



Automotive Data Solutions Inc.

INSTALL GUIDE

ADS-VW(TB)-VW1-EN

AVAILABLE FOR: ADS-TBSL-VW1

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PATENT NO. US 8,856,780 CA 2759622

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Audi

Lamborghini

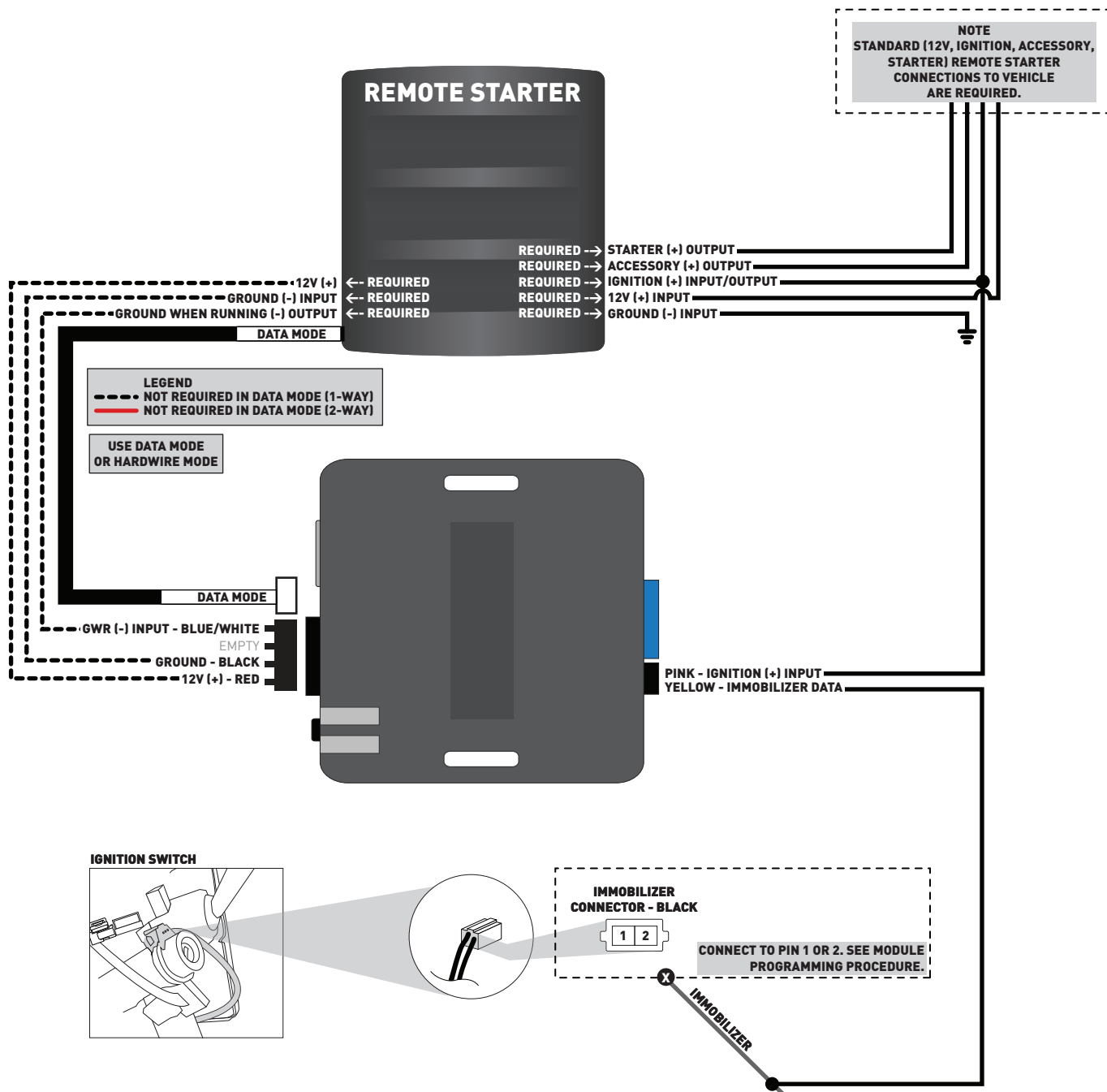
Volkswagen

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INSTALL TYPE SELECTION - 1 OF 1

