

# Instruction Manual

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## Installation Preparation

*This chapter provides information **required** for the installation of the Neo iON, it must be read by all users.*

Thank you for purchasing the Neo iON. Since the Neo iON works in many different vehicles the following steps must be taken to ensure the iON is set up correctly for the vehicle it is being installed in.

### Before Installation

To prevent damage to your vehicle and the iON take the following precautions.

1. Turn off the ignition and remove the negative (-) battery cable prior to installation.

**NOTE:** If the vehicle is equipped with an on-board drive or navigation computer, do not disconnect the battery cable. If the battery cable is disconnected, the computer memory may be lost. Under these conditions, use extra caution to avoid causing a short circuit during installation. **If your radio has a security code make sure you know the code and how to enter it prior to removing the battery cable. The radio will require this code to operate when the battery terminal is reconnected.**

2. Do not install the unit in the following locations:
  - A. Locations exposed to direct sunlight
  - B. Locations where hot air flows from the cars heater

## First Step (For All Vehicles)

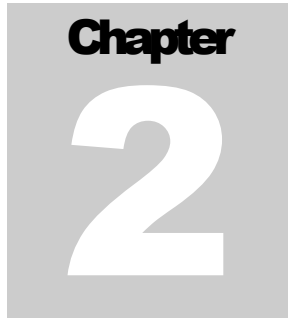
The first and most important step in using the Neo iON is setting the dip-switches on the black box; this makes the iON compatible with the vehicle it is being installed in. The iON **will not work** if this step is not followed correctly.

The dip switches can be found on the side of the black plastic box which connects to the iON. Switches are in the “**ON**” position when they are switched **down**. Black box settings for each vehicle can be found on the vehicles installation page. Refer to the index to find the page number within this manual that covers your vehicle.

## Dip-Switch Overview

The dip switches can be found on the side of the black plastic box that connects to the iON. Switches are in the “**ON**” position when they are switched **DOWN**. Black box settings for each vehicle can be found on the vehicles installation page. Refer to the index to find the page number that covers your vehicle.

	1	2	3	4	5	6	7	8
Acura	<b><u>ON</u></b>	OFF	OFF	<b><u>ON</u></b>	OFF	OFF	OFF	<b><u>ON</u></b>
Audi / VW	<b><u>ON</u></b>	OFF	OFF	OFF	OFF	OFF	OFF	<b><u>ON</u></b>
Ford	OFF	<b><u>ON</u></b>	OFF	OFF	OFF	OFF	OFF	<b><u>ON</u></b>
Ford Focus	<b><u>ON</u></b>	<b><u>ON</u></b>	OFF	OFF	OFF	OFF	OFF	<b><u>ON</u></b>
GM old	OFF	OFF	<b><u>ON</u></b>	OFF	OFF	OFF	OFF	<b><u>ON</u></b>
GM Class 2	<b><u>ON</u></b>	OFF	<b><u>ON</u></b>	OFF	OFF	OFF	OFF	<b><u>ON</u></b>
GM XM	OFF	<b><u>ON</u></b>	<b><u>ON</u></b>	OFF	OFF	OFF	OFF	<b><u>ON</u></b>
Chrysler new	OFF	OFF	OFF	<b><u>ON</u></b>	OFF	OFF	OFF	<b><u>ON</u></b>
Chrysler old / Honda	<b><u>ON</u></b>	OFF	OFF	<b><u>ON</u></b>	OFF	OFF	OFF	<b><u>ON</u></b>
Toyota	<b><u>ON</u></b>	<b><u>ON</u></b>	OFF	<b><u>ON</u></b>	OFF	OFF	OFF	<b><u>ON</u></b>



## Vehicle Installation

*In this chapter you will learn how to install the Neo iON in specific vehicles.*

### Acura

Before connecting any cables to the black box you must set the dip switch to the Chrysler New / Honda / Acura position. If you set the dip-switches after you have connected cables to the box, you must disconnect and reconnect them for the iON to operate.

