

NYVIP2 Vehicle Inspection Operators Manual

Version 4.0



© 2014 Opus International, LLC 6681 South Cottonwood Murray, UT 84107 Phone: 1-866-OBD-TEST • Fax: 518-237-0321 Website: www.NYVIP.org

1

Table of Contents

1	Introduction	. 4
1-1	Conventions	. 4
1-2	Important General Safety Instructions	. 4
2	NYVIP2 Program Overview	. 5
2-1	Inspection Program Background	. 5
3	NYVIP2 Analyzer Overview	. 6
3-1	NYVIP2 Analyzer—Computerized Vehicle Inspection System (CVIS)	. 6
3-2	NYVIP2 Analyzer Configuration	. 6
3-3	NYVIP2 Analyzer Operation	. 8
4	NYVIP2 Analyzer System Installation	. 8
5	NYVIP2 Analyzer Menus	. 8
5-1	Start Up Menu	. 9
5-2	Main Menu	. 9
5-3	Vehicle Inspection Menu	10
5-4	Utilities Menu	11
5-5	Station/Facility Menu	12
5-6	State/Audit Menu	13
5-7	Opus Menu	13
5-8	Shutdown Functions Menu	13
6	Secure Login	14
7	Pre-Inspection Check List	17
8	Station Licenses	17
9	User Licenses	18
10	Test Authorizations	19
11	Sticker Inventory	25
12	Lockouts	37
13	Printer Status	44
14	Toner Replacement	47
15	Pre-Inspection Procedure	48
16	Vehicle Inspection Menu	48
16-	1 Safety/Emissions	49
Veł	nicle	49
16-	1.1 Safety Component Check	60
	1.2 Emissions Related Repair	
16-	1.3 Emissions Waiver	62
16-	1.4 Brake/Wheel Check	70
16-	1.5 Motorist Advisory Check	70
16-	1.6 Safety Component Check	71
16-	1.7 Gas Cap Visual Inspection	72

16-1.8 Prepare for OBD Inspection	
16-1.9 MIL Lamp Status	75
16-1.10 OBD II Inspection	77
16-1.11 End of Test Processing	
16-1.12 Vehicle Inspection Report Printing	
16-1.13 10-Day Extension	
16-2 VIR Reprint	
16-3 Daily Report	
17 NYVIP2 Troubleshooting Guide	
17-1 PC Issues	
17-2 Monitor Issues	
17-3 Test Authorization Issues	
17-4 OBDII Issues	
17-5 Barcode Scanner Issues	
17-6 Communication Issues	
17-7 Inspector ID Issues	
17-8 Sticker Issues	
17-9 Printer Issues	
18 Appendices	
Appendix A: NYVIP2 Acronyms	
19 Index	101

Introduction

1-1 Conventions



Important information or helpful tip



Procedural alert! Read before proceeding.



Hazard or safety warning!

1-2 Important General Safety Instructions



When using the analyzer, please read and follow all safety instructions carefully.

- Remain in the vehicle during emissions inspection.
- Handle equipment with care! The analyzer components can be damaged with carelessness.
- Do not drop equipment.
- Care should be taken to arrange cables and cords so that they will not be tripped over or pulled.
- Always have adequate ventilation when working on vehicles with the engine running.
- \blacklozenge Use analyzer equipment as described in this manual.
- Use only Opus approved attachments.
- Follow all NYVIP2 operating policies and procedures.



Other important safety precautions

Toxic Fumes

Make sure the inspection area is well ventilated, because motor vehicle inspections generate toxic emissions. *Failure to ventilate properly can be lethal to operators and other personnel.*

Electrical Shock

The analyzer system uses several cables and cords to connect between various pieces of equipment. Avoid contact with liquids, either through spillage or placing these items on a wet floor. *Make sure all*

contacts are dry before connecting them to other system components. Failure to do so may result in severe or lethal damage to yourself, other personnel, or damage to the equipment.

Tripping Hazard

When moving about inspection area, be aware the analyzer and other inspection lane equipment may have several cables, hoses, and cords running between various pieces of equipment, especially during inspections. *Failure to take care in the inspection lane surroundings may result in damage to your health, other personnel, and/or equipment.*



<u>NOTICE</u>: This manual is intended to provide technical guidance on the operation of the analyzer. Do not attempt to operate this product without fully reading and understanding the information presented.



WARNING: Any physical abuse or misuse of this product will void the manufacturer's warranty.

2 NYVIP2 Program Overview

2-1 Inspection Program Background

Private-sector businesses licensed and approved by the New York Department of Motor Vehicles (DMV), perform safety and/or emissions inspections, and issue compliance inspection certificates (stickers) to motorists in conformance with the Commissioner's Rules and Regulation. Compliance with regulations is monitored and managed by the DMV's Division of Vehicle Safety Services (VSS) and Clean Air, and by the Division of Air Resources at the New York Department of Environmental Conservation (DEC). VSS licenses and audits inspection stations to ensure the stations are operating in compliance with the Commissioner's Rules and Regulations. The DMV and DEC approve hardware and software, and compile data for EPA reporting requirements.

Vehicle technology has evolved over the years, increasing the scope and complexity of the vehicle inspection program. In order to improve the air quality in New York State, and to comply with EPA regulations, DMV and DEC incorporates OBDII technology into the current inspection process. DMV also licenses official diesel emission inspection stations (ODEIS), while DEC audits ODEISs for compliance with DEC's regulations.

All model year (MY) 1996 and newer light duty vehicles, manufactured for sale in the United States, have the ability to self-diagnose the state of the vehicle's emission control systems, and to detect potential emissions failures. This technology is referred to as **On-Board Diagnostic Systems**, or **OBDII**. Controlled by the vehicle's on-board computer, the vehicle regularly monitors engine performance and other critical emissions related components to identify when there may be an emissions system related problem. If a potential or actual problem is identified, the vehicle's Malfunction Indicator Light (MIL) will illuminate, notifying the driver to have the vehicle serviced.

3 NYVIP2 Analyzer Overview

3-1 NYVIP2 Analyzer—Computerized Vehicle Inspection System (CVIS)

The Opus analyzer represents a blend of innovation and proven reliability. It is comprised of a compact profile that easily facilitates placement on either a station provided work surface or as part of an optional, ultra-compact cabinet designed specifically for crowded shop environments.

The NYVIP2 Computerized Vehicle Inspection System equipment and unified Vehicle Information Database (uVID) host computer system are designed according to EPA guidance documentation, EPA

final rule making, and according to specific requirements defined by both the DMV and DEC. Analyzer inspections are used to determine pass/fail outcomes for all vehicles subject to the New York Vehicle Inspection Program (NYVIP2).

Under DMV and DEC guidance, Opus has implemented revised policies and procedures and new, state of the art technology to update the vehicle inspection program.

3-2 NYVIP2 Analyzer Configuration

The Opus NYVIP2 analyzer will include the following hardware and software:

- ◆ PC: Dell OptiPlex 3010n Minitower with:
 - 4GB DDR3 RAM, 250 GB hard drive, 1.9 GHz Processor, 1.5 MB Processor Cache;
 - 56K, PCIe, USR5638 Modem;
 - Input devices: 8USB, 2 PS/2, 1NIC, 1 HDMI, 1 VGA, 1 Serial, 1 Audio in, 1 Audio out, 1 Speaker and 1 MIC; and
 - Slots: 1 PCIe1 and 3 PCIe16.
- Dell Model E1912H 18.5-inch Flat Panel Monitor with LED display;
- Microsoft LifeCam Model VX-2000 Web Camera
- USB full keyboard;
- USB optical mouse, with Fellowes Microban thin mouse pad;
- Okidata B4400 USB/Parallel laser printer;
- ◆ Honeywell Xenon 1900 GSR MVRIS-M15 Point & Shoot 2D with 15' Cable barcode scanner;
- SPX OBD2 Link model SPX S9020, with SPX OBD2 professional grade cables;
- ◆ Microsoft Windows 64 bit Embedded Version 7 software; and
- Opus proprietary analyzer application software.





OBDII Connector

The OBDII connector link is provided for inspection of applicable vehicles. During OBDII inspections, the OBDII link is connected to the vehicle's DLC (diagnostic link connector) to obtain the vehicle's status. The analyzer software includes a DLC locator tool with information and to assist you in locating the DLC on different vehicles. The analyzer applies advanced vehicle look-up and OBDII inspection methods to reduce the inspection time by connecting the OBDII link to the vehicle at the very beginning of the inspection process. Refer to Chapter 15 Vehicle Inspection for details.

VIR Printer

The analyzer system includes a printer for Vehicle Inspection Report Printing.

Analyzer Cabinet (Optional)

The analyzer cabinet, if purchased, will store the PC (computer) and hardware needed for conducting vehicle inspections. Devices include the analyzer computer, bar code reader, monitor/screen, keyboard, mouse, OBDII link, etc. These devices all work together to support the vehicle inspection process.

Opacity Meter (Optional)

The Opacity Meter is an optional hardware component that is needed for the inspection of applicable Heavy Duty Diesel Vehicles over 8,500 lbs. During an Opacity inspection, the Opacity Meter is connected to the vehicle via the tail pipe utilizing probes.

The computer will integrate the OPUS 100 diesel opacity transducer. The OPUS 100 is a partial stream Opacity Transducer developed according to the European standards ECE R-24 and ISO 11614 and designed to meet all legislations in Europe as well as in the rest of the world.

3-3 NYVIP2 Analyzer Operation

OBDII Test

An OBDII (On-Board Diagnostics II) emissions inspection is usually the first choice for an emissions inspection for all 1996 or newer gas fueled vehicles, and 1997 or newer light-duty diesel fueled vehicles. The inspection vehicle's on-board computer monitors the key components of these systems, not only when the engine is running, but also anytime the ignition is turned on. If any of the readings indicate sub-par performance, the OBD computer sets a flag, or code, which the analyzer detects during an emissions inspection.

4 NYVIP2 Analyzer System Installation

* Please see the NYVIP2 Emissions Analyzer Setup Guide. This guide can be obtained from the Opus website at www.NYVIP.org under Forms & Downloads.

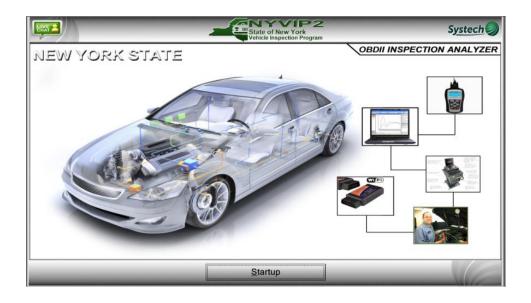
5 NYVIP2 Analyzer Menus

The computer's main menu system provides access to the functions you need to perform vehicle inspections. The menu system also allows you or your station manager to carry out necessary administrative tasks. This chapter explains these features and how to apply them to the routine operation of your inspection station. This manual provides detailed descriptions of selected functions in other chapters, referenced in this section. Please note: menu items can change per software version.

5-1 Start Up Menu

The following menu is displayed when the computer is turned on.

Select 'Startup' to proceed to the Main Menu.



5-2 Main Menu

The Main Menu is shown below and is the entry to the system.

Timeout		State of New York Vehicle Inspection Program		Systech 🥥
Printer Status READY		Main Menu	+	_
POWER SAVE Toner: 70% Drum: 97.82%		1. Vehicle Inspection Mer	nu 🚳	Z
Sticker Inventory Safety 80 Safety/Emission 19 Diesel Emission 80	٥	2. Utilities Menu		Š
Heavy Duty D Motorcycle 79 Status Ready	R	3. Station/Facility Menu		YO
Test Auth. 56 Lockouts 0		4. State/Auditor Menu	6	×× ·
Cals Due 0 Next Cal New	¥	5. Systech Menu	8	
Scan Int. 15m Current Ver. Yes	Ċ	6. Shutdown Functions	8	Π
	Ma	in Menu	Help	

The following items are available from the Main Menu:

- **1.** Vehicle Inspection Menu Any user can access this menu, though certain menu items only allow access to authorized station users, such as performing a vehicle inspection.
- 2. Utilities Menu Any user can select this menu to check equipment consoles, reprint a VIR, update workstation information, view lockouts, access reports or configure communication and hardware settings.
- **3.** Station/Facility Menu Users designated as a manager can select this menu to perform inspections in the training mode, Add/Remove Inspectors, Purchase Test Authorizations, Resend records to the VID, and Add/Remove Sticker Inventory.
- **4. State/Auditor Menu** Authorized state users can select this menu to view/add inspectors, view analyzer status, check the video, check communications, set/view lockouts, perform audits, or perform other state functions.
- **5. Systech Menu** Authorized Opus users can select this menu to check equipment consoles, update software, view/print documents, calibrate equipment, check communications, set or view lockouts, update workstation information, reset unit date/time, audit station, audit bench, or access shutdown functions.
- **6. Shutdown Functions** Any user can select this menu to view the options to shut down or restart the analyzer.
- **Help** Selecting the **Help** button causes the **Help** document to display. The **Help** button is available on many screens.

5-3 Vehicle Inspection Menu



The following items are available from the **1.Vehicle Inspection Menu**:

- **1.** Safety/Emissions Any user can select this menu, but only authorized inspectors can proceed with a vehicle inspection.
- 2. VIR Reprint Any user can select this menu to search and reprint a VIR.

- **3.** Administrative Exemption –Authorized users can select this menu to perform an administrative exemption if given the ability by the state.
- **4.** Clear DLC Connector Lockout Authorized users can select this menu to clear a DLC connector lockout.
- 5. Previous Select Previous to go back to the Main Menu.

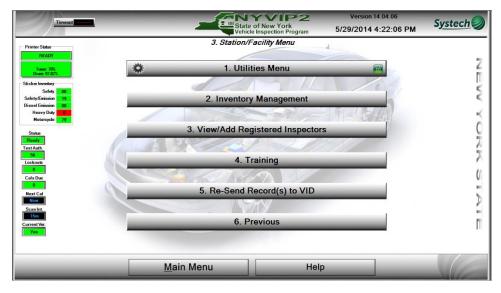
5-4 Utilities Menu



The following items are available from the **2.Utilities Menu**:

- 1. Documents and Information Any user can select this menu to view documentation, reprint a VIR, view Bulletins/Messages that are available and access Daily Reports.
- 2. View Lockouts Any user can select this menu to view lockouts.
- **3.** Configuration –Any user can select this menu to change the inspector password, check the analyzer status, select the printer, configure serial communications ports, activate and manage station licenses and reset the SPX Tool Firmware.
- **4. Calibrations** –Any user can select this menu to perform an OBD link protocol check and to calibrate the Opacity Meter.
- **5. Communications** Any user can select this menu to perform a full or incremental data file refresh, change the network settings, resend test records, check VID communications, and setup the wireless OBD tool.
- 6. Shutdown Functions Any user can select this menu to shut down or restart the Analyzer.
- 7. Change Inspector Password Any user can select this menu item to change the inspector password.
- 8. Previous Select Previous to go back to the Main Menu.

5-5 Station/Facility Menu



The following items are available from the **3. Station Menu**:

- 1. Utilities Menu Users designated as a manager can select this to view documentation, reprint the VIR, view bulletins/messages, view lockouts, review the analyzer status, view registered inspectors, complete printer selection, configure serial communication ports, update workstation information, perform a full or incremental data file refresh, change network settings, check VID communications, pair the wireless OBD tool, and restart the analyzer.
- **2.** Inventory Management– Users designated as a manager can select this to Add and Remove Sticker Inventory, and purchase Test Authorizations
- **3.** View/Add Registered Inspectors Users designated as a manager can select this to view, add, or remove registered users or change their access levels.
- **4.** Training Users designated as a manager select this to run a training inspection that is the same as a vehicle inspection but does not use a test authorization.
- 5. Re-Send Record(s) to VID Users designated as a manager can select this to resend inspection records to the VID if the analyzer was off-line at some point or if the analyzer has been locked out for "no contact".
- 6. **Previous** Select **Previous** to go back to the **Main Menu**.

5-6 State/Audit Menu

The **State Menu** is for State personnel use only.

5-7 Opus Menu

The **Systech Menu** is for Opus personnel use only.

5-8 Shutdown Functions Menu

Timeout	State		Version 14.04.06	Systech
	Vehicle	of New York Inspection Program	5/29/2014 4:23:06 PM	
	6. Shutdow	Functions		
Printer Status				
READY				
Toner: 70%				6
Drum: 97.82%				
Sticker Inventory				
Safety 80	1. Shutdov	vn Analyzer		>
Safety/Emission 19. Diesel Emission 80			A NA MA	
Heavy Duty 0			GI BERNO	~
Motorcycle 79				2
				0
Status	and the second second	725		
Test Auth.	2. Nightly Sh	utdown/Restart		1
56				2
Lockouts				r
				()
Cals Due				V
Next Cal	3 Pr	evious		5
ScanInt				
15m				
Current Ver.				
Yes				101
	Main Menu	Help		
and the second se				

The following items are available from the Shutdown Functions Menu:

- 1. Shutdown Analyzer Any user can select this menu item to shut down the Analyzer.
- 2. Nightly Shutdown/Restart Any user can select this menu item to perform a nightly shutdown and restart the Analyzer.
- 3. Previous Select Previous to go back to the Main Menu.

6 Secure Login

Logging In

Upon selection of a secure menu item (as indicated by a red lock), the user will be prompted to scan the barcode of their Inspector License and enter a password.

First Time Login:

If logging in for the first time, the user will be asked to enter their temporary password.

The Temporary Password will be the first name and the last name of the inspector, all in capital letters, separated by a period (i.e. FIRSTNAME.LASTNAME).

If you are unable to login, contact Opus Inspection at 1-866-OBD-TEST (1-866-623-8378).

New User				
Required Security Level:Inspector				
User Authentication Required Inspector #: UserN Password:	Licenses LD Current HD None MC None			
First Time Logon! Enter Temporary Password Now.				
Valid License(s) Found, Inspection(s) Permitte	ed!			
* Temporary password = Firstname.Lastname as it appears on badge. Select Continue (alt/c) or Enter to proceed Continue				

The user will then be prompted to enter a new password:

First Time Logon			
Enter your new password New User			
Password:			
Confirm:			
* Password should be between 5 and 10 characters and can not contain spaces.			
ОК			

Enter the password. Enter the password again to confirm the first entry. Select **'OK'** to proceed.

The user will then be prompted to login using the new password (as created above).

New User				
Required Security Level:Inspector				
User Authentication Required				
Inspector #: UserN Password:	Licenses LD Current HD None MC None			
Please enter your new password to proceed				
Enter Password				
* Temporary password = Firstname.Lastname as it appears on badge. Select Continue (alt/c) or Enter to proceed Continue Cancel				

Once the password is entered, select 'Continue' to proceed.

Secure Login (after First Time Login):

The user will be prompted to scan the barcode of their Inspector License.

Inspector				
Required Security Level:Inspector				
User Authentication Required				
Inspector #: Select				
Password:				
Scan Badge to Log On to System				
If your ID is not listed contact Systech for assistance				
* Temporary password = Firstname.Lastname as it appears on badge. Select Continue (alt/c) or Enter to proceed Continue Cancel				

Once the Inspector License has been scanned the password must be entered to continue.

	TEST SYSTECH				
Required Security Level: Inspector					
User Aut	hentication Required				
Inspector #:					
Password:	***** MC Current				
Password Entry Required.					
Enter	Password to Proceed				
Valid License(s) Found, Inspection(s) Permitted!					
Select Continue (alt/c) or Enter to proceed <u>C</u> ontinue C <u>a</u> ncel					

The analyzer will display an error message in response to any invalid entries.