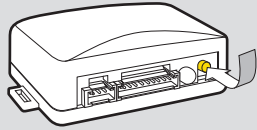
| MAKE | MODEL | YEAR | INSTALL TYPE | FEATURE |
|-------------|---------------------------|-------|--------------|-------------------------|
| | | | | DATA IMMOBILIZER BYPASS |
| AUDI | A3 / S3 STD key | 06-14 | 1 | • |
| | R8 | 08-15 | 1 | • |
| | TT STD key | 06-15 | 1 | • |
| | Q3 STD key | 15-18 | 1 | • |
| | Q3 PTS | 15-18 | 1 | • |
| LAMBORGHINI | Gallardo | 06-12 | 1 | • |
| VOLKSWAGEN | Beetle STD Key | 12-16 | 1 | • |
| | Beetle PTS | 12-16 | 1 | • |
| | CC PTS (with keyport) | 08-12 | 1 | • |
| | Eos STD Key | 06-16 | 1 | • |
| | Eos PTS | 12-16 | 1 | • |
| | Golf / GTI STD key | 06-14 | 1 | • |
| | Golf / GTI PTS | 12-14 | 1 | • |
| | Golf City | 07-10 | 1 | • |
| | Jetta STD Key | 06-16 | 1 | • |
| | Jetta PTS | 11-16 | 1 | • |
| | Jetta City | 07-10 | 1 | • |
| | Jetta GLI STD Key | 11-16 | 1 | • |
| | Jetta GLI PTS | 11-16 | 1 | • |
| | Jetta Hybrid PTS | 13-16 | 1 | • |
| | Passat STD Key | 12-16 | 1 | • |
| | Passat PTS | 12-16 | 1 | • |
| | Passat PTS (with keyport) | 06-10 | 1 | • |
| | Rabbit STD Key | 06-09 | 1 | • |
| | Tiguan STD Key | 09-16 | 1 | • |
| | Tiguan PTS | 09-16 | 1 | • |

TYPE 1 - WIRING DIAGRAM - 1 OF 1



INSTALLATION MODE SELECTION

1



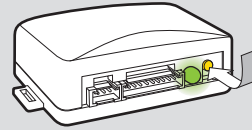
Press and release programming button to select installation mode.



LED flashes (1X) once = DATA MODE

LED flashes (2X) twice = STANDARD HARDWARE MODE

2



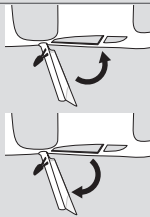
Press and hold programming button until LED turns solid GREEN to register selection.



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

MODULE PROGRAMMING PROCEDURE - STD KEY - 1 OF 2

1

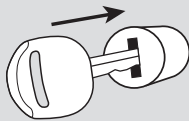


Close driver door.

Re-open driver door to wake up data bus.

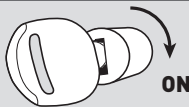
Keep driver door open during programming.

2



Insert key into ignition.

3

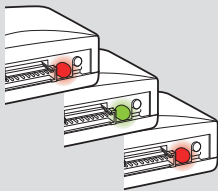


Turn key to ON position.



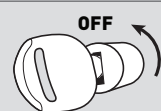
If the LED flashes RED three times (3x), set the ignition OFF and remove the key. Reverse the connection to the immobilizer connector and restart the programming procedure.

4



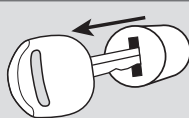
Wait, LED will turn solid RED, then GREEN, then RED.

5



Turn key to OFF position.

6



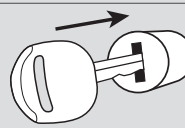
Remove key.

7



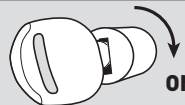
Repeat steps 2 to 6, 6 times OR until the LED flashes GREEN rapidly.

8



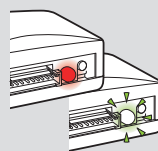
Insert key into ignition.

9



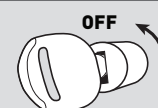
Turn key to ON position.

10



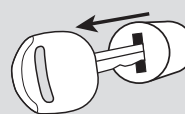
Wait, LED will turn solid RED then will flash GREEN rapidly.

11



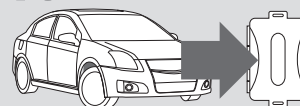
Turn key to OFF position.

12



Remove key.

13



WARNING:
Disconnect power last.
Disconnect module from vehicle.

