



idatalink BLADE Series Web Programmable Data Immobilizer Bypass and Doorlock Integration Cartridge Installation Guide

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S E R I E S
Automotive Data Solutions Inc.

INSTALL GUIDE

BLADE-AL(DL)-GM1-EN
GM1

AVAILABLE FOR : ADS-BLADE AL

Rev. Date: March 17, 2023

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PATENT NO. US 8,856,780 CA 2759622

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BLADE Series Web Programmable Data Immobilizer Bypass and Doorlock Integration Cartridge

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TERMS OF USE: automotive Data solutions Inc. (“aDs”) products are strictly intended for installation by Certified technicians who are employed by a registered business specialized in the installation of automotive aftermarket electronics products. Prior to beginning installation of an aDs product in a vehicle, it is the Certified technician’s responsibility to review the most current Product Guide, Install Guide and vehicle-specific notes available in Weblink®. aDs is not responsible for any damages whatsoever, including but not limited to any consequential damages, incidental damages, damages for loss of time, loss of earnings, loss of profit, commercial loss, loss of economic opportunity and the like that may or may not have resulted from the use, misuse, improper installation or operation of its products. Purchasers sole contractual remedy is refund of the purchase price of the aDs product(s). aDs reserves itself the right to suspend any Weblink® account without notice and decline to offer technical support to non-Certified technicians, non-compliant Certified technicians or end users.

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

All in one
General Motors

MAKE	MODEL	YEAR	INSTALL TYPE	FEATURES																	
				DATA IMMOBILIZER BYPASS	ARM OEM ALARM	DISARM OEM ALARM	DOOR LOCK	DOOR UNLOCK	PRIORITY UNLOCK	TRUNK/HATCH RELEASE	POWER SLIDING DOOR (L)	POWER SLIDING DOOR (R)	RAP SHUTDOWN CTRL	REAR DEFROST CTRL *	HEATED SEATS CTRL*	TACHOMETER OUTPUT**	DOOR STAT OUTPUT FRONT (L)	DOOR STAT OUTPUT FRONT (R)	DOOR STAT OUTPUT REAR (L)	DOOR STAT OUTPUT REAR (R)	TRUNK STAT OUTPUT
BUICK	Allure	05-09	3	•†	•	•	•	•	•	•							•				
	Century	00-05	1	•	•	•	•	•							•						
	LaCrosse	05-09	3	•†	•	•	•	•	•	•						•					
	LeSabre / Ultra	00-05	3	•	•	•	•	•	•	•				•	•	•	•	•	•		
	Park Avenue	97-05	3	•	•	•	•	•	•	•				•	•	•	•	•	•		
	Rainier	04-07	3	•	•	•	•	•	•				•	•	•	•	•		•		
	Regal	00-04	1	•	•	•	•	•						•							
	Rendez-vous	02-07	1	•	•	•	•	•						•							
	Terraza	05-07	3	•†	•	•	•	•	•		•	•	•		•	•	•		•		
CADILLAC	CTS	03-07	3	•	•	•	•	•	•				•			•	•	•	•		
	Deville	00-05	3	•	•	•	•	•	•				•		•	•	•	•	•		
	Escallade	99-02	1	•										•							
	Escallade	03-06	3	•	•	•	•	•	•	•			•	•	•	•	•		•		
	Escallade EXT	03-06	3	•	•	•	•	•	•				•	•	•	•	•				
	Seville	98-03	3	•	•	•	•	•	•	•				•		•	•	•	•		
	SLS	98-99	2	•	•	•	•	•	•	•				•	•	•	•	•	•		
	SLS	00-04	3	•	•	•	•	•	•	•				•		•	•	•	•		
	SRX	04-06	3	•	•	•	•	•	•					•		•	•	•	•		
	STS	98-99	2	•	•	•	•	•	•	•				•		•	•	•	•		
	STS	00-04	3	•	•	•	•	•	•	•				•		•	•	•	•		
CHEVROLET	Astro	98-05	1	•											•						
	Avalanche	02	1	•																	
	Avalanche	03-06	3	•	•	•	•	•	•				•	•	•	•					
	Blazer	98-05	1	•											•						
	Cavalier	00-05	1	•	•	•	•	•		•				•							
	Express	03-07	1	•	•	•	•	•						•							
	Express	98-02	1	•											•						
	Impala	00-05	1	•	•	•	•	•		•					•						
	Monte Carlo	00-05	1	•	•	•	•	•		•					•						
	S10 / S15	98-04	1	•											•						
	Silverado	98-02	1	•																	
	Silverado	03-06	3	•	•	•	•	•	•				•	•	•	•	•				
	Silverado Classic	07	3	•	•	•	•	•	•				•	•	•	•	•				
	SSR	04-06	3	•	•	•	•	•	•				•		•	•	•				
	Suburban	99-02	1	•											•						
	Suburban	03-06	3	•	•	•	•	•	•	•				•	•	•	•		•		
	Tahoe	99-02	1	•										•							
	Tahoe	03-06	3	•	•	•	•	•	•	•				•	•	•	•		•		

* See heated accessories notice.