**SETTINGS  
FOR ALL  
ACURAS**

1	2	3	4	5	6	7	8
<b><u>ON</u></b>	OFF	OFF	<b><u>ON</u></b>	OFF	OFF	OFF	<b><u>ON</u></b>

- § **All Models (1992-2001)** – Connector behind the radio, use the “Chrysler New” cable and the black box settings above.
- § **Acura NSX, SLX, and MDX (1996 and Up)** – Not Compatible.
- § **Acura’s with navigation are not compatible.**

The radios display may not show the proper disc number after disc six. You can use all 10 discs in the magazine, but the readout will be wrong. This is not a technical problem; the car stereo was designed for no more than six discs.

**OPERATION**

Plug an iPod into the iON’s connector  
 Switch to the Neo iON by pressing the **CD** button on the radio.  
 Select a playlist and press play on the iPod  
 To change tracks simply press “**Seek <**” or “**Seek >**”  
 To FF/RW simply hold “**Seek <**” or “**Seek >**”

## VEHICLE INSTALLATION

### Audi

Make sure you have your radio's theft protection code before you attempt installation. When you reconnect power to the battery, you will need to enter this code. Information about the theft protection code can be found in your vehicle's audio operation manual.

Before connecting any cables to the black box you must set the dip switch to the Audi position. If you set the dip-switches after you have connected cables to the box, you must disconnect and reconnect them for the iON to operate.

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**SETTINGS  
FOR ALL  
AUDIS**

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1	2	3	4	5	6	7	8
<b>ON</b>	OFF	OFF	OFF	OFF	OFF	OFF	<b>ON</b>

§ **All Models (1998-2004)** – Pre-wired 13-pin CD iON cable in the left-rear trunk of all Audi vehicles.

§ **Audi A8 (2003-2004)** – Not Compatible.

§ **Audi A6 (2004)** – Not Compatible.

Once you connect the Neo iON, turn on your radio. A CD icon will appear on the display of your radio showing that the Neo iON is ready to use. **This step may take up to three minutes and could require the iPod be connected.**

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**OPERATION**

---

Plug an iPod into the iON's connector

Switch to the Neo iON by pressing the **CD/Mode** button on the radio.

Select a playlist and press play on the iPod

To change tracks simply press "**Seek <**" or "**Seek >**"

To FF/RW simply hold "**Seek <**" or "**Seek >**"

## VEHICLE INSTALLATION

### Ford (Ford, Lincoln, Mercury)

Before connecting any cables to the black box you must set the dip switch to the “Ford 1” position. If you set the dip-switches after you have connected cables to the box, you must disconnect and reconnect them for the iON to operate.

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**SETTINGS  
FOR FORD  
FOCUS &  
COUGAR**

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1	2	3	4	5	6	7	8
<b>ON</b>	<b>ON</b>	OFF	OFF	OFF	OFF	OFF	<b>ON</b>

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**SETTINGS  
FOR ALL  
OTHERS**

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1	2	3	4	5	6	7	8
OFF	<b>ON</b>	OFF	OFF	OFF	OFF	OFF	<b>ON</b>

See the next page for a full list of vehicles as well as plug location in each.

See **Ford Appendix** on **page 15** of this manual if you plan to install the iON in a 2004 Town Car, 2004 Grand Marquis, 2004 Murauder, 2004 LS, or 2004 Ford Crown Victoria.

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**OPERATION**

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Plug an iPod into the iON's connector

Switch to the Neo iON by pressing the **CD** button on the radio.

Select a playlist and press play on the iPod

To change tracks simply press “**Seek <**” or “**Seek >**”

To FF/RW simply hold “**Seek <**” or “**Seek >**”

### INSTALLATION WARNING

If you use Ford 16-pin, Ford 20-pin, or Ford RCU cables make sure you connect the yellow cable to constant 12v and black to ground. We recommend connecting these cables to the same power source going to the radio to avoid a ground loop.

