Haas GPS

Personal Auto Management System
Text-N-Track H1000

READ THIS GUIDE BEFORE
YOUR FIRST INSTALLATION

Haas GPS System Components:

(1) Haas GPS Vehicle Monitoring Unit (Model: Text-N-Track H1000)
(1) Wire harness with 5 Amp Fuse

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NOTE TO TECHNICIANS:

DO NOT USE TEST LIGHTS!
ALL OUTPUTS MUST USE RELAYS!

- **Some vehicles may require relays for optional featurs.**
- **If you must invert the polarity of a signal, use a relay - do not use a solid state inverter.**

THIS TRACKER SUPPORTS STARTER INTERRUPT ONLY!

NOTES

Back-Up Battery
The back-up battery is built into the Text-N-Track H1000 monitoring unit, and recharges while the engine is running. If the power is cut, the unit will send an Alert Notification message to the vehicle owner, and the backup battery will enable it to continue functioning for up to 2 hours, depending upon usage and other factors.

Basic Installation vs. Advanced Installation
The Basic Installation is described in pages 1 through page 15. Pages 22-23 provide additional information, including wiring color-codes, for Advanced Installations. The Basic Installation provides the following features:

- Location Reports
- Speed Alerts
- GeoFence (Theft) Alerts
- Low Battery Alerts
- Maintenance Due
- Reporting via customized Points-of-Interest
- Towing Alerts
- Ignition On/Off

Advanced installations include the above, plus any of the following that may be installed:

- Door Lock / Unlock
- Starter Enable / Disable
- Alarm Trigger
- Car Start
- Honk Horn / Flash Lights

Things you will need before you begin:

- Included with each unit is an Installation Worksheet or you can find a copy on our website. The worksheet asks you to collect the following info:
  - The Text-N-Track H1000 serial number
    (This is the 20-digit number on the unit label - write it down!)
  - The Text-N-Track H1000 Unit Phone Number
    (This is the unit's 10-digit "phone number" listed on the label - write it down!)
  - The Vehicle Identification Number (VIN) and its license plate
  - The vehicle description: Make, Model, Year, and Color
  - The customer's full contact info, including name, address, cell phone number and cellular service provider, and email address
- It is best to have access to the Internet to register each newly-installed Haas GPS unit. If you plan to install a Haas GPS unit at a location where Internet access is not easily available, you can register it BEFORE installing it. Use the Installation Worksheet to ensure that accurate vehicle information is assigned to each unit.
- It is also helpful to have a cell phone that is capable of sending and receiving text messages - you can use it for testing the Text-N-Track H1000.

1. ONLINE REGISTRATION

Online registration is easy. During the registration process, you will configure each new Haas GPS system specifically for each new customer. You can also set up a temporary account to allow yourself to send and receive test messages.

