IGNITION INTERLOCK WR3

Handset Procedures Manual

ALCOHOL COUNTERMEASURE SYSTEMS


ACS
ALCOHOL COUNTERMEASURE SYSTEMS

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1.0 Install Handset Procedure

What is it?

It is a procedure performed on a handset that couples the handset and Interface Module together in a vehicle.

When is it Performed?

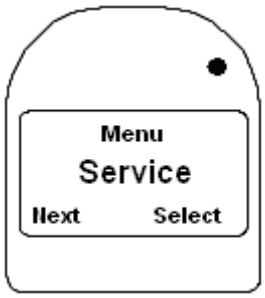
A Handset Install Procedure is performed when the WR3 wiring assembly harness has been fitted in a vehicle and a handset and Interface module must now be connected to check the installed system. The handset procedure must be performed prior to the Intertrack web based management software transaction.

How is it Performed?

Step 1:

Ensure that the Interface module is powered on and the Handset is connected to the Interface Module. The Handset should display “HS Not Activated”.

Press and hold the left button. Press the left button until “Service” is displayed:



Press the right button. “SERVICE CODE” and “0000 Ok?” will be displayed:

The service code must now be entered. The service code changes daily, and is different for offender, private and commercial clients. The service code of the day can be found in the InterTrack web based management software. Enter the code by pressing the right button until the correct numerical value for the first number is correct. Press the left button to cursor to the next number. Once all 4 numbers are correct press the left button until the cursor is under the “Ok?”. Press the right button to accept the entry. “Diagnostic” will now be displayed:

Press the left button. “Install” will be displayed. Press the right button. The screen will momentarily display “Install wait”. Followed by “HANDSET” “LED & Speaker”:

The LED at the top right of the display should be stepping from red to green to amber. The handset speaker should also be emitting 3 different tones. If one of these features are not working correctly, exchange the Handset. If the Handset is operating correctly, go to step 2.

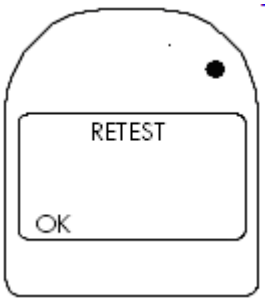
Step 2: Press “OK?”. The display will indicate “Control unit” “LED & Speaker”:

The LED at the coiled cable connector should be stepping from red to green to amber. The Interface Module speaker should also be emitting different tones. If one of these features are not working correctly exchange the Interface module. If the Interface Module is operating correctly go to step 3.

Step 3: Press ”OK?”. The display will indicate “VEHICLE” “Alarm”:

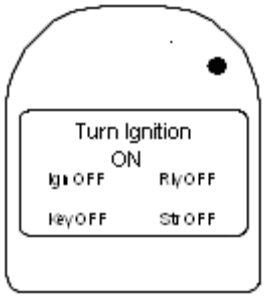
The Interface module will be turning the alarm relay on and off. The alarm horn should be sounding on and off. If the alarm horn is not working correctly inspect the alarm horn or the wiring. If the alarm horn and wiring are ok, exchange the Interface module. If the Interface Module is operating correctly go to step 4.

Step 4: Press ”OK”. The display will indicate “RETEST” Alarm.



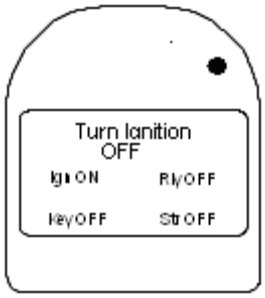
The Interface Module will be turning the retest flasher relay on and off. If equipped, the retest flasher in the vehicle should be turning on and off. If the retest flasher is not working correctly, inspect the retest flasher and wiring. If the retest flasher and wiring are OK, exchange the Interface Module. If everything works correctly, go to step **??**

Step 5: Press ”OK?”. The display should indicate “Turn Ignition ON” and:



If the display does not indicate the above condition check the position of the ignition switch or check the wiring . If the display indicates the above condition than go to step 5.

Step 6: Turn the ignition key to the on position. The display should indicate “Turn Ignition” “OFF” and:

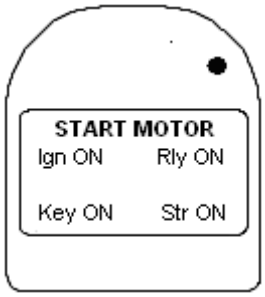


If the display does not indicate the above condition check the position of the ignition switch or check the wiring . If the display indicates the above condition than go to step 6.

Step 7: Turn the ignition key to the off position. The display should indicate “Turn Ignition” “ON” and:

If the display does not indicate the above condition check the position of the ignition switch or check the wiring . If the display indicates the above condition than go to step **7**.

Step 8. Turn the ignition switch to the cranking position and start the vehicle motor. The display should indicate “Start Motor” and:



If the motor does not crank then check the wiring. If the engine cranks and starts than the display should indicate “TACH” and:

If the tachometer value for all the above conditions are 00000, than check the tachometer wiring or the tachometer connection point.

Step 9: Press the right button “SET TACH”. The current motor rpm will be set as the idling reference.

Step 10: Press the right button. The display should indicate “ACCELERATE” and:

Press the accelerator pedal for several seconds. The WR3 will automatically set the Running point and go to the next screen.

If OBD is used, there will be an OBD/TACH and OBD/SPEED option.

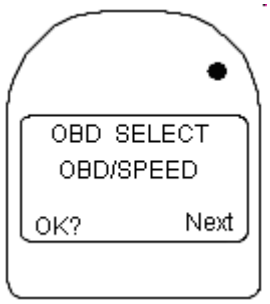
To use OBD/TACH, press the button marked Next until OBD/TACH is displayed on the screen. Press OK and TACH will be displayed on the screen.