** Tach output is not available on vehicles with a duramax engine.

† The PK3 indicator will remain ON during the remote start sequence and will only turn OFF upon takeover.

§ Tach output is not available on these vehicles if they are equipped with a V8 engine.

INSTALL TYPE SELECTION

MAKE	MODEL	YEAR	INSTALL TYPE	FEATURES																
				DATA IMMOBILIZER BYPASS	ARM OEM ALARM	DISARM OEM ALARM	DOOR LOCK	DOOR UNLOCK	PRIORITY UNLOCK	TRUNK/HATCH RELEASE	POWER SLIDING DOOR (L)	POWER SLIDING DOOR (R)	RAP SHUTDOWN CTRL	REAR DEFROST CTRL *	HEATED SEATS CTRL*	TACHOMETER OUTPUT**	DOOR STAT OUTPUT FRONT (L)	DOOR STAT OUTPUT FRONT (R)	DOOR STAT OUTPUT REAR (L)	DOOR STAT OUTPUT REAR (R)
CHEVY	Trailblazer	02-09	3	•	•	•	•	•	•					•						•
	Uplander	05-09	3	•+	•	•	•	•	•			•	•	•			•	•	•	•
	Venture	00-04	1	•													•			
	H2	03-07	3	•	•	•	•	•	•					•	•	•	•	•		•
GMC	Envoy	98-01	1	•													§			
	Envoy	02-09	3	•	•	•	•	•	•					•	•	•	§	•	•	•
	Jimmy	98-05	1	•													•			
	Safari	98-05	1	•													•			
	Savana	98-02	1	•													•			
	Savana	03-07	1	•	•	•	•	•									•			
	Sierra / CK	98-02	1	•													•			
	Sierra / CK	03-06	3	•	•	•	•	•	•					•	•	•	•	•	•	
	Sonoma	98-04	1	•														•		
	Yukon / Denali	99-02	1	•														•		
	Yukon / Denali	03-06	3	•	•	•	•	•	•	•				•	•	•	•	•	•	•
ISUZU	Ascender	03-08	3	•	•	•	•	•	•					•	•	•	•	•	•	
	Hombre	98-00	1	•													•			
OLDSMOBILE	Alero 4cyl	99-01	1	•																
	Alero 4cyl	02-04	1	•	•	•	•	•												
	Alero 6cyl	99-04	1	•	•	•	•	•									•			
	Aurora	00-03	3	•	•	•	•	•	•	•				•	•	•	•	•	•	•
	Bravada	98-01	1	•													•			
	Bravada	02-04	3	•	•	•	•	•	•					•	•	•	•	•	•	•
	Intrigue	98-99	1	•													•			
	Intrigue	00-02	1	•	•	•	•	•									•			
	Silhouette	00-04	1	•													•			
PONTIAC	Aztek	01-05	1	•	•	•	•	•									•			
	Bonneville	00-05	3	•	•	•	•	•	•	•				•	•	•	•	•	•	•
	Grand Am 4cyl	99-02	1	•																
	Grand Am 4cyl	02-05	1	•	•	•	•	•												
	Grand Am 6cyl	99-05	1	•	•	•	•	•									•			
	Montana	00-04	1	•													•			
	Montana SV6	05-09	3	•+	•	•	•	•	•			•	•	•			•	•		•
	Sunfire	00-05	1	•	•	•	•	•		•							•			
SAAB	97x	06-09	3	•	•	•	•	•	•				•	•	•	•	•	•		•
SATURN	Relay	05-07	3	•	•	•	•	•	•			•	•	•			•	•	•	•

* See heated accessories notice.

** Tach output is not available on vehicles with a duramax engine.

- † The PK3 indicator will remain ON during the remote start sequence and will only turn OFF upon takeover.
- § Tach output is not available on these vehicles if they are equipped with a V8 engine.

