

# BLADE

SERIES

Automotive Data Solutions Inc.

## INSTALL GUIDE BLADE-AL(DL)-NI1

# NI1

**AVAILABLE FOR: ADS-BLADE AL**

*Rev. Date: May 27, 2011*

*Doc. No.: ##5459##*

*20110525*

VERSION FRANÇAISE DISPONIBLE EN LIGNE AU [WWW.BLADEUPDATE.COM](http://WWW.BLADEUPDATE.COM)

PLEASE VISIT [WWW.BLADEUPDATE.COM](http://WWW.BLADEUPDATE.COM) FOR COMPLETE PRODUCT DETAILS

The brand names and logos found in this guide are property of their respective owners. Automotive Data Solutions Inc. © 2011

## NISSAN



## I N F I N I T I

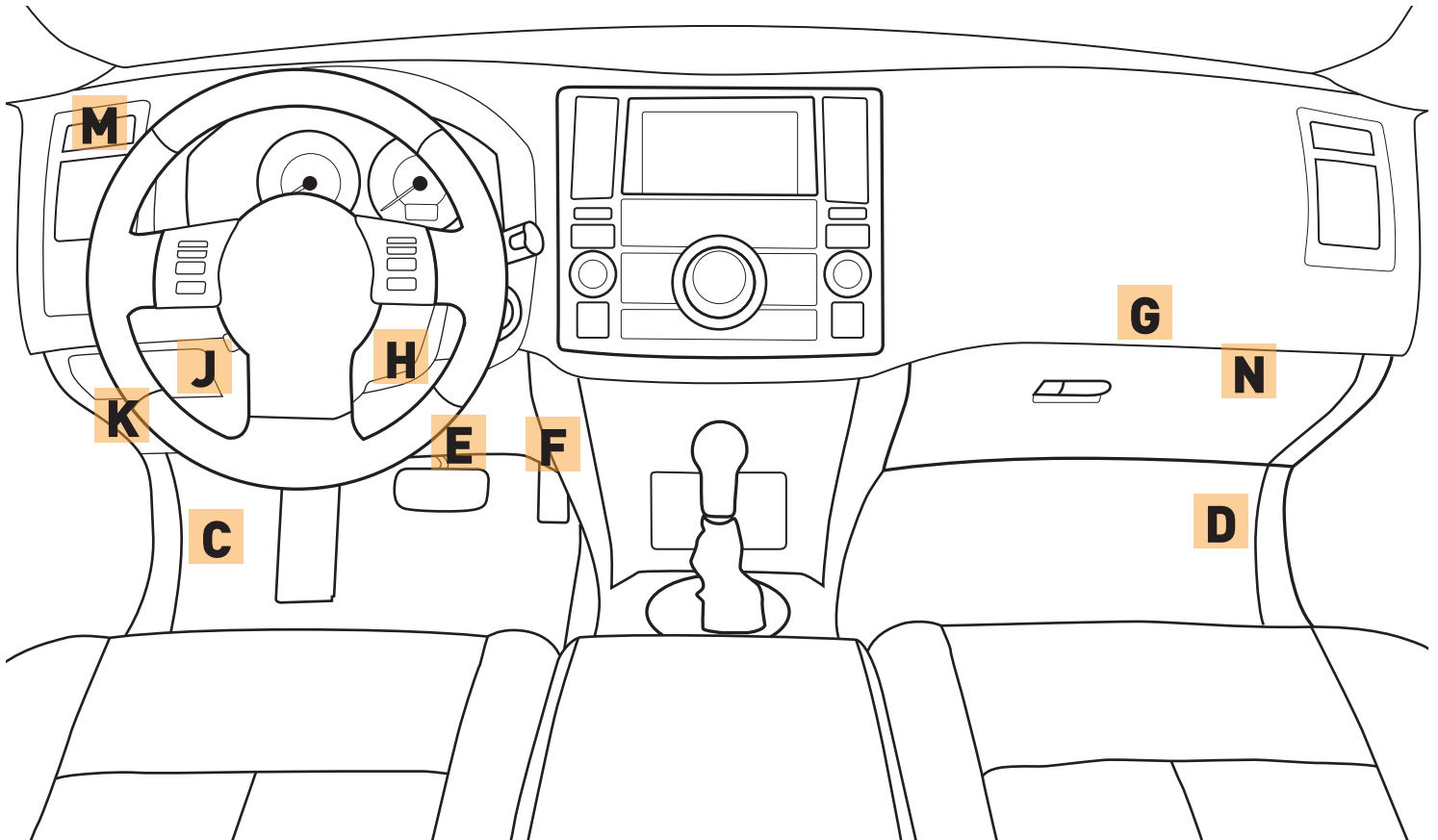
**NOTICE:** The manufacturer will accept no responsibility for any electrical damage resulting from improper installation of this product, be that either damage to the vehicle itself or to the installed device. This device must be installed by a certified technician. This guide has been written for properly trained technicians; a certain level of skill & knowledge is therefore assumed. Please review the Installation Guide carefully before beginning any work.