If the tachometer value for all the above conditions are 00000, then check the tachometer wiring or the tachometer connection point.

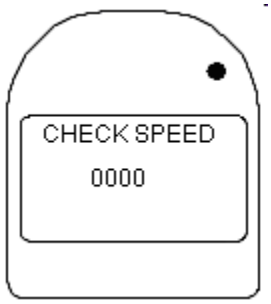
Step 11: Press the right button “SET TACH”. The current motor RPM will be set as idling reference.

Step 12: Press the right button. The display should indicate “ACCELARATE” and:

Press the accelerator pedal for several seconds. The WR3 will automatically set the Running point and go to the next screen.



To use OBD/SPEED (for Hybrid vehicles), press the button marked Next until OBD/SPEED is displayed on the screen. Press OK and CHECK SPEED 0000 will be displayed on the screen.

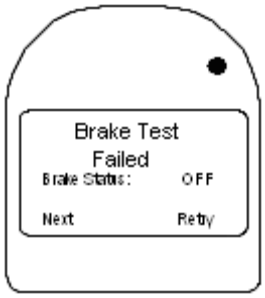


If WR3-OBD:NO COMM is displayed on the screen, inspect the OBD box and wiring. If OBD box and wiring is working correctly, exchange the interface module.

The vehicle must be driven for a few feet to verify speed. Once speed is verified, “BRAKE TEST” will be displayed on the screen.

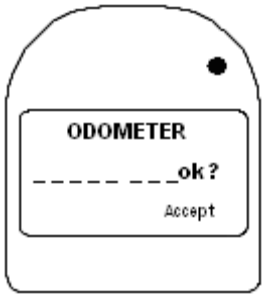
NOTE: It is imperative that the yellow brake wire from WR3 cable be connected ot the vehicle’s brake wire in order for OBD feature to work properly.

Step 13: The display should indicate “Brake Test Failed” “Brake Status: OFF”.



Press on the Brake or press the left button to continue. “Turn Motor Off” is displayed. Turn the motor off.

Step 14: The display should indicate “Odometer”:



Enter the vehicle mileage from the odometer. Once the mileage is entered correctly press the left button until “Accept” is displayed at the bottom right hand corner of the display. Press the right button. The display will now display “Turn Motor Off”. Turn the Motor Off.

“Install Complete” “Connect to PC” is now displayed. Remove the handset from the vehicle and connect the handset to the calibration station. A calibration procedure must be completed prior to proceeding with an Install Transaction. A brief Calibration Procedure is detailed in 10.0. For a detailed calibration procedure please refer to the Calibration station manual. After calibration an Install transaction must be completed using InterTrack Enterprise web based management software. A brief Install transaction is detailed in 11.0. For a detailed Install Transaction procedure please refer to the InterTrack Enterprise manual.

2.0 Monitor Handset Procedure

What is it?

A monitor procedure transfers the log from the Interface Module to the handset so that the information contained within the log may be transferred to the PC. Also, it verifies that the handset and Interface Module are working correctly.

When is it performed?

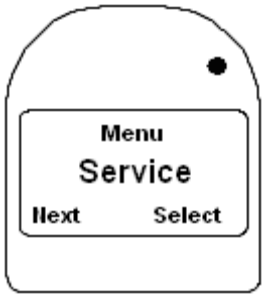
A monitor procedure is performed at every clients' service appointment. A handset monitor procedure must first be completed prior to the Intertrack web based management software monitor procedure.

How is it Performed?

Step 1:

Ensure that the Interface module is powered on and the Handset is connected to the Interface Module.

Press and hold the left button. Press the left button until "Service" is displayed:



Press the right button. "SERVICE CODE" and "0000 Ok?" will be displayed:

The service code must now be entered. The service code changes daily, and is different for offender, private and commercial clients. The service code of the day can be found in the InterTrack web based management software. Enter the code by pressing the right button until the correct numerical value for the first number is correct. Press the left button to cursor to the next number. Once all 4 numbers are correct press the left button until the cursor is under the "Ok?". Press the right button to accept the entry. "Diagnostic" will now be displayed:

Press the left button. “Install” will be displayed. Press the right button. The screen will momentarily display Install wait”. Followed by “HANDSET” “LED & Speaker

The LED at the top right of the display should be stepping from red to green to amber. The handset speaker should also be emitting 3 different tones. If one of these features are not working correctly, exchange the Handset. If the Handset is operating correctly, go to step 2.

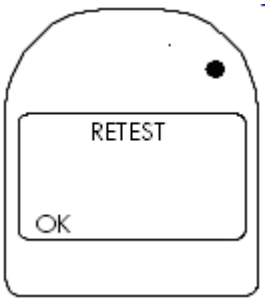
Step 2: Press “OK?”. The display will indicate “Control unit” “LED & Speaker”:

The LED at the coiled cable connector should be stepping from red to green to amber. The Interface Module speaker should also be emitting different tones. If one of these features are not working correctly exchange the Interface module. If the Interface Module is operating correctly go to step 3.

Step 3: Press ”OK?”. The display will indicate “VEHICLE” “Alarm”:

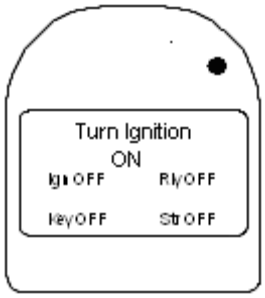
The Interface module will be turning the alarm relay on and off. The alarm horn should be sounding on and off. If the alarm horn is not working correctly inspect the alarm horn or the wiring. If the alarm horn and wiring are ok, exchange the Interface module. If the Interface Module is operating correctly go to step 4.

Step 4: Press ”OK”. The display will indicate “RETEST” Alarm.



