

Breath Alcohol Monitoring

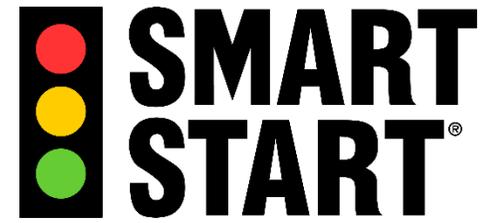
The Nuts and Bolts of Ignition Interlock

JoAnn Hamaji-Oto

*Hawaii State Director
Smart Start*

October 1, 2019





About Smart Start

- Over 25 years of alcohol testing experience
- 24/7/365 bilingual customer support
- Operates in 47 states and 22 countries
- More than 2,000 service center locations worldwide
- First to offer continuing education programs/courses for monitoring authorities
- Serviced over a million clients
- Prevented over 11 million illegal vehicle starts
- 1 billion “safe” (under the legal limit) starts

Why Ignition Interlock

- In 2006 MADD launched their Campaign to Eliminate Drunk Driving. Ignition Interlock to prevent drunk driving is a main technology of the campaign
- 50-75 percent of convicted drunk drivers continue to drive on a suspended license

Hawaii Ignition Interlock Law

Effective January 1, 2011

- Requires installation and operation of ignition interlock device on all vehicles driven by offender.
- Required after administrative and/or criminal revocation of a driver's license for driving under the influence of alcohol
- IID also required if wish to drive after revocation due to driving under the influence of drugs

What Is The IID?

Ignition Interlock Device

IID

BAIID

Breathalyzer

- An interlock is a device installed on the vehicle to prevent the car from starting if there is a positive alcohol reading
- Device uses a fuel cell sensor specific to detect alcohol



IID components



Camera Functionality

Hawaii requires pictures be captured when:

- Vehicle is started
- A test is prompted
- Sample is submitted (regardless of the BrAC result)
- Fail to provide adequate sample



NOTE: camera captures photo images, not video

Smart Start IID Features

- Takes approx. 3-7 seconds for breath analysis
- Audio prompts can be turned from tone to voice
- Recover time 5-20 seconds
- Language
- Optional cellular modem/cell and GPS tracking
(not required in HI - exception DWI Court participants)
- Camera – who took the test!
(takes photos only when prompted, not video)

Anti-circumvention Technology

- Blow pattern (straight-hum tone)
- Temperature of breath sample
- Humidity present in breath sample
- Volume of air sample
- Temperature of ambient air near IID
- Connections inside vehicle wrapped with tamper proof tape

Driving With The IID

- Key in the ignition - on position
- Device turns on, prompts for a breath test
 - Alcohol reading .020 BrAC or higher, car will not start. (preset limit for Hawaii is .020)
 - After 3rd fail/alcohol positive test in a row-15 minute lockout
- After initial test is passed, device prompts rolling retests (RR) as the car is being driven
 - First RR between 5 -15 minutes from initial test
 - About 15 min thereafter



Rolling Retests

- Driver has 6 minutes to safely take a rolling retest
 - Driver must take rolling retest anytime during the 6 minutes after the device requests the test
 - If the driver takes test and fails, or refuses (skips) the test during the 6 minutes, a skipped test will be logged.

What Happens To Data?

- Email sent to MA (HIDOT)

001975140918104840 Page 1 of 2

Smart Start Ignition Interlock Report

Service Center: HIAiea
Device/Model: SSI 20/30 Head
Address: 98-025 Hekaha St
Suite 6
Phone #: 1-800-880-3394
Fax #: 972-929-6638
Date of Service: 7/9/19
Report Generation: 7/9/19
Report Period: 6/19/19 12:53 PM - 7/9/19 1:48 PM
Next Service Date:

Monitor Information:
Name: DOT, Hawaii
Address: 809 Punchbowl St., Rm. 405
Honolulu, HI 96813
Phone #: 808-587-6302
Fax #: 808-587-6303
E-Mail: ami.scronee@smartstartinc.com, robert.
Condition: DMV

