



idataLink COM-BLADE-AL Universal All-in-One Data Bypass and Interface Cartridge Installation Guide

[Home](#) » [idataLink](#) » idataLink COM-BLADE-AL Universal All-in-One Data Bypass and Interface Cartridge Installation Guide 

Contents

- [1 idataLink COM-BLADE-AL Universal All-in-One Data Bypass and Interface Cartridge](#)
- [2 TERMS OF USE](#)
- [3 INSTALL TYPE SELECTION](#)
- [4 TYPE 1 – WIRE CROSS REFERENCE CHART – 1 OF 1](#)
- [5 TYPE 2 – WIRE CROSS REFERENCE CHART – 1 OF 1](#)
- [6 TYPE 3 – WIRE CROSS REFERENCE CHART – 1 OF 1](#)
- [7 TYPE 4 – WIRE CROSS REFERENCE CHART – 1 OF 1](#)
- [8 TYPE 5 – WIRE CROSS REFERENCE CHART – 1 OF 1](#)
- [9 CARTRIDGE INSTALLATION](#)
- [10 MODULE PROGRAMMING PROCEDURE – WITH KLON](#)
- [11 IDENTIFY VEHICLE YEAR](#)
- [12 MODULE DIAGNOSTICS](#)
- [13 FACTORY RESET PROCEDURE](#)
- [14 Documents / Resources](#)
- [15 Related Posts](#)



idataLink COM-BLADE-AL Universal All-in-One Data Bypass and Interface Cartridge



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 improper installation of this product, be that either damage to the vehicle itself or to the installed to any consequential damages

INSTALL TYPE SELECTION

[illegible]

[illegible]

SUBARU	Legacy STD key	18 -1 9	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Outback STD key	10 -1 4	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Outback STD key	15 -1 7	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	Outback STD key	18 -1 9	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	WRX STD key	15 -2 0	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	WRX STi STD key	15 -2 0	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	XV Crosstrek STD key	13 -1 7	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
TOYOTA	86 STD key	17 -2 0	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

This feature will lock the vehicle's doors twice on RS shutdown. To turn it off, deactivate the RAP shutdown.

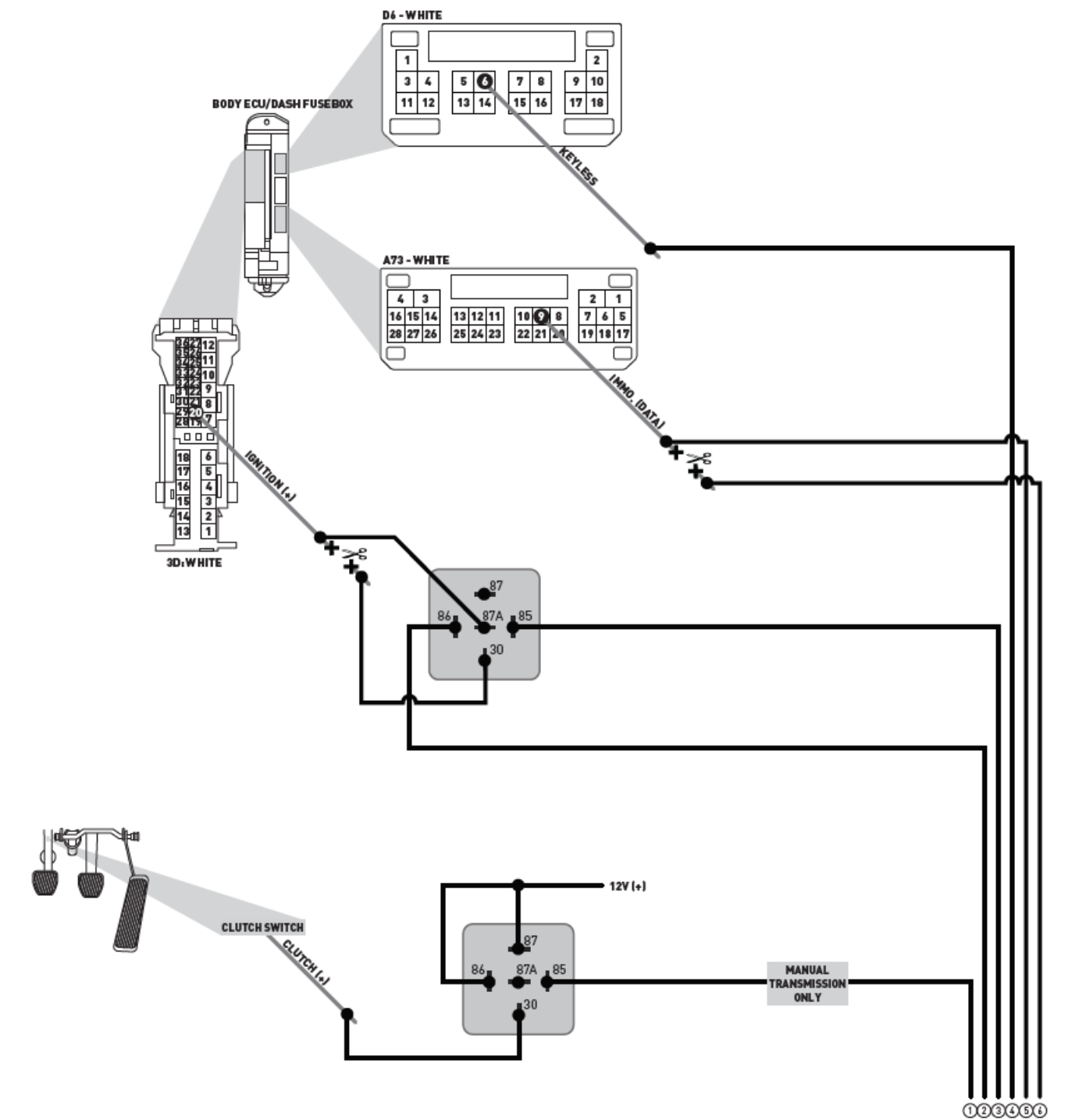
TYPE 1 – WIRE CROSS REFERENCE CHART – 1 OF 1

