



Automotive Data Solutions Inc.

INSTALL GUIDE

ADS-AL(DL)-VW1-EN

AVAILABLE FOR: ADS-AL CA

Rev. Date: November 27, 2018

Doc. No.: ##55803##

PATENT NO. US 8,856,780 CA 2759622

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INSTALL TYPE SELECTION - 1 OF 2

MAKE	MODEL	YEAR	INSTALL TYPE	INSTALL TYPE WITH ADS-TBSL-VW1	FEATURES													
					PRIORITY UNLOCK	DOOR LOCK	DOOR UNLOCK	ARM OEM ALARM	DISARM OEM ALARM	A/M ALARM CTRL FROM OEM REMOTES	A/M RS CTRL FROM OEM REMOTES	TRUNK/HATCH RELEASE	DOOR STATUS OUTPUT	HOOD STATUS OUTPUT***	TRUNK STATUS OUTPUT	BRAKE PEDAL STATUS OUTPUT	E-BRAKE OUTPUT	TACHOMETER OUTPUT
AUDI	A3 STD key	06-09	1	1+	•	•	•	•	•			•	•	•	•	•	•	•
	A3 STD key	10-14	5	5+	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	A4 STD key	02-05	1	~	•	•	•	•	•			•	•	•	•	•	•	•
	A4 STD key	06-08	1	1+	•	•	•	•	•			•	•	•	•	•	•	•
	A6 STD key****	06-11	3	~	•	•	•	•	•			•	•	•	•	•	•	•
	Q3 STD key	15-16	6	6+	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Q3 STD key	17-18	9	9+	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Q7 STD key****	06-15	3	~	•	•	•	•	•			•	•	•	•	•	•	•
	S3 STD key	06-09	1	1+	•	•	•	•	•			•	•	•	•	•	•	•
	S3 STD key	10-14	5	5+	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	S4 STD key	02-05	1	~	•	•	•	•	•			•	•	•	•	•	•	•
	S4 STD key	06-08	1	1+	•	•	•	•	•			•	•	•	•	•	•	•
	S6 STD key****	06-11	3	~	•	•	•	•	•			•	•	•	•	•	•	•
	TT STD key	06-09	1	1+	•	•	•	•	•			•	•	•	•	•	•	•
	TT STD key	10-15	5	5+	•	•	•	•	•	•	•	•	•	•	•	•	•	•

NOTE

I If pressing the brake pedal is required to start the vehicle with a STD key then connect the starter wire to the starter solenoid in engine bay OR the brake wire at the BCM.
See RS manufacturer for wire information.

II Alternative installations are available with the ADS-TBSL-VW1 module (sold separately).

* AL Module will be functional on these vehicles only if they are equipped with electric windows.

** With electric windows & sunroof.

*** Available only if vehicle is equipped with factory hood switch.

**** Remote start functionality is not supported.

INSTALL TYPE SELECTION - 2 OF 2

MAKE	MODEL	YEAR	INSTALL TYPE	INSTALL TYPE WITH ADS-TBSL-VW1	FEATURES													
					PRIORITY UNLOCK	DOOR LOCK	DOOR UNLOCK	ARM OEM ALARM	DISARM OEM ALARM	A/M ALARM CTRL FROM OEM REMOTES	A/M RS CTRL FROM OEM REMOTES	TRUNK/HATCH RELEASE	DOOR STATUS OUTPUT	HOOD STATUS OUTPUT***	TRUNK STATUS OUTPUT	BRAKE PEDAL STATUS OUTPUT	E-BRAKE OUTPUT	TACHOMETER OUTPUT
VOLKSWAGEN	Beetle STD key	12-16	4	4+						•	•		•	•	•	•	•	•
	Beetle STD key	17-18	7	~						•	•		•	•	•	•	•	•
	Beetle STD key*	02-05	1	~	•	•	•	•	•				•	•	•			
	Beetle STD key*	06-11	1	1+	•	•	•	•	•				•	•	•			
	CC PTS	08-10	2	2+	•	•	•	•	•			•	•	•	•	•	•	•
	CC PTS	11-14	2	2+	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	CC PTS	15-16	2	~	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	City Golf STD key**	07-10	1	1+	•	•	•	•	•			•	•	•	•			•
	City Jetta STD key**	07-10	1	1+	•	•	•	•	•			•	•	•	•			•
	Eos STD key	06-09	1	1+	•	•	•	•	•			•	•	•	•	•	•	•
	Eos STD key	10-16	5	5+	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Golf STD key*	02-05	1	~	•	•	•	•	•				•	•	•			•
	Golf STD key	06-09	1	1+	•	•	•	•	•				•	•	•	•	•	•
	Golf STD key	10-14	5	5+	•	•	•	•	•	•	•		•	•	•	•	•	•
	GLI STD key	11-16	5	5+	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	GLI STD key	17-18	8	~	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	GTI STD key*	02-05	1	~	•	•	•	•	•				•	•	•			•
	GTI STD key	06-09	1	1+	•	•	•	•	•			•	•	•	•	•	•	•
	GTI STD key	10-14	5	5+	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Jetta STD key*	02-05	1	~	•	•	•	•	•				•	•	•			•
	Jetta STD key	06-10	1	1+	•	•	•	•	•			•	•	•	•	•	•	•
	Jetta (2 plug BCM) STD key	11-16	4	4+						•	•		•	•	•	•	•	•
	Jetta (2 plug BCM) STD key	17-18	7	~						•	•		•	•	•	•	•	•
	Jetta (3 plug BCM) STD key	11-16	5	5+	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Jetta (3 plug BCM) STD key	17-18	8	~	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Passat PTS	06-10	2	2+	•	•	•	•	•			•	•	•	•	•	•	•
	Passat STD key*	02-05	1	~	•	•	•	•	•				•	•	•			•
	Passat STD key	12-16	5	5+	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Passat STD key	17-18	8	~	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Rabbit STD key	06-09	1	1+	•	•	•	•	•			•	•	•	•	•	•	•
	Tiguan STD key	09	1	1+	•	•	•	•	•			•	•	•	•	•	•	•
	Tiguan STD key	10-16	5	5+	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Tiguan STD key	17	8	~	•	•	•	•	•	•	•	•	•	•	•	•	•	•

* AL Module will be functional on these vehicles only if they are equipped with electric windows.

** With electric windows & sunroof.

*** Available only if vehicle is equipped with factory hood switch.

**** Electronic ignition switch control for remote start functionality is NOT supported.

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
AUDI	A3 STD key	06-09	CanH	~	~	~	~	Orange/LtGreen	(DATA)	Twisted wires, door harness, driver kick panel	~
			CanL	~	~	~	~	Orange/Brown	(DATA)	Twisted wires, door harness, driver kick panel	~
	A4 STD key	02-08	CanH	~	~	~	~	Orange/LtGreen	(DATA)	Twisted wires, door harness, driver kick panel	~
			CanL	~	~	~	~	Orange/Brown	(DATA)	Twisted wires, door harness, driver kick panel	~
	S3 STD key	06-09	CanH	~	~	~	~	Orange/LtGreen	(DATA)	Twisted wires, door harness, driver kick panel	~
			CanL	~	~	~	~	Orange/Brown	(DATA)	Twisted wires, door harness, driver kick panel	~
	S4 STD key	02-08	CanH	~	~	~	~	Orange/LtGreen	(DATA)	Twisted wires, door harness, driver kick panel	~
			CanL	~	~	~	~	Orange/Brown	(DATA)	Twisted wires, door harness, driver kick panel	~
	TT STD key	06-09	CanH	~	~	~	~	Orange/LtGreen	(DATA)	Twisted wires, door harness, driver kick panel	~
			CanL	~	~	~	~	Orange/Brown	(DATA)	Twisted wires, door harness, driver kick panel	~
VOLKSWAGEN	New Beetle STD key	02-11	CanH	~	~	~	~	Orange/LtGreen	(DATA)	Twisted wires, door harness, driver kick panel	~
			CanL	~	~	~	~	Orange/Brown	(DATA)	Twisted wires, door harness, driver kick panel	~
	City Golf STD key	07-10	CanH	~	~	~	~	Orange/LtGreen	(DATA)	Twisted wires, door harness, driver kick panel	~
			CanL	~	~	~	~	Orange/Brown	(DATA)	Twisted wires, door harness, driver kick panel	~
	City Jetta STD key	07-10	CanH	~	~	~	~	Orange/LtGreen	(DATA)	Twisted wires, door harness, driver kick panel	~
			CanL	~	~	~	~	Orange/Brown	(DATA)	Twisted wires, door harness, driver kick panel	~
	Eos STD key	06-09	CanH	~	~	~	~	Orange/LtGreen	(DATA)	Twisted wires, door harness, driver kick panel	~
			CanL	~	~	~	~	Orange/Brown	(DATA)	Twisted wires, door harness, driver kick panel	~
	Golf STD key	02-09	CanH	~	~	~	~	Orange/LtGreen	(DATA)	Twisted wires, door harness, driver kick panel	~
			CanL	~	~	~	~	Orange/Brown	(DATA)	Twisted wires, door harness, driver kick panel	~
	GTI STD key	02-09	CanH	~	~	~	~	Orange/LtGreen	(DATA)	Twisted wires, door harness, driver kick panel	~
			CanL	~	~	~	~	Orange/Brown	(DATA)	Twisted wires, door harness, driver kick panel	~
	Jetta STD key	02-10	CanH	~	~	~	~	Orange/LtGreen	(DATA)	Twisted wires, door harness, driver kick panel	~
			CanL	~	~	~	~	Orange/Brown	(DATA)	Twisted wires, door harness, driver kick panel	~
	Passat STD key	02-05	CanH	~	~	~	~	Orange/LtGreen	(DATA)	Twisted wires, door harness, driver kick panel	~
			CanL	~	~	~	~	Orange/Brown	(DATA)	Twisted wires, door harness, driver kick panel	~
	Rabbit STD key	06-09	CanH	~	~	~	~	Orange/LtGreen	(DATA)	Twisted wires, door harness, driver kick panel	~
			CanL	~	~	~	~	Orange/Brown	(DATA)	Twisted wires, door harness, driver kick panel	~
	Tiguan STD key	09	CanH	~	~	~	~	Orange/LtGreen	(DATA)	Twisted wires, door harness, driver kick panel	~
			CanL	~	~	~	~	Orange/Brown	(DATA)	Twisted wires, door harness, driver kick panel	~