HEATED ACCESSORIES NOTICE

NOTE

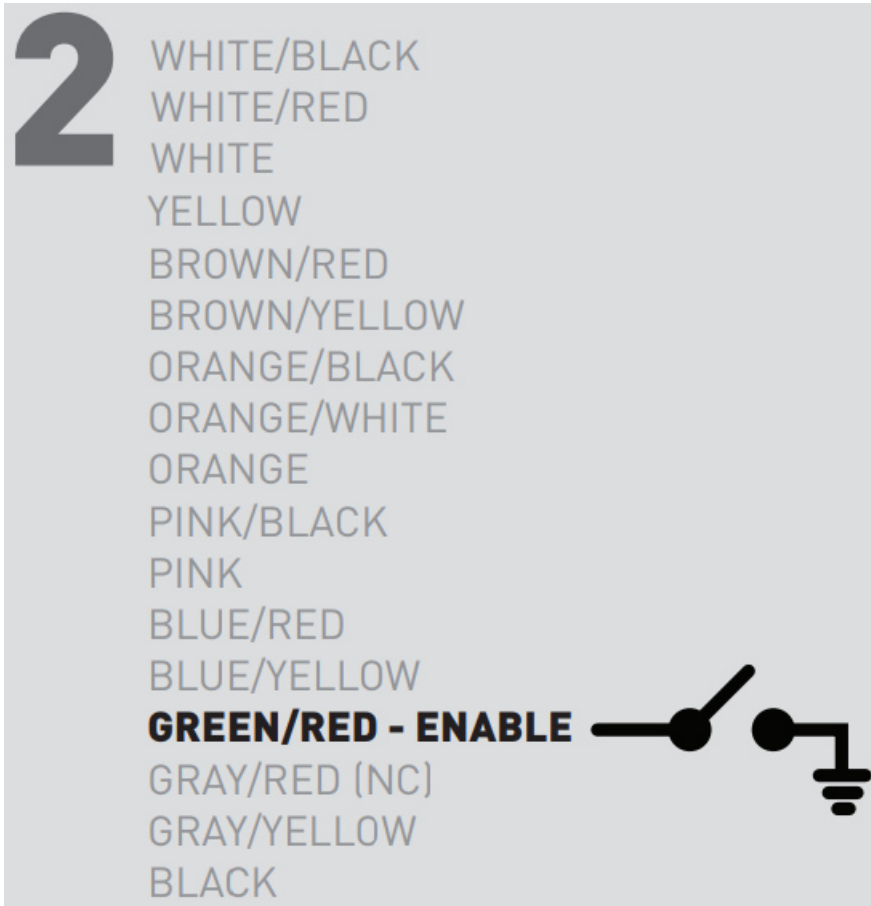
I View compatibility chart for applicable vehicles.

II In all supported vehicle, heated accessories will automatically be activated 15 seconds after the remote starter is engaged and this only if the engine temperature is below 0 C (32 F).

1. To disable this feature, connect [gray/red] wire to ground.

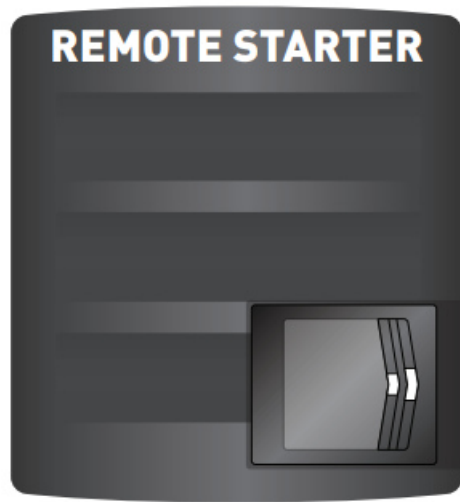


2. To activate applicable heated accessories upon remote start regardless of engine temperature, connect [green/red] wire to ground.



TYPE 1 – WIRING DIAGRAM

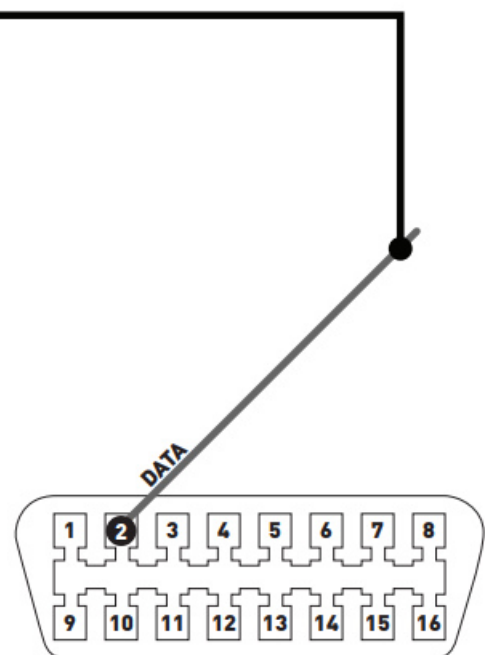
STANDARD 12 VOLT, GROUND AND IGNITION SWITCH CONNECTIONS ARE STILL REQUIRED FROM THE REMOTE STARTER.



