

WR3 IGNITION INTERLOCK

Compliance Guide
-Nova Scotia-



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Operating Instructions

Getting Started



NOTE: Do not simply turn the ignition on. You must provide a breath test first. Simply turning the ignition key could cause a Start Violation and an Immediate Recall. This results in unscheduled service and applicable fees.

1. Press the right button on the handset to power on the interlock unit. Do not attempt a test until the unit has completed the powering-up cycle. This may take up to 3 minutes in cold weather.

Do not turn on the ignition (key); otherwise, the display will indicate **Turn Key Off**. If the Turn Key Off message remains for 6 minutes, the display will show **KEY VIOLATION**, triggering an Immediate Recall. The service reminder resets to 5 days, and the display indicates **Immediate Recall 16**, along with the latest date on which you can drive the vehicle before a Permanent Lockout. This means that the interlock needs to be reset by the Service Provider at your expense within 5 days. Otherwise, the device will enter a Permanent Lockout* condition.

2. Wait until the display indicates **Ready for Test** before attempting a breath test. Do not eat, drink, smoke, or use mouthwash for at least 15 minutes before testing.
3. Blow and hum simultaneously into the mouthpiece with sufficient and constant pressure to cause a tone to sound. Continue blowing and humming simultaneously for 5 seconds until the tone stops and a “beep” sounds. The display will indicate **Wait** for several seconds.

Test Results

The results of your test determine whether or not you can start the vehicle.

A green or red light illuminates within 10 seconds after the test. Do not turn on the ignition before the light illuminates – this aborts the test.

Result	Blood Alcohol Concentration (BAC) in mg%	Message on Display	Procedure
Pass (green light)	0 to 19	Start Motor	Start the vehicle by switching on the ignition in the normal way.
Fail (red light)	20 or more	Lockout	Wait at least 5 minutes before attempting another test. If a consecutive Fail result follows, the lockout period will be 30 minutes.

A Fail result prevents you from starting the vehicle, even though the legal limit might be higher (e.g., 50 mg%).

* A Permanent Lockout immobilizes your vehicle.

A second consecutive Fail result prior to starting the vehicle results in a Program Violation and an Immediate Recall. The service reminder resets to five days, and two things display:

1. **Immediate Recall 4**
2. The latest date on which you can drive the vehicle before a Permanent Lockout^{*}

This means that the interlock needs to be reset by the Service Provider (at your expense) by the indicated date.

Retesting

- Successive retests are required at random times while the motor is running. The display will indicate **Retest**, and a double beep will sound. The first retest will occur within 5 minutes after starting the vehicle. Subsequent retests will occur at intervals of up to 45 minutes.

The procedure for a retest is the same as for an initial test:

1. Hum and blow simultaneously for 5 seconds until the tone ends and a beep sounds.
2. The display indicates **Wait**.
3. The result is indicated through a message, a light, and a tone.



NOTE: In response to a retest request, carefully stop your vehicle at the side of the road. Complete a successful breath test before you resume driving.

If a retest is not passed within 3 minutes after the request, the interlock will enter a Missed Retest condition. **Missed Retest** will display, and the alarm horn will sound. If the test is not passed, or the motor is not shut off and the right button pressed within an additional 3 minutes, the interlock will record an Extended Missed Retest.

An Extended Missed Retest is considered a Program Violation, and will trigger an Immediate Recall 5. The service reminder will be reset to five days, and the display will indicate **Immediate Recall 5** along with the final date on which you can drive the vehicle before a Permanent Lockout.^{*} This means that the interlock needs to be reset by the Service Provider at your expense within five days.

- If a Fail result occurs, the display will indicate **Pull Over, Turn Off Motor**. A tone will sound to indicate that you have 3 minutes to shut off the motor.

Do not press the right button without shutting off the motor. If you do this, the alarm horn will sound. Failure to shut off within a further 3-minute period will trigger an Immediate Recall. The Service Reminder will be reset to five days, and the display will indicate **Immediate Recall 5**, along with the final date on which you can drive the vehicle before a Permanent Lockout.

After shutting off the motor in response to the Pull Over, Turn Off Motor message, press the right button on the handset. At this time, the interlock will enter a lockout condition, and the vehicle will be immobilized for 5 minutes. If a second Fail result follows, the lockout period becomes 30 minutes.