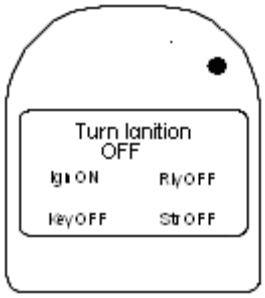
The Interface Module will be turning the retest flasher relay on and off. If equipped, the retest flasher in the vehicle should be turning on and off. If the retest flasher is not working correctly, inspect the retest flasher and wiring. If the retest flasher and wiring are OK, exchange the Interface Module. If everything works correctly, go to step **??**

Step 5: Press ”OK?”. The display should indicate “Turn Ignition ON” and:



If the display does not indicate the above condition check the position of the ignition switch or check the wiring . If the display indicates the above condition than go to step 5.

Step 6: Turn the ignition key to the on position. The display should indicate “Turn Ignition” “OFF” and:

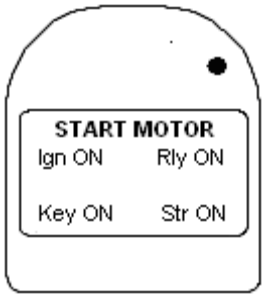


If the display does not indicate the above condition check the position of the ignition switch or check the wiring . If the display indicates the above condition than go to step 6.

Step 7: Turn the ignition key to the off position. The display should indicate “Turn Ignition” “ON” and:

If the display does not indicate the above condition check the position of the ignition switch or check the wiring . If the display indicates the above condition than go to step 7.

Step 8. Turn the ignition switch to the cranking position and start the vehicle motor. The display should indicate “Start Motor” and:



If the motor does not crank then check the wiring. If the engine cranks and starts than the display should indicate “TACH” and:

If the tachometer value for all the above conditions are 00000, than check the tachometer wiring or the tachometer connection point.

Step 9: Press the right button “SET TACH”. The current motor rpm will be set as the idling reference.

Step 10: Press the right button. The display should indicate “ACCELERATE” and:

Press the accelerator pedal for several seconds. The WR3 will automatically set the Running point and go to the next screen.

If OBD is used, there will be an OBD/TACH and OBD/SPEED option.

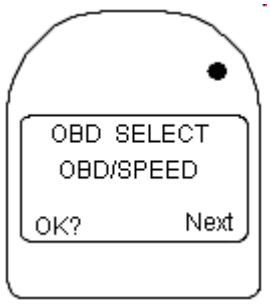
To use OBD/TACH, press the button marked Next until OBD/TACH is displayed on the screen. Press OK and TACH will be displayed on the screen.

If the tachometer value for all the above conditions are 00000, then check the tachometer wiring or the tachometer connection point.

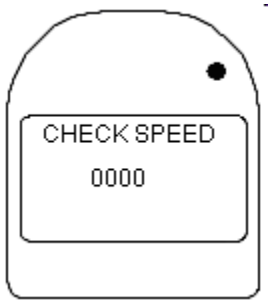
Step 11: Press the right button “SET TACH”. The current motor RPM will be set as idling reference.

Step 12: Press the right button. The display should indicate “ACCELARATE” and:

Press the accelerator pedal for several seconds. The WR3 will automatically set the Running point and go to the next screen.



To use OBD/SPEED (for Hybrid vehicles), press the button marked Next until OBD/SPEED is displayed on the screen. Press OK and CHECK SPEED 0000 will be displayed on the screen.

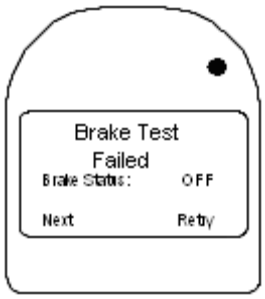


If WR3-OBD:NO COMM is displayed on the screen, inspect the OBD box and wiring. If OBD box and wiring is working correctly, exchange the interface module.

The vehicle must be driven for a few feet to verify speed. Once speed is verified, “BRAKE TEST” will be displayed on the screen.

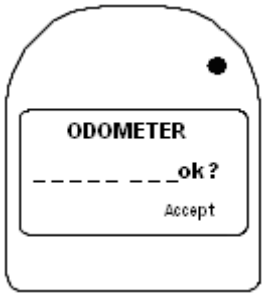
NOTE: It is imperative that the yellow brake wire from WR3 cable be connected ot the vehicle’s brake wire in order for OBD feature to work properly.

Step 13: The display should indicate “Brake Test Failed” “Brake Status: OFF”.



Press on the Brake or press the left button to continue. “Turn Motor Off” is displayed. Turn the motor off.

Step 14: The display should indicate “Odometer”:



Enter the vehicle mileage from the odometer. Once the mileage is entered correctly press the left button until “Accept” is displayed at the bottom right hand corner of the display. Press the right button. The display will now display “Turn Motor Off”. Turn the Motor Off.

The display will now display “Monitor Complete” “Connect to PC”. Remove the handset from the vehicle and connect the handset to the calibration station. A calibration procedure must be completed prior to proceeding with a Monitor Transaction. A brief Calibration Procedure is detailed in 10.0. For a detailed calibration procedure please refer to the Calibration station manual. After calibration a monitor transaction must be completed using InterTrack Enterprise web based management software. A brief Monitor procedure is detailed in 12.0. For a detailed Monitor Transaction procedure please refer to the InterTrack Enterprise manual.

3.0 De-Install Handset Procedure

What is it?

A De-Install Procedure is a procedure for removing a Handset and Interface module from a vehicle.

When is it performed?