## INSTALL TYPE SELECTION

MAKE	MODEL	YEAR	INSTALL TYPE	FEATURES												
				DATA IMMOBILIZER BYPASS	SECURE TAKEOVER	PRIORITY UNLOCK	DOOR LOCK	DOOR UNLOCK	ARM OEM ALARM	DISARM OEM ALARM	TRUNK/HATCH RELEASE	DOOR STAT OUTPUT	HOOD STAT OUTPUT*	TRUNK STAT OUTPUT	TACHOMETER OUTPUT	
INFINITI	FX35	03-04	1	•												
	FX35	05-08	1	•		•	•	•				•	•	•	•	•
	FX35 Intelli-key	03-04	2	•												
	FX35 Intelli-key	05-08	2	•	•	•	•	•	•	•	•	•	•	•	•	•
	FX45	03-04	1	•												
	FX45	05-08	1	•		•	•	•				•	•	•	•	•
	FX45 Intelli-key	03-04	2	•												
	FX45 Intelli-key	05-08	2	•	•	•	•	•	•	•	•	•	•	•	•	•
	G35	03-04	3	•												
	G35	05-06	1	•		•	•	•				•	•	•	•	•
	G35 Intelli-Key	05-07	2	•	•	•	•	•	•	•	•	•	•	•	•	•
	M35	05-07	1	•	•	•	•	•				•	•	•	•	•
	M45	05-07	1	•		•	•	•				•	•	•	•	•
	Q45	05-06	1	•		•	•	•				•	•	•	•	•
	QX56	05-08	1	•		•	•	•				•	•	•	•	•
	NISSAN	350Z	03-04	3	•											
350Z		05-08	1	•		•	•	•				•	•	•	•	•
Altima		05-06	1	•		•	•	•				•	•	•	•	•
Armada		05-07	1	•		•	•	•				•	•	•	•	•
Frontier		05-08	1	•		•	•	•				•	•		•	•
Maxima		04	1	•												
Maxima		05-08	1	•		•	•	•				•	•	•	•	•
Maxima Intelli-key		05-08	2	•	•	•	•	•	•	•	•	•	•	•	•	•
Murano		03-04	3	•												
Murano		05-07	1	•		•	•	•				•	•	•	•	•
Murano Intelli-Key		05-07	2	•	•	•	•	•	•	•	•	•	•	•	•	•
Pathfinder		05-08	1	•		•	•	•				•	•	•	•	•
Quest		04	1	•												
Quest		05-08	1	•		•	•	•				•	•	•	•	•
Titan		04	1	•												
Titan		05-08	1	•		•	•	•				•	•		•	•
Xterra	05-08	1	•		•	•	•				•	•	•	•	•	

\* Hood status is only available when a factory hood switch is present.