**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.**

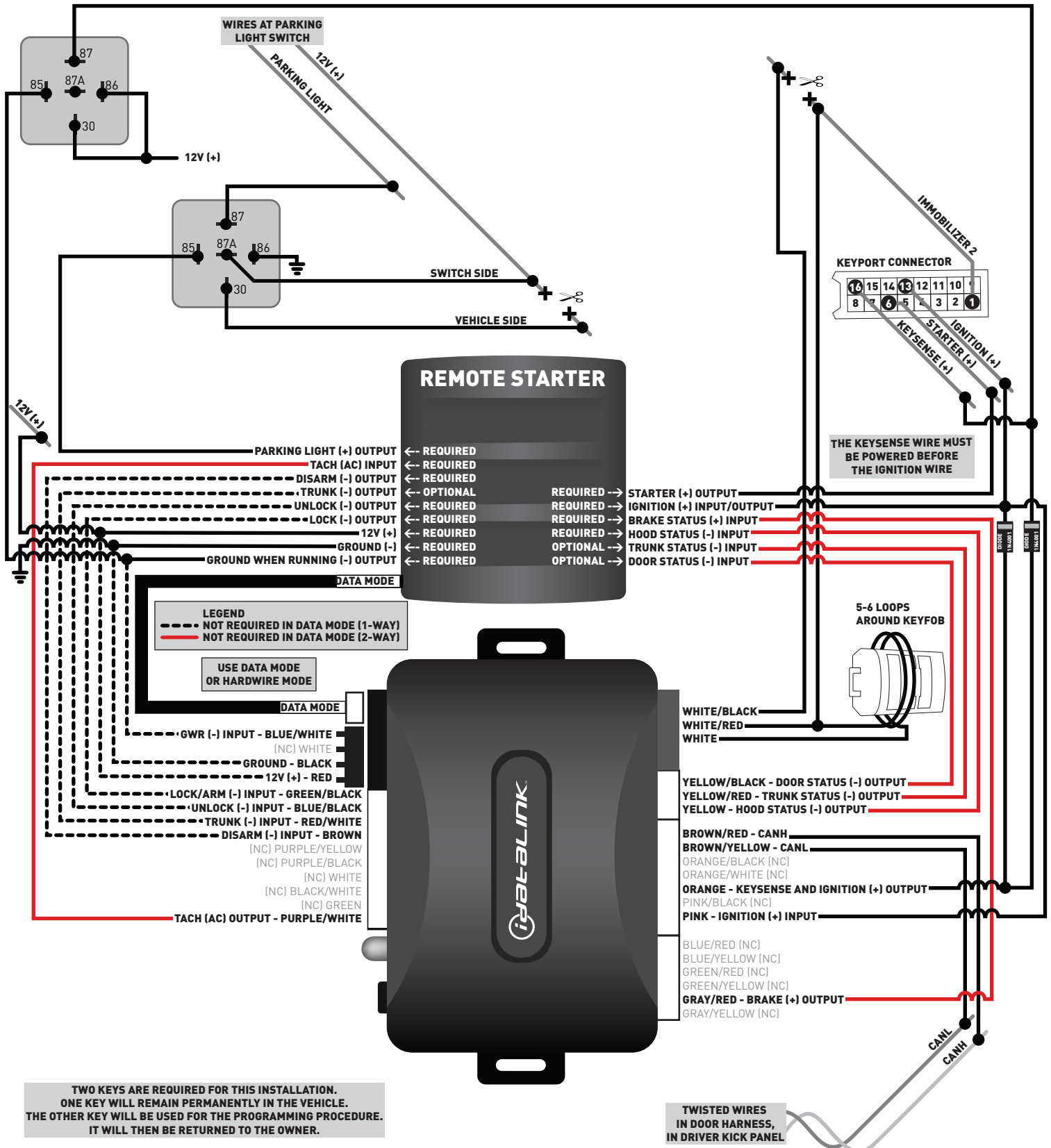


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TYPE 2 - WIRE CROSS REFERENCE CHART

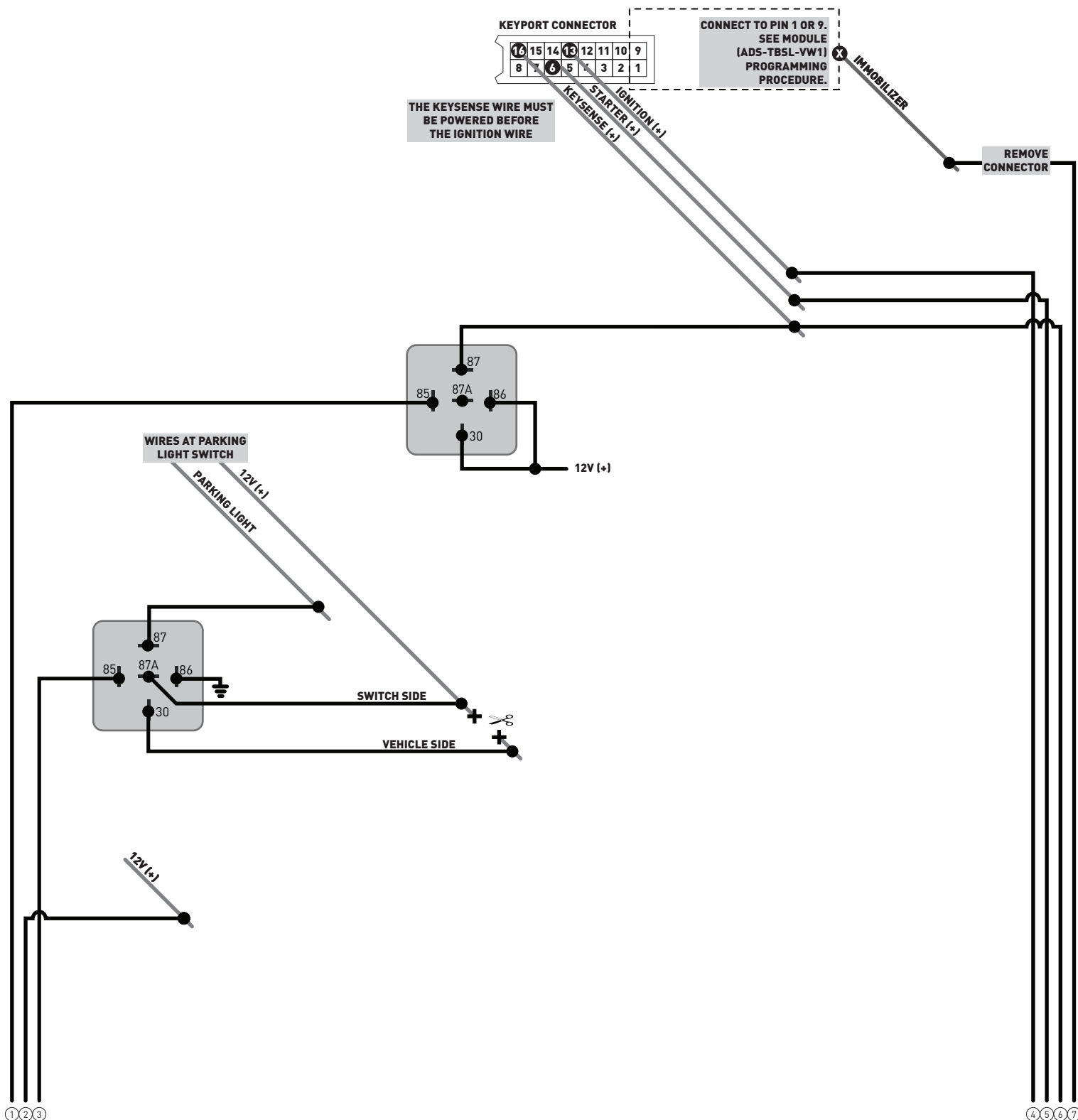
MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
VOLKSWAGEN	CC PTS	08-16	CanL	~	~	~	~	Orange/Brown	(DATA)	Twisted wires, door harness, driver kick panel	~
			CanH	~	~	~	~	Orange/LtGreen	(DATA)	Twisted wires, door harness, driver kick panel	~
			12V	~	~	~	~	Red/Black	(+)	Parking light switch	~
			Parking Light	~	~	~	~	White/Black	~	Parking light switch	~
			Ignition	~	~	16 pin	13	Green/Gray	(+)	Keyport	~
			Starter	~	~	16 pin	06	Red/Gray	(+)	Keyport	~
			Keysense	~	~	16 pin	16	LtGreen	(+)	Keyport	~
			Immobilizer 1	~	~	16 pin	09	Black	(DATA)	Keyport	~
			Immobilizer 2	~	~	16 pin	01	White	(DATA)	Keyport	~
	Passat PTS	06-10	CanL	~	~	~	~	Orange/Brown	(DATA)	Twisted wires, door harness, driver kick panel	~
			CanH	~	~	~	~	Orange/LtGreen	(DATA)	Twisted wires, door harness, driver kick panel	~
			12V	~	~	~	~	Red/Black	(+)	Parking light switch	~
			Parking Light	~	~	~	~	White/Black	~	Parking light switch	~
			Ignition	~	~	16 pin	13	Green/gray	(+)	Keyport	~
			Starter	~	~	16 pin	06	Red/Gray	(+)	Keyport	~
			Keysense	~	~	16 pin	16	LtGreen	(+)	Keyport	~
			Immobilizer 1	~	~	16 pin	09	Black	(DATA)	Keyport	~
			Immobilizer 2	~	~	16 pin	01	White	(DATA)	Keyport	~