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NOTE: Any Fail result following a retest request is considered to be a Program Violation. This triggers an Immediate Recall, and the Service Centre must report the violation to the Registrar of Motor Vehicles.

Service Recalls and Other Issues

- If the vehicle is started by hot wiring or push starting, the display will indicate **Start Violation**. This is considered a Program Violation and will trigger an Immediate Recall. The service reminder will be reset to five days, and the display will indicate **Immediate Recall 7** along with the final date on which you can drive the vehicle before a Permanent Lockout. This means that the interlock will need to be reset by the Service Provider at your expense within five days. Otherwise, the device will enter a Permanent Lockout* condition.
- Starting seven days before the scheduled service date, after every retest, the display will indicate **Service Due** and the date and time by which the vehicle is required for routine service. This will appear every time the interlock device is powered on, as well as for 3 minutes after the motor is shut off. If the vehicle has not been serviced by the Service Date, the display will indicate **Missed Service** and the final date on which you can drive the vehicle before a Permanent Lockout. Five days after the due date for service, the Interlock will enter a Permanent Lockout* condition.



NOTE: Failure to return to the Service Centre for inspection of the interlock device and downloading of data as required is considered a Program Violation. The Service Centre must report this to the Registrar of Motor Vehicles.

- After you power the vehicle off, a Stall Protect timer starts, providing a 3-minute period during which you can restart the motor without a breath test. However, if a retest request has been initiated, you should complete the retest before powering off.

Depending on the Sleep Timer setting, the interlock will automatically power off at a point ranging from 30 minutes to 2 hours after the motor shuts off. Alternatively, you can manually power off the interlock by pressing and holding both buttons at once.



NOTE: If you seldom use your vehicle, or drive mostly short distances, set your Sleep Timer to 30 minutes. This helps to reduce battery drain.

- Disconnecting the vehicle's battery for more than 15 minutes (or three Power Off events lasting 5 minutes or longer) will trigger an early recall. Depending on the circumstances, this may be considered a Program Violation. The service reminder will be reset to 12 days, and the display will indicate **Early Recall 8** (three 5-minute power-off events), or **Early Recall 14** (one 15-minute power-off event), along with the final date on which you can drive the vehicle before a Permanent Lockout. This message means that the interlock will need to be reset by the Service Provider within 7 days (plus a 5-day grace period). Otherwise, the device will enter a Permanent Lockout* condition.

Battery boosting is not recommended. However, if you need to disconnect the battery for more than 15 minutes, you should first contact the interlock Service Provider.

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- Cellular phones and mobile radios produce high levels of radio frequency (RF) noise, which may cause the interlock to abort the test. Turn these devices off during a breath test – an RF signal is still produced if a phone is on.
- The Hold for Standby feature applies to commercial vehicles only. It allows the vehicle to remain idle without requiring another breath test.

Program Violations

The Service Provider must report Program Violations to the Registrar of Motor Vehicles, which administers the Interlock Program. A Program Violation may result in referral to the Registrar of Motor Vehicles and/or Addictions Nova Scotia, extension of required interlock use, and/or revocation of driving privileges.

Program Violations include:

1. Tampering

Tampering is defined as “an unlawful act or attempt to disable or circumvent the legal operation of the ignition interlock device.” Without limiting the generality of this definition, these are examples of tampering:

- Cutting and/or disconnecting any of the wires that connect the interlock to the vehicle
- Removal of the tamper seals from the interlock, interlock wiring, or alarm horn
- Covering and/or disabling the alarm horn
- Unauthorized disconnection of the vehicle battery from the interlock for more than 15 minutes on a single occasion (or three such events lasting 5 minutes or longer)
- Hot wiring or push starting the vehicle
- Damage to or loss of the interlock, interlock wiring, or alarm horn



NOTE: Should any tampering result from work done by a certified auto repair facility, you must bring a receipted invoice or work order to the Service Provider indicating the business name, vehicle, work done, time in, and time out. The violation time must match the time of service on the invoice or work order. If you plan to work on your own vehicle, you must notify the Service Provider in advance.

2. Failure to return to the Service Provider for inspection of the interlock or downloading of data as required.
3. Failure to comply with retest requirements to the extent that the alarm horn is on for at least 3 minutes (triggering an Immediate Recall).
4. Failure to comply with a Pull Over, Turn Off Motor message in the event of a Fail result on a retest to the extent at which the alarm horn sounds for at least 3 minutes (triggering an Immediate Recall).
5. Two consecutive Fail results prior to starting the vehicle.
6. Any BAC Fail result requires the driver to take and pass another breath test as soon as the lockout period expires. Otherwise the BAC Fail event may be considered a program violation.

