

Automotive Data Solutions Inc.

INSTALL GUIDE ADS-TB-KO-EN

KO

AVAILABLE FOR: ADS-TB

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VERSION FRANÇAISE DISPONIBLE EN LIGNE AU WWW.IDATALINK.COM

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mazda

LINCOLN

MERCURY



JAGUAR

PONTIAC

CHEVROLET

SUZUKI

HONDA

ACURA

HYUNDAI

KIA



TOYOTA LEXUS SCION PONTIAC

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.

TABLE OF CONTENTS - READ ENTIRE VEHICLE SECTION - 1 OF 2

MAKE	MODEL	YEAR	SECTION	MAKE	MODEL	YEAR	SECTION	MAKE	MODEL	YEAR	SECTION
ACURA	CL	97-03	C	FORD	Mustang	99-04	A	JAG	S-Type	99-08	A
	CSX	06-11	D		Mustang	05-13	A		X-Type	02-09	A
	EL 1.7	01-05	C		Ranger	01-10	A	KIA	Sedona	04-05	E
	Integra	00-01	C		Ranger	99-01	A		Sorento	04-06	E
	MDX	01-02	C		Taurus STD key	00-12	A		Sportage V6 2.7L	05-07	E
	MDX	03-06	C		Taurus STD key	98-99	A	Sportage V6 2.7L	08-10	E	
	MDX	07-13	D		Taurus X	08-10	A	LEXUS	ES 300	98-03	F
	RDX	07-13	D		Thunderbird	02-05	A		ES 330	04-06	F
	RSX	01-06	C		Transit Connect	10-13	A		ES 350	07-08	F
	TL	98-03	C		Windstar	01-03	A		GS 300	06	F
	TL	04-08	C		Windstar	99-01	A		GS 300	98-05	F
	TL w/o Keyless Access	09-13	D		Accord	98-02	C		GS 350	07-08	F
	TSX	04-08	C		Accord	03-07	C		GS 400	98-00	F
TSX	09-13	D	Accord	08-12	D	GS 430	01-05		F		
CHEVY	Aveo LS	04-08	B	Accord Hybrid	05-07	C	GS 430		06-07	F	
	Aveo 5 LS	04-08	B	Civic	12-13	D	GS 450 Hybrid		07-08	F	
FORD	Epica LS/LT	04-07	B	Civic	01-05	C	GS 460		08	F	
	Contour	98-00	A	Civic	06-11	D	GX 470		03-09	F	
	Crown Victoria	98-02	A	Civic Hybrid	12-13	D	IS 250		06-08	F	
	Crown Victoria	03-09	A	Civic Hybrid	03-05	C	IS 300	01-05	F		
	E-Series	08-13	A	Civic Hybrid	06-11	D	IS 350	06-08	F		
	Edge	07-10	A	CR-V	02-06	C	IS-F	08	F		
	Escape	01-12	A	CR-V	07-11	D	LS 400	98-00	F		
	Escape Hybrid	05-12	A	CR-V	12-13	D	LS 430	01-03	F		
	Excursion	00-05	A	CR-Z	11-13	D	LS 430	04-06	F		
	Expedition	99-01	A	Element	03-11	C	LS 460	07-08	F		
	Expedition	02-13	A	Fit	07-08	C	LS 600 Hybrid	08	F		
	Explorer	98-01	A	Fit	09-13	D	LX 470	98-02	F		
	Explorer	02-10	A	Insight	10-13	D	LX 470	03-07	F		
	Explorer Sport Trac	01	A	Insight	00-06	C	RX 300	99-03	F		
	Explorer Sport Trac	02-05	A	Odyssey	98-04	C	RX 330	04-06	F		
	Explorer Sport Trac	07-10	A	Odyssey	05-10	C	RX 350	07-09	F		
	F-Series Super Duty	08-10	A	Odyssey	11-13	D	RX 400 Hybrid	06-08	F		
	F150	99-03	A	Pilot	03-04	C	SC 300	98-00	F		
	F150	04-11	A	Pilot	05-08	C	SC 400	98-00	F		
	Fiesta	11-13	A	Pilot	09-13	D	SC 430	02-09	F		
	Five Hundred	05-07	A	Ridgeline	06-13	C	Aviator	03-05	A		
	Flex	09-12	A	S-2000	06-10	C	Blackwood	02-03	A		
	Focus	00-11	A	S-2000	00-05	C	Continental	98-02	A		
Freestar	04-07	A	Tiburon V6 2.7L	03-08	E	LS	00-06	A			
Freestyle	05-07	A	Tucson V6 2.7L	05-07	E	Mark LT	06-08	A			
Fusion	06-12	A	Tucson V6 2.7L	08-09	E	MKS w/o smartkey	09-12	A			
Fusion Hybrid	10-12	A	XG300	01	E	MKX	07-10	A			
GT	05-06	A	XG350	02-05	E	MKZ	07-12	A			

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MAKE	MODEL	YEAR	SECTION	MAKE	MODEL	YEAR	SECTION	
LINCOLN	Navigator	99-01	A	TOYOTA	Avalon	98-04	F	
	Navigator	02-13	A		Avalon	05-09	F	
	Town Car	98-02	A		Camry	98-02	F	
	Town Car	03-11	A		Camry	03-04	F	
	Zephyr	06	A		Camry	05-06	F	
MAZDA	2	11-13	A		Camry	07-10	F	
	3	04-09	A		Camry Hybrid	07-10	F	
	3 w/o smartkey	10-13	A		Corolla	05-08	F	
	5	06-13	A		Corolla	09-10	F	
	6	03-08	A		FJ Cruiser	07-09	F	
	6 w/o smartkey	09-13	A		Hiace	06-09	F	
	B-Series	01-10	A		Highlander	01-03	F	
	B-Series	99-01	A		Highlander	04-07	F	
	CX7	07-12	A		Highlander	08-10	F	
	CX9	07-13	A		Highlander Hybrid	06-07	F	
	MX-5	06-13	A		Highlander Hybrid	08-10	F	
	RX-8	04-11	A		Hilux	04-09	F	
	Tribute	01-11	A		Land Cruiser	98-02	F	
	MERCURY	Cougar	99-02		A	Land Cruiser	03-07	F
		Grand Marquis	98-02		A	Land Cruiser	08-10	F
Grand Marquis		03-10	A		Matrix	05-10	F	
Marauder		03-04	A		MR2 Spyder	00-05	F	
Mariner		05-10	A		Prius	04-10	F	
Mariner Hybrid		06-10	A		RAV4	01-03	F	
Milan		06-10	A		RAV4	04-08	F	
Montego		05-07	A		RAV4	09-10	F	
Monterey		04-07	A		Sequoia	01-07	F	
Mountaineer		98-01	A		Sequoia	08-10	F	
Mountaineer		02-10	A	Sienna	99-03	F		
Mystique		98-00	A	Sienna	04-10	F		
Sable		07-09	A	Solara	99-02	F		
Sable		00-05	A	Solara	03-04	F		
Sable		98-99	A	Solara	05-09	F		
PONTIAC	Vibe	08-10	F	Tacoma	05-10	F		
	Wave	05-08	B	Tundra	06	F		
	Wave 5	05-08	B	Tundra	07-09	F		
SCION	tC	05-10	F	Venza STD key	09	F		
	xB	08-10	F	Yaris	06-11	F		
	xD	08-10	F	VPG	MV-1	12-13	A	
Swift+	04-08	B						
Verona	04-06	B						
TOYOTA	4Runner	99-02	F					
	4Runner PTS	10	F					
	4Runner STD key	03-10	F					

INSTALL TYPE SELECTION

MAKE	MODEL	YEAR	INSTALL TYPE		MAKE	MODEL	YEAR	INSTALL TYPE	
			INSTALL TYPE	NUMBER OF KEYS				INSTALL TYPE	NUMBER OF KEYS
FORD	Contour	98-00	1	1	LINCOLN	Aviator	03-05	1	2
	Crown Victoria	98-02	1	1		Blackwood	02-03	1	2
	Crown Victoria	03-09	1	2		Continental	98-02	1	1
	E-Series	08-13	1	2		LS	00-06	3	2
	Edge	07-10	1	2		Mark LT	06-08	1	2
	Escape	01-12	1	2		MKS w/o smartkey	09-12	1	2
	Escape Hybrid	05-12	1	2		MKX	07-10	1	2
	Excursion	00-05	1	1		MKZ	07-12	1	2
	Expedition	99-01	1	1		Navigator	99-01	1	1
	Expedition	02-13	1	2		Navigator	02-13	1	2
	Explorer	98-01	1	1		Town Car	98-02	1	1
	Explorer	02-10	1	2		Town Car	03-11	1	2
	Explorer Sport Trac	01	1	1		Zephyr	06	1	2
	Explorer Sport Trac	02-05	1	2		2	11-13	1	2
	Explorer Sport Trac	07-10	1	2		3	04-09	2	2
	F150	99-03	1	1	3 w/o smartkey	10-13	2	2	
	F150	04-11	1	2	5	06-13	2	2	
	F-Series Super Duty	08-10	1	2	6	03-08	2	2	
	Fiesta	11-13	1	2	6 w/o smartkey	09-13	2	2	
	Five Hundred	05-07	1	2	B-Series	99-01*	1	1	
	Flex	09-12	1	2	B-Series	**01-10	1	2	
	Focus	00-11	1	2	CX7	07-12	2	2	
	Freestar	04-07	1	2	CX9	07-13	2	2	
	Freestyle	05-07	1	2	MX-5	06-13	2	2	
	Fusion	06-12	1	2	RX-8	04-11	2	2	
	Fusion Hybrid	10-12	1	2	Tribute	01-11	1	2	
	GT	05-06	1	2	Cougar	99-02	1	1	
	Mustang	99-04	1	1	Grand Marquis	98-02	1	1	
	Mustang	05-13	1	2	Grand Marquis	03-10	1	2	
	Ranger	99-01*	1	1	Marauder	03-04	1	2	
	Ranger	**01-10	1	2	Mariner	05-10	1	2	
	Taurus Standard key	98-99	1	1	Mariner Hybrid	06-10	1	2	
Taurus Standard key	00-12	1	2	Milan	06-10	1	2		
Taurus X	08-10	1	2	Montego	05-07	1	2		
Thunderbird	02-05	3	2	Monterey	04-07	1	2		
Transit Connect	10-13	1	2	Mountaineer	98-01	1	1		
Windstar	99-01*	1	1	Mountaineer	02-10	1	2		
Windstar	**01-03	1	2	Mystique	98-00	1	1		
JAGUAR	S-Type	99-08	3	2	Sable	98-99	1	1	
	X-Type	02-09	3	2	Sable	00-05	1	2	
VPG					Sable	07-09	1	2	
	MV-1	12-13	1	2					

NOTE

- I IMPORTANT: some vehicles only require 1 key for programming.
- II KLON service is available with the TB-FM2 solution for vehicles that require 2 keys for programming.

* Vehicles manufactured before 07/24/2000
 **Vehicles manufactured after 07/24/2000

TYPE 1 - WIRE CROSS REFERENCE CHART - 1 OF 3

MAKE	MODEL	YEAR	TX		RX		CONNECTOR
			POSITION	WIRE COLOR	POSITION	WIRE COLOR	LOCATION
FORD	Contour	98-00	3	Gray/Orange	4	White/LtGreen	B
	Crown Victoria	98-02	4	White/LtGreen	3	Gray/Orange	A
	Crown Victoria	03-04	4	White/LtGreen	3	Gray/Orange	C
	Crown Victoria	05-09	3	White/LtGreen	4	Gray/Orange	E
	E-Series	08	4	White/LtGreen	3	Gray/Orange	C
	E-Series	09-13	4	Yellow/Orange	3	Violet/Gray	C
	Edge	07-10	3	Violet/Gray	4	Yellow/Orange	E
	Escape / Hybrid	01-07	3	Brown/Orange	4	Red/Black	B
	Escape / Hybrid	08-12	3	Yellow/Orange	4	Violet/Gray	E
	Excursion	00-02/03*	4	White/LtGreen	3	Gray/Orange	A
	Excursion	03**/04-05	4	White/LtGreen	3	Gray/Orange	C
	Expedition	99-02	4	White/LtGreen	3	Gray/Orange	A
	Expedition	03-06	3	White/LtGreen	4	Gray/Orange	B
	Expedition	07-13	3	Violet/Brown	4	Blue/Gray	E
	Explorer	98-00/01*	4	White/LtGreen	3	Gray/Orange	A
	Explorer [2dr]	01**/02-03	4	White/LtGreen	3	Gray/Orange	C
	Explorer	02-05	3	White/LtGreen	4	Gray/Orange	B
	Explorer	06-10	3	Yellow/Orange	4	Violet/Gray	E
	Explorer Sport Trac	01*	4	White/LtGreen	3	Gray/Orange	A
	Explorer Sport Trac	01**/02-05	4	White/LtGreen	3	Gray/Orange	C
	Explorer Sport Trac	07-10	3	Yellow/Orange	4	Violet/Gray	E
	F-150	99-02	4	White/LtGreen	3	Gray/Orange	A
	F-150	03	4	White/LtGreen	3	Gray/Orange	C
	F-150	04-08	3	White/LtGreen	4	Gray/Orange	B
	F-150	09-11	3	Violet/Gray***	4	Yellow/Orange***	E
	F-Series Super Duty	08-10	3	Yellow/Orange	4	Violet/Gray	E
	Fiesta	11-13	3	Yellow/Orange	4	Violet/Gray	E
	Five Hundred	05-07	3	White/LtGreen	4	Gray/Orange	E
	Flex	09-12	3	Yellow/Orange	4	Violet/Gray	E
	Focus	00-07	3	Gray/Orange	4	White/Green	B
	Focus	08-11	4	Violet/Gray***	3	Yellow/Orange***	E
	Freestar	04-07	4	White/LtGreen	3	Gray/Orange	C
	Freestyle	05-07	3	White/LtGreen	4	Gray/Orange	E
	Fusion	06/07*	3	Violet/Gray	4	Yellow/Orange	E
	Fusion	07**/08-12	3	Yellow/Orange	4	Violet/Gray	E
	GT	05-06	3	White/Orange	4	Brown/Orange	B
	Mustang	99-02	4	White/LtGreen	3	Gray/Orange	A
	Mustang	03-04	4	White/LtGreen	3	Gray/Orange	C
	Mustang	05-09	3	White/LtGreen	4	Gray/Orange	E
	Mustang	10-13	3	Violet/Gray	4	Yellow/Red	E
Ranger	99-00	4	White/LtGreen	3	Gray/Orange	A	
Ranger	01-06	4	White/LtGreen	3	Gray/Orange	C	
Ranger	07-10	4	Violet/Brown	3	Blue/Gray	C	
Taurus	98-01	4	Brown/Orange	3	Red/Black	A	
Taurus	02	4	Gray/Red	3	Brown/Yellow	A	
Taurus	03	4	Brown/Yellow	3	Gray/Red	C	

* EARLY PRODUCTION
 ** LATE PRODUCTION
 *** COLORS MAY VARY
 BUT PIN OUT IS CORRECT

TYPE 1 - WIRE CROSS REFERENCE CHART - 2 OF 3

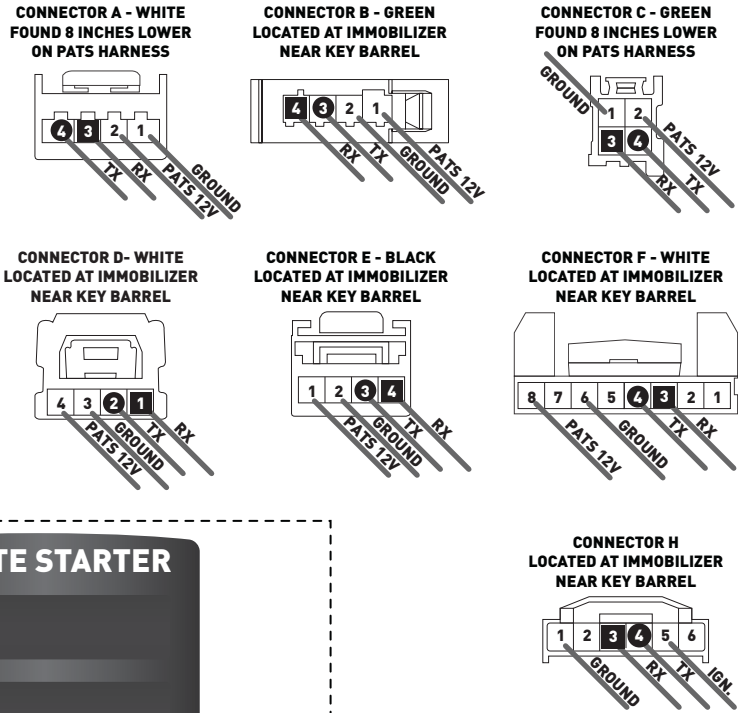
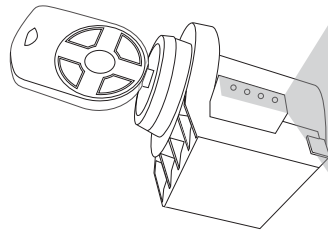
MAKE	MODEL	YEAR	TX		RX		CONNECTOR
			POSITION	WIRE COLOR	POSITION	WIRE COLOR	LOCATION
FORD	Taurus	04-07	4	White/LtGreen	3	Gray/Orange	C
	Taurus	08-12	3	Yellow/Orange	4	Violet/Gray	E
	Taurus X	08-10	3	Yellow/Orange	4	Violet/Gray	E
	Transit Connect	10	4	White/Green	3	Gray/Orange	A
	Transit Connect	11-13	3	White/Green	4	Gray/Orange	A
	Windstar	99-02	4	White/LtGreen	3	Gray/Orange	A
	Windstar	03	4	White/LtGreen	3	Gray/Orange	C
LINCOLN	Aviator	03-05	3	White/LtGreen	4	Gray/Orange	B
	Blackwood	02	4	White/LtGreen	3	Gray/Orange	A
	Blackwood	03	4	White/LtGreen	3	Gray/Orange	C
	Continental	98*	3	White/LtGreen	4	Gray/Orange	A
	Continental	98**/99-02	4	White/LtGreen	3	Gray/Orange	A
	Mark LT	06-08	3	White/LtGreen	4	Gray/Orange	B
	MKS (w/o smartkey)	09-12	3	Yellow/Orange	4	Violet/Gray	E
	MKX	07-10	3	Violet/Gray	4	Yellow/Orange	E
	MKZ	07*	3	Violet/Gray	4	Yellow/Orange	E
	MKZ	07**/08-12	3	Yellow/Orange	4	Violet/Gray	E
	Navigator	99-02	4	White/LtGreen	3	Gray/Orange	A
	Navigator	03-06	3	White/LtGreen	4	Gray/Orange	B
	Navigator	07-13	3	Violet/Brown	4	Blue/Gray	E
	Town Car	98-02	4	White/LtGreen	3	Gray/Orange	A
	Town Car	03-04	4	White/LtGreen	3	Gray/Orange	C
	Town Car	05-11	3	White/LtGreen	4	Gray/Orange	E
Zephyr	06	3	Violet/Gray	4	Yellow/Orange	E	
MAZDA	2	11-13	4	Gray	3	Green	H
	B-Series	99-00	4	White/LtGreen	3	Gray/Orange	A
	B-Series	01-06	4	White/LtGreen	3	Gray/Orange	C
	B-Series	07-10	4	Violet/Brown	3	Blue/Gray	C
	Tribute	01-07	3	Brown/Orange	4	Red/Black	B
Tribute	08-11	3	Yellow/Orange	4	Violet/Gray	E	
MERCURY	Cougar	99-02	3	Gray/Orange	4	White/Green	B
	Grand Marquis	98-02	4	White/LtGreen	3	Gray/Orange	A
	Grand Marquis	03-04	4	White/LtGreen	3	Gray/Orange	C
	Grand Marquis	05-10	3	White/LtGreen	4	Gray/Orange	E
	Marauder	03-04	4	White/LtGreen	3	Gray/Orange	C
	Mariner / Hybrid	05-07	3	Brown/Orange	4	Red/Black	B
	Mariner / Hybrid	08-10	3	Yellow/Orange	4	Violet/Gray	E
	Milan	06/07*	3	Violet/Gray	4	Yellow/Orange	E
	Milan	07**/08-10	3	Yellow/Orange	4	Violet/Gray	E
	Montego	05-07	3	White/LtGreen	4	Gray/Orange	E
	Monterey	04-07	4	White/LtGreen	3	Gray/Orange	C
	Mountaineer	98-01	4	White/LtGreen	3	Gray/Orange	A
	Mountaineer	02-05	3	White/LtGreen	4	Gray/Orange	B
	Mountaineer	06-10	3	Yellow/Orange	4	Violet/Gray	E
	Mystique	98-00	3	Gray/Orange	4	White/LtGreen	B
Sable	98-01	4	Brown/Orange	3	Red/Black	A	