TYPE 2 - WIRING DIAGRAM - 1 OF 1

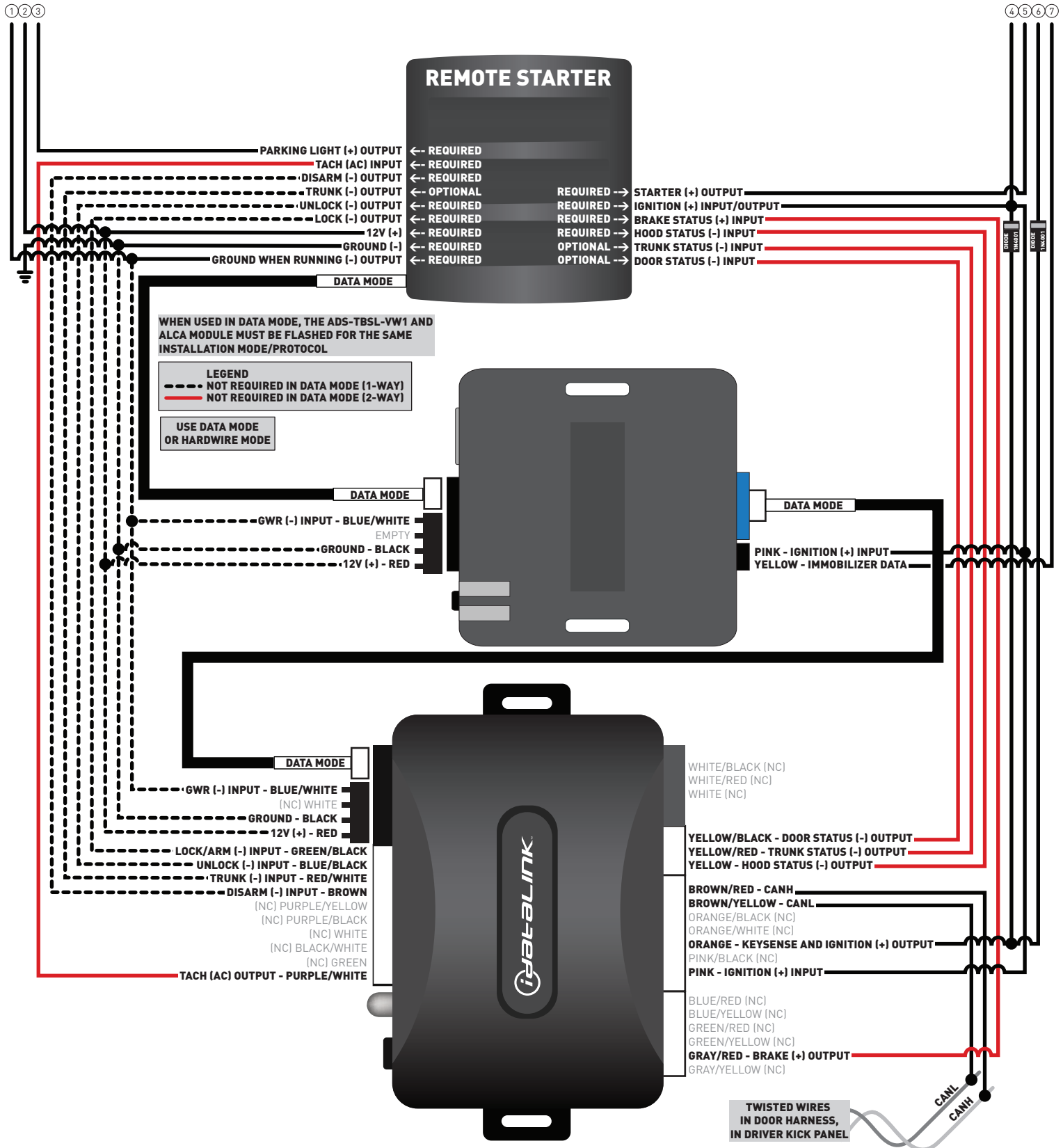


TWO KEYS ARE REQUIRED FOR THIS INSTALLATION. ONE KEY WILL REMAIN PERMANENTLY IN THE VEHICLE. THE OTHER KEY WILL BE USED FOR THE PROGRAMMING PROCEDURE. IT WILL THEN BE RETURNED TO THE OWNER.

TYPE 2+ ADS-TBSL-VW1 - WIRING DIAGRAM - 1 OF 2



TYPE 2+ ADS-TBSL-VW1 - WIRING DIAGRAM - 2 OF 2

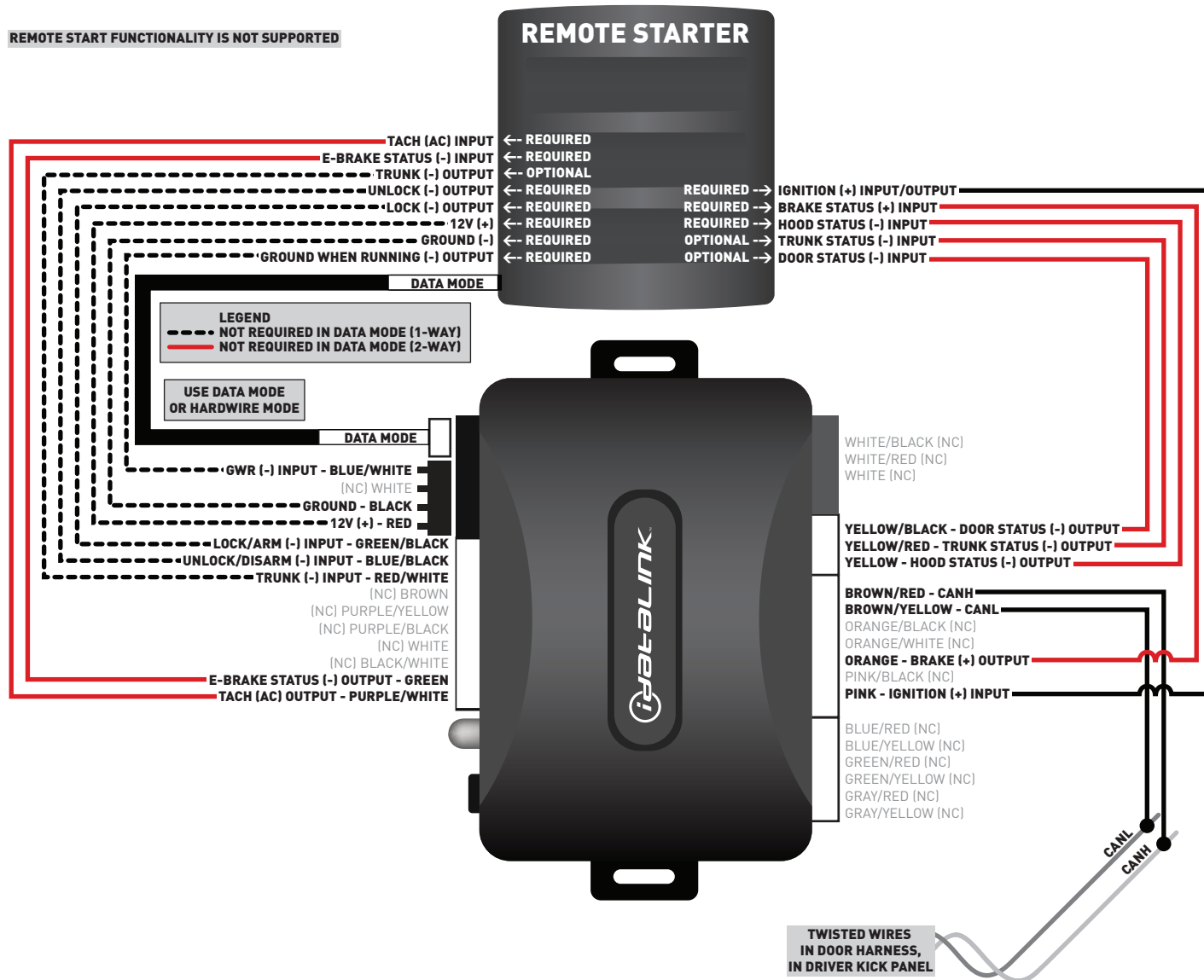


TYPE 3 - WIRE CROSS REFERENCE CHART

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
AUDI	A6 STD key	06-11	CanH	~	~	~	~	Orange/LtGreen	(DATA)	Twisted wires, door harness, driver kick panel	~
			CanL	~	~	~	~	Orange/Brown	(DATA)	Twisted wires, door harness, driver kick panel	~
	Q7 STD key	06-15	CanH	~	~	~	~	Orange/LtGreen	(DATA)	Twisted wires, door harness, driver kick panel	~
			CanL	~	~	~	~	Orange/Brown	(DATA)	Twisted wires, door harness, driver kick panel	~
	S6 STD key	06-11	CanH	~	~	~	~	Orange/LtGreen	(DATA)	Twisted wires, door harness, driver kick panel	~
			CanL	~	~	~	~	Orange/Brown	(DATA)	Twisted wires, door harness, driver kick panel	~

TYPE 3 - WIRING DIAGRAM - 1 OF 1

REMOTE START FUNCTIONALITY IS NOT SUPPORTED

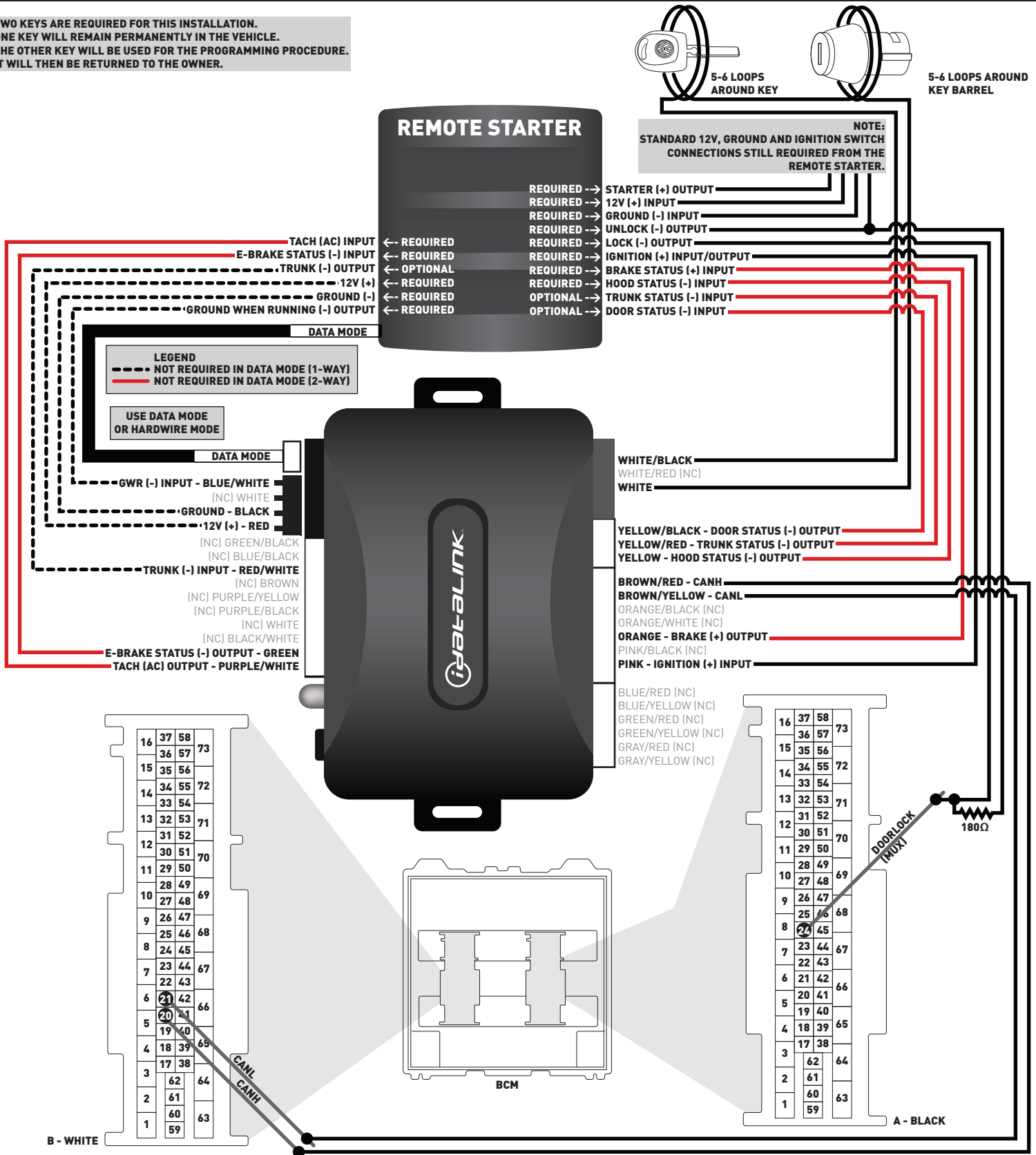


TYPE 4 - WIRE CROSS REFERENCE CHART

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
VOLKSWAGEN	Beetle STD key	12-16	CanH	B	White	73 pin	20	Orange/Green	(DATA)	BCM	~
			CanL	B	White	73 pin	21	Orange/Brown	(DATA)	BCM	~
			Doorlock	A	Black	73 pin	24	Blue/Red	(MUX)	BCM	~
	Jetta (2 plug BCM) STD key	11-16	CanH	B	White	73 pin	20	Orange/Green	(DATA)	BCM	~
			CanL	B	White	73 pin	21	Orange/Brown	(DATA)	BCM	~
			Doorlock	A	Black	73 pin	24	Blue/Red	(MUX)	BCM	~