Client Information:
Case #:
State/Count ID #:
County: Honolulu
Installation Date: 9/18/2014
Removal Date: 7/9/2019
Name:
DOB:
Address:
DL #:
Phone #:

Vehicle Information:
Mileage:
Make and Model:
Plate #:
Color:
VIN:

Summary of Events:
Illegal Starts: 0
Warnings (0.015): 0
High BrAC (0.020): 0
Rolling Retest Refused: 2
Rolling Retest Failed: 0
Engine Starts: 74
Engine Stops: 74
Power Offs: 0
Power Ons: 3
Handset Disconnects: 0
Handset Connects: 0
Authorized Starts: NA
Aborts: 19
Violation Lockouts: 0
Violation Lockout Mode: 0
Service Lockout Mode: 0

Handset #: EHIN000660
Relay #: EJDH007172
Camera Unit: No
Calibration Confirmation: 0.027

Detailed Events

Monitoring / Reporting

- HDOT is responsible for the IID program in Hawaii and they are the monitoring authority for clients
- Reports are sent to HDOT and Smart Start staff is available to assist monitoring authorities with the interpretation of the report
- IID permit verification - ADLRO
- Permit only allows a client to drive a vehicle equipped with an IID

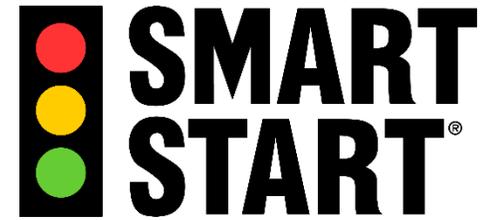
Interlock Costs

- Installation fee - \$84
- Monthly lease - \$89
- Transfer fee - \$140
- Lockout fee - \$50
- Indigent discounted pricing
 - *Documentation required*
 - *Up to 50 percent reduction in fees*
 - *Lockout fees – no change*



IID Permit

Office of the Administrative Director - Administrative Driver's License Revocation Office
THE JUDICIARY - STATE OF HAWAII
2875 South King Street, Suite 101 - Honolulu, Hawaii 96826-3564
Telephone (808) 534-6800 - Fax (808) 973-9508 - Neighbor Island Toll Free 1-866-826-5656



ADLRO Permit NO. _____
 District Court of the _____ Circuit Permit NO. _____

IGNITION INTERLOCK PERMIT
THE JUDICIARY, STATE OF HAWAII

NAME: _____ DATE PERMIT BEGINS: ____/____/____
ADDRESS: _____
CITY: _____ STATE: _____ ZIP CODE: _____ DATE PERMIT ENDS: ____/____/____
DOB: ____/____/____ LIC# _____

The driver's license of the above-named person has been REVOKED. This permit allows the above-named person to operate only a vehicle equipped with a fully functioning ignition interlock device. It is a crime to circumvent or tamper with an ignition interlock device. It is also a crime for the above-named person to operate or assume actual physical control of any vehicle not equipped with an ignition interlock device. Conviction of any of these offenses will result in the loss of the privilege to operate a vehicle equipped with an ignition interlock device.

