with USB cable latched to the BU- HHU which interfaces with the participant. To take the BrAC test you need just take a deep breath and blow a steady volume for around 5 seconds through the mouth piece. A **digital display** alerts BrAC test results or events like **Lockouts**, Lockout countdown 7 days (monitoring service every 60 days), Lockout countdowns 5 days (fail, refuse rolling test, bypass, tampering, and circumvention). Emergency **restart time** 3 minutes if the car stalls. **Start button** to power the BAIID to initiate a BrAC test. **Up and Down buttons** for BAIID setting purpose only. Removable, reusable, washable tick plastic **Blue Mouth Piece** to provide breath sample. **Indicator LED** lights, **Beeper** with high pitch beep to prevent refuse random test; **California** State requires the first random test is between 5 to 15 min. after the vehicle started, follows by the consecutives test between 15 to 45 min. **All the training covers will be broken down further.**

Many Common items have enough alcohol in them to register on your Device, so we've already discussed that your device is highly precise, accurate when it comes to detecting alcohol on your breath.

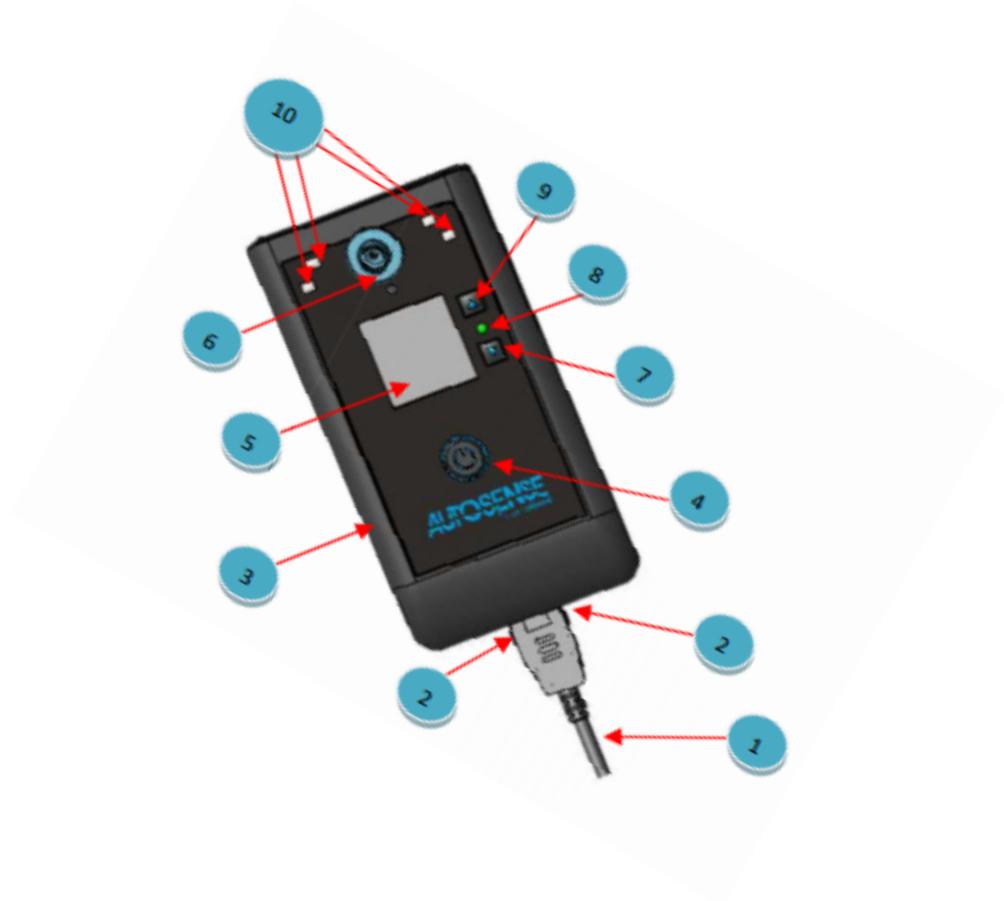
With this in mind, there are some alcohol base products you may want to avoid eating, drinking, or using for the period of your program, rinse your mouth out thoroughly with water and air out your car before attempting to submit a breath sample because the alcohol from products like, mouthwash, some cough medicine, rum cake, etc. definitely will create a reading. Note: it is not a false positive you will be responsible for the results regardless of the source.