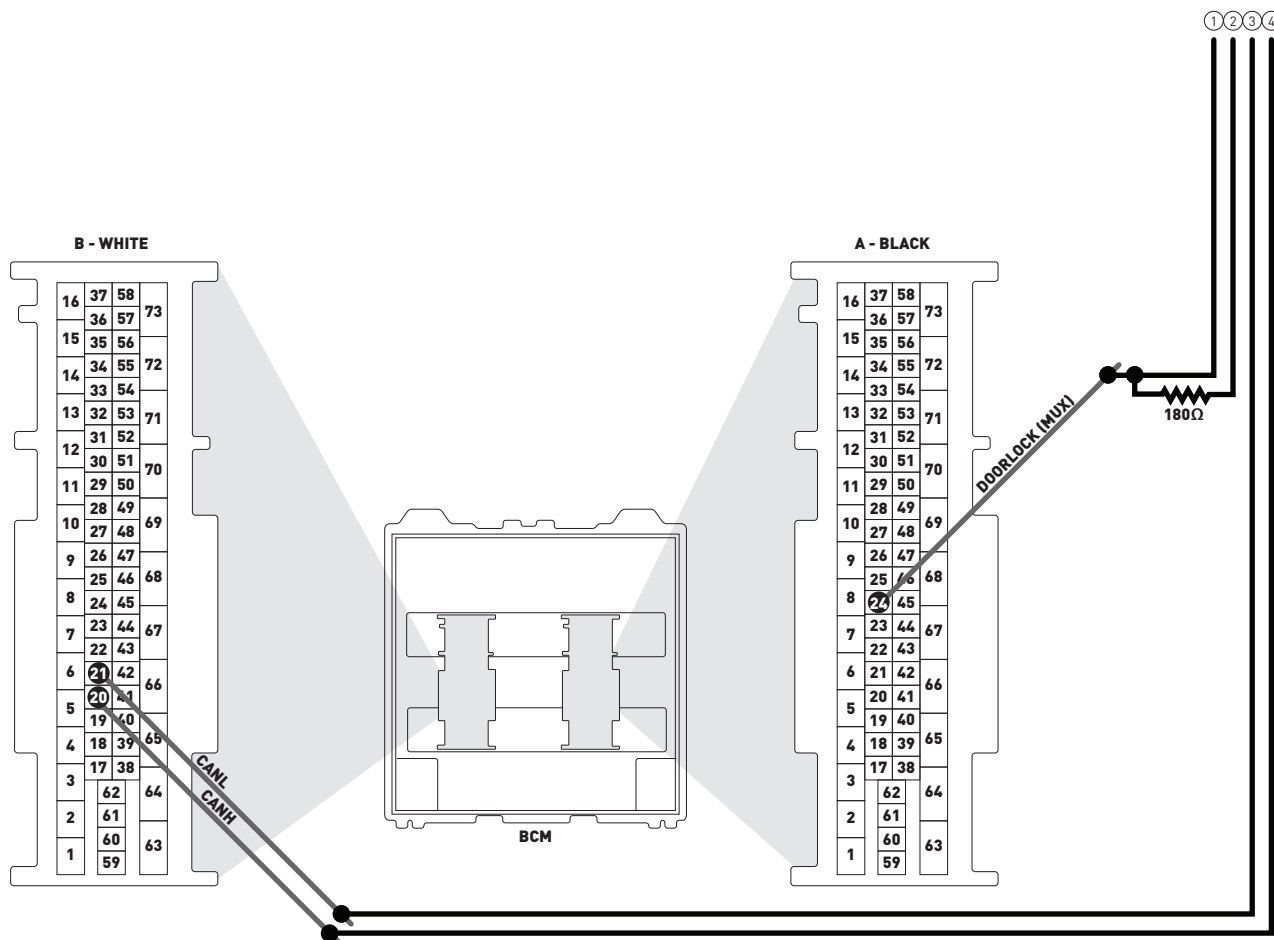
TYPE 4 - WIRING DIAGRAM - 1 OF 1

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.



①②③④

TYPE 4+ ADS-TBSL-VW1 - WIRING DIAGRAM - 2 OF 2

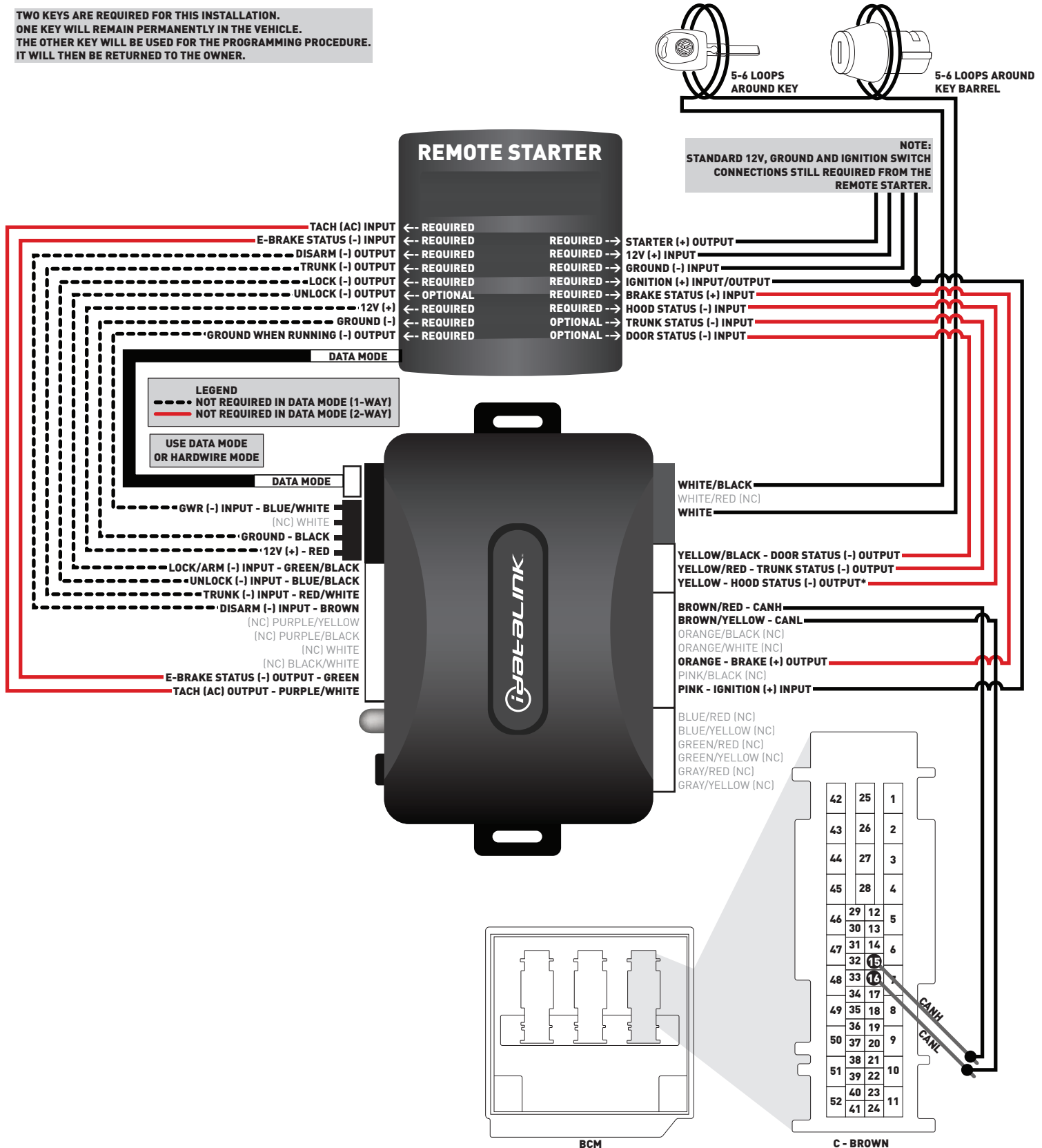


TYPE 5 - WIRE CROSS REFERENCE CHART

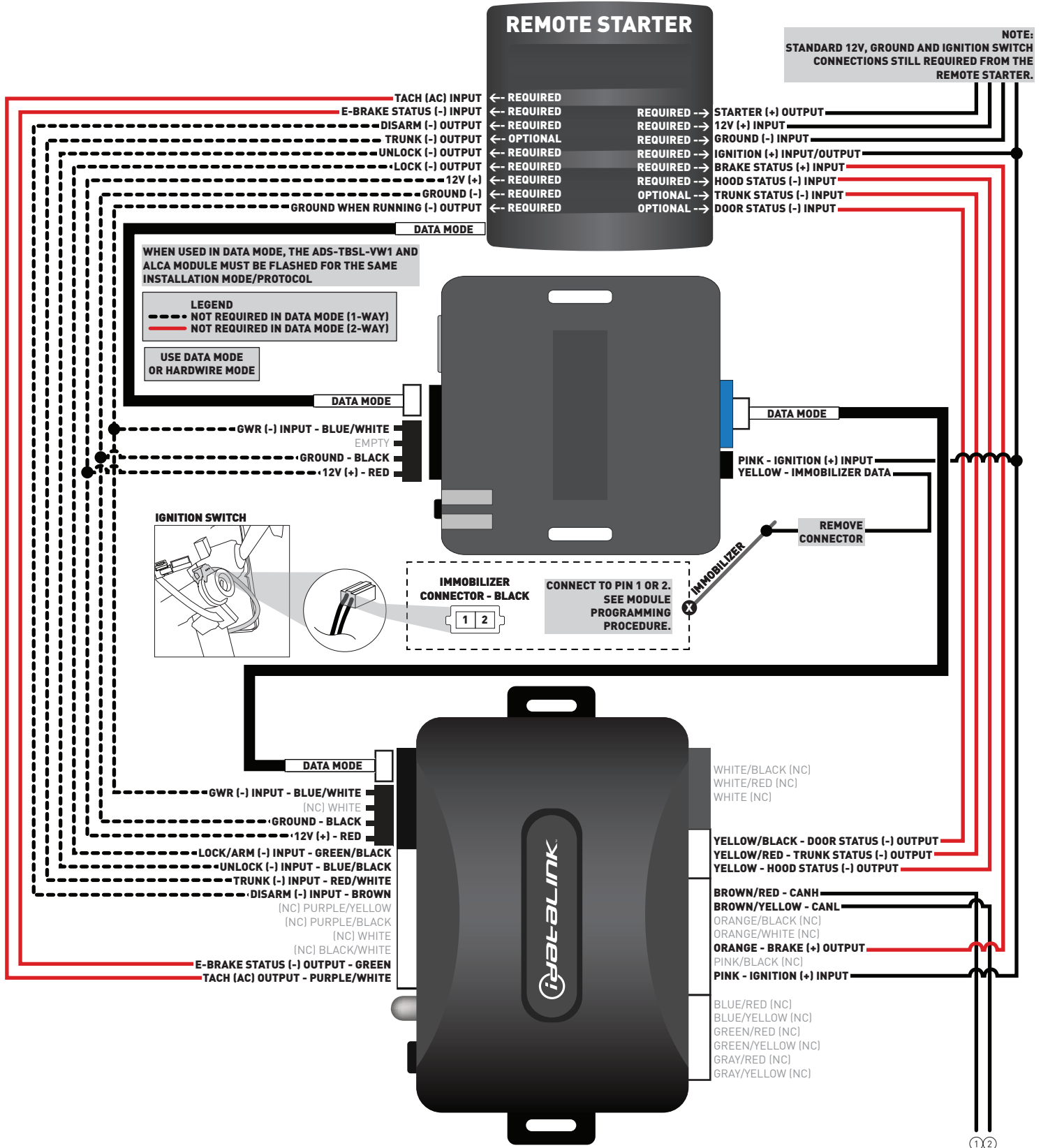
MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
AUDI	A3 STD key	10-14	CanH	C	Brown	52 pin	15	Orange/LtGreen	[DATA]	BCM	~
			CanL	C	Brown	52 pin	16	Orange/Brown	[DATA]	BCM	~
	S3 STD key	10-14	CanH	C	Brown	52 pin	15	Orange/LtGreen	[DATA]	BCM	~
			CanL	C	Brown	52 pin	16	Orange/Brown	[DATA]	BCM	~
	TT STD key	10-15	CanH	C	Brown	52 pin	15	Orange/LtGreen	[DATA]	BCM	~
			CanL	C	Brown	52 pin	16	Orange/Brown	[DATA]	BCM	~
VOLKSWAGEN	Eos STD key	10-16	CanH	C	Brown	52 pin	15	Orange/LtGreen	[DATA]	BCM	~
			CanL	C	Brown	52 pin	16	Orange/Brown	[DATA]	BCM	~
	Golf STD key	10-14	CanH	C	Brown	52 pin	15	Orange/LtGreen	[DATA]	BCM	~
			CanL	C	Brown	52 pin	16	Orange/Brown	[DATA]	BCM	~
	GLI STD key	11-16	CanH	C	Brown	52 pin	15	Orange/Green	[DATA]	BCM	~
			CanL	C	Brown	52 pin	16	Orange/Brown	[DATA]	BCM	~
	GTI STD key	10-14	CanH	C	Brown	52 pin	15	Orange/LtGreen	[DATA]	BCM	~
			CanL	C	Brown	52 pin	16	Orange/Brown	[DATA]	BCM	~
	Jetta (3 plug BCM) STD key	11-16	CanH	C	Brown	52 pin	15	Orange/Green	[DATA]	BCM	~
			CanL	C	Brown	52 pin	16	Orange/Brown	[DATA]	BCM	~
	Passat STD key	12-16	CanH	C	Brown	52 pin	15	Orange/LtGreen	[DATA]	BCM	~
			CanL	C	Brown	52 pin	16	Orange/Brown	[DATA]	BCM	~
	Tiguan STD key	10-16	CanH	C	Brown	52 pin	15	Orange/LtGreen	[DATA]	BCM	~
			CanL	C	Brown	52 pin	16	Orange/Brown	[DATA]	BCM	~

