

Automotive Data Solutions Inc.

INSTALL GUIDE

ADS-AL(DL)-VW4-EN

VW4

AVAILABLE FOR: ADS-AL CA

Rev. Date: October 21, 2013

Doc. No.: ##12490##

VERSION FRANÇAISE DISPONIBLE EN LIGNE AU WWW.IDATALINK.COM

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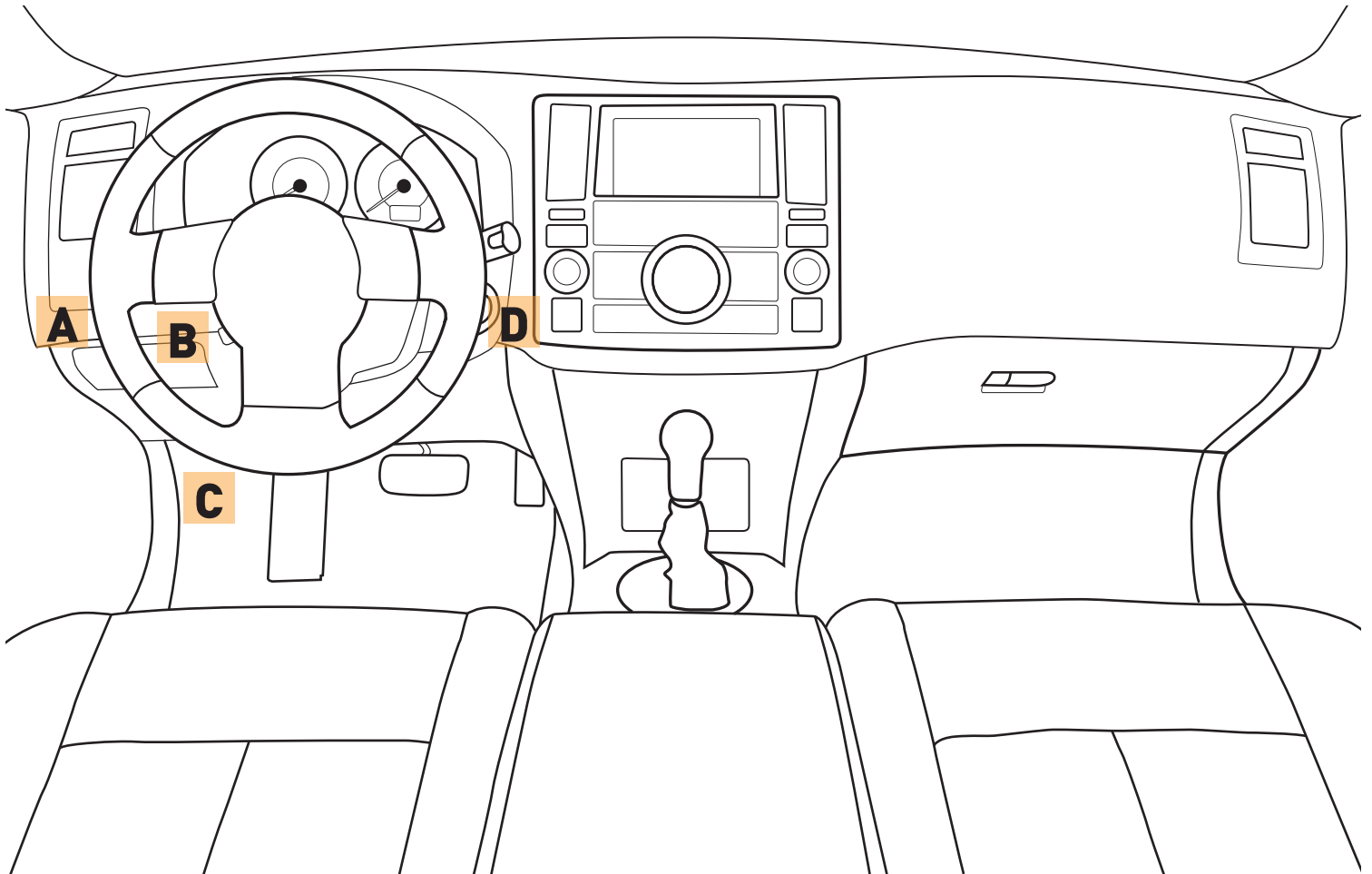
Volkswagen

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										
				DOOR LOCK	DOOR UNLOCK	ARM OEM ALARM	DISARM OEM ALARM	POWER LIFTGATE	DOOR STATUS OUTPUT	HOOD STATUS OUTPUT	TRUNK STATUS OUTPUT	BRAKE PEDAL STATUS OUTPUT	E-BRAKE OUTPUT	TACHOMETER OUTPUT
VOLKSWAGEN	Touareg	11-13	1	•	•	•	•	•	•	•	•	•	•	•