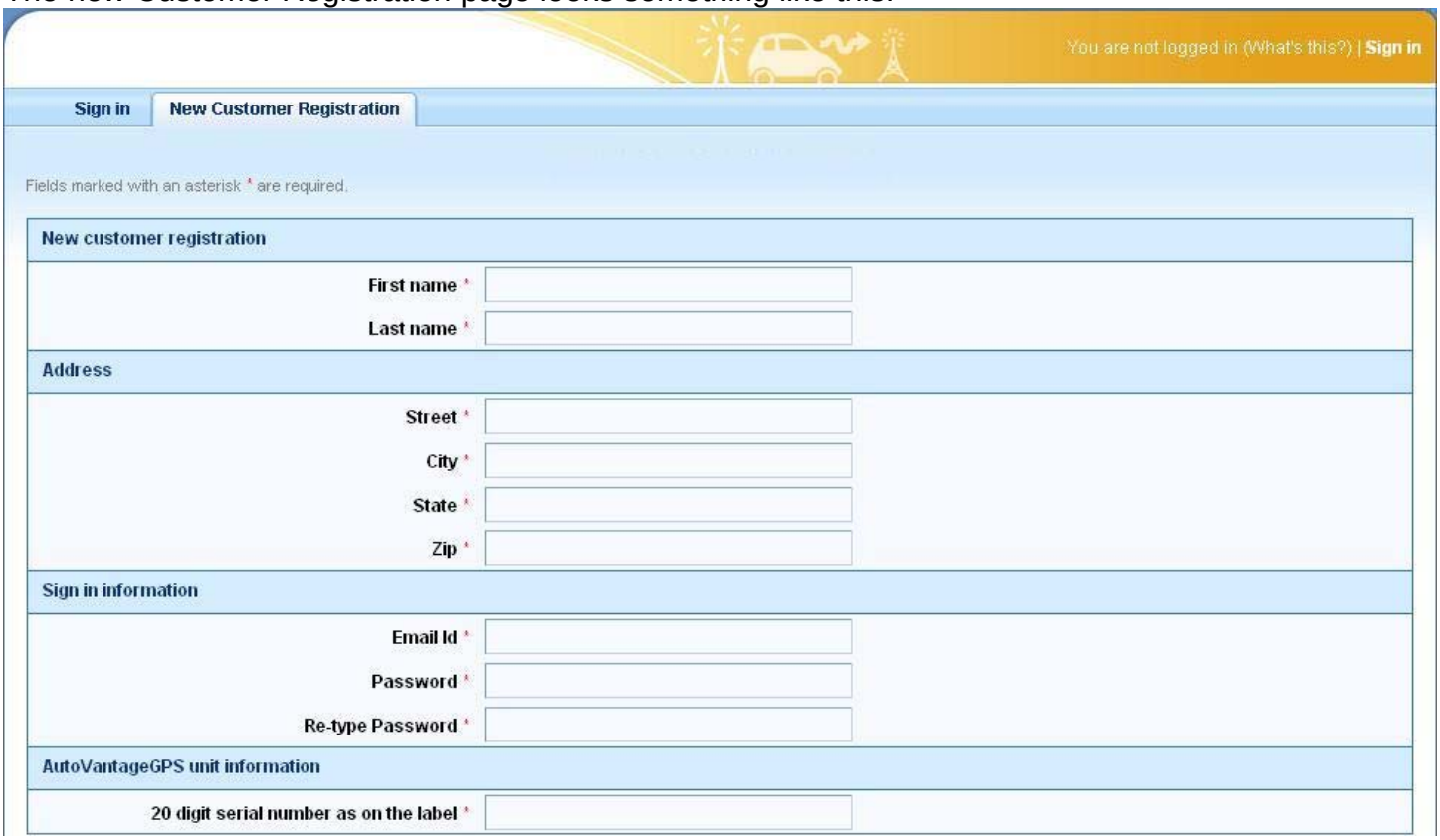
A. Login

Using an Internet browser, go to the Haas GPS website at: www.haasgps.com. Click on the Register Car tab, and then click where it says, Click here. The login page will look something like this:

You will find the section for **New Customers** in the lower left corner. Click on the **Register Here** button.

B. New Customer Registration

The new Customer Registration page looks something like this:



From the Installation Worksheet, input the customer contact information in the spaces provided.

Note: If the customer contact information is not available, you can fill the fields with dummy info and update it later. In other words, for the contact info you can enter "John Doe, 123 Any Street, Any Town, Any State, 00000", and for the email address, you can enter anyname@anymail.com. This information **must** be updated later.