MAK	Model	Year	Wire Description	Connector Name	Connector Color	Connectivity Type	Position	Wire Color	Polarity	Module Location	Component Location
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S C i o n	FR-S STD key	13 -1 6	Ignition	3D	Whit e	36 pin	2 0	Yellow	(+)	Dash fuse box, driver side	~
			CanH	~	~	16 pin	0 6	Black/Yello w	(DA TA)	OBDII connector	~
			CanL	~	~	16 pin	1 4	LtGreen	(DA TA)	OBDII connector	~
			Immo Dat a	A73	Whit e	28 pin	0 9	Yellow	(DA TA)	BCM	~
			Clutch	~	Whit e	02 pin	0 2	Yellow/Pink	(+)	Clutch switch	~
			Keyless D ata	D6	Whit e	18 pin	0 6	Purple	(DA TA)	BECU, next to dash fuse b ox	~
S U B A R U	BRZ STD key	13 -2 0	Ignition	3D	Whit e	36 pin	2 0	Yellow	(+)	Dash fuse box, driver side	~
			CanH	~	~	16 pin	0 6	Black/Yello w	(DA TA)	OBDII connector	~
			CanL	~	~	16 pin	1 4	LtGreen	(DA TA)	OBDII connector	~
			Immo Dat a	A73	Whit e	28 pin	0 9	Yellow	(DA TA)	BCM	~
			Clutch	~	Whit e	02 pin	0 2	Yellow/Pink	(+)	Clutch switch	~
			Keyless D ata	D6	Whit e	18 pin	0 6	Purple	(DA TA)	BECU, next to dash fuse b ox	~
T O Y O T A	86 STD key	17 -2 0	Ignition	3D	Whit e	36 pin	2 0	Yellow	(+)	Dash fuse box, driver side	~
			CanH	~	~	16 pin	0 6	Black/Yello w	(DA TA)	OBDII connector	~
			CanL	~	~	16 pin	1 4	LtGreen	(DA TA)	OBDII connector	~
			Immo Dat a	A73	Whit e	28 pin	0 9	Yellow	(DA TA)	BCM	~

			Clutch	~	White	02 pin	02	Yellow/Pink	(+)	Clutch switch	~
			Keyless Data	D6	White	18 pin	06	Purple	(DATA)	BECU, next to dash fuse box	~

TYPE 1 – WIRING DIAGRAM – 1 OF 2



TYPE 1 – WIRING DIAGRAM – 2 OF 2

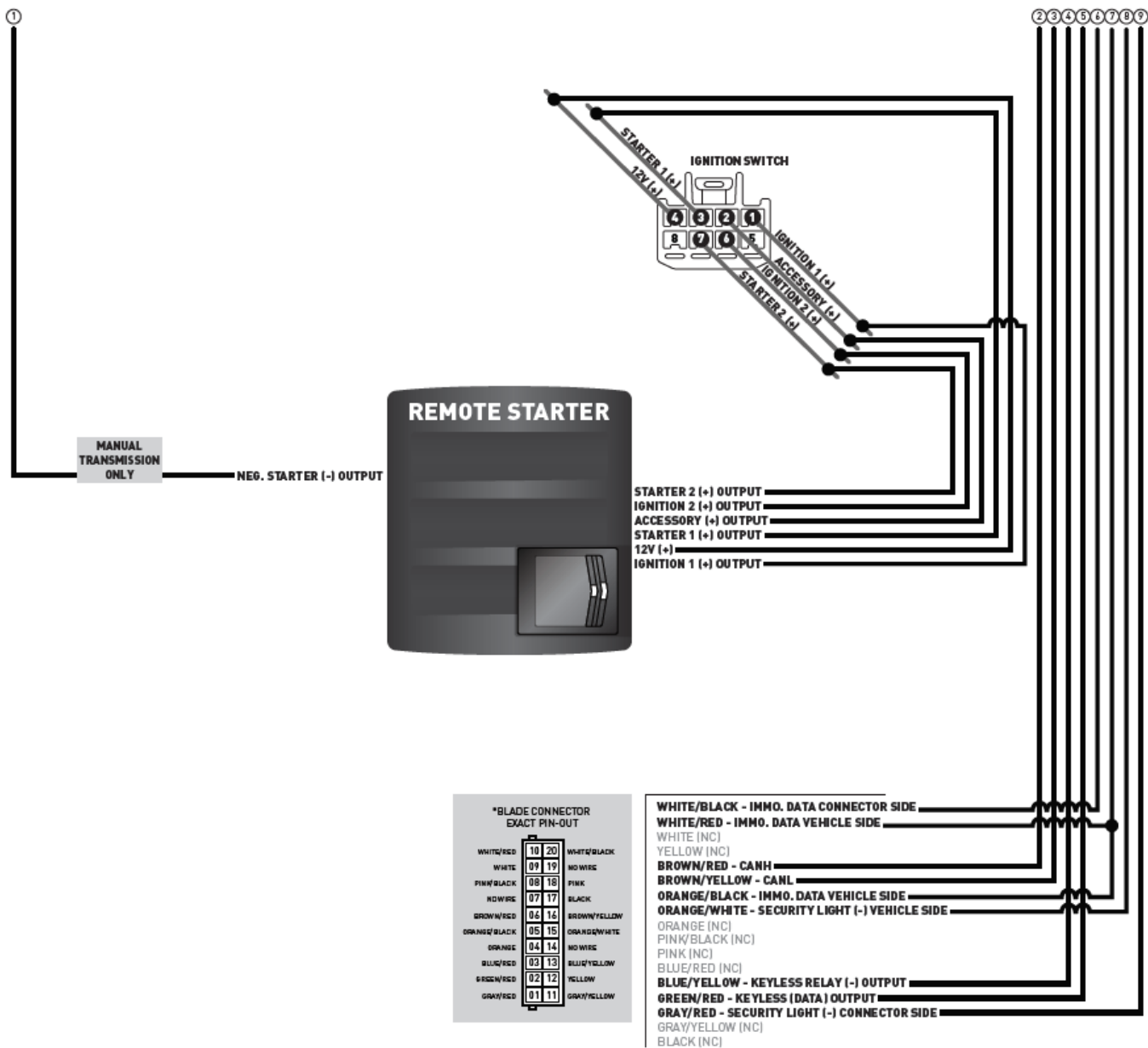
Forester STD key	14	Keyless	D: 11 71	White	31 pin	1 1	Green	(DA TA)	BCM behind fusebox	~
		CanH	B	White	35 pin	2 0	Red	(DA TA)	BCM behind fusebox	~
		CanL	B	White	35 pin	2 8	Blue	(DA TA)	BCM behind fusebox	~
		Clutch	~	White	02 pin	0 2	Pink	(+)	Clutch switch	~
		Immo Data	A : B 280	White	34 pin	3 1	Red/Green	(DA TA)	BCM behind fusebox	~
		Security Light	D: 11 71	White	31 pin	2 6	Brown/Red	(DA TA)	BCM behind fusebox	~
Forester STD key	15 -1 8	Keyless	D: 11 71	White	31 pin	1 1	Red or Green	(DA TA)	BCM behind fusebox	~
		CanH	B	White	35 pin	2 0	Red	(DA TA)	BCM behind fusebox	~
		CanL	B	White	35 pin	2 8	Blue	(DA TA)	BCM behind fusebox	~
		Clutch	~	White	02 pin	0 2	Purple/Green	(+)	Clutch switch	~
		Immo Data	A : B 280	White	34 pin	3 1	Red/Yellow	(DA TA)	BCM behind fusebox	~
		Security Light	D: 11 71	White	31 pin	2 6	Brown/Red	(DA TA)	BCM behind fusebox	~
Impreza STD key	12 -1 6	Keyless	D: 11 71	White	31 pin	1 1	Red	(DA TA)	BCM behind fusebox	~
		CanH	B	White	35 pin	2 0	Red	(DA TA)	BCM behind fusebox	~
		CanL	B	White	35 pin	2 8	Blue	(DA TA)	BCM behind fusebox	~
		Clutch	~	White	02 pin	0 2	LtGreen	(+)	Clutch switch	~