Display Messages (listed alphabetically)

DISPLAY MESSAGE	DESCRIPTION	ACTION
ABORT 10	Problem with the handset	Attempt the test again. Call the Service Provider if this message appears frequently.
ABORT 30	Problem with the handset	Attempt the test again. Call the Service Provider if this message appears frequently.
ABORT 40	Possible problem with the handset (One ABORT 40 per hundred tests is considered normal.)	Attempt the test again. Call the Service Provider if this message appears frequently.
ABORT 45	Possible problem with the handset (One ABORT 45 per hundred tests is considered normal.)	Attempt the test again. Call the Service Provider if this message appears frequently.
ABORT 50	Possible problem with the handset (One ABORT 50 per hundred tests is considered normal.)	Attempt the test again. Call the Service Provider if this message appears frequently.
(blank screen)	The interlock unit is in a Power Off state, or the handset is warmer than 158°F.	Press right button on handset, and proceed with test when the green LED flashes. Make sure that you plug in the handset securely.
Blow Longer and Harder	Blowing pressure below minimum threshold at some point during the 5-second sampling period.	Blow harder during the test. Ensure that mobile phones are off.
Blow Softer	Blowing pressure above maximum threshold at some point during the 5-second sampling period.	Blow more softly during the test. Ensure that mobile phones are off.
Blow Longer	Breath test was not performed for the last second of the sample period.	Blow for the entire duration of the test.
Drive Safely	After obtaining a Pass result, you can start the vehicle. A retest timer then starts.	Operate the vehicle normally. Repeat breath tests as requested.

DISPLAY MESSAGE	DESCRIPTION	ACTION
Early Recall 2	Service Reminder for 12 days initiated because running of the motor has not been detected. The final date on which you can drive the vehicle before Permanent Lockout* displays.	Call the Interlock Service Provider to arrange for an appointment before the Permanent Lockout date.
Early Recall 8 or 14	Service Reminder for 12 days initiated because of power disconnects. The final date on which you can drive the vehicle before Permanent Lockout* displays.	Call the Interlock Service Provider to arrange for an appointment before the Permanent Lockout date.
Early Recall 9	Service Reminder for 12 days because of consecutive hum aborts. The final date on which you can drive the vehicle before Permanent Lockout* displays.	Call the Interlock Service Provider to arrange for an appointment before the Permanent Lockout date.
Early Recall 12	Service Reminder for 12 days initiated because of a problem with the ignition switch. The final date on which you can drive the vehicle before Permanent Lockout* displays.	Call the Interlock Service Provider to arrange for an appointment before the Permanent Lockout date.
Hold for Standby	This feature applies to commercial vehicles only. It allows the vehicle to remain idle without requiring a breath test.	Push the button indicated on the display.
Hold for Warm-up	This feature allows the vehicle to remain idle without requiring another breath test for up to 30 minutes.	Push the button indicated on the display.
Hold Right Button to Cancel Restart	Occurs 5 seconds after the ignition switch has been turned off following a missed or failed retest. A breath test cannot be taken until the button has been pressed and the Ready for Test message displays.	Turn ignition switch off, wait 6 seconds, and then press the right button. Take a breath test after the Ready for Test message displays.
Hum Louder	Steady, balanced hum tone not detected at some point during the sampling period.	Hum and blow steadily during the entire test. Also, make sure that your hum is not excessively loud in comparison to your blowing force.