TEST SYSTECH						
Required Security Level:Inspector	Required Security Level:Inspector					
User Authentication Required						
Inspector #: 14TB	Licenses LD Current					
Password:	HD Current MC Current					
Password Entry Required.						
Invalid Password Entered!						
l.						
Select Continue (alt/c) or Enter to proceed						
<u>C</u> ontinue C <u>a</u> ncel						

7 Pre-Inspection Check List

- 1. Station is licensed.
- 2. Inspector is licensed for the appropriate inspection type.
- 3. Test authorizations are loaded.
- 4. Stickers are loaded for the appropriate inspection type.
- 5. Lockouts are clear.
- 6. Printer Status Ready.

8 Station Licenses

For the Vehicle Inspection process, the station must have the appropriate license to perform a vehicle inspection.

From the Main Menu, Select 2. Utilities, 3. Configuration, 5. Activate/Manage Station License.



Scan the Facility Barcode

Timout 01 10	-	State of New Vehicle Inspec	York tion Program	Version 14.04.06 5/29/2014 4:27:41 PM	S <u>ystech</u>
WARNING		Scan Facility Lice		end of the month	
		CurrentLicense		_	
	License Type 1A 1B 2A 2B	Description Light Duty Vehicles Light Duty Trailers Heavy Duty Vehicles SemiTrailers	Date 4/1/2014 4/1/2014 4/1/2014 4/1/2014		
	3 Scop Bo	Motorcycle	4/1/2014		
	Scall Da		le Licenses		
	1				
		<u>C</u> lose			

After scanning the barcode the licenses that are assigned to this station will be displayed.

9 User Licenses

For the Vehicle Inspection process, the authenticated user must have the appropriate license to perform a vehicle inspection.

The user license is displayed on the login screen:

TEST SYSTECH					
Required Security Level:Inspector					
User Authentication Required					
Inspector #	#: 14TB _	Licenses LD Current			
Password	J: *****	HD Current MC Current			
Password Entry Required.					
Enter Password to Proceed					
Valid License(s) Found, Inspection(s) Permitted!					
Select Continue (alt/c) or Enter to proceed <u>Continue</u> C <u>a</u> ncel					

Note the licenses displayed for the user:

The user depicted below, may only perform Light Duty Vehicle inspections (LD).

Licenses				
LD	Current			
HD [None			
MC [None			

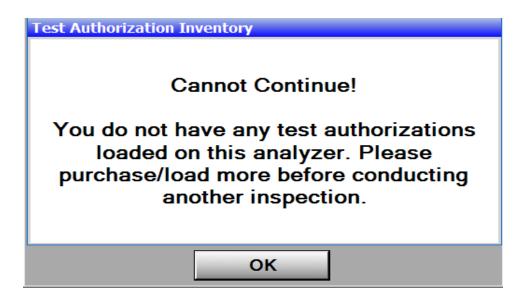
A user with the following licenses may perform Light Duty, Heavy Duty, and Motorcycle inspections:

Licenses			
LD	Current		
HD	Current		
MC	Current		

NOTE: If the user does not have a valid license for the type of inspection needing to be performed, the inspector will not be able to proceed with the inspection.

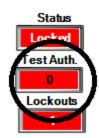


Note: In order to complete a vehicle inspection, the analyzer must have test authorizations available. If there are no test authorizations available in the analyzer the following message will be displayed during the inspection process.



Test Authorization Status is indicated on the 'Main Menu' on the left side of the screen.

Timeout		State Vehic	of New York Inspection Program	Version 14.04.06 5/29/2014 4:45:36 PM	S <u>ystech</u>
Printer Status READY		Main	Menu	4	
POWER SAVE Toner: 70% Drum: 97.82%	000	1. Vehicle Ir	nspection Menu	(1)	Z
Sticker Inventory Safety 80 Safety/Emission 19 Diesel Emission 80 Heavy Duty 6	*	2. Utili	ties Menu	B	×.
Motorcycle 79 Status Locked	R	3. Station/	Facility Menu		C R
Test Auth.		4. State//	Auditor Menu	8	X
0 Next Cal Now Scan Int.	N.F.	5. Syst	tech Menu	6	⊳
15m Current Ver. Yes	Ċ	6. Shutdo	wn Functions	6	Π
		Main Menu	Help		



To load test authorizations select **3.Station/Facility Menu** from the **Main Menu**.

A login prompt will appear. Scan badge then enter password and press Continue to move forward. Only a manager will be allowed access this menu.

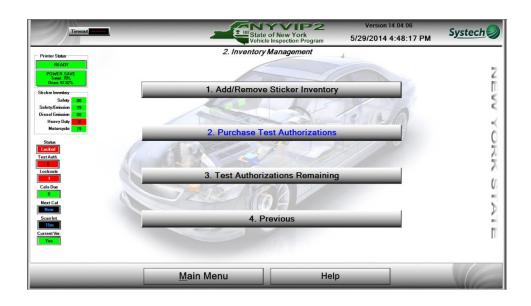
	TEST SYSTECH		
Required Security Level:M	anager		
L I	Jser Authentication Re		
	User ID: 14TA	- LD	Licenses Current
🛛 🛄 Ра	ssword: *****	HD	Current Current
	Password Entry Requ	ired.	
Valid Li	cense(s) Found, Inspect	ion(s) Permitted!	
	t Continue (alt/c) or Enter Continue	r to proceed ancel	

* An ACH account must be established to purchase/auto reorder test authorizations from the analyzer. An ACH account can be setup or Test Authorizations can be purchased using a credit card on the Opus website at <u>www.NYVIP.org</u>



Select 2. Inventory Management.

Select 2. Purchase Test Authorizations



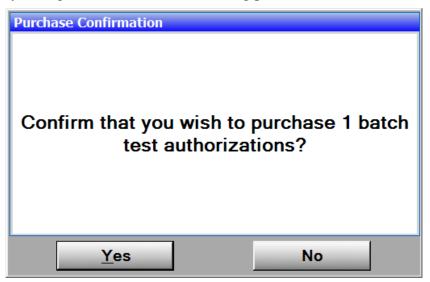
From the Test Authorization Order Form the user can order up to 25 batches of authorizations or set-up reoccurring orders at a set period and amount of batches.

Timeout	State Vehicle	of New York Inspection Program	Version 14.04.06 5/29/2014 4:48:58 PM	S <u>ystech</u>			
Test Authorization Order Form							
1 Batch = 20 Authorizations. Maximum 25 Batches/Day Current Authorization: 0							
Order Test Authorization			Setup Auto Reordering				
Select Number of Batch(es), then press Continue		Check Auto Reorder to er	nable automatic reorder of test authoriz	ration			
Number of Batch(es): 1 0 1 2 3	• •	I Auto Reorder	Reorder quantity in Batch(es): C Day of Month C Threshold (By Individual)	1 • 0 • 18 •			
New authorizati	ons will app	oear after ne	xt data refresh				
<u>C</u> ontinue	<u>C</u> ar	ncel	Help				

Order Test Authorizations

To order more authorizations select the quantity to be ordered from **Number of batch(es):** field. Select **'Continue.'**

A prompt will display asking to confirm the amount being purchased. Select 'Yes'.



The following prompt will display verifying the quantity to be purchased.

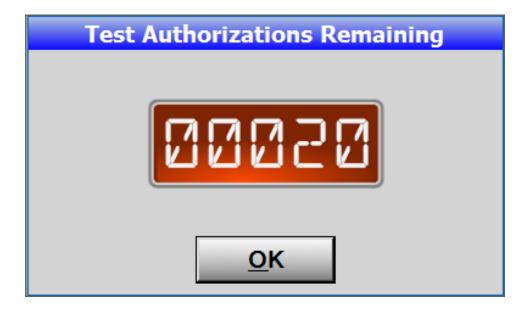


After purchasing authorizations a yes or no prompt will be displayed. Select **'Yes'** to print a receipt or **'No'** to return to **2. Inventory Management**.

The Test Authorization quantity purchased will be displayed on the left side of the menu.



The remaining quantity of authorizations can also be verified by selecting **3**. **Test Authorizations Remaining.**



Select 'OK' to return to 2.Inventory Management.

Setup Auto Reordering

There are two options for Auto Reordering test authorizations.

- 1. **Day of Month** This option allows the user to select the day of the month to automatically receive the reorder quantity to be added to the analyzer.
- 2. **Threshold (By Individual)** This option prevents the analyzer from going below the specified number of test authorizations. Select the reorder quantity of test authorizations to be purchased when the specified threshold has been met they will be loaded to the analyzer.

Setup Auto Reordering		Setup Auto Reordering		
Check Auto Reorder to enable automatic reorder of test authorization		Check Auto Reorder to enable automatic reorder of test authorization		
Auto Reorder	Reorder quantity in Batch(es): 1	I Auto Reorder	Reorder quantity in Batch(es): 1	
	Day of Month Threshold (By Individual)		Day of Month 0 1 O Threshold (By Individual)	

If the test authorizations are not loaded, the analyzer will prompt the user to purchase and/or load the authorizations.

11 Sticker Inventory

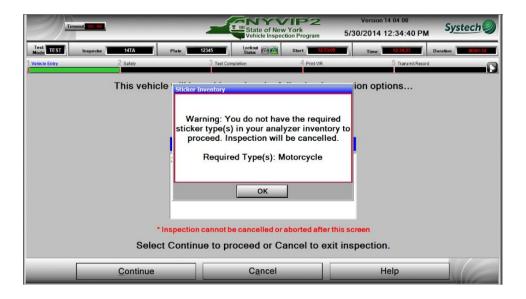
The analyzer must have the appropriate sticker type loaded in inventory to complete an inspection.

Timeout		State of New York Vehicle Inspection Program	Version 14.04.06 5/28/2014 9:40:59 AM	S <u>ystech</u>
Printer Status READY		Main Menu	4	
POWER SAVE Tome: 77.822	000	1. Vehicle Inspection Menu	a	Z
Sticker Inventory Safety 80 Safety/Emission 19 Diesel Emission 80	٠	2. Utilities Menu		
Heavy Duty Motorcycle 79 Stabas	R	3. Station/Facility Menu	a	č
Test Auth. 56 Lockorts	<u>8</u>	4. State/Auditor Menu	a	77
Cais Due O Next Cal	¥	5. Systech Menu	(0
Now Scen Int 15m Current Ver	<u>_</u>	6. Shutdown Functions	6	2
Yes				Į.
	Ma	ain Menu Hel		VE

Sticker Inventory Status is indicated on the left side of the screen:

Sticker Inventory			
Safety	80		
Safety/Emission	18		
Diesel Emission	80		
Heavy Duty	0		
Motorcycle	79		

If the appropriate sticker is not loaded for the inspection type, the inspection will proceed until the Inspection Type screen which will display the following message and the inspection will be aborted.



Accessing Add/Remove Sticker Inventory Screen

From the Main Menu, select 3. Station/Facility Menu. Manager access is needed to access this menu.

Timest		State of New York Vehicle Inspection Progra		Systech 🥥
Printer Status		Main Menu	4	
READY POWER SAVE Tome: 70% Dram: 97.82%	<u></u>	1. Vehicle Inspection Mer	nu 📾	Z
Sticker Inventory Safety 80 Safety/Emission 19	*	2. Utilities Menu		E E
Diesel Emission 80 Heavy Duty 0 Motorcycle 79	/	3. Station/Facility Menu		R
Status Risady Test Auth,	P.			2
Lockouts		4. State/Auditor Menu		X
Cala Duo 0 Next Cal	×	5. Systech Menu	(0
Now Scan Int. 15m	Ċ	6. Shutdown Functions	m	2
Current Ver.				Π
	Mo	in Menu	Help	

A login prompt will be displayed. Scan Inspector License or select user name from the menu. Enter Password and select **'Continue.'**

	TEST SYSTECH	
Required Security Level:	Manager	
F	User Authentication Required User ID: 14TA • Password: ***** Password Entry Required.	Licenses LD Current HD Current MC Current
Valid L	_icense(s) Found, Inspection(s) Permitt	ed!
Sele	ct Continue (alt/c) or Enter to proceed <u>Continue</u> <u>Cancel</u>	

Select 2. Inventory Management, then 1. Add/Remove Sticker Inventory.



Timcout	State of New York Vehicle Inspection Prog	Version 14.04.06 gram 5/28/2014 9:44:48 AM	S <u>ystech</u>
Printer Status	2. Inventory Management		
READY POWER SAVE Tome: 78 Dome: 97.822			Z
Sticker Inventory	1. Add/Remove Sticker Inv	rentory	П
Safety 80 Safety/Emission 19 Diesel Emission 80 Heavy Duty 0	AS A	Conto	~ ~
Motorcycle 79	2. Purchase Test Authoriz	ations	0
Stabs Resety TestAuth. 56		77//	
Lockouts	3. Test Authorizations Rem	naining	
Cala Due 0 Near Cal			
Scen Int.	4. Previous		2
Current Ver			Π
	Main Menu	Help	

The Add/Remove Sticker Inventory Screen

Select the sticker type from the 'Type' menu

Timeout		2	State of New Vehicle Inspec	York tion Program	Version 14.04.06 5/28/2014 9:48:05	AM Systech
Ac	ld new or remove/mod	fy existing sticker	inventory ranges		Purchased Inventory - Safe	ty/Emission
Starting #	Ending #	Count	Status		Starting Number	Ending Number
1145242	1145260	19	Active	-	1204201 4932401	1204240 4932501
Status	Type Safety/Emission	Year	Starting #	Ending # (may be modified		commit
<u>V</u> iew All	Diesel Emission Heavy Duty Safety/Emission Motorcycle Safety	19 1145242 1145241				
To add ne To Void a single sti	w stickers: Select Type an	e void reason from the bers are the same (e	status list then enter S g. 100 to 100). For mull	start and End numb iple stickers enter l	er(s) of voided sticker(s). Fo he starting and ending numb	ra ers
		<u>C</u> lose		Help		

On the top left of the screen all active/loaded books will be displayed for the sticker type selected. The status **'Active'** indicates the sticker book that is in use.

Timeout 10000			State of New Vehicle Inspec	York tion Program	Version 14.04.06 5/28/2014 9:50:06	AM Systech
Add	new or remove/modify	existing sticke	r inventory ranges	P	urchased Inventory - Safe	ty/Emission
Starting #	Ending #	Count	Status		Starting Number	Ending Number
145242	1145260	19	Active		1204201 4932401	1204240 4932501
Status Dad S	Type Safety/Emission	Year 2015 • 19	Starting #	Ending # (may be modified)	Total	ommit
View All	Next Expected Sticker: Last Sticker Used:	1145242 1145241				
To Void an single stick	r stickers: Select Type and Y existing sticker select the vo ker the Start and End number e. You can only void stickers	id reason from the same (e	e status list then enter S q. 100 to 100), Formulti	tart and End number	(s) of voided sticker(s). Fo starting and ending numb	r a ers
		Close		Help		

On the top right of the screen is Purchased Inventory. This displays the sticker ranges that are available to be loaded per the DMV database.

Timeout		2	State of New Vehicle Inspect	York York	Version 14.04.06 5/28/2014 9:50:06	AM Systech
A	dd new or remove/modify		Purchased Inventory - Safe	tv/Emission		
Starting #	Ending #	Count	Status		Starting Number	Ending Number
1145242	1145260	19	Active	-	1204201 4932401	1204240 4932501
Status	Type Safety/Emission ▼	Year	Starting #	Ending # (may be modified)	Total	C <u>o</u> mmit
	Total Sticker(s) Remaining Next Expected Sticker Last Sticker Used	1145242	3			
To Voida single st	ew stickers: Select Type and Y an existing sticker select the v icker the Start and End numbe	'ear, then enter or s pid reason from the rs are the same (ec	status list then enter S g. 100 to 100), For multi	lart and End numbe	r(s) of voided sticker(s). Fo	ra
for the rai	nge. You can only void sticker	sthat have previou <u>C</u> lose	sly been loaded onto th	is analyzer. Help		

To view the status of the selected sticker type, select 'View All'

Add	new or remove/modify	Purchased Inventory - Safety/Emission				
Starting #	Starting # Ending #		Status		Starting Number	Ending Number 1204240
145242	1145260	19	Active	*	4932401	4932501
Status Dad •	Type Safety/Emission	Year 2015 -	Starting #	Ending # (may be modified)	Total	C <u>o</u> mmit
1.1	Total Sticker(s) Remaining:	19		<u>.</u>		
Tiew All	Next Expected Sticker: Last Sticker Used:	1145242 1145241				
ToVoidan	slickers: Select Type and Y existing sticker select the vo er the Start and End number	id reason from the	status list then enter S	tart and End numbe ple stickers enter th		

Timcout	. 00		State of New Vehicle Inspec	York tion Program	Version 14.04.06 5/28/2014 9:52:2	Systech
Ac	ld new or remove/modify	existing sticker ir	ventory ranges		Purchased Inventory - Sa	foty/Emission
Starting #	Ending #	Count	Status		Starting Number	
1145242	1145260	19	Active	-	1204201 4932401	1204240 4932501
Status Load ·	Туре Safety/Emission •	Year 2015 -	Starting #	Ending # (may be modified		C <u>o</u> mmit
Hide All	Total Sticker(s) Remaining. Next Expected Sticker: Last Sticker Used:	19 1145242 1145241				
Added Sta	rting Ending Sto	okType Status	Added By			_
		cker Active cker Used	14TA 14TA)		
		<u>C</u> lose		Help		

To load stickers

Select 'Load' from the Status menu.