DRIVER'S SIGNATURE _____
 ADLRO Chief Adjudicator
 Clerk of the Court

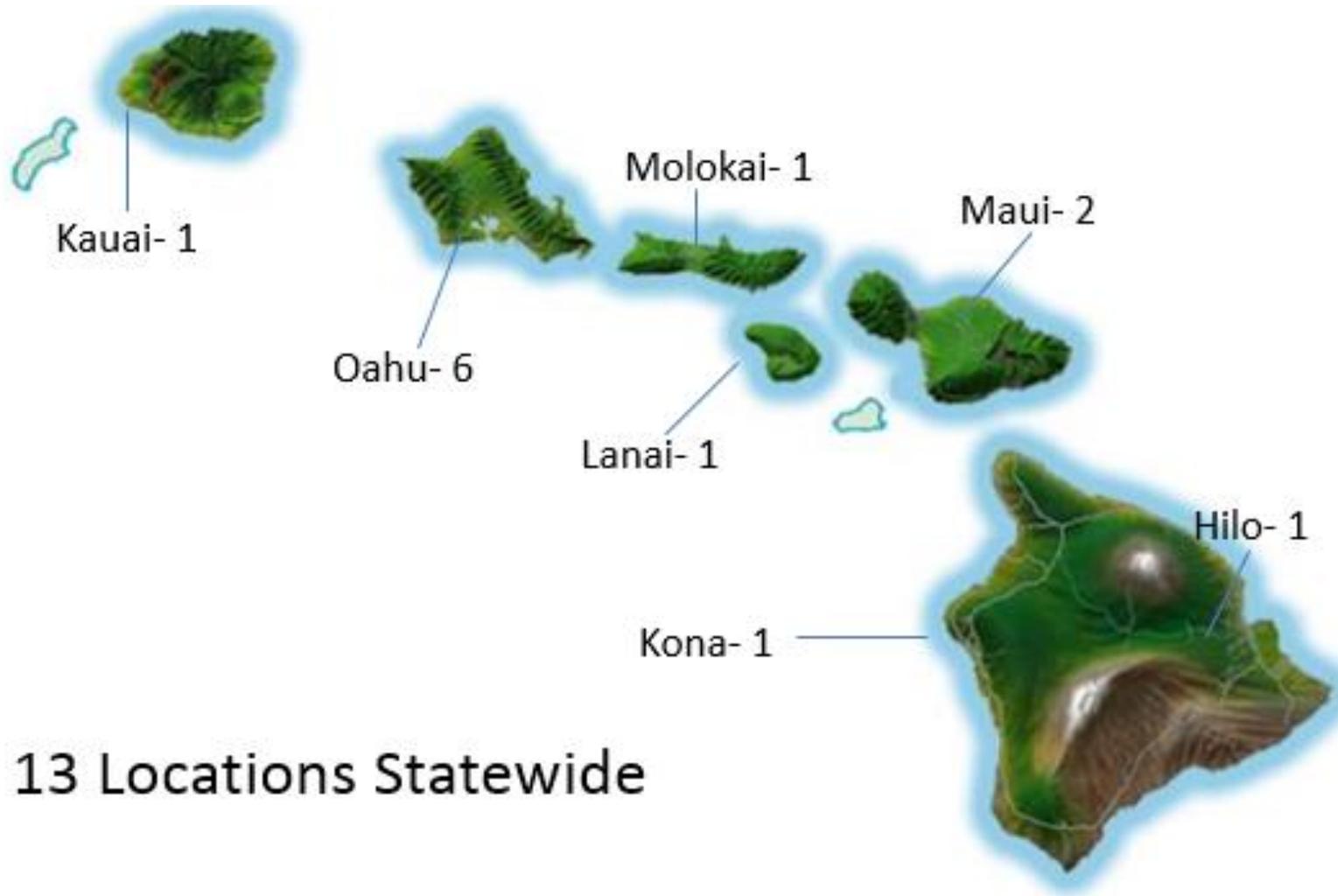
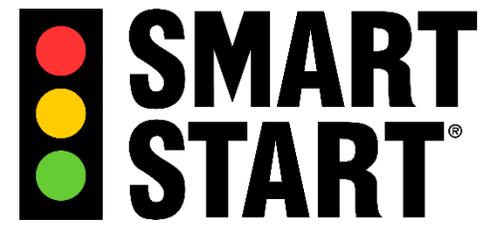
ADLRO IIP (01/11)

This permit is restricted to a category 1, 2, or 3 license under HRS §286-102(b).

This permit is not valid without the driver's signature and the raised seal of the Administrative Driver's License Revocation Office.

There is a \$5.00 fee for replacement of this permit.

Hawaii Smart Start Locations



13 Locations Statewide



What Causes A Violation

Hawaii IID program allows 5 violations per 30 day service period.