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DISPLAY MESSAGE	DESCRIPTION	ACTION
Immediate Recall 1	Service Reminder for 5 days initiated because of five Fail results on a retest. The final date on which you can drive the vehicle before Permanent Lockout* displays.	Call the Interlock Service Provider to arrange for an appointment before the Permanent Lockout date.
Immediate Recall 4	Service Reminder for 5 days initiated because of two Fail results in a row. The final date on which you can drive the vehicle before Permanent Lockout* displays.	Call the Interlock Service Provider to arrange for an appointment before the Permanent Lockout date.
Immediate Recall 5	Service Reminder for 5 days initiated because of an Extended Missed Retest. The final date on which you can drive the vehicle before Permanent Lockout* displays.	Call the Interlock Service Provider to arrange for an appointment before the Permanent Lockout date.
Immediate Recall 6	Service Reminder for 5 days initiated because a Pull over, Turn off Motor condition has lasted more than 6 minutes. The final date on which you can drive the vehicle before Permanent Lockout* displays.	Call the Interlock Service Provider to arrange for an appointment before the Permanent Lockout date.
Immediate Recall 7	Service Reminder for 5 days initiated by a Start Violation. The final date on which you can drive the vehicle before Permanent Lockout* displays.	Call the Interlock Service Provider to arrange for an appointment before the Permanent Lockout date.
Invalid Sample 01	Too much humidity	Shake or dry out the mouthpiece.
Invalid Sample 02	Front flow issue (back vents might be obstructed)	Uncover the back vents.
Invalid Sample 03	Back flow issue (too much air is going into the back vents)	Close windows, turn off fans, etc.
Lockout 5 Minutes Lockout 30 Minutes	A breath test resulting in a Fail is indicated by a red light, accompanied by a distinctive tone. Next, a lockout message displays, indicating that the device will not accept another breath test for the period shown.	Wait until the end of the lockout period. Do not attempt another test if you have consumed alcohol.

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DISPLAY MESSAGE	DESCRIPTION	ACTION
Missed Retest	Occurs when a retest is not properly completed within the 3-minute time allowed. A tone continues to sound until the driver completes the test or shuts off the motor. When the 3 minutes have expired, the alarm horn will sound for another 3-minute period, followed by an Immediate Recall.	Complete the breath test as required. Alternatively, switch off the ignition key and press the right button on the handset after Hold Right Button to Cancel Restart displays.
Missed Service	If the interlock is not serviced by the due date, it will display a Missed Service message, followed by the lockout date. This continues for 5 days (the grace period). If the unit has not been serviced by the end of the grace period, it will enter a Permanent Lockout* condition.	Call the Interlock Service Provider and schedule a new appointment date no later than 5 days after the due date.
Permanent Lockout*	Service reminder period has expired. The device will not accept a breath test until it has been reset by the Service Centre. Until then, the vehicle cannot be started.	Call the Interlock Service Provider to schedule an appointment. You might need to have your vehicle towed to the Service Centre.
Pull over, Turn off Motor	Occurs when a Fail result occurs on a retest. You have 3 minutes to stop and shut off the motor before an Immediate Recall occurs.	<ol style="list-style-type: none"> 1. Safely stop the vehicle. 2. Wait 6 seconds for the Hold Right Button to Cancel Restart message to appear. 3. Press the right button to engage the lockout.
Ready for Test	The device is ready for a breath test.	Breath test may be attempted.
Restart Available	After the ignition key is switched off, a 3-minute Stall Protect timer begins. During this time, the vehicle may be started without a breath test.	Option to start motor
Retest	A double beeping tone sounds, and the display indicates Retest . You have 3 minutes to safely pull over and complete a breath test. For 2 minutes, the tone will be steady. For the last minute, the tone will sound more urgent.	Take the retest as required.

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DISPLAY MESSAGE	DESCRIPTION	ACTION
Service Due	<p>Reminder of appointment for scheduled service, noting the date and time of the appointment.</p> <p>Starting 7 days prior to a scheduled service date, the message displays:</p> <ul style="list-style-type: none"> • When you power on the interlock • When you shut off the motor • After every retest 	Arrive at the Service Centre at the scheduled service date and time.
Start Motor	<p>Following a successful breath test, the display indicates that you can start your vehicle.</p> <p>NOTE: Turning the ignition on for one minute without starting the vehicle will cause an Ignition Fault to be logged. Depending on the circumstances, this may be considered a Program Violation.</p>	Start the motor and operate the vehicle normally.
START VIOLATION	<p>If a breath test is not taken, but the vehicle is started (hot wired or push started), a Program Violation is recorded.</p> <p>The display will indicate START VIOLATION for 10 seconds while a tone sounds. The display will then indicate Retest, and the unit will begin a Retest sequence.</p>	Take the breath test as requested and notify the Service Centre immediately.
Try Again	Improper test condition	Ensure mobile phones are off and attempt test again. Call the Interlock Service Provider if the problem persists.
Turn Key Off	Ignition has been turned on before a successful breath test.	Turn the ignition off until you pass a breath test and see the Start Motor message.
Wait	The interlock is in Power On mode and/or preparing to enter a Ready state.	Wait for Ready for Test or another message.