* EARLY PRODUCTION
** LATE PRODUCTION

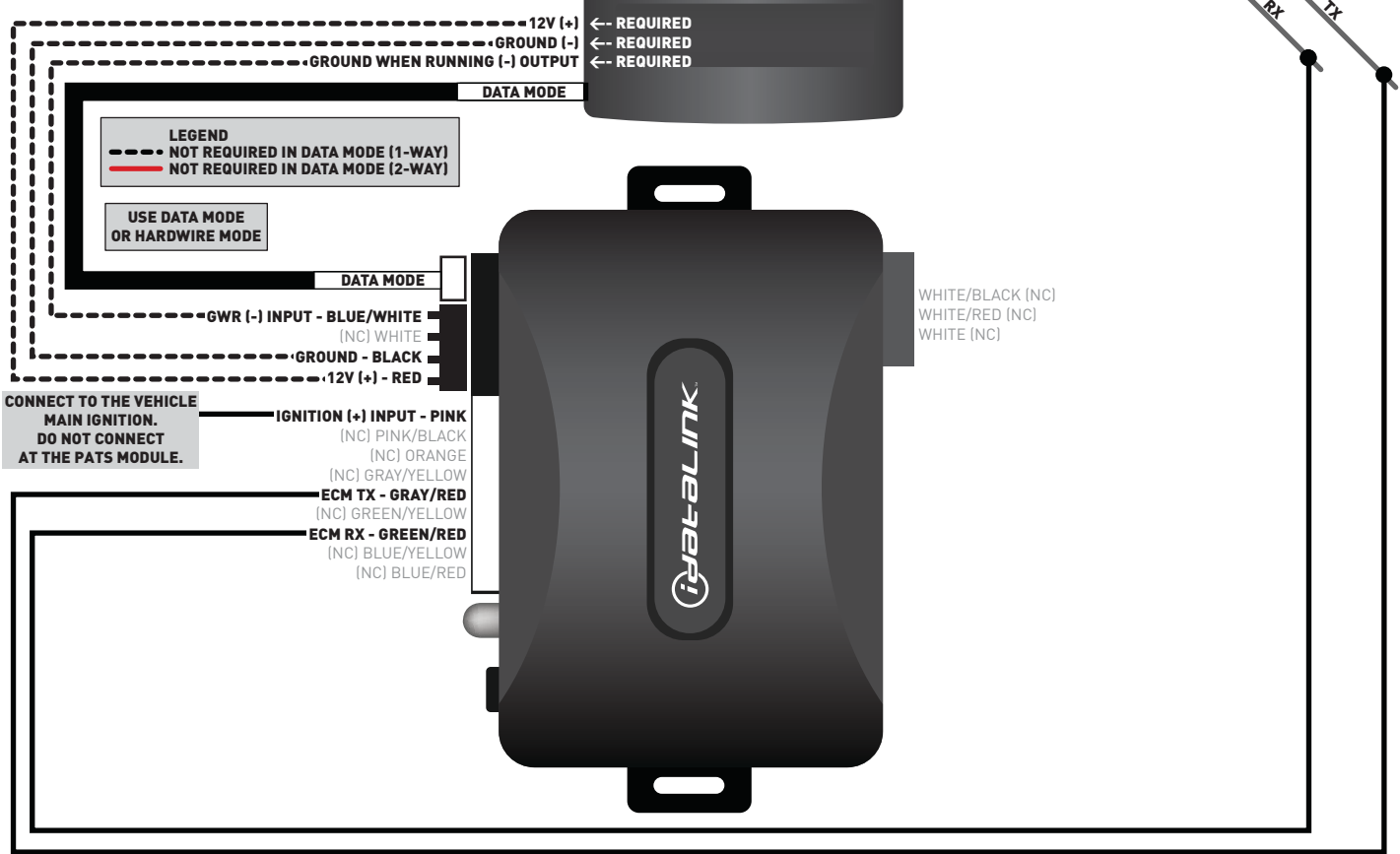
TYPE 1 - WIRE CROSS REFERENCE CHART - 3 OF 3

MAKE	MODEL	YEAR	TX		RX		CONNECTOR
			POSITION	WIRE COLOR	POSITION	WIRE COLOR	LOCATION
MERCURY	Sable	02	4	Gray/Red	3	Brown/Yellow	A
	Sable	03	4	Brown/Yellow	3	Gray/Red	C
	Sable	04-05	4	White/LtGreen	3	Gray/Orange	C
	Sable	08-09	3	Yellow/Orange	4	Violet/Gray	E
VPG	MV-1	12-13	4	Yellow/Orange	3	Violet/Gray	C

TYPE 1 - WIRING DIAGRAM



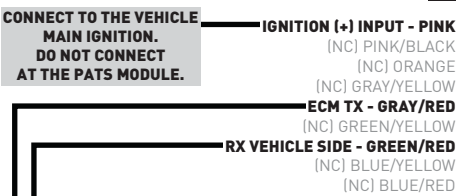
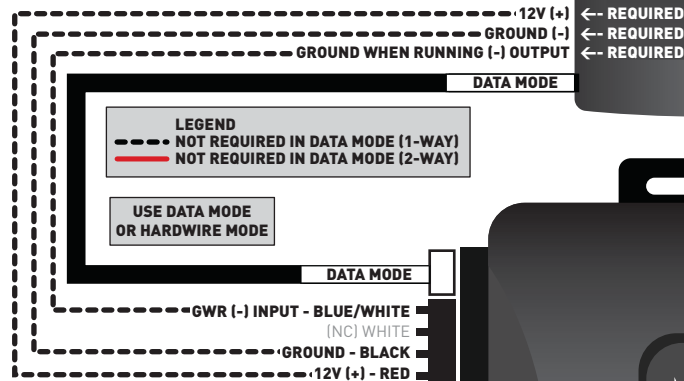
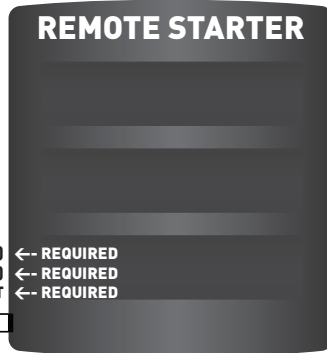
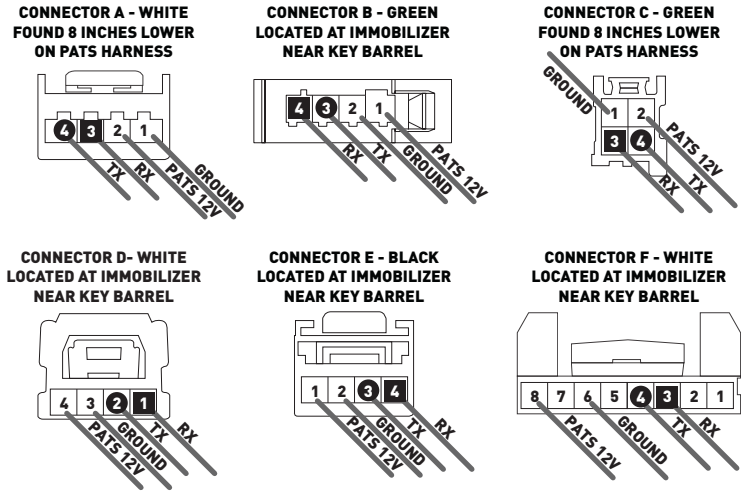
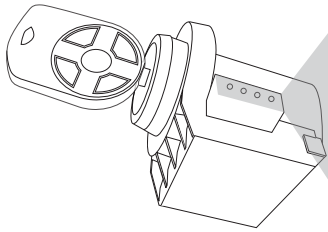
REMOTE STARTER



TYPE 2 - WIRE CROSS REFERENCE CHART - 1 OF 1

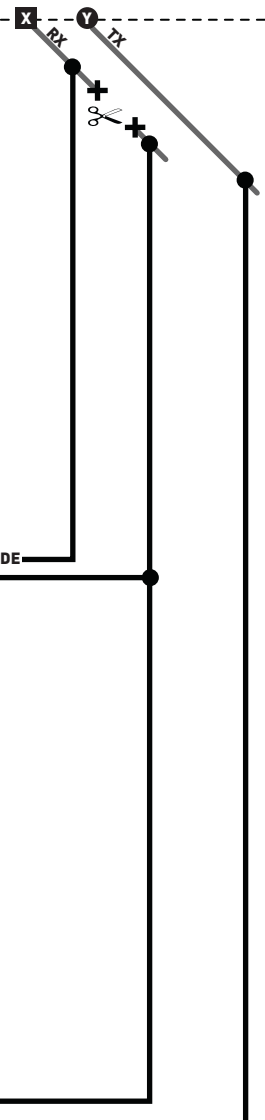
MAKE	MODEL	YEAR	TX		RX		CONNECTOR
			POSITION	WIRE COLOR	POSITION	WIRE COLOR	LOCATION
MAZDA	3	04-09	2	Gray/Orange	1	White/LtGreen	D
	3 (w/o smartkey)	10-13	2	LtBlue	1	Blue	D
	5	06-10	2	Green	1	Pink/Black	D
	5	11-13	2	LtBlue/Orange	1	Gray	D
	6 (w/o smartkey)	03-08	2	Green	1	Orange/LtBlue	D
	6 (with smartkey)	06-08	2	Yellow/Green	1	Gray	D
	6 (w/o smartkey)	09-13	4	Gray/Orange	3	White/LtGreen	F
	CX7	07-12	2	Gray/Orange	1	White/LtGreen	D
	CX9	07-13	2	Blue/Yellow	1	Blue/Orange	D
	MX-5 (w/o smartkey)	06-13	2	Yellow/Black	1	LtBlue/Orange	D
	MX-5 (with smartkey)	06-13	2	Gray/LtBlue	1	Violet	D
	RX-8	04-11	2	LtBlue/Orange	1	Yellow/Black	D

TYPE 2 - WIRING DIAGRAM



CONNECT TO THE VEHICLE MAIN IGNITION. DO NOT CONNECT AT THE PATS MODULE.

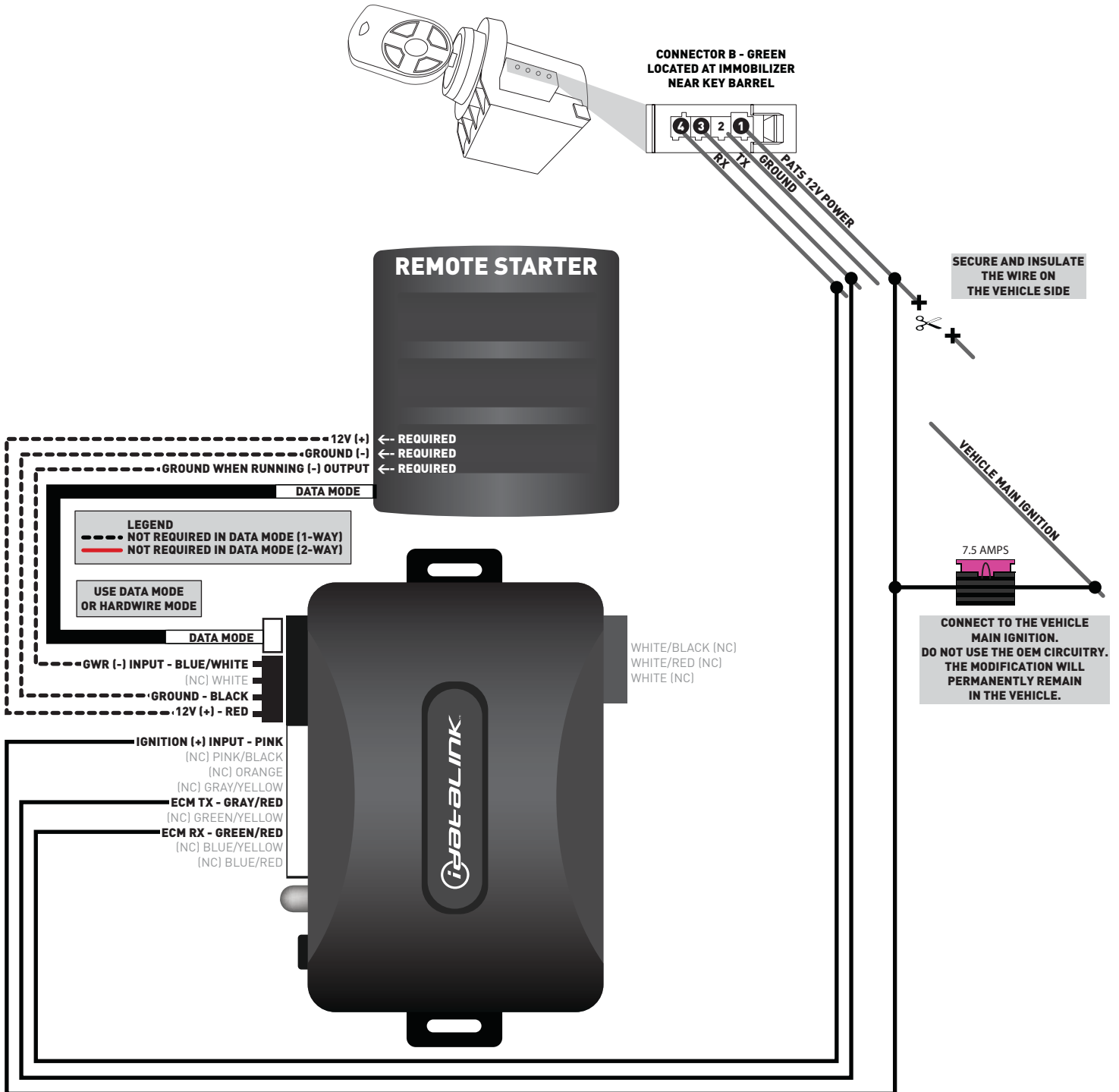
WHITE/BLACK - RX CONNECTOR SIDE
WHITE/RED - RX VEHICLE SIDE
WHITE (NC)



TYPE 3 - WIRE CROSS REFERENCE CHART - 1 OF 1

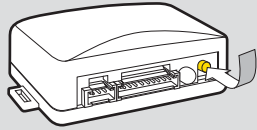
MAKE	MODEL	YEAR	TX		RX		PATS POWER		CONNECTOR
			POSITION	WIRE COLOR	POSITION	WIRE COLOR	POSITION	WIRE COLOR	LOCATION
FORD	Thunderbird	02-05	3	White/Red	4	Gray/Red	1	Orange/Blue	B
JAGUAR	S-Type	99-02	3	White/Red	4	Gray/Red	1	Orange/Blue	B
	S-Type	03-08	3	White/Red	4	Yellow/Red	1	Brown/Green	B
	X-Type	02-09	3	White/Green	4	Orange	1	Green	B
LINCOLN	LS	00-06	3	White/Red	4	Gray/Red	1	Orange/Blue	B

TYPE 3 - WIRING DIAGRAM



INSTALLATION MODE SELECTION

1

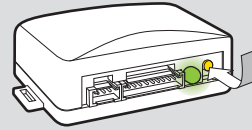


Press and release programming button to select installation mode.



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.

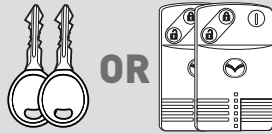


After registration, follow Factory Reset Procedure to change installation mode and restart this procedure.

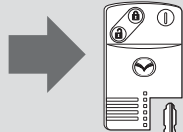
MODULE PROGRAMMING PROCEDURE - WITH TWO OEM KEYS

NOTE

I To complete this procedure, both OEM keys are required.



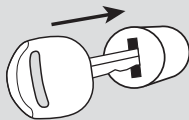
II Keep both OEM remotes at least 10 feet away from the vehicle.



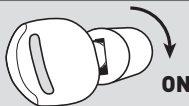
Use both valet keys for the module programming procedure.



1 Insert key 1 into ignition.

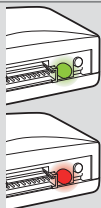


2 Turn key 1 to ON position.



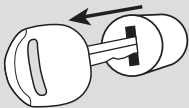
! If the LED begins to flash RED, verify the RX and TX connections between the module and the vehicle.

3 If LED turns solid GREEN for **2 seconds**. Module Programming Procedure completed.

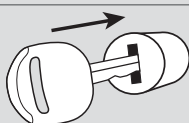


If LED turns solid RED, proceed with following step within **5 seconds**, after LED turns OFF.

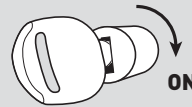
4 Remove key.



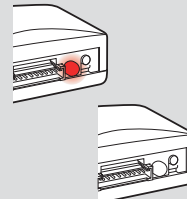
5 Insert key 2 into ignition.