**S
U
B
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U**

		Immo Data	A : B 280	White	34 pin	3 1	White/LtBlue	(DATA)	BCM behind fusebox	~
		Security Light	D: I1 71	White	31 pin	2 6	Brown/Red	(DATA)	BCM behind fusebox	~
WRX STD key	15 -2 0	Keyless	D: I1 71	White	31 pin	1 1	Red	(DATA)	BCM behind fusebox	~
		CanH	B	White	35 pin	2 0	Red	(DATA)	BCM behind fusebox	~
		CanL	B	White	35 pin	2 8	Blue	(DATA)	BCM behind fusebox	~
		Clutch	~	White	02 pin	0 2	LtGreen	(+)	Clutch switch	~
		Immo Data	A : B 280	White	34 pin	3 1	White/LtBlue	(DATA)	BCM behind fusebox	~
		Security Light	D: I1 71	White	31 pin	2 6	Brown/Red	(DATA)	BCM behind fusebox	~
WRX ST i STD key	15 -1 7	Keyless	D: I1 71	White	31 pin	1 1	Red	(DATA)	BCM behind fusebox	~
		CanH	B	White	35 pin	2 0	Red	(DATA)	BCM behind fusebox	~
		CanL	B	White	35 pin	2 8	Blue	(DATA)	BCM behind fusebox	~
		Clutch	~	White	02 pin	0 2	LtGreen	(+)	Clutch switch	~
		Immo Data	A : B 280	White	34 pin	3 1	White/LtBlue	(DATA)	BCM behind fusebox	~
		Security Light	D: I1 71	White	31 pin	2 6	Brown/Red	(DATA)	BCM behind fusebox	~
		Keyless	D: I1 71	White	31 pin	1 1	Red	(DATA)	BCM behind fusebox	~
		CanH	B	White	35 pin	2 0	Red	(DATA)	BCM behind fusebox	~

	WRX ST i STD key	18 -2 0	CanL	B	White	35 pin	2 8	Blue	(DA TA)	BCM behind fusebox	~
			Clutch	~	White	02 pin	0 2	LtGreen	(+)	Clutch switch	~
			Immo Data	A : B 280	White	34 pin	3 1	White	(DA TA)	BCM behind fusebox	~
			Security Light	D: I1 71	White	31 pin	2 6	Brown/Red	(DA TA)	BCM behind fusebox	~
	XV Cros strek STD key	13 -1 7	Keyless	D: I1 71	White	31 pin	1 1	Red	(DA TA)	BCM behind fusebox	~
			CanH	B	White	35 pin	2 0	Red	(DA TA)	BCM behind fusebox	~
			CanL	B	White	35 pin	2 8	Blue	(DA TA)	BCM behind fusebox	~
			Clutch	~	White	02 pin	0 2	LtGreen	(+)	Clutch switch	~
			Immo Data	A : B 280	White	34 pin	3 1	White/LtBlue	(DA TA)	BCM behind fusebox	~
			Security Light	D: I1 71	White	31 pin	2 6	Brown/Red	(DA TA)	BCM behind fusebox	~