Finally, the Autosense BAIID has been designed with the goal of saving lives. Because driving under the influence of alcohol is a major cause of fatal traffic accidents and still remains as a huge problem on the USA and the world.

2. BAIID FEATURES

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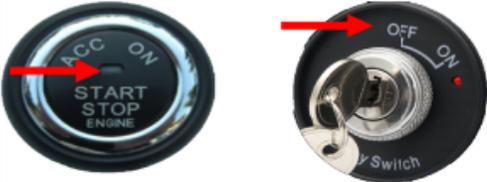
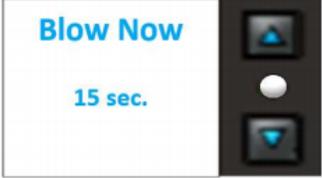
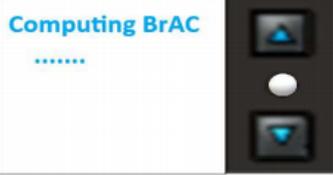
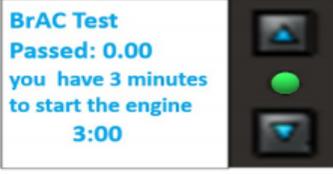
- 1.- USB connector cable with latch
- 2.- Release Latch
- 3.- Handheld Unit case
- 4.- Start Button
- 5.- Digital Display
- 6.- Mouth Piece
- 7.- Down Button
- 8.- Indicator light LED
- 9.- Up Button
- 10.- Camera LED's



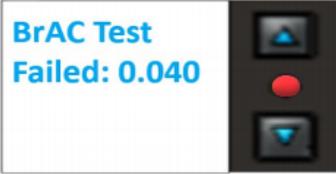
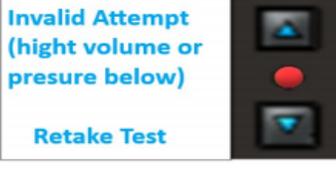
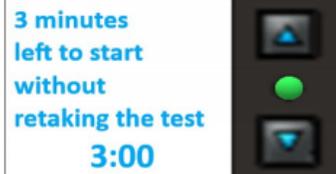
2.1 TAKING AN IGNITION BrAC TEST

Step	Action	Detailed description
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<p>1</p>		<p>Vehicle OFF Before you start the test, make sure your vehicle's key or button is in the OFF position. If the key is in the Accessory or ON positions you will get a message on the display to turn the key off.</p>
<p>2</p>		<p>BrAC test Begins Press the large Start Button once to power the device to begin the test. The display will read "BrAC test Begins," then will display any messages or warnings.</p>
<p>3</p>		<p>Blow Now After starting the test, the display will read "Blow Now," and gives a 15 second window to begin blowing. You would also hear a pulsing beep sound when it is time to blow.</p>
<p>4</p>		<p>Blow During the 15 second window, you must begin blowing. Take a deep breath and blow a steady volume for around 5 seconds or until you hear a click from the device and the display will read the 15 seconds countdown. Blowing this way is less frustrating and more sanitary.</p>
<p>5</p>		<p>Computing BrAC After taking test, The display will read "computing BrAC" while you wait for the results.</p>
<p>6</p>		<p>BrAC Test Passed 0.000 When test is passed from under the limit, the display will read, "BrAC Test Passed 0.000." The indicator LED light will glow GREEN, and the timer will let you know the remaining 3 minutes that you have to start your vehicle. If you miss to start the vehicle in given time, you have to redo the test again.</p>