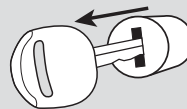
6 Turn key 2 to ON position.



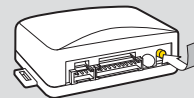
7 Wait, LED will turn solid RED then will turn OFF.



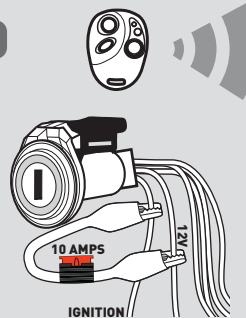
8 Remove key.



9 Press and release programming button.

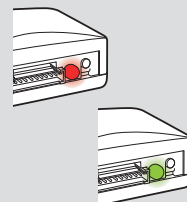


10 Remote start vehicle.
OR
Jump the ignition to 12volts.



! If the LED begins to flash RED, you are using a cloned key or used the same key twice.

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



12 Module Programming Procedure completed.

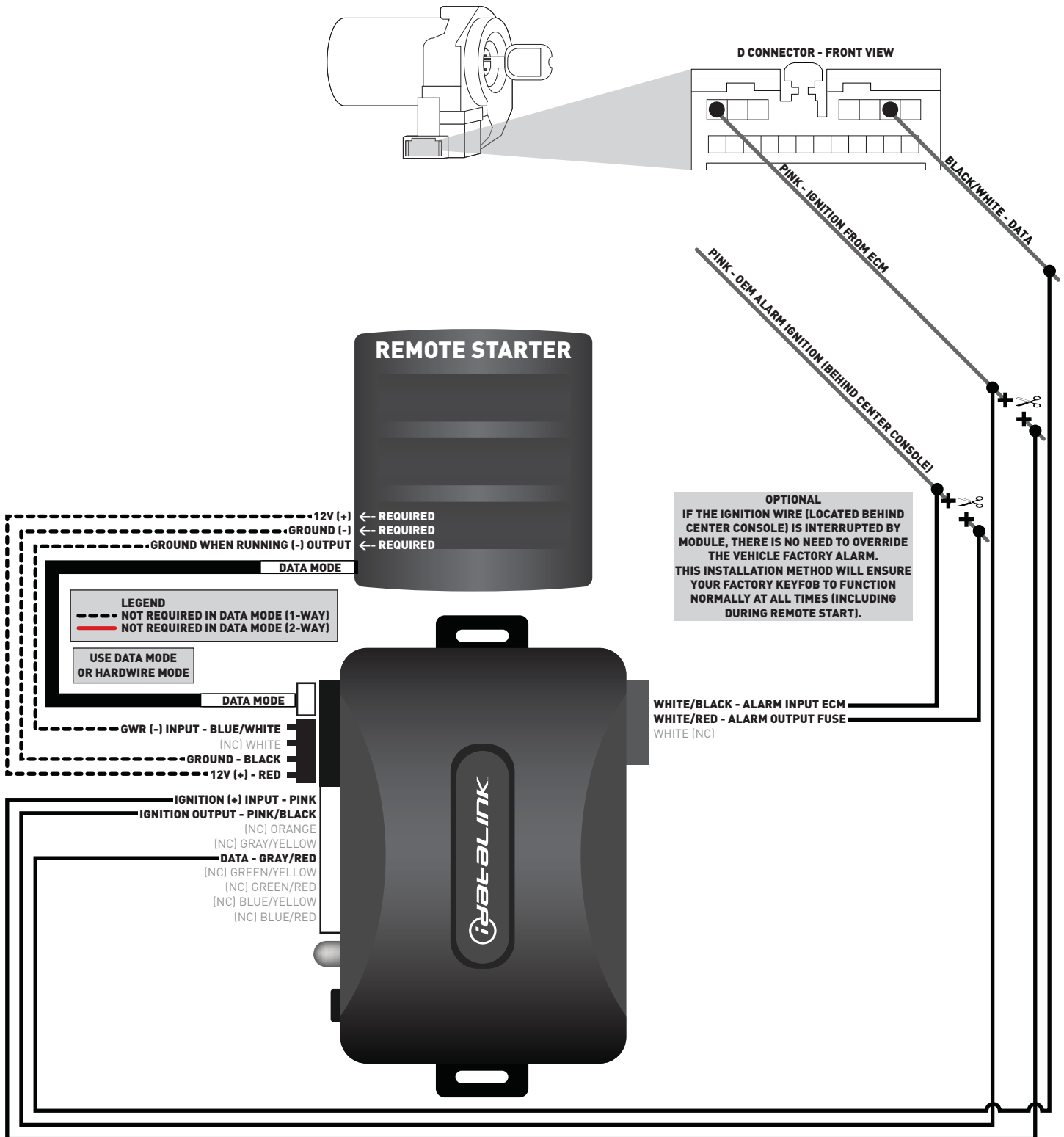
INSTALL TYPE SELECTION

MAKE	MODEL	YEAR	INSTALL TYPE
CHEVROLET	Aveo (LS)	04-08	1
	Aveo 5 (LS)	04-08	1
	Epica (LS/LT)	04-07	2
PONTIAC	Wave	05-08	1
	Wave 5	05-08	1
SUZUKI	Swift+	04-08	1
	Verona	04-06	2

TYPE 1 - WIRE CROSS REFERENCE CHART

MAKE	MODEL	YEAR	IGNITION		DATA		CONNECTOR		
			POSITION	WIRE COLOR	POSITION	WIRE COLOR	NAME	TYPE	LOCATION
CHEVROLET	Aveo (LS)	04-07	1	Pink	6	Black/White	D	7 pin	At key barrel
	Aveo (LS)	08	1	Pink	6	Brown/White	D	7 pin	At key barrel
	Aveo 5 (LS)	04-07	1	Pink	6	Black/White	D	7 pin	At key barrel
	Aveo 5 (LS)	08	1	Pink	6	Brown/White	D	7 pin	At key barrel
PONTIAC	Wave	05-07	1	Pink	6	Black/White	D	7 pin	At key barrel
	Wave	08	1	Pink	6	Brown/White	D	7 pin	At key barrel
	Wave 5	05-07	1	Pink	6	Black/White	D	7 pin	At key barrel
	Wave 5	08	1	Pink	6	Brown/White	D	7 pin	At key barrel
SUZUKI	Swift+	04-07	1	Pink	6	Black/White	D	7 pin	At key barrel
	Swift+	08	1	Pink	6	Brown/White	D	7 pin	At key barrel

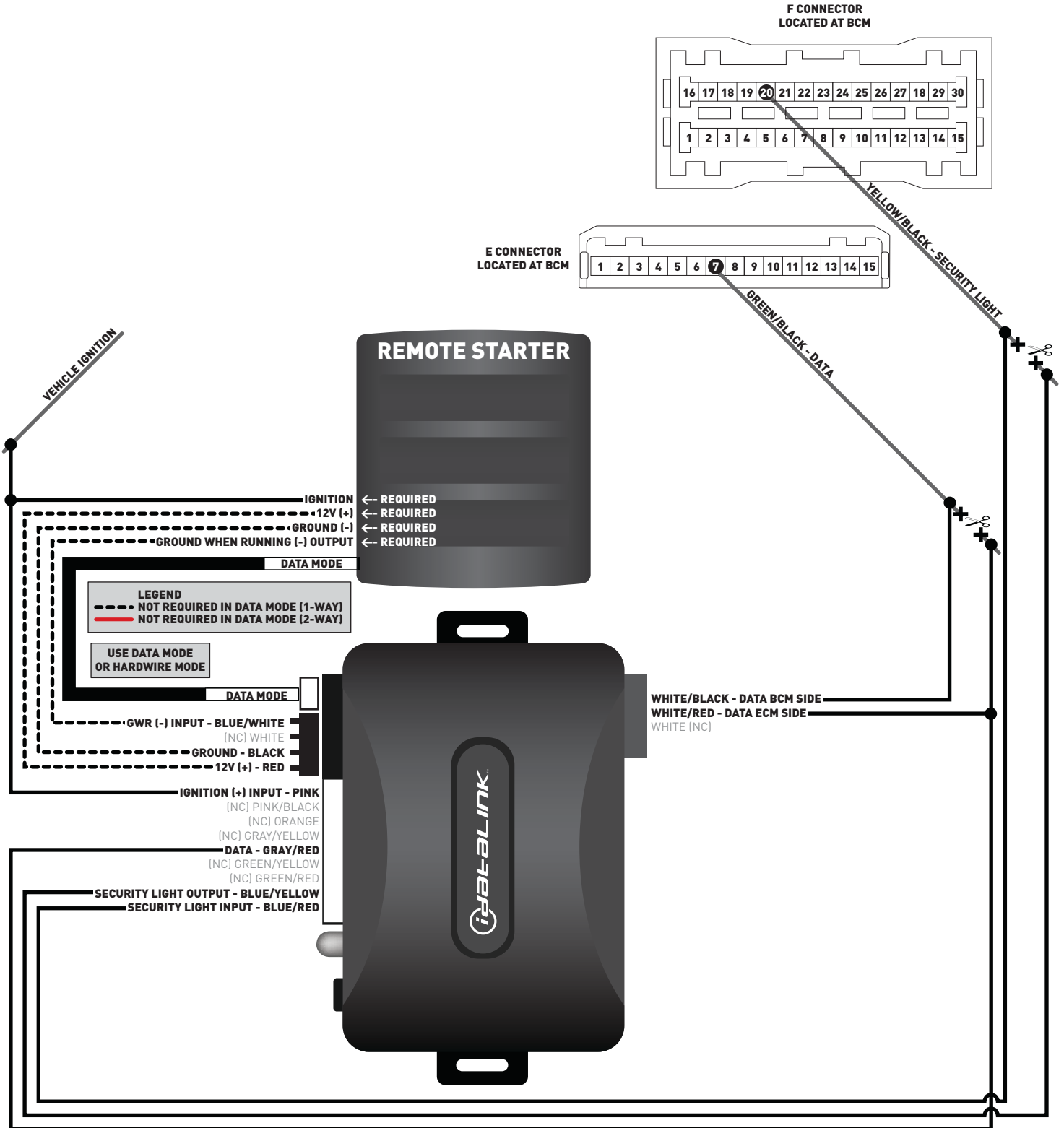
TYPE 1 - WIRING DIAGRAM



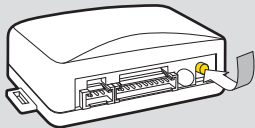
TYPE 2 - WIRE CROSS REFERENCE CHART



MAKE	MODEL	YEAR	DATA		CONNECTOR			SECURITY LIGHT		CONNECTOR		
			POSITION	WIRE COLOR	NAME	TYPE	LOCATION	POSITION	WIRE COLOR	NAME	TYPE	LOCATION
CHEVROLET	Epica (LS/LT)	04-07	7	Green/Black	E	15 pin	At BCM	20	Yellow/Black	F	30 pin	At BCM
SUZUKI	Verona	04-06	7	Green/Black	E	15 pin	At BCM	20	Yellow/Black	F	30 pin	At BCM

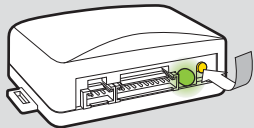
TYPE 2 - WIRING DIAGRAM



INSTALLATION MODE SELECTION

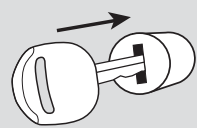
1  Press and release programming button to select installation mode.

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

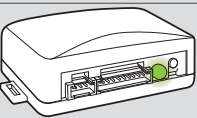
2  Press and hold programming button until LED turns solid GREEN to register selection.

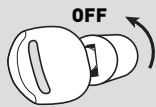
! After registration, follow Factory Reset Procedure to change installation mode and restart this procedure.

MODULE PROGRAMMING PROCEDURE

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.

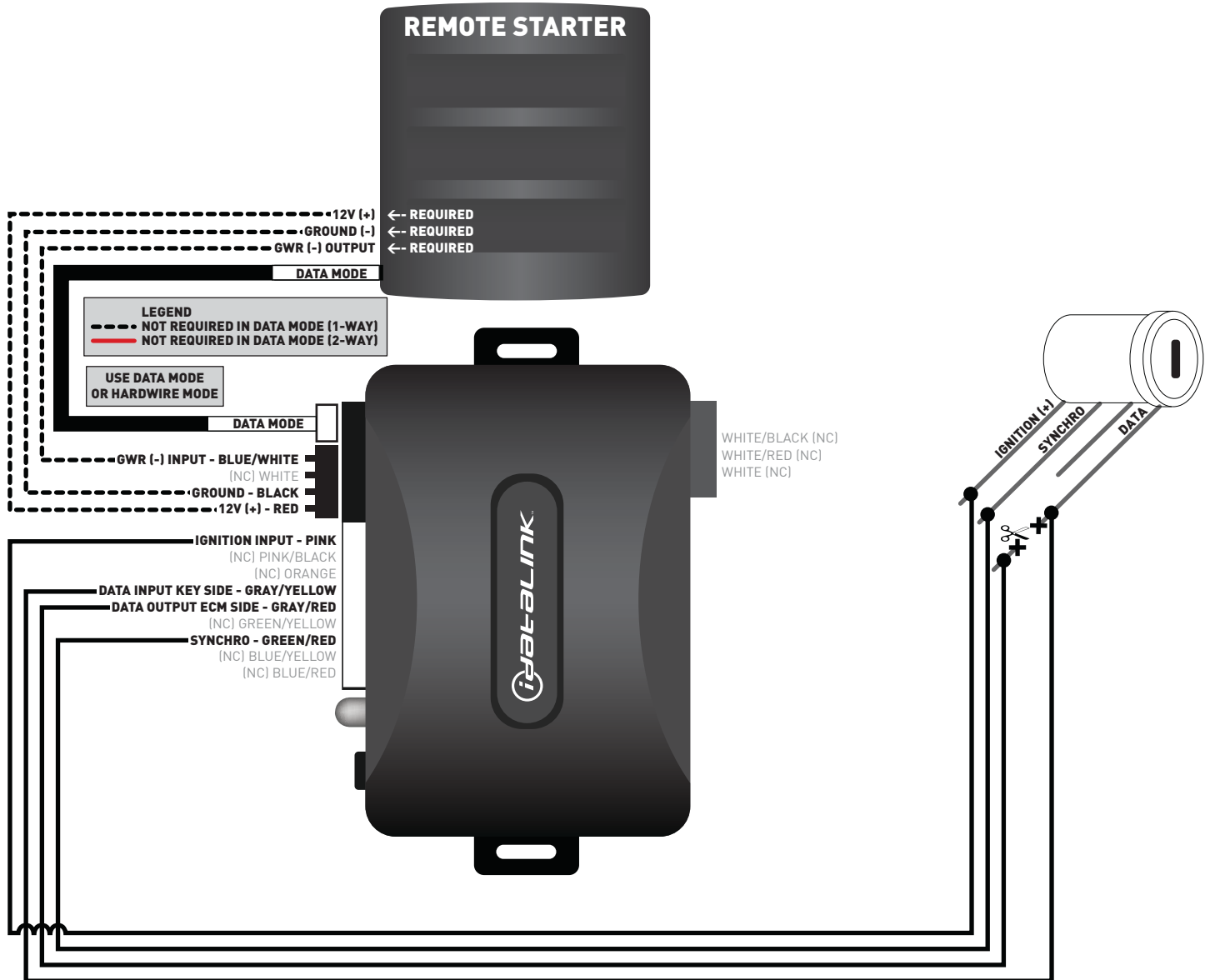
INSTALL TYPE SELECTION

MAKE	MODEL	YEAR	INSTALL TYPE
ACURA	CL	97-03	1
	EL 1.7	01-05	2
	Integra	00-01	1
	MDX	01-02	1
	MDX	03-06	2
	RSX	01-06	2
	TL	98-03	1
	TL	04-08	2
	TSX	04-08	2
HONDA	Accord	98-02	1
	Accord	03-07	2
	Accord Hybrid	05-07	2
	Civic	01-05	2
	Civic Hybrid	03-05	2
	CR-V	02-06	2
	Element	03-11	2
	Fit	07-08	2
	Insight	00-06	1
	Odyssey	98-04	1
	Odyssey	05-10	2
	Pilot	03-04	1
	Pilot	05-08	2
	S-2000	00-05	1
	S-2000	06-10	2
	Ridgeline	06-13	2

TYPE 1 - WIRE CROSS REFERENCE CHART

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
ACURA	CL	97-99	Data	~	Green	5 pin	2	Blue/Green	(DATA)	Ignition switch	~
			Synchro	~	Green	5 pin	3	Orange/Blue	(DATA)	Ignition switch	~
	CL	00-03	Data	~	Green	5 pin	2	Red	(DATA)	Ignition switch	~
			Synchro	~	Green	5 pin	3	Blue/White	(DATA)	Ignition switch	~
	Integra	00-01	Data	~	Green	5 pin	2	Red	(DATA)	Ignition switch	~
			Synchro	~	Green	5 pin	3	Blue	(DATA)	Ignition switch	~
	MDX	01-02	Data	~	Green	5 pin	2	Red	(DATA)	Ignition switch	~
			Synchro	~	Green	5 pin	3	Blue	(DATA)	Ignition switch	~
	TL	98-03	Data	~	Green	5 pin	2	Red	(DATA)	Ignition switch	~
			Synchro	~	Green	5 pin	3	Blue	(DATA)	Ignition switch	~
HONDA	Accord	98-02	Data	~	Green	5 pin	2	Red	(DATA)	Ignition switch	~
			Synchro	~	Green	5 pin	3	Blue	(DATA)	Ignition switch	~
	Insight	00-06	Data	~	Green	5 pin	2	Red	(DATA)	Ignition switch	~
			Synchro	~	Green	5 pin	3	Blue/Yellow	(DATA)	Ignition switch	~
	Odyssey	98	Data	~	Green	5 pin	2	Red	(DATA)	Ignition switch	~
			Synchro	~	Green	5 pin	3	Blue	(DATA)	Ignition switch	~
	Odyssey	99-04	Data	~	Green	5 pin	2	Blue/Green	(DATA)	Ignition switch	~
			Synchro	~	Green	5 pin	3	Orange/ Blue	(DATA)	Ignition switch	~
	Pilot	03-04	Data	~	Green	5 pin	2	Red	(DATA)	Ignition switch	~
			Synchro	~	Green	5 pin	3	Blue	(DATA)	Ignition switch	~
	S2000	00-05	Data	~	Green	5 pin	2	Red/Blue	(DATA)	Ignition switch	~
			Synchro	~	Green	5 pin	3	Pink/Blue	(DATA)	Ignition switch	~