TYPE 2 – WIRING DIAGRAM – 1 OF 2



TYPE 3 – WIRE CROSS REFERENCE CHART – 1 OF 1

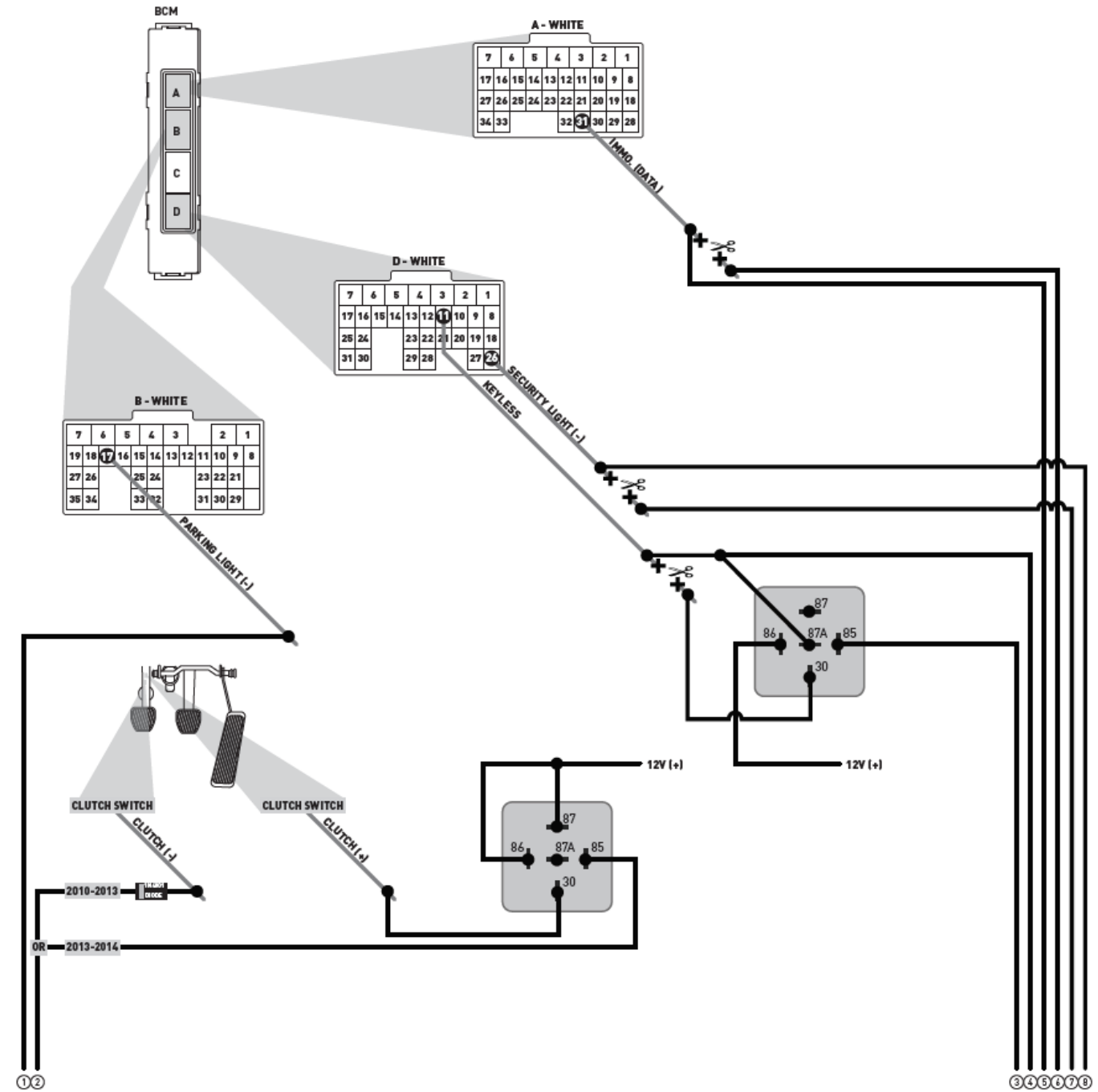
M A K e	M o D e l	Y e a r	W i R e D e S C R i P T i o n	C o n n e C T o R n A M e	C o n n e C T o R C o l o r	C o n n e C T o R T Y P e	P o S i T i o n	W i R e C o l o r	P o l A r i T Y	M o D U l e l o C A T i o n	C o M P o n e n T l o C A T o R
			CanH	~	~	16 pin	06	Red	(DATA)	OBDII connector	~

Legacy STD key	10 -1 2	CanL	~	~	16 pin	1 4	Blue	(DA TA)	OBDII connector	~
		Keyless	D: I1 71	White	31 pin	1 1	Yellow	(DA TA)	BCM right side of steering column	~
		Parking Li ghts	B	White	35 pin	1 7	Black/White	(-)	BCM right side of steering column	~
		Clutch	~	White	05 pin	0 2	Black/Blue	(-)	Clutch switch	~
		Immo Dat a	A : B 280	White	34 pin	3 1	White/LtBlue	(DA TA)	BCM right side of steering column	~
		Security L ight	D: I1 71	White	31 pin	2 6	Brown/Red	(DA TA)	BCM right side of steering column	~
	13 -1 4	CanH	~	~	16 pin	0 6	Red	(DA TA)	OBDII connector	~
		CanL	~	~	16 pin	1 4	Blue	(DA TA)	OBDII connector	~
		Keyless	D: I1 71	White	31 pin	1 1	Yellow	(DA TA)	BCM right side of steering column	~
		Parking Li ghts	B	White	35 pin	1 7	Black/White	(-)	BCM right side of steering column	~
		Clutch	~	White	05 pin	0 1	Black/Blue	(+)	Clutch switch	~
		Immo Dat a	A : B 280	White	34 pin	3 1	White/LtBlue	(DA TA)	BCM right side of steering column	~

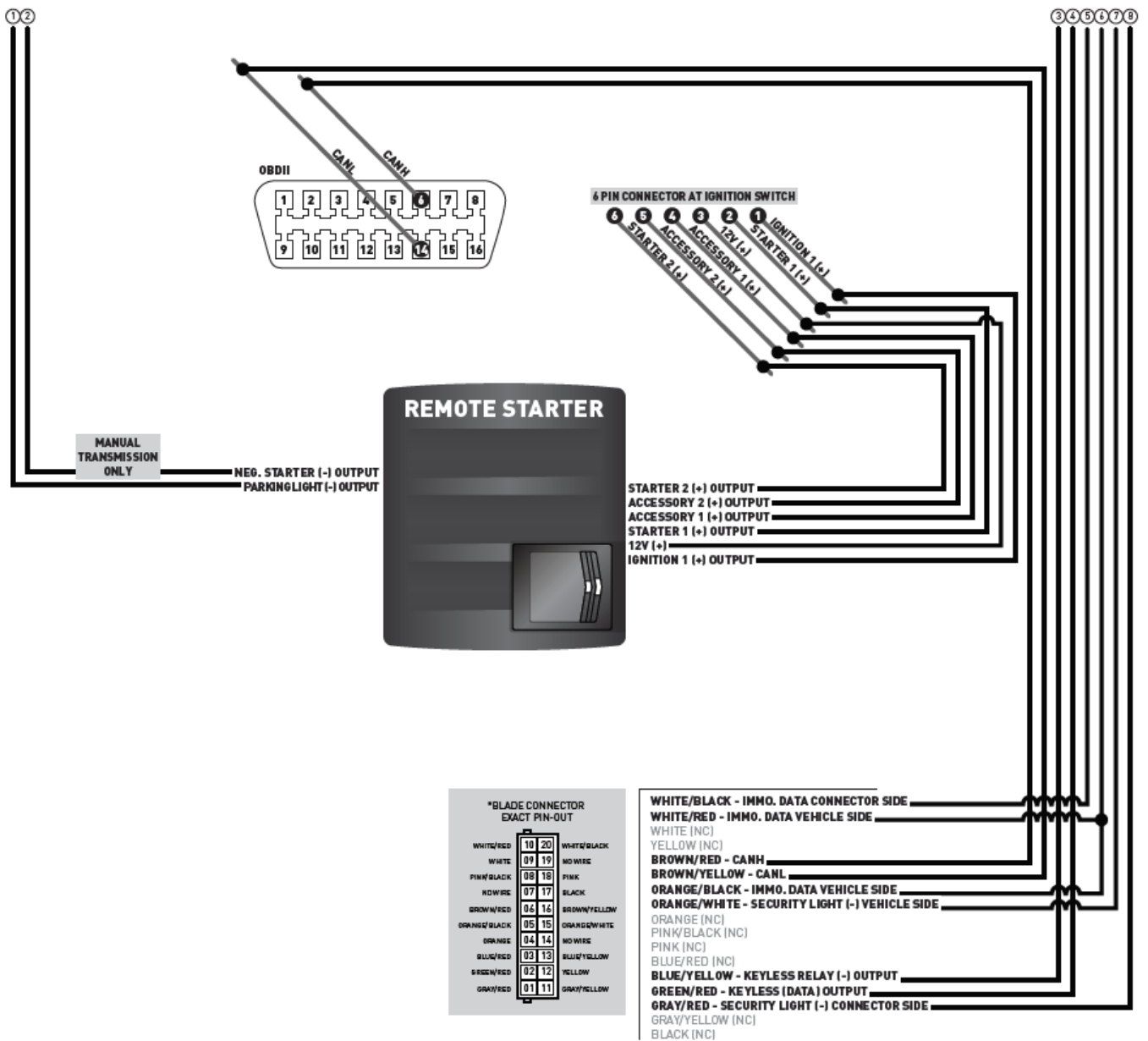
S U B A R U			Security Light	D: I171	White	31 pin	26	Brown/Red	(DATA)	BCM right side of steering column	~
	Outback STD key	10 -1 2	CanH	~	~	16 pin	06	Red	(DATA)	OBDII connector	~
			CanL	~	~	16 pin	14	Blue	(DATA)	OBDII connector	~
			Keyless	D: I171	White	31 pin	11	Yellow	(DATA)	BCM right side of steering column	~
			Parking Lights	B	White	35 pin	17	Black/White	(-)	BCM right side of steering column	~
			Clutch	~	White	05 pin	02	Black/Blue	(-)	Clutch switch	~
			Immo Data	A : B280	White	34 pin	31	White/LtBlue	(DATA)	BCM right side of steering column	~
			Security Light	D: I171	White	31 pin	26	Brown/Red	(DATA)	BCM right side of steering column	~
	Outback STD key	13 -1 4	CanH	~	~	16 pin	06	Red	(DATA)	OBDII connector	~
			CanL	~	~	16 pin	14	Blue	(DATA)	OBDII connector	~
			Keyless	D: I171	White	31 pin	11	Yellow	(DATA)	BCM right side of steering column	~
			Parking Lights	B	White	35 pin	17	Black/White	(-)	BCM right side of steering column	~