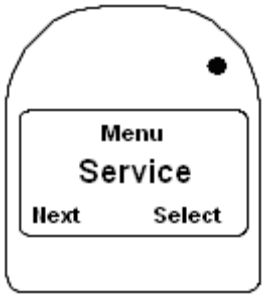
A De-Install Procedure is performed for an End of Program (EOP) or Change of Vehicle. A De-Install Handset Procedure must be performed prior to communicating with the InterTrack web based management software.

How is it Performed?

Step 1:

Ensure that the Interface module is powered on and the Handset is connected to the Interface Module.

Press and hold the left button. Press the left button until “Service” is displayed:



Press the right button. “SERVICE CODE” and “0000 Ok?” will be displayed:

The service code must now be entered. The service code changes daily, and is different for offender, private and commercial clients. The service code of the day can be found in the InterTrack web based management software. Enter the code by pressing the right button until the correct numerical value for the first number is correct. Press the left button to cursor to the next number. Once all 4 numbers are correct press the left button until the cursor is under the “Ok?”. Press the right button to accept the entry. “Diagnostic” will now be displayed:

Press the left button until “De-Install” is displayed. Press the right button. The screen will momentarily display “De-Install wait”. Followed by “HANDSET” “LED & Speaker”:

The LED at the top right of the display should be stepping from red to green to amber. The handset speaker should also be emitting 3 different tones. If one of these features are not working correctly, exchange the Handset. If the Handset is operating correctly, go to step 2.

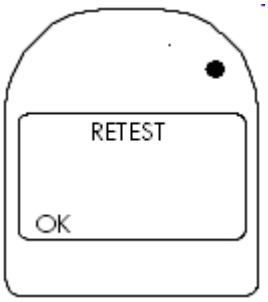
Step 2: Press “OK?”. The display will indicate “Control unit” “LED & Speaker”:

The LED at the coiled cable connector should be stepping from red to green to amber. The Interface Module speaker should also be emitting different tones. If one of these features are not working correctly exchange the Interface module. If the Interface Module is operating correctly go to step 3.

Step 3: Press ”OK?”. The display will indicate “VEHICLE” “Alarm”:

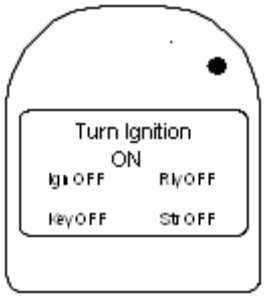
The Interface module will be turning the alarm relay on and off. The alarm horn should be sounding on and off. If the alarm horn is not working correctly inspect the alarm horn or the wiring. If the alarm horn and wiring are ok, exchange the Interface module. If the Interface Module is operating correctly go to step 4.

Step 4: Press ”OK”. The display will indicate “RETEST” Alarm.



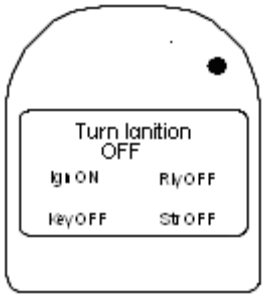
The Interface Module will be turning the retest flasher relay on and off. If equipped, the retest flasher in the vehicle should be turning on and off. If the retest flasher is not working correctly, inspect the retest flasher and wiring. If the retest flasher and wiring are OK, exchange the Interface Module. If everything works correctly, go to step **??**

Step 5: Press ”OK?”. The display should indicate “Turn Ignition ON” and:



If the display does not indicate the above condition check the position of the ignition switch or check the wiring . If the display indicates the above condition than go to step 5.

Step 6: Turn the ignition key to the on position. The display should indicate “Turn Ignition” “OFF” and:

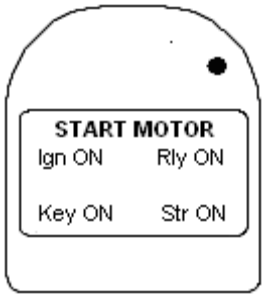


If the display does not indicate the above condition check the position of the ignition switch or check the wiring . If the display indicates the above condition than go to step 6.

Step 7: Turn the ignition key to the off position. The display should indicate “Turn Ignition” “ON” and:

If the display does not indicate the above condition check the position of the ignition switch or check the wiring . If the display indicates the above condition than go to step 7.

Step 8. Turn the ignition switch to the cranking position and start the vehicle motor. The display should indicate “Start Motor” and:



If the motor does not crank then check the wiring. If the engine cranks and starts than the display should indicate “TACH” and:

If the tachometer value for all the above conditions are 00000, than check the tachometer wiring or the tachometer connection point.

Step 9: Press the right button “SET TACH”. The current motor rpm will be set as the idling reference.

Step 10: Press the right button. The display should indicate “ACCELERATE” and:

Press the accelerator pedal for several seconds. The WR3 will automatically set the Running point and go to the next screen.

If OBD is used, there will be an OBD/TACH and OBD/SPEED option.

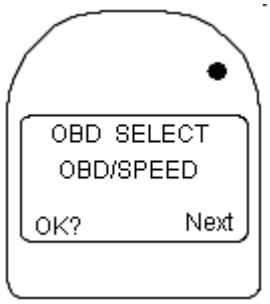
To use OBD/TACH, press the button marked Next until OBD/TACH is displayed on the screen. Press OK and TACH will be displayed on the screen.

If the tachometer value for all the above conditions are 00000, then check the tachometer wiring or the tachometer connection point.

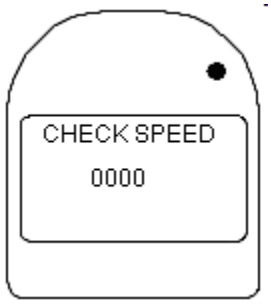
Step 11: Press the right button “SET TACH”. The current motor RPM will be set as idling reference.

Step 12: Press the right button. The display should indicate “ACCELARATE” and:

Press the accelerator pedal for several seconds. The WR3 will automatically set the Running point and go to the next screen.