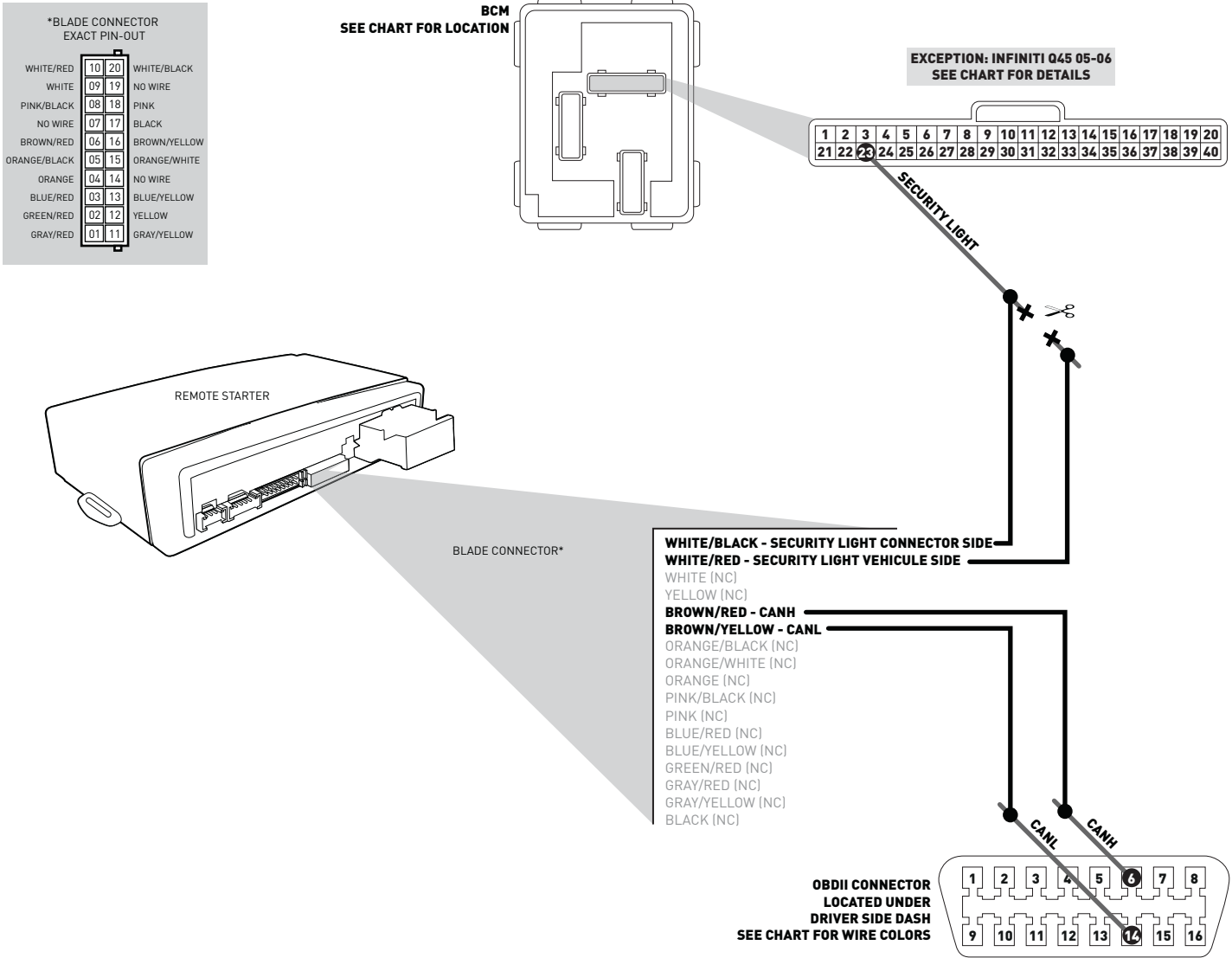
## COMPONENT LOCATOR



## TYPE 1 - WIRE CROSS REFERENCE CHART - 1 OF 1

MAKE	MODEL	YEAR	CAN H		CAN L		SECURITY LIGHT		CONNECTOR			COMPONENT LOCATOR
			POSITION	WIRE COLOR	POSITION	WIRE COLOR	POSITION	WIRE COLOR	NAME	TYPE	LOCATION	
NISSAN	350Z	05-08	6	Blue	14	Pink	23	Green/Orange	M90	40 pin	In Driver Kick Panel	C
	Altima	05-06	6	Blue	14	Pink	23	Green/Orange	M18	40 pin	Left Of Steering Column	J
	Armada	05-07	6	Blue	14	Pink	23	Green/Orange	M18	40 pin	Right Of Steering Column	H
	Frontier	05-08	6	Blue	14	Pink	23	Green	M18	40 pin	Right Of Steering Column Over Brake Pedal	E
	Maxima	04	6	Blue	14	Yellow	23	Green/Orange	M18	40 pin	Left Of Steering Column	J
	Maxima	05-08	6	Blue	14	Pink	23	Green/Orange	M18	40 pin	Left Of Steering Column	J
	Murano	05-08	6	Blue	14	Yellow	23	Green/Orange	M34	40 pin	Right Of Steering Column	H
	Pathfinder	05-08	6	Blue	14	Pink	23	Green	M65	40 pin	Right Of Steering Column	H