			Clutch	~	White	05 pin	0 1	Black/Blue	(+)	Clutch switch	~
			Immo Data	A : B 280	White	34 pin	3 1	White/LtBlue	(DA TA)	BCM right side of steering column	~
			Security Light	D: I1 71	White	31 pin	2 6	Brown/Red	(DA TA)	BCM right side of steering column	~

TYPE 3 – WIRING DIAGRAM – 1 OF 2



TYPE 3 – WIRING DIAGRAM – 2 OF 2



TYPE 4 – WIRE CROSS REFERENCE CHART – 1 OF 1

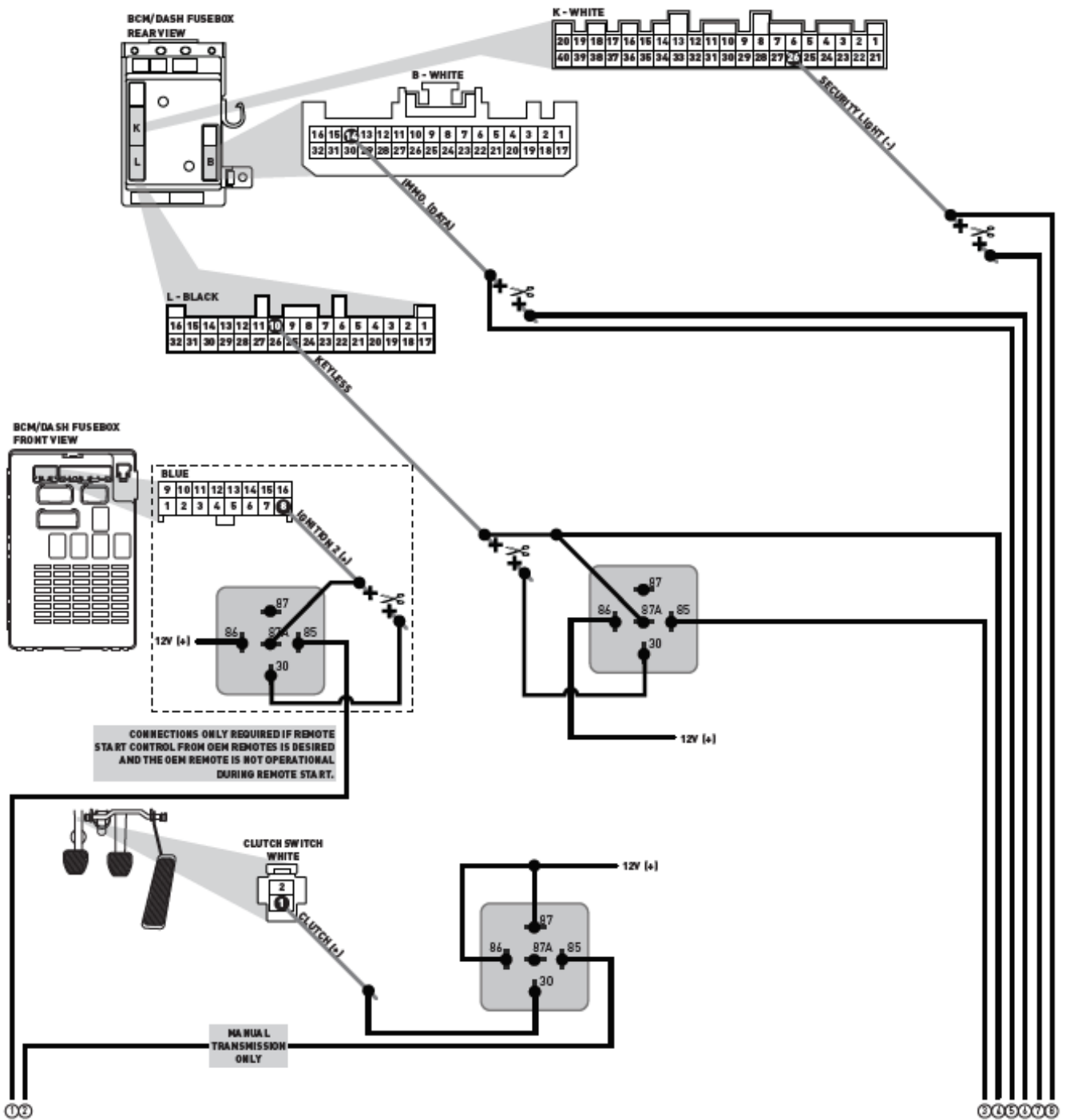
M A K e	MoD el	Ye A R	WiRe De SCRiPTio n	Con neC ToR nAM e	Con neC ToR Col oR	Co nn eC To R TY Pe	P O S i t i o n	WiRe Colo R	Pol ARi TY	MoDULe loCAtion	C o m P o n e n T l o C A T o R
---------	--------	--------	--------------------	-------------------	--------------------	---------------------	-----------------	-------------	------------	-----------------	---------------------------------