Timeout		~	State of New Vehicle Inspect	York York ion Program	Version 14.04.06 5/28/2014 9:53:50	AM Systech
Ad	d new or remove/modify	existing sticker	inventory ranges		Purchased Inventory - Safe	ly/Emission
Starting #	Ending #	Count	Status		Starting Number	Ending Number
1145242	1145260	19	Active	*	1204201 4932401	1204240 4932501
Status	Type Safety/Emission	Year 2015 •	Starting #	Ending # (may be modified	Total	commit
Load	Salety/Emission	2015				<u>o</u> mm
Damaged Stolen Returned	Total Sticker(s) Remaining: Next Expected Sticker: Last Sticker Used:	19 1145242 1145241				
To Void a	w stickers: Select Type and Y n existing sticker select the vo ker the Start and End number ge. You can only void stickers	id reason from the s are the same (eq	status list then enter S , 100 to 100), For multi	art and End numb	er(s) of voided sticker(s). Fo he starting and ending numb	ra efs
		Close		Help	1	

Select the sticker type from the $\ensuremath{\mbox{Type}}$ menu

Status Type Year Statring # Ending # Total oad Safety/Emission 2015 2015 Commit Diesel Emission 19 1145242 1145242	Starting #	new or remove/modi Ending #	Purchased Inventory - Safety/Emission Starting Number Ending Number				
Status Type Year Starting # Ending # oad • Safety/Emission 2015 • Commit Diesel Emission 19 1145242 • Commit View All Safety/Emission 1145242 • • • To add new slickers: Select Type and Year, then enter or scan Start and End serial numbers. • To Void an existing slickers: solect the void reason from the status list then enter Start and End number(s) of voided sticker(s). For a single slicker the Start and End numbers are the same (eq. 1000 100). For multiple slickers enter the starting and ending numbers		191	Count	Status		1204201	1204240
Status Type Tead Statuing # (maybe modified Total oad Safety/Emission 2015 Commit Commit Diesel Emission Heavy Duty Safety/Emission 19 1145242 1145242 View All Motorcycle Safety/Emission 1145242 1145241 To add new slickers: Select Type and Year, then enter or scan Start and End serial numbers. To Voidan existing sticker solect the void reason from the status list then enter Start and End number(s) of voided sticker(s). For a single sticker the Start and End numbers are the same (eq. 1000 100). For multiple stickers enter the starting and ending numbers				Active	-		
Status Type Tead Statuing # (maybe modified Total oad Safety/Emission 2015 Commit Commit Diesel Emission Heavy Duty Safety/Emission 19 1145242 1145242 View All Motorcycle Safety/Emission 1145242 1145241 To add new slickers: Select Type and Year, then enter or scan Start and End serial numbers. To Voidan existing sticker solect the void reason from the status list then enter Start and End number(s) of voided sticker(s). For a single sticker the Start and End numbers are the same (eq. 1000 100). For multiple stickers enter the starting and ending numbers							
oad Safety/Emission 2015 Commit Diesel Emission Heavy Duty Safety/Emission Motorcycle 19 1145242 Uiew All Motorcycle 1145242 To add new slickers: Select Type and Year, then enter or scan Start and End serial numbers. To voidan existing sticker solect the void reason from the status list then enter Start and End number(s) of voided sticker(s). For a single sticker the Start and End number same (eq. 1000 100). For multiple stickers enter the starting and ending numbers	Status	Туре	Year	Starting #		Total	
Heavy Duty 19 Safety/Emission 1145242 Motorcycle 1145241 Safety 1145241 To add new slickers: Select Type and Year, then enter or scan Start and End serial numbers. To Voidan existing sticker solect the void reason from the status list then enter Start and End number(s) of voided sticker(s). For a single sticker the Start and End numbers are the same (eq. 1000 100). For multiple stickers enter the starting and ending numbers	oad - S	Safety/Emission	- 2015 -			C	ommit
View All Dealy Daty Safety/Emission Motorcycle Safety 1145242 1145241 To add new slickers: Select Type and Year, then enter or scan Start and End serial numbers. To Voidan existing slicker solect the void reason from the status list then enter Start and End number(s) of voided slicker(s). For a single slicker the Start and End numbers are the same (eq. 1000 100). For multiple slickers enter the starting and ending numbers		viesel Emission			á l		
View All Did to rcycle 1145241 To add new slickers: Select Type and Year, then enter or scan Start and End serial numbers. To add new slickers: Select Type and Year, then enter or scan Start and End serial numbers. To void an existing sticker select the void reason from the status list then enter Start and End number(s) of voided sticker(s). For a single sticker the Start and End numbers are the same (eq. 1000 100). For multiple stickers enter the starting and ending numbers	ŀ	leavy Duty	19				
Yew All Motor cycle Safety Safety To add new slickers: Select Type and Year, then enter or scan Start and End serial numbers. To Voidan existing sticker solect the void reason from the status list then enter Start and End number(s) of voided sticker(s). For a single sticker the Start and End numbers are the same (eq. 1001) rol 700, ippe stickers enter the starting and ending numbers	S	Safety/Emission					
To add new slickers: Select Type and Year, then enter or scan Start and End serial numbers. To Voida musting slicker select the void reason from the status list then enter Start and End number(s) of voided slicker(s). For a single slicker the Start and End numbers are the same (eq. 1001 o 100, For multiple slickers enter the starting and ending numbers	View All	lotorcycle	1145241				
To Void an existing sticker select the void reason from the status list then enter Start and End number(s) of voided sticker(s). For a single sticker the Start and End numbers are the same (eq. 100 to 100). For multiple stickers enter the starting and ending numbers	S	Safety					
	To Void an single stick	existing sticker select the ker the Start and End num	e void reason from the bers are the same (eq	status list then enter S 1, 100 to 100). For multi	art and End numbe ple slickers enter th	r(s) of voided sticker(s). Fo e starting and ending numb	ra ers

Select the year from the **Year** menu.

Timeout		s de la constante de la consta	State o Vehicle	f New York nspection Program	Version 1 5/28/2014		S <u>ystech</u>
Ad	d new or remove/modify	existing sticker i	nventory rang	jes	Purchased Invent	ory - Safety/Emis	sion
Starting #	Ending #	Count	Sta	tus	Starting Nu		ding Number
1145242	1145260	19	Active	-	1204201 4932401		4240 2501
Status Load •	Type Safety/Emission •	Year 2015 •	Starting #	Ending # (may be modified)	Total	Comn	nit
<u>V</u> iew All	Total Sticker(s) Remaining: Next Expected Sticker: Last Sticker Used:	2015 2016 1145242 1145241					
To Void a single stic	w slickers: Select Type and Y n existing slicker select the vo cker the Start and End number ge. You can only void slickers	id reason from the s s are the same (eq.	tatus list then e 100 to 100). Fo	nter Start and End numbe r multiple stickers enter t	er(s) of voided stick te starting and end	ter(s). For a ling numbers	
		Close		Help		_	VE

In the **Starting #** field scan or manually enter the first sticker in the book to be loaded. Verify the sticker range being loaded.

Timeout	•		State of N Vehicle Insp	ew York Dection Program	Version 14.04 5/28/2014 9:56	Systech
Ad	d new or remove/modify	existing stick	er inventory ranges		Purchased Inventory - S	Safety/Emission
Starting #	Ending #	Count	Status		Starting Number	
1145242	1145260	19	Active	-	1204201 4932401	1204240 4932501
Status oad -	_{Type} Safety/Emission ▼	Year 2015 -	Starting # 1204201	Ending # (may be modified 1204220	Total	Commit
	Total Sticker(s) Remaining:	19				
	Next Expected Sticker:	1145242				
View All	Last Sticker Used:	1145241				
To Void ar single stic	w stickers: Select Type and Y n existing sticker select the vo sker the Start and End number ge. You can only void stickers	oid reason from is are the same	the status list then ente (eq. 100 to 100). For m	er Start and End numb ultiple slickers enter t		
		Close		Help		

Select 'Commit.'

Timeout (1) 0			State of Vehicle In	New York spection Program	Version 14.04.06 5/28/2014 9:56:1	Systech
Add	new or remove/modify	existing stick	er inventory range	S	Purchased Inventory - Saf	ety/Emission
Starting #	Ending #	Count	Statu	IS	Starting Number	Ending Number
1145242	1145260	19	Active	-	+ 1204201 4932401	1204240 4932501
Status oad •	Type Safety/Emission	Year 2015 •	Starting #	Ending # (may be modified) 1204220	Total	Commit
	Total Sticker(s) Remaining:	19				
View All	Next Expected Sticker: Last Sticker Used:	1145242 1145241	_			
To Void an single stick	slickers: Select Type and Y existing sticker select the vo er the Start and End number e. You can only void stickers	id reason from s are the same	the status list then en (eq. 100 to 100), For	ter Start and End numb multiple stickers enter t	er(s) of voided sticker(s). F he starting and ending num	or a bers
		<u>C</u> lose		Help		

The following message will be displayed. Select 'Continue.'

Sticker Inventory
Attention!
You are attempting to load new stickers. If
you continue the expected sticker will still
be
<1145242>
If this is correct select Continue or select
Cancel and void the current active row
prior to loading the new sticker roll.
Continue Cancel

To Remove/Void Stickers

Select 'Damaged' or 'Stolen' from Status menu.

Timeout	•	~	State of N Vehicle Insp	VIP2 ew York ection Program	Version 14.04.06 5/28/2014 9:59:49	AM Systech
Ad	d new or remove/modify	existing sticker	inventory ranges		Purchased Inventory - Safe	ety/Emission
Starting #	Ending #	Count	Status		Starting Number	Ending Number
1145242	1145260	19	Active	-	1204201 4932401	1204240 4932501
1204201	1204220	20	Load	-		
Load	Type Safety/Emission Total Sticker(s) Remaining:	Year 2015 •	Starting #	(may be modified)	Total (Commit
Damaged Stolen	Next Expected Sticker:	1145242				
Returned Surrendered	Last Sticker Used:	1145241				
To Void an single stic	w slickers; Select Type and Y n existing sticker select the vo :ker the Start and End number ge. You can only void stickers	id reason from the same (eq	status list then ente 100 to 100), Form	r Start and End numbe ultiple stickers enter th	r(s) of voided sticker(s). File starting and ending num	or a bers
		Close		Help		

Select the sticker type from the **Type** menu.

	new or remove/mod				Purchased Inventory - Safe	
Starting #	Ending #	Count	Status		Starting Number 1204201	Ending Number 1204240
1145242	1145260	19	Active	-	4932401	4932501
1204201	1204220	20	Load	-		
Status	Туре	Year	Starting #	Ending # (may be modified)	Total	
amaged · 🗧	Safety/Emission	• 2015 •			C	ommit
C	Diesel Emission					
	leavy Duty	39				
S	Safety/Emission	1145242				
View All	lotorcycle	1145241				
S	Safety					
ToVoidan	ker the Start and End num	e void reason from the bers are the same (ee	status list then enter S	tart and End numbe ple slickers enter th	r(s) of voided sticker(s). Fo e starting and ending numb	r a ers

Select the year from the **Year** menu.

Timeout 100.0		2	State of New Vehicle Inspec	Y York tion Program	Version 14.04.06 5/28/2014 10:00:5	8 AM Systech	
Add new or remove/modify existing sticker inventory ranges					Purchased Inventory - Safety/Emission		
Starting #	Ending #	Count	Status		Starting Number	Ending Number	
145242	1145260	19	Active	-	4932401	4932501	
1204201	1204220	20	Load	-			
<u>View All</u>	Total Sticker(s) Remaining Next Expected Sticker Last Sticker Used	1145242					
To Void an single stick	stickers: Select Type and existing sticker select the v er the Start and End numbe e. You can only void stickel	oid reason from the rs are the same (e	e status list then enter 5 q. 100 to 100). For mul	Start and End numbe liple stickers enter th	r(s) of voided sticker(s). Fo e starting and ending numb	or a vers	
		Close		Help			

In the **Starting #** field scan or manually enter the first sticker in the range to be voided.

Starting # 1145242 1		existing stick Count 19 20	Cer inventory ranges Status Active	-	Purchased Inventory-Safet Starting Number 4932401	y/Emission Ending Number 4932501
1145242 1	145260	19	Active	-		
		1.20		-	▶ 4932401	4932501
1204201 1	204220	20	Load			
	Type ety/Emission al Sticker(s) Remaining Next Expected Sticker Last Sticker Used	1145242	Starting #	Ending # (may be modified 1145242		ommit
To add new slic	ckers: Select Type and T sting sticker select the v he Start and End numbe ou can only void sticker	oid reason from I	the status list then ente (eq. 100 to 100). For m	Start and End numb	er(s) of voided sticker(s). Fo he starting and ending numb	ra ers

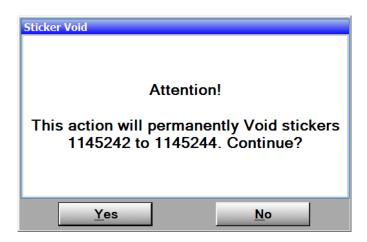
In the **Ending #** field scan or manually enter the last sticker of the range to be voided. Verify the sticker range being voided.

Timeout 00 0		2	State of Vehicle	f New York Inspection Program	5	Version 14.04.06 /28/2014 10:04:12	2 AM Systech	
Add new or remove/modify existing sticker inventory ranges					Pure	Purchased Inventory - Safety/Emission		
Starting #	Ending #	Count	Sta	tus		Starting Number	Ending Number	
1145242	1145260	19	Active	-	-	4932401	4932501	
1204201	1204220	20	Load	-				
J	Total Sticker(s) Remaining	0	1145242	(may be more 1145244		3 0	C <u>o</u> mmit	
	Total Sticker(s) Remaining: Next Expected Sticker:	39 1145242						
	Last Sticker Used:	1145241						
To Void an single stick	slickers: Select Type and Y existing sticker select the vi- er the Start and End number e. You can only void stickers	bid reason from	the status list then (eq. 100 to 100), F	enter Start and End nu or multiple stickers en	mber(s) ter the st	of voided sticker(s). Fo arting and ending numb	r a ers	
		Close		Н	elp			

Select 'Commit'

Timeout		2	State of N Vehicle Ins	ew York	Version 14.04.06 5/28/2014 10:04:1	2 AM Systech
Ad	d new or remove/modify	existing stick	cer inventory ranges		Purchased Inventory - Safe	ty/Emission
Starting #	Ending #	Count	Status		Starting Number	Ending Number
1145242	1145260	19	Active	-	4932401	4932501
1204201	1204220	20	Load	-		
Status Damaged	Type Safety/Emission Total Slicker(s) Remaining	Year 2015 •	Starting # 1145242	(may be modified 1145244		Commit
	Total Sticker(s) Remaining	102				
	Next Expected Sticker Last Sticker Used	1145242				
View All	Last Sticker Used.	1143241				
To Voida	w stickers: Select Type and Y n existing sticker select the v ker the Start and End numbe ge. You can only void sticker	oid reason from	the status list then ente	er Start and End numb	er(s) of voided sticker(s). Fo he starting and ending numb	or a Ders
_		<u>C</u> lose		Help		

The following message will be displayed. Select **'Yes'** to void the entered sticker range.

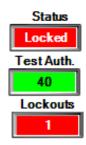


12 Lockouts

For the Vehicle Inspection process, all lockouts must be cleared.

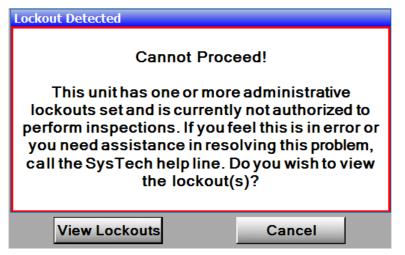
Timeout		State of New York Vehicle Inspection Program	Version 14.04.06 5/29/2014 5:02:46 PM	Systech 🥥
Printer Status READY		Main Menu	4	
POWER SAVE Tome: 70% Dnam: 97.82%	-	1. Vehicle Inspection Menu	m	2
Sticker Inventory Safety 80 Safety/Emission 19	*	2. Utilities Menu		Ę
Diesel Enission 80 Heavy Duty 0 Motorcyclo 79			191-15-76	×
Status Locked Test Auth.	R	3. Station/Facility Menu		U X
40 Lockouts Cais Due		4. State/Auditor Menu	6	N U
Next Cal	×	5. Systech Menu	1	ΤA
Scan let. 19m Current Ver. Yes	Ċ	6. Shutdown Functions	()	я П
		AVC		
-	Ma	in Menu Helj	D	

Lockout Status is indicated on the left side of the screen.



Lockout Status Display

After login the following message will be displayed if there are any lockouts preventing an inspection from starting.



To view lockouts select 'View Lockouts'

And the second sec	Lockouts			100 C	
Sele	nge Expiration Interval:	Appl	Prohibited All	OBD N/A N/A N/A N/A N/A	
	2		Current		
	Lockout is C	Clear L e	Lockout Type	Status	
	Locked Out	9	Calibration	Clear	
	O Lockout Exp		Administrative	Leshad	
	Privilege Levet	SR d	Administrative	Locked	
11					
Status	Expiration	Duration	Lockout Name		
100	Expiration Does Not Expire	Duration 0	Lockout Name * Inspector License Expired	Enable Overrides	
1	Does Not Expire	0	Inspector License Expirec		
	Does Not Expire	0 0	Inspector License Expirec	Clear Calibrations	
	Does Not Expire	0	Inspector License Expirec		
	Does Not Expire	0 0	Inspector License Expirec	Clear Calibrations	
	Does Not Expire Does Not Expire Does Not Expire	0 0 0	Inspector License Expires Inspector License Susper No Contact	Clear Calibrations Toggle Selected	
	Does Not Expire Does Not Expire Does Not Expire Does Not Expire	0 0 0 0	Inspector Liconse Expirer Inspector Liconse Susper No Contact NYVIP2 Connector Suspe	Clear Calibrations Toggle Selected Unlock All	

To view active lockouts from the Main Menu select 2. Utilities, 2. View lockouts.

There is a list of lockouts on the bottom left. The active lockout will be highlighted in **RED** After viewing the lockouts, the inspection will be aborted. All lockouts displayed must be cleared in order to begin the inspection process again.

Administrative Lockout for No Contact – occurs when a station has two offline inspections that have not been transmitted to the VID.

Verify a successful communication by selecting **2**. Utilities, **5**. Communications, **4**. Check VID Communications



Select **'Test'** at the bottom of the page. This function will check to see if VID communications is successful. After the test is completed a message will display whether the communication fails or is successful.

Timeout		State of New York Vehicle Inspection Progra		Systech
		VID Communications Check		
	Stats Internet: O Assigned VID; https://wr Last Contact: 5/29/20	14 5:13:31 PM	Service Timeout 30 Secs Test Type: Loop-Back Analyzer # SY00000003	
	To verify conne	ectivity with the vehicle information databate VID Contact Succeeded	ase (VID) select Test	
	Common Causes of Faled Comm 1) Local routler is blocking inc 2) Ethernet cable is loase or 3) Assigned VID address is in 4) Invalid credentials 5) Intin tor legistered on VID 6) Unit not registered on VID 7) VID is down Addition InfoTcres	aming traffic disconnected	us 2 - Undetermined Failed Success	
	No errors	Select Close to Exit Comm Test		
	Test	<u>C</u> lose	Help	

If unsuccessful, troubleshoot for communication issues.

Timeout 00,00		State of New Vehicle Inspec	York tion Program	Version 14.04.06 5/29/2014 5:14:14	Systech
		VID Communication	s Check		
	Stats Internet: O Assigned VID https:// Last Contact: 5/29/2		Test	ce Timecaut: 30 Secs Type: Loop-Back (J zer #: SY00000003	
	To verify con	nectivity with the vehicle informa VID Contact Faile	•	ID) select Test	
	Common Causes of Failed Co 1) Local router is blocking in 2) Ethernet cable is loose (3) Assigned VID address is 4) Invalid credentials 5) Internet is down 6) Unit not registered on VII 7) VID is down	ncoming traffic or disconnected incorrect	Inication Status	Vindetermined Failed Success	
	Addition InfoErrors Communication atter contact the VID, and w	ptfailed. VID has been disabled to speed u il re-enable communications when success Select Close to Exit Com	ıl.	will continue to attempt to	
	Test	Close		Help	

Once communication is successful any untransmitted inspection records must be sent to the VID.

Re-send records to VID

Select **3. Station/Facility Menu**, scan Inspector License and enter password, then select **5. Re-Send Records to VID**

Timeout	State	of New York Inspection Program	Version 14.04.06 5/29/2014 5:17:17 PM	S <u>ystech</u>
Printer Status READY		Facility Menu	1	
POWER SAVE Torse: 702 Dram: 97.82%	🌣 1. Utili	ties Menu	a	2 T
Sticker Inventory Safety 80 Safety/Emission 19 Dissel Emission 20	2. Inventory	/ Management		Ę
Heavy Duty 1 Motorcycle 79			INE STR	ž
Status Locked Test Auth.	3. View/Add Re	gistered Inspectors		ž
40 Lockouts	4. T	raining		X
Cals Due	5. Re-Send F	Record(s) to VID		-
Now Scen Int 15m		nУ		2
Current Ver.	6. P	revious		Π
	<u>M</u> ain Menu	Help		

Change the starting date to the day before the first untransmitted inspection was performed by selecting the date in the **Select Start Date** field.