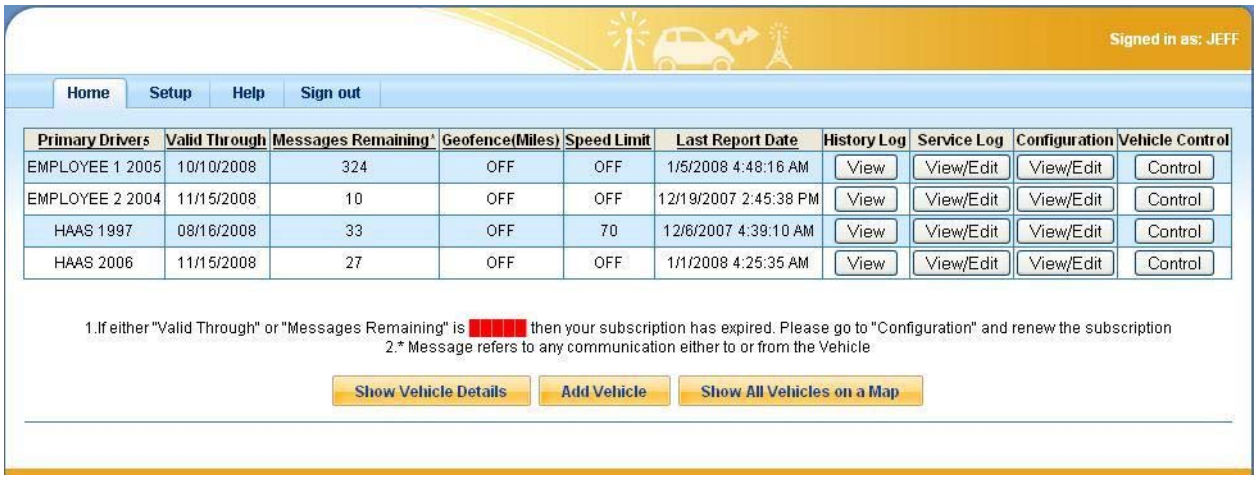
For the **Login Information**, enter the following password:
1234. Re-type the password as requested. The customer can change his password at any time in the future. All new customer registrations should use the password 1234.

Enter the 20-digit Serial Number in the space provided.

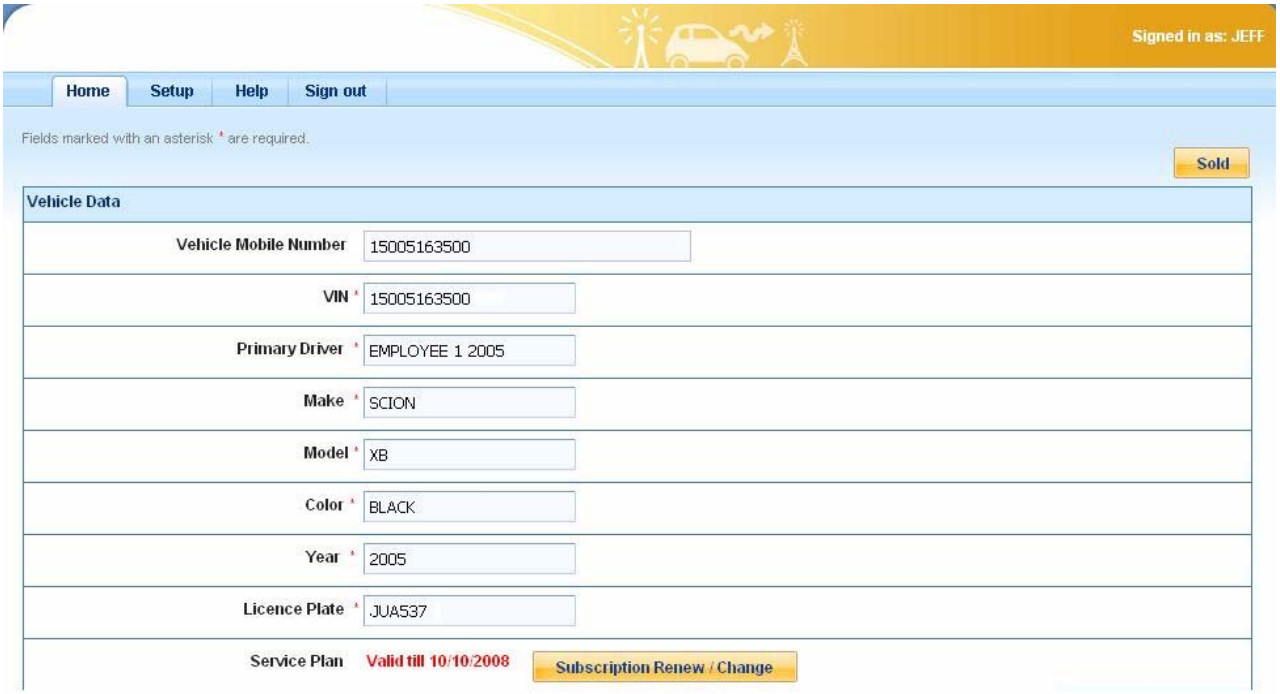
Click on the **I Agree** button at the bottom of the page to complete the registration.