S U B A R U	Legacy STD key	15-17	Keyless	L: I81	Black	32 pin	10	Yellow/Green	(DATA)	BCM/Dash fuse box,driver side	~
			CanH	~	~	16 pin	06	Red	(DATA)	OBDII connector	~
			CanL	~	~	16 pin	14	Blue	(DATA)	OBDII connector	~
			Clutch	~	White	05 pin	01	Green/Black	(+)	Clutch switch	~
			Immo Data*	B: 281	White	32 pin	14	White/Blue	(DATA)	BCM/Dash fuse box,driver side	~
			Security Light	K: I171	White	40 pin	26	Brown/Yellow	(+)	BCM/Dash fuse box,driver side	~
			Ignition 2*	i5	Blue	16 pin	08	LtGreen/Yellow	(+)	BCM/Dash fuse box,driver side	~
	Outback STD key	15-17	Keyless	L: I81	Black	32 pin	10	Yellow/Green	(DATA)	BCM/Dash fuse box,driver side	~
			CanH	~	~	16 pin	06	Red	(DATA)	OBDII connector	~
			CanL	~	~	16 pin	14	Blue	(DATA)	OBDII connector	~
			Clutch	~	White	05 pin	01	Green/Black	(+)	Clutch switch	~
			Immo Data*	B: 281	White	32 pin	14	White/Blue	(DATA)	BCM/Dash fuse box,driver side	~
			Security Light	K: I171	White	40 pin	26	Brown/Yellow	(+)	BCM/Dash fuse box,driver side	~
			Ignition 2*	i5	Blue	16 pin	08	LtGreen/Yellow	(+)	BCM/Dash fuse box,driver side	~

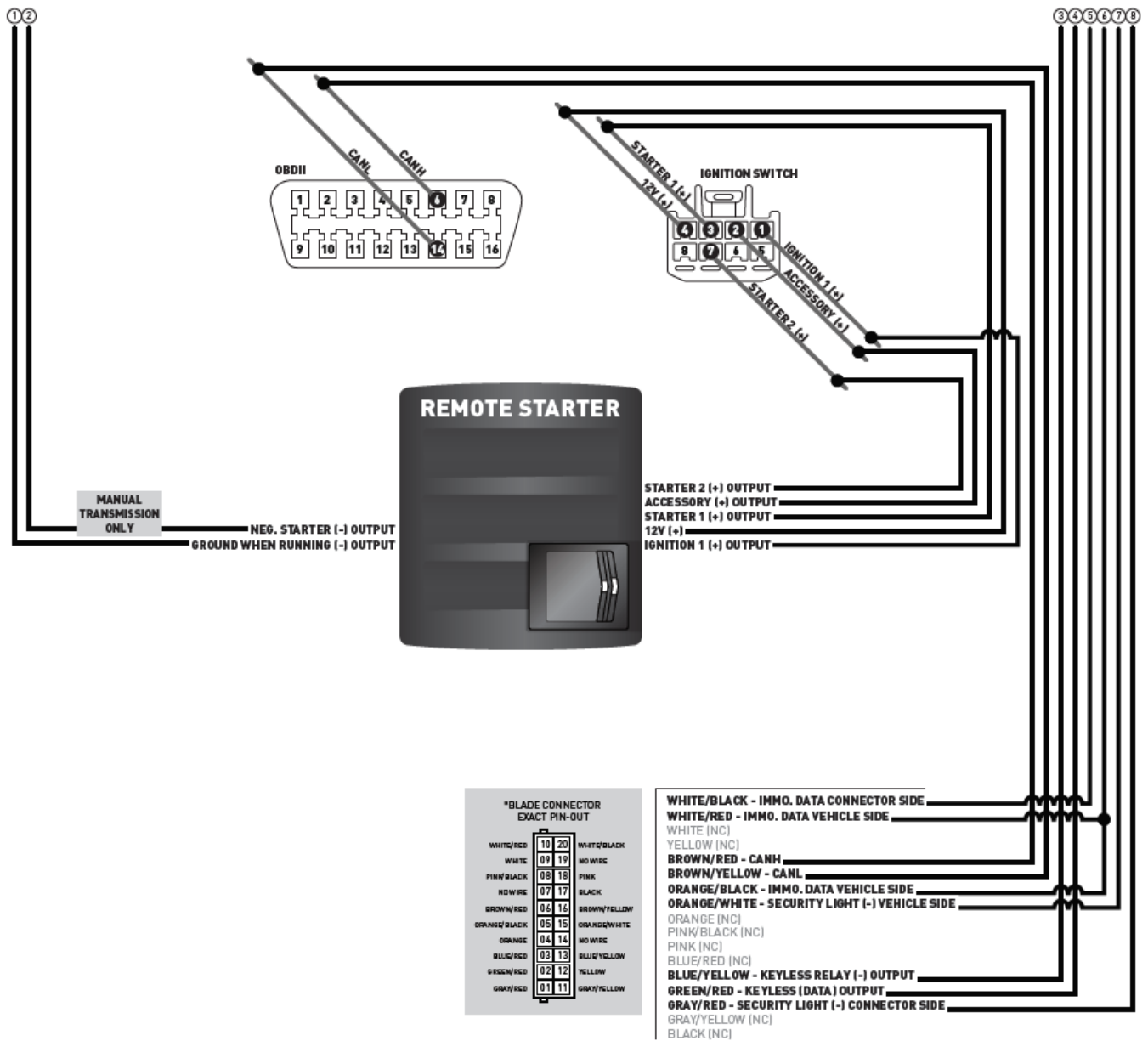
*If this wire is not present, use this alternate location: under the hood, passenger side ECU, 65 pin connector,

position 38, same wire color. **Connection only required if remote start control from oem remotes is desired and the oem remote is not operational during remote start.