COMPONENT LOCATOR



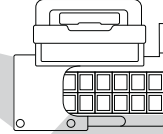
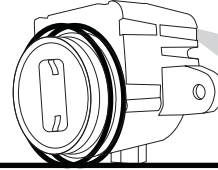
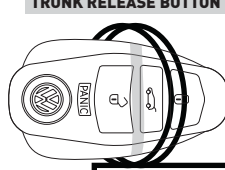
TYPE 1 - WIRE CROSS REFERENCE CHART

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
VOLKSWAGEN	Touareg	11-13	CanH	~	Black	~	~	Orange/LtGreen	(DATA)	Twisted wires in door harness, driver kick panel	C
			CanL	~	Black	~	~	Orange/Brown	(DATA)	Twisted wires in door harness, driver kick panel	C
			Brake	~	Gray	32 pin	2	Black/Red	(+)	BCM driver side dash	B
			Ignition	~	~	~	~	Black	(+)	Back of fuse box driver side dash	A
			12 V	~	~	~	~	Red/Yellow	(+)	Back of fuse box driver side dash	A
			Key 1	~	Black	16 pin	12	Black/White	~	Ignition switch	D
			Key 4	~	Black	16 pin	3	Yellow/Black	~	Ignition switch	D
			Key 3	~	Black	16 pin	4	Yellow/Purple	~	Ignition switch	D
Key 2	~	Black	16 pin	11	Black	~	Ignition switch	D			

TYPE 1 - WIRING DIAGRAM

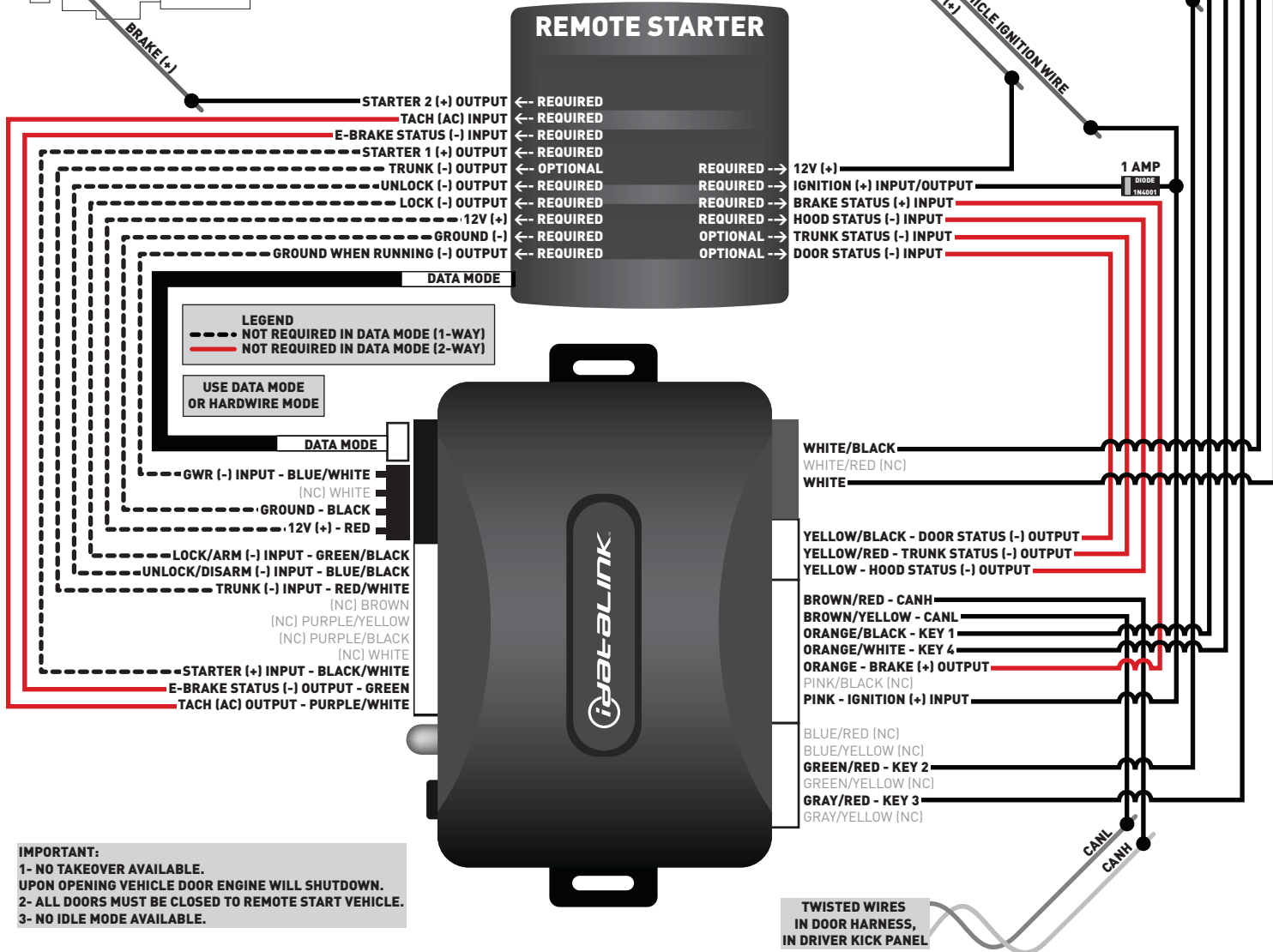
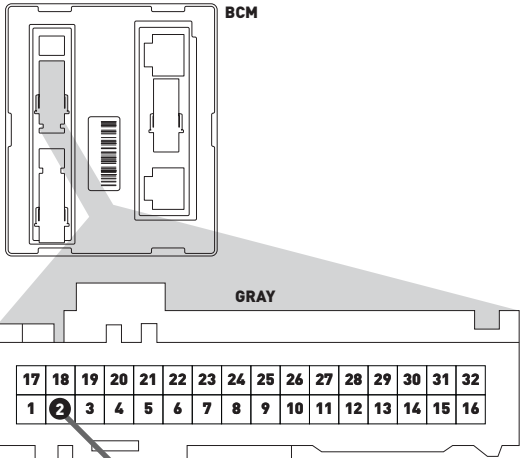
TWO KEYS ARE REQUIRED FOR THIS INSTALLATION. ONE KEY WILL REMAIN PERMANENTLY IN THE VEHICLE. THE OTHER KEY WILL BE USED FOR THE PROGRAMMING PROCEDURE. IT WILL THEN BE RETURNED TO THE OWNER.