TYPE 1 - WIRING DIAGRAM



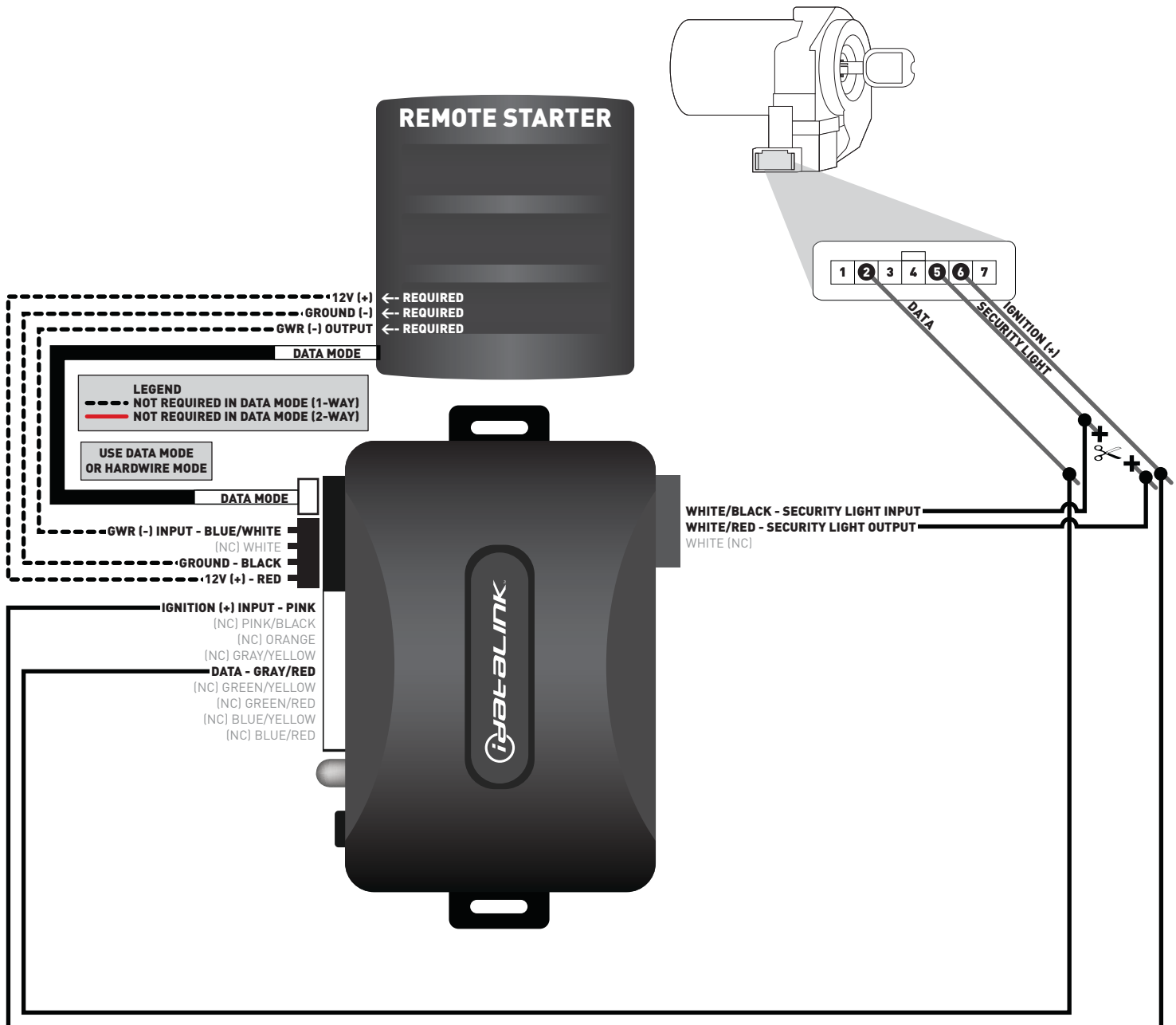
TYPE 2 - WIRE CROSS REFERENCE CHART - 1 OF 2

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
ACURA	EL 1.7	01-05	Ignition	~	~	7 pin	6	Yellow/Black	(+)	Ignition switch	~
			Data	~	~	7 pin	2	Red/Blue	(DATA)	Ignition switch	~
			Security Led	~	~	7 pin	5	Blue/Orange	~	Ignition switch	~
	MDX	03-06	Ignition	~	~	7 pin	6	Green/White	(+)	Ignition switch	~
			Data	~	~	7 pin	2	Red	(DATA)	Ignition switch	~
			Security Led	~	~	7 pin	5	Blue/Orange	~	Ignition switch	~
	RSX	02-04	Ignition	~	~	7 pin	6	Yellow/Black	(+)	Ignition switch	~
			Data	~	~	7 pin	2	Red/Blue	(DATA)	Ignition switch	~
			Security Led	~	~	7 pin	5	Blue/Orange	~	Ignition switch	~
	RSX	05-06	Ignition	~	~	7 pin	6	Black/Yellow	(+)	Ignition switch	~
			Data	~	~	7 pin	2	Red/Blue	(DATA)	Ignition switch	~
			Security Led	~	~	7 pin	5	Blue/Orange	~	Ignition switch	~
	TL	04-06	Ignition	~	~	7 pin	6	Black/Green	(+)	Ignition switch	~
			Data	~	~	7 pin	2	Red/Blue	(DATA)	Ignition switch	~
			Security Led	~	~	7 pin	5	Blue/Orange	~	Ignition switch	~
	TL	07-08	Ignition	~	~	7 pin	6	Black/Green	(+)	Ignition switch	~
			Data	~	~	7 pin	2	Yellow	(DATA)	Ignition switch	~
			Security Led	~	~	7 pin	5	Orange	~	Ignition switch	~
	TSX	04-05	Ignition	~	~	7 pin	6	Black/Yellow	(+)	Ignition switch	~
			Data	~	~	7 pin	2	Red/Blue	(DATA)	Ignition switch	~
			Security Led	~	~	7 pin	5	Blue/Orange	~	Ignition switch	~
TSX	06-08	Ignition	~	~	7 pin	6	Black/Yellow	(+)	Ignition switch	~	
		Data	~	~	7 pin	2	Red/Blue	(DATA)	Ignition switch	~	
		Security Led	~	~	7 pin	5	Blue/Orange	~	Ignition switch	~	
HONDA	Accord	03-07	Ignition	~	~	7 pin	6	Black/Yellow	(+)	Ignition switch	~
			Data	~	~	7 pin	2	Red/Blue	(DATA)	Ignition switch	~
			Security Led	~	~	7 pin	5	Blue/Orange	~	Ignition switch	~
	Accord Hybrid	05	Ignition	~	~	7 pin	6	Black/Yellow	(+)	Ignition switch	~
			Data	~	~	7 pin	2	Yellow	(DATA)	Ignition switch	~
			Security Led	~	~	7 pin	5	Red	~	Ignition switch	~
	Accord Hybrid	06-07	Ignition	~	~	7 pin	6	Black/Yellow	(+)	Ignition switch	~
			Data	~	~	7 pin	2	Yellow	(DATA)	Ignition switch	~
			Security Led	~	~	7 pin	5	Red	~	Ignition switch	~
	Civic	01-05	Ignition	~	~	7 pin	6	Yellow/Black	(+)	Ignition switch	~
			Data	~	~	7 pin	2	Red/Blue	(DATA)	Ignition switch	~
			Security Led	~	~	7 pin	5	Blue/Orange	~	Ignition switch	~
	Civic Hybrid	03-05	Ignition	~	~	7 pin	6	Yellow/Black	(+)	Ignition switch	~
			Data	~	~	7 pin	2	Red/Blue	(DATA)	Ignition switch	~
			Security Led	~	~	7 pin	5	Blue/Orange	~	Ignition switch	~

TYPE 2 - WIRE CROSS REFERENCE CHART - 2 OF 2



MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
HONDA	CR-V	02-04	Ignition	~	~	7 pin	6	Yellow/Black	(+)	Ignition switch	~
			Data	~	~	7 pin	2	White	(DATA)	Ignition switch	~
			Security Led	~	~	7 pin	5	Blue/Orange	~	Ignition switch	~
	CR-V	05-06	Ignition	~	~	7 pin	6	Black/Yellow	(+)	Ignition switch	~
			Data	~	~	7 pin	2	White	(DATA)	Ignition switch	~
			Security Led	~	~	7 pin	5	Blue/Orange	~	Ignition switch	~
	Element	03-11	Ignition	~	~	7 pin	6	Black/Yellow	(+)	Ignition switch	~
			Data	~	~	7 pin	2	White	(DATA)	Ignition switch	~
			Security Led	~	~	7 pin	5	Blue/Orange	~	Ignition switch	~
	Fit	07-08	Ignition	~	~	7 pin	6	Black/Yellow	(+)	Ignition switch	~
			Data	~	~	7 pin	2	LtGreen/Black	(DATA)	Ignition switch	~
			Security Led	~	~	7 pin	5	Red/Black	~	Ignition switch	~
	Odyssey	05-10	Ignition	~	~	7 pin	6	Black/Yellow	(+)	Ignition switch	~
			Data	~	~	7 pin	2	Red/Blue	(DATA)	Ignition switch	~
			Security Led	~	~	7 pin	5	Blue/Orange	~	Ignition switch	~
	Pilot	05	Ignition	~	~	7 pin	6	Red/White	(+)	Ignition switch	~
			Data	~	~	7 pin	2	Red/Green	(DATA)	Ignition switch	~
			Security Led	~	~	7 pin	5	Pink	~	Ignition switch	~
	Pilot	06-08	Ignition	~	~	7 pin	6	Red/White	(+)	Ignition switch	~
			Data	~	~	7 pin	2	Red/Green	(DATA)	Ignition switch	~
			Security Led	~	~	7 pin	5	White/Blue	~	Ignition switch	~
S-2000	06-10	Ignition	~	~	7 pin	6	Black/Yellow	(+)	Ignition switch	~	
		Data	~	~	7 pin	2	Red/Blue	(DATA)	Ignition switch	~	
		Security Led	~	~	7 pin	5	Pink	~	Ignition switch	~	
Ridgeline	06-13	Ignition	~	~	7 pin	6	Black/Green	(+)	Ignition switch	~	
		Data	~	~	7 pin	2	Red/Blue	(DATA)	Ignition switch	~	
		Security Led	~	~	7 pin	5	Blue/Orange	~	Ignition switch	~	

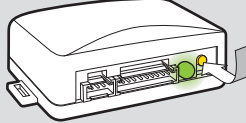
TYPE 2 - WIRING DIAGRAM



INSTALLATION MODE SELECTION

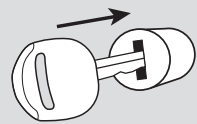
1  Press and release programming button to select installation mode.

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

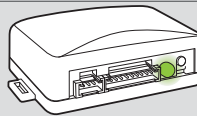
2  Press and hold programming button until LED turns solid GREEN to register selection.

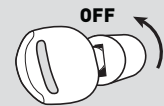
! After registration, follow Factory Reset Procedure to change installation mode and restart this procedure.

MODULE PROGRAMMING PROCEDURE

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.

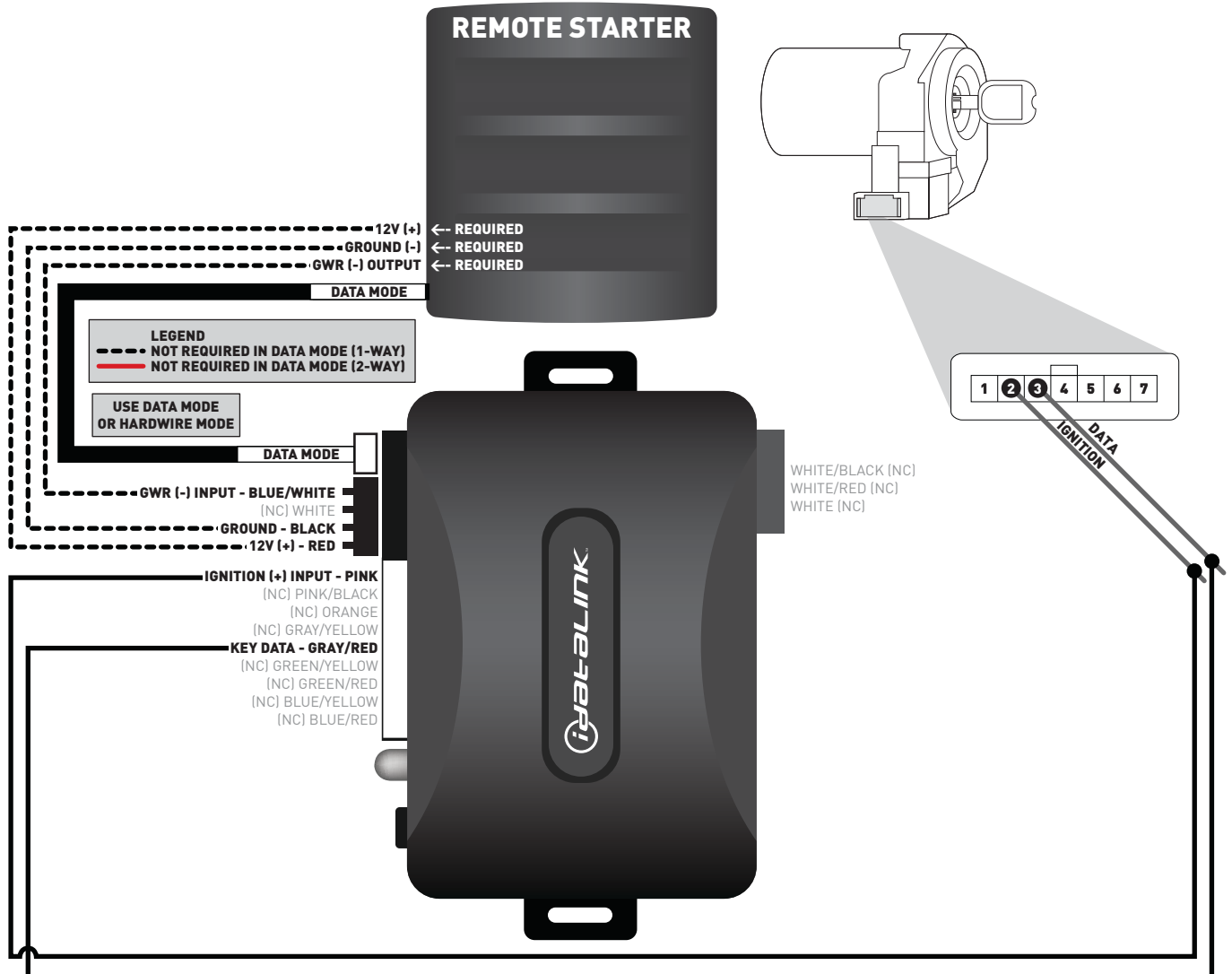
INSTALL TYPE SELECTION

MAKE	MODEL	YEAR	INSTALL TYPE
ACURA	CSX	06-11	1
	MDX	07-13	1
	RDX	07-13	1
	TL (without Keyless Access)	09-13	2
	TSX	09-13	2
HONDA	Accord	08-12	2
	Civic	06-11	1
	Civic	12-13	2
	Civic Hybrid	06-11	1
	Civic Hybrid	12-13	2
	CR-V	07-11	1
	CR-V	12-13	2
	CR-Z	11-13	1
	Fit	09-13	1
	Insight	10-13	1
	Odyssey	11-13	2
	Pilot	09-13	2

TYPE 1 - WIRE CROSS REFERENCE CHART

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
ACURA	CSX	06-11	Ignition	~	~	7 pin	2	Yellow	(+)	Ignition switch	~
			Data	~	~	7 pin	3	LtGreen	(DATA)	Ignition switch	~
	MDX	07-13	Ignition	~	~	7 pin	2	Brown	(+)	Ignition switch	~
			Data	~	~	7 pin	3	LtGreen	(DATA)	Ignition switch	~
	RDX	07-13	Ignition	~	~	7 pin	2	Yellow	(+)	Ignition switch	~
			Data	~	~	7 pin	3	LtGreen	(DATA)	Ignition switch	~
HONDA	Civic	06-11	Ignition	~	~	7 pin	2	Yellow	(+)	Ignition switch	~
			Data	~	~	7 pin	3	LtGreen	(DATA)	Ignition switch	~
	Civic Hybrid	06-11	Ignition	~	~	7 pin	2	Yellow	(+)	Ignition switch	~
			Data	~	~	7 pin	3	LtGreen	(DATA)	Ignition switch	~
	CR-V	07-11	Ignition	~	~	7 pin	2	Blue	(+)	Ignition switch	~
			Data	~	~	7 pin	3	LtGreen	(DATA)	Ignition switch	~
	CR-Z	11-13	Ignition	~	~	7 pin	2	Yellow	(+)	Ignition switch	~
			Data	~	~	7 pin	3	Pink	(DATA)	Ignition switch	~
	Fit	09-13	Ignition	~	~	7 pin	2	Red	(+)	Ignition switch	~
			Data	~	~	7 pin	3	Green	(DATA)	Ignition switch	~
	Insight	10-13	Ignition	~	~	7 pin	2	Red	(+)	Ignition switch	~
			Data	~	~	7 pin	3	LtGreen	(DATA)	Ignition switch	~