TYPE 5 - WIRING DIAGRAM - 1 OF 1

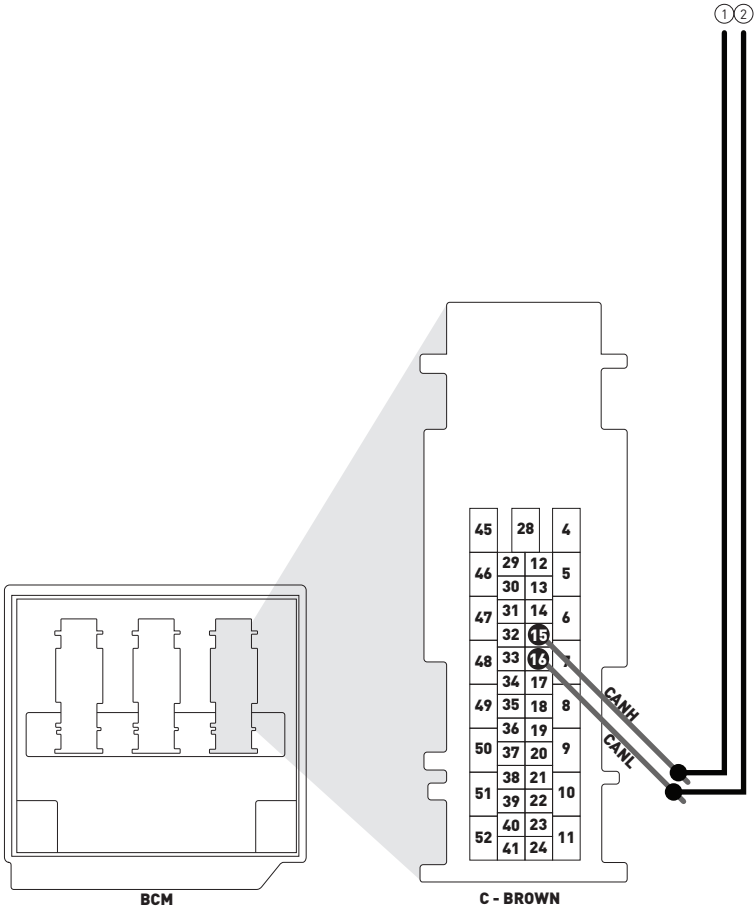
TWO KEYS ARE REQUIRED FOR THIS INSTALLATION. ONE KEY WILL REMAIN PERMANENTLY IN THE VEHICLE. THE OTHER KEY WILL BE USED FOR THE PROGRAMMING PROCEDURE. IT WILL THEN BE RETURNED TO THE OWNER.



TYPE 5+ ADS-TBSL-VW1 - WIRING DIAGRAM - 1 OF 2



TYPE 5+ ADS-TBSL-VW1 - WIRING DIAGRAM - 2 OF 2



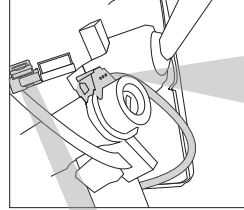
TYPE 6 - WIRE CROSS REFERENCE CHART

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
AUDI	Q3 STD key AT	15-16	CanH	~	Black	16 pin	04	Orange/Green	(DATA)	Steering column control unit	~
			CanL	~	Black	16 pin	03	Orange/Brown	(DATA)	Steering column control unit	~
			Ignition	~	Black	16 pin	14	Black	(+)	Steering column control unit	~
			Brake	T52C	Brown	73 pin	17	Black/Red	(+)	BCM	~
			Starter	~	Black	16 pin	06	Red/Black or Red/Brown	(-)	Steering column control unit	~
			12V	~	Black	02 pin	02	Red/Yellow	(+)	Parking light switch	~
			Parking Light	~	Black	10 pin	03	White/Black	(+)	Parking light switch	~
			Immobilizer	~	Black	02 pin	02	Brown or Green	(DATA)	Immobilizer	~

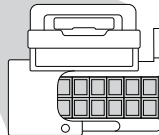
TYPE 6 - WIRING DIAGRAM - 1 OF 2

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.

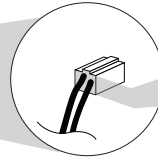
IGNITION SWITCH



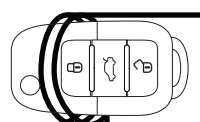
STEERING COLUMN CONTROL UNIT



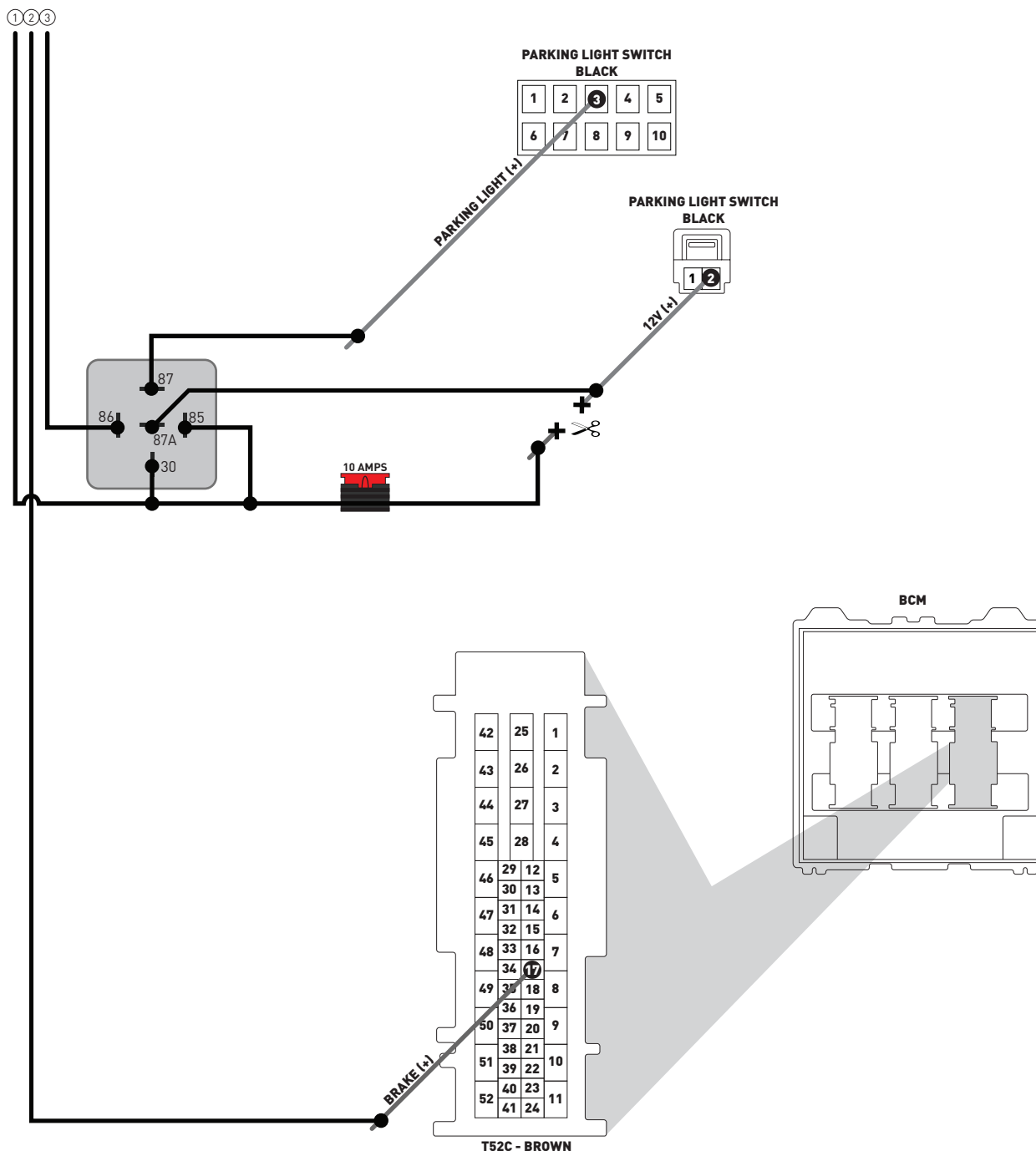
IMMOBILIZER CONNECTOR - BLACK



20 LOOPS AROUND KEYFOB REMOVE BATTERY



TYPE 6 - WIRING DIAGRAM - 2 OF 2



IGNITION SWITCH

IMMOBILIZER CONNECTOR - BLACK

CONNECT TO PIN 1 OR 2. SEE MODULE PROGRAMMING PROCEDURE.

