

# WR3 IGNITION INTERLOCK

## OPERATING GUIDE

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ALCOHOL  
COUNTERMEASURE  
SYSTEMS

## OPERATING INSTRUCTIONS

1. Press the right push button on Handset to power on the Interlock unit. Do not attempt a test until the unit has completed the power up cycle. This may take up to three (3) minutes in cold weather.  
  
Do not turn on the ignition (key); otherwise the display will indicate "Key Off". If the Key Off message stays on for 13 minutes, it will trigger an early recall. The service reminder will be reset to 5 days, and the display will indicate "Immediate Service" along with the date of the violation. This message means that the interlock will need to be reset by the Service Provider within 5 days after this date; otherwise the device will enter a Permanent Lock Out condition.
2. Wait until display indicates Ready for Test before attempting a breath test. Make sure you have not had anything to eat or drink for at least 5 minutes and that you have not consumed an alcoholic beverage or rinsed with mouthwash for at least 15 minutes before a test.
3. Blow and hum simultaneously into the mouthpiece with sufficient and constant pressure to cause a tone to sound and the display to indicate "Continue Blowing". Continue blowing and humming simultaneously for 5 seconds until the tone stops and a "beep" sounds. The display will indicate "wait....".
4. A Pass or Fail LED will illuminate within 10 seconds after completion of the breath test. During this time, do not turn on the ignition (key) since this will abort the test.  
  
A Pass LED will also be accompanied by a "Start Motor" message on the display. At this time, the driver may start the vehicle by switching on the ignition in the normal fashion. Turning the key on without starting the vehicle for 3 minutes will cause an early recall. A PASS BAC is between 0 and 0.19 g/l.  
  
A Fail LED will be accompanied by a "LockOut" message on the display. In this case the vehicle can not be started. The driver will also be prevented from attempting another test for 5 minutes. In the event of a second Fail BAC test, the Lock Out period will be 15 minutes. A FAIL BAC is 0.2 g/l and above (the legal limit is 0.5 g/l).

5. Successive retests will be required at random times as long as the vehicle's motor is running. The display will indicate "Retest" and a double beep tone will sound. The first retest will occur within 15 minutes after starting the vehicle. Subsequent retests will occur at intervals ranging from 15 to 45 minutes. The technique involved in taking a retest is the same as with a test prior to starting the vehicle: that is, hum & blow simultaneously for (5) seconds until the tone ends and a Beep sounds. The display will indicate "wait....". The BAC result will be an LED indication only, with a tone sound.

NOTE: Whenever a retest request occurs you will be required to find a place where you can safely and legally stop your vehicle in order to take the test. Once the test has been successfully completed, you may then continue on your way.

If a Fail BAC result occurs, the display will indicate "PullOver" and a tone will sound to indicate that the driver has three minutes to safely park the vehicle out of the way of traffic and shut off the motor. After shutting off the motor the driver must press the Right button on the Handset. At this time, the Interlock device will enter a Lock Out condition and the vehicle will be immobilized for 5 minutes. If a second Fail BAC result follows, the Lock Out period will be 15 minutes.

Note that 5 Fail BAC results on a retest is considered a Program Violation and will trigger an immediate recall. The service reminder will be reset to 5 days, and the display will indicate "Immediate Service" along with the date of the violation. This message means that the interlock will need to be reset by the Service Provider within 5 days after this date; otherwise the device will enter a Permanent Lock Out condition.

6. If a retest is not taken and passed within 10 minutes of the initial indication, the Interlock will enter a Missed Retest condition. "Missed Retest" will be displayed, and a tone will sound.

If the test is not passed within 3 more minutes, or the motor is not shut off and the right push button pressed, an Extended Missed Retest will be recorded. An Extended Missed retest is considered a Program Violation and will trigger an immediate recall. The service reminder will be reset to 5 days, and the display will indicate "Immediate Service" along with the date of the violation. This message means that the interlock will need to be reset by the Service Provider within 5 days after this date; otherwise the device will enter a Permanent Lock Out condition.

7. 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 5 days, and the display will indicate "Immediate Service" along with the date of the violation. This message means that the interlock will need to be reset by the Service Provider within 5 days after this date; otherwise the device will enter a Permanent Lock Out condition.