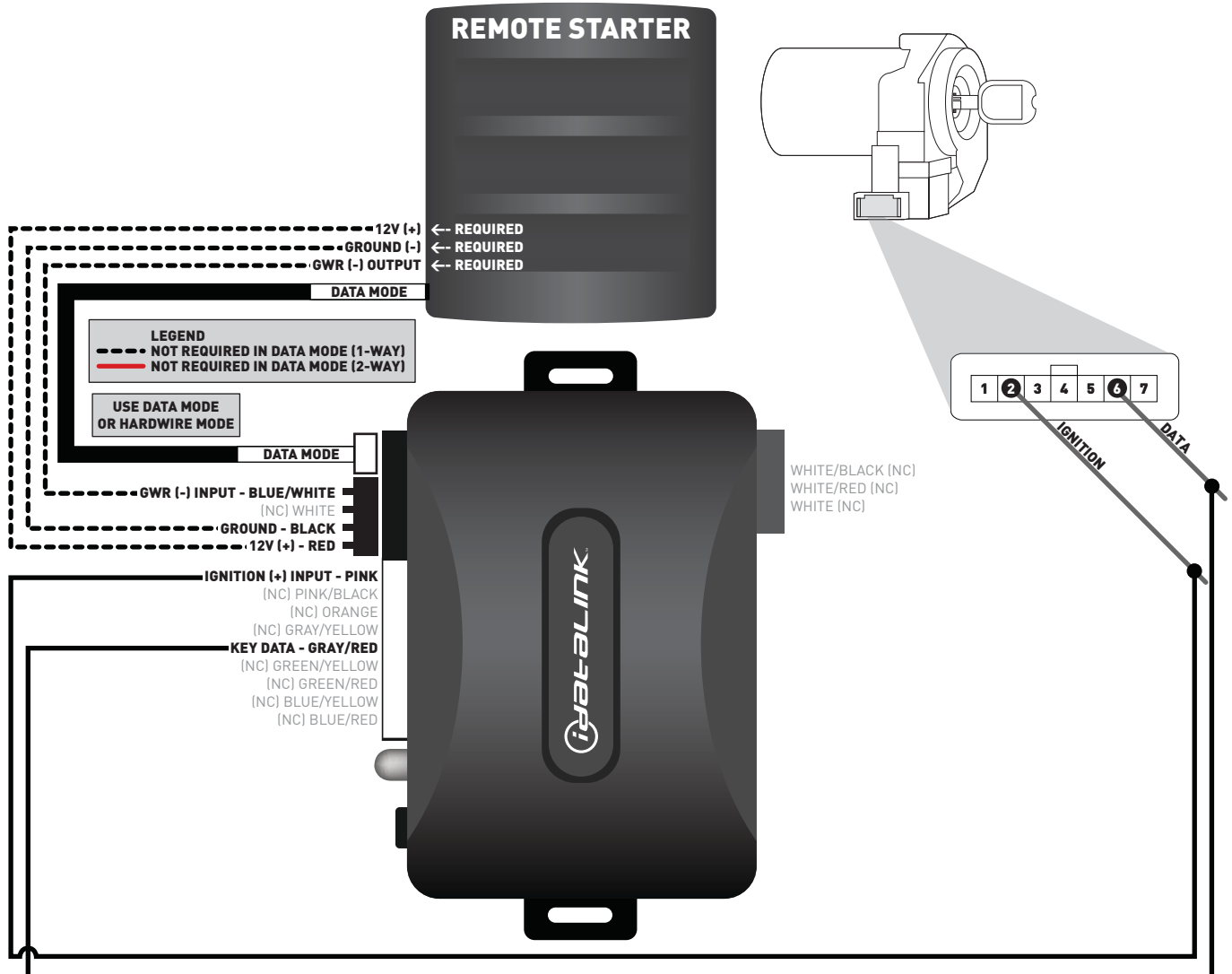
TYPE 1 - WIRING DIAGRAM



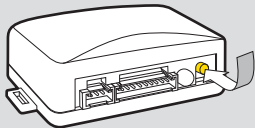
TYPE 2 - WIRE CROSS REFERENCE CHART



MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
ACURA	TL	09-13	Ignition	~	White	7 pin	2	Yellow	(+)	Ignition switch	~
			Key Data	~	White	7 pin	6	LtGreen	(DATA)	Ignition switch	~
	TSX	09-13	Ignition	~	White	7 pin	2	Yellow	(+)	Ignition switch	~
			Key Data	~	White	7 pin	6	LtGreen	(DATA)	Ignition switch	~
HONDA	Accord	08-12	Ignition	~	White	7 pin	2	Yellow	(+)	Ignition switch	~
			Key Data	~	White	7 pin	6	LtGreen	(DATA)	Ignition switch	~
	Civic	12-13	Ignition	~	Black	7 pin	2	Yellow	(+)	Ignition switch	~
			Key Data	~	Black	7 pin	6	LtGreen	(DATA)	Ignition switch	~
	Civic Hybrid	12-13	Ignition	~	Black	7 pin	2	Yellow	(+)	Ignition switch	~
			Key Data	~	Black	7 pin	6	LtGreen	(DATA)	Ignition switch	~
	CR-V	12-13	Ignition	~	Black	7 pin	2	DkBlue	(+)	Ignition switch	~
			Key Data	~	Black	7 pin	6	Yellow	(DATA)	Ignition switch	~
	Odyssey	11-13	Ignition	~	White	7 pin	2	Yellow	(+)	Ignition switch	~
			Key Data	~	White	7 pin	6	Purple	(DATA)	Ignition switch	~
	Pilot	09-13	Ignition	~	White	7 pin	2	Brown	(+)	Ignition switch	~
			Key Data	~	White	7 pin	6	Pink	(DATA)	Ignition switch	~

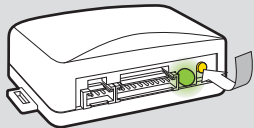
TYPE 2 - WIRING DIAGRAM



INSTALLATION MODE SELECTION

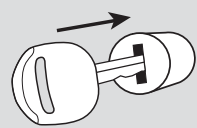
1  Press and release programming button to select installation mode.

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

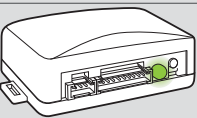
2  Press and hold programming button until LED turns solid GREEN to register selection.

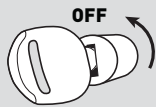
! After registration, follow Factory Reset Procedure to change installation mode and restart this procedure.

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.

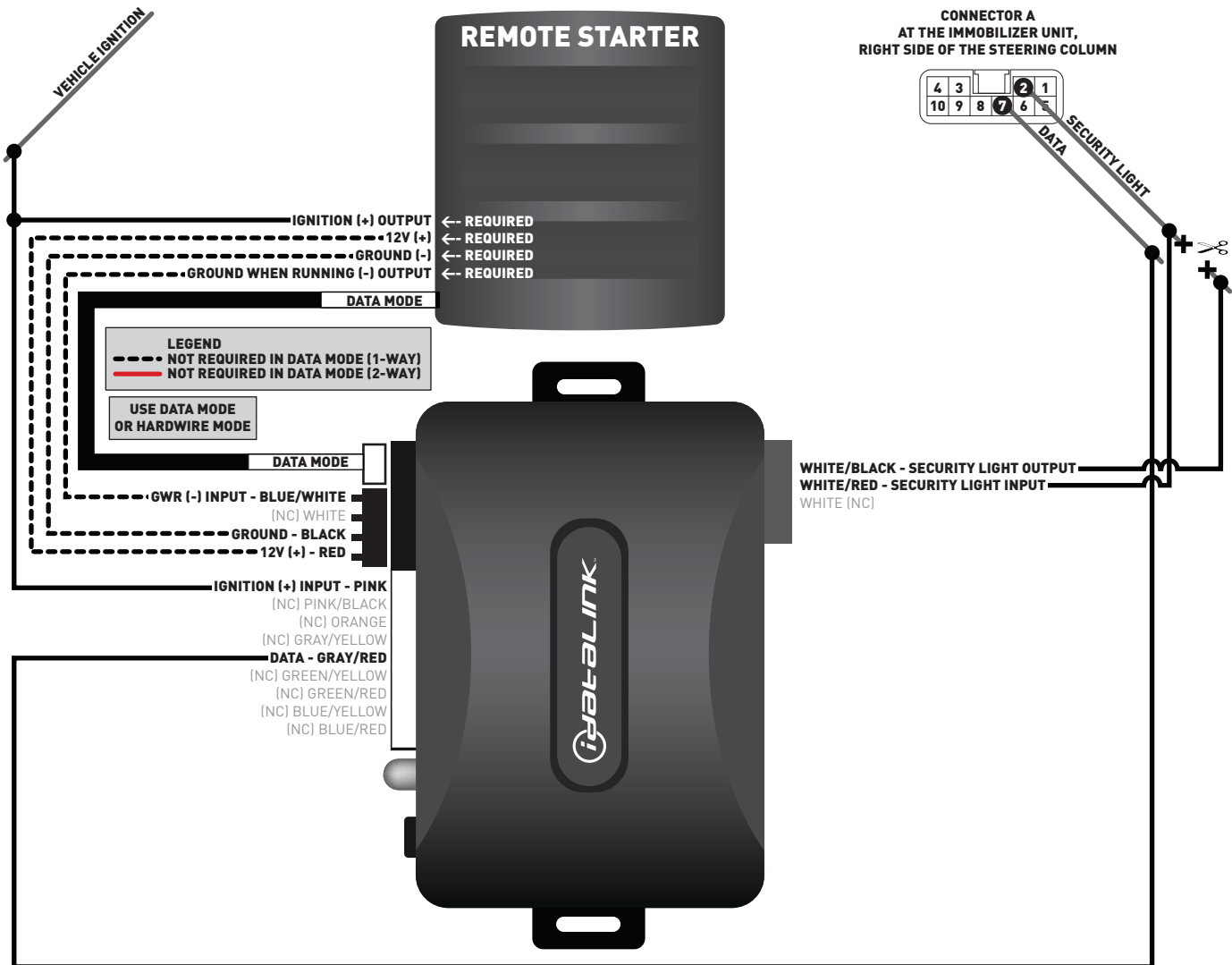
INSTALL TYPE SELECTION

MAKE	MODEL	YEAR	INSTALL TYPE	FEATURES	
				DATA IMMOBILIZER BYPASS	
KIA	Sedona	04-05	1	•	
	Sorento	04-06	1	•	
	Sportage V6 2.7L	05-07	2	•	
	Sportage V6 2.7L	08-10	6	•	
HYUNDAI	Tiburon V6 2.7L	03-08	3	•	
	Tucson V6 2.7L	05-07	2	•	
	Tucson V6 2.7L	08-09	5	•	
	XG300	01	4	•	
	XG350	02-05	4	•	

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
KIA	Sedona	04-05	Data	A	~	10 pin	07	Red	(DATA)	Right of steering column	~
			Security Light	A	~	10 pin	02	Green or Orange	~	Right of steering column	~
	Sorento	04-06	Data	A	~	10 pin	07	Blue	(DATA)	Right of steering column	~
			Security Light	A	~	10 pin	02	Blue/Orange	~	Right of steering column	~

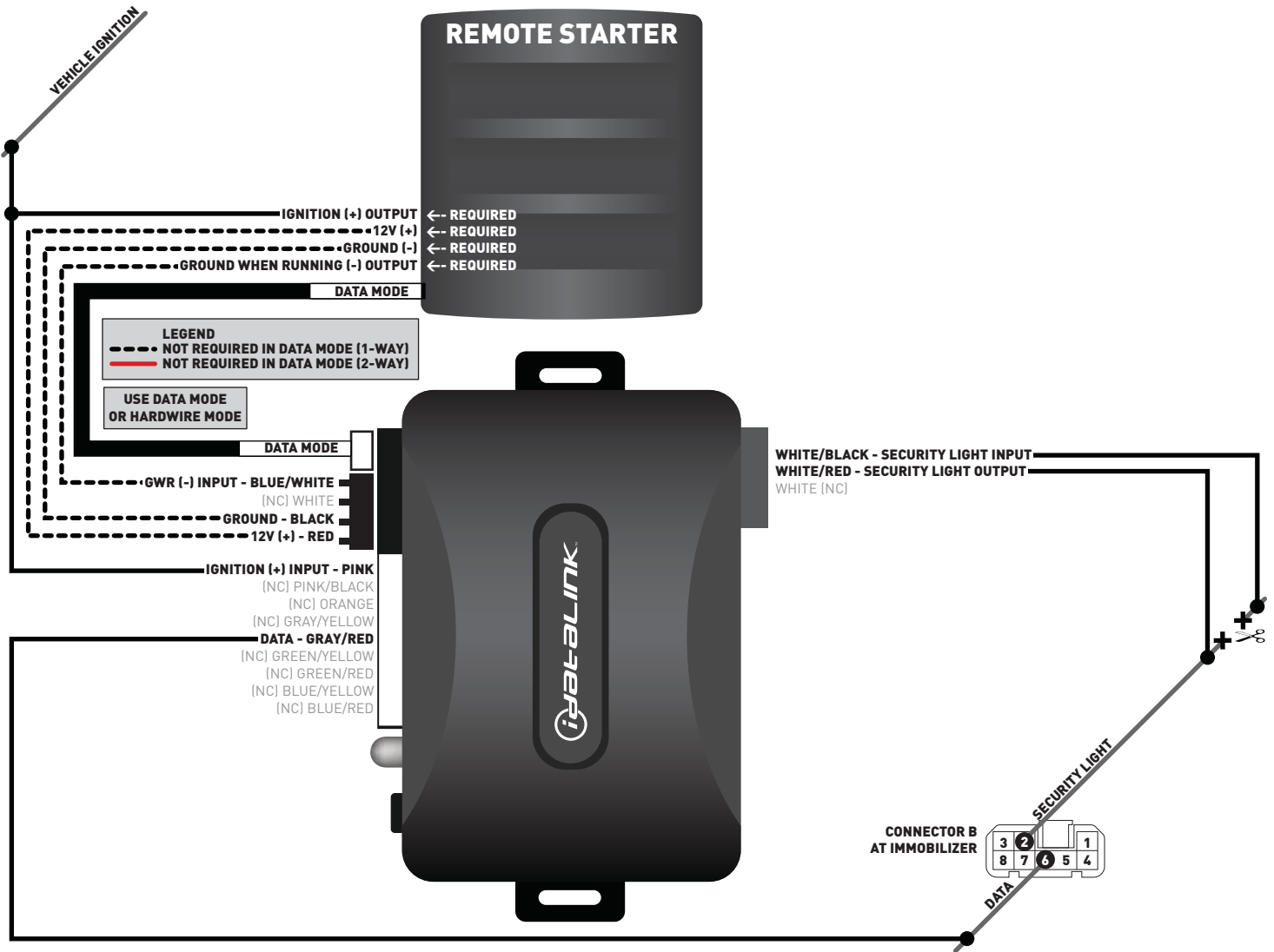
TYPE 1 - WIRING DIAGRAM



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
HYUNDAI	Tucson V6	05-07	Data	B	~	8 pin	06	Brown/Orange	(DATA)	Right of steering column	~
			Security Light	B	~	8 pin	02	White/Black	~	Right of steering column	~
KIA	Sportage V6	05-07	Data	B	~	8 pin	06	Brown/Orange	(DATA)	Left of steering column	~
			Security Light	B	~	8 pin	02	White/Black	~	Left of steering column	~

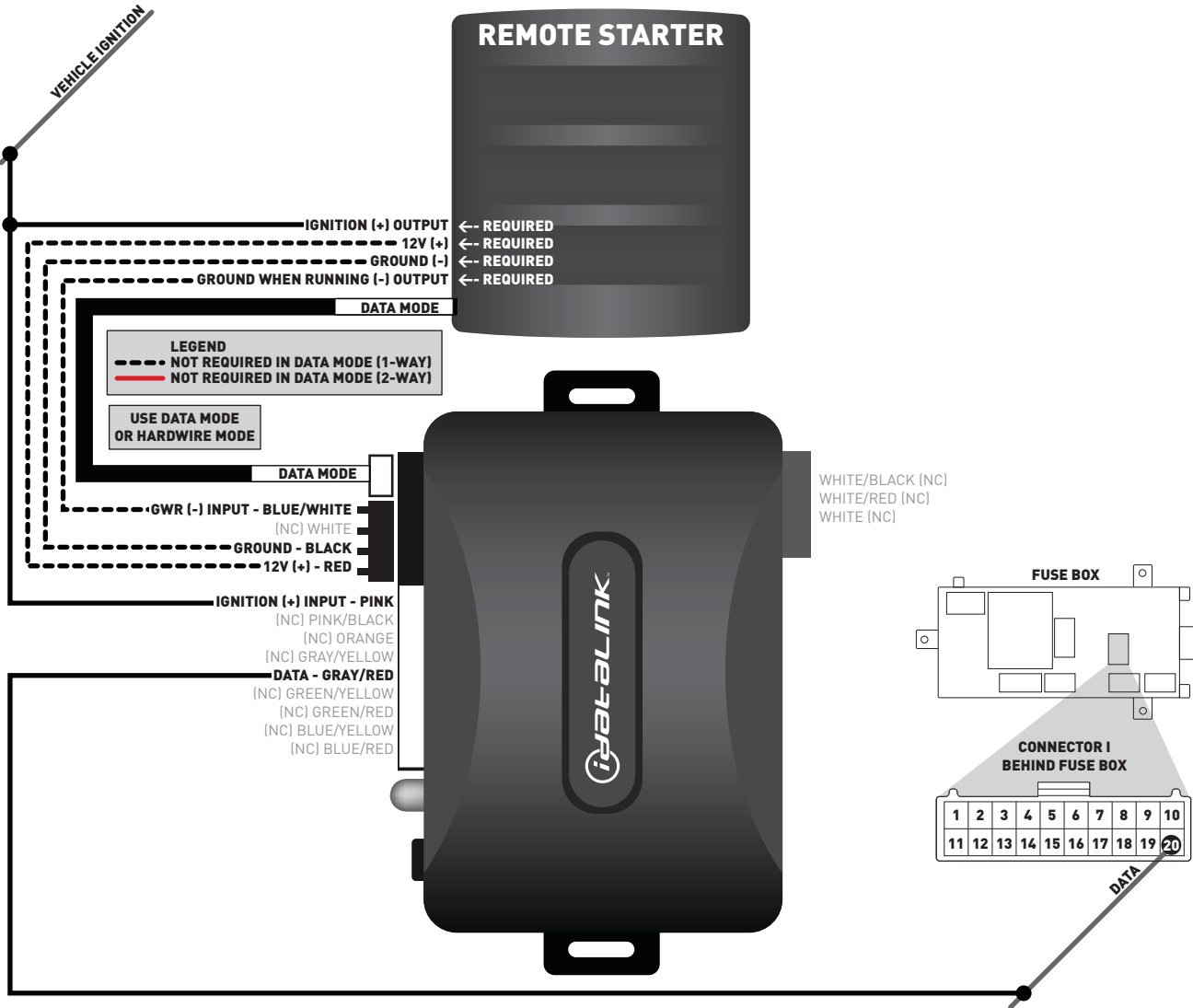
TYPE 2 - WIRING DIAGRAM



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
HYUNDAI	Tucson V6	03-06	Data	I	~	~	20	Blue/Orange	(DATA)	Behind fuse box - BCM	~