Timeout (0, a)		Sta	ate of New	York tion Program	-	S <u>ystech</u>
	d		hen double	k Send. For click on reco roverexisting Vi	AC-2000	0
	Select Start Date Select End Date Select Record Type Current Record Queue Record Selection Mode Status Untransmitted Records	Tuesday May, 2 Sun Mon Tue We 27 28 29 30 4 5 6 7 13 14 18 19 20 21 25 62 27 28 1 2 3 4 5 6 7 7	2014 1 1 2 8 9 1 15 16 22 23 3 29 30 5 6	2014 Sat 3 be resen 10 17 24 31 7	v with selected parameters	
	Estimated Ti Records	Current 11me: me (Seconds): Still In Queue:	"Note: Any coisting entrities in the transmit queue will be added to your resend count.			
	Send	C	Close		Help	

Change the ending date to when last inspection was performed by selecting the date in **Select End Date** field.

NOTE: This is especially important for stations on dial up.

Select 'Send'. This may take some time on dial up.

Timeout 00.00	-	State of New York Vehicle Inspection Program	Version 14.04.06 5/29/2014 5:18:53 PM	S <u>ystech</u>
Tores	end records to the VID sele	Resend Records act a start and end date and click Send. For a date, select View, then double click on record	single record, select start and end	0
	Target VID:	To change VID setting type directly over existing Vid a https://unitws.nyvip.org/NYVIP	and Save	
	Select Slart Date: Select End Date: Select Record Type:	Thursday , May 29, 2014	•	
	Current Record Queue: Record Selection Mode: Status:	Multiple	View Queued Records	
	Untransmitted Records.	None Slart Time: Current Time: ime (Seconds):	*Note: Any existing entries in the transmit queue will be added to	
	Records	inne (Seconds): s Still In Queue: 0 lect <send> to re-transmit queued records to</send>	your resend count.	
S	end	Close	Help	

Once the operation is complete initiate an inspection to clear the lockout.

Timcout 00.00		State of New York Vehicle Inspection Program	Version 14.04.06 5/29/2014 5:20:26 PM	S <u>ystech</u>
		Resend Records clastart and end date and click Send. For as late, select View, then double click on record.		
	Target VID:	To change VID setting type directly over existing Vid ar https://unitws.nyvip.org/NYVIP	and Save	
	Current Record Queue.	Tuosday , May 27, 2014 Thursday , May 29, 2014 Inventory · 4 << Number of records that will be resent w	vith selected parameters	
	Record Selection Mode: Status: Untransmitted Records.	Multiple Idle None	View Queued Records	
	Estimated Ti Records	Start Time: 5/29/2014 5:20:03 PM Current Timo: me (Seconds): 0 Still In Queue: 0 ect <send> to re-transmit queued records to</send>	*Note: Any existing entries in the transmit queue will be added to your resend count.	
		Operation Complete!		
	Send	Close	Help	

Administrative Lockout for Test Authorizations – occurs when there are no Test Authorizations in station inventory

Timeout			2	Vehicle Inspection Progra	5/29/2014 5:23:08 PM	Systec
		tockouts ige Expiration Interval: it <u> </u>	Appl	y Enabled	All OBD N/A N/A N/A N/A N/A	
		Lockout is (t g e		Current Status ut Type Status pration: Clear trative: Locked	
	Status	Expiration	Duration	Lockout Name *		
		Does Not Expire	0	Opacity Out of Certificates	Enable Overrides	
		Does Not Expire	0	Out of Test Authorization	Clear Calibrations Loggle Selected	
	1	Does Not Expire	o	Payment Failure		
		Does Not Expire	0	Printer Malfunction	Lock All	
		Does Not Expire	0	QA/State Lockout +		

To purchase Test Authorizations go to <u>www.NYVIP.org</u> or purchase from Inventory Management on the analyzer (see Section 10 Test Authorizations)

Once purchase is complete, perform a full data file refresh.

Initiate an inspection to clear the lockout.

Administrative Lockout for State Messages – occurs when there are unread state messages.

Initiate an inspection. If there are any unread state messages they will be displayed after the refresh. Select Continue to view messages. All state messages need to be read to clear the lockout.

DLC Lockout/NYVIP2 Connector Suspension Lockout– occurs when the OBDII is not able to communicate.

Timcout 10.00		2	Version 14 04 06 State of New York Vehicle Inspection Program 5/29/2014 5:24:06 PM	S <u>ystech</u>
System Char Selec	ge Expiration Interval:	Appl	y Enobled N/A N/A N/A	
	Lockout is Cla Locked Out Lockout Expi Privilege Levet	e g e red n	Current Status Lockout Type Status Calibration: Clear Administrative: Clear Locked	
Status	Expiration	Duration	Lockout Name	
	Does Not Expire Does Not Expire	0	Inspector License Expirec Enable Overrides Inspector License Susper Clear Calibrations	
8	Does Not Expire	0	No Contact	
	Does Not Expire	0	NYVIP2 Connector Suspe	
<u>í</u>	Does Not Expire	0	OBD Check	
. 🕋	Does Not Expire	0	Opacity -	
			<u>o</u> k	

From the Main Menu select 1. Vehicle Inspection Menu, 4. Clear DLC connector lockout

Scan an Inspector License and enter password.

A vehicle must be able to communicate with the OBD to clear this lockout.

Connect OBDII to vehicle and start the vehicle.

Timeout 2:27		Stat	e of New York le Inspection Program	Version 14.04.06 5/29/2014 5:25:03 PM	Systech
Printer Status		1. Vehicle In	spection Menu	4	
READY					
POWER SAVE Tomer, 70% Dram: 97.82%					2
	omo	1. Safet	y/Emissions		
Sticker Inventory				6	E.
Safety 80 Safety/Emission 19			115		5
Diesel Emission 80	EL.	2 1/1	R Reprint	1	1.0%
Heavy Duty 0 Motorcycle 79	È	2. 11	R Reprint		
Motorcycle 79					0
Status		a start	Ter		2
Locked TestAuth		3. Administr	ative Exemption	(m)	7
40					2
Lockouts	AN STA	A REAL PROPERTY OF			r
	A DESCRIPTION OF				ť
Cals Due		4. Clear DLC (Connector Lockout	(0
Next Cal					
Now			Sw (P
Scan Int					
Current Ver		5. F	Previous		E 1
Yes			-51		10
		ala Manu	Lista		
the second se	<u>M</u>	ain Menu	Help		

Select 'Test'

When the lockout is cleared the status will change to 'Clear.'

Timeout 00		State of New York Vehicle Inspection Program	Version 14.04.06 5/29/2014 5:26:27 PM	S <u>ystech</u>
	OBD Link	(DLC) Connector Check/Locko	out Reset	
	This utility will check the function	nality of the OBD tool. A successful test means the to related lockouts will be cleared.	ol is in good working order and all	
	_	Lockoul Status: Clear	_	
	Test successfull! OBD t	tool is functioning correctly and any lock Select Test (alt/T) to exit check.	outs have been cleared.	
	Test	Close	Help	

If communication fails please contact Opus Inspection at 1-866-OBD-TEST (1-866-623-8378).

For all other lockouts please contact Opus Inspection at **1-866-OBD-TEST** (**1-866-623-8378**).

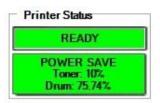
13 Printer Status

To complete a vehicle inspection the printer status must be ready.

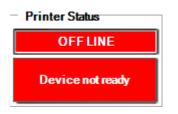
Printer Status is indicated on the top left side of the screen:

Timcout 4035		State	of New York Inspection Program	Version 14.04.06 5/29/2014 5:27:42 PM	Systech 🥥
Printer Status READY		Main	Menu	4	
POWER SAVE Tome: 77. Dram: 97.82%	000	1. Vehicle In:	spection Menu		Z I
Safety 80 Safety/Emission 19 Diesel Emission 80 Heavy Duty 8 Motorcycle 79	•	2. Utilit	ies Menu		Y Y
Status Ready Test Auth	<u>.</u>	3. Station/F	acility Menu	a	C Z
40 Lockouts 0 Cals Due		4. State/A	uditor Menu	(11)	Z U
0 Next Cal Now Scen Int	*	5. Syste	ech Menu	(\geq
15in Current Var. Yes	<u>U</u>	6. Shutdow	n Functions	(iii)	П
_	Ma	ain Menu	Help		

If the Printer Status is Green, the printer is ready to print.



If the Printer Status is **Red**, the printer is not ready to print. The lower half of the box will indicate the issue.



Printer Lockout

If an inspection is initiated and the printer is locked out the following message will be displayed and the inspection will be aborted.

Printer not ready Please correct the following conditions: Device not ready
ок

Setting Printer Status to Ready

When the printer is ready and online it should have two green lights illuminated on the top of the printer. The first light indicates power, the second shows that the printer is online.

The next two lights are error lights. If either of these is on, the printer is not ready and will cause a printer lockout.



If the printer is offline/not ready:

• Press the online button on the top of the printer.

If the printer is still offline/not ready:

- Verify that the printer USB cable is properly connected to the printer and the computer.
- \blacklozenge Verify that the power cord is properly connected to the printer and the power strip.
- \blacklozenge Verify that the printer power switch that is located on the left panel of the printer is on.
- Verify that the correct model of printer is selected as the default printer(OKIB4400).

From the Main Menu select:

- 2. Utilities
- 3. Configuration
- 3. Printer Selection

Confirm that the OKIB4400 is highlighted in both the Default and VIR Printer Fields. If they are not, highlight both and select 'Save'

If the printer is offline/not ready: Contact Opus Inspection at 1-866-OBD-TEST (1-866-623-8378).

14 Toner Replacement

Order Details

Toner Cartridges and Paper can be purchased on the Opus website at <u>www.NYVIP.org</u> or by contacting Opus Inspection at **1-866-OBD-TEST** (**1-866-623-8378**).

Series: Okidata B4400/B4500/B4600 Toner Cartridge

P/N # 43502301

When to Replace Toner Cartridge

Replace the toner cartridge after the Toner percentage indicator displays a percentage of 10 percent. This indicator is displayed on the left hand side of the Main Menu. The printer also has an LED error indicator that will begin flashing orange when the toner level is low. The printer will print approximately 100 more pages before the printer stops printing. A standard toner cartridge will print an average of 3,000 pages. This is only an average: actual results may vary.

Replacing Toner Cartridge

- Remove the old toner cartridge from the printer by pulling the blue toner release lever located on the cartridge towards the front of the printer. Then lift the right-hand end of the cartridge and draw the cartridge to the right to release the left-hand end and withdraw from the printer.
- Dispose of the old toner cartridge in the plastic bag that came with the new cartridge. Please see the consumables return policy for further details.
- Gently shake the new cartridge from side to side several times to loosen and distribute the toner evenly inside.
- Remove the wrapping material and peel off the adhesive tape from the underside of the cartridge.
- Hold the new cartridge by its top center with the blue lever to the right and lower the cartridge into the printer over the image drum unit from which the old cartridge was removed. Insert the left end of the toner cartridge into the top of the image drum unit pushing it against the spring on the drum unit, then lower the right end of the cartridge down onto the image drum unit.
- Push the blue lever towards the rear of the printer, this will lock the cartridge into place and release toner into the image drum unit.

15 Pre-Inspection Procedure

Ask the customer for their registration and any prior inspection receipts (VIR) for inspections performed in the last 30 days, then have the customer proceed to the waiting area.

- Bring the vehicle into the inspection area.
- Place the vehicle in Park (automatic transmissions) or Neutral (manual transmissions).
- Secure the parking brake.
- Turn off all accessories (radio/stereo, lights, air conditioning, heating, etc.).
- Return to the analyzer and proceed with inspection.

16 Vehicle Inspection Menu

From the Main Menu, select 1. Vehicle Inspection Menu.



16-1 Safety/Emissions

From 1. Vehicle Inspection Menu, select 1. Safety/Emissions

Timeout 4:22		Sta	te of New York icle Inspection Program	Version 14.04.06 5/29/2014 5:36:29 PM	S <u>ystech</u>
Printer Status READY		1. Vehicle li	nspection Menu	+	-
POWER SAVE Tomm: 705, Dram: 97.82% Sticker Inventory	0000	1. Safe	ty/Emissions		4
Safety 80 Safety/Emission 19 Diesel Emission 80 Heavy Duty 00 Motorcycle 79	<u></u>	2. V	IR Reprint		NYC
Status Ready TestAuth. 40 Lockouts	M	3. Administ	rative Exemption	(URK
Cals Due Cals Due Next Cal Now	-	4. Clear DLC	Connector Lockout	6	U
Scan Int Ism Current Ver		5.1	Previous		í.
	M	ain Menu	Help		VE

Vehicle

Select an Inspection Type to begin.

Timesut	State of New York Vehicle Inspection Program	Version 14.04.06 5/29/2014 5:36:46 PM	Systech
Printer Status	1. Safety/Emissions	1	
READY			
POWER SAVE Toner, 70% Dram: 97.82%			2
Drum: 97.82%	4 1/11/1	679	E
Sticker Inventory	1. Vehicle	a	1
Safety 80 Safety/Emission 19			5
Diesel Emission 80		15 15 Mar	
Heavy Duty II Motorcycle 79			× –
Metorcycle //	2. Trailer		0
Status	A A A A		¥
TestAuth.			N
40			2
Lockouts	3. Motorcycle	(A)	· · · ·
Cala Due	Same and the second second		0
0			
Next Cal			N .
Now Scenint	4. Previous		×.
15m	4. Flevious		
Current Ver			
Yes			S.
	Main Menu Help		
			- Aller

Logging In

Select **1.Vehicle**. The inspector will be prompted to first login via a barcode scan of the Inspector License and then to enter their password. Follow the instructions as indicated in **Section 6 Secure Login**

	TEST S	SYSTECH	
Required Security L	evel:Inspector		
	User Authenti	cation Required	Licenses
	Inspector #: 14T/	A -	LD Current
	Password: *****		HD Current MC Current
	Password E	ntry Required.	
	Enter Passw	ord to Proceed	
Va	lid License(s) Found	d, Inspection(s) Permitt	ed!
Ş	Gelect Continue (alt/ <u>C</u> ontinue	c) or Enter to proceed C <u>a</u> ncel	

Network Communication

Once logged in, the analyzer will attempt to communicate with the VID. Any applicable data updates will be transmitted to the analyzer.

Timeout 00.00	Version 14.04.06 State of New York Vehicle Inspection Program 5/29/2014 5:38:59 PM	Systech
	Vehicle Inspection Program Vehicle Inspection Vehicle Vehicle Inspection Ve	

Lockout Status Display

Upon contact with the VID, the analyzer will advise of any lockouts. Any lockouts need to be cleared before performing an inspection. Refer to **Section 12 Lockouts**.

Vehicle Data Entry Procedure



Vehicle identification determines the inspection(s) that the vehicle will receive. Vehicle identification data is collected based on information you enter through the analyzer and data retrieved from the VID. Always check to make sure the vehicle data is accurate, verifying that the information on the registration, vehicle, and analyzer is the same.

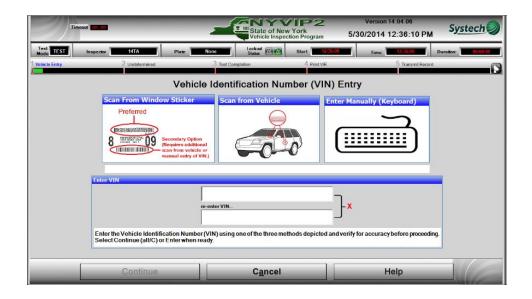
Vehicle Identification Number (VIN) entry

The VIN can be entered using one of two methods:

- Barcode scanner
- Manual keyboard entry

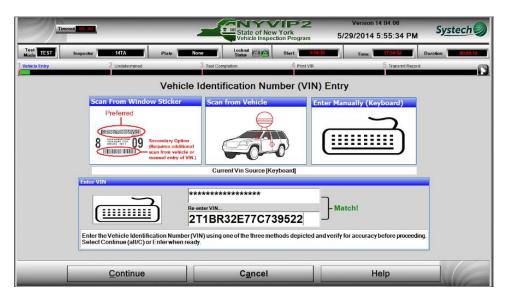
The preferred entry method of the Barcode is the 2D sticker from the windshield.

If the secondary option of the 1D barcode is scanned, the VIN will need to be scanned from the door, window or entered manually.

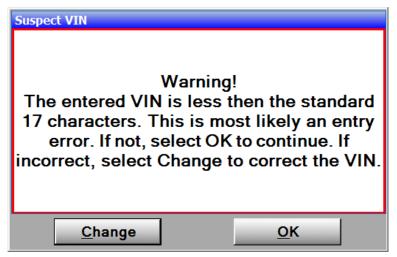


Scan the VIN then select **'Continue'** and proceed to the Vehicle Selection screen, or manually enter the VIN using the keyboard. The VIN will need to be entered twice to confirm it was entered correctly.

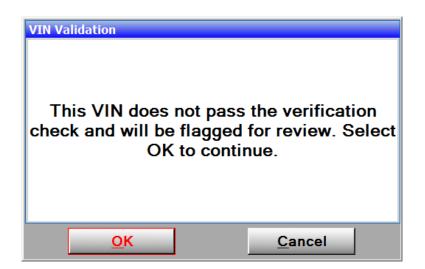




If the VIN has less than 17 characters, the screen will display a warning. If the VIN is correct, select **'OK'** and proceed.



If the VIN that is entered does not pass verification, the screen will display a warning. If the VIN is correct, select **'OK'** to proceed.



If the VIN is manually entered, the user must select a reason for the manual entry. Select 'OK'.

Select Reason For Manual VIN Entry							
 Dealer Vehicle Unregistered Vehicle Vehicle With Out Of State Registration or Title Local Government Vehicle New York State Government Vehicle Federal Government Vehicle Barcode(s) unable to be scanned Dealer With Out of State Transfer Documents 							
For keyboard press corresponding number to select an option Select OK (alt/O) to proceed							
<u>O</u> K <u>C</u> ancel							

After VIN entry, select 'Continue' to proceed to the next screen.

VID communication and vehicle data lookup

Once the VIN is entered, the analyzer will request additional vehicle information from the VID. When the search is complete, the analyzer will display the outcome.

If the vehicle information from a previous inspection is not found, the screen will display a message indicating this.

Timeout 00.00	Utility State of New Y Vehicle Inspectio	Version 14.04.06 fork 5/29/2014 5:58:54 PM	S <u>ystech</u>
	rest Record Lookup Performing VID Previous Tes		
	No previous test record or registration data has been located for this VIN. VIN decode downloaded.	todup flexible Previous test data found Vin decode performed Local data retrieved VID communications completed successfully!	
	VIN successfully deco	^	
	<u>C</u> ontinue		

If vehicle information from a previous inspection is found the screen with indicate so.

Timeout 00-00	Version 14 04 06 State of New York Vehicle Inspection Program 5/30/2014 1:35:16 PM	S <u>ystech</u>
	Performing VID Previous Test/VIN Lookup	
	NEW YORK STATE Index of the second	
	VIN successfully decoded!	
	<u>C</u> ontinue	VE

Select **'Continue'** to proceed through more data collection screens. Some entry items will not be needed if the vehicle was previously inspected.

Timeout 10.08		State of Vehicle In	VIP2 New York spection Program	Version 14.04.06 5/29/2014 6:00:09 PM	Systech
e Entry 2 Undetei	rmined	3 Test Completion	4 Print VIR	5 Transmit Record	
ter Plate (if available)	Select Testing	Parameters		Select Manufacturer	
Plate: 123ASD		r: 2007 _ p: Passenger Car p: 1) 0 - 8500 lbs	□ Hybrid V	Yehicle Scion Scion Subaru Suzuki Toyota	
<u>N</u> O PLATE Dealer Vehicle	NYMA			Other Make	(optional)
VIN successfully decoded.	Die Pro Fle CN Ele No	ectric ne		Select Model 4Runner Avalon Camry Hybrid Camry Solara Constitut FJ Cruiser Other Model	(optional)
	Forkeybo	ard select alt/C to con	tinue or alt/A to cand	el.	
Continue	Ca	ancel	Previous	He	lp.