	Quest	04	6	Blue	14	Yellow	23	Green/Orange	M18	40 pin	At Bottom of A-Pilar Behind Air Duct	M
	Quest	05-08	6	Blue	14	Pink	23	Green/Orange	M18	40 pin	At Bottom of A-Pilar Behind Air Duct	M
	Titan	04	6	White	14	Red	23	Green/Orange	M18	40 pin	Right Of Steering Column	H
	Titan	05-09	6	Blue	14	Pink	23	Green/Orange	M18	40 pin	Right Of Steering Column	H
	Xterra	05-08	6	Blue	14	Pink	23	Green	M18	40 pin	Right Of Steering Column Over Brake Pedal	E
INFINITI	FX35 / FX45	03-08	6	Blue	14	Red	23	Green/Orange	M3	40 pin	In Driver Kick Panel	C
	G35 Coupe	05	6	Blue	14	Red	23	Green/Orange	M1	40 pin	In Driver Kick Panel	C
	G35	05-06	6	Blue	14	Pink	23	Green/Orange	M1	40 pin	In Driver Kick Panel	C
	M35 / M45	05-07	6	Blue	14	Pink	23	White/Violet	M1	40 pin	Behind Glove Box	G
	Q45	05-06	6	Blue	14	Pink	65	Green	M4	40 pin	In Driver Kick Panel	C
	QX56	05-08	6	Blue	14	Pink	23	Green/Orange	M18	40 pin	Right Of Steering Column	H