To use OBD/SPEED (for Hybrid vehicles), press the button marked Next until OBD/SPEED is displayed on the screen. Press OK and CHECK SPEED 0000 will be displayed on the screen.

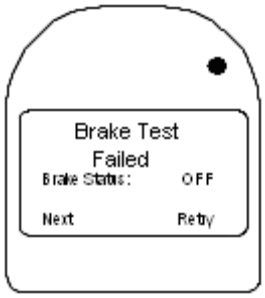


If WR3-OBD:NO COMM is displayed on the screen, inspect the OBD box and wiring. If OBD box and wiring is working correctly, exchange the interface module.

The vehicle must be driven for a few feet to verify speed. Once speed is verified, “BRAKE TEST” will be displayed on the screen.

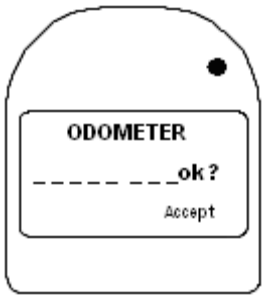
NOTE: It is imperative that the yellow brake wire from WR3 cable be connected ot the vehicle’s brake wire in order for OBD feature to work properly.

Step 13: The display should indicate “Brake Test Failed” “Brake Status: OFF”.



Press on the Brake or press the left button to continue. “Turn Motor Off” is displayed. Turn the motor off.

Step 14: The display should indicate “Odometer”:



Enter the vehicle mileage from the odometer. Once the mileage is entered correctly press the left button until “Accept” is displayed at the bottom right hand corner of the display. Press the right button. The display will now display “Turn Motor Off”. Turn the Motor Off.

Press the right button. The display will now display “De-Install Complete” “Connect to PC”. Remove the handset from the vehicle and connect the handset to the calibration station. An EOP, De-install or Temporary removal transaction must be completed using InterTrack Enterprise web based management software. A brief EOP transaction is detailed in 13.0. For a detailed EOP transaction procedure please refer to the Intertrack Enterprise manual.

4.0 Maintenance Handset Procedure

What is it?

A Maintenance Handset Procedure is a procedure for changing out a defective Interface Module.

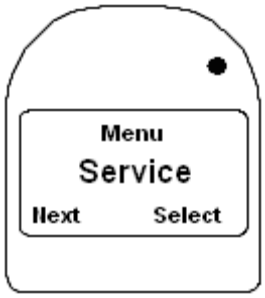
When is it Performed?

The procedure is performed before doing InterTrack transactions Temporary Removal, Interlock Exchange or Interlock Maintenance.

The Maintenance Handset Procedure must be completed while the Handset is connected to the Interface module inside the vehicle and prior to communicating with the InterTrack web based management software.

How is it Performed?

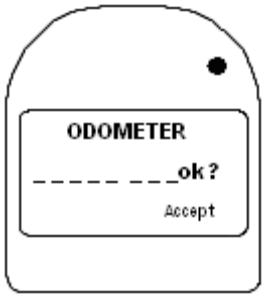
Step1: Press and hold the left button. Press the left button until “Service” is displayed:



Press the right button. “SERVICE CODE” and “0000 Ok?” will be displayed:

The service code must now be entered. The service code changes daily, and is different for offender, private and commercial clients. The service code of the day can be found in the InterTrack web based management software. Enter the code by pressing the right button until the correct numerical value for the first number is correct. Press the left button to cursor to the next number. Once all 4 numbers are correct press the left button until the cursor is under the “Ok?”. Press the right button to accept the entry. “Diagnostic” will now be displayed.

Step 2: Press the left button until “Maintenance” is displayed. Press the right button. The screen will momentarily display “Maintenance wait”. Followed by “Odometer” and the last odometer value entered during the last service:

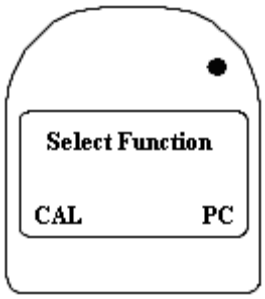


Enter the new vehicle mileage from the odometer. Once the mileage is entered correctly press the left button until “Accept” is displayed at the bottom right hand corner of the display. Press the right button. The display will now show “Maintenance Complete” “Connect to PC”. Remove the handset from the vehicle and connect the handset to the Calibration Station. A calibration procedure must be completed prior to proceeding with a De-Install Transaction. A brief Calibration Procedure is detailed in 10.0. For a detailed calibration procedure please refer to the Calibration station manual. After Calibration, an EOP, De-install or Temporary removal transaction must be completed using InterTrack Enterprise web based management software. A brief EOP procedure is detailed in 13.0. For a detailed Monitor Transaction procedure please refer to the InterTrack Enterprise manual.

Step 3: The Interface module can now be removed from the vehicle and a replacement Interface module can be installed. Once this is complete an Install procedure must be completed with the existing Handset and the new Interface Module. Please refer to 6.0 “Install procedure” to complete the exchange of equipment.

5.0 Calibration Procedure

Step 1 Connect the handset to the Calibration Station. Once the Handset is connected, the Handset will display:



Step 2 Press the left button to enter the Calibration Procedure, the Handset will display:

The current date and time of the Handset will be displayed. The calibration station can set the Handset clock. For handsets connecting to InterTrack Enterprise the Handset clock will be set by the PC during the transaction process.

Step 3 Press the right button to enter the next state, the Handset will display:

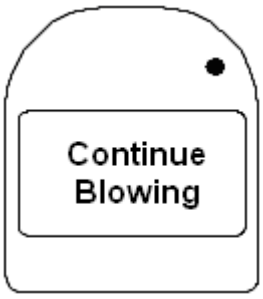
Currently, only one type of simulator option is available. Press the right button to enter the next state. The handset will display:

The handset is now ready for calibration.