Vehicle Information

If the vehicle information decodes, most of the fields will be pre-populated.

If not, manually enter the information.

First, if available, manually enter a Plate, or select **'NO PLATE'**. If the vehicle has a dealer plate, select **'Dealer Vehicle'**

Timeout 00.09		State of Vehicle In	New York spection Program	Version 14.04.06 5/30/2014 12:39:05 PM	S <u>ystech</u>
1 Vehicle Entry 2 Undete	mined	3 Test Completion	4 Print VIR	5 Transmit Record	
Enter Plate (if available) IF AVAILABLE, A UCCENSE PLATE MUST BE PROVIDED Plate: NO PLATE Dealer Vehicle IVIN failed to decode, you must select the correct Year, Type, Weight Class, Fuel, Make and Model before proceeding.	Weight Code NYMA?	Select Passenger Car 1) 0 - 8500 lbs Select - Primary Primary Sel pane & Fuel 3 Stric	Fuel	Conter Make Select Model Other Model	
Continue	Ca	ncel	Previous	He	lp

Select the **Model Year**. The **Manufacturers** and **Models** available for the year selected will be displayed.



Note: Every time you change the year, the selection of makes and models will change. This is also true for the Vehicle Type selection and Primary Fuel selection.

Select Vehicle Type from drop down list, 'Passenger Car' will be the default value displayed.

Select if the station is NYMA (New York Metropolitan Area) or not. Pick **'No'** for Non-NYMA area or **'Yes'** for NYMA.

Timeout 00.00	_		of New York Inspection Program		ersion 14.04.06 014 12:41:05 PM	Systech
1 Vehicle Entry 2 Safe		3 Test Completion	4 Print VIR		5 Transmit Record	0
Enter Plate (if available) IF AVAILABLE, A UCHNSE PLATE MUSE BE PROVIDED Plate: NOPLATE Dealer Vehicle VIN failed to decode you must select the correct Year, Type, Weight Class, Fuel, Make and Model before proceeding.	Gasc Diese Propa Flex CNG Elect None	2013 Passenger (1) 0 - 8500 II Select - Select No Mane Fuel ric		•	Select Manufacturer Acura Aston Martin Audi Bentley BMW Other Make (c Other Make) OTHER	
<u>C</u> ontinue	Can	cel	<u>P</u> revious	_	Help	,

Select the **Primary Fuel** type from displayed values. The highlighted value will determine the fuel selected. **'Gasoline'** will be the default value until a different value is chosen.

Timeout 00.00		tate of New York ehicle Inspection Program	Version 14.04.06 5/30/2014 12:44:06 PM	S <u>ystech</u>
1 Vehicle Entry 2 Safety	3 Test Completion	4 Print VIR	5 Transmit Record	
Enter Plate (if available) UF AVAILABLE, A UE RAVAILABLE, A UE	Gasoline Diesel Propane Flex Fuel CNG Electric None		Content Market Audi Bentley BMW Other Make ILX MDX RDX TL TSX TSX Sport Wago ZDX Other Model	n
<u>C</u> ontinue	C <u>a</u> ncel	Previous	s Hel	p

Select the Manufacturer and the Model.

The screen displays only the vehicle Manufacturers and Models available for the selected model year. If the vehicle's manufacturer is not included in the list, select **'Other'** from the bottom of the list. Use the keyboard to enter the vehicle make in the text box labeled **'Other Make'**. Or, if the vehicle's model is not included in the list, select **'Other'** from the list then use the keyboard to enter the model name in the

text box labeled **'Other Model'.** If you are entering data manually, be sure to double-check the spelling of vehicle make and model.

Please note that the typed value will not display on the VIR, the value displayed will be 'Other'

Timeout CD, 20	State	of New York e Inspection Program	Version 14.04.06 5/30/2014 12:44:57 PM	Systech
1 Vehicle Entry 2 Safety	3 Test Completion	4 Print VIR	5 Transmit Record	
Enter Plate (if available) UE AVAILABLE, A UE AVAILABLE, A BE PROVIDED Plate: NOPLATE Dealer Vehicle VIN failed to decode, you must select the correct Year, Type, Weight Class, Fuel, Make and Model before proceeding.	Select Testing Parameters Model Year: 2002 Vehicle Type: Passenger C Weight Code: 1) 0 - 8500 lb NYMA?: No - Primar Gasoline Disel Propane Flex Fuel CNG Electric None For keyboard select all/C to c	y Fuel	Volkswagen Volkov OTHER Other Make OTHER Select Model OTHER Other Model	
<u>C</u> ontinue	C <u>a</u> ncel	Previous	Hel	p

Vehicle Lookup Table Match Selection

Based on the previous entries, the analyzer displays potential matches from a database of known vehicle configurations (the vehicle lookup table or VLT). Select the matching row from the list, and then select **'Match'** to proceed. If none of the rows display a match, select **'No Match'** to proceed with manual entries.



If **'No Match'** was selected, then a second vehicle entry screen will display to collect more information on the vehicle.

2)	Timcout 00.00		State of Nev Vehicle Inspe	VIP2 w York ction Program 5	Version 14.04.06 5/30/2014 12:45:39 Pl	M Systech
Test Mode TEST	Inspector 14TA	Plate NOPLATE	Lockout Color	Start 12:16:00	Time: 12.4522	Duration: 00:09:23
Vehicle Entry	2 Safety	3 Test Cor	npletion	4 Print VIR	5 Transmit Reco	ord O
0	Enter Displacement					
	Liters		ers ubic Inches Subic Centimeters			
	Cubic Inches		ubic Centimeters			
	Cubic <u>C</u> entimeters					
	Select Cylinders	Select Exhaust Co	nfiguration		Select Transmission	
	2 Cyl - 3 Cyl - 4 Cyl - 5 Cyl - 8 Cyl - 10 Cyl - 12 Cyl -	N/A Single Dual	Selected Single	Single Exhaud Dual Exhaust Single Exhaust = 2 Multier AND 2 Convo	ner Nama) Aurenatic	Selected Automatic
			Automatic	:		
		For keybard select alt/	C to contunue c	r alt/A to cancel insp	ection	
	Continue	C <u>a</u> ncel		<u>P</u> revious		Help

First, enter the **Displacement**. The screen defaults to entry in Liters (L). To enter the engine size in Cubic Inches (CI) or Cubic Centimeters (CC), select the appropriate option. Then select the **Cylinders**, **Transmission**, and **Exhaust Configuration**. Select **'Continue'** to proceed to the next screen.

Vehicle Odometer Entry

Enter the vehicle's mileage from the odometer.

Ti	mcout (10,00	-		State of Ne Vehicle Insp	vip2 w York ection Program	Version 14.04.06 5/29/2014 6:07:0	Systech
Test Mode TEST	Inspector	14TA	Plate 123ASD	Status	Start 0543	Time: 18.067	Duration: 00:11:51
Vehicle Entry	2	Undetermined	З те	est Completion	4 Print VIR	5 Trans	mit Record
					ory, please verify	/ carefully.	
			Please enter the or	lometer Reading as it	appears. Do NOT e	nter tenihs	
<u>C</u>	ontinue	Broker	Odometer	C <u>a</u> ncel		Previous	Help

Enter the odometer reading twice. If the second odometer reading is entered incorrectly, the readings will automatically erase and the inspector will need to re-enter both values.

Timeout 00.00		State of New York Vehicle Inspection Prog	2 Version 14 ram 5/29/2014 6:	Systech
Test TEST Inspector 141	A Plate 123ASD	Lockout Color Start	15438 Time:	18:0628 Duration: 00:11:51
1 Vehicle Entry 2 Und	telermined 3 Test Con	npletion 4 P	rint VIR	5 Transmit Record
Odomet				
	Enter odometer reading	. Ignore digit(s) aft	er the decimal point.	
	-	entry is mandatory, pleas		
		00000.0	· Miles	
	Odometer:	****	C Kilometers	
	Re-Enter Odometer.	12345	V Match	
	Please enter the odome	eler Reading as il appears. D	o NOT enter tenths	
<u>C</u> ontinue	Broken Odometer	C <u>a</u> ncel	<u>P</u> revious	Help

The odometer readings will be compared to readings from the previous inspection for the vehicle. Normal usage is checked for the model year of the vehicle versus the data entered and if the odometer reading appears incorrect due to these checks an error message will be displayed.

Downeter Entry The value you have entered is above normal usage. Please re-check the odometer before re-entering the odometer reading. Please press 'Continue' to accept the reading or edit the entry as necessary.
<u>C</u> ontinue <u>R</u> e-enter

Confirm the odometer reading and select **'Continue'** to proceed with the current reading entered, or **'Re-enter'** to change the odometer reading. Once the vehicle odometer entry is complete, select **'Continue'** to proceed to the next screen.

Vehicle Data Entry Review Screen

Once all entries are complete, the vehicle entry review screen displays.

Т	imcout 00.00			-	Sta	ate of New		9 2 gram		sion 14.04. 14 12:40		Systee	ch 🥥
Test Mode TEST	Inspector	14TA		Plate NOPLATE	Locko	f @@	Start	12:36:00	Т	me: 12:4	6:00	Duration: 0	0:10:00
1 Vehicle Entry	2 Safety		3 ECD	4 GasCap)	5 060		6 Test Comple	etion i	7 Print VIR	1	3 Transmit Record	-0
			Importan	t! Verify all infor	mation is c	orrect be	fore pro	ceeding wi	ith inspect	tion.			
						Data Sumn			_		_		
	`		-	l o modify a	an entry selec	t the corre	sponding	gedit button		-	*		_
	<u>V</u> IN		2T1BF	R32E77C747	054					6	C	linders	
	Plate		NOPLA	TE						2	Disp	olacement	
	<u>Y</u> ear		2002						Automa	atic	Tra	n <u>s</u> mission	
	<u>M</u> ake		OTHE	R					Gasol	ine		<u>F</u> uel	
	Model		OTHE	R					123	345	<u>0</u>	dometer	
Ve	hicle <u>T</u> ype		Passe	nger Car				0	- 8500	lbs	We	ight Code	
	<u>N</u> YMA		No					board use d charact					
		<u>C</u> onti	nue		С	<u>a</u> ncel	_		_	Help	_		6

If all of the entries are accurate, select **'Continue'** to proceed with the inspection. Select **'Cancel'** if there is any reason you must exit the inspection process. If any entry field needs to be adjusted select the option next to the incorrect value (such as **Displacement**) and the analyzer software will direct you through correcting the values.

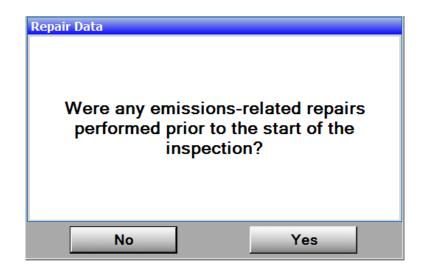
16-1.1 Safety Component Check

The following screen displays the **Test Type** screens which describe what inspections will be performed based on the vehicle model year and weight.

Tim	cout 00.00			State of New Vehicle Inspect	York tion Program	Version 14.04.06 5/30/2014 8:09:25 AM	S <u>ystech</u>
Test Mode TEST	Inspector 14TA	Plate	123ABC	Lockout Color	Start 0008-55	Time: 18:09:03	Duration: 80:02-03
Vehicle Entry	2 Safety	3 ECD	4 GasCap	5 OBD	6 Test Completio	n 7 Print VIR	8 Transmit Record
	This v	vehicle wil		ted to the fo ection Type		ction options	
				ncluded Tes	sts		
			fety			-	
			D				
			asCap BD				
		01					
		*Inspe	ction cannot b	e cancelled or a	aborted after this	screen	
	5	Select Cor	ntinue to pr	oceed or Ca	ancel to exit in	spection.	
_	<u>C</u> onti	nue		C <u>a</u> ncel		Help	

16-1.2 Emissions Related Repair

If the Inspection Type is a re-inspection, a prompt to enter emissions related repairs will display, select **'Yes'** to enter information or **'No'** to continue the inspection.



Vehicle Repair Data

Select the vehicle category from the list and select the plus (+) sign to expand it. Valid results for the items are **Unchecked**, **Not Repaired**, and **Repaired**. Once the item is highlighted, vehicle components will be displayed. Repair costs related to the item can then be entered by double clicking on the item.

limeout 00.00	State	of New York		ion 14.04.06 14 1:41:06 PM	Systech 🥥
Current Overall Residt 2 Pending Image: Control Control Image: Control Control Image: Control Control Image: Control Control Image: Control Control Image: Control Control Image: Control Control Image: Control Image: Control Image: Control Control Image: Control Image: Control Image: Control Image: Control Image: Control <	Vehicle Repair	Data			Not Repaired Repaired
🖗 🚫 Trans / Final Drive				**Use the arrow ke menu, e.g. right an category and left a	row expands arrow collapses spacebar to select
	<u>C</u> ontinue	Help	_		

	Timeout 80 89	State of New York Vehicle Inspection Program	Version 14.04.06 5/30/2014 1:43:24 PM	S <u>ystech</u>
	Current Overall Result 2 Pending Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system Image: Constraint of the system	Enter Repair Info for the Selected Item Catalytic Converter Do notinclude the costfor replacement of missing emission control devises, warranty repairs, or customer laborin these costs Repaired by Customer: Г Repaired by facility: SYSTECH Repaired by Inspector: 14TA Work Order Number: Repair Date:		Not Repaired
	Constraints Constrain	Solution Solution	**Use the arrow ki menu, e.g. rightai category and left	arrow collapses spacebar to select
_	<u><u>C</u>o</u>	ntinue Help		VE

Select the check box next to **'Repaired by Customer'** if the repairs were completed by the Customer, otherwise the station information will pre-populate in the related fields. Enter the date of repair in the **'Repair Date'** field and enter the cost of repairs on the following field. The Total Repair Cost will display in the lower right corner of the screen.

16-1.3 Emissions Waiver

Emissions Waiver

New York State has elected to offer a repair expenditure based waiver to motorists when properly documented repairs exceed a certain dollar threshold. The emission inspection waiver form will be printed when NYVIP2 has calculated that the total cost of the recorded repairs has exceeded the waiver limit and the inspector has indicated the waiver will be granted. The NYVIP2 emission inspection stations will have the option to issue emission inspection waivers.

Access to the waiver process will be restricted to only vehicles that have failed the OBD inspection, where the costs of the vehicle's emission related repairs are greater than or equal to the waiver limit (currently \$450.00). Requirements for waivers include:

- ◆ The vehicle must have previously failed the emission inspection (must be a re-inspection).
- Repairs performed are not warranty repairs.
- The vehicle must pass the safety inspection.
- The total cost of the repairs must exceed the waiver limit.
- ◆ All repair costs included in the waiver limit must be associated with an emission related component defined in the repair screen (but cannot include replacement emission control devices that were tampered with or missing).
- The vehicle must pass the emission control device tampering inspection (excluding diesel).

When qualified repairs (based on the above list) were performed on a vehicle, the cost of these repairs can be added to any prior qualifying repairs associated with any prior re-inspections.

Enter Repair Info fo	or the Selected Item				
Catalytic Converter Do not include the cost for replacement of missing emission control devises, warranty repairs, or customer labor in these costs					
Repaired by Custor	ner: 🗆				
Repaired by facility:					
7116588					
Repaired by Inspect	tor:				
14TB					
Work Order Number	r:				
Repair Date:					
6/12/2014					
Please enter the cost	of the repair				
452					
**Please enter Costs with no decimal or dollar sign, e.g. enter whole dollars only, so 250 = \$250					
<u>о</u> к	<u>C</u> lose				

Enter cost of repairs with no decimal or dollar sign as shown above.

Timeout 00.00	State	of New York		ion 14.04.08 14 3:34:01 PM	S <u>ystech</u>
Current Overall Result ? Pending ? Air Supply ? Selectronic ? Electronic ? Catalytic Convolter ? Catalytic	Vehicle Repair	Data	×	**Use the arrow I menu, e.g. right category and lef category. Use th	Total Repair Cost \$452 Keys to navigate the arrow expands
<u>C</u> ont	inue	Help	_		

Select 'Continue'

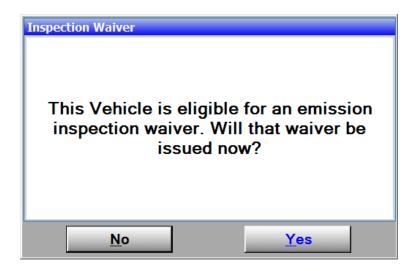
Continue with the completion of the inspection. If the inspection fails the OBD portion of the inspection the analyzer will display the following message.

Sticker Expiration Date						
Please enter the date of the last sticker that was (or is) on the vehicle						
04/2014						
<u>о</u> к	<u>C</u> ancel					
alt O for hotkey	alt C for hotkey					

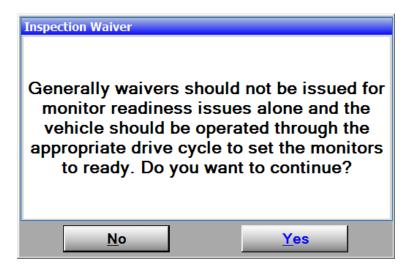
Enter the expired sticker date that was (is) on the vehicle and select **'OK'**.

Date Verification Is 04/2014 the correct date?	
Yes <u>N</u> o	

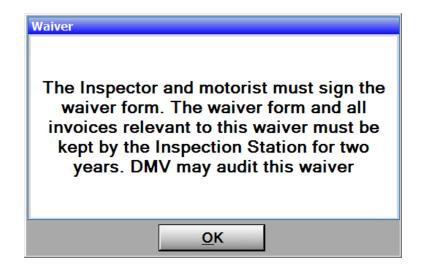
Select **'Yes'** and the following message will be displayed.



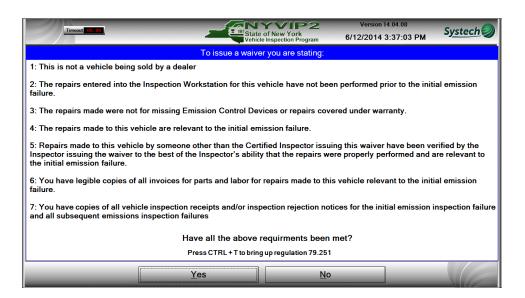
Select 'Yes' and the following message will be displayed.



Select 'Yes' to proceed with the waiver process.



Select 'OK'



Select 'Yes' if all of the waiver requirements have been met.

\exists	Timeout 00.00		تسبع ا	State of New Vehicle Inspec	York		on 14.04.06 14 8:35:02 AM	Syste	ch
Test Mode TEST	Inspector 14T	A Plate	123ABC	Lockout Status	Start 8:06:	55 Time	e: 06:34:27	Duration:	00:27:32
1 Vehicle Entry	2 Safety	3 ECD	4 GasCap	5 obd	6 Test C	Completion 7	Print VIR	8 Transmit Record	-0
Sca	n barcode on st	icker. Select	Unable t	to Scan and	enter man	ually only	if barcode n	ot reada	ole.
	Scan barcode on sticker. Select Unable to Scan and enter manually only if barcode not readable. I the actual stoker number does not match the expected number, the missing sticker(s) must be voided to proceed. I the actual stoker number does not not prevent. Entering a sticker outside of the loaded range will void the entire range. Scan (barcode) the printed sticker serial number into the Actual (Printed) box								
	Ex Actual (F	Available Sticker spected Sticker N Printed) Sticker N	r Range: Number: Number:	001145242 - 001145242 - 1145242 +	001145260)	Туре:	Safety/Emis	Scan	
	Number	of Stickers in Inv	ventory:	19			Manual Entry	Enabled	
	Void Range:	0 - 0	Vo	oid Total:	0				
		Void reason	1:	*					
		S	Select Conti	inue (alt/C) to Pr	int Test Reco	ord			
-				<u>C</u> ontinue					6

Scan the next sticker in inventory, affix the sticker to the windshield and select 'Continue'.