14



Connect module to computer and proceed with extended programming.

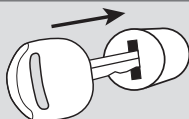
15



WARNING: Do not press module programming button.
Connect power first.
Connect module to vehicle.

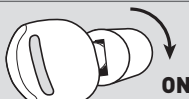
MODULE PROGRAMMING PROCEDURE - STD KEY - 2 OF 2

16



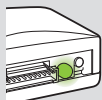
Insert key into ignition.

17



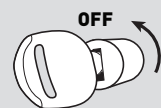
Turn key to ON position.

18



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

19



Turn key to OFF position.

20

Module Programming Procedure completed.

INSTALLATION MODE SELECTION

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

LED flashes (1X) once = DATA MODE
 LED flashes (2X) twice = STANDARD HARDWARE 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 - PTS - 1 OF 2

NOTE

- I When programming, only one key fob will be used. The other one must be located at least 10 feet away from the vehicle.

- 1** Close driver door.
 Re-open driver door to wake up data bus.
 Keep driver door open during programming.

- 2** Remove battery from OEM keyfob.

- 3** Place the keyfob against the backup transceiver on the site of the steering column.

- 4** Set ignition to ON position.

! If the LED flashes RED three times (3x), set the ignition OFF and remove the key. Reverse the connection to the immobilizer connector and restart the programming procedure.

- 5** Wait, LED will turn solid RED, then GREEN, then RED.

- 6** Set ignition to OFF position.

- 7** Repeat steps 3 to 6, 6 times OR until the LED flashes GREEN rapidly.

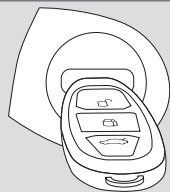
- 8** **WARNING:**
 Disconnect power last.
 Disconnect module from vehicle.

- 9** Connect module to computer and proceed with extended programming.

- 10** **WARNING:** Do not press module programming button.
 Connect power first.
 Connect module to vehicle.

MODULE PROGRAMMING PROCEDURE - PTS - 2 OF 2

11



Place the keyfob against the backup transceiver on the side of the steering column.

12

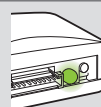
OFF ACC **ON** START



Set ignition to ON position.



13



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

14

OFF ACC ON START



Set ignition to OFF position.



15

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.

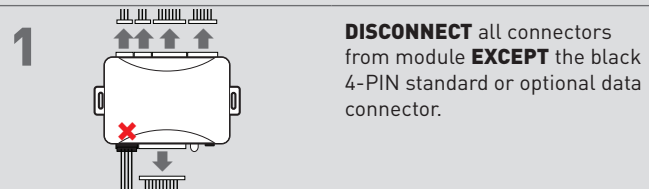


| | | | | | | | | | |
|---|------|---|------|---|------|---|------|---|------|
| A | 1980 | L | 1990 | Y | 2000 | A | 2010 | L | 2020 |
| B | 1981 | M | 1991 | 1 | 2001 | B | 2011 | M | 2021 |
| C | 1982 | N | 1992 | 2 | 2002 | C | 2012 | N | 2022 |
| D | 1983 | P | 1993 | 3 | 2003 | D | 2013 | P | 2023 |
| 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 |

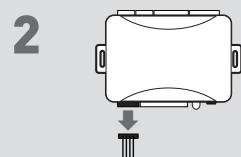
MODULE DIAGNOSTICS

| LED STATUS | 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 |

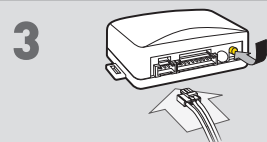
FACTORY RESET PROCEDURE



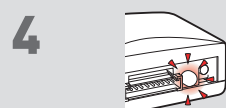
DISCONNECT all connectors from module **EXCEPT** the black 4-PIN standard or optional data connector.



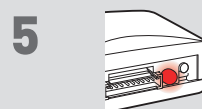
DISCONNECT black 4-PIN standard or optional data connector.



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

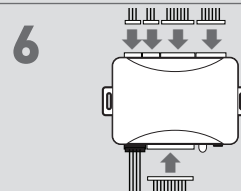


When LED flashes red, **RELEASE** programming button.



LED will turn solid red for 2 seconds.

RESET COMPLETED.



RECONNECT all connectors.

7

Repeat programming procedure.



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