## TYPE 1 - WIRING DIAGRAM - 1 OF 1



## TYPE 2 - WIRE CROSS REFERENCE CHART - 1 OF 1

MAKE	MODEL	YEAR	CANH		CANL		INTELLI-KEY (+)		CONNECTOR			SECURITY LIGHT (-)		CONNECTOR		
			POSITION	WIRE COLOR	POSITION	WIRE COLOR	POSITION	WIRE COLOR	NAME	TYPE	LOCATION*	POSITION	WIRE COLOR	NAME	TYPE	LOCATION*
NISSAN	Maxima Intelli-key	05-07	6	Blue	14	Pink	6	Green	M52	40 pin	F	23	Green/Orange	M18	40 pin	K
	Maxima Intelli-key	08	6	Blue	14	Pink	6	Green	M52	40 pin	F	23	Green/Orange	M18	40 pin	K
	Murano	06	6	Blue	14	Yellow	6	Green	M99	40 pin	N	23	Green/Orange	M35	40 pin	H
	Murano	07	6	Blue	14	Yellow	6	Green	M99	40 pin	N	23	Green/Orange	M35	40 pin	H
INFINITI	FX35 Intelli-key	03-04	6	Blue	14	Pink	6	Green/Red	M34	40 pin	F	23	Green/Orange	M3	40 pin	D
	FX35 Intelli-key	05	6	Blue	14	Yellow	6	Green/Red	M34	40 pin	M	23	Green/Orange	M3	40 pin	C
	FX35 Intelli-key	06	6	Blue	14	Yellow	6	White	M34	40 pin	M	23	Green/Orange	M3	40 pin	C
	FX35 Intelli-key	07	6	Blue	14	Yellow	6	White	M34	40 pin	M	23	Green/Orange	M3	40 pin	C
	FX35 Intelli-key	08	6	Blue	14	Pink	6	White	M34	40 pin	M	23	Green/Orange	M3	40 pin	C
	FX45 Intelli-key	03-04	6	Blue	14	Pink	6	Green/Red	M34	40 pin	F	23	Green/Orange	M3	40 pin	D
	FX45 Intelli-key	05	6	Blue	14	Red	6	Green/Red	M34	40 pin	M	23	Green/Orange	M3	40 pin	C
	FX45 Intelli-key	06	6	Blue	14	Yellow	6	White	M34	40 pin	M	23	Green/Orange	M3	40 pin	C
	FX45 Intelli-key	07	6	Blue	14	Yellow	6	White	M34	40 pin	M	23	Green/Orange	M3	40 pin	C
	FX45 Intelli-key	08	6	Blue	14	Pink	6	White	M34	40 pin	M	23	Green/Orange	M3	40 pin	C
	G35 Intelli-key Sedan	05	6	Blue	14	Pink	6	Yellow/Green	M75	40 pin	G	23	Green/Orange	M1	40 pin	C
	G35 Intelli-key	06	6	Blue	14	Pink	6	Yellow/Green	M75	40 pin	G	23	Green/Orange	M1	40 pin	C
	G35 Intelli-key Coupe	07	6	Blue	14	Pink	6	Yellow/Green	M75	40 pin	G	23	Green/Orange	M1	40 pin	C

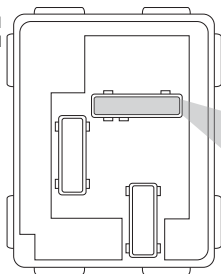
### \*LEGEND - COMPONENT LOCATOR

G	Behind glove box
K	Above drivers kick panel
H	Right of steering column
C	At drivers kick panel
F	Right of steering column above gas pedal
M	Behind cluster, left of dash, near "A" Pillar
L	Behind mirror controls, left of steering column
D	At BCM in passenger kick panel
N	Behind glove box, near "A" Pillar

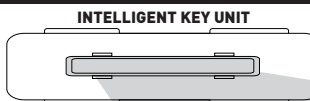
## TYPE 2 - WIRING DIAGRAM - 1 OF 1

SECURITY LED ARE NOT PRESENT IN ALL VEHICLES. IF DURING YOUR REMOTE START SEQUENCE THE SECURITY LED STAYS ON OR FLASHES, YOU MUST CUT OFF THE SECURITY LED WIRE.