LOOPS MUST BE BETWEEN UNLOCK BUTTON AND TRUNK RELEASE BUTTON



20 LOOPS (24 AWG) AROUND KEYFOB

20 LOOPS (24 AWG) AROUND KEYPORT





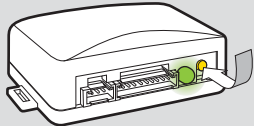
IMPORTANT:

- 1- NO TAKEOVER AVAILABLE. UPON OPENING VEHICLE DOOR ENGINE WILL SHUTDOWN.
- 2- ALL DOORS MUST BE CLOSED TO REMOTE START VEHICLE.
- 3- NO IDLE MODE AVAILABLE.

INSTALLATION MODE SELECTION

- 1**  Press and release programming button to select installation mode.

 LED flashes (1X) once = DATA MODE
 LED flashes (2X) twice = STANDARD HARDWIRE MODE

- 2**  Press and hold programming button until LED turns solid GREEN to register selection.




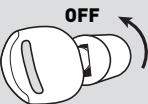
After registration, follow Factory Reset Procedure to change installation mode and restart this procedure.

MODULE PROGRAMMING PROCEDURE

- 1**  Insert key into ignition.

- 2**  Turn key to ON position.

- 3**  Wait, LED will turn solid GREEN for **2 seconds**.

- 4**  Turn key to OFF position.

- 5** Module Programming Procedure completed.

TAKEOVER NOT AVAILABLE

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.

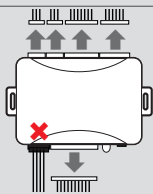
L → 1990	S → 1995	Y → 2000	5 → 2005	A → 2010
M → 1991	T → 1996	1 → 2001	6 → 2006	B → 2011
N → 1992	V → 1997	2 → 2002	7 → 2007	C → 2012
P → 1993	W → 1998	3 → 2003	8 → 2008	D → 2013
R → 1994	X → 1999	4 → 2004	9 → 2009	E → 2014

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 GREEN	Additional steps required to complete programming	Correctly programmed and operational	False ground when running status from remote starter
Solid GREEN 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

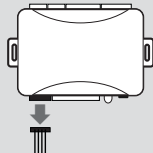
FACTORY RESET PROCEDURE

1



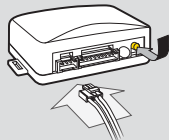
DISCONNECT all connectors from module **EXCEPT** the black 4-PIN standard or optional data connector.

2



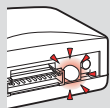
DISCONNECT black 4-PIN standard or optional data connector.

3



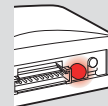
PRESS AND HOLD programming button while connecting either 4-PIN standard or optional data connector.

4



When LED flashes red, **RELEASE** programming button.

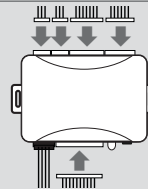
5



LED will turn solid red for 2 seconds.

RESET COMPLETED.

6



RECONNECT all connectors.

7

Repeat programming procedure.



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