***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

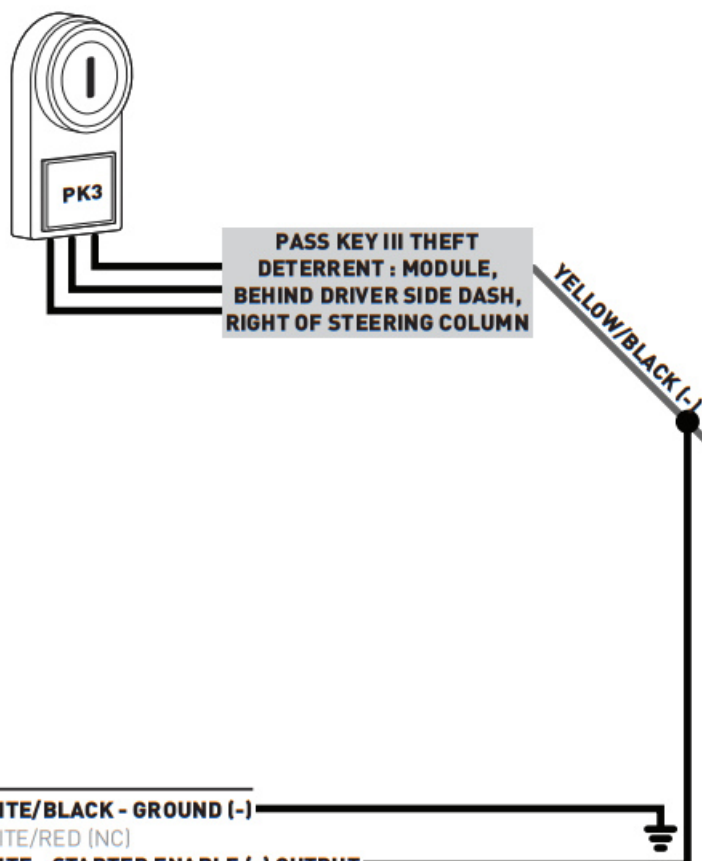
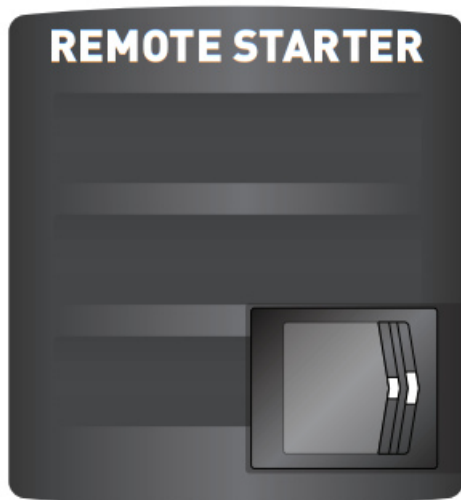
WHITE/BLACK (NC)
 WHITE/RED (NC)
 WHITE (NC)
 YELLOW (NC)
 BROWN/RED (NC)
 BROWN/YELLOW (NC)
 ORANGE/BLACK (NC)
 ORANGE/WHITE (NC)
ORANGE - DATA (J1850)
 PINK/BLACK (NC)
 PINK (NC)
 BLUE/RED (NC)
 BLUE/YELLOW (NC)
 GREEN/RED (NC)
 GRAY/RED (NC)
 GRAY/YELLOW (NC)
 BLACK (NC)



**OBDII CONNECTOR LOCATED
UNDER DRIVER SIDE DASH**

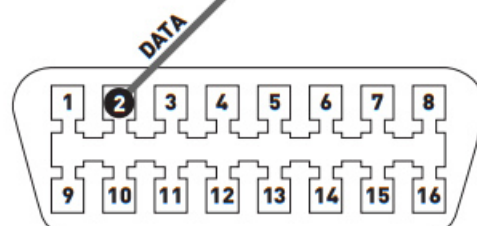
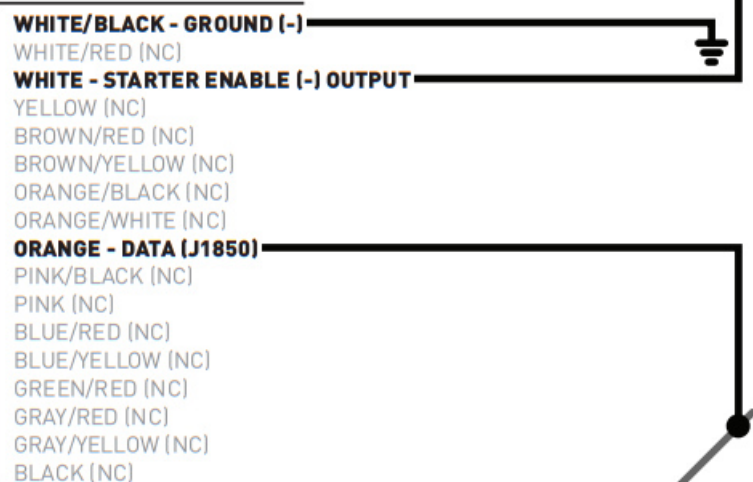
TYPE 2 – WIRING DIAGRAM

STANDARD 12 VOLT, GROUND AND IGNITION SWITCH CONNECTIONS ARE STILL REQUIRED FROM THE REMOTE STARTER.