REMOTE STARTER

STEERING COLUMN CONTROL UNIT

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

STARTER (+)

IGNITION (+)

CANH

CANL

PARKING LIGHT (-) OUTPUT

TACH (AC) INPUT

E-BRAKE STATUS (-) INPUT

STARTER 1 (+) OUTPUT

TRUNK (-) OUTPUT

UNLOCK (-) OUTPUT

LOCK (-) OUTPUT

12V (+)

GROUND (-) INPUT

GROUND WHEN RUNNING (-) OUTPUT

DATA MODE

WHEN USED IN DATA MODE, THE ADS-TBSL-VW1 AND ALCA MODULE MUST BE FLASHED FOR THE SAME INSTALLATION MODE/PROTOCOL

LEGEND

- - - NOT REQUIRED IN DATA MODE (1-WAY)
- NOT REQUIRED IN DATA MODE (2-WAY)

USE DATA MODE OR HARDWARE MODE

DATA MODE

GWR (-) INPUT - BLUE/WHITE

EMPTY

GROUND - BLACK

12V (+) - RED

DATA MODE

PINK - IGNITION (+) INPUT

YELLOW - IMMOBILIZER DATA

DATA MODE

GWR (-) INPUT - BLUE/WHITE

(NC) WHITE

GROUND - BLACK

12V (+) - RED

LOCK/ARM (-) INPUT - GREEN/BLACK

UNLOCK/DISARM (-) INPUT - BLUE/BLACK

TRUNK (-) INPUT - RED/WHITE

(NC) BROWN

(NC) PURPLE/YELLOW

(NC) PURPLE/BLACK

(NC) WHITE

STARTER (+) INPUT - BLACK/WHITE

E-BRAKE STATUS (-) OUTPUT - GREEN

TACH (AC) OUTPUT - PURPLE/WHITE

WHITE/BLACK (NC)

WHITE/RED (NC)

WHITE (NC)

YELLOW/BLACK - DOOR STATUS (-) OUTPUT

YELLOW/RED - TRUNK STATUS (-) OUTPUT

YELLOW - HOOD STATUS (-) OUTPUT

BROWN/RED - CANH

BROWN/YELLOW - CANL

ORANGE/BLACK (NC)

ORANGE/WHITE (NC)

ORANGE - BRAKE (+) OUTPUT

PINK/BLACK (NC)

PINK - IGNITION (+) INPUT

BLUE/RED (NC)

BLUE/YELLOW (NC)

GREEN/RED (NC)

GREEN/YELLOW (NC)

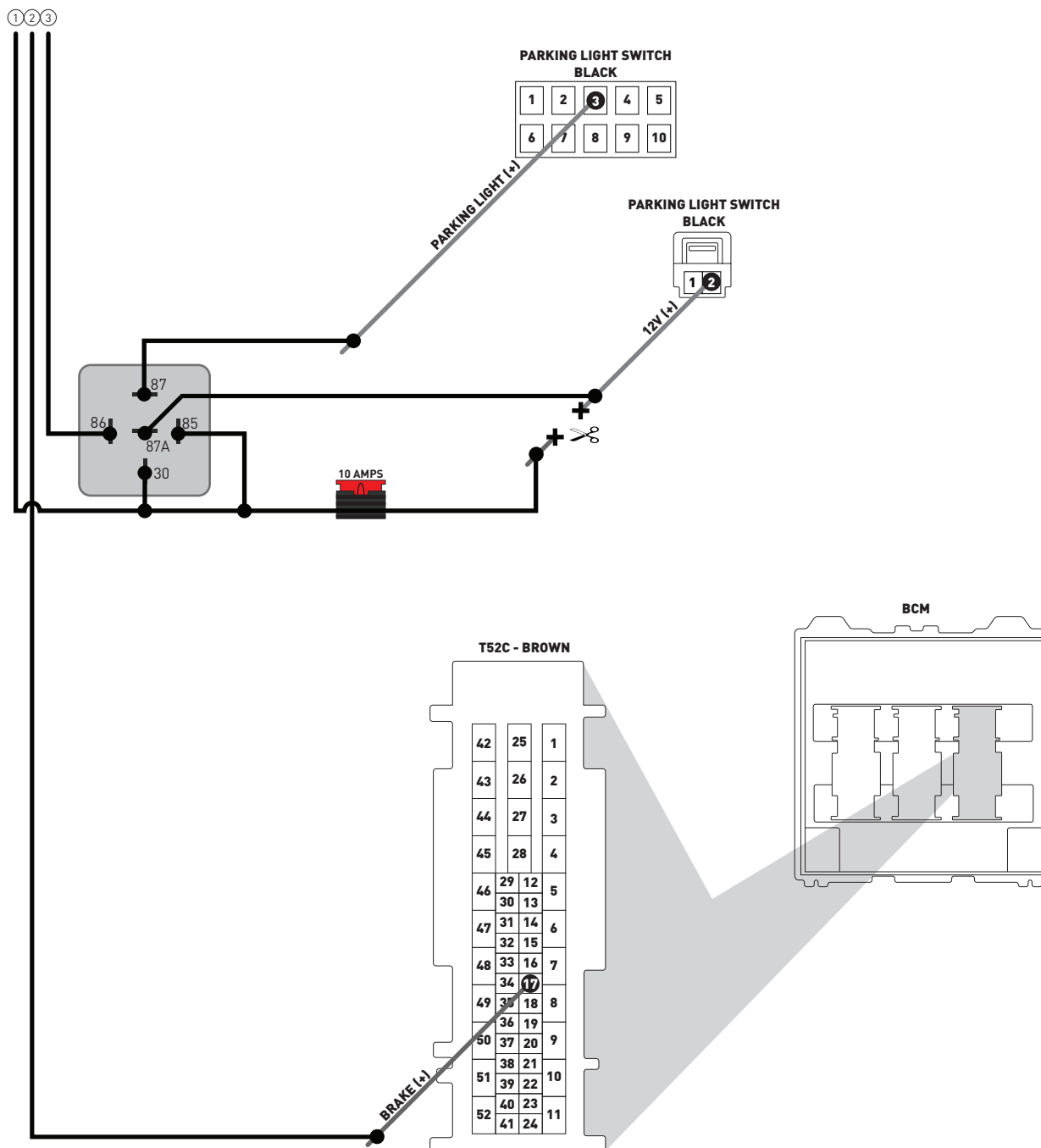
GRAY/RED (NC)

GRAY/YELLOW (NC)