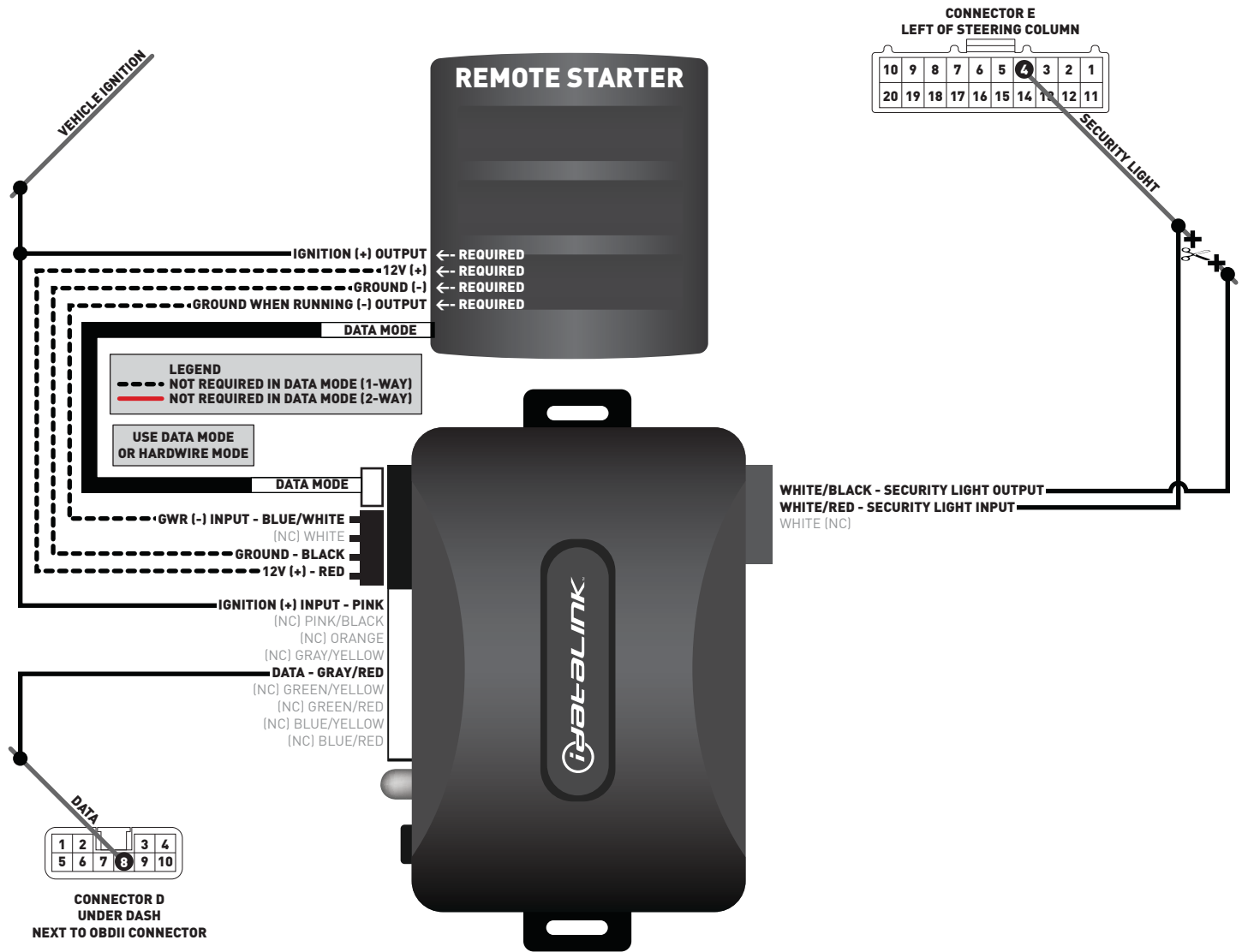
TYPE 3 - WIRING DIAGRAM



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
HYUNDAI	XG300	01	Data	D	~	10 pin	08	Green	(DATA)	Next to OBDII connector	~
			Security Light	E	~	20 pin	04	Brown/White or Pink	~	Left of steering column	~
	XG350	02-05	Data	D	~	10 pin	08	Green	(DATA)	Next to OBDII connector	~
			Security Light	E	~	20 pin	04	Brown/White or Pink	~	Left of steering column	~

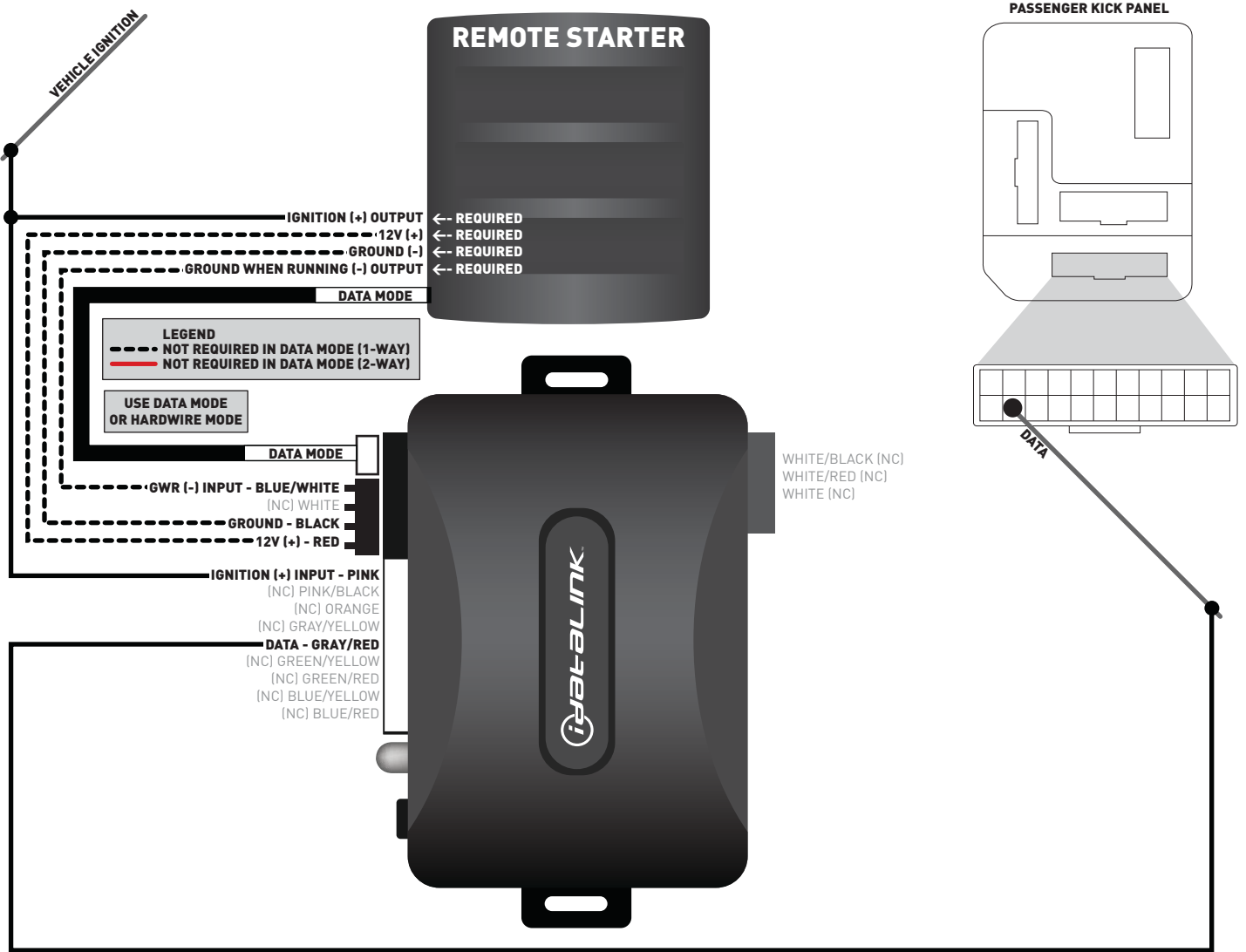
TYPE 4 - WIRING DIAGRAM



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
HYUNDAI	Tucson V6	08-09	Data	~	~	~	~	Brown/Orange	(DATA)	Passenger kick panel	~

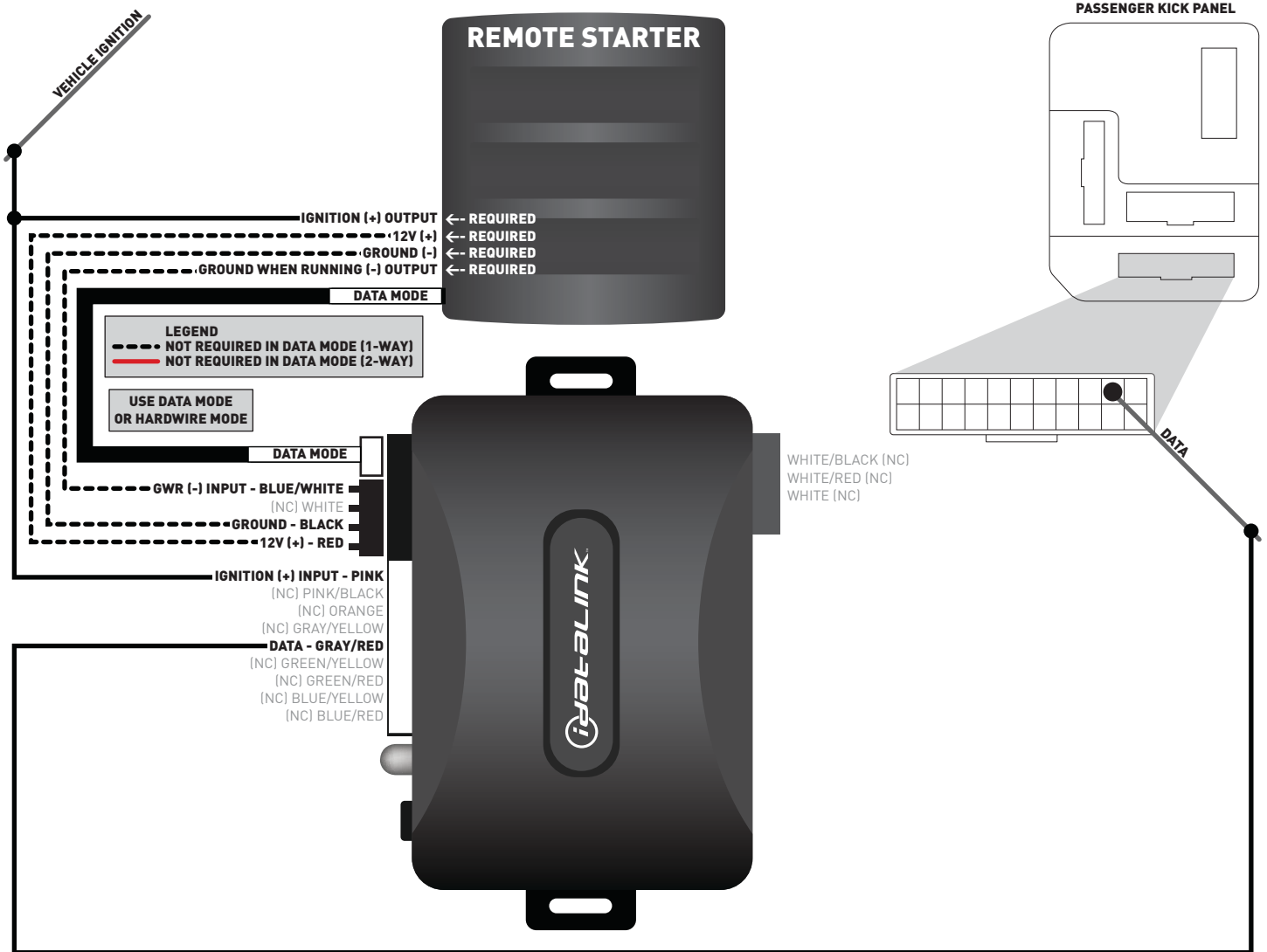
TYPE 5 - WIRING DIAGRAM



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
KIA	Sportage V6	08-10	Data	~	~	~	~	Brown	(DATA)	Passenger kick panel	~

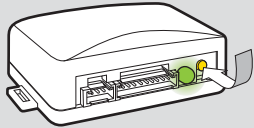
TYPE 6 - WIRING DIAGRAM



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

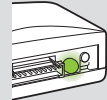
2  Press and hold programming button until LED turns solid GREEN to register selection.

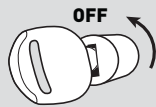
! After registration, follow Factory Reset Procedure to change installation mode and restart this procedure.

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.

INSTALL TYPE SELECTION

MAKE	MODEL	YEAR	INSTALL TYPE
TOYOTA	4Runner	99-02	1
	4Runner Regular key	03-10	2
	4Runner PTS	10	3
	Avalon	98-04	1
	Avalon	05-09	2 or 3
	Camry	98-02	1
	Camry	03-04	1 or 2
	Camry	05-06	2
	Camry	07-10	2 or 3
	Camry Hybrid	07-10	3
	Corolla	05-08	2
	Corolla	09-10	2 or 3
	FJ Cruiser	07-09	2
	Hiace	06-09	2
	Highlander	01-03	1
	Highlander	04-07	2
	Highlander	08-10	2 or 3
	Highlander Hybrid	06-07	5
	Highlander Hybrid	08-10	3
	Hilux	04-09	2
	Land Cruiser	98-02	1
	Land Cruiser	03-07	2
	Land Cruiser	08-10	3
	Matrix	05-10	2
	MR2 Spyder	00-05	1
	Prius	04-10	4
	RAV4	01-03	1
	RAV4	04-08	2
	RAV4	09-10	2 or 3
	Sequoia	01-07	1
	Sequoia	08-10	2
	Sienna	99-03	1
Sienna	04-10	2	
Solara	99-02	1	
Solara	03-04	1 or 2	
Solara	05-09	2	
Tacoma	05-10	2	
Tundra	06	1	
Tundra	07-09	2	
Venza Regular key only	09	2	
Yaris	06-11	2	

MAKE	MODEL	YEAR	INSTALL TYPE
LEXUS	ES 300	98-03	1
	ES 330	04-06	2
	ES 350	07-08	3
	GS 300	98-05	1
	GS 300	06	3
	GS 350	07-08	3
	GS 400	98-00	1
	GS 430	01-05	1
	GS 430	06-07	3
	GS 450 Hybrid	07-08	3
	GS 460	08	3
	GX 470	03-09	2
	IS 250	06-08	3
	IS 300	01-05	1
	IS 350	06-08	3
	IS-F	08	3
	LS 400	98-00	1
	LS 430	01-03	1
	LS 430	04-06	1 or 2
	LS 460	07-08	3
LS 600 Hybrid	08	3	
LX 470	98-02	1	
LX 470	03-07	2	
RX 300	99-03	1	
RX 330	04-06	2	
RX 350	07-09	2	
RX 400 Hybrid	06-08	5	
SC 300	98-00	1	
SC 400	98-00	1	
SC 430	02-09	1	
PONTIAC	Vibe	08-10	2
SCION	tC	05-10	2
	xB	08-10	2
	xD	08-10	2

NOTE

- I 1/2 - Type may vary by vehicle equipment level.
2/3 - Type may be standard key or push to start.
NC - Not covered
- II WARNING: Please advise that the install type numbers have changed since the last revision of this install guide.
- III Type 3 install provides simulated tach output for hybrid vehicles.

A hybrid vehicle might be running without its engine being running.
To determine whether a hybrid vehicle is running or not, look at the instrument cluster, radio and heating system.

“Push to Start” vehicles have a maximum take over time of 45 seconds: for security reasons, during the remote starter runtime, the driver must press the unlock button of the remote starter fob to trigger a 45 seconds time window which will permit him/her to step into the vehicle and press the brake pedal to complete take over.

TYPE 1 - WIRE CROSS REFERENCE CHART - 1 OF 5

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
TOYOTA	4Runner	99-02	AMP	A	~	5 pin	1	White/Blue	(DATA)	Ignition switch	~
			Code	A	~	5 pin	2	Gray/Red	(DATA)	Ignition switch	~
			RXCK	A	~	5 pin	3	Red/Black	(DATA)	Ignition switch	~
			TXCT	A	~	5 pin	4	Pink/Black	(DATA)	Ignition switch	~
			Ground	A	~	5 pin	5	Brown	(-)	Ignition switch	~
			Key Sense	A	~	5 pin	~	Yellow/Red	(-)	Ignition switch	~
	Avalon	98-99	AMP	A	~	5 pin	1	LtGreen	(DATA)	Ignition switch	~
			Code	A	~	5 pin	2	Black/Red	(DATA)	Ignition switch	~
			RXCK	A	~	5 pin	3	Yellow	(DATA)	Ignition switch	~
			TXCT	A	~	5 pin	4	Green	(DATA)	Ignition switch	~
			Ground	A	~	5 pin	5	White/Black	(-)	Ignition switch	~
			Key Sense	A	~	5 pin	~	Red/Yellow	(-)	Ignition switch	~
	Avalon	00-04	AMP	A	~	5 pin	1	Black/White	(DATA)	Ignition switch	~
			Code	A	~	5 pin	2	Pink/Green	(DATA)	Ignition switch	~
			RXCK	A	~	5 pin	3	Blue/Orange	(DATA)	Ignition switch	~
			TXCT	A	~	5 pin	4	Blue/Yellow	(DATA)	Ignition switch	~
			Ground	A	~	5 pin	5	White/Black	(-)	Ignition switch	~
			Key Sense	A	~	5 pin	~	Red/White	(-)	Ignition switch	~
	Camry	98-01	AMP	A	~	5 pin	1	Black/Yellow	(DATA)	Ignition switch	~
			Code	A	~	5 pin	2	Green/White	(DATA)	Ignition switch	~
			RXCK	A	~	5 pin	3	Red/Blue	(DATA)	Ignition switch	~
			TXCT	A	~	5 pin	4	Blue/Yellow	(DATA)	Ignition switch	~
			Ground	A	~	5 pin	5	White/Black	(-)	Ignition switch	~
			Key Sense	A	~	5 pin	~	Blue/Black	(-)	Ignition switch	~
	Camry (4 cyl)	02-04	AMP	B	~	7 pin	1	Black/Red	(DATA)	Ignition switch	~
			Code	B	~	7 pin	4	Green/White	(DATA)	Ignition switch	~
			RXCK	B	~	7 pin	3	Red/Blue	(DATA)	Ignition switch	~
			TXCT	B	~	7 pin	5	Blue/Yellow	(DATA)	Ignition switch	~
			Ground	B	~	7 pin	7	White/Black	(-)	Ignition switch	~
			Key Sense	B	~	7 pin	~	Blue	(-)	Ignition switch	~
Camry (6cyl)	02-03	AMP	B	~	7 pin	1	Black/Red	(DATA)	Ignition switch	~	
		Code	B	~	7 pin	4	Green/White	(DATA)	Ignition switch	~	
		RXCK	B	~	7 pin	3	Red/Blue	(DATA)	Ignition switch	~	
		TXCT	B	~	7 pin	5	Blue/Yellow	(DATA)	Ignition switch	~	
		Ground	B	~	7 pin	7	White/Black	(-)	Ignition switch	~	
		Key Sense	B	~	7 pin	~	Blue	(-)	Ignition switch	~	
Highlander	01-03	AMP	B	~	7 pin	1	White	(DATA)	Ignition switch	~	
		Code	B	~	7 pin	4	Gray/Blue	(DATA)	Ignition switch	~	
		RXCK	B	~	7 pin	3	Pink	(DATA)	Ignition switch	~	
		TXCT	B	~	7 pin	5	Gray	(DATA)	Ignition switch	~	
		Ground	B	~	7 pin	7	White/Black	(-)	Ignition switch	~	
		Key Sense	B	~	7 pin	~	Blue	(-)	Ignition switch	~	