TYPE 4 – WIRING DIAGRAM – 1 OF 2



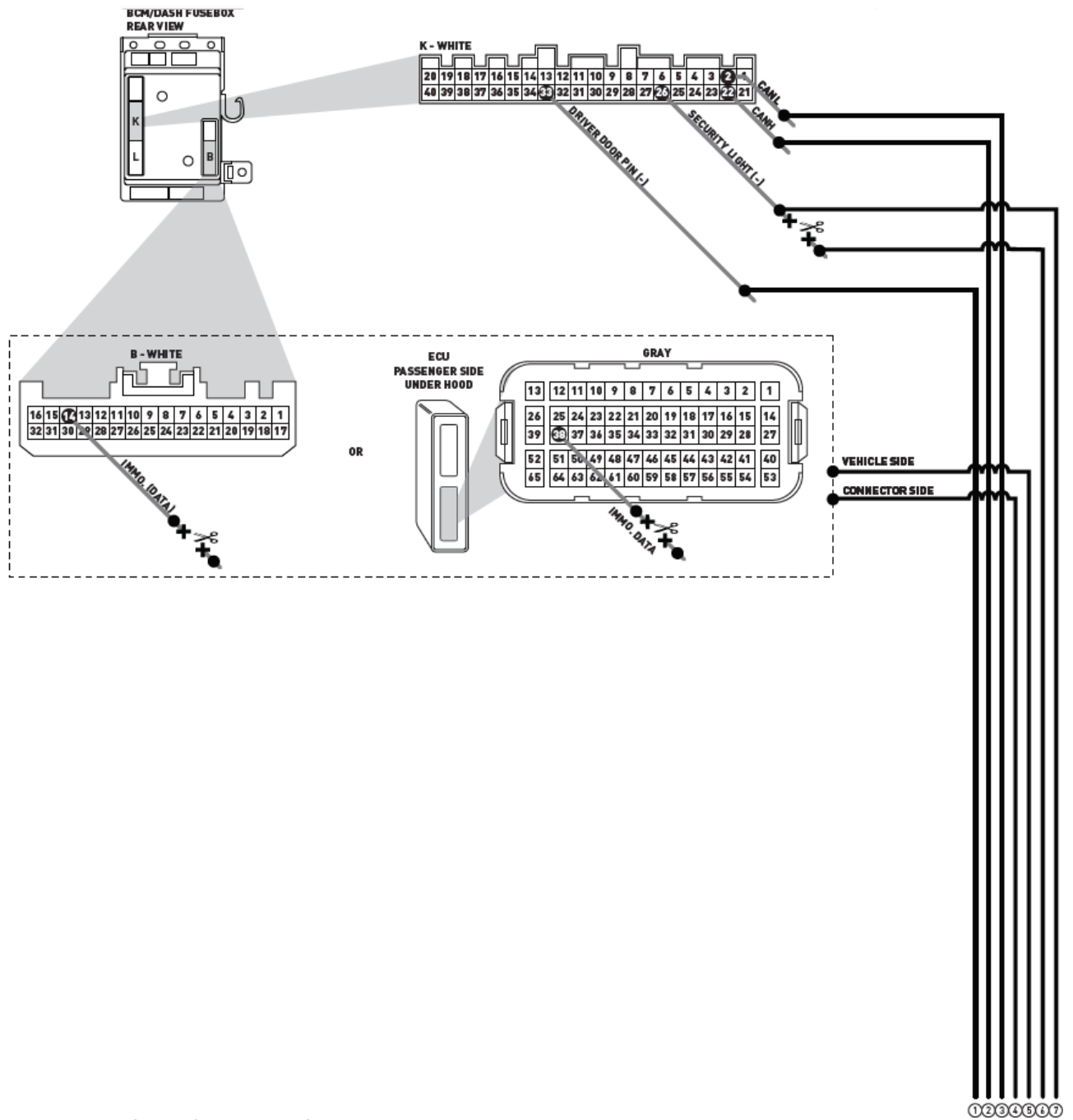
TYPE 4 – WIRING DIAGRAM – 2 OF 2



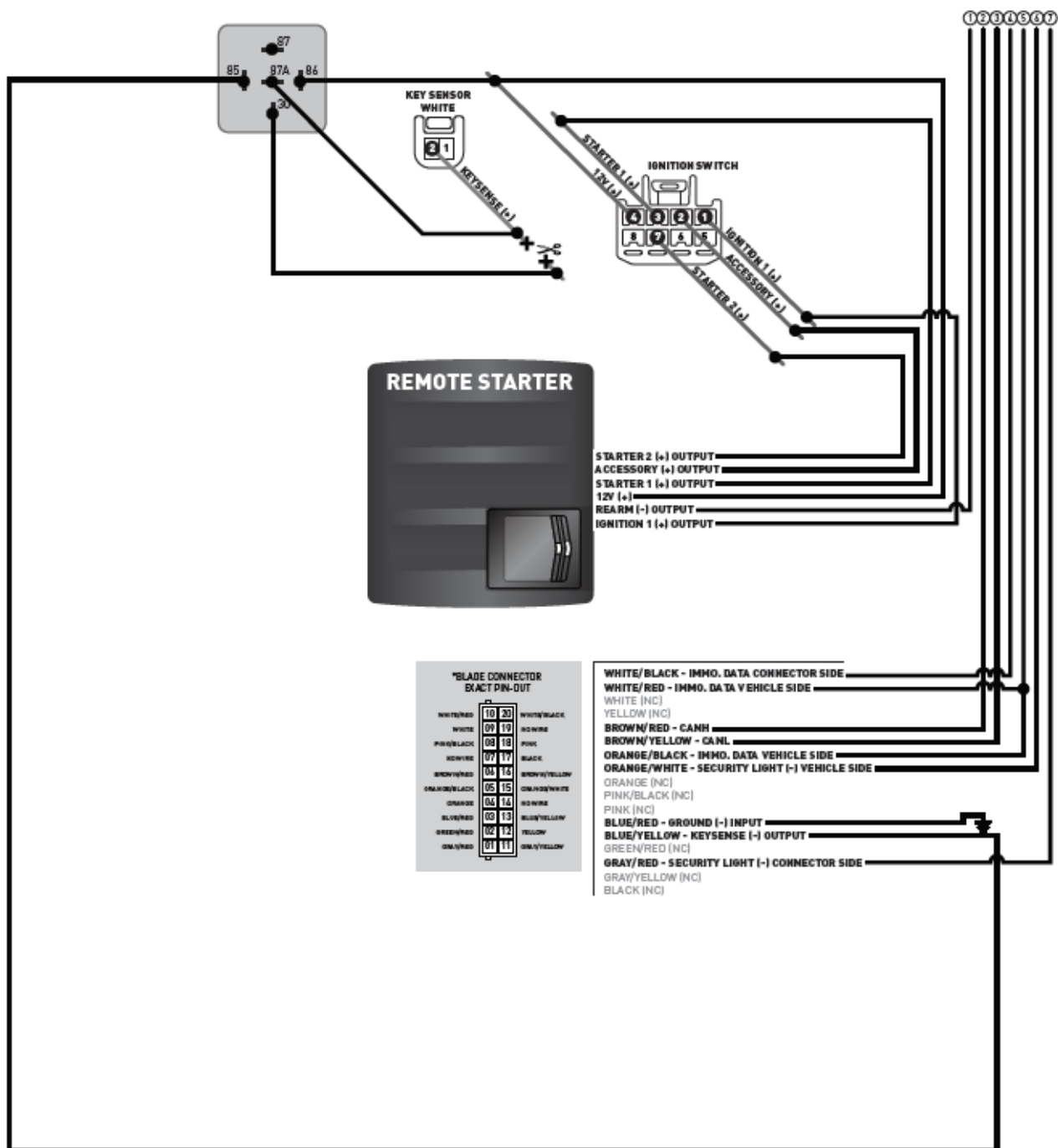
TYPE 5 – WIRE CROSS REFERENCE CHART – 1 OF 1