iDataLink

1 2 3

TYPE 6+ ADS-TBSL-VW1 - WIRING DIAGRAM - 2 OF 2

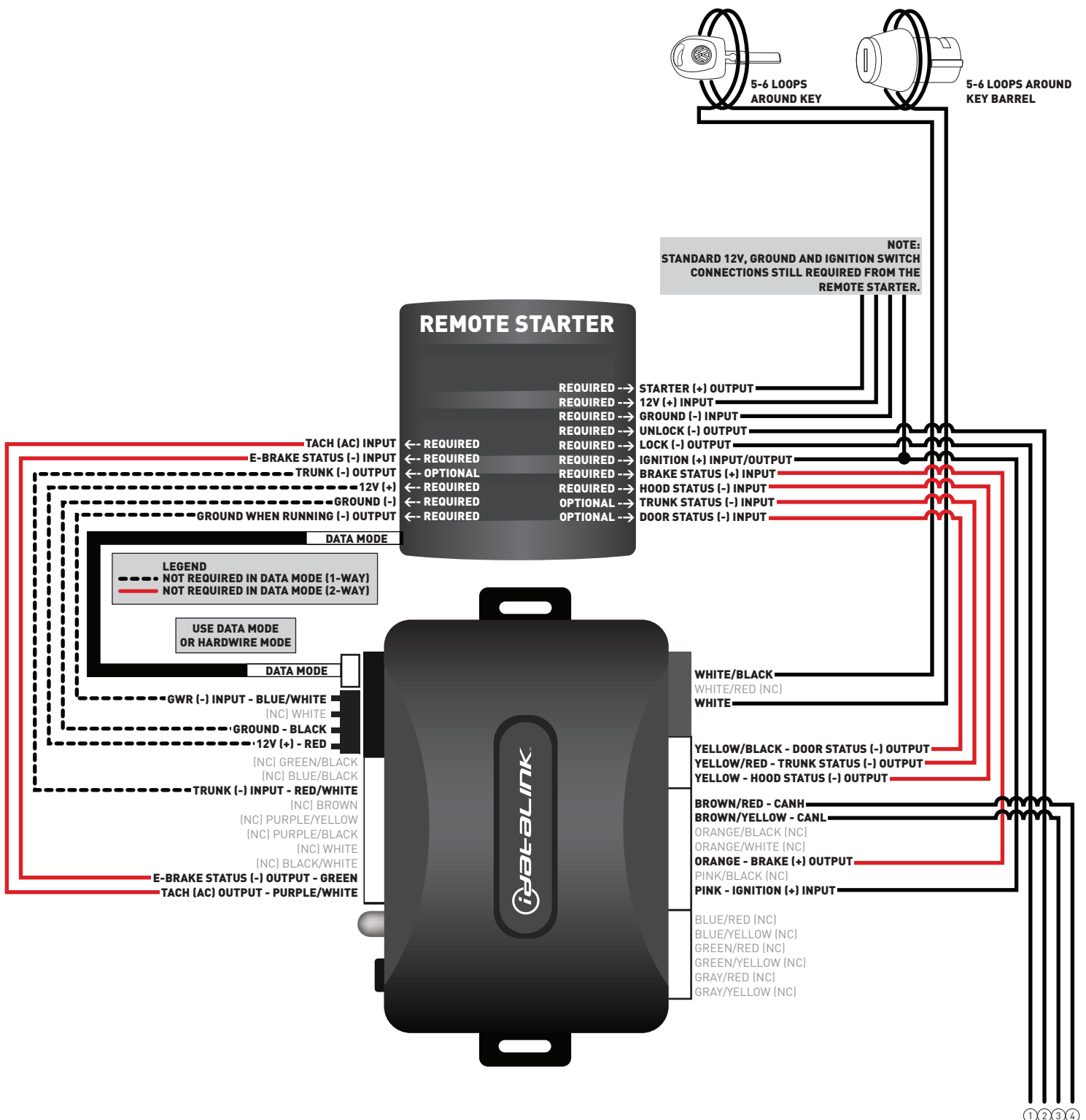


TYPE 7 - WIRE CROSS REFERENCE CHART

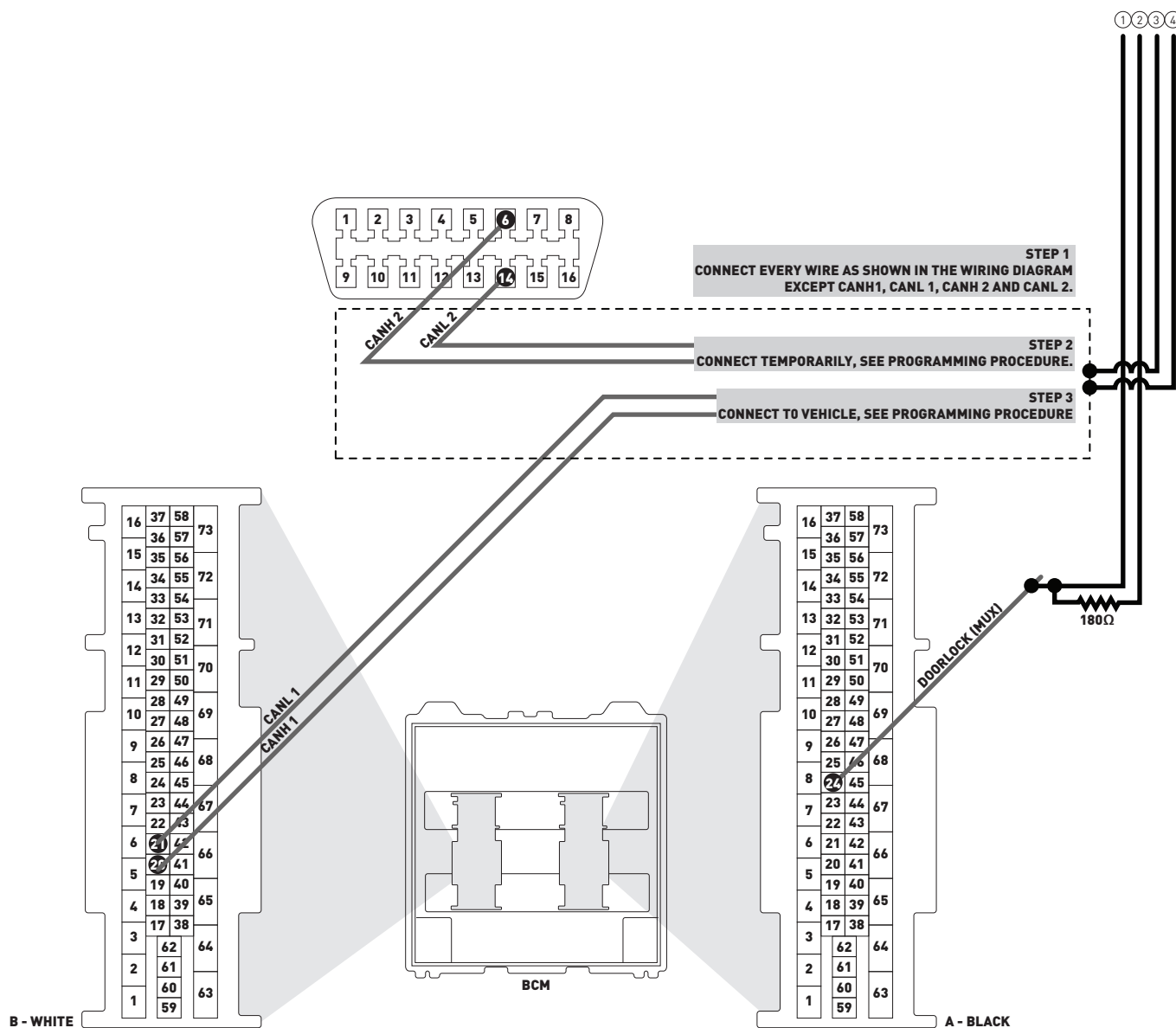
MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
VOLKSWAGEN	Beetle STD key	17-18	CanH 1	B	White	73 pin	20	Orange/Green	(DATA)	BCM	~
			CanL 1	B	White	73 pin	21	Orange/Brown	(DATA)	BCM	~
			CanH 2	OBDII	Black	16 pin	06	Orange/Black	(DATA)	OBDII connector	~
			CanL 2	OBDII	Black	16 pin	14	Orange/Brown	(DATA)	OBDII connector	~
			Doorlock	A	Black	73 pin	24	Blue/Red	(MUX)	BCM	~
	Jetta (2 plug BCM) STD key	17-18	CanH 1	B	White	73 pin	20	Orange/Green	(DATA)	BCM	~
			CanL 1	B	White	73 pin	21	Orange/Brown	(DATA)	BCM	~
			CanH 2	OBDII	Black	16 pin	06	Orange/Black	(DATA)	OBDII connector	~
			CanL 2	OBDII	Black	16 pin	14	Orange/Brown	(DATA)	OBDII connector	~
			Doorlock	A	Black	73 pin	24	Blue/Red	(MUX)	BCM	~

TYPE 7 - WIRING DIAGRAM - 1 OF 2

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.



TYPE 7 - WIRING DIAGRAM - 2 OF 2

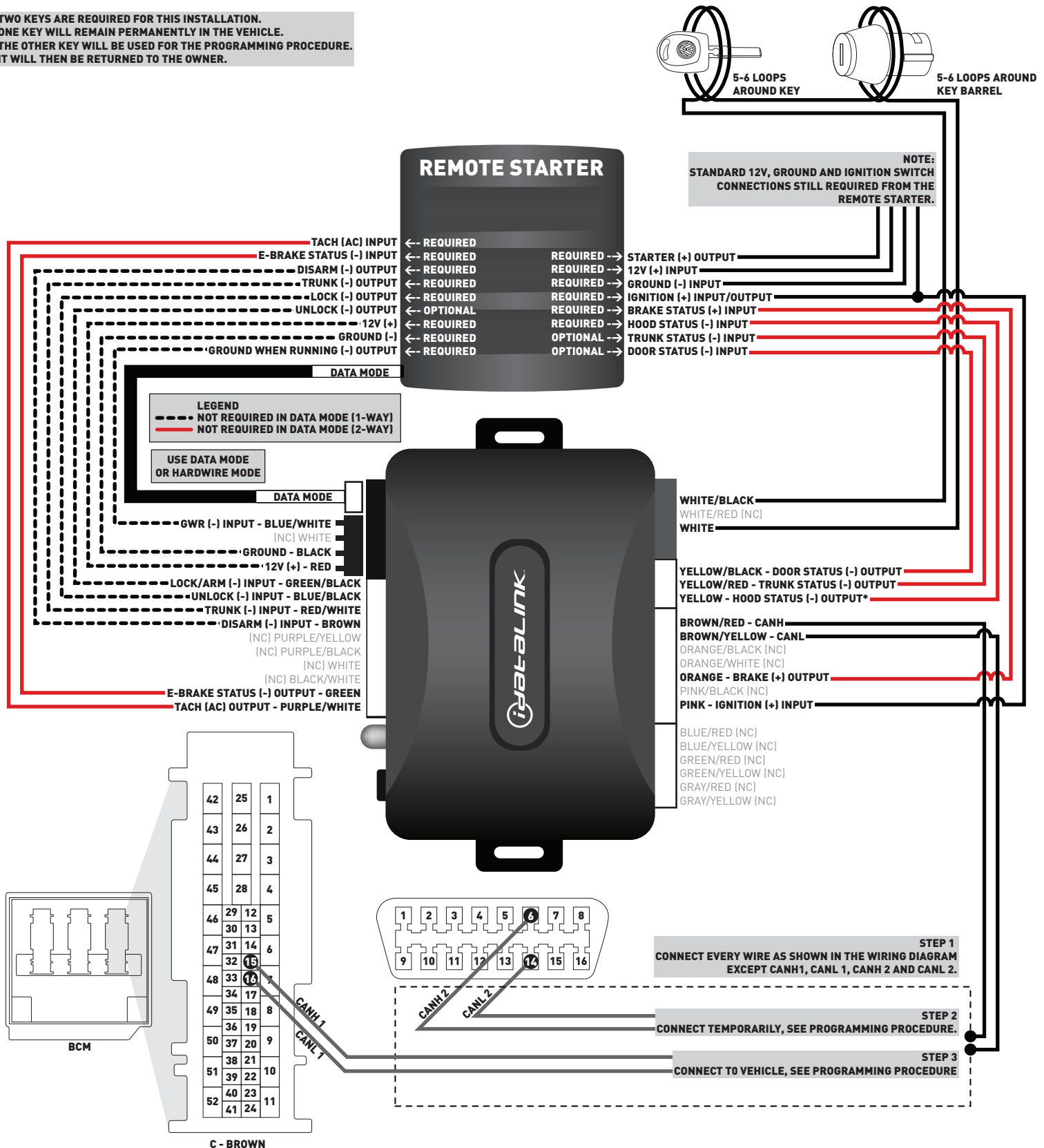


TYPE 8 - WIRE CROSS REFERENCE CHART

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
VOLKSWAGEN	GLI STD key	17-18	CanH 1	C	Brown	52 pin	15	Orange/Green	[DATA]	BCM	~
			CanL 1	C	Brown	52 pin	16	Orange/Brown	[DATA]	BCM	~
			CanH 2	OBDII	Black	16 pin	06	Orange/Black	[DATA]	OBDII connector	~
			CanL 2	OBDII	Black	16 pin	14	Orange/Brown	[DATA]	OBDII connector	~
	Jetta (3 plug BCM) STD key	17-18	CanH 1	C	Brown	52 pin	15	Orange/Green	[DATA]	BCM	~
			CanL 1	C	Brown	52 pin	16	Orange/Brown	[DATA]	BCM	~
			CanH 2	OBDII	Black	16 pin	06	Orange/Black	[DATA]	OBDII connector	~
			CanL 2	OBDII	Black	16 pin	14	Orange/Brown	[DATA]	OBDII connector	~
	Passat STD key	17-18	CanH 1	C	Brown	52 pin	15	Orange/LtGreen	[DATA]	BCM	~
			CanL 1	C	Brown	52 pin	16	Orange/Brown	[DATA]	BCM	~
			CanH 2	OBDII	Black	16 pin	06	Orange/Black	[DATA]	OBDII connector	~
			CanL 2	OBDII	Black	16 pin	14	Orange/Brown	[DATA]	OBDII connector	~
	Tiguan STD key	17	CanH 1	C	Brown	52 pin	15	Orange/LtGreen	[DATA]	BCM	~
			CanL 1	C	Brown	52 pin	16	Orange/Brown	[DATA]	BCM	~
			CanH 2	OBDII	Black	16 pin	06	Orange/Black	[DATA]	OBDII connector	~
			CanL 2	OBDII	Black	16 pin	14	Orange/Brown	[DATA]	OBDII connector	~

TYPE 8 - WIRING DIAGRAM - 1 OF 1

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.