**VEHICLE INSTALLATION**

Model	Year(s)	Changer Location and Notes
<b>Ford</b>		
Crown Victoria	1995-1997	16-Pin connector at headunit. Premium Audio System
Crown Victoria	1995-1997	RCU (Rear Control Unit) in the trunk. Premium Audio System
Crown Victoria	1998-2003	20-Pin connector at headunit.
Escape	2001-2004	20-Pin connector at headunit.
Econoline	1997	16-Pin connector at headunit. Premium Audio System
Econoline	1998-2004	20-Pin connector at headunit.
Escort	1997-2004	16-Pin connector at headunit.
Excursion	2000-2004	20-Pin connector at headunit.
Expedition	1997-1998	16-Pin connector at headunit. Premium Audio System
Expedition	1999-2003	20-Pin connector at headunit.
Explorer	1995-1997	16-Pin connector at headunit. Premium Audio System
Explorer	1995-1997	RCU (Rear Control Unit) in the trunk. Premium Audio System
Explorer	1998-2004	20-Pin connector at headunit.
F-150 Pick-Up	1997	16-Pin connector at headunit. Premium Audio System
F-Series Pick-Up	1998-2003	20-Pin connector at headunit.
Focus	2000-2003	12-Pin connector at headunit. 6 Disc Changer only
HN80 Heavy Truck	1996-1997	16-Pin connector at headunit. Premium Audio System
Mustang	2001-2004	20-Pin connector at headunit.
Ranger	1995-1997	16-Pin connector at headunit. Premium Audio System
Ranger	1998-2004	20-Pin connector at headunit.
Sport Trac	2000-2004	20-Pin connector at headunit.
Taurus	1996-2004	RCU (Rear Control Unit) in the trunk.
Thunderbird	2000-2004	20-Pin connector at headunit.
Windstar	1999-2004	20-Pin connector at headunit.
<b>Lincoln</b>		
Continental	1995-1997	16-Pin connector at headunit. Premium Audio System
Continental	1995-1997	RCU (Rear Control Unit) in the trunk. Premium Audio System

Model	Year(s)	Changer Location and notes
Continental	1998-2004	20-Pin connector at headunit.
LS	2000-2003	20-Pin connector at headunit.
Mark VIII	1995-1998	16-Pin connector at headunit. Premium Audio System
Navigator	1997-1998	16-Pin connector at headunit. Premium Audio System
Navigator	1999-2003	20-Pin connector at headunit. 16-Pin connector at headunit.
Town Car	1995-1997	Premium Audio System
Town Car	1995-1997	RCU (Rear Control Unit) in the trunk. Premium Audio System
Town Car	1998-2003	20-Pin connector at headunit.
<b>Mercury</b>		
Cougar	1999-2004	12-Pin connector at headunit. 6 Disc changer only
Grand Marquis	1995-1997	16-Pin connector at headunit. Premium Audio System
Grand Marquis	1995-1997	RCU (Rear Control Unit) in the trunk. Premium Audio System
Grand Marquis	1998-2003	20-Pin connector at headunit.
Mountaineer	1997	RCU (Rear Control Unit) in rear passenger side panel. 16-Pin connector at headunit.
Mountaineer	1997	Premium Audio System
Mountaineer	1998-2004	20-Pin connector at headunit.
Sable	1996-2005	RCU (Rear Control Unit) in trunk/rear.
Tracer	1995-2004	16-Pin connector at headunit. 16-Pin connector at headunit.
Villager	1997-1998	Premium Audio System
Villager	1999-2002	20-Pin connector at headunit.



VEHICLE INSTALLATION

**GM (Buick, Cadillac, Chevy, GMC, Pontiac, Saturn)**

**\*PLEASE READ\***

**\*1995-1999 Radios with built in CD player (Except Corvette) are NOT compatible with the Neo ION.**

**\*2000-2004 Radios with built in CD player ARE compatible.**

**Separate OEM CD (1995-2004) or OEM Cassette (2000-2004) must be disconnected to use the Neo ION.**

**2003 – 2005: If XM mode is used you cannot use the GM factory XM tuner. If installed you must unplug it for the Neo iON to work.**

**Corvette: Please see GM-Corvette appendix, page 16**

Before connecting any cables to the black box you must set the dip switch box to the position listed for your vehicle. If you set the dip-switches after you have connected cables to the box, you must disconnect and reconnect them for the iON to operate. GM's use one of three cables (GM-A, GM-B, GM-C); use the cable that fits, and follow GM table connection guide

GM has 3 protocols, please determine your car's protocol using the guide (see next page), and set the black box accordingly.