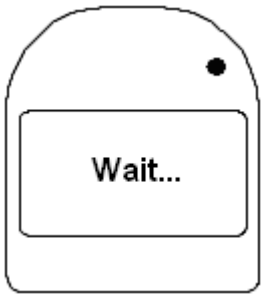
NOTE: A Calibration cannot commence unless the ToxiTest interface cable is connected and the alcohol solution is at the correct operating temperature.

The Handset is tested two to four times for compliance in the calibration BAC range and, in particular, the verification BAC range.

Step 4 Connect handset to the Calibration station. Connect the ToxiTest ganged spit trap to the air inlet of the Handset. Wait for the Handset to display “Ready”, a ready tone will sound intermittently. Press the right button on the Handset to commence testing, the Handset will display the following messages during testing:



AND



These steps will be repeated one to four times to complete the Calibration / Verification test. After the Handset is calibrated the Handset will display either:

OR

On completion of successful testing, the Handset can be used for up to 67 days. All calibrations completed on the Calibration Station are retained in the memory of the Handset for uploading during InterTrack Enterprise transaction procedures. If an error condition occurs please refer to the WR3 Auto Calibration Station User Manual.

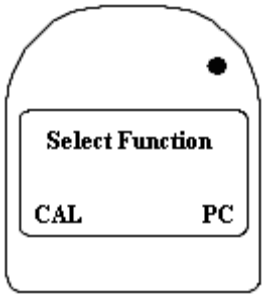
The Handset must be calibrated every time the customer comes in for service. This will ensure the proper accuracy of the WR3 as well as recording a calibration record for every service.

INTERTRACK ENTERPRISE TRANSACTIONS – BRIEF OVERVIEW

6.0 InterTrack Enterprise Install Transaction

This transaction is used the first time a client has equipment installed into their vehicle and the Install Procedure has been performed (See Section 6.0).

Connect the handset to the Calibration Station. Once the Handset is connected, the Handset will display:



Press the right button to enter the InterTrack Enterprise Transaction Procedure, the Handset will display: "PC Service"

Choose the client that is to be installed from the search client screen in InterTrack Enterprise. Click on the transaction icon. Select "Install" as the transaction type and press "Continue". Select the appropriate next service date. Press "Continue". Choose "Monitor" as the next service type and then press "Continue". InterTrack Enterprise will now display the event log summary. Press "Continue". InterTrack Enterprise will now set any new parameters and the next service date into the Handset. Once this is complete the handset will beep and the Display will indicate "Install OK".

Disconnect the handset from the Calibration Station and connect it to the clients Interface Module. Do not disconnect the Handset until the Install procedure has been completed. The Handset will display:

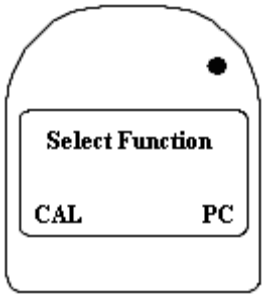
At this point, it is important to be certain that the handset is being activated into the correct vehicle. If in doubt, double check that the client name displayed is going into the vehicle owned by that client. Press the left button to Activate. “Activation in progress” will be displayed.

After all the parameters have been set the handset will emit a double beep tone that the activation was successful. After the handset warms up the display will indicate “Ready for Test”. Service is now complete.

7.0 InterTrack Enterprise Monitor Transaction

This transaction is used each time a client comes in for service after the Monitor Procedure has been completed in the vehicle.

Connect the handset to the Calibration Station. Once the Handset is connected, the Handset will display:



Press the right button to enter the InterTrack Enterprise Transaction Procedure, the Handset will display: "PC Service". Do not disconnect the Handset until the Monitor procedure has been completed.

Click on the "View Connected Vehicle" button from the search client screen in InterTrack Enterprise. Click on the "New Transaction" icon. Select "Monitor" as the transaction type and press "Conitnue". Select the appropriate next service date. Press "Continue". Choose "Monitor" as the next service type and enter other relevant fields on the screen and then press "Continue". InterTrack Enterprise will now download the event log since the last service. Once the event log data is downloaded an event log summary will be displayed. Press "Continue". InterTrack Enterprise will now set any new parameters and the next service date into the Handset. Once this is complete the handset will beep and the Display will indicate "Monitor OK". Do not disconnect the Handset until the Monitor procedure has been completed.

Disconnect the handset from the Calibration Station and connect it to the clients Interface Module. Do not disconnect the Handset until the Monitor procedure has been completed. The Handset will display:

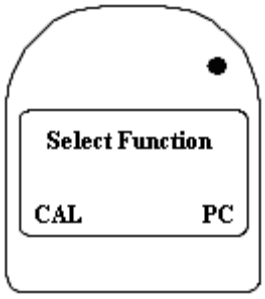
At this point, it is important to be certain that the handset is being activated into the correct vehicle. If in doubt, double check that the client name displayed is going into the vehicle owned by that client. Press the left button to Activate. “Activation in progress” will be displayed.

After all the parameters have been set the handset will emit a double beep tone that the activation was successful. After the handset warms up the display will indicate “Ready for Test”. The Monitor is now complete.

8.0 InterTrack Enterprise De-Install Transaction

This transaction is used any time a client has equipment removed from their vehicle if a successful procedure has been completed and after the De-Install procedure has been performed.

Connect the handset to the Calibration Station. Once the Handset is connected, the Handset will display:



Press the right button to enter the InterTrack Enterprise Transaction Procedure, the Handset will display: “PC Service”. Do not disconnect the Handset until the De-Install transaction has been completed.