M A K e	M o D e l	Y e A R	W i R e D e S C R i P T i o n	C o n n e C T o R N A M e	C o n n e C T o R C o l o R	C o n n e C T o R T Y P e	P o S i T i o n	W i R e C o l o R	P o l A R i T Y	M o D U L e l o C A T i o n	C o M P o n e n T l o C A T o R
			Keysense	~	W h i t e	02 pin	0 2	Black	(+)	Key sensor, near ignition switch	~

S U B A R U	Legacy STD key	18-19	CanH	K: 171	White	40 pin	22	Red	(DATA)	BCM/Dash fuse box, rear view	~
			CanL	K: 171	White	40 pin	02	Blue	(DATA)	BCM/Dash fuse box, rear view	~
			Driver door pin	K: 171	White	40 pin	33	Pink	(-)	BCM/Dash fuse box, rear view	~
			Immo Data	B: 281	White	32 pin	14	White/Blue	(DATA)	BCM/Dash fuse box, rear view	~
			Immo. Data (alt. location)	~	~	65 pin	38	White/Blue	(DATA)	ECU, passenger side under hood	~
			Security Light	K: 171	White	40 pin	26	Brown	(-)	BCM/Dash fuse box, rear view	~
	Outback STD key	18-19	Keysense	~	White	02 pin	02	Black	(+)	Key sensor, near ignition switch	~
			CanH	K: 171	White	40 pin	22	Red	(DATA)	BCM/Dash fuse box, rear view	~
			CanL	K: 171	White	40 pin	02	Blue	(DATA)	BCM/Dash fuse box, rear view	~
			Driver door pin	K: 171	White	40 pin	33	Pink	(-)	BCM/Dash fuse box, rear view	~
			Immo Data	B: 281	White	32 pin	14	White/Blue	(DATA)	BCM/Dash fuse box, rear view	~
			Immo. Data (alt. location)	~	~	65 pin	38	White/Blue	(DATA)	ECU, passenger side under hood	~
			Security Light	K: 171	White	40 pin	26	Brown	(-)	BCM/Dash fuse box, rear view	~

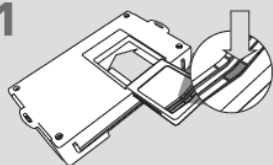


TYPE 5 – WIRING DIAGRAM – 2 OF 2



CARTRIDGE INSTALLATION

1

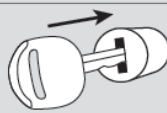
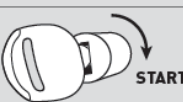
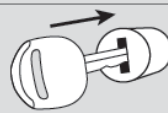
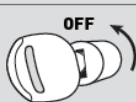
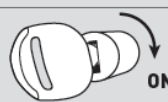
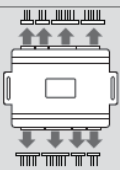
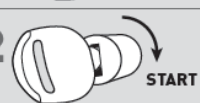
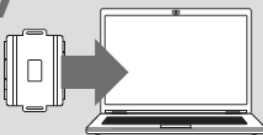
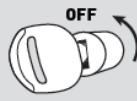


Slide cartridge into unit. Notice button under LED.

2

Ready for Module Programming Procedure.

MODULE PROGRAMMING PROCEDURE – WITH KLON

1		Insert key into ignition.	8		Proceed with extended programming.
2		Turn key to START position. (Engine running)	9		Connect remote starter to vehicle.
3		Wait, LED will turn: BLUE (1X) once, RED (1X) once, BLUE (2X) twice, then will flash BLUE rapidly.	10		Insert key into ignition.
4		Turn key to OFF position.	11		Turn key to ON position. Wait, LED will turn solid RED
5		Disconnect all connectors from the remote starter.	12		Turn key to START position. (Engine running)
6		Remove remote starter from vehicle.	13		Wait, LED will turn: BLUE (1X) once, RED (1X) once, BLUE (1X) once, RED (1X) once, BLUE (1X) once, RED (1X) once, then will turn solid BLUE for 2 seconds.
7		Connect remote starter to computer.	14		Turn key to OFF position.
			15		Module Programming Procedure completed.

IDENTIFY VEHICLE YEAR

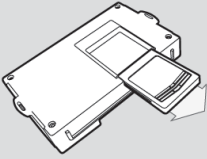
Locate the Vehicle Identification Number (VIN), identify the 10th character then match it to its corresponding year.

A 1980	I 1990	Y 2000	A 2010	I 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

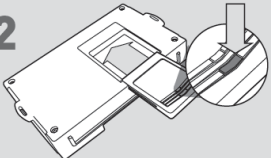
MODULE DIAGNOSTICS

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


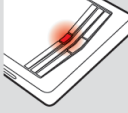
DISCONNECT cartridge from remote starter.

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.

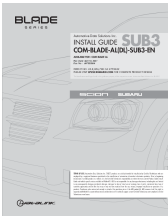


Failure to follow procedure may result with a DTC or a CHECK ENGINE error message.

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Installation Guide
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