8. Starting 7 days before the scheduled service date, the display will indicate "Service" and the date and time that the vehicle is required for routine service. This will appear every time the interlock device is powered up as well as for 5 minutes after the motor is shut off. If the vehicle is not brought in on the Service date, the display will indicate "Missed Service" and the missed appointment date. Five days after the due date for service, the Interlock device will enter a Permanent Lock Out condition, and the vehicle will be immobilized. The vehicle will then have to be towed into the Interlock Service Centre at the participant's own expense. Note also that failure to return to the Service Centre for inspection of the interlock device and downloading of data as required is considered a Program Violation.
  9. When the vehicle is switched off, there is a 5 minute period during which the motor may be restarted without a breath test. Note however that if a retest request has been initiated, the retest should be completed before the vehicle is switched off
10. During cold weather, the Handset can be disconnected and taken indoors if the motor will be off for more than 2 hours. The round mouthpiece should also be removed. Participants who follow this procedure will find the initial power on warm up time significantly reduced since the Handset will already be at room temperature.
  11. Disconnecting the vehicle's battery for more than 15 minutes (or 3 "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 7 days, and the display will indicate "Early Service" along with the date of the violation. This message means that the interlock will need to be reset by the Service Provider within 7 days (plus a 5 day grace period) after this date; otherwise the device will enter a Permanent Lock Out condition.

Note: Battery "boosting" is permitted. However, should it become necessary to disconnect the battery for more than 15 minutes, participants should first contact the Interlock Service Provider.

Two Hours after the vehicle is switched off, the interlock unit will automatically power off. Alternatively, the driver can manually power off the Interlock unit by switching off the ignition, waiting 6 seconds then holding the right push button for 6 seconds. Note: The power lamp will turn off once the device enters a Power Off condition. Disconnecting the Handset will also cause the interlock to power off after 3 minutes.

## WR3 IGNITION INTERLOCK EVENTS & CONDITIONS

DISPLAY MESSAGE	DESCRIPTION	ACTION
No Display	The interlock unit is in a Power Off state.	Press right push button on Handset.
Wait...	The interlock unit is Power Up mode and/or preparing to enter a Ready state.	Wait for Ready for Test or other message.
WAIT....	When the Handset is plugged in the communication between the Vehicle Interface Module and Handset is re-established.	Wait for Ready for Test or other message.
KEY OFF	Ignition Key is turned on before a breath test is taken.	Turn Ignition Key off until the breath test is completed and Start Motor message appears.
KEY OFF then KEY FAULT then Test / Required	If the breath test is not taken and the Ignition On signal is detected for 3 minutes and Key Fault is displayed. If the Key is not turned off within 3 minutes a KEY FAULT will be logged.	Ensure the Ignition Key is Off.
START VIOLATION then Test / Required	If a breath test is not taken but the vehicle is started (hot wire or push start) a Program Violation is recorded. The display will indicate START VIOLATION for 30 seconds while a speaker tone sounds. The display will then indicate Test Required, and the unit will initiate a Retest sequence.	Take the breath test as requested.
ALCOLOCK	After a breath test is taken and a Pass result is obtained, the vehicle may be started. A retest timer is activated.	Operate the vehicle normally and take the breath test as requested.
Restart Available	After the Ignition Key is switched off, a 5 minute Stall Protect timer begins. During this time, the vehicle may be started without a breath test.	Option to start motor.

DISPLAY MESSAGE	DESCRIPTION	ACTION
Start Motor	Following a successful breath test signaled by a PASS result on the LED , the display indicates that the vehicle may be started. NOTE: Turning the ignition on for 3 minutes without starting the vehicle will cause an Ignition Fault to be logged. Depending on the circumstances, this may be considered a Program Violation.	Start the motor and operate vehicle normally.
Retest	A double beep tone sounds on the speaker and the display indicates the Retest message. The driver has 10 minutes to safely pull over and complete a breath test. For 7 minutes the tone will be steady. For the final 3 minutes the tone will have a more urgent sound.	Take the retest as required.
Test Required	Upon detection of a Start Violation condition, a test request is initiated. Test Required appears on the display, accompanied by the same double beep tone that signals a retest.	Take breath test as required.
Missed Retest	Occurs when a retest is not properly completed within the 10 minute time allowed. A tone continues to sound until the driver completes the test or shuts off the motor.	Complete the breath test as required or switch off the ignition key and press the right push button on the Handset after "Hold button to Cancel Restart" is displayed.
Pullover Turn off Motor	Occurs when a Fail BAC result is recorded on a retest. The driver has six minutes to park and shut off the motor before an immediate recall is initiated.	Safely park the vehicle, wait 6 seconds for the "Hold button to Cancel Restart" message to appear, then press the right push button on the Handset to engage the Lock Out.
"Hold button to Cancel Restart"	Occurs 6 seconds after the ignition switch has been turned off following a Missed Retest or a Failed BAC retest. A Breath Test cannot be taken until the button has been pressed and "READY" message is displayed.	Switch ignition switch off, wait 6 seconds then press the right pushbutton. Take a breath test after the "READY for Test" message is displayed.