Test TEST	Inspector	14TB		Plate 123ASDF	Locke		Start	3:29:51	Time:	15:37:35	Duration:	0.57.90
shicle Entry	2 Safety		ECD	4 GasCap		5 OED		6 Test Completion	7 Print	dR.	8 Transmit Record	
		Proz Dase 612201 VEHICLE DETAILS	of New York is hapechon Pro 43:37:34 PM VIN YEAR MAKE	gaan VEHICI	OF NE	In REPORT Inspection MEL CTE		Syste FIEL WESHIT EIRA Sicher Nenher	Page 1 ef 1 Ch 200 maser 14 04-08 0 (-1500 3s -5070 Fee	æ		
		RESULTS	For the full larg Emissions Res Communication Readiness MIL Communi ROBO ROBO ROBO ROBO	nebs n. Pau Pau Pau Pau Not Raady d Caralyndor Raady P. Not Raady P. Not Raady	Peto velikib/ izgenik	7AL	ity the impactor full unifery and	12. 114302 2 yaar wekkin kaa powrianely eeskuloo fanpeefies und we	filled aug part			
	3									-		

Select 'Continue' to print Waiver (VIR)

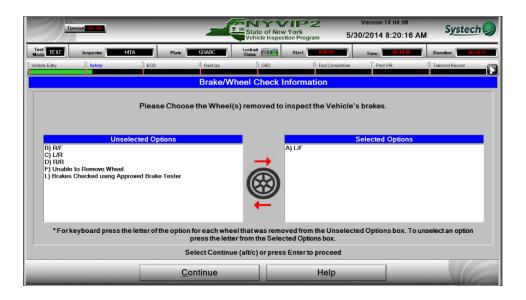
Below is an example of an Emissions Waiver

	Inspection Progr		ICLE INSPECTIO				
Print Date: 6/5/2014 4	4:54:38 PM		4 4:50:33 PM	Inspection Ty			/ersion: 14.04.0
VEHICLE	VIN	2G2W8542641259071	MOD		Grand Prix	FUEL	G 0 - 8500 lbs
DETAILS	YEAR MAKE	2004 Pontiac	PLAT MILE/		FLY4175 123,456	WEIGHT EIR #	0 - 8500 158
INSPECTION RESULTS	1	Inspection Result WAIVER	PASS	FAIL	Sti	cker Number	Fee
	for the full inspec Emissions Resul Communication Readiness MIL Commandec KOEO KOER I Diagnostic Tre	ts Pass Pass IFail Pass pass puble Codes Present Jume Air Flow Circuit Malfund ter: \$450 System: \$195					, , , , , , , , , , , , , , , , , , ,
CONSUMER INFO	VEHICLE INSPECTIO	IN QUESTIONS: n please contact the Department of Motor	Vehicles at website address				
17	http://www.dmv.ny.gov.						8.051 HI
()	Or by telephone number:	518-486-9786.					14.14
()		umber NYVIP2	Record Number	On	line/Offline	DMV Res	ord Match

Print Date: 6/5/2	014 4:54:39 PM						Version: 14.04.03	
FINAL RESULT			WAI	VER				
	VIN 2G2WS542641259071 MAKE Pontiac WAIVI				WAIVEI	ER DATE 6/5/2014 4:50:33 PM		
VEHICLE DETAILS	PLATE FLY4175		MODEL Gr	and Prix	MI	LEAGE	123,456	
	YEAR 2004		FUEL			EIR#	717849	
	UNIT ID	INSPEC	TOR NO.	STATI	ON NO.	IN	SPECTION FEE	
STATION	NY00000014	191	MQ	711	6588		11.00	
STATION DETAILS	Station Name	TEST RECORD FI	VE					
DETAILS		8 98 NIVER STREE	T, COHOES	0,433		1		
	Phone Number	5182033315		То	tal Repair Cos	1590		
	The Station Granting The Waix To Qualify For An Emissions V VEHICLE INSPECTION QU www.nysdmv.com/vehsafe.htm.	Vaiver, Regardless C	of Who Performed T	he Work.	2 101 0 10			
	Inspector's Certification			ing The Repai	r Items Listed A	bove Are	ant of comparison	
	I Certify That Copies Of I Document. To The Best C Inspector's Signature: _	nvoices And/Or	Receipts Support				Attached To This	
	I Certify That Copies Of I Document. To The Best C	nvoices And/Or of My Knowledge t Of My Knowled	Receipts Support e The Indicated V dge, The Diagnos	Vork Has Beer	n Performed On	The Desc	Attached To This rribed Vehicle.	
	I Certify That Copies Of I Document. To The Best C Inspector's Signature: Motorist's Certification I Certify That To The Bes Performed. Copies Of Inv	nvoices And/Or of My Knowledge t Of My Knowled oices And/Or Re New Y	Receipts Support e The Indicated V dge, The Diagnos ceipts Are Attach York State Depa Vehicle Repair	Stic And Repair ed. waiver Discl	n Performed On ir Work Require otor Vehicles aimer	The Desc	Attached To This rribed Vehicle. Form Has Been	
	I Certify That Copies Of I Document. To The Best C Inspector's Signature: Motorist's Certification I Certify That To The Bes	nvoices And/Or of My Knowledge t Of My Knowled oices And/Or Re New Y his form is being the vehicle is sti dvises the vehicle	Receipts Support e The Indicated V dge, The Diagnos ceipts Are Attach York State Depa Vehicle Repair sissued a waiver Il in need of emis e owner to comp	Vork Has Beer stic And Repai ed. rtment of Mo Waiver Discl because it has ssions-related i lete the needed	n Performed On ir Work Require tor Vehicles aimer met the necessa repairs. The Nev I repairs as soor	The Desc ed By This ary criteria w York St as possib	Attached To This rribed Vehicle. 	
	I Certify That Copies Of I Document. To The Best C Inspector's Signature: Motorist's Certification I Certify That To The Bes Performed. Copies Of Inv The vehicle described on to may now be re-registered, Motor Vehicles strongly a	nvoices And/Or of My Knowledge t Of My Knowled oices And/Or Re New Y his form is being the vehicle is sti dvises the vehicle y increase in veh S Department of	Receipts Support e The Indicated V dge, The Diagnos ceipts Are Attack York State Depa Yehicle Repair ; issued a waiver II in need of emis e owner to comp ticle emissions, a	stic And Repain ed. rtment of Mo Waiver Discl because it has issions-related in lete the needed nd any chance and Systech a	n Performed On ir Work Require tor Vehicles aimer met the necessa repairs. The New I repairs as soor of a serious dri	The Desc of By This ury criteria v York St as possib vability-re	Attached To This ribed Vehicle. 	

16-1.4 Brake/Wheel Check

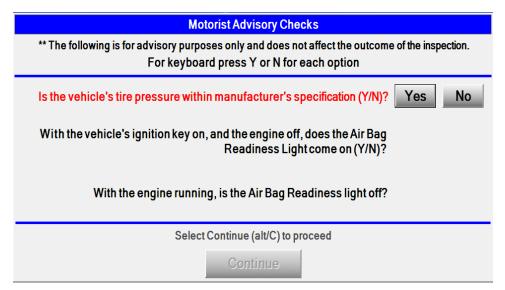
The next step in the inspection process is the **Brake/Wheel Check.** This information is based on the vehicle and trailer weight. Vehicles with weight code of 1 or 2 are required to remove one of the two front wheels and select which wheel was removed.



If no selections are made, a prompt will display to remind the inspector to correct this. Select the wheel removed to move it to the **'Selected Options'** box. Select **'Continue'** to proceed.

16-1.5 Motorist Advisory Check

This screen is for advisory purposes and does not affect the outcome of the inspection. Answer the questions displayed.



Select 'Continue' to proceed.

16-1.6 Safety Component Check

	fimeout 00.00	State	of New York Inspection Program	Version 14 5/30/2014 8		S <u>ystech</u>
	Current Overall Result 2 Pending Pending Current Overall Result 2 Pendin	front end and chassis/frame anors	ion	All items must be P. F or N t		
_		<u>C</u> ontinue	Н	elp	-	

Select each component in the list and determine the appropriate result: '**Pass'**, '**Fail**' or '**Not Equipped'**. If all items have passed inspection, the '**Pass All**' button is available to speed up the process. If the regulation for inspection of the item needs reviewing, select the component by highlighting it, and then select '**Regulation'**.

(k) Seat belts.	lations
(K) Seur Seus.	
Procedure	Reject if:
 Inspect for the required number of seat belts. 	 1.i. 1965 to 1968 models, not equipped with at least two safety belts for the front seat. ii. 1967 and 1968 models, not equipped with at least one safety belt for rear seat for each passenger for which the rear seat of such vehicle was designed. iii. 1969 or newer model, not equipped with at least one safety belt for each passenger seat position.
2. Check seat belt function by buckling seat belts, tugging on them and unbuckling them	2.i. Any seat belt cannot be buckled. (Amended 8/13/03)
	11

Select **'Continue'** to return to the Safety Component check. After passing or failing all safety items select **'Continue'** to proceed to the ECD Inspection screen.

2)	Timeout 00.00	State of New York Vehicle Inspection Program	-	Systech
	Current Overall Result 2 Pending	r Valve (EGR) ilation	All items must be P, F or N to costinue	Unchecked Pass Fall Pass All Pass All Pass All Pass All Pass All Pass All Category passing ON "Category passing ON "Pass All "Category passing ON "I feabled, TPass All ON "I feabled, TPass All ON
_		Continue	Help	

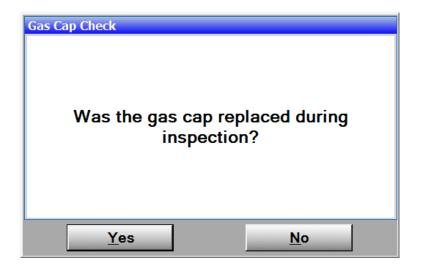
After Passing or Failing ECD Items select 'Continue' this will bring up the Gas Cap Inspection screen.

16-1.7 Gas Cap Visual Inspection

After visually inspecting the gas cap, select an inspection result from the list.

Tin	acout 807.00			State of New Vehicle Inspec	York York tion Program	Version 14.04.06 5/30/2014 8:23:03 AM	S <u>ystech</u>			
Test Mode TEST	Inspector	14TA PI	ate 123ABC	Lockout Status	Start 0:05:55	Time: 100:22:59	Duration: 00:16:04			
1 Vehicle Entry	2 Safety	3 ECD	4 GasCap	5 OBD	6 Test Complet	ion 7 Print VIR	8 Transmit Record			
	Gas Cap Visual Inspection									
Select an inspection result * For keyboard use corresponding number to select result										
	1) Cap is Present and Intact									
	2) Cap is Missing 3) Cap is Broken or Cracked 4) Cap-less Vehicle									
	For keyboard select alt/C or Enter when ready.									
-	-		<u>C</u> ontinue		Help					

Selecting option 2 or 3 will display a message asking if the cap has been replaced during the inspection. If **'Yes'** is selected the Gas Cap will pass the inspection and continue on to the next screen, **'No'** will fail the inspection and continue.

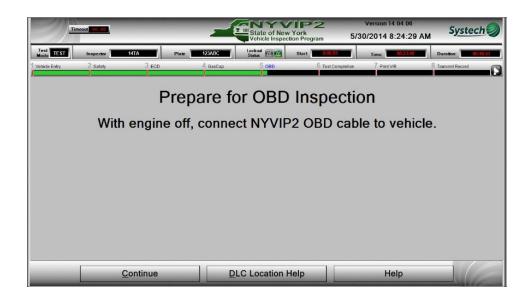


16-1.8 Prepare for OBD Inspection

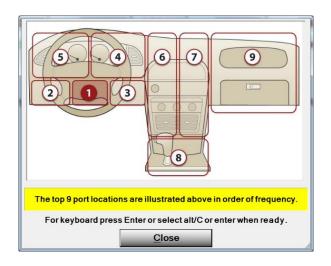
To prepare for the OBD Inspection, shut off the vehicles engine.



Select **'Continue.'** This will start the timer for the inspector to prepare the connection to the vehicle using the NYVIP2 OBD cable.

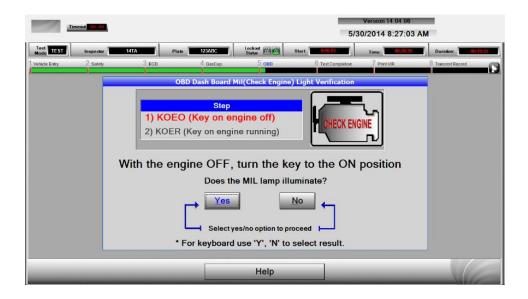


Select the **'DLC Location Help'** if help is needed finding the location for the connection.



16-1.9 MIL Lamp Status

Answer the first question on the MIL lamp indicator on the vehicle dashboard. The first screen asks to verify that the MIL lamp illuminates when the engine is off and the key is on.



If you answer that the MIL lamp does not illuminate when the engine is off and the key is on, a prompt will appear to confirm the failing response. If user selects **'Yes'** the vehicle will fail the emissions inspection.

Tim	cout 00.00			State of New Vehicle Inspec	York tion Program	Version 14.04.06 5/30/2014 8:27:26 AM	S <u>ystech</u>
Test Mode TEST	Inspector	14TA	Plate 123ABC	Lockout Status	Start 8:05:55	Time: 18:26:50	Duration: 00:19:55
1 Vehicle Entry	2 Safety	3 ECD	4 GasCap	5 овр	6 Test Completion	7 Print VIR	8 Transmit Record
		1) KO 2) KOE With the e	You have in Yes	dicated that th this correct	No tra	position	
	-	-		Help		_	CE.

The next step is to answer the second question on the MIL lamp indicator on the vehicle dashboard. The second screen asks to verify that the MIL lamp does not stay illuminated when the engine is running.

	ncout 100.00			State of New Vehicle Inspec	York tion Program 5/	Version 14.04.06 30/2014 8:27:57 AM	S <u>ystech</u>
Test Mode TEST	Inspector	14TA	Plate 123ABC	Status	Start 0.00.55	Tima: 18:26:30	Duration: 0001955
1 Vehicle Entry	2 Safety	3 ECD	4 GasCap	5 OBD	6 Test Completion	7 Print VIR	8 Transmit Record
<i>#</i>			OBD Dash Board N	lil(Check Engir	e) Light Verification		
		1.000	Step OEO (Key on en DER (Key on engin Start the E	ne running)		IGINE	
				v			
			Yes	. illuminated	No ←		
			* For keyboard	use 'Y', 'N' t	o select result.		
_	_	_		Help			VE.

If it is indicated that the MIL lamp illuminates when the engine is running, the vehicle will fail the emissions inspection. A confirmation prompt will display to select **'Yes'** or **'No'**.

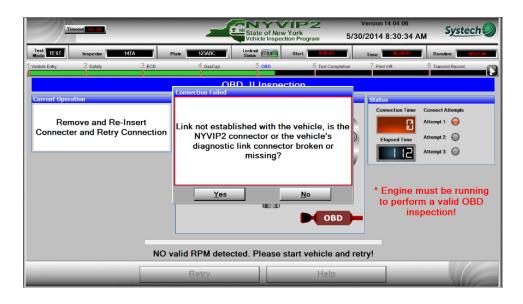
	acout 10.00		کسی	State of New Vehicle Inspec	York tion Program	Version 14.04.06 5/30/2014 8:28:22 A	M Systech
Test Mode TEST	Inspector	14TA	Plate 123ABC	Lockout Status	Start 0:06-55	Time: 08:26:50	Duration: 00:19:50
1 Vehicle Entry	2 Safety	3 ECD	4 GasCap	5 080	6 Test Completio	n 7 Print VIR	8 Transmit Record
		1) КС 2) КО	KOER Check You have in Yes	dicated that the this correct	No	GINE	
	_	_		Help			16

16-1.10 OBD II Inspection

With the engine off, plug the OBD II Connector into the vehicle's diagnostic port, if not already connected. Start the engine.

Select 'Begin OBD' to begin the test.





If the OBD connection was unsuccessful the Connection Failed message will display. Selecting **'No'** will allow the inspector to retry the OBD II inspection. Selecting **'Yes'** will stop the inspection and cause a DLC lockout





If the cable is not disconnected, a prompt will display to remind the inspector to do so. The inspection process will not continue until the car is disconnected from the OBD cable. Select **'OK'**, once the cable is disconnected.

DLC Damaged

A vehicle may not be able to complete a valid OBDII inspection for various reasons. If so, **'DLC Damaged'** may be chosen as a viable option. Select a valid reason for the incomplete OBDII inspection. Select **'Continue'** to proceed.

Timeout 00,00	Version 14.04.06 State of New York Vehicle Inspection Program 5/30/2014 1:28:49	PM Systech
Test TEST Inspector Vehicle Entry 2 Safety	MORATE Lockod Start 123500 Time: 133655 OBD Manual Fail	B Transmit Record
Current Operation Remove and Connecter and Re		Connect Attempts Attempt 1: 💮 Attempt 2: 🔘 Attempt 3: 🔘
	Select alt/C or Enter to Proceed.	nust be running m a valid OBD pection!
	NO valid RPM detected. Please start vehicle and retry!	
	Retry Help	

If the NYVIP2 connector is broken or missing, a lockout will be set by the analyzer. This must be corrected before any further testing can continue.

16-1.11 End of Test Processing

This chapter covers the final steps of the vehicle inspection process prior to the test fee collection and printing of the Vehicle Inspection Report (VIR).

End of Test

At this point, the analyzer has enough information to complete the test sequence.



16-1.12 Vehicle Inspection Report Printing

At the end of each inspection, the analyzer prepares the Vehicle Inspection Report (VIR), which displays the outcome of the vehicle inspection.

When Vehicle Passes

If a vehicle passes an inspection a scan sticker screen will appear. Scan the most current sticker in the inventory. This sticker number is displayed in the **Expected Sticker Number** Field. If the user is unable to scan the sticker select **'Unable to Scan'** and manually enter sticker number. Once the sticker is entered select **'Continue'**. Follow the instructions for next three prompts.

If the expected sticker is unavailable the user cannot scan or manually enter the next available sticker in the inventory, a prompt will be displayed confirming that the expected sticker will be skipped. If '**Yes**', all stickers in inventory before scanned sticker range will be voided and a reason will need to be selected for why the other stickers are unavailable.

2	Timeout 00.00		State of New Yo Vehicle Inspection	P2 ork Program 5	Version 14.04.06 /30/2014 8:35:02 AM	S <u>ystech</u>
Test Mode TEST	Inspector 14TA	Plate 123ABC	Lockout Com Status	Start 8:06:55	Time: 08:34:27	Duration: 00:27:32
1 Vehicle Entry	2 Safety 3	ECD 4 GasCa	р 5 овр	6 Test Completion	7 Print VIR	8 Transmit Record
Sca	Avail Expect	s not match the expected nu ary to type leading zeros. oaded range will void the er	mber, the missing sticker(s) mu tire range. Ited sticker serial number 001145242 - 00 001145242 - 00	ist be voided to procee	d. Printed) box Type: Safety/Emis Unable to S	ssion Scan
	Number of St	tickers in Inventory:	19 Void Total: 0		alt/U for keyboar Manual Entry	
		Void reason:	·			
		Select C	ontinue (alt/C) to Print	Test Record		
-			<u>C</u> ontinue			

The analyzer automatically prints one copy of the VIR.