These are:

- 1) Tampering or attempting to tamper with or unauthorized circumvention of the IID
- 2) A BrAC of .020 and above
- 3) 20 aborts in a row
- 4) Skipping/failing a rolling retest
- 5) Missing a service appointment

Violation Results

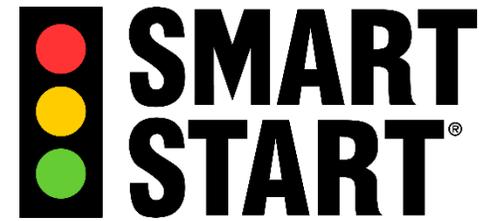
- 5 violations
72 hour countdown to lockout
- Vehicle must return to service center
- \$50 lockout fee

Circumvention

May result in:

- Additional fines
- Jail time
- Loss of privilege to drive with an IID

Hawaii Circumvention 291E-66



[§291E-66]

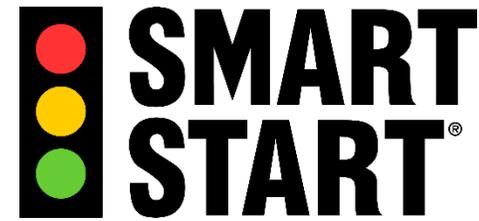
Circumvention of, or tampering with, an ignition interlock device by a person who has been restricted to operating a vehicle equipped with an ignition interlock device;

penalties. (a) No person whose driving privileges have been restricted to operating a vehicle equipped with an ignition interlock device shall knowingly:

1. Request, solicit, direct, or authorize another person to blow into an ignition interlock device or start a vehicle equipped with the device for the purpose of providing an operable vehicle to a person who has been restricted by law to operating only a vehicle so equipped; or
2. Tamper with an ignition interlock device with the intent to render it inaccurate or inoperable.
 - B. Any person required under subsection (a) to drive using an ignition interlock device, who violates subsection (a) shall be sentenced without possibility of probation or suspension of sentence as follows:

1. For a first offense, or any offense not preceded within a five-year period by conviction under this section or section 291E-62(a)(3):
 - A. A term of imprisonment of not less than three consecutive days but not more than thirty days;
 - B. A fine of not less than \$250 but not more than \$1,000; and
 - C. Loss of the privilege to operate a vehicle equipped with an ignition interlock device;
 2. For an offense that occurs within five years of a prior conviction for an offense under this section or section 291E-62(a)(3):
 - A. Thirty days imprisonment;
 - B. A \$1,000 fine; and
 - C. Loss of the privilege to operate a vehicle equipped with an ignition interlock device; and
 3. For an offense that occurs within five years of two or more prior convictions for offenses under this section or section 291E-62(a)(3), or any combination thereof:
 - A. One year imprisonment;
 - B. A \$2,000 fine; and
 - C. Loss of the privilege to operate a vehicle equipped with an ignition interlock device.
- [L 2010, c 166, pt of §2]

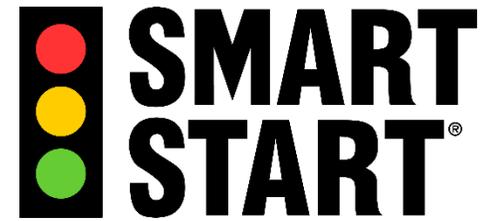
Hawaii Circumvention 291E-66



[§291E-67] Assisting or abetting the circumvention of, or tampering with, an ignition interlock device; penalties. (a) No person shall knowingly:

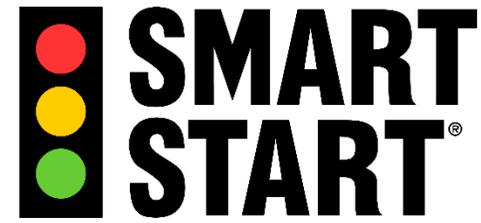
1. Blow into or start a vehicle equipped with an ignition interlock device for the purposes of providing an operable vehicle to another person who has been restricted by law to operating only a vehicle equipped with an ignition interlock device;
2. Tamper with an ignition interlock device with the intent to render it inaccurate or inoperable to permit another person, who has been restricted by law to operating only a vehicle equipped with an ignition interlock device, to operate the vehicle; or
3. Rent, lease, or lend a vehicle to another person who has been restricted by law to operating only vehicles equipped with an ignition interlock device, when the rented, leased, or loaned vehicle is not equipped with a functioning certified ignition interlock device.
 - b) Subsection (a) shall not apply to any act taken for the purpose of safety or mechanical repair of the device; provided that the person who is restricted to operating a vehicle equipped with the interlock device does not operate the vehicle.
 - c) Any person who violates this section shall be:
 1. Fined not more than \$1,000 or imprisoned not more than thirty days, or both, for any offense that does not occur within five years of two prior convictions for this offense; and
 2. Fined not less than \$500 but not more than \$1,000 or imprisoned not more than one year, or both, if the person has two or more prior convictions for the offense in the preceding five-year period. [L 2010, c 166, pt of §2]

Total Number of Alcohol Positive Prevented Engine Starts



<u>2011 (Start of Program)</u>	<u>2016</u>
4,420	12,685
<u>2012</u>	<u>2017</u>
11,653	11,388
<u>2013</u>	<u>2018</u>
14,861	13,505
<u>2014</u>	<u>2019 (As of 8/31/19)</u>
15,575	7,313
<u>2015</u>	
13,418	

Period 1/1/2018- 12/31/2018



Total # of alcohol positive prevented engine starts- **13,505**

Positive tests between .025-.079- **12,267**

Positive tests between .080-.99- **587**

Positive tests between .10-.159- **500**

Positive tests at .16 and above- **151**

Smart Start Alcohol Monitoring Solutions



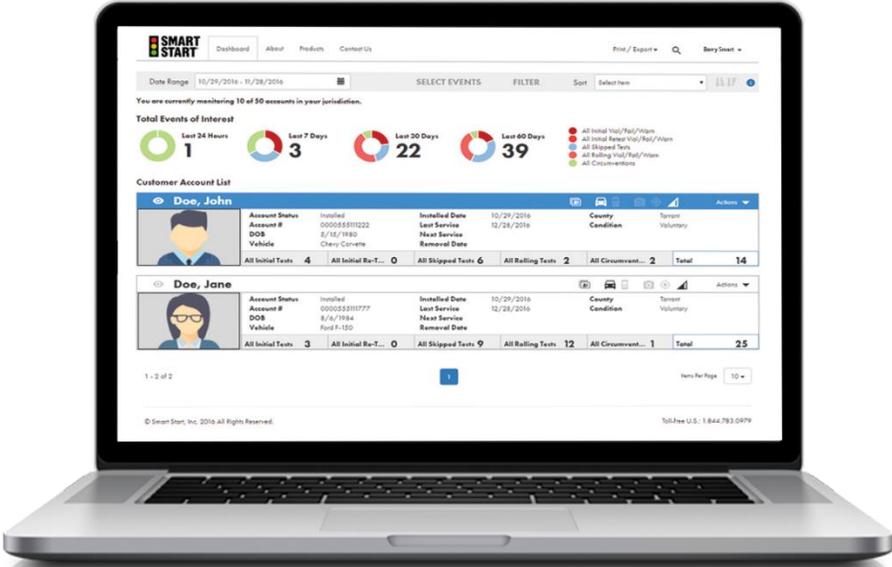
Ignition Interlock



SMART MOBILE



BreathCheck



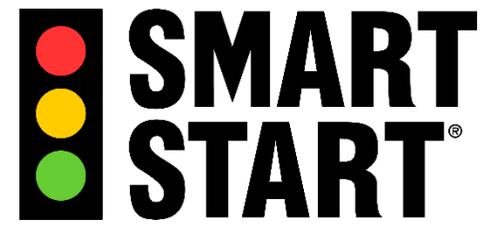
SMARTWeb for Monitors



Mahalo!



Friends Don't Let Friends Drive Drunk



JoAnn Hamaji-Oto

State Director

Smart Start LLC Hawaii

695-2416 Office

Jhamaji-oto@smartstartinc.com