C. Configuration

After completing the registration, you will then be taken to the customer's Home Page, which will look something like this:



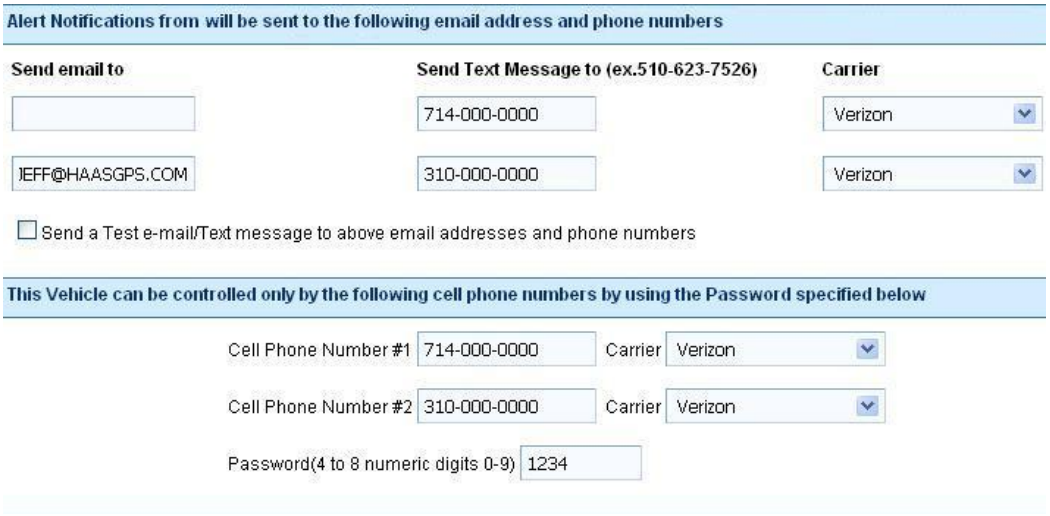
Move the mouse towards the right side of the page to the column marked **Configuration,** and click on the field marked **"View/Edit"**. You will then be taken to the Configuration Page, which looks like this:



The Configuration Page enables you to customize the Haas GPS system for each new customer. Using the information from the Installation Worksheet, fill in the fields in the sections marked "**Vehicle Data**," **Features Installed**," and "**Alert Notifications will be sent for**".

The section marked "**Points of Interest**" should be left blank - the customer can enter this information later.

You will find the section for configuring cell phone services near the bottom of the page. This section will enable you to specify which cell phones will be allowed to send messages to the Text-N-Track H1000 monitoring unit, and to receive messages from it. That section of the page will look something like this:



Input the customer's information in the section marked "**Alert Notifications from alert@haasgps.com will be sent to the following email address and phone numbers**".

You should also input the customer's information in the section marked "**This vehicle can be controlled only by the following cell phone numbers by using password specified below."**

Note: If you intend to use your own cell phone for testing purposes, you can **temporarily** submit your own cell phone information. Your cell phone should be capable of sending and receiving text messages if you intend to use it for testing. Remember to return to the Configuration Page to remove your cell phone info when you have completed testing, and before you deliver the system to your customer.

When you've finished inputting the requested information, click on the "Submit" button at the bottom of the page.

Congratulations! You've completed the registration process. You are now ready to install the Text-N-Track H1000 monitoring unit in the vehicle.

2. PHYSICAL INSTALLATION

The Haas GPS monitoring unit is self-contained. It does not require an external antenna. Both the GPS antenna and the cellular antenna are built-in. A Basic Installation requires only three wired connections: one wire for Power (constant 12Volt), one for Ignition and the last one for Ground. The Basic Installation consists of three simple steps: A) finding a place to position the monitoring unit, B) testing for signal strength, and C) mounting the unit in place and providing power.