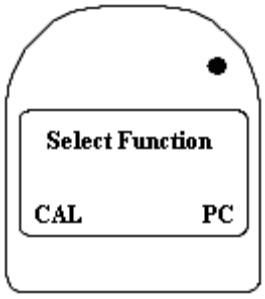
Click on the “View Connected Vehicle” button from the search client screen in InterTrack Enterprise. Click on the transaction icon. Select either “EOP” or “Temporary Disconnect” or “Temporary Removal” as the transaction type. Select today as the next service date. Press “Continue”. Choose “Monitor” as the next service type and then press “Continue”. InterTrack Enterprise will now download the event log since the last service. Once the event log data is downloaded an event log summary will be displayed. Press “Continue”. InterTrack Enterprise will now disable the Handset. Once this is complete the handset will beep and the Display will indicate “De-Install OK”.

Disconnect the handset from the Calibration Station. The Handset can now be used for another installation.

9.0 InterTrack Enterprise Maintenance Transaction

This transaction is used any time a client has equipment removed from their vehicle if a successful procedure cannot be completed and after the Maintenance Procedure has been performed.

Connect the handset to the Calibration Station. Once the Handset is connected, the Handset will display:



Press the right button to enter the InterTrack Enterprise Transaction Procedure, the Handset will display: “PC Service”.

Do not disconnect the Handset until the Interlock Maintenance transaction has been completed.

Click on the “View Connected Vehicle” button from the search client screen in InterTrack Enterprise. Click on the “New Transaction” icon. Select ”Interlock Maintenance” as the transaction type. Select today as the next service date. Press “Continue”. Choose “Monitor” as the next service type and then press “Continue”. InterTrack Enterprise will now download the event log since the last service. Once the event log data is downloaded an event log summary will be displayed. Press “Continue”. InterTrack Enterprise will now disable the Handset. Once this is complete the handset will beep and the Display will indicate “De-Install OK”.

Disconnect the handset from the Calibration Station. The Handset can now be returned to the manufacturer for inspection.

OTHER PROCEDURES

10.0 Interlock Exchange Procedure

What is it?

The Interlock Exchange Procedure is a series of steps to be performed on the Handset and InterTrack Enterprise for the exchange of a new Handset and a new Interface Module.

When is it Performed?

The Interlock Exchange Procedure is performed when it is deemed necessary to remove both the Handset and Interface Module because they are not working properly or it is directed from ACS to change them out for updated versions of the Handset and Interface Module.

How is it Performed?

Step 1:In the clients' vehicle, press and hold the left button. Scroll through the menu pressing the left button until 'Service' is displayed. Enter the daily Service Code and select 'Ok?'. Pressing the left button, scroll through the menu and choose 'Maintenance'.

Step 2: 'ODOMETER 00 000 000' will be displayed. Enter the odometer reading from the clients' vehicle on the Handset using the right button to select a number and the left button to move the cursor. Once the odometer value has been entered, press the left button and select 'Ok?' 'Maintenance Complete' 'Connect to PC' is displayed on the Handset.

Step 3: Once the 'Maintenance' procedure has been performed on the Handset, unplug the handset from the vehicle and plug it into a Calibration station.

Step 4: On the Handset, choose 'CAL' to perform a calibration. This will help to diagnose if there is a problem with the handset. If the handset is able to be calibrated, and the client is experiencing test errors ('Blow Longer and Hum Louder', 'Hum Louder', etc.) then the client should be re-trained on how to perform a test. If the Handset is unable to be calibrated, then there is a problem with the handset and the 'Interlock Exchange' Procedure may continue. If the Handset is being changed to update software, it is not necessary to perform a calibration.

Step 5: Plug the Handset into the download station and select 'PC' on the Handset.

Step 6: In InterTrack Enterprise, search for the client and choose 'New Transaction'.

Step 7: Select 'Interlock Maintenance' Finish the transaction on InterTrack until it is complete and 'De-Install OK' is displayed on the Handset.

Step 8: Remove the Interface Module from the vehicle and send it and the Handset back to ACS for repair.

Step 9: Plug a NEW Handset and Interface Module into the clients' vehicle. 'HS Not Activated' will be displayed.

Step 10: In the clients' vehicle, press and hold the left button. Scroll through the menu pressing the left button until 'Service' is displayed, press the right button. Enter the daily Service Code and select 'Ok?'. Pressing the left button, scroll through the menu and choose 'Install'. (Refer to Install Handset Procedure Section 6.0)

Step 11: Plug the Handset into a calibration station for calibration.(See Calibration Procedure 10.0)

Step 12: Plug the Handset into the Download station and select 'PC'. In InterTrack Enterprise, search for the client and select 'New Transaction' and 'Interlock Exchange' and continue.

Step 13: Continue through the InterTrack Enterprise procedure until complete. When the Handset displays 'Install OK', it may now be connected to the vehicle. A double beep should be heard.

Step 14: Once the new Handset is connected to the vehicle, it will read the client's name. Ensure that the vehicle belongs to this client. 'Press Left Button to Activate' Push the button and wait for the unit to say 'Wait' and 'Ready for Test'. The Interlock Exchange has been completed.

11.0 Handset Exchange Procedure

What is it?

The Handset Exchange Procedure is a list of steps and transactions to be performed on the Handset and InterTrack Enterprise.

When is it Performed?

The Handset Exchange Procedure is performed when a clients' handset is deemed to be malfunctioning or not operating correctly. If a client is away from the service center and is unable to drive in for an early service, a Handset Exchange Procedure can be performed at the service center before delivering the client a new handset. The faulty handset must be returned to the service center for downloading of the log before being returned for any repairs to ACS.

How is it Performed?

Step 1: Obtain a new Handset

Step 2: Connect the new Handset to a Calibration Station and perform a Calibration.