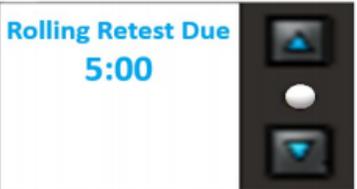
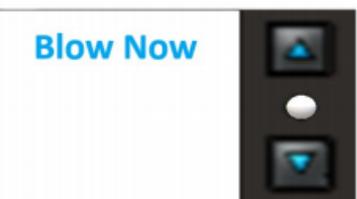
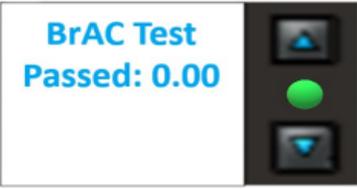
Participant Instruction Manual

Step	Action	Detailed description
7		<p>BrAC Test Failed</p> <p>If the Breath alcohol sample is above the legal limit of 0.030, the display will read, “FAILED,” and the indicator LED light will glow RED. The device will prevent you to start the vehicle which participants would need to provide a valid breath sample.</p>
8		<p>Invalid Attempt</p> <p>If your breath sample is too high in volume, too soft or short the display will read, “Invalid Attempt,” and the indicator LED light will glow RED. You will be given instructions to Retake the Test. Participants will be able to provide a new breath sample after a few seconds.</p>
9		<p>Secure HHU</p> <p>Before driving place the (handheld unit) HHU in a location that you can easily reach while driving. Do NOT disconnect the HHU from its USB latched cable. You may be required to take random rolling tests while driving. See Rolling Retest Section.</p>
10		<p>Drive Safe</p> <p>Congratulations now you are legally driving and always remember that Participants are responsible for the all events on the device, if you decided to share your vehicle make sure to prevent the driver regarding the procedures of the device installed on your vehicle.</p>
11		<p>3 Minutes Left to start the Engine Off</p> <p>After turning off the engine; the Participants will have 3 minutes to restart the vehicle without taking the test. It works for emergency cases if the car stalls. The display will read 3 minutes countdown and the indicator LED light will glow GREEN.</p>

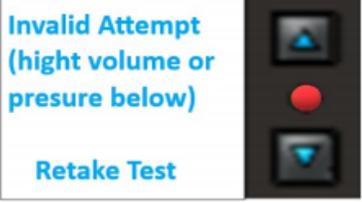
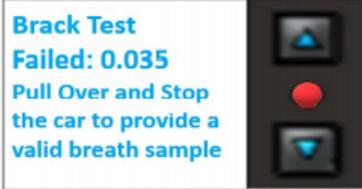
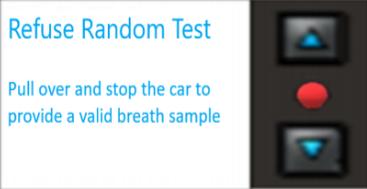
<p>12</p>		<p>Questions?</p> <p>Please feel free to call Autosense International 24/7 at 1-800-325-2656. If you have any questions regarding your device, we will be happy to help you always.</p>
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2.2.RANDOM ROLLING RETEST

While driving with the BAID will require the participants to give another breath sample to ensure he/she is still within the allowed BrAC limit. This is a REQUIRED Random Rolling test. If you do not take and pass this test you will be in violation of the interlock program and required to return to the service center within 5 days or the vehicle will no longer be allowed to start. This can result in additional costs and/or reporting to your monitoring agency (ex. DMV, Court).

Step	Action	Detailed description
<p>1</p>		<p>Rolling Retest Due</p> <p>While you are driving, the HHU will alert you that you must provide another breath sample. The beeper will go off and the display will read, "Rolling Retest Due." You will have 5 minutes to take the test.</p>
<p>2</p>		<p>Blow NOW</p> <p>When the device is ready for you to blow, a continuously beep sound will go off and the display will read, "Blow Now." The timer will show the amount of time left of 5 minutes to complete the test. You have to provide a steady volume and continuous breath sample until you hear the click in the HHU.</p>
<p>3</p>		<p>BrAC Test Passed: 0.000</p> <p>The results of the test will read on the display "BrAC Test Passed: 0.000.", and the indicator LED light will glow GREEN, a single beep will alert you the results will be available for 5 seconds. If you passed the test, you can now return the HHU to its secure location and keep driving.</p>