TYPE 1 - WIRE CROSS REFERENCE CHART - 2 OF 5

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
TOYOTA	Land Cruiser	98-02	AMP	E	~	6 pin	1	Black/Yellow	(DATA)	Ignition switch	~
			Code	E	~	6 pin	2	Blue/Black	(DATA)	Ignition switch	~
			RXCK	E	~	6 pin	3	Purple/Green	(DATA)	Ignition switch	~
			TXCT	E	~	6 pin	4	Red/Yellow	(DATA)	Ignition switch	~
			Ground	E	~	6 pin	5	White/Black	(-)	Ignition switch	~
			Key Sense	E	~	6 pin	~	Red/Black	(-)	Ignition switch	~
	MR2 Spyder	00-05	AMP	C	~	5 pin	5	Black	(DATA)	Ignition switch	~
			Code	C	~	5 pin	2	Blue/Yellow	(DATA)	Ignition switch	~
			RXCK	C	~	5 pin	4	Yellow	(DATA)	Ignition switch	~
			TXCT	C	~	5 pin	1	Blue/Black	(DATA)	Ignition switch	~
			Ground	C	~	5 pin	3	White/Black	(-)	Ignition switch	~
			Key Sense	C	~	5 pin	~	Yellow/Red	(-)	Ignition switch	~
	RAV4	01-03	AMP	C	~	5 pin	5	Black/Red	(DATA)	Ignition switch	~
			Code	C	~	5 pin	2	Yellow/Green	(DATA)	Ignition switch	~
			RXCK	C	~	5 pin	4	Yellow	(DATA)	Ignition switch	~
			TXCT	C	~	5 pin	1	Yellow/Black	(DATA)	Ignition switch	~
			Ground	C	~	5 pin	3	White/Black	(-)	Ignition switch	~
			Key Sense	C	~	5 pin	~	Blue/Red	(-)	Ignition switch	~
	Sequoia	01-02	AMP	D	~	6 pin	1	Black/Red	(DATA)	Ignition switch	~
			Code	D	~	6 pin	4	Red/Yellow	(DATA)	Ignition switch	~
			RXCK	D	~	6 pin	5	LtGreen	(DATA)	Ignition switch	~
			TXCT	D	~	6 pin	6	Yellow/Green	(DATA)	Ignition switch	~
			Ground	D	~	6 pin	2	Orange	(-)	Ignition switch	~
			Key Sense	D	~	6 pin	~	Yellow/Green	(-)	Ignition switch	~
	Sequoia	03-07	AMP	D	~	6 pin	1	Gray/Black	(DATA)	Ignition switch	~
			Code	D	~	6 pin	4	Red/Yellow	(DATA)	Ignition switch	~
			RXCK	D	~	6 pin	5	LtGreen	(DATA)	Ignition switch	~
			TXCT	D	~	6 pin	6	Yellow/Green	(DATA)	Ignition switch	~
			Ground	D	~	6 pin	2	Gray/LtBlue	(-)	Ignition switch	~
			Key Sense	D	~	6 pin	~	Yellow/Green	(-)	Ignition switch	~
Sienna	99-03	AMP	A	~	5 pin	1	Black/Red	(DATA)	Ignition switch	~	
		Code	A	~	5 pin	2	Brown/White	(DATA)	Ignition switch	~	
		RXCK	A	~	5 pin	3	Brown/Red	(DATA)	Ignition switch	~	
		TXCT	A	~	5 pin	4	Brown/Yellow	(DATA)	Ignition switch	~	
		Ground	A	~	5 pin	5	White/Black	(-)	Ignition switch	~	
		Key Sense	A	~	5 pin	~	Blue/Black	(-)	Ignition switch	~	
Solara	99-03	AMP	A	~	5 pin	1	Red	(DATA)	Ignition switch	~	
		Code	A	~	5 pin	2	Green/White	(DATA)	Ignition switch	~	
		RXCK	A	~	5 pin	3	Red/Blue	(DATA)	Ignition switch	~	
		TXCT	A	~	5 pin	4	Blue/Yellow	(DATA)	Ignition switch	~	
		Ground	A	~	5 pin	5	White/Black	(-)	Ignition switch	~	
		Key Sense	A	~	5 pin	~	Blue/Black	(-)	Ignition switch	~	

TYPE 1 - WIRE CROSS REFERENCE CHART - 3 OF 5

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
TOYOTA	Tundra S. Cab	06	AMP	D	~	6 pin	1	Red	(DATA)	Ignition switch	~
			Code	D	~	6 pin	3	Green	(DATA)	Ignition switch	~
			RXCK	D	~	6 pin	4	Blue/Red	(DATA)	Ignition switch	~
			TXCT	D	~	6 pin	5	Gray	(DATA)	Ignition switch	~
			Ground	D	~	6 pin	2	Pink	(-)	Ignition switch	~
			Key Sense	D	~	6 pin	~	Pink/Black	(-)	Ignition switch	~
	Tundra D. Cab	06	AMP	D	~	6 pin	1	White	(DATA)	Ignition switch	~
			Code	D	~	6 pin	4	Green	(DATA)	Ignition switch	~
			RXCK	D	~	6 pin	5	Red	(DATA)	Ignition switch	~
			TXCT	D	~	6 pin	6	Black	(DATA)	Ignition switch	~
			Ground	D	~	6 pin	2	Gray	(-)	Ignition switch	~
			Key Sense	D	~	6 pin	~	Yellow/Green	(-)	Ignition switch	~
LEXUS	ES300	98-01	AMP	A	~	5 pin	1	Black/Yellow	(DATA)	Ignition switch	~
			Code	A	~	5 pin	2	Green/White	(DATA)	Ignition switch	~
			RXCK	A	~	5 pin	3	Red/Blue	(DATA)	Ignition switch	~
			TXCT	A	~	5 pin	4	Blue/Yellow	(DATA)	Ignition switch	~
			Ground	A	~	5 pin	5	White/Black	(-)	Ignition switch	~
			Key Sense	A	~	5 pin	~	Blue/Black	(-)	Ignition switch	~
	ES300	02-03	AMP	B	~	7 pin	1	Black/Red	(DATA)	Ignition switch	~
			Code	B	~	7 pin	4	Green/White	(DATA)	Ignition switch	~
			RXCK	B	~	7 pin	3	Red/Blue	(DATA)	Ignition switch	~
			TXCT	B	~	7 pin	5	Blue/Yellow	(DATA)	Ignition switch	~
			Ground	B	~	7 pin	7	White/Black	(-)	Ignition switch	~
			Key Sense	B	~	7 pin	~	Blue	(-)	Ignition switch	~
	GS 300	98-00	AMP	E	~	6 pin	1	Black/Red	(DATA)	Ignition switch	~
			Code	E	~	6 pin	2	Green/Black	(DATA)	Ignition switch	~
			RXCK	E	~	6 pin	3	Black/White	(DATA)	Ignition switch	~
			TXCT	E	~	6 pin	4	Blue/Red	(DATA)	Ignition switch	~
			Ground	E	~	6 pin	5	White/Black	(-)	Ignition switch	~
			Key Sense	E	~	6 pin	~	Yellow	(-)	Ignition switch	~
	GS 300	01-05	AMP	A	~	5 pin	1	Black/Red	(DATA)	Ignition switch	~
			Code	A	~	5 pin	2	Green/Black	(DATA)	Ignition switch	~
			RXCK	A	~	5 pin	3	Black/White	(DATA)	Ignition switch	~
			TXCT	A	~	5 pin	4	Blue/Red	(DATA)	Ignition switch	~
			Ground	A	~	5 pin	5	White/Black	(-)	Ignition switch	~
			Key Sense	A	~	5 pin	~	Yellow	(-)	Ignition switch	~
GS 400	98-00	AMP	E	~	6 pin	1	Black/Red	(DATA)	Ignition switch	~	
		Code	E	~	6 pin	2	Green/Black	(DATA)	Ignition switch	~	
		RXCK	E	~	6 pin	3	Black/White	(DATA)	Ignition switch	~	
		TXCT	E	~	6 pin	4	Blue/Red	(DATA)	Ignition switch	~	
		Ground	E	~	6 pin	5	White/Black	(-)	Ignition switch	~	
		Key Sense	E	~	6 pin	~	Yellow	(-)	Ignition switch	~	

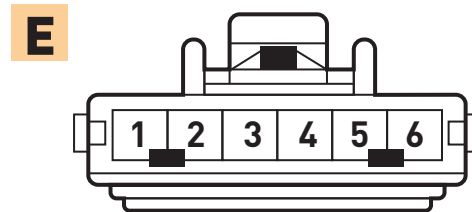
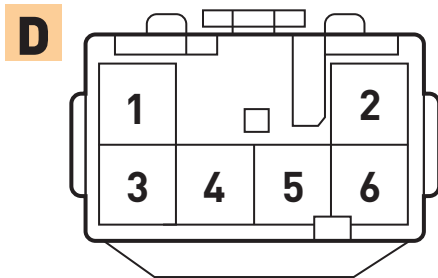
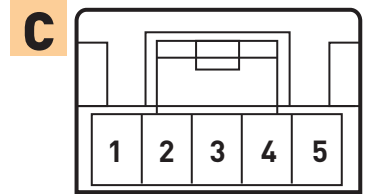
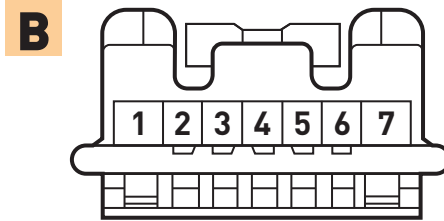
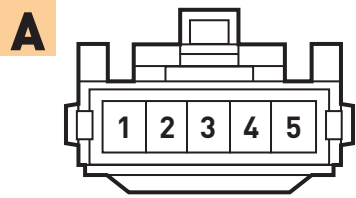
TYPE 1 - WIRE CROSS REFERENCE CHART - 4 OF 5

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
LEXUS	GS 430	01-05	AMP	A	~	5 pin	1	Black/Red	(DATA)	Ignition switch	~
			Code	A	~	5 pin	2	Green/Black	(DATA)	Ignition switch	~
			RXCK	A	~	5 pin	3	Black/White	(DATA)	Ignition switch	~
			TXCT	A	~	5 pin	4	Blue/Red	(DATA)	Ignition switch	~
			Ground	A	~	5 pin	5	White/Black	(-)	Ignition switch	~
			Key Sense	A	~	5 pin	~	Yellow	(-)	Ignition switch	~
	IS 300	01	AMP	A	~	5 pin	1	Black/Red	(DATA)	Ignition switch	~
			Code	A	~	5 pin	2	Green	(DATA)	Ignition switch	~
			RXCK	A	~	5 pin	3	Purple	(DATA)	Ignition switch	~
			TXCT	A	~	5 pin	4	Pink	(DATA)	Ignition switch	~
			Ground	A	~	5 pin	5	White/Black	(-)	Ignition switch	~
			Key Sense	A	~	5 pin	~	Black/Yellow	(-)	Ignition switch	~
	IS 300	02-05	AMP	A	~	5 pin	1	Black/Red	(DATA)	Ignition switch	~
			Code	A	~	5 pin	2	Green/Black	(DATA)	Ignition switch	~
			RXCK	A	~	5 pin	3	Purple	(DATA)	Ignition switch	~
			TXCT	A	~	5 pin	4	Pink/Black	(DATA)	Ignition switch	~
			Ground	A	~	5 pin	5	White/Black	(-)	Ignition switch	~
			Key Sense	A	~	5 pin	~	Black/Yellow	(-)	Ignition switch	~
	LS 400	98-00	AMP	A	~	5 pin	1	White	(DATA)	Ignition switch	~
			Code	A	~	5 pin	2	Red/White	(DATA)	Ignition switch	~
			RXCK	A	~	5 pin	3	Red/Black	(DATA)	Ignition switch	~
			TXCT	A	~	5 pin	4	Red	(DATA)	Ignition switch	~
			Ground	A	~	5 pin	5	White/Black	(-)	Ignition switch	~
			Key Sense	A	~	5 pin	~	Yellow	(-)	Ignition switch	~
	LS 430	01-03	AMP	B	~	7 pin	1	Orange	(DATA)	Ignition switch	~
			Code	B	~	7 pin	4	Red/White	(DATA)	Ignition switch	~
			RXCK	B	~	7 pin	3	White/Red	(DATA)	Ignition switch	~
			TXCT	B	~	7 pin	5	LtBlue/Black	(DATA)	Ignition switch	~
			Ground	B	~	7 pin	7	Violet	(-)	Ignition switch	~
			Key Sense	B	~	7 pin	~	LtGreen/Black	(-)	Ignition switch	~
LS 430 (Smartkey)	04-06	AMP	B	~	7 pin	1	Red	(DATA)	Ignition switch	~	
		Code	B	~	7 pin	4	Orange	(DATA)	Ignition switch	~	
		RXCK	B	~	7 pin	3	LtBlue	(DATA)	Ignition switch	~	
		TXCT	B	~	7 pin	5	Yellow/Black	(DATA)	Ignition switch	~	
		Ground	B	~	7 pin	7	Violet	(-)	Ignition switch	~	
		Key Sense	B	~	7 pin	~	LtGreen/Black	(-)	Ignition switch	~	
LX 470	98-02	AMP	E	~	6 pin	1	Black/Yellow	(DATA)	Ignition switch	~	
		Code	E	~	6 pin	2	Blue/Black	(DATA)	Ignition switch	~	
		RXCK	E	~	6 pin	3	Purple/Green	(DATA)	Ignition switch	~	
		TXCT	E	~	6 pin	4	Red/Yellow	(DATA)	Ignition switch	~	
		Ground	E	~	6 pin	5	White/Black	(-)	Ignition switch	~	
		Key Sense	E	~	6 pin	~	Red/White	(-)	Ignition switch	~	

TYPE 1 - WIRE CROSS REFERENCE CHART - 5 OF 5

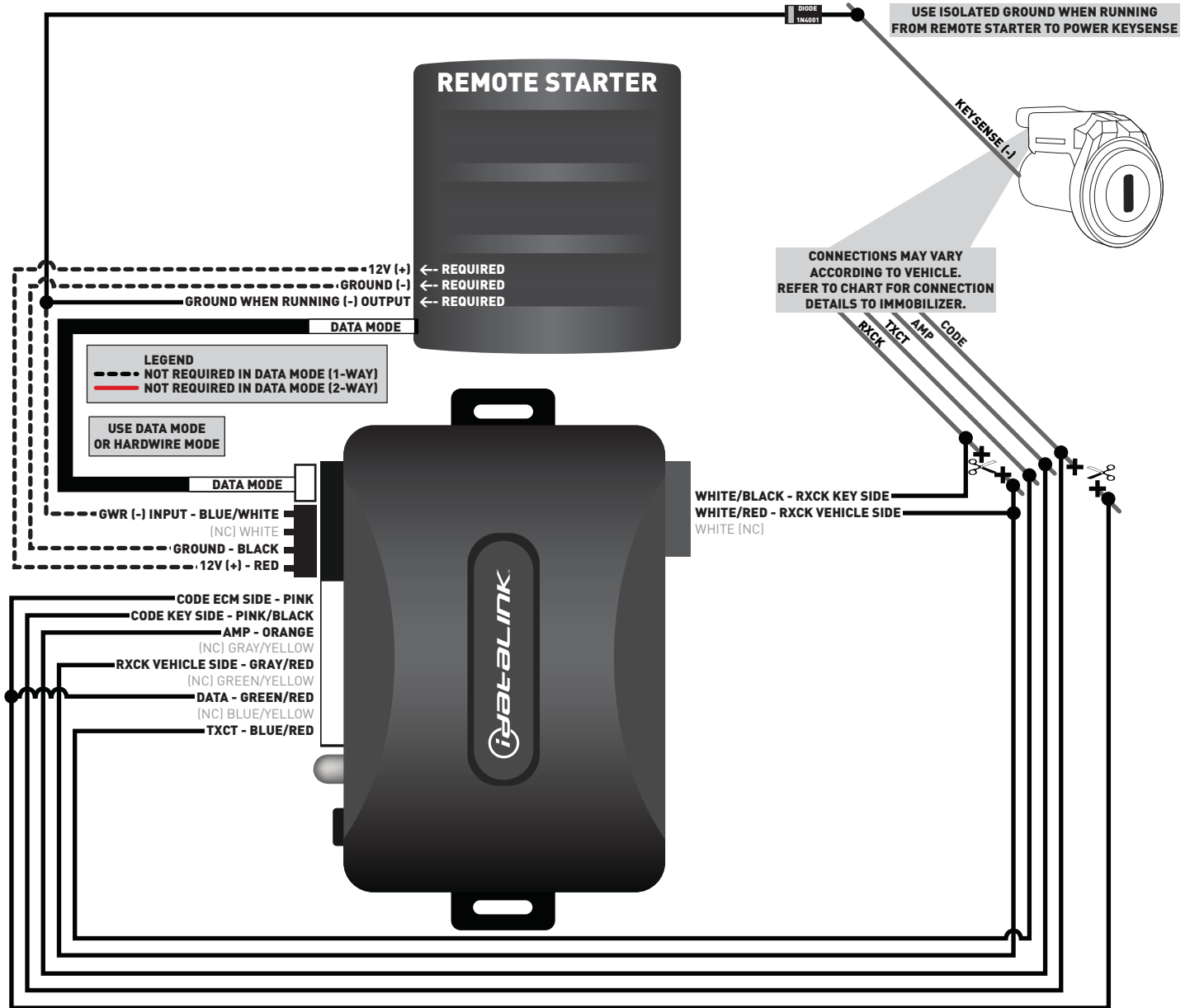
MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
LEXUS	RX 300	99	AMP	A	~	5 pin	1	Blue/White	(DATA)	Ignition switch	~
			Code	A	~	5 pin	2	Purple	(DATA)	Ignition switch	~
			RXCK	A	~	5 pin	3	Black	(DATA)	Ignition switch	~
			TXCT	A	~	5 pin	4	Gray	(DATA)	Ignition switch	~
			Ground	A	~	5 pin	5	White/Black	(-)	Ignition switch	~
			Key Sense	A	~	5 pin	~	Blue	(-)	Ignition switch	~
	RX 300	00	AMP	A	~	5 pin	1	Blue/White	(DATA)	Ignition switch	~
			Code	A	~	5 pin	2	Purple	(DATA)	Ignition switch	~
			RXCK	A	~	5 pin	3	Pink	(DATA)	Ignition switch	~
			TXCT	A	~	5 pin	4	Gray	(DATA)	Ignition switch	~
			Ground	A	~	5 pin	5	White/Black	(-)	Ignition switch	~
			Key Sense	A	~	5 pin	~	Blue	(-)	Ignition switch	~
	RX 300	01-03	AMP	A	~	5 pin	1	Black/Red	(DATA)	Ignition switch	~
			Code	A	~	5 pin	2	Purple	(DATA)	Ignition switch	~
			RXCK	A	~	5 pin	3	Pink	(DATA)	Ignition switch	~
			TXCT	A	~	5 pin	4	Gray	(DATA)	Ignition switch	~
			Ground	A	~	5 pin	5	White/Black	(-)	Ignition switch	~
			Key Sense	A	~	5 pin	~	Blue	(-)	Ignition switch	~
	SC 300	98-00	AMP	A	~	5 pin	1	Black/Red	(DATA)	Ignition switch	~
			Code	A	~	5 pin	2	Black/Orange	(DATA)	Ignition switch	~
			RXCK	A	~	5 pin	3	Blue	(DATA)	Ignition switch	~
			TXCT	A	~	5 pin	4	Green/Orange	(DATA)	Ignition switch	~
			Ground	A	~	5 pin	5	White/Green	(-)	Ignition switch	~
			Key Sense	A	~	5 pin	~	Yellow	(-)	Ignition switch	~
SC 400	98-00	AMP	A	~	5 pin	1	Black/Red	(DATA)	Ignition switch	~	
		Code	A	~	5 pin	2	Black/Orange	(DATA)	Ignition switch	~	
		RXCK	A	~	5 pin	3	Blue	(DATA)	Ignition switch	~	
		TXCT	A	~	5 pin	4	Green/Orange	(DATA)	Ignition switch	~	
		Ground	A	~	5 pin	5	White/Green	(-)	Ignition switch	~	
		Key Sense	A	~	5 pin	~	Yellow	(-)	Ignition switch	~	
SC 430	02-09	AMP	A	~	5 pin	1	Yellow	(DATA)	Ignition switch	~	
		Code	A	~	5 pin	2	Violet/White	(DATA)	Ignition switch	~	
		RXCK	A	~	5 pin	3	Red	(DATA)	Ignition switch	~	
		TXCT	A	~	5 pin	4	Green	(DATA)	Ignition switch	~	
		Ground	A	~	5 pin	5	Violet	(-)	Ignition switch	~	
		Key Sense	A	~	5 pin	~	LtGreen/Black	(-)	Ignition switch	~	

TYPE 1 - COMPONENT LOCATOR - CONNECTORS



Connector located at immobilizer near key barrel or 8 inches lower on the immobilizer harness.