BCM  
SEE CHART FOR LOCATION



REFER TO CHART FOR INTELLIGENT KEY UNIT LOCATION

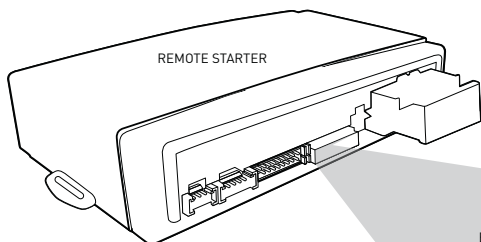


REFER TO CHART FOR PIN LOCATION AND WIRE COLOR

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40

REFER TO CHART FOR PIN LOCATION AND WIRE COLOR



BLADE CONNECTOR\*

- WHITE/BLACK - SMART KEY INTERRUPT OUT VEHICLE SIDE
- WHITE/RED - SMART KEY INTERRUPT IN CONNECTOR SIDE
- WHITE (NC)
- YELLOW (NC)
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- ORANGE/BLACK (NC)
- ORANGE/WHITE (NC)
- ORANGE (NC)
- PINK/BLACK (NC)
- PINK (NC)
- BLUE/RED - SECURITY LED IN CONNECTOR SIDE
- BLUE/YELLOW - SECURITY LED OUT VEHICLE SIDE
- GREEN/RED (NC)
- GRAY/RED (NC)
- GRAY/YELLOW (NC)
- BLACK (NC)

\*BLADE CONNECTOR EXACT PIN-OUT

WHITE/RED	10	20	WHITE/BLACK
WHITE	09	19	NO WIRE
PINK/BLACK	08	18	PINK
NO WIRE	07	17	BLACK
BROWN/RED	06	16	BROWN/YELLOW
ORANGE/BLACK	05	15	ORANGE/WHITE
ORANGE	04	14	NO WIRE
BLUE/RED	03	13	BLUE/YELLOW
GREEN/RED	02	12	YELLOW
GRAY/RED	01	11	GRAY/YELLOW

OBDSII CONNECTOR LOCATED UNDER DRIVER SIDE DASH  
SEE CHART FOR WIRE COLORS

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16

## TYPE 3 - WIRE CROSS REFERENCE CHART - 1 OF 1

MAKE	MODEL	YEAR	CAN H		CAN L		SECURITY LIGHT		CONNECTOR			COMPONENT LOCATOR
			POSITION	WIRE COLOR	POSITION	WIRE COLOR	POSITION	WIRE COLOR	NAME	TYPE	LOCATION	
NISSAN	350Z	03-04	70	Blue	71	Red	55	Green/Orange	M3	24 pin	In Driver Kick Panel	C
	Murano	03-04	70	Blue	71	Yellow	55	Green/Orange	M37	24 pin	Right Of Steering Column	H
INFINITI	G35 Sedan	03-04	70	Blue	71	Red	55	Green/Orange	M3	24 pin	In Driver Kick Panel	C
	G35 Coupe	03-04	70	Blue	71	Red	55	Green/Orange	M3	24 pin	In Driver Kick Panel	C

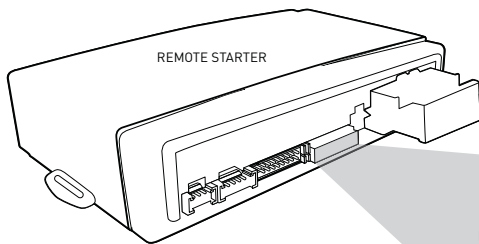
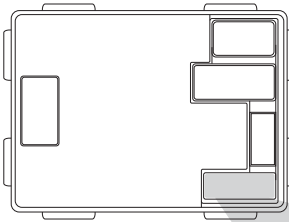


## TYPE 3 - WIRING DIAGRAM - 1 OF 1

**\*BLADE CONNECTOR  
EXACT PIN-OUT**

WHITE/RED	10	20	WHITE/BLACK
WHITE	09	19	NO WIRE
PINK/BLACK	08	18	PINK
NO WIRE	07	17	BLACK
BROWN/RED	06	16	BROWN/YELLOW
ORANGE/BLACK	05	15	ORANGE/WHITE
ORANGE	04	14	NO WIRE
BLUE/RED	03	13	BLUE/YELLOW
GREEN/RED	02	12	YELLOW
GRAY/RED	01	11	GRAY/YELLOW