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<p>4</p>		<p>Invalid Attempt If your breath sample is too high in volume, too soft or short the display will read, “Invalid Attempt.” and the indicator LED light will glow RED, you will be given instructions to Retake the Test. Participants will be able to provide a new breath sample after few seconds, the display will read the remaining time left for the random rolling test.</p>
<p>5</p>		<p>BrAC Test Failed, The display will read, “BrAC Test Failed.” If your BrAC reading is above the allowed limit, pull over and stop the car to provide a new breath sample. The indicator LED light will glow RED and the beeping sound will continuously go off until you stop the car. You will need to contact your service center for the reset service. The device will enter in 5 days countdown and record as a Violation.</p>
<p>6</p>		<p>Refuse Random Rolling test The display will read “BrAC Test Refused” and to pull over and stop the car to provide a new breath sample and the indicator LED light will glow RED and the beeper will continuously go off until you stop the car, when it’s safe you must pull over and take the test because you didn’t successfully complete it in the allowed time. You will need to contact your service center for the reset service. The device will enter in 5 days lock out countdown and record as a Violation.</p>
<p>7</p>		<p>Questions? Please feel free to call Autosense International 24/7 at 1-800-325-2656 If you have any questions regarding your device, we will be happy to help you always.</p>

Safety Note:

The random rolling retest is designed to be taken safely while driving. There are audible beeps that will allow you to take the test without the need to look at your HHU display. However, if you feel it is not safe to take the test while driving you can pull over to take the test but do not turn off the engine before completing it.

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WARNINGS:

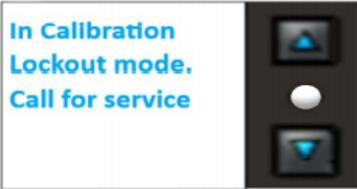
1. Turning off the engine during the random test does not stop the requirement to take the rolling retest.
2. Never leave the vehicle unattended while engine is running. This can result in a refusal violation if you miss a random test.
3. Do not open the device and break the tamperproof sticker.
4. VIOLATION, You will be held responsible for any violations **BYPASS**, **CIRCUNVENT** or **TAMPERING** which could result in fees and violation reports to DMV or the courts.

2.3 SERVICE PERIOD/RECALIBRATION

The BAIID must be returned to the service center at regular intervals, usually 60 days. This is often called a calibration/ monitoring service. However, not only will the BAIID be inspected and recalibrated, the vehicle will also be inspected and the data logger information will be downloaded and reviewed, we recommend to call your service center to schedule your appointment ahead of time.

Step	Action	Detailed description
1		<p>In Calibration Service</p> <p>Every 60 days period after the installation day you will read on the display “In calibration Lockout Countdown 07 Days.” Means you have 7 days grace period to call and schedule to get the service. The display will message you the remaining days every time you use your vehicle. If you didn’t schedule yet you must contact the service center immediately to schedule the service before the BAIID enters into full lockout.</p>

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2		<p>In Calibration Lock out mode, Call for service.</p> <p>On the last day of the grace period, the display will read “In Calibration Lock out mode, call for service”. Letting the BAIID exceed the grace period is a violation of the interlock program and will also cause a complete lockout of the BAIID. This could result in fees and violation noncompliance reports to DMV or the courts. Downloaded information may or may not be reported to your mandatory authorities.</p>
3		<p>WARNING:</p> <p>Failing to have the BAIID calibrated within the recalibration period will cause the BAIID to prevent you from starting your vehicle. This will also result in additional costs and possible violation (vehicle must be towed or mobile service technician to be called).</p>



2.4 Lockouts Countdown

A BAIID lockout countdown numbers is defined as the BAIID preventing the participants from going on complete lockout and not be able to drive the vehicle. The device will enter in lock out countdown numbers or warning period of 5 or 7 days given to the participant a chance to receive service prior to a full lockout. Your installed BAIID will enter into a lockout countdown under any of the following circumstances or events:

1. **Service period ended; calibration due. (7 days)**
2. **You failed a rolling BrAC retest failed (violation level 1). (5 days)**
3. **You ignored a rolling BrAC retest request (violation level 1). (5 days)**
4. **Your vehicle was started without taking a BrAC test, i.e., a bypass (violation level 2) (5 days)**
5. **The BAIID was opened up or tampered with (violation level 2). (5 days)**

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- 6. The power from the vehicle was disconnected from the BAIID. This includes a dead vehicle battery. (Violation level 2) (5 days)
- 7. The BAIID detected a malfunction during a self –diagnostics cycle.
- 8. A lockout countdown was issued remotely to the BAIID by Autosense for any suspicious events.