Т	imcout 00.00			z	Sta	te of Ne		9 2 ogram		n 14.04.06 4 8:35:44 AM	S <u>ystech</u>
Test TEST	Inspector	14TA		Plate 123ABC	Locko		Start	8:06:55	Time	06:35:40	Duration: 90:28:45
1 Vehicle Entry	2 Satety		ECD	4 GasCap		5 080		6 Test Completio	n 7 Pi	int VIR	8 Transmit Record
		Print Date: 5:50:201 VEHICLE DETAILS	of New York e Inspection Pr 4 8:35:40 AM VEN YEAR MAKE		E INSPECTIO	N REPORT	Type Initial Conta 127450 11244	Syste Supportion T FUEL WEIGHT EIR+	Page 1 of 1 Page 1 of 1 Persitee: 14 04 05 5 0-1000 lm 12004	-	
		INSPECTION RESULTS		Impection Result	Safety DASS	OBD		Sticker Number	F		
			receipt fo	lations, your vehicle has r your records. You may gistration.						7.	
	-		_	<u>C</u> ontinue	_		E	Reprint Forn	n		

Scroll down to view the bottom portion of the VIR on the display screen. Note that the analyzer displays the VIR and provides a '**Reprint Form'** option. If no reprint is needed, select '**Continue**' to proceed.

Give the customer the VIR. The vehicle inspection process is now complete.

When a Vehicle Fails

If the vehicle failed the inspection the VIR will have extra information that will help the vehicles owner complete the task of obtaining the necessary repairs. Review the report with the owner and answer any questions.

16-1.13 10-Day Extension

10-Day Extension

The 10-Day extension will only be available for issuance to vehicles meeting the following conditions:

- The vehicle failed the OBDII portion of the inspection for <u>only</u> the readiness evaluation.
- The previous inspection sticker has expired.
- ◆ The vehicle passed the safety, ECD and Gas Cap Check portions of the inspection.

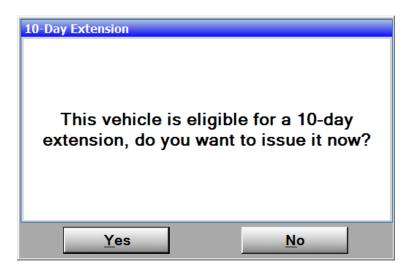
The analyzer will prompt the inspector to enter the month and year (format MM-YYYY) of the expired inspection sticker that was scraped off of the vehicles windshield and confirm that it was expired based on today's date. If these two conditions are met, then the receipt can include the 10- day extension to permit legal driving in order to reset the readiness indicators.

Sticker Expi	ration Date
Please enter the date was (or is) or	
04/2	014
<u>O</u> K	<u>C</u> ancel
alt O for hotkey	alt C for hotkey

Enter the expired sticker date that was (is) on the vehicle and select **'OK'**.

Date Verification Is 04/2014 the correct date?	
<u>Y</u> es <u>N</u> o	

Verify that the date entered is correct by selecting **'Yes'** or select **'No'** if the date was entered incorrectly. If **'No'** was selected, reenter the correct date. If **'Yes'** was selected the following message will be displayed.



Select 'Yes'.

lode to the	Inspector	14TB	Plate	123A50F	Lockou Status		Stert	323	Time	15:33:10	Duration:	0-05/43
ehicle Entry	2 Safety		B ECD	4 GasCap		CED		6 Test Completo	n 7 P	tint VIR	8 Transmit Record	
		VEHICLE DETAILS	YEAR	2001 2002	PLAT		1214209	WEICHT	0-100 Ju			_
		INSPECTION RESULTS		tice Realt	Safety	OBD		Sticker Number	F			
		CONSUMER	ONL3 Institutions Foreign Concumulations Andiana Mit Concumulat SOED SOED SOED SOED SOED SOED SOED	CEXTENSION, TJ EXTENSI Pat Pat Pat Pan Pan Pan Pan		EWILLY	OT REC					

Select **'Continue'**. The 10-Day Extension notice will be printed on the Vehicle Inspection Receipt (**VIR**). The 10- Day Extension can be issued for either an initial or re-inspection. The "10 Day Extension" will be printed on the VIR and posted in such a way as to make it easily discerned by law enforcement when displayed on a vehicle's dashboard.

Below is an example of a 10-Day Extension

-	of New York e Inspection Progra	am	VEHICLE	INSPECTIO	ON REPORT		Syste	011
rint Date: 6/12/2014	4 3:28:29 PM	Inspection Date			Inspectio		spection Ve	rsion: 14.04
	VIN	2T1BR32E83			DEL	Corolla	FUEL	G
VEHICLE	YEAR	2003	3	PL	ATE	123ASDF	WEIGHT	0 - 8500 lbs
DETAILS	MAKE	Toyo	xu	MIL	EAGE	12,345	EIR #	
DISPECTION		Inspection Result		Safety	OBD		sticker Number	Fe
INSPECTION RESULTS		FAIL		PASS	FAIL		Accel 140000	21.0
	of its' annual insp for the full inspect <u>THIS N</u> <u>THIS V</u> <u>RECEIPT</u>	ection within the l tion. <u>VOTICE MU</u> <u>VEHICLE H</u> IN THE VE NLY EXTE	last 30 days could UST BE DIS V AS BEEN 1 HICLE UN NSION, TH	SPLAYED EHICLE'S SSUED A TIL IT PA IIS VEHIC	ON THE 3 S WINDSH 10-DAY E SSES INS TLE WILL	LOWER LE HELD XTENSION	our vehicle has previously mission inspection and req FT CORNER OF , PLEASE KEEP THIS IS THIS VF TIVE ANOTHER 014	THE THIS
CONSUMER INFO	KOEO KOER Monitor Catalyst Monitor Heated C Monitor EVAP			x				
	VEHICLE INSPECTIO For additional information Department of Motor Veh http://www.dmv.org.gov. Or by telephone number:	n please contact the hicles at website address						
	For additional information Department of Motor Veh http://www.dmv.nv.gov	n please contact the hicles at website address 518-486-9786.	NYVIP2 Reco	rd Number		online/Offline	DMV Reco	rd Match

16-2 VIR Reprint

VIR Reprint

Should it be necessary to reprint a previous Vehicle Inspection Report (VIR), select 2. VIR Reprint.

Timcout	2	State of New York Vehicle Inspection Program	Version 14.04.06 5/30/2014 8:41:02 AM	S <u>ystech</u>
Printer Status		1. Vehicle Inspection Menu	1	
READY				7
Tones: 70% Dram: 97.78%	0000	1. Safety/Emissions		2 T
Sticker Inventory	9	12 1 0 11		<
Safety/Emission 18				<
Heavy Duty		2. VIR Reprint	B	
Motorcycle 79	1.00		ALL ALL DEL	0
Status		1942 70 I I		¥.
Test Auth.	M	3. Administrative Exemption		~
Lockouts				1
Cala Due		Clear DLC Connector Lockout	(1)	0
0 Next Cal	4.	Clear DEC Connector Lockout		
Now		C.C.		Þ
Scan Int		5. Previous		-
Current Ver.		0.1101003		[1]
Yes				
	Main Me	enu Help	0	
			And the second s	- Alle

VIR's from the most recent inspections will be displayed automatically. For older inspections there are several ways to search.

cout 00.00			State of Vehicle Inst	New Ye spection	IP2 ork n Program		sion 14.04.06 014 8:41:55 AM	Systee
		Test	Record Vie	w/Rep	print			
Field	Op	erator		Val	lue	_		
Date Time	• >	•	5/28/2014	8:41:51	ΛM	Ret	rieve	
			(Eg. MM/DD/	YYYY HH	EMM:SS)			
Result Test Record S	set							
Date Time	Moke	Model	Plote	Year	Vin	Result	Туре	
5/30/2014 8.06 AM	Toyota	Corolla	123ABC	2007	2T1BR32E77C739522	Pass	Test	
					(1 Reco	ords Found	
Fort					t all/P to print or	alt/C to c		
Fork					t alt/P to print or ict Print VIR to re	alt/C to c		

In the Field select the type of information to be searched for. This can be by **Date & Time, Vehicle Make, Vehicle Model, Plate, VIN,** or **Vehicle Year**.

(0 .0)		2	State of Vehicle In	New Y	IP2 York In Program		sion 14.04.06 014 8:42:27 AM	S <u>yste</u>
		WARD CONTRACTOR	est Record Vie		No. a statement			
Field		Operator			lue			
Date Time	· >		· 5/28/2014			Ret	rieve	
Date Time Make			(Eg. MM/DD/	YYYYH	HEMMESS)			
Model	Make	Model	Plate	Year	Vin	Result	Туре	
VIN	Toyota	Corolla	123ABC	2007	2T1BR32E77C739522	Pass	Test	
Year								
						1 Rec	ords Found	
For	keyboard hi	ighlight des	ired record and	Iselee	t alt/P to print or			
For					ct all/P to print or act Print VIR to re	alt/C to c		

Select the operator. The **Operator** field will narrow down the results by changing how the search is completed.

cout 00.00	2	State of Vehicle I		ork n Program		sion 14.04.06 014 8:42:54 AM	Systech
		Test Record Vi	ew/Rep	print		_	
Field	Operator		Va	lue			
Plate	• >	• (Ee	ABCDEF		Ret	rieve	
Result Test Record Se	2	(19	hooder	, 			
Date Time	10	Plote	Year	Vin	Result	Type	
5/30/2014 8.06 AM	T Starts With Ends With Contains	123ABC	2007	2T1BR32E77C739522	Pass	Test	
					1 Pac	ords Found	
				(ords Found	
Forka	ayboard highlight d	lesired record an	d selec	t alt/P to print or			
Fork	eyboard highlight d Double click a rec				alt/C to c		

'=' will only search for information that is an exact match

'>' will only search for information with values greater than what is entered'<' will only search for information with values lesser than what is entered'<>' will only search for information that is not the value entered.

'Starts with' will search for information that starts with the value entered **'Ends with'** will search for information that ends with the value entered

'Contains' will search for information that contains the value entered Enter the value that is being searched for in the **Value** field.

86

		2	St	ate of N hicle Insp	lew Y	IP2 fork in Program		sion 14.04.06 014 8:43:41 AN
		1	est Reco	rd View	//Re	print		
Field	0	perator			Va	lue		
Plate	Contains		• 123	(Eq. AB	BCDEF	5)	Ret	rieve
Result Test Record S	Set			(- j		,		
Date Time	Make	Model		Plate	Year	Vin	Result	Туре
5/30/2014 8.06 AM	Toyota	Corolla		123ABC	2007	2T1BR32E77C739522	Pass	Test
							1 Rec	ords Found
Fort	ceyboard hig	ghlight des	sired reco	rd and s	selec	ct alt/P to print or		
Fork						ct alVP to print or act Print VIR to re	alt/C to c	

Select **'Retrieve.'** This will search for the Value and display the results. Select the required inspection and select **'View/Print'** to view the VIR.

(0.0)		2		State of Vehicle Ins	New Y	IP2 fork in Program		sion 14.04.06 014 8:44:52 AM	Systech
		Т	est Re	ecord Vie	w/Re	print			
Field	Op	erator			Va	lue	-		
Plate	Contains		•	123	_		Ret	rieve	
				(Eg. A	ABCDE	5)	_		
Result Test Record S	et								
Date Time	Make	Model		Plate	Year	Vin	Result	Туре	
4/24/2014 4:17 PM	Toyota	Prus		12345	2010	JTDKN3DU5A1155891	Fail	Test	
4/24/2014 4:27 PM	Toyota	Prius		12345	2010	JTDKN3DU5A1155891	Waiver	Test	
5/30/2014 8:06 AM	Toyota	Corolla		123ABC	2007	2T1BR32E77C739522	Poss	Test	
						(3 Rec	ords Found	
Fork	eyboard hig	hlight des	ired re	ecord and	selec	ct alt/P to print or			
Fork	eyboard hig	hlight des		ecord and rieval Co					

Vehic	e of New York le Inspection Prog	Iram	VEHICLI	EINSPECTIO	N REPORT			Syste	
rint Date: 6/13/201	4 11:02:42 AM	Inspection Da	te: 6/13/2014 1		Inspectio		Inspection		rsion: 14.04. D
VEHICLE	VIN	3C6UR5CL31	0G515724	MODEL		Ram Pickup 2500	_	FUEL	
DETAILS	YEAR	2013		PLATE		123ASD	_	WEIGHT	8501-10000
DETITIES	MAKE	Ram		MILEAGE	\$	12,345		EIR #	N/A
INSPECTION		Inspection Result Safety			OBD		Sticker Num	ber	Fe
RESULTS		PASS		PASS	N/A		SI: 10192363		10.0
CONSUMER INFO									
							STLM (8 ")	SIL LAISA	
	VEHICLE INSPECTI For additional informati http://www.dmv.thg.gov Or by telephone number	ion please contact the Dep r: 518-486-9786	nartment of Motor Vehicl			Online/Offline		DMV Reco	rd Match
STATION	For additional informati http://www.dmv.ny.gov Or by telephone number	ion please contact the Dep r: 518-486-9786. Number 3		ord Number		Online/Offline Outine		DMV Reco Analyzer	

16-3 Daily Report

Daily Inspection Report

From the Main Menu, select **2.Utilities Menu** then select **1. Documents and Information**, and then select **3. Daily Reports**

Timeout	State of New Y Vehicle Inspection	IP2 ork n Program 6/	Version 14.04.08 17/2014 9:17:50 AM	S <u>ystech</u>
Printer Status	1. Documents and Info	rmation		
READY				
POWER SAVE Tone: 80% Drue: 97.91%	1. View\Print Docu	ments		2
Sticker Inventory Safety 26 Safety/Emission 8	Las 1	15-3	191	
Diesel Emission 20 Heavy Duty 40	2. VIR Reprin	ıt		2
Motorcycle		11/2	1000	6
Status	A State of the	AL.		<u>v</u>
Text Auth.	3. Daily Repor	ts		4
165 Lockouts	ALL MADE			2
Cals Due	4. View Bulletins\Me	essages		U.
Next Cal				Þ
15m	5. Previous			
Current Vec	10			10
	Main Menu	Help		

Highlight **Daily Reports** and select **'View'**

Timeout 00,00	State of New York Vehicle Inspection Program 6/17/2014 9:19:09 AM	S <u>ystech</u>
	Document Center	
	Available reports are listed below. Double click desired report or highlight and select "View" to load. ""Warning! Parameter selection will greatly affect amount of time it takes report to load.	
	Daily Report	
	Inspector(s) Tests	
	View <u>C</u> lose Help	

Change the **Start Date** and **End Date** to reflect the range that is to be printed.

Note: "To search for all inspections done on the 2^{nd} of December in 2012 please enter 12/02/2012 in the Start Date and 12/03/2012 in the End Date."

Report Search ment Center Please enter a start and end date to search all inspections for this station. Example: To search for all inspections done on the 2nd of December in 2012 please enter 1202/2012 in the start date and 1203/2012 in the end date. To search for all inspections done in the year 2012, please enter 01/01/2012 in the start date and 0101/2013 in the end date. Start Date 05/01/2014 06/01/2014 0K Close at 0 for hoter at C tor teder	Timeost 00.00	State of New York Vehicle Inspection Program	6/17/2014 9:20:56 AM	S <u>ystech</u>
Please enter a start and end date to search all inspections for this station. It desired report or highlight and select 'View' to load. Example: To search for all inspections done on the 2nd of December in 2012/2012 in the start date and 12/03/2012 in the end date. It desired report or highlight and select 'View' to load. To search for all inspections done on the 2nd of December in 2012/2012 in the start date and 12/03/2012 in the end date. It desired report or highlight and select 'View' to load. To search for all inspections done in the year 2012, please enter 01/01/2013 in the end date. It desired report or highlight and select 'View' to load. Start Date End Date 05/01/2014 06/01/2014 <u>0K</u> Close	 Report Search			
	Please enter a start and end date to sea all inspections for this station. Example: To search for all inspections done on the 2nd of December in 2012 please enter 1202/2012 in the start date and 12/03/2012 in the date. To search for all inspections done in the year 2012, please enter 01/01/2012 in the start date and 01/01/2013 in the end date. Start Date End Date	ORTCH ck desired report or highlight an satly affect amount of time it take	d select 'View' to load. Is report to load.	
View Close Help	at 0 for hotkey at C for hotkey			

Select **'OK'**. The message **"Loading Reports, Please wait"** will display. Once the report is generated and displayed on the screen, select **'Print'** to print the report or **'Close'** to return to the Document Center.