**SETTINGS  
FOR CLASS 2**

1	2	3	4	5	6	7	8
<b>ON</b>	OFF	<b>ON</b>	OFF	OFF	OFF	OFF	<b>ON</b>

**SETTINGS  
FOR XM**

1	2	3	4	5	6	7	8
OFF	<b>ON</b>	<b>ON</b>	OFF	OFF	OFF	OFF	<b>ON</b>

2003 – 2005: If XM mode is used you cannot use the GM factory XM tuner. If installed you must unplug it for the Neo iON to work.

**SETTINGS  
FOR E & C**

1	2	3	4	5	6	7	8
OFF	OFF	<b>ON</b>	OFF	OFF	OFF	OFF	<b>ON</b>

**VEHICLE INSTALLATION**

Model	Year(s)	Changer Location and Notes
<b>Buick</b>		Notes for Buick: Requires GM factory CD data cable part # 12344003 if not pre-wired in trunk.
Century	1997-2003	GM-B Cable in trunk. Protocol: E&C
Le Sabre	2000- 2002	GM-B Cable in trunk. Protocol: Class 2
Le Sabre	1995-1999	GM-B Cable in trunk. Protocol: E&C
Park Ave	1995-2005	GM-B Cable in trunk. Protocol: E&C
Rainer	2004	GM-C cable behind Radio Protocol: XM
Regal	1995-2003	GM-B Cable in trunk. Protocol: E&C
Riviera	1996-1999	GM-B Cable in trunk. Protocol: E&C
Rendezvous	2003-2005	GM-C cable behind Radio Protocol: XM
Roadmaster	1995-1996	GM-B Cable in trunk. Protocol: E&C
Skylark	1996-1998	GM-B Cable in trunk. Protocol: E&C
<b>Cadillac</b>		
Catera	2000-2001	GM-B Cable in trunk. Protocol: Class 2
Catera	1997-1999	GM-B Cable in trunk. Protocol: E&C
DeVille	1995-1999	GM-B Cable in trunk. Protocol: E&C
DeVille	2000-2001	GM-B Cable Behind Glove Comp. Protocol: E&C
DeVille	2001-2005	GM-B Cable Behind Glove Comp. Protocol: Class 2
Eldorado	1995-2002	GM-B Cable in trunk. Protocol: E&C
Escalade	1999-2002	GM-A Cable behind Headunit Protocol: E&C
Escalade	2003-2005	GM-A Cable behind Headunit Protocol: Class 2
Seville	1995-2001	Location: Center Console –GM B cable; Protocol E&C
Seville	2002-2004	Location: Center Console –GM B cable; Protocol Class 2
<b>Chevrolet</b>		
Astro Van	1996-2005	GM-A Cable behind Headunit Protocol: E&C
Avalanche	2003-2005	GM-A Cable behind Headunit Protocol: Class 2
Avalanche	2002	GM-A Cable behind Headunit Protocol: E&C
Blazer	1998-2002	GM-A Cable behind Headunit Protocol: E&C
Camaro	1997-2002	GM-A Cable behind Headunit Protocol: E&C
		AM/FM/Cassette with "TAPE/AUX" button.
Cavalier	2003-2005	GM-C Cable behind Headunit Protocol: XM
Cavalier	1996-1999	GM-A Cable behind Headunit Protocol: E&C
Corvette	1997-2004	GM-B Cable in trunk. Protocol: E&C If cable not in trunk, please see Corvette Notes.