IMPORTANT: A lockout countdown will be started per individual event and the lockout countdown or lockout will remain in effect until it is explicitly cleared by a service center.

	<p>IMPORTANT: VIOLATION You will be held responsible for any violations BYPASS, CIRCUNVENT or TAMPERING which could result in fees and violation reports to DMV or the courts.</p> <p>*Do not open the device and break the tamperproof sticker on any circumstances*</p>
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Frequently Ask Questions.

Will the BAIID shut off the vehicle while I am driving? NO, only prevent your vehicle for starting. While you’re driving the device will not affect the operation of your vehicle.

if I need to get work done on my car by the mechanic? You may wish to contact our office prior the work done; we will guide to your mechanic the process according your state.

What happens if I am out of state and have BAIID problem? Call our office and we will be able to help you over the phone remotely.

2.5 TAKING VEHICLE TO MECHANIC

We recognize that your vehicle may need routine service or repairs while the Autosense BAIID is installed. It is important that you and your mechanic understand the need to remain in program compliance when a vehicle is serviced. You may wish to contact your service center prior to having your vehicle serviced.



The mechanic will need to still take BrAC tests to start the vehicle and should be warned against leaving the car running while unattended which could result in a refusal violation. Extra mouthpieces can be purchased at your service center.

Disconnecting the vehicle battery will create a violation and initiate a lockout countdown. If the vehicle battery must be disconnected for service, be prepared to have the vehicle taken to service center for reset within the allowed grace period or the BAIID will go into complete lockout.

If your vehicle needs major service or will be at repair facility for extended periods contact your service center for available options.

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Some service centers may also offer vehicle repair and services. Using your local interlock service centers where available may prevent unwanted violations and fees. We suggest checking with your local service centers to see what is available in your area.

IMPORTANT: Always get invoices from your mechanic showing time and date for drop off and pick up of your vehicle. You will be held responsible for any violations or tampering which could result in fees and violation reports to DMV/Courts.

WE RECOMMEND TO KEEP THE INSTRUCTION MANUAL AT YOUR VEHICLE ALL THE TIME



3. NON COMPLIANCE IGNITION INTERLOCK DEVICE

Your driving privilege could be suspended or revoked if you do not comply with your BAIID restrictions. BAIID noncompliance includes but not limited to the following:

Missing a calibration will make you noncompliance and cause the IID to lockout.

- **Failed to service calibration BAIID within 60 days**
- **Attempting to bypass the BAIID.**
- **Tampering with the BAIID.**
- **Attempting to remove the BAIID.**

4. BAIID CARE

4.1 General Care

*Use a dry cotton cloth to dust off any dust or blemishes on the HHU.

*Prevent any spills of liquids or food on the HHU or the BU.

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*Mishandling of the BAIID could cause a malfunctioning of the BAIID which will prevent you from starting your vehicle.

4.2. Extreme temperatures

The Autosense ASI Series IV BAIID uses an alcohol sensor specified for operation within a 32°F – 120°F temperature range. The Autosense BAIID has a build-in heater, but it will take time to heat up at very cold temperatures. The BAIID has no built-in cooler and external cooling must be applied, such as the vehicle's air conditioner, in case of temperatures higher than 120°F.

If the HHU is out of the allowed temperature range the display will read heating up until ready or prompt to apply external heating or cooling when the HHU's START BUTTON is pressed.

When leaving your vehicle parked in extreme temperatures, disconnect the HHU and store it at room temperature.

4.3 Disconnecting and Reconnecting The HHU

In order to disconnect the USB wire from the HHU, depress in both side latches on the bottom connector using two fingers, and gently pull out the connector away from the HHU. To reconnect the HHU, simply plug the connector back into the HHU.