Number Page State of New York Daily Report Nin Vehide Page Data Fairy Certified Kon Observe States Certified Kon Maker if	VIN Vehicle Ve
VIN Vehich Anne / Dispection Dang Large Carrellow / Lange Dispection Dang Large Carrellow / Lange Other wat Million	VIN Vehicle Faire Inspection Data Early Certified Inspection ECD Odosseter Safery Certified Carefic Cer
VIN Vestion Particle Independent Independent Data Tamey Carefielde KLD Obsolve State Carefielde KLD State	VIN Versite Versite Function Engention Instrume Inspection Inspection Dask Entry Inspection Certificitie Inspection R.D. Owner Inspection Certificitie Inspection R.D. Owner Inspection Certificitie Inspection R.D. Owner Inspection Inspection Dask Entry Inspection Certificitie Inspection R.D. Owner Inspection Inspection Dask Entry Inspection Certificitie Inspection R.D. Owner Inspection Extension Season Season<
IIIIII JUI BOTE DIFACION 1 Softwarf Laws JOCS III F JONE 695300 301 EGA SOFLAT 12302441 1 Keystarf Laws JUIG JUII P JONE JONE <th>IIIIII J BOCK FACMAN Line Mark J Adjust and JACA IIII I JANN 601304 J BOCK ROLAT SIZMA I Replant Easty JACA IIII F JANN JAIA609124691 JUI Acca SOLAT SIZMA I Replant Easty JACA N SOLAT JACA N Acca N</th>	IIIIII J BOCK FACMAN Line Mark J Adjust and JACA IIII I JANN 601304 J BOCK ROLAT SIZMA I Replant Easty JACA IIII F JANN JAIA609124691 JUI Acca SOLAT SIZMA I Replant Easty JACA N SOLAT JACA N Acca N
MYONG Diff Based Official 1 Application	197000 Jili Deads SORATA 11.223 AAI 1 Defending 11111 7 2.000 LD164903126491 3011 Acora SORATA 11.223 AAI 1 Sofbuilt acora 107.0 1 1 7 2.000 1
Linkewinization Juit Autor SHIATATE Linkewinization J Linkewinization J Linkewinization ScieFeitandersitzer Juite Autor Station Juite ScieFeitandersitzer Juite P F F ScieFeitandersitzer Juite ScieFeitandersitzer Juite F ScieFeitandersitzer Juite F F F ScieFeitandersitzer Juite ScieFeitandersitzer Juite F ScieFeitandersitzer Juite F F F ScieFeitandersitzer Juite ScieFeitandersitzer Juite ScieFeitandersitzer Juite F F F ScieFeitandersitzer Juite ScieFeitandersitzer Juite F ScieFeitandersitzer Juite F F F ScieFeitandersitzer Juite ScieFeitandersitzer Juite F ScieFeitandersitzer Juite F F F Juite Juite Juite Juite Juite Juite Juite <t< th=""><td>D308/99/10.09/0 2011 Abox NOTATI 12200 Abit 1 Delysani Easty 11% P D308 F F NORFERLINGULU 2044 Chrystell 1 Delysani Easty 11% P D308 F F NORFERLINGULU 2044 Chrystell 1 DM/10 Linux 11% P 5403 F F New MARCHARD 2044 Chrystell Face 1 DM/10 Linux 10% F 5 5 110/10</td></t<>	D308/99/10.09/0 2011 Abox NOTATI 12200 Abit 1 Delysani Easty 11% P D308 F F NORFERLINGULU 2044 Chrystell 1 Delysani Easty 11% P D308 F F NORFERLINGULU 2044 Chrystell 1 DM/10 Linux 11% P 5403 F F New MARCHARD 2044 Chrystell Face 1 DM/10 Linux 10% F 5 5 110/10
ColdPathEdD1317 206 Chrystel 4/37 1.3348 P/s 1 Basesie/178 1/f.X P 4/312 P F Nu42.549/C006666 302 Numa 1.3348 P/s 1 Basesie/178 1/f.X P 4/312 P F Nu42.549/C006666 302 Numa 1.3348 P/s 1 Rephase/Easy 1/f.X P 1/326 P P 1/1653	Non-Generalization Subscription Subscription T Reconstruction Table P Subscription F F Non-Generalization Non-
DALAPESSEST DE SANA DAS PA 1 REPAIRENT MEN P 1255 P P 11530	
CALMONTHING IN CAME AND A CAME AN	CALIMONTHERE PARTY IN VIEW SUPARTY PARTY IN VIEW VIEW
IGCARGEARFIIRIA JUIA OTREE 13345 ACCALT 1 Reyboard Easy 14TA 13245 P	



VIN	Vehicle Year	Vehicle Make	Plate Number	Inspection Date and Time	Inspection Type	Data Entry	Certified Inspector	ECD Result	Odometer Reading	Safety Result	OBD II Check Result	Certificate Number	Waiver or Extension	Advisory Scan
1N4AL2AP0CN556647	2012	Nissan	FYS8269	4/21/2014 12:52:25 PM	I	DMV 2D Barcode	14TA	P	12345	P	Р	1145281		
1G2ZH57N474267020	2007	Pontiac	123ASD	4/23/2014 1:06:40 PM	I	Keyboard Entry	14TA	P	12345	P	Р			
1NXBR32EX3Z172411	2003	Toyota	123456	4/25/2014 11:50:02 AM	R	Keyboard Entry	14TA	P	12345	P	F			
1NXBR32E77Z905763	2007	Toyota	12345	4/25/2014 11:53:11 AM	I	Keyboard Entry	14TA	P	12345	P	F			
1NXBR32E77Z905763	2007	Toyota	12345	4/25/2014 11:58:22 AM	R	Keyboard Entry	14TA	P	12345	P	F		Ten-Day Extension	
1NXBR32E77Z905763	2007	Toyota	12345	4/25/2014 12:00:44 PM	R	Keyboard Entry	14TA	P	12345	P	F	1145282	Waiver	
1MEFM55S31A609065	2001	Mercury	12345	4/25/2014 12:25:11 PM	R	Keyboard Entry	14TA	P	12345	P	F			
1GC4K0C84FF115154	2015	OTHER	12345	5/2/2014 9:32:47 AM	I	Keyboard Entry	14TA		12345	P				
1N4AL2AP0CN556647	2012	Nissan	123ASD	5/9/2014 1:22:41 PM	I	Keyboard Entry	14TA	P	12345	P	Р	1145283		
3FRMF65Z65V136712	2005	Ford	12345	5/29/2014 4:01:38 PM	I	Keyboard Entry	14TB		12345	P				

17 NYVIP2 Troubleshooting Guide

17-1 PC Issues

PC Won't Power Up

- Verify that the computer (PC) power cord is properly connected to the computer and the power strip.
- \blacklozenge Verify that the power switch on the power strip is turned on and illuminates red.
- Disconnect all cables except the Power cord to the PC and try powering the unit up.
- ◆ If the PC powers on with nothing connected, connect peripherals one at a time to see which one is causing an issue with the unit. If the PC doesn't power on with a specific peripheral connected contact Opus Inspection at 1-866-OBD-TEST (1-866-623-8378).
- If the PC does not power on once all peripherals have been disconnected contact Opus Inspection at 1-866-OBD-TEST (1-866-623-8378).

Fan Error or PC has a noisy fan

Contact Opus Inspection at 1-866-OBD-TEST (1-866-623-8378).

PC Error Messages

If any of the following error messages are displayed on the analyzer contact Opus Inspection at 1-866-OBD-TEST (1-866-623-8378).

- Registry Error
- SYSTEST.EXE Error
- Unable to connect to local database
- Hard drive not found

17-2 Monitor Issues

Blank Screen

- Verify that the Monitor to PC cable is properly connected to the PC and the monitor.
- Verify that the monitor power cord is properly connected to the monitor and the power strip.
- Verify that the monitor power indicator light is on. This will be yellow if the PC is not on or blue if the PC power is on.
- If the light is not on, press and release the power button on the monitor.
- If the power light still does not illuminate or is yellow contact Opus Inspection at 1-866-OBD-TEST (1-866-623-8378).

17-3 Test Authorization Issues

Test Authorization Lockout/Not downloading from VID

If unable to download Test Authorizations purchased from <u>www.NYVIP.org</u> try the following:

- Perform a Full Data File Refresh
- If the analyzer has Test Authorizations in inventory but has a Test Authorization lockout, initiate an inspection to clear the lockout.
- If the analyzer still has a Test Authorization lockout contact Opus Inspection at 1-866-OBD-TEST (1-866-623-8378)

17-4 OBDII Issues

Wired/Wireless OBDII

 OBDII DLC Lockout/NYVIP2 Connector Suspension – Refer to Section 12 Lockouts-OBDII DLC Lockout/NYVIP2 Connector Suspension

OBDII Vehicle Communication Failure

- Disconnect the OBDII cable from the back of the computer
- Shut down the analyzer
- Disconnect all cables from the OBDII Interface
- Check the cables for any damage
- Verify that pins on the DLC connector are not bent, broken, or missing
- Connect all cables to the OBDII interface and computer.
- Start the analyzer.
- If the OBDII is still failing to communicate please contact Opus Inspection at 1-866-OBD-TEST (1-866-623-8378).

17-5 Barcode Scanner Issues

Wireless barcode scanner

Not Responding

Verify the barcode scanner base charger is functioning:

- Verify that all cables are securely connected.
- \blacklozenge When connected properly the light on the charger will be red.
- When the barcode scanner is in the charging base the light will change to half red and half green.
- Press the Honeywell button on the charging base to verify that the barcode scanner beeps. If the lights on the barcode scanner charging base are illuminated and has responded with a beep, perform the following steps.

From the Main Menu select:

- 2. Utilities
- 4. Configuration
- 4. Configure Serial/Communications Ports
- In box labeled All Ports, confirm that the XENON 1902 WIRELESS barcode scanner is listed.
- If the barcode scanner is not listed and the update box is not grayed out click on the 'Update'. If 'Update' option is grayed out (or clicking on update didn't resolve the issue) scan the default barcode below:



- Confirm that the XENON 1902 WIRELESS barcode scanner is now listed. If not listed the system may need to be rebooted.
- Confirm the configuration is now correct.
- ◆ If still not functioning contact Opus Inspection at 1-866-OBD-TEST (1-866-623-8378).

Wired barcode scanner is not responding

- Disconnect the barcode scanner cable from back of the computer.
- \blacklozenge Disconnect the barcode scanner cable from the base of the barcode scanner handle
 - Locate the small hole on the bottom of the barcode scanner handle. Insert a paperclip to release the cable from the base of the barcode scanner (do not use anything other than a paperclip to disconnect the cable).

Do not attempt to separate the coiled cable from the extension cable. This could result in the cancellation of the warranty.

- Check cable for any physical damage, any cuts or breaks in the wire casing or exposed wires.
- Shut down the analyzer.
- \blacklozenge Connect the barcode scanner cable to the back of the PC
- Power on the analyzer

If still not responding re-flash the barcode scanner by scanning the default barcode below:



If still not responding contact Opus Inspection at 1-866-OBD-TEST (1-866-623-8378)

17-6 Communication Issues

Unsuccessful communication using a Dial-Up Connection

- Confirm phone cable is securely connected in the proper phone port
- If it is not then secure the connection and check VID Communication –Refer to Section 15 Lockouts- Administrative Lockout for No Contact

If cable is securely connected and still failing VID Communication:

- Unplug phone cable from the back of the computer and plug it into an analog phone to confirm the phone line has a good dial tone and that there is no noise or static on the line.
- If there is no dial tone or there is noise or static on the line, contact the phone service provider and have the problem corrected.
- If the phone line has a dial tone and no interference, plug the phone line back into the computer and confirm that the Dial Up connection is configured properly.

Confirm that Dial-Up is configured properly:

From Main Menu select:



- 5.Communications
- 3.Network Settings
- 1.Enable Dial Up

Answer the following questions that are displayed:

- "Is station in "518" area code"? Select 'Yes' or 'No'
- "Is a prefix needed to dial out"? Select 'Yes' or 'No'. If yes, enter the appropriate prefix and select 'Save'
- If the analyzer is not able to make a successful connection, contact Opus Inspection at 1-866-OBD-TEST (1-866-623-8378).

Unsuccessful Communication using a Wireless/Broadband Connection

- If using a wired internet connection (LAN line), verify that the CAT-5 cable is securely connected to the correct port (Ethernet port) in the back of the computer and to the router/modem. If there is a valid connection the port on the back of the computer should illuminate green and amber
- If using a wireless internet connection, verity that the wireless adapter is plugged into the correct port in the back of the computer and that the blue light is flashing

Reboot the modem/router

Confirm that wireless/broadband connection is configured properly:

From Main Menu select:

- 2. Utilities Menu
- 5.Communications
- 3.Network Settings
- 3. Enable Broadband or 4. Enable Wireless

Wireless Connection

- Select 'Refresh Wireless Networks' to display available networks
- Select Facility's SSID from the box on the right side of the screen
- Enter the Wireless Password
- Select 'Save'

If using a Static IP address for Wired or Wireless Internet Connection:

Select Yes (Advanced)

Enter the address for each of the following into the appropriate text box:

- ◆ IP address
- Default Gateway
- Preferred DNS server
- Alternate DNS server
- Click on "Save Network Settings"

A "Connection is Successful" message will appear.

 Confirm that communication is successful by checking VID Communication –Refer to Section 15 Lockouts- Administrative Lockout for No Contact

 If system still fails to communicate contact Opus Inspection at 1-866-OBD-TEST (1-866-623-8378).

17-7 Inspector ID Issues

Inspector Not Found

Add inspector using the Add/Remove inspector from analyzer:

3. Station Facility Menu 3. View/Add Registered Inspectors

Inspectors can also be added or removed from the Opus website at www.NYVIP.org

Password Invalid

Contact Opus Inspection at **1-866-OBD-TEST** (**1-866-623-8378**)

17-8 Sticker Issues

"Entered Sticker Range is not Valid or Present" message

- Perform a Full Data Refresh to verify that the sticker books were downloaded.
- ◆ If the stickers are still not displaying contact Opus Inspection at 1-866-OBD-TEST (1-866-623-8378)

For any other sticker related information

• Refer to section **11 Sticker Inventory**

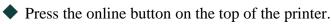
17-9 Printer Issues

Printer Status is Offline/Not Ready

When a printer is ready and online it should have two green lights illuminated on the top of the printer. The first light indicates power, the second shows that the printer is online.

The next two lights are error lights. If either of the error lights are illuminated the printer is not ready and will cause a printer lockout.

If the printer is offline/not ready:



If the printer is still offline/not ready:



- \blacklozenge Verify that the printer USB cable is properly connected to the printer and the computer.
- \bullet Verify that the power cord is properly connected to the printer and the power strip.

- Verify that the printer power switch that is located on the left panel of the printer is on.
- Verify that the correct model of printer is selected as the default printer (OKIB4400).

From the **Main Menu** select:

- 2. Utilities
- **3**. Configuration
- 3. Printer Selection

Confirm that the OKIB4400 is highlighted in both the Default and VIR Printer Fields. If they are not, highlight both and select 'Save'

If the printer is offline/not ready: Contact Opus Inspection at 1-866-OBD-TEST (1-866-623-8378).

Paper Jam

- Pull out the paper tray. Make sure there is paper in the tray. Check for any paper hanging down from the bottom. Gently pull any paper that is jammed.
- Open the top of the printer. Take out the toner and drum and make sure there is no paper underneath or in the back of the printer.

To Replace/Order Toner

• Refer to section **14 Toner Replacement**

If all printer lights are flashing

• Contact Opus Inspection at 1-866-OBD-TEST (1-866-623-8378)

Printing Black Pages or Black Streaks on the Page

• Contact Opus Inspection at 1-866-OBD-TEST (1-866-623-8378)

18 Appendices

Appendix A: NYVIP2 Acronyms

NEW YORK VEHICLE INSPECTION PROGRAM (NYVIP2)

Acronyms

Term/Acronym	Definition/Phrase
1D	Linear barcode
2D	2 dimensional bar code
AIM	Automatic Identification Manufacturer
ASCII	American Standard Code for Information Interchange
BAR	California Bureau of Automotive Repair
BIOS	Basic Input Output System
CAL ID	Calibration Identification Number
CARB	California Air Resource Board
САТ	Catalytic Converter
CNG	Compressed Natural Gas
CVIS (Analyzer)	Computerized Vehicle Inspection System
CVN	Calibration Verification Number
COTS	Common Off The Shelf (Software)
DEC	NYS Department of Environmental Conservation
DLC	Diagnostic Link Connector
DMV	NYS Department of Motor Vehicles
DTC	Diagnostic Trouble Code
ECD	Emission Control Device
ECM	Electronic/Engine Control Module
ECU	Electronic Control Unit
EPA	US Environmental Protection Agency
F	Fail

GUI	Graphical User Interface
GVW	Gross Vehicle Weight
HDV	Heavy Duty Vehicle
I/M	Inspection/Maintenance
КОЕО	Key On, Engine Off
KOER	Key On, Engine Running
LDT	Light Duty Truck
LDV	Light Duty Vehicle
LPG	Liquefied Petroleum Gas
MIL	Malfunction Indicator Light/Lamp
MY	Model Year
NYMA	New York Metropolitan Area
OBD	Onboard Diagnostics
Р	Pass
РСМ	Powertrain Control Module
PCV	Positive Crankcase Ventilation
PID	Parameter Identification
SAE	Society of Automotive Engineers
ТСМ	Transmission Control Module
TLC	New York City Taxi and Limousine Commission
VID	Vehicle Inspection Database
VIN	Vehicle Identification Number
Y/N	Yes/No Response

19 Index

10-Дау	
Acronyms	
Barcode Scanner	
Brake/Wheel	
Broadband	
Communication	
Configuration	
Daily Report	
Data file refresh	
Default barcode	
Dial-Up	
DLC	
Drum	
ECD	
Emissions	
Equipment	
Error Message	
Ethernet	
Gas Cap	
Honeywell	
Inspection 1, 5, 6, 7, 10, 14, 17, 18, 26, 37, 43, 44, 46, 47, 48, 49,	
93, 94, 95, 96, 97, 98, 99, 100	01, 11, 12, 13, 11, 19, 00, 03, 05, 00, 09, 91, 92,
Inspection Process	5 7 19 39 60 70 78 79 81
Inspector	
Keyboard	
Lockout	11 39 41 42 43 44 46 77 79 92 97
Lockout	
Manual Entry	
Manual Entry MIL	
Manual Entry MIL Monitor	
Manual Entry MIL Monitor Motorcycle	
Manual Entry MIL Monitor Motorcycle Mouse	
Manual Entry MIL Monitor Motorcycle OBDII	
Manual Entry MIL Monitor Motorcycle Mouse OBDII Offline	
Manual Entry MIL Monitor Motorcycle Mouse OBDII Offline Opacity	53
Manual Entry MIL Monitor Motorcycle Mouse OBDII Offline Opacity Paper Jam	53
Manual Entry MIL Monitor Motorcycle Mouse OBDII Offline Opacity Paper Jam Password.	53
Manual Entry MIL Monitor Motorcycle Mouse OBDII Offline Opacity Paper Jam Password Phone	53
Manual Entry MIL Monitor Motorcycle Mouse OBDII Offline Opacity Paper Jam Password Phone Printer	53
Manual Entry MIL Monitor Motorcycle Mouse OBDII Offline Opacity Paper Jam Password Phone Printer Safety	53
Manual Entry MIL Monitor Motorcycle Mouse OBDII Offline Opacity Paper Jam Password Phone Printer Safety Shutdown	53
Manual Entry MIL Monitor Motorcycle Mouse OBDII Offline Opacity Paper Jam Password Phone Printer Safety Shutdown Static IP	53
Manual Entry MIL Monitor Motorcycle Mouse OBDII Offline Opacity Paper Jam Paper Jam Password Phone Printer Safety Shutdown Static IP Station licenses	53
Manual Entry MIL Monitor Motorcycle Mouse OBDII Offline Opacity Paper Jam Paper Jam Password Phone Printer Safety Shutdown Static IP Station licenses Station/Facility	53
Manual Entry MIL Monitor Motorcycle Mouse OBDII Offline Opacity Paper Jam Password. Phone Printer Safety Shutdown Static IP Station licenses Station/Facility Sticker	53
Manual Entry MIL Monitor Motorcycle Mouse OBDII Offline Opacity Paper Jam Paper Jam Password Phone Printer Safety Shutdown Static IP Station licenses Station/Facility Sticker Type	53
Manual Entry MIL Monitor Motorcycle Mouse OBDII Offline Opacity Paper Jam Paper Jam Paper Jam Password Phone Printer Safety Safety Shutdown Static IP Station licenses Station licenses Station/Facility Sticker Type Test Authorization	53
Manual Entry	53 5, 75, 76, 100 6, 92 19 6, 7 5, 7, 8, 43, 79, 81, 92, 93 39, 46, 97, 98 7, 8, 11 98 11, 14, 27, 96, 97 95 7, 17, 44, 45, 46, 97, 98 4, 5, 62, 71, 81 10, 13 96 11 10, 12, 20, 26, 40 10, 12, 25, 26, 27, 28, 80, 97 25, 28, 29, 30, 31, 34 20, 22, 23, 92 60
Manual Entry MIL Monitor Motorcycle Mouse OBDII Offline Opacity Paper Jam Paper Jam Paper Jam Password Phone Printer Safety Safety Shutdown Static IP Station licenses Station licenses Station/Facility Sticker Type Test Authorization	53 5, 75, 76, 100 6, 92 19 6, 7 5, 7, 8, 43, 79, 81, 92, 93 39, 46, 97, 98 7, 8, 11 98 11, 14, 27, 96, 97 95 7, 17, 44, 45, 46, 97, 98 4, 5, 62, 71, 81 10, 13 96 11 10, 12, 20, 26, 40 10, 12, 25, 26, 27, 28, 80, 97 25, 28, 29, 30, 31, 34 20, 22, 23, 92 60 47, 98

Troubleshooting
USB
VIR
Waiver
Warning
Warranty
Wireless