<b>Chevrolet - continue</b>		
Equinox	2005	Equinox
Impala	2000-2005	Impala
Impala	1995-1999	Impala
Lumina	1996-1999	Lumina
Malibu	1997-2000	Malibu
Monte Carlo	2000-2005	Monte Carlo
Monte Carlo	1995-1999	Monte Carlo
Silverado	2003-2005	Silverado
Silverado	1996-2002	Silverado
Suburban	2003-2005	Suburban
Suburban	1995-2002	Suburban
Tahoe	2003-2005	Tahoe
Tahoe	1995-2002	Tahoe
Venture	2004-2005	Venture
Venture	1997-1999	Venture
<b>GMC</b>		<b>GMC</b>
Jimmy	1998-2002	Jimmy
Envoy	2004-2005	Envoy
Envoy	1999-2001	Envoy
Savana	1999-2000	Savana
Sonoma	1998-2002	Sonoma
Safari	1996-2005	Safari
Sierra	1995-2004	Sierra
Suburban	1995-2002	Suburban
Yukon; Yukon-Denali;Yukon-XL	1995-2002	Yukon; Yukon-Denali;Yukon-XL
Yukon; Yukon-Denali;Yukon-XL	2003-2005	Yukon; Yukon-Denali;Yukon-XL
<b>HUMMER</b>		<b>HUMMER</b>
Hummer H2	2003-2005	Hummer H2
Safari	1996-2005	GM-A Cable behind Headunit Protocol: E&C
Sierra	1995-2004	GM-A Cable behind Headunit Protocol: E&C
Suburban	1995-2002	GM-A Cable behind Headunit Protocol: E&C
Yukon; Yukon-Denali;Yukon-XL	1995-2002	GM-A Cable behind Headunit Protocol: E&C
Yukon; Yukon-Denali;Yukon-XL	2003-2005	GM-A Cable behind Headunit Protocol: Class 2
<b>HUMMER</b>		
Hummer H2	2003-2005	GM-C Cable behind Headunit Protocol: Class 2 / XM

**VEHICLE INSTALLATION**

Model	Year(s)	Changer Location and Notes
<b>Pontiac</b>		
Aztek	2003-2005	GM-C Cable behind Headunit Protocol: XM
Bonneville	1996-1999	GM-A Cable behind Headunit Protocol: E&C
Bonneville	2000-2005	GM-B Cable in trunk. Protocol: Class 2
Firebird	1996-2002	GM-A Cable behind Headunit Protocol: E&C
Grand Am	2003-2005	GM-C Cable behind Headunit Protocol: XM
Grand Am	1996-2000	GM-A Cable behind Headunit Protocol: E&C
Montana	2004-2005	GM-C Cable behind Headunit Protocol: XM
Montana	1999-2000	GM-A Cable behind Headunit Protocol: E&C
Sunfire	1996-1999	GM-A Cable behind Headunit Protocol: E&C
Sunfire	2003-2005	GM-C Cable behind Headunit Protocol: XM
TransSport	1996-1998	GM-A Cable behind Headunit Protocol: E&C
Vibe	2004-2005	GM-C Cable behind Headunit Protocol: XM
<b>Saturn</b>		
All Models	1995-1999	GM-B Cable in trunk. Protocol: E&C  2. If not prewired, you must use two Saturn cables: GM Part# 21023550 & 21023253

<b>Oldsmobile</b>		Requires GM factory data cable Part # 12344003 if not pre-wired in trunk.
Achieva	1996-1998	GM-B Cable in trunk. Protocol: E&C
Alero	1999-2000	GM-B Cable in trunk. Protocol: E&C
Alero	2003-2004	GM-C Cable behind Headunit Protocol: XM
Aurora	1995-1999	GM-B Cable in trunk. Protocol: E&C
Aurora	2001-2004	GM-B Cable in trunk. Protocol: Class 2
Bravada	1997-2001	GM-A Cable behind Headunit Protocol: E&C
Bravada	2004	GM-A Cable behind Headunit Protocol: XM
Cutlass	1997-1999	GM-B Cable in trunk. Protocol: E&C
Cutlass Supreme	1995-1997	GM-B Cable in trunk. Protocol: E&C
Eighty-Eight	1996-1999	GM-B Cable in trunk. Protocol: E&C
Intrigue	1998-2001	GM-B Cable in trunk. Protocol: E&C
LSS	1996-1999	GM-B Cable in trunk. Protocol: E&C
Regency	1997-1998	GM-B Cable in trunk. Protocol: E&C
Silhouette	2004	GM-C Cable behind Headunit Protocol: XM
		GM-A Cable behind Headunit Protocol: E&C
Silhouette	1996-1999	Radio must be AM/FM/CASS with "TAPE/AUX" button.