***BLADE CONNECTOR EXACT PIN-OUT**

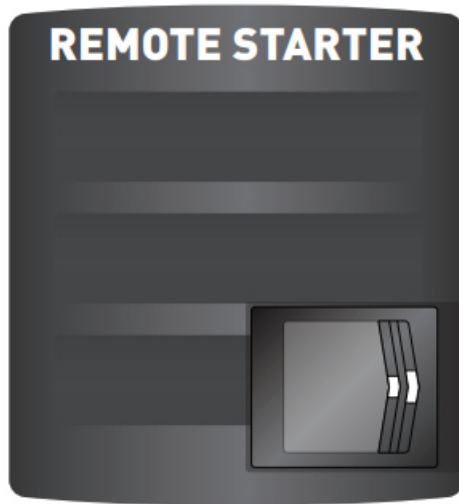
WHITE/RED	10	20	WHITE/BLACK
WHITE	09	19	NO WIRE
PINK/BLACK	08	18	PINK
NO WIRE	07	17	BLACK
BROWN/RED	06	16	BROWN/YELLOW
ORANGE/BLACK	05	15	ORANGE/WHITE
ORANGE	04	14	NO WIRE
BLUE/RED	03	13	BLUE/YELLOW
GREEN/RED	02	12	YELLOW
GRAY/RED	01	11	GRAY/YELLOW



OBDII CONNECTOR LOCATED UNDER DRIVER SIDE DASH

TYPE 3 – WIRING DIAGRAM

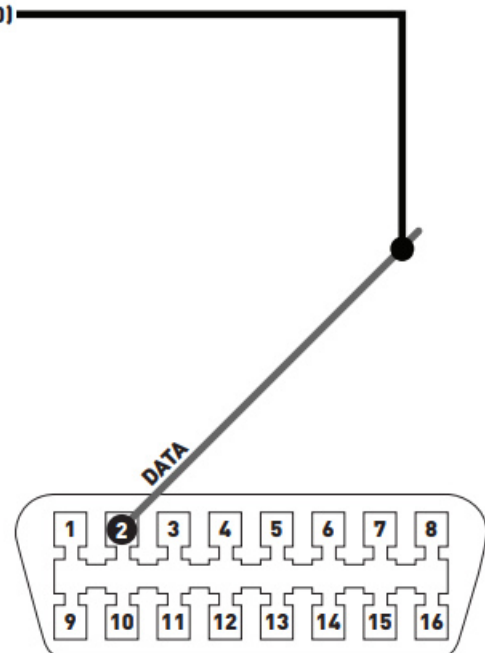
STANDARD 12 VOLT, GROUND AND IGNITION SWITCH CONNECTIONS ARE STILL REQUIRED FROM THE REMOTE STARTER.



***BLADE CONNECTOR
EXACT PIN-OUT**

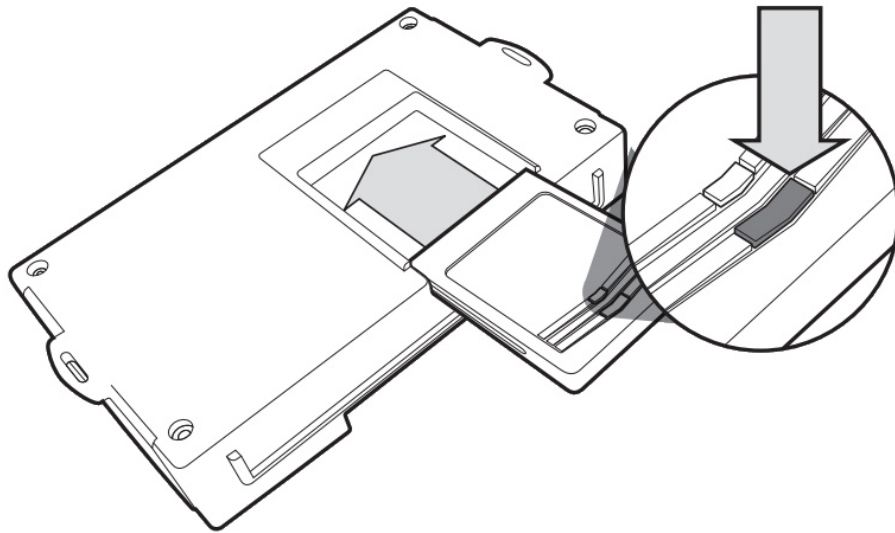
WHITE/RED	10	20	WHITE/BLACK
WHITE	09	19	NO WIRE
PINK/BLACK	08	18	PINK
NO WIRE	07	17	BLACK
BROWN/RED	06	16	BROWN/YELLOW
ORANGE/BLACK	05	15	ORANGE/WHITE
ORANGE	04	14	NO WIRE
BLUE/RED	03	13	BLUE/YELLOW
GREEN/RED	02	12	YELLOW
GRAY/RED	01	11	GRAY/YELLOW