A: PLACEMENT

First, find a location for the Haas GPS monitoring unit. The unit must be placed in a horizontal position with its label facing up to ensure that the built-in antennae can receive signals. It should not be located directly underneath any metal. However, plastic, fiberglass, glass and cloth coverings are acceptable. Following those guidelines, there are many places where the Haas GPS monitoring unit can be positioned.

Note: Be sure not to use T-Taps or Scotch Locks.

Notes:
Make sure that the vehicle's windows are not covered with any reflective metallic film that could block GPS signals.

The windshields and/or windows of certain types of vehicles (including some Mercedes-Benz models and some BMWs) may have coated glass that can impede radio signals from penetrating the vehicle. If you are not sure about the windows, use the signal test procedure described above to find an acceptable installation position for the Text-N-Track H1000 monitoring unit.

B: POWER UP UNIT AND TEST FOR SIGNAL

Make sure the back-up battery switch is in the OFF position. The battery switch is located on top of the unit. The vehicle should be located outdoors and away from large obstructions, such as tall buildings, that could block GPS signals. Place the monitoring unit in the desired position, making sure you can see the red and green LEDs.

- Connect the BLACK wire from the wiring harness to a proper grounding point. Check with a meter if you are not sure.
- Connect the RED wire from the wiring harness to a constant 12-volt positive power.
- Connect the YELLOW wire from the wiring harness to 12-volt ignition.

When the monitoring unit receives power, the LEDs will begin flashing. The GREEN LED will stop flashing after it has locked onto its cellular signal (may take up to 5 minutes depending on cellular and

GPS coverage); and the RED LED will stop flashing when it locks onto its GPS signal (may take up to 5 minutes depending on cellular and GPS coverage). Signal strength is confirmed when both LEDs stop flashing.

If the LEDs do not stop flashing, the Haas GPS monitoring unit should be re-positioned in another location. Find another location for the monitoring unit and confirm that the signal strength is acceptable before proceeding to the next step.

C: MOUNTING THE UNIT

After confirming an appropriate location for the Haas GPS monitoring unit by successfully checking its signal strength, you are now ready to mount the unit in place. Remember, the unit must be positioned horizontally with the label side up.

After the Haas GPS monitoring unit has been mounted in place make sure that you switch the Back-up Battery switch to the ON position.

Congratulations! You've completed the physical installation. It is now time for the final test.

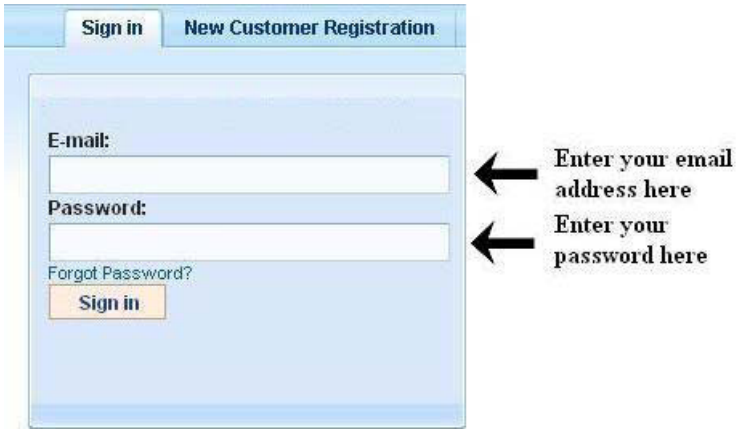
3. FINAL TESTING

Each Text-N-Track H1000 unit should be tested before delivery to the customer. You can test the unit either by using an Internet browser or by using a text messaging-enabled cell phone. Both methods are described below.