**OPERATION  
FOR CLASS 2**

Plug an iPod into the iON's connector  
Switch to the Neo iON by pressing the **AUX** or **SOURCE** button on the radio.  
Select a playlist and press play on the iPod  
To change tracks simply press "**Seek <**" or "**Seek >**"  
To FF/RW simply hold "**Seek <**" or "**Seek >**"

**OPERATION  
FOR XM**

Plug an iPod into the iON's connector  
Switch to the Neo iON by pressing the **BAND** buttons until you see XM1.  
Select a playlist and press play on the iPod  
To change tracks simply press "**Seek <**" or "**Seek >**"  
To FF/RW simply hold "**Seek <**" or "**Seek >**"

**OPERATION  
FOR E&C**

Plug an iPod into the iON's connector  
Switch to the Neo iON by pressing the **AUX** or **SOURCE** buttons on the radio.  
Select a playlist and press play on the iPod  
To change tracks simply press "**Seek <**" or "**Seek >**"  
To FF/RW simply hold "**Seek <**" or "**Seek >**"

## VEHICLE INSTALLATION

### **Chrysler (Chrysler, Jeep, Dodge, Plymouth, Eagle)**

Make sure the Neo iON is compatible with your vehicle, Check for “Disc ^” printed on preset button “1”. If you see it, it means that your radio can control the Neo iON.

Before connecting any cables you must set the dip switch box to the position listed for your vehicle. If you set the dip-switches after you have connected cables to the box, you must disconnect and reconnect them for the iON to operate.

Chrysler’s use one of three cables (Old Din, New Din, New 10-pin). Remove the radio to see which cable fits your vehicle, and then refer to settings below.

**Do not force cables in.**

Use the “**Chrysler Old**” cable with vehicles 1995-1999/2000.

#### **RADIOS WITH SQUARE SHAPE**

Use the “**Chrysler New**”

## VEHICLE INSTALLATION

### Honda

Before connecting any cables you must set the dip switch box to the position listed for your vehicle. If you set the dip-switches after you have connected cables to the box, you must disconnect and reconnect them for the iON to operate.

SETTINGS FOR HONDA	1	2	3	4	5	6	7	8
	<b>ON</b>	OFF	OFF	<b>ON</b>	OFF	OFF	OFF	<b>ON</b>

All 1992-2004 Honda's are compatible with the Neo iON except the 2003 and 2004 Honda Accord and all Honda Element vehicles.

#### OPERATION

Plug an iPod into the iON's connector  
Switch to the Neo iON by pressing the **CD** button on the radio.  
Select a playlist and press play on the iPod  
To change tracks simply press "**Seek <**" or "**Seek >**"  
To FF/RW simply hold "**Seek <**" or "**Seek >**"

### Toyota

SETTINGS FOR TOYOTA	1	2	3	4	5	6	7	8
	<b>ON</b>	<b>ON</b>	OFF	<b>ON</b>	OFF	OFF	OFF	<b>ON</b>

Some 2003-2004 Toyota models require a special cable. This cable can be purchased from Toyota dealerships, it is part #08695-00370. Some radio models require pressing "**Seek >**" once to start playing after changing CD or after startup.

Toyota Matrix uses GM-C connector and GM Class 2 black box setting.

#### OPERATION

Plug an iPod into the iON's connector  
Switch to the Neo iON by pressing the **CD** button.  
Select a playlist and press play on the iPod  
Follow the LCD readout instructions to change tracks.

## Volkswagen

Make sure you have your radio's theft protection code before you attempt installation. When you reconnect power to the battery, you will need to enter this code. Information about the theft protection code can be found in your vehicle's audio operation manual.