Step 3: After the calibration has been performed, connect the Handset to a Download Station, select 'PC' and open InterTrack and select the clients' name.

Step 4: In InterTrack, choose a 'New Transaction' for the client, select 'Handset Exchange'. Finish the transaction on InterTrack until it is complete. 'HS Exchange Ok' is displayed.

Step 5: Unplug the Handset from the Download Station and deliver the Handset to the client. This could mean delivering the Handset to the client or mailing it to them.

Step 6: Once the client has the new Handset, the client is to be instructed to: Remove the old Handset and plug in the new Handset. The new Handset screen will display the client's name and 'Activate'. Press the button. 'Activation in Progress' is displayed followed by 'Wait'.

Step 7: The old Handset must now be returned to the service center to retrieve the log from it. On the Calibration (of Download) Station, select PC on the Handset.

Step 8: In InterTrack, select the client's name and select 'New Transaction', choosing 'Handset Return'. Follow the instructions on InterTrack.

Step 9: Once the Handset Return has been performed or if it is not able to be completed for any reason, return the Handset to ACS. Indicate in the shipment the following information regarding the handset: Client's name and Serial # of the Handset.

12.0 Reset Code Procedure

What is it?

The Reset Code Procedure is a Handset procedure for Resetting the Lockout Date.

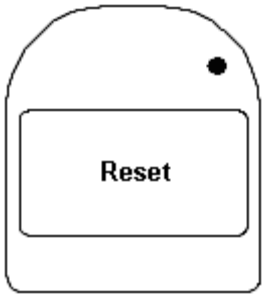
When is it Performed?

A Reset Code changes the Lockout Date when a client has gone into immediate or early recall.

How is it Performed?

To enter the Reset Code, perform the following steps:

Step 1: Press and hold the left button. Scroll through the options pressing the left button until 'Reset' is displayed then press the right button:



Step 2: Enter the four digit Daily Reset Code. (*contact ACS for the Reset Code*):

Each digit of the Reset Code is entered by pressing the right button to select the desired number and by pressing the left button to move the cursor to the next position.

To enter the first digit, press the right button the corresponding number of times as the first digit of the Reset Code. (If the first digit of the Reset Code is 4, press the right button 4 times, etc.) After the first digit has been entered, press the left button to move the cursor to the next digit position. To select the second digit, press the right button the corresponding number of times as the second digit, press the left button. Repeat this procedure to enter the 3rd and 4th digits and press the right button to accept 'Ok?'.

Step 3: At the next screen, a sub code is requested. Obtain the sub code from ACS. The sub code is entered similarly to the Reset Code:

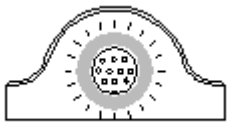
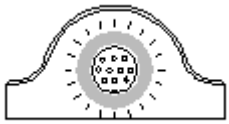
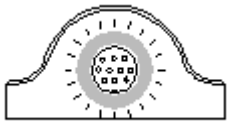
THE HANDSET LOCKOUT DATE HAS NOW BEEN RESET

Step 4: To verify the new Lockout Date, wait for the display to indicate ‘Ready for test’ and press and Hold the left button, Select Service Date and scroll to view the Lockout Date.

APPENDIX

A. CPC LED TROUBLESHOOTING

If circumstances arise where the display screen cannot be read for any reason, to help the user understand what state the device is in, it may help to unplug the handset and view the status of the CPC LED. The CPC LED is the ring light around the plug on the receptacle. By contacting the service provider and telling them the status of this light (i.e. flashing/solid, color) a quicker solution to a situation may be found.

 GREEN	<u>Flashing:</u> -Start Motor -Running -Stall Protect <u>Solid:</u> -Warm-up
 AMBER	<u>Flashing:</u> -Retest -Missed Retest <u>Solid:</u> -Caution
 RED	<u>Flashing:</u> -Failed Retest -Turn Key Off <u>Solid:</u> -Technical Fault -Timed Lockout
OFF	-Standby / Warm-up -Sleep -Service -Activation

B. INSTALLER CHECKLIST SHEET

CIRCLE: PRE-INSTALL E.O.P.

Customer Name: _____ Date: _____
Vehicle Year: _____Make:_____ Plate:_____
Model: _____ Color: _____ Mileage:_____
Center:_____ C/M=I/M #_____ S/H=H/S # _____

	YES	NO
Speedometer	_____	_____
Gauges	_____	_____
Horn	_____	_____
Turn Signal	_____	_____
Flashers	_____	_____
Radio	_____	_____
Dash Lights	_____	_____
Brake Lights	_____	_____
Cig. Lighter	_____	_____
Wipers	_____	_____
Fan/Heat/AC	_____	_____
Power Antenna	_____	_____
Elec. Seat	_____	_____
Elec. Door Locks	_____	_____
Elec. Windows	_____	_____
Back Up Lights	_____	_____
P/H Lights	_____	_____
Alarm with start Kill	_____	_____
Remote Start	_____	_____
Wiring Good	_____	_____
Battery Good	_____	_____
Air Bag light	_____	_____
Anti Brake Light	_____	_____
C/K Engine Light	_____	_____

Interior Comments: _____
_____
_____

Scratches / Dents : _____
_____
_____

Alternator Comment: _____
_____
_____

Engine running: _____
_____
_____

By pass Comments:_____
_____
_____

Engine Compartment oil / Brake Fluid cap:_____

Tech:_____ Client:_____

Post-Install:Client_____ Tech:_____

World Offices

Alcohol Countermeasure Systems Corp
60 International Blvd,
Toronto, Ontario M9W 6J2
CANADA

TEL: 416 619 3500
FAX: 416 619 3501

ACS Part Number 60-000208-B