4. Accessories

Mouthpieces, BAIID Instruction manual, HHU connectors.

5. Products to Avoid

We've already discussed that your ignition interlock device is highly precise and highly accurate when it comes to detecting alcohol on your breath. However, Many Common Items Have Enough Alcohol trace amounts in them that can register on Your Ignition Interlock Device.

The effects of these alcohol containing foods can be detected immediately after ingesting or used them. It is advised to wait at least 5 to 10 minutes, with this in mind, there are some items you may want to avoid eating, drinking, or using for the period of your ignition interlock program, drink or rinse your mouth out thoroughly with water, and air out your car before attempting to submit a breath sample on your device because the alcohol from these products is only in your mouth or surrounding, must not be in your system like, *Mouthwash *Breath spray *some cough medicines *Food with alcohol *Rum cake *Foods with vanilla extract *Energy drinks such as Red Bull or Monster *Hand sanitizers right before the test, *Any candies with alcohol, *strong perfumes, *Gasoline, *power bars such as cliff bars, *vinaigrettes with wine vinegar, *non alcoholic beverage, *sugar free products *yeast, *body spray etc. we will keep updating the list.



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5. TROUBLE SHOOTING

The BAID has been designed to operate very reliably. However, if there is a problem follow the steps here below; If the problem persists, call your ASI service center or 24/7 customer service 800-325-2656.

Problem	Solution
Invalid Sample: Low Pressure	Retake test. Blow slightly harder and be sure to use firm constant breath pressure for the period of the test.
Invalid Sample: High Pressure	Retake test. Blow slightly softer and be sure to use firm constant breath pressure for the period of the test.
BrAC Test Failed	The effects of alcohol containing foods or products can be detected immediately after ingesting. It is advised to wait at least 5 minutes prior the test and/or thoroughly rinse your mouth with water.
Invalid Sample: Temperature	Retake test. Do not eat or drink hot or cold foods 5 minutes prior to taking test.
Invalid Sample: Volume	Retake test. Be sure to use firm constant breath pressure for duration of test. Do not stop blowing until you hear click or display says "computing BrAC"

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No response when pressing start button.	<p>*Disconnect the HHU from cable that connects it to the BU by depressing the latches on the sides of the USB connector. Wait for a few seconds and reconnect the USB cable again to the HHU.</p> <p>*Verify that the key is in off position prior to testing.</p> <p>*Verify vehicle battery is connected and at full charge 12Volt power.</p>
Test Pass but vehicle does not start	This most likely is a vehicle issue not a BAIID issue. Verify your vehicle battery and starting system.
Temperature out of range	The HHU will only operate between 32°F – 120°F. The HHU does have a warming feature during the test mode that can warm device some but no independent cooling feature. This most likely wouldn't be necessary but if it does happen remove HHU and warm or cool it as needed.
Engine does not turn off(push button start ignitions only)	If BAIID will allow test, take test and then push button to turn off. Then call service center immediately for maintenance appointment.

If any of the problems persists, call your local service center for assistance. Or call the ASI 24/7 technical support line at 800-498-9071.

5. PRE-CONFIGURED SETTINGS

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Parameter	Setting
State/Jurisdiction	California
BrAC limit (g/dL)	0.030
Ignition BrAC Tests	
BrAC limit (g/dL)	0.030
Vehicle start grace period (minutes)	3 minutes
Vehicle re-start grace period (minutes)	3 minutes
Rolling Retests	
BrAC limit (g/dL)	0.030
Interval random test 1 st subsequent (minutes)	5-15/15-45 minutes
Retest grace period (minutes)	5 minutes
Horn alarm/ Headlight alarm (enabled/disabled)	Disabled
Re-calibration	
Re-calibration interval (days)	60 days
Re-calibration service grace period (days)	7 days
Violation Lockout	
Violation Level 1 grace period (days)	5 days
Violation Level 2 grace period (days)	5 days



To verify REMOVAL call
Mandatory Action Unit
 (Sacramento)
 DMV
 1 (916) 657-6525

Autosense International
1-800-325-2656
autosenseintl.com

Address & contact number of the service provider

Application: Service provider near me