WHITE/BLACK (NC)
 WHITE/RED (NC)
 WHITE (NC)
 YELLOW (NC)
 BROWN/RED (NC)
 BROWN/YELLOW (NC)
 ORANGE/BLACK (NC)
 ORANGE/WHITE (NC)
ORANGE - DATA (J1850)
 PINK/BLACK (NC)
 PINK (NC)
 BLUE/RED (NC)
 BLUE/YELLOW (NC)
 GREEN/RED (NC)
 GRAY/RED (NC)
 GRAY/YELLOW (NC)
 BLACK (NC)



CARTRIDGE INSTALLATION

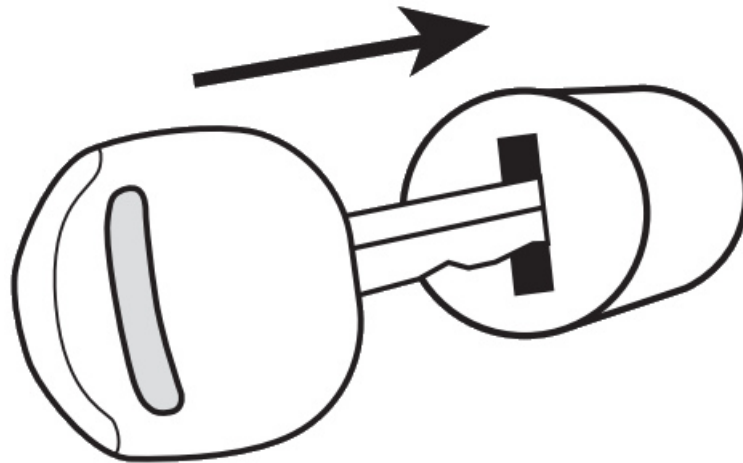
1. Slide cartridge into unit. Notice button under LED.



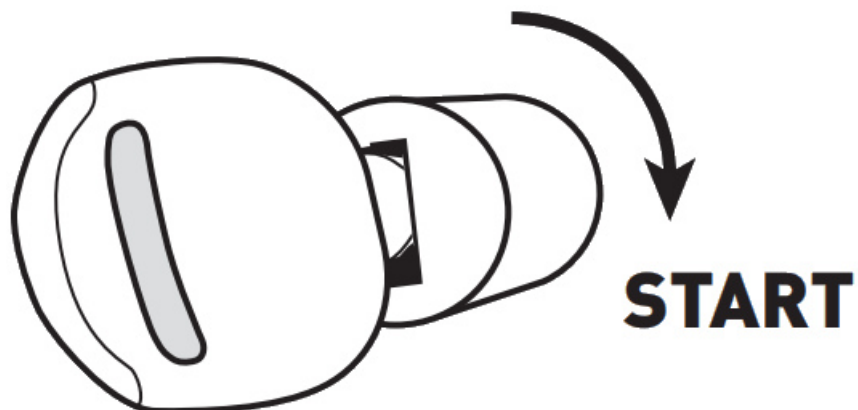
2. Ready for Module Programming Procedure.

MODULE PROGRAMMING PROCEDURE

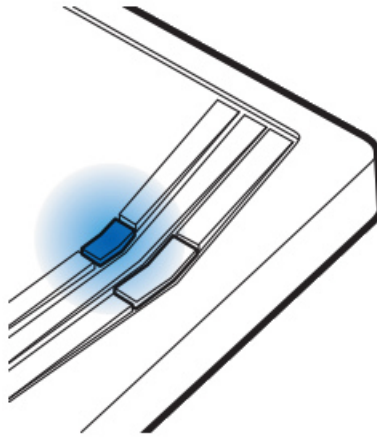
1. Insert key into ignition.



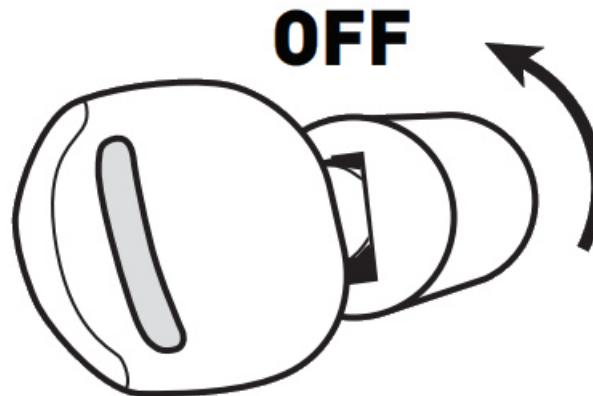
2. Turn key to START position.