Before connecting any cables to the black box you must set the dip switch to the Audi position. If you set the dip-switches after you have connected cables to the box, you must disconnect and reconnect them for the iON to operate.

**SETTINGS**  
**FOR ALL VW'S**

1	2	3	4	5	6	7	8
<b>ON</b>	OFF	OFF	OFF	OFF	OFF	OFF	<b>ON</b>

There are two different cables for Volkswagen vehicles. One cable is for pre-wired vehicles with the connector in the trunk (VW-TRUNK). The other is for direct connection behind the radio (VW-FRONT). If VW-FRONT is used make sure the black and white cables are connected to ground.

If you experience problem with audio quality when using the trunk connector, disconnect and use VW-FRONT as the trunk connector is not compatible with your vehicle.

**OPERATION**

Plug an iPod into the iON's connector  
 Switch to the Neo iON by pressing the **CD** button on the radio.  
 Select a playlist and press play on the iPod  
 To change tracks simply press "**Seek <**" or "**Seek >**"  
 To FF/RW simply hold "**Seek <**" or "**Seek >**"

Symptom	Cause	Remedy
No Power	Blown fuse	Replace fuse with same amp. Rating. If the fuse blows again, call tech support.
No Power	Bad connection	Check cable connection.
TBA	TBA	TBA
TBA	TBA	TBA
TBA	TBA	TBA
TBA	TBA	TBA
TBA	TBA	TBA
TBA	TBA	TBA
Alternator noise is heard (Changes with gas)	Wrong wiring creates ground loop.	Call tech support or ask a local car audio shop.
TBA	TBA	TBA
TBA	TBA	TBA
Radio can't recognize Neo iON	Wrong selection on dip switch in the converter box	Select the right protocol for you car. (See Page 2)
Radio can't recognize Neo iON	Bad cables or cables are not connected properly between converter box and car radio	Check connection and cables, push in firmly.
Radio can't recognize Neo iON	Radio is not communicating with the right CD iON protocol	Call support, we can resolve any technical problem you have.
Radio can't recognize Neo iON	Yellow and black cables are not connected to Power 12+ and Ground. ( Only on some models)	Please read manual and see if your car requires to connect the yellow and black cable to power and ground
Neo iON suddenly is not recognized any more	Bad connector or power discharge	Unplug the black converter box from radio and plug again
TBA	TBA	TBA
TBA	TBA	TBA

## Notices, Warnings, and Warranty Info

### One Year Limited Warranty

The quality controls used in the manufacture of this product ensure your satisfaction. This warranty applies only to the original purchaser of this product from an authorized dealer.

This warranty covers any supplied or manufactured parts of this product that, upon inspection by NEO CAR AUDIO authorized personnel, is found to have failed in normal use due to defects in material or workmanship. This warranty does not apply to installation expenses. Operating this unit under conditions other than those recommended or voltages other than the voltage indicated on the unit, or attempting to service or modify the unit, will render this WARRANTY VOID. Unless otherwise proscribed by law, NEO CAR AUDIO shall not be liable for any personal injury, property damage or any incidental or consequential damages of any kind (including water damage) resulting from malfunctions, defects, misuse, improper installation or alteration of this product.

All parts of this NEO CAR AUDIO product are guaranteed for a period of 1 year as follows:

Within the first 12 months from date of purchase, subject to the conditions above, NEO CAR AUDIO will repair or replace the product if it is defective in material or workmanship providing it is returned to NEO CAR AUDIO, with PROOF OF PURCHASE from an authorized dealer.

If you have a problem with this product, please call or write to our Consumer Service Dept.

**IMPORTANT Return INSTRUCTIONS:** These instructions must be followed if you are returning the unit for warranty repair.

Make sure you have received an RMA number from our service department. Carefully pack the item in its original carton or other suitable box to avoid damage in shipping. Write the RMA number on the outside the package (All packages received without an RMA number will be refused). Before packing your unit for return ; be sure to enclose your full name, address, zip code, and telephone number. Also state the problem you are having with the unit and your RMA number (Enclose in an envelope and tape directly to the unit before the box is sealed).