DISPLAY MESSAGE	DESCRIPTION	ACTION
Lock Out 5 Minutes	A completed breath test resulting in a Fail BAC reading will be indicated by the Fail LED light accompanied by a distinctive tone. A Lock Out message will then be displayed, indicating that the device will not accept another breath test for the period of time shown.	Wait until the end of the Lock Out period--or longer if alcohol has been consumed--before attempting another breath test.
Lock Out 15 Minutes	A completed breath test resulting in a second or subsequent consecutive Fail BAC reading will be indicated by the Fail LED light accompanied by a distinctive tone. A Lock Out message will then be displayed, indicating that the device will not accept another breath test for the period of time shown.	Wait until the end of the Lock Out period--or longer if alcohol has been consumed--before attempting another breath test.
PERMANENT LOCK OUT	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. The vehicle may have to be towed to the Service Centre.
Ready for Test	The device is ready for a breath test.	Breath test may be attempted.
Service Date	Reminder of appointment for scheduled service, noting the date and time of the appointment. Starting seven (7) days prior to a scheduled service date, this message is displayed whenever the interlock device is powered on or the motor is shut off.	n/a

DISPLAY MESSAGE	DESCRIPTION	ACTION
Immediate / Service 1?	Immediate Service Reminder for 5 days with display message, initiated because of an Extended Missed Retest. The date shown is the date of the detected violation.	Call the Interlock Service Provider.
Immediate / Service ??	Early Service Reminder for 5 days with display message, initiated because of 5 Fail BAC results on a retest. The date shown is the date of the detected violation.	Call the Interlock Service Provider.
Immediate / Service 2	Early Service Reminder for 5 days with display message only, initiated because of a PullOver Failed Alcohol retest of more than 6 minutes. The date shown is the date of the detected violation.	Call the Interlock Service Provider.
Early / Service 14	Service Reminder for 7 days with display message, initiated because Power Disconnects. The date shown is the day of the detected violation.	Call the Interlock Service Provider.
Immediate/ Service 15	Service Reminder for 5 days with display message, initiated by a Start Violation. The date shown is the day of the detected violation.	Call the Interlock Service Provider.
Missed Service / Date	If the interlock is not serviced by the appointment Due Date, the device will display a Missed Service message, followed by the date of the missed appointment, for the next 5 days (the Grace Period). If the interlock device still hasn't been serviced by the end of the Grace Period, it will enter a Permanent Lock Out condition.	Call the Interlock Service Provider and schedule a new appointment date no later than 5 days after the Due Date.



DISPLAY MESSAGE	DESCRIPTION	ACTION
Low Batt	Battery voltage (Vcar) below 10.4 volts indicating possible battery or charging problem.	Have vehicle checked by a mechanic.
Hi Batt	Battery voltage (Vcar) above 16.0 volts indicating possible charging problem.	Have vehicle checked by a mechanic.
Relay / Fault	Problem with Vehicle Interface Module.	Call the Interlock Service Provider.
Blow Longer and Harder	Blowing pressure below minimum threshold at some point during the 5 second breath sample time period.	Blow Harder during test. Ensure mobile phone is off.
Blow Softer	Blowing pressure above maximum threshold at some point during the 5 second breath sample time period.	Blow Softer during test. Ensure mobile phone is off.
Hum Louder	Hum tone not detected at some point during the breath sample time period.	Hum while blowing during the entire test.
BATTERY / FAULT	Battery voltage (Vcar) is below 8 volts, too low to start vehicle.	Connect vehicle battery to a charger or get a boost (boosting vehicle with more than 18 volts may damage the interlock unit).
ABORT 10	Problem with Handset unit.	Call the Interlock Service Provider.
ABORT 20	Problem with Handset unit.	Call the Interlock Service Provider.
ABORT 30	Problem with Handset unit.	Call the Interlock Service Provider.

DISPLAY MESSAGE	DESCRIPTION	ACTION
ABORT 40	Possible problem with Handset unit. (one abort 40 per 100 tests is considered normal)	Attempt test again. Call the Interlock Service Provider if this message appears frequently.
ABORT 45	Possible problem with Handset unit. (one abort 45 per 100 tests is considered normal)	Attempt test again. Call the Interlock Service Provider if this message appears frequently.
ABORT 50	Possible problem with Handset unit. (one abort 50 per 100 tests is considered normal)	Attempt test again. Call the Interlock Service Provider if this message appears frequently.
ABORT 55	Possible problem with Handset unit. (one abort 55 per 100 tests is considered normal)	Attempt test again. Call the Interlock Service Provider if this message appears frequently.
TryAgain	Improper test condition	Ensure mobile phone is off and attempt test again. Call the Interlock Service Provider if the problem persists.
Early / Service 15	Improper test condition	Ensure mobile phone is off and attempt test again. Call the Interlock Service Provider if the problem persists.



## This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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