**BCM**  
SEE CHART FOR LOCATION

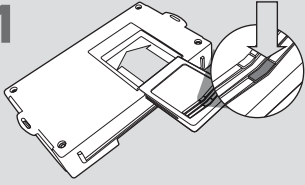


BLADE CONNECTOR\*

- WHITE/BLACK - SECURITY LIGHT (-) CONNECTOR SIDE
- WHITE/RED - SECURITY LIGHT (-) VEHICLE SIDE
- WHITE (NC)
- YELLOW (NC)
- BROWN/RED - CANH
- BROWN/YELLOW - CANL
- ORANGE/BLACK (NC)
- ORANGE/WHITE (NC)
- ORANGE (NC)
- PINK/BLACK (NC)
- PINK (NC)
- BLUE/RED (NC)
- BLUE/YELLOW (NC)
- GREEN/RED (NC)
- GRAY/RED (NC)
- GRAY/YELLOW (NC)
- BLACK (NC)

## CARTRIDGE INSTALLATION

1



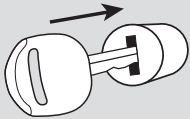
Slide cartridge into unit. Notice button under LED.

2

Ready for Module Programming Procedure.

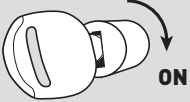
## MODULE PROGRAMMING PROCEDURE

1



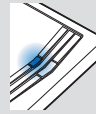
Insert key into ignition.

2



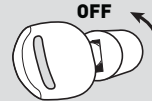
Turn key to ON position.

3



Wait, LED will turn solid BLUE for **2 seconds**.

4



Turn key to OFF position.

5

Module Programming Procedure completed.

## IDENTIFY VEHICLE YEAR

1

Locate the Vehicle Identification Number (VIN) and identify the 10th character.



2

Match the VIN's 10th character to its corresponding year.

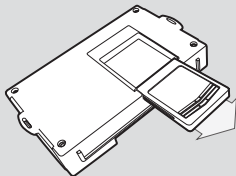
L → 1990	S → 1995	Y → 2000	5 → 2005	A → 2010
M → 1991	T → 1996	1 → 2001	6 → 2006	B → 2011
N → 1992	V → 1997	2 → 2002	7 → 2007	C → 2012
P → 1993	W → 1998	3 → 2003	8 → 2008	D → 2013
R → 1994	X → 1999	4 → 2004	9 → 2009	E → 2014

## MODULE DIAGNOSTICS

LED STATUS	DIAGNOSTICS		
	DURING PROGRAMMING	DURING REMOTE START	WITH IGNITION OFF
Flashing RED	Missing/wrong information from firmware or vehicle	Incorrectly programmed	Incorrectly programmed or connected
Solid RED	Waiting for more vehicle information	Incorrectly programmed	Not programmed waiting for more vehicle information
Flashing BLUE	Additional steps required to complete programming	Correctly programmed and operational	False ground when running status from remote starter
Solid BLUE then OFF	Correctly programmed	Reset in progress	Reset in progress
OFF	No activity or already programmed	Invalid ground when running status from remote starter	At rest and ready for a remote start sequence

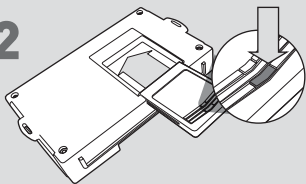
## FACTORY RESET PROCEDURE

1



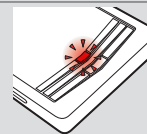
**DISCONNECT** cartridge from remote starter.

2



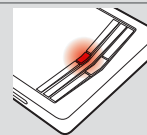
**PRESS AND HOLD** programming button while re-connecting cartridge to remote starter.

3



LED will flash red. Immediately **RELEASE** programming button.

4



LED will turn solid red for 2 seconds.

**RESET COMPLETED.**

5

**RECONNECT** all connectors. Repeat programming procedure.



Failure to follow procedure may result with a DTC or a CHECK ENGINE error message.