NEO CAR AUDIO recommends you insure the package (as damage in shipment is not covered by your warranty.).

### Warning:

This equipment may be reset by unintentional electrostatic discharge during operation. Exposure to direct sunlight or extreme heat may cause damage or malfunction.



## **Caution**

1. Use of headphones while operating an automobile or moving vehicle is not recommended and is unlawful in some countries and areas.
2. Be careful and attentive on the road. Stop operation of the Neo ION if you find it disruptive or distracting while driving. The driver of a motor vehicle should not operate the Neo ION while driving.

## **FCC Class B Radio Frequency Interference Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/television technician for help.

Notice 1: The changes or modifications not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.  
Notice 2: Shielded interface cables, if any, must be used in order to comply with the emission limits.

## **Copyrights, warnings, and other information.**

The illustrations, technical information, data and descriptions contained in this publication are subject to change without notice. This publication, together with all information contained in it, and all intellectual property rights on this publication remain the property of NEO CAR AUDIO. The user may not pass this publication on to third parties.

No liability will be accepted for any inaccuracies or omissions in this publication, although due care has been taken to make it as complete and accurate as possible

# FORD Appendix

## Neo ION Connection 2004 - Town Car, Grand Marquis, Marauder, LS and Ford Crown Vic.

### 1. Preparing the Neo Ford-12pin Cable

Take the Neo Ford 12pin cable and cut off the black 12-pin harness. You will use only the cable and big White 22 pin connector (connects to the black box).

### 2. Connection to the Vehicle

There are two connectors located behind the radio, a 16 pin connector and a 24 pin connector.

We will first work with the 16 pin connector.

#### 16pin Connector:

Neo **Red** to 16pin connectors **Orange/Black** cable (Pin #9)

Neo **Blue** to 16pin connectors **Gray** cable (Pin #10)

Neo **Green** to 16pin connectors **Light Green/Red** cable (Pin #1)

Neo **Pink** to 16pin connectors **Violet** cable (Pin #2)

Neo **Yellow** to 16pin connectors **Light Blue/Pink** cable (Pin #7)

Neo **White** to 16pin connectors **Tan** cable (Pin #8)

Neo **Brown** to 16pin connectors **Light Green/Black** cable (Pin #6)

#### 24pin Connector:

Neo **Gray** to 24pin connectors **Violet/Light Blue** cable (Pin #1)

Neo **Orange** to 24pin connectors **Black/Light Green** cable (Pin #24)

#### \*Important Note:

Some vehicle production runs do not have a cable plugged into the 16pin pin connector on the back of the headunit. If you are installing in this type of vehicle you can use another Neo cable (For example the Honda cable) and shave the plastic off of the white 22pin connector and remove the pins inside. These pins can then be inserted into the holes on the back of the vehicles stereo. Call technical support if you need further assistance with this option.

# GM – Corvette Appendix

## Neo ION Connection to Chevrolet Corvette

**Most Corvettes are pre-wired to the trunk. In case you can't find the connector in the trunk, please do the following:**

### 1. Preparing the Neo GM-A Cable

Take the Neo GM-A cable and cut off the Black and Red harness, you will then have two cables in your hands. One cable with the big white 22 pin connector and 1 with a small white 9 pin connector. You will use only the cable with the big White 22 pin connector (connects to the black box).

### 2. Connection to the Vehicle

There are two connectors located behind the radio, one is black and the other is grey. We will first work with the grey connector.

#### **Grey Connector:**

Neo **Blue** to Connector **Brown+White** (Pin 11, the 1<sup>st</sup> pin)

Neo **Red** to Connector **Green+White** (Pin 12, the 2<sup>nd</sup> pin)

Neo **Black** to Connector **Black+White** (Pin 13, the 3<sup>rd</sup> pin)

Neo **Yellow** to Connector **Dark Green** (Pin 15, pin 14 is empty)\*

#### **Black Connector:**

Neo **Orange** to Black Connector thick **Orange** (Pin 10, the last pin, +12v)

Neo **Brown** to Black Connector **Black+White** (Pin 5, the middle, Ground)