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



4. Turn key to OFF position.



5. Module Programming Procedure completed.

IDENTIFY VEHICLE YEAR

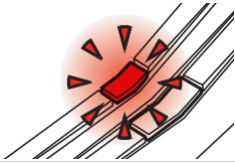
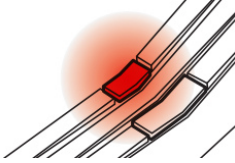
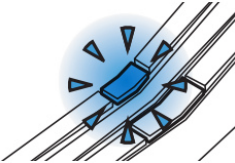
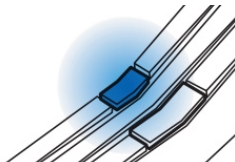
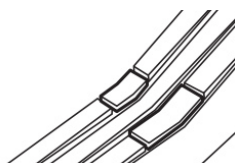
1. Locate the Vehicle Identification Number (VIN), identify the 10th character then match it to its corresponding year.

● 4 3 A 5 Y 1 N 5 T **A** L 8 D 5 R 0 X ●

A	1980	L	1990	Y	2000	A	2010	L	2020
B	1981	M	1991	1	2001	B	2011	M	2021
C	1982	N	1992	2	2002	C	2012	N	2022
D	1983	P	1993	3	2003	D	2013	P	2023
E	1984	R	1994	4	2004	E	2014	R	2024
F	1985	S	1995	5	2005	F	2015	S	2025
G	1986	T	1996	6	2006	G	2016	T	2026
H	1987	V	1997	7	2007	H	2017	V	2027
J	1988	W	1998	8	2008	J	2018	W	2028
K	1989	X	1999	9	2009	K	2019	X	2029

MODULE DIAGNOSTICS

LED STATUS

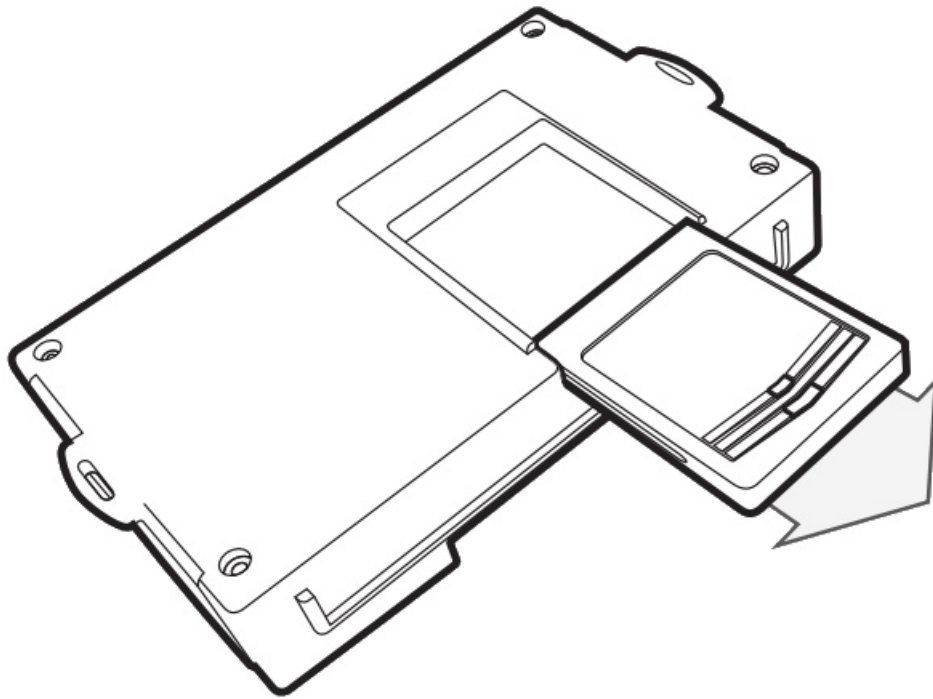
	Flashing RED
	Solid RED
	Flashing BLUE
	Solid BLUE then OFF
	OFF