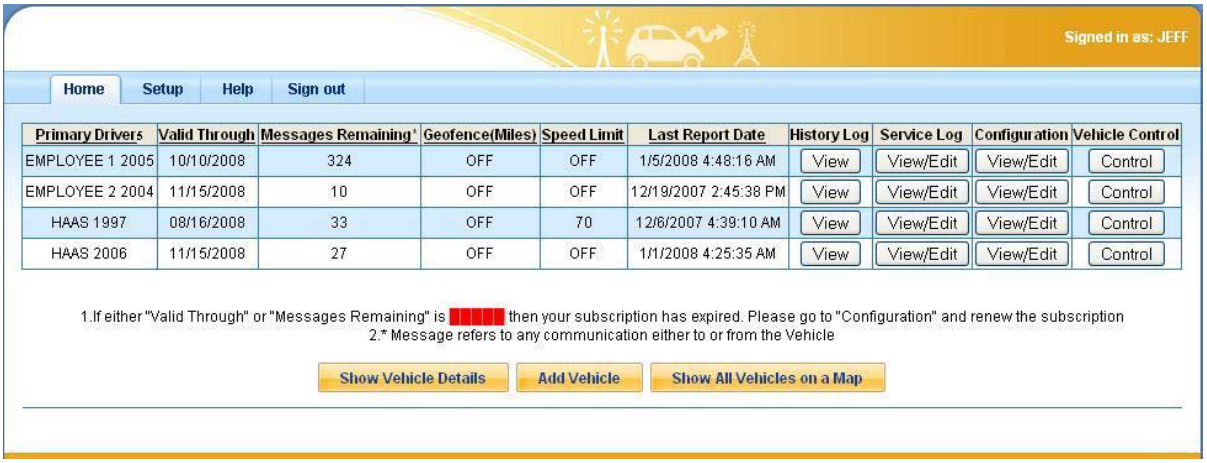
Note: Move vehicle outside with a clear view of the sky prior to powering up the unit.

A. Using an Internet browser to test the Text-N-Track H1000

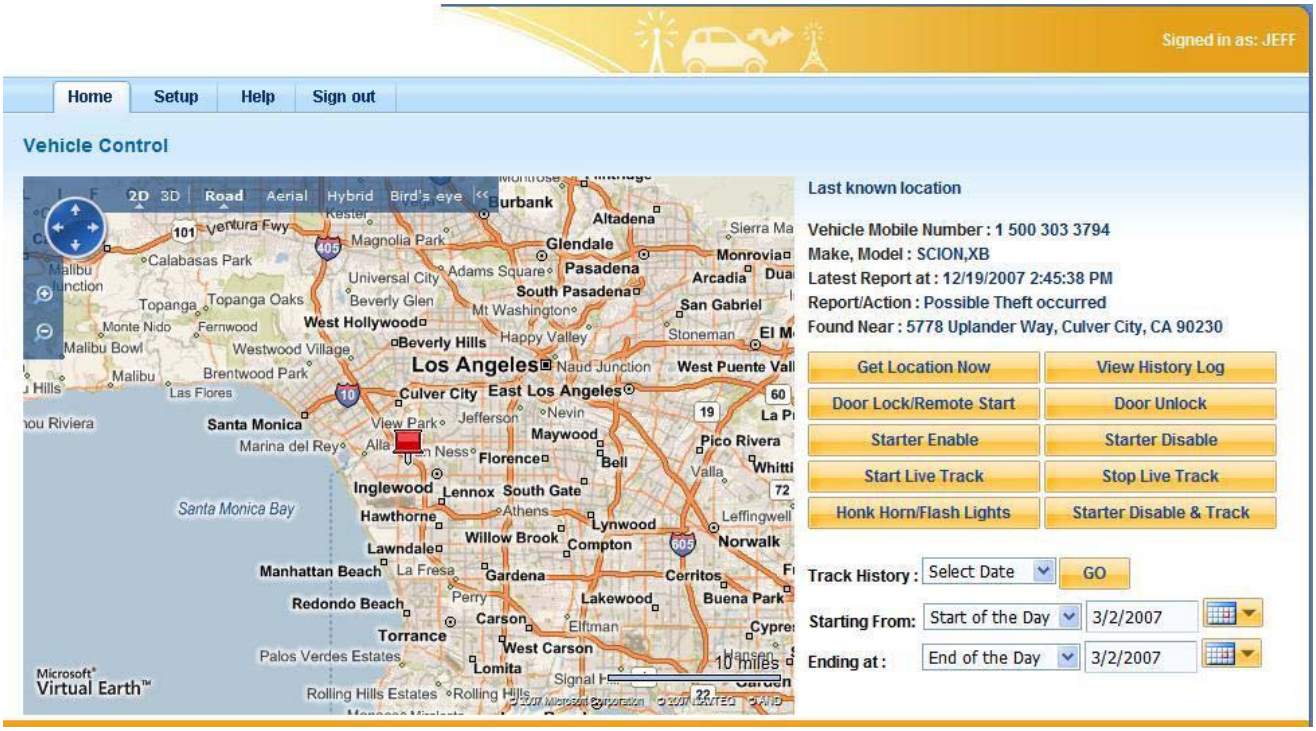
Use your browser to go to the following site: www.haasgps.com. Click on the Track My Car tab, and then click where it says, click here.
The page will look something like this:



This is the same website that was previously used for registering the new customer. This time you will log in as an Existing Customer. Under the "**Existing Customers"** section, input the customer's email address and the password (1234). You will then be taken to the customer's Home Page. The Home Page will look much like this:



Check the information to verify that the vehicle description is accurate. Move the cursor to the far right side of the page to column marked "**Vehicle Control**," and then click on the field marked "**Control**." You will then be taken to the Vehicle Control Page, which looks much like this:



This page allows users to locate, track, and remotely control their vehicle. The features are easy to use and generally self-explanatory.

The final test for each newly-installed Text-N-Track H1000 unit is to command it to report its current location. Simply click on the box marked "Get Location Now." The system will inform you that you are about to send a message to the remote unit, and it will ask you to confirm your decision. Click "Yes".

Shortly thereafter, a NEW Location Report will appear. Receipt of an accurate Location Report will verify that the Text-N-Track H1000 unit is operating properly and is ready to be delivered to the customer.

Congratulations! You've completed the physical installation, the registration, and final test. You are now ready to deliver the system to your customer.

Note: If you submitted any personal information – such as your own cell phone number – during the registration process, please remember to remove it before delivering the system to your customer.

B. Using a cell phone to test the Text-N-Track H1000

Note: Instructions for creating and sending text messages from cell phones are beyond the scope of this document. This guide assumes that reader is already familiar with text messaging. This guide provides the necessary information to enable a reader with text-messaging skills to send commands to a remote monitoring unit and to receive reports from it.

If you are already familiar with text-messaging, you can also use a text-enabled cell phone to test the Text-N-Track H1000. The test will consist of using a cell phone to send a "Locate Now" command to the remote Text-N-Track H1000 unit, and receiving a response from it on a cell phone. Here's how you can use a cell phone to perform the final test:

- **Configuration**: During the online registration process, you must use the Configuration Page to specify the cell phone for sending and receiving messages. After the cell phone has been specified on the Configuration Page, you can use it to send a "Locate Now" command to the Text-N-Track H1000 unit.

- **Message Format**: The format for the "Locate Now" command consists of the password, followed by a single blank space, followed by the digit 1.
    - The password was previously specified on the Configuration Page. For new customers, the password is always set to 1234
    - A single blank space should separate the password from the command
    - The command for "Locate Now" is the digit 1.

  The message format for a new customer sending a "Locate Now" command message from a cell phone is therefore as follows: 1234 1 **(NOTE: There is a space between password and command)**

- **Phone Number:** The text message should be directed to the Text-N-Track H1000 unit's Mobile Identification Number (this is its 10-digit "phone number").

Using a text-enabled cell phone, send the "Locate Now" command to the Text-N-Track H1000 unit. Again, the message should consist of the following: 1234 1

You should receive the Location Report message on the cell phone shortly thereafter. The message will originate from “Notification1@haasgps.com” and it will include the vehicle’s location, as well as the date and time of the message. At times, network congestion may cause delivery delays.

Receipt of the Location Report indicates that the Text-N-Track H1000 unit is operating properly.