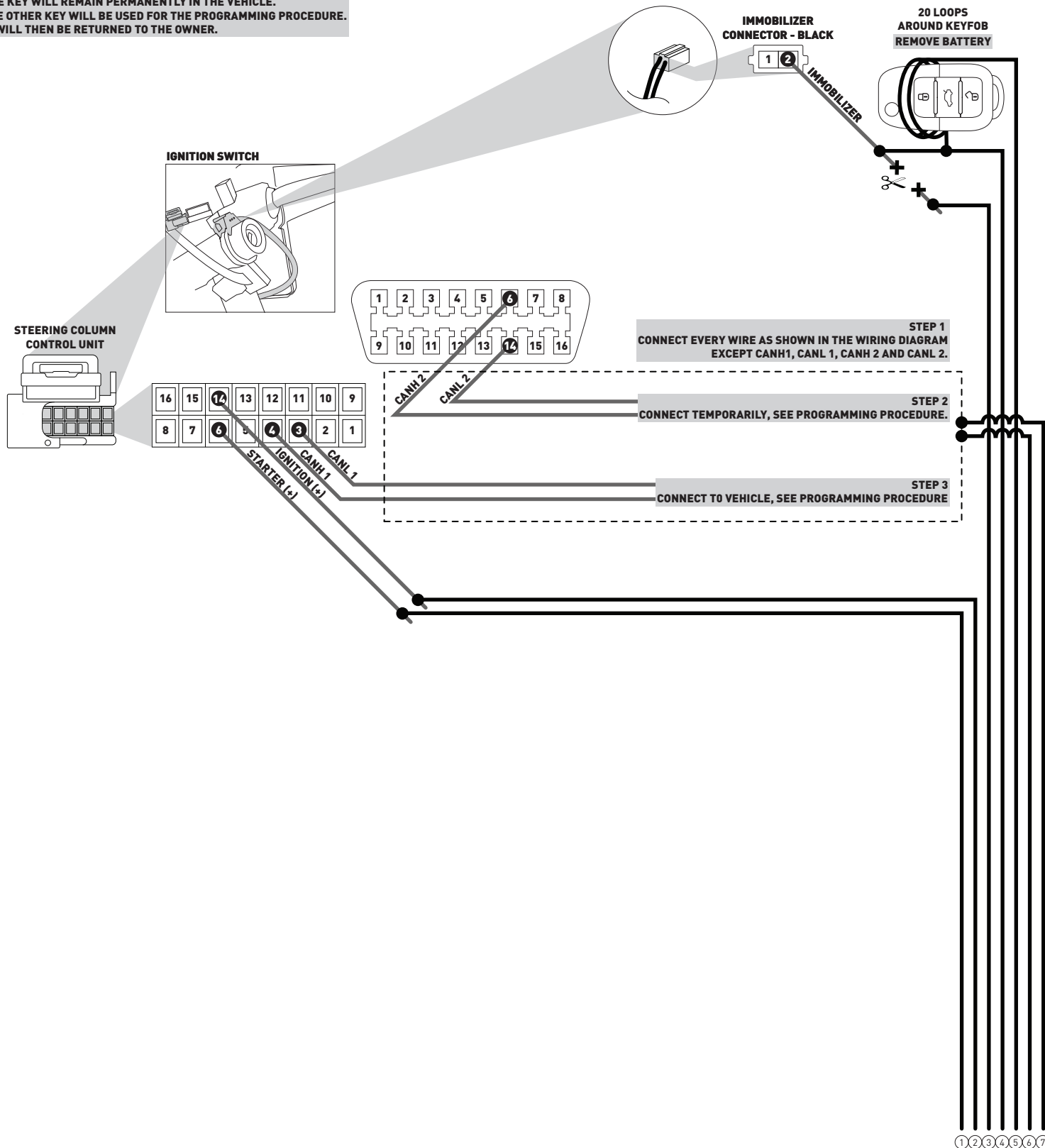


TYPE 9 - WIRE CROSS REFERENCE CHART

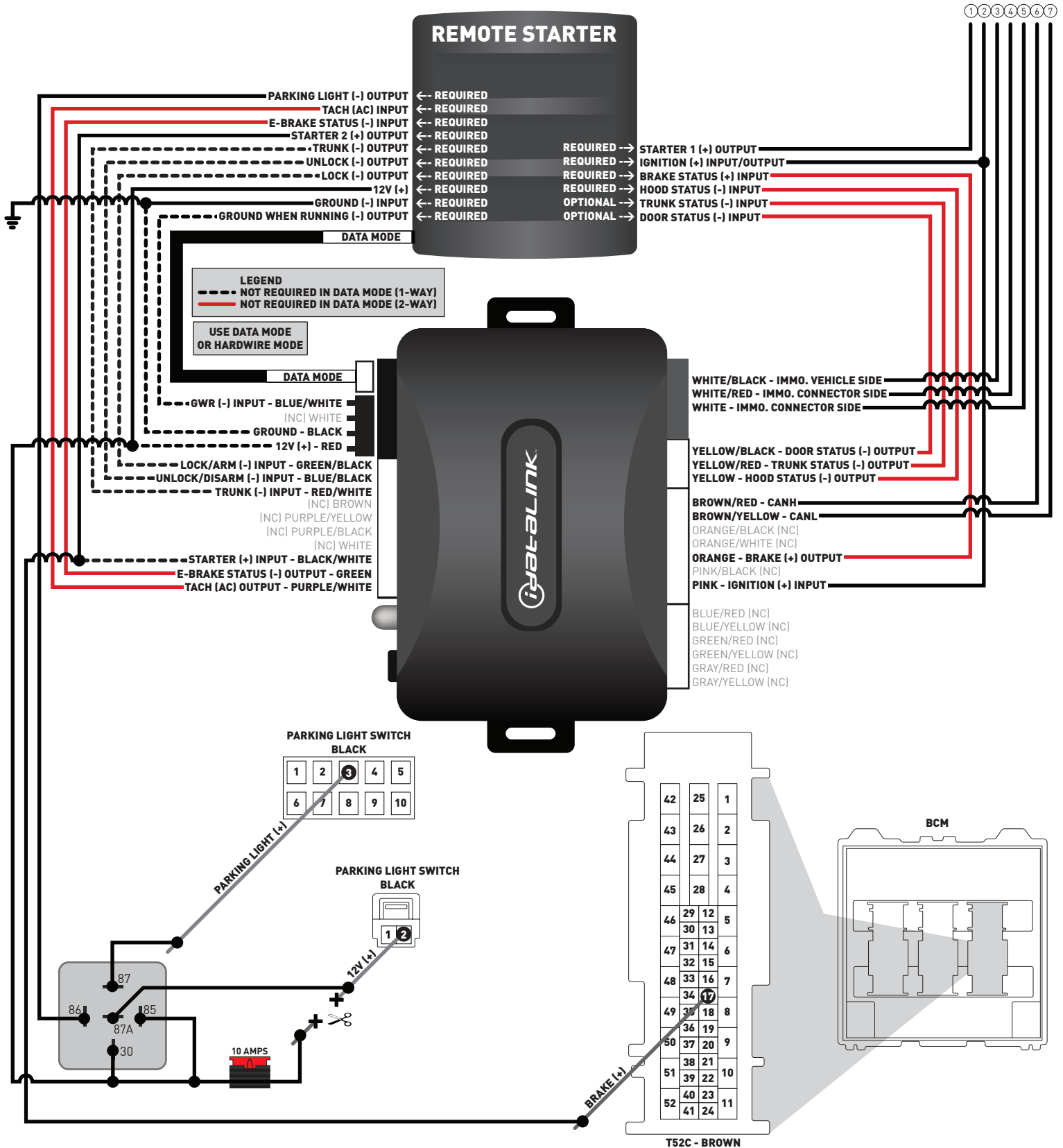
MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
AUDI	Q3 STD key AT	17-18	CanH 1	~	Black	16 pin	04	Orange/Green	(DATA)	Steering column control unit	~
			CanL 1	~	Black	16 pin	03	Orange/Brown	(DATA)	Steering column control unit	~
			CanH 2	OBDII	Black	16 pin	06	Orange/Red	(DATA)	OBDII connector	~
			CanL 2	OBDII	Black	16 pin	14	Orange/Brown	(DATA)	OBDII connector	~
			Ignition	~	Black	16 pin	14	Black	(+)	Steering column control unit	~
			Brake	T52C	Brown	73 pin	17	Black/Red	(+)	BCM	~
			Starter	~	Black	16 pin	06	Red/Black or Red/Brown	(-)	Steering column control unit	~
			12V	~	Black	02 pin	02	Red/Yellow	(+)	Parking light switch	~
			Parking Light	~	Black	10 pin	03	White/Black	(+)	Parking light switch	~
			Immobilizer	~	Black	02 pin	02	Brown or Green	(DATA)	Immobilizer	~

TYPE 9 - WIRING DIAGRAM - 1 OF 2

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.



TYPE 9 - WIRING DIAGRAM - 2 OF 2

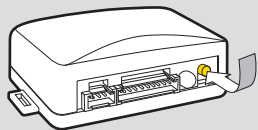


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INSTALLATION MODE SELECTION

1



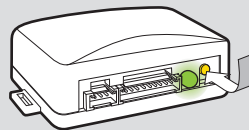
Press and release programming button to select installation mode.



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.

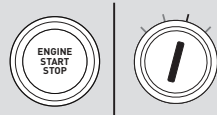


After registration, follow Factory Reset Procedure to change installation mode and restart this procedure.

TYPE 1 TO 6 - MODULE PROGRAMMING PROCEDURE

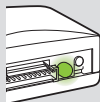
1

OFF ACC **ON** START



Set ignition to ON position.

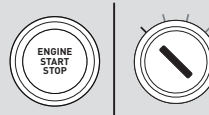
2



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

3

OFF ACC ON START



Set ignition to OFF position.

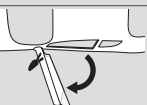
4

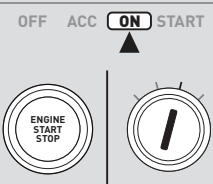
Module Programming Procedure completed.

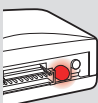
TYPE 7 TO 9 - MODULE PROGRAMMING PROCEDURE

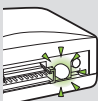
1  CONNECT every wire shown in STEP 1 and STEP 2 of the wiring diagram.

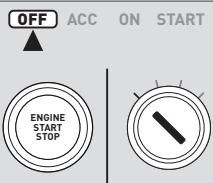
2  Press Unlock on OEM remote.

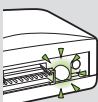
3  Open driver door. Leave it open during entire programming procedure.

4  Set ignition to ON position.

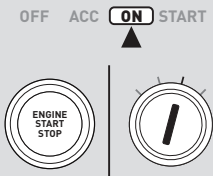
5  Wait, LED 1 will turn solid RED.

6  Wait, LED 1 will flash GREEN rapidly.

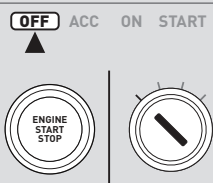
7  Set ignition to OFF position.

8  Wait, LED 1 will flash GREEN rapidly.

9  DISCONNECT every wire shown in STEP 2 and CONNECT every wire shown in STEP 3 of the wiring diagram.

10  Set ignition to ON position.

11  Wait, LED 1 will turn solid GREEN for **2 seconds**.

12  Set ignition to OFF position.

13 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
B	1981	M	1991	1	2001	B	2011
C	1982	N	1992	2	2002	C	2012
D	1983	P	1993	3	2003	D	2013
E	1984	R	1994	4	2004	E	2014
F	1985	S	1995	5	2005	F	2015
G	1986	T	1996	6	2006	G	2016
H	1987	V	1997	7	2007	H	2017
J	1988	W	1998	8	2008	J	2018
K	1989	X	1999	9	2009	K	2019

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.
 - Repeat programming procedure.
- !** Failure to follow procedure may result with a DTC or a CHECK ENGINE error message.