DIAGNOSTICS

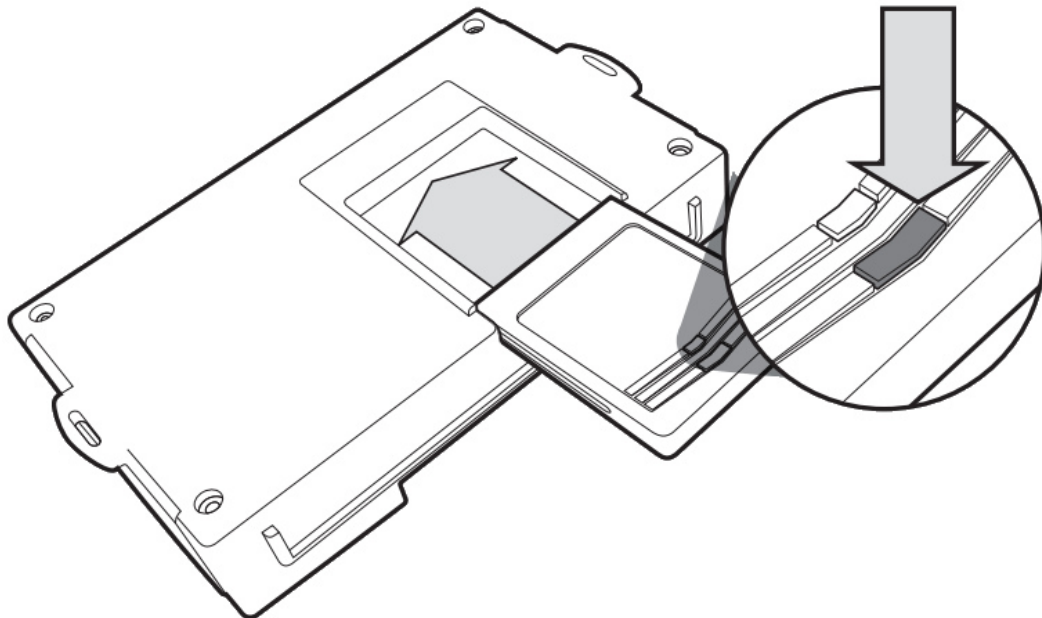
DURING PROGRAMMING	DURING REMOTE START	WITH IGNITION OFF
Missing/wrong information from firmware or vehicle	Incorrectly programmed	Incorrectly programmed or connected
Waiting for more vehicle information	Incorrectly programmed	Not programmed waiting for more vehicle information
Additional steps required to complete programming	Correctly programmed and operational	False ground when running status from remote starter
Correctly programmed	Reset in progress	Reset in progress
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

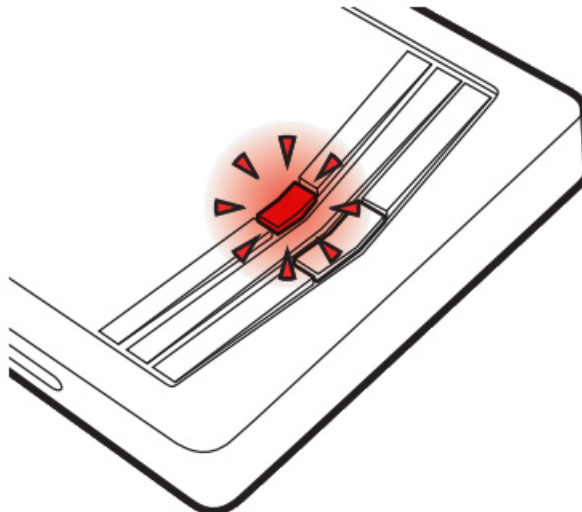
1. DISCONNECT cartridge from remote starter.



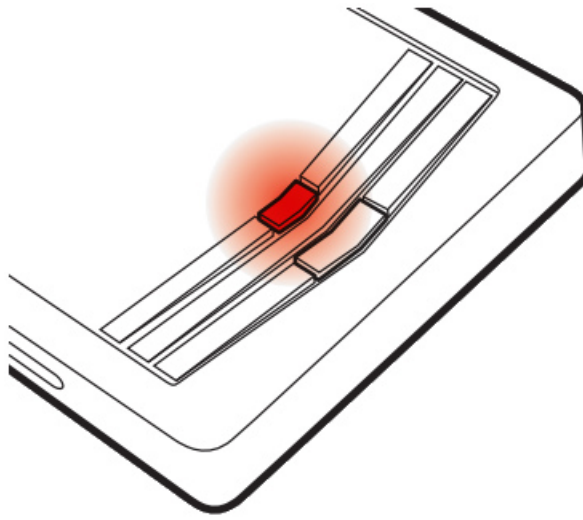
2. PRESS AND HOLD programming button while re-connecting cartridge to remote starter.



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.

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Documents / Resources

	<p>idatalink BLADE Series Web Programmable Data Immobilizer Bypass and Doorlock Integration Cartridge [pdf] Installation Guide</p> <p>Yukon - Denali 99-02, Yukon - Denali 03-06, BLADE Series, BLADE Series Web Programmable Data Immobilizer Bypass and Doorlock Integration Cartridge, Web Programmable Data Immobilizer Bypass and Doorlock Integration Cartridge, Data Immobilizer Bypass and Doorlock Integration Cartridge, Immobilizer Bypass and Doorlock Integration Cartridge, Bypass and Doorlock Integration Cartridge, Doorlock Integration Cartridge, Integration Cartridge, Cartridge</p>
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References

- [User Manual](#)