Note: Other commands are also available. The full list of commands and their “command codes” are as follows:

- Locate 1
- Door Lock 2 (Optional)
- Door Unlock 3 (Optional)
- Honk Horn / Flash lights 4 (Optional)
- Live Track 5

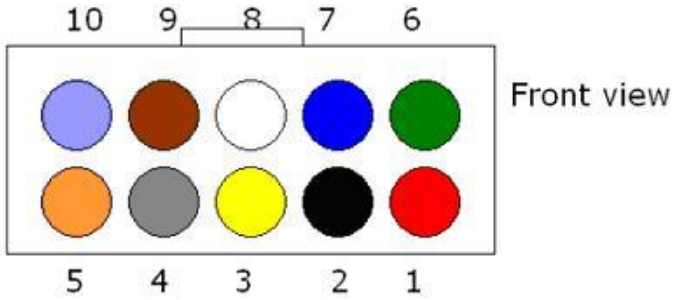
All commands follow the same format: password, followed by a blank space, followed by the command digit.

Please note that the Door Lock, Door Unlock, and Honk Horn/Flash Lights commands require an Advanced Installation.

Congratulations! You’ve completed the physical installation, the registration, and final test. You are now ready to deliver the system to your customer.

4. ADVANCED INSTALLATION INFORMATION

Note: Please review the color codes below **AND** remove harness before continuing installation.



Pin #	Wire	Funcition	Polarity		Current	Note
1 - Input	Red	+12 VDC	Positive	+		
2 - Input	Black	Ground	Negative	-		
3 - Input	Yellow	Ignition	Postive	+		Connect to 12V Ingition
4 - Output	Gray	Horn and/or Flash Lights	Negative	-	250 mA	Car horn and/or light circuits Active negative output
5 - Output	Orange	Starter	Negative	-	250 mA	Connect through relays to car starter circuit
6 - Output	Green	Door Lock	Negative	-	250 mA	Single pulse
7 - Output	Blue	Unlock Door	Negative	-	250 mA	Single pulse
8 - Input	White	Alarm Trigger	Positive	+	250 mA	Siren input or Factory alarm
9 - Not Used	Brown					
10 - Not Used	Violet					

Note: Active Low = Negative Output

	CIRCUIT DESCRIPTION
GRAY — CAR-FINDER	CAR FINDER HORN/LIGHTS – This pulsating negative output may need relay(s) to sound the vehicle's horns or flash its parking lights. For dual circuit parking lights connect a second light relay that is driven off the first one, otherwise one relay for lights and one relay for horns. Observe polarities.
YELLOW — IGNITION	IGNITON – This is a 12V current sensing input that connects to the 12V output of the vehicle's ignition. Presence of 12V signal on this input alerts the tracker when the vehicle is turned on and the key is in the ignition. THIS WIRE MUST BE CONNECTED FOR THE TRACKING SYSTEM TO WORK PROPERLY.
ORANGE — STARTER INTERRUPT	Starter Interrupt (-) – The ORANGE wire provides a latched ground output signal. When this feature is activated it will cause an optional relay to open when an attempt is made to start the engine, thus preventing the starter from operating until another signal is sent to the Text-N-Track H1000 to remove the ground signal from the ORANGE wire. This is designed specifically to interrupt starters.
GREEN — DOOR LOCK	DOOR LOCK COMMAND – This is a conventional NEGATIVE door lock output designed to be connected to factory or aftermarket door lock actuators. This output may also be used for remote starters.
BLUE — DOOR UNLOCK	DOOR UNLOCK COMMAND – This is a conventional NEGATIVE door unlock output designed to be connected via a relay to factory or aftermarket door lock actuators.
WHITE + ALARM SENSE	THEFT ALARM – Theft alarm sense input – Alarm sounding devices normally are powered by 12 volts positive, and are monitored by the Haas GPS monitoring unit 12 volt positive input. When the sounding device is powered for 15 or more seconds it causes the monitoring unit to send an alert message to the owner. Should the sounding device be negatively driven, use a relay to invert the polarity. To prevent unintended messages from being sent, only one message is sent to the customer.