TYPE 1 - WIRING DIAGRAM

REQUIRED: 1X DIODE

TYPE 2 - WIRE CROSS REFERENCE CHART - 1 OF 3

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
TOYOTA	4Runner	03-10	Code	~	~	7 pin	4	Pink/Green	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	LtGreen/Red	(DATA)	Ignition switch	~
			Keysense	~	~	7 pin	~	Green/Yellow	(-)	Ignition switch	~
	Avalon	05-09	Code	~	~	7 pin	4	LtGreen	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	Brown	(DATA)	Ignition switch	~
			Keysense	~	~	7 pin	~	Black	(-)	Ignition switch	~
	Camry	03-06	Code	~	~	7 pin	4	Green/White	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	Blue/Yellow	(DATA)	Ignition switch	~
			Keysense	~	~	7 pin	~	Blue	(-)	Ignition switch	~
	Camry	07-10	Code	~	~	7 pin	4	Brown	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	Red	(DATA)	Ignition switch	~
			Keysense	~	~	7 pin	~	Blue	(-)	Ignition switch	~
	Corolla	05-08	Code	~	~	7 pin	4	Blue	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	Green	(DATA)	Ignition switch	~
			Keysense	~	~	7 pin	~	Blue/Black	(-)	Ignition switch	~
	Corolla (Japan)	09-10	Code	~	~	7 pin	4	LtBlue	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	Beige	(DATA)	Ignition switch	~
			Keysense	~	~	7 pin	~	LtBlue	(-)	Ignition switch	~
	Corolla (Canada)	09-10	Code	~	~	7 pin	4	Pink	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	Green	(DATA)	Ignition switch	~
			Keysense	~	~	7 pin	~	LtBlue	(-)	Ignition switch	~
	FJ Cruiser	07-09	Code	~	~	7 pin	4	Pink/Green	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	LtGreen/Red	(DATA)	Ignition switch	~
			Keysense	~	~	7 pin	~	Green/Yellow	(-)	Ignition switch	~
	Hiace	06-09	Code	~	~	7 pin	4	Blue	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	Yellow	(DATA)	Ignition switch	~
			Keysense	~	~	7 pin	~	Yellow/Black	(-)	Ignition switch	~
Highlander	04-07	Code	~	~	7 pin	4	Gray	(DATA)	Ignition switch	~	
		TXCT	~	~	7 pin	5	White	(DATA)	Ignition switch	~	
		Keysense	~	~	7 pin	~	Green	(-)	Ignition switch	~	
Highlander	08-10	Code	~	~	7 pin	4	Red	(DATA)	Ignition switch	~	
		TXCT	~	~	7 pin	5	LtBlue	(DATA)	Ignition switch	~	
		Keysense	~	~	7 pin	~	LtBlue	(-)	Ignition switch	~	
Hilux	04-09	Code	~	~	7 pin	4	LtBlue/Yellow	(DATA)	Ignition switch	~	
		TXCT	~	~	7 pin	5	LtBlue/Black	(DATA)	Ignition switch	~	
		Keysense	~	~	7 pin	~	Green/Yellow	(-)	Ignition switch	~	
Land Cruiser	03-07	Code	~	~	7 pin	4	Blue/Black	(DATA)	Ignition switch	~	
		TXCT	~	~	7 pin	5	Violet/Green	(DATA)	Ignition switch	~	
		Keysense	~	~	7 pin	~	Red/Black	(-)	Ignition switch	~	
Matrix	05-08	Code	~	~	7 pin	4	Blue	(DATA)	Ignition switch	~	
		TXCT	~	~	7 pin	5	Green	(DATA)	Ignition switch	~	
		Keysense	~	~	7 pin	~	Blue/Black	(-)	Ignition switch	~	

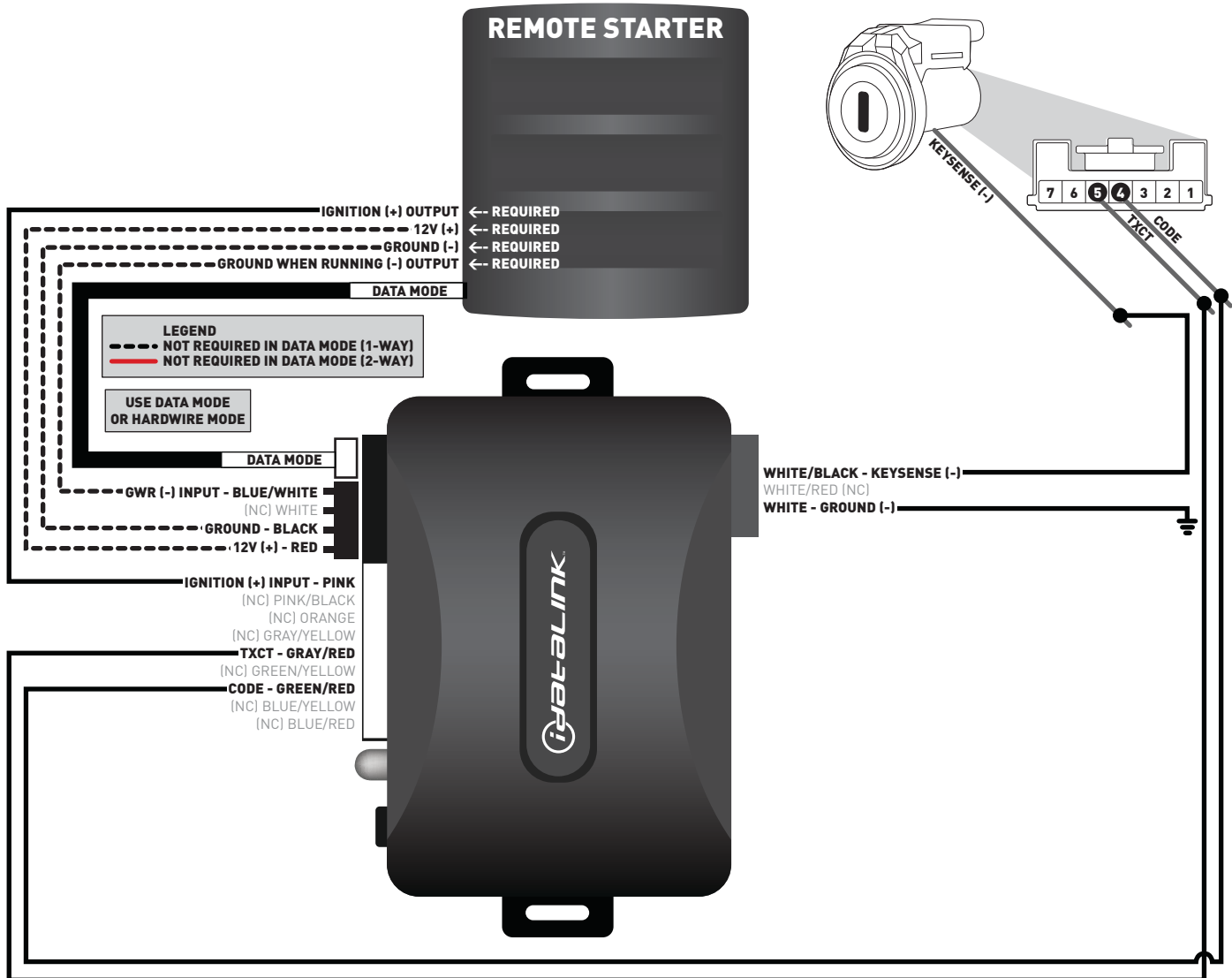
TYPE 2 - WIRE CROSS REFERENCE CHART - 2 OF 3

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
TOYOTA	Matrix	09-10	Code	~	~	7 pin	4	LtBlue	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	Beige	(DATA)	Ignition switch	~
			Keysense	~	~	7 pin	~	Blue	(-)	Ignition switch	~
	RAV4	04-05	Code	~	~	7 pin	4	Blue/Red	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	Pink	(DATA)	Ignition switch	~
			Keysense	~	~	7 pin	~	Blue/Red	(-)	Ignition switch	~
	RAV4	06-10	Code	~	~	7 pin	4	Pink	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	Green	(DATA)	Ignition switch	~
			Keysense	~	~	7 pin	~	Blue	(-)	Ignition switch	~
	Sequoia	08-10	Code	~	~	7 pin	4	LtGreen	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	Blue	(DATA)	Ignition switch	~
			Keysense	~	~	7 pin	~	Gray	(-)	Ignition switch	~
	Sienna	04-10	Code	~	~	7 pin	4	Yellow	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	Yellow/Red	(DATA)	Ignition switch	~
			Keysense	~	~	7 pin	~	Blue/Black	(-)	Ignition switch	~
	Solara (Convertible)	04-09	Code	~	~	7 pin	4	Green/White	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	Blue/Yellow	(DATA)	Ignition switch	~
			Keysense	~	~	7 pin	~	Blue	(-)	Ignition switch	~
	Solara (Coupe)	04-09	Code	~	~	7 pin	4	Yellow	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	Yellow/Red	(DATA)	Ignition switch	~
			Keysense	~	~	7 pin	~	Blue	(-)	Ignition switch	~
Tacoma	05-10	Code	~	~	7 pin	4	Pink/Green	(DATA)	Ignition switch	~	
		TXCT	~	~	7 pin	5	LtGreen/Red	(DATA)	Ignition switch	~	
		Keysense	~	~	7 pin	~	Green/Black	(-)	Ignition switch	~	
Tundra	07-09	Code	~	~	7 pin	4	LtGreen	(DATA)	Ignition switch	~	
		TXCT	~	~	7 pin	5	Blue	(DATA)	Ignition switch	~	
		Keysense	~	~	7 pin	~	Gray	(-)	Ignition switch	~	
Venza	09	Code	~	~	7 pin	4	LtGreen	(DATA)	Ignition switch	~	
		TXCT	~	~	7 pin	5	Brown	(DATA)	Ignition switch	~	
		Keysense	~	~	7 pin	~	Brown	(-)	Ignition switch	~	
Yaris	06-11	Code	~	~	7 pin	4	Green	(DATA)	Ignition switch	~	
		TXCT	~	~	7 pin	5	Violet	(DATA)	Ignition switch	~	
		Keysense	~	~	7 pin	~	Yellow	(-)	Ignition switch	~	
LEXUS	ES 330	04-06	Code	~	~	7 pin	4	Green/White	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	Blue/Yellow	(DATA)	Ignition switch	~
			Keysense	~	~	7 pin	~	Blue	(-)	Ignition switch	~
	GX 470	03-09	Code	~	~	7 pin	4	Yellow	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	Yellow/Black	(DATA)	Ignition switch	~
			Keysense	~	~	7 pin	~	Green/Yellow	(-)	Ignition switch	~
	LS 430	04-06	Code	~	~	7 pin	4	Red/White	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	Blue/Black	(DATA)	Ignition switch	~
			Keysense	~	~	7 pin	~	LtGreen/Black	(-)	Ignition switch	~

TYPE 2 - WIRE CROSS REFERENCE CHART - 3 OF 3

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
LEXUS	LX 470	03-07	Code	~	~	7 pin	4	Blue/Black	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	Violet/Green	(DATA)	Ignition switch	~
			Keysense	~	~	7 pin	~	Red/Black	(-)	Ignition switch	~
	RX 330	04-06	Code	~	~	7 pin	4	LtGreen	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	Brown	(DATA)	Ignition switch	~
			Keysense	~	~	7 pin	~	Black	(-)	Ignition switch	~
	RX 350	07-08	Code	~	~	7 pin	4	LtGreen	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	Brown	(DATA)	Ignition switch	~
			Keysense	~	~	7 pin	~	Black	(-)	Ignition switch	~
PONTIAC	Vibe	08	Code	~	~	7 pin	4	Blue	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	Green	(DATA)	Ignition switch	~
			Keysense	~	~	7 pin	~	Blue/Black	(-)	Ignition switch	~
	Vibe	09-10	Code	~	~	7 pin	4	LtBlue	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	Beige	(DATA)	Ignition switch	~
			Keysense	~	~	7 pin	~	Blue	(-)	Ignition switch	~
SCION	tC	05-10	Code	~	~	7 pin	4	Yellow	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	Red	(DATA)	Ignition switch	~
			Keysense	~	~	7 pin	~	Black	(-)	Ignition switch	~
	xB	08-10	Code	~	~	7 pin	4	LtBlue	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	Beige	(DATA)	Ignition switch	~
			Keysense	~	~	7 pin	~	LtBlue	(-)	Ignition switch	~
	xD	08-10	Code	~	~	7 pin	4	Green	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	Violet	(DATA)	Ignition switch	~
			Keysense	~	~	7 pin	~	Yellow	(-)	Ignition switch	~

TYPE 2 - WIRING DIAGRAM



TYPE 3 - WIRE CROSS REFERENCE CHART - 1 OF 3

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
TOYOTA	4Runner PTS	10	Code	~	~	16 pin	10	Violet	(DATA)	Push to Start	~
			TXCT	~	~	16 pin	9	White	(DATA)	Push to Start	~
			Push to Start	~	~	16 pin	7	LtGreen	(-)	Push to Start	~
			Ignition	A	~	4 pin	4	White	(+)	Brake switch above brake pedal	~
			12V (Brake)	A	~	4 pin	2	Red	(+)	Brake switch above brake pedal	~
			Brake	A	~	4 pin	1	Violet/Green	(+)	Brake switch above brake pedal	~
	Avalon (smartkey)	05-09	Code	~	~	16 pin	10	White	(DATA)	Push to Start	~
			TXCT	~	~	16 pin	9	Gray	(DATA)	Push to Start	~
			Push to Start	~	~	16 pin	7	Blue	(-)	Push to Start	~
			Ignition	A	~	4 pin	3	Brown	(+)	Brake switch above brake pedal	~
			12V (Brake)	A	~	4 pin	2	Black	(+)	Brake switch above brake pedal	~
			Brake	A	~	4 pin	1	White	(+)	Brake switch above brake pedal	~
	Camry Hybrid	07-10	Code	~	~	16 pin	10	White	(DATA)	Push to Start	~
			TXCT	~	~	16 pin	9	Gray	(DATA)	Push to Start	~
			Push to Start	~	~	16 pin	7	Blue	(-)	Push to Start	~
			Ignition	A	~	4 pin	3	Black	(+)	Brake switch above brake pedal	~
			12V (Brake)	A	~	4 pin	2	Black	(+)	Brake switch above brake pedal	~
			Brake	A	~	4 pin	1	White	(+)	Brake switch above brake pedal	~
	Camry (smartkey)	07-10	Code	~	~	16 pin	10	White	(DATA)	Push to Start	~
			TXCT	~	~	16 pin	9	Gray	(DATA)	Push to Start	~
			Push to Start	~	~	16 pin	7	Blue	(-)	Push to Start	~
			Ignition	A	~	4 pin	3	Black	(+)	Brake switch above brake pedal	~
			12V (Brake)	A	~	4 pin	2	Black	(+)	Brake switch above brake pedal	~
			Brake	A	~	4 pin	1	Blue	(+)	Brake switch above brake pedal	~
	Corolla (smartkey)	09-10	Code	~	~	16 pin	10	Green	(DATA)	Push to Start	~
			TXCT	~	~	16 pin	9	LtBlue	(DATA)	Push to Start	~
			Push to Start	~	~	16 pin	7	White	(-)	Push to Start	~
			Ignition	A	~	4 pin	3	Black	(+)	Brake switch above brake pedal	~
12V (Brake)			A	~	4 pin	2	White	(+)	Brake switch above brake pedal	~	
Brake			A	~	4 pin	1	Blue	(+)	Brake switch above brake pedal	~	
Highlander (smartkey)	08-10	Code	~	~	16 pin	10	Gray	(DATA)	Push to Start	~	
		TXCT	~	~	16 pin	9	Orange	(DATA)	Push to Start	~	
		Push to Start	~	~	16 pin	7	Pink	(-)	Push to Start	~	
		Ignition	A	~	4 pin	3	White	(+)	Brake switch above brake pedal	~	
		12V (Brake)	A	~	4 pin	2	Violet	(+)	Brake switch above brake pedal	~	
		Brake	A	~	4 pin	1	Blue	(+)	Brake switch above brake pedal	~	
Highlander Hybrid	08-10	Code	~	~	16 pin	10	Gray	(DATA)	Push to Start	~	
		TXCT	~	~	16 pin	9	Orange	(DATA)	Push to Start	~	
		Push to Start	~	~	16 pin	7	Pink	(-)	Push to Start	~	
		Ignition	A	~	4 pin	3	White	(+)	Brake switch above brake pedal	~	
		12V (Brake)	A	~	4 pin	2	Violet	(+)	Brake switch above brake pedal	~	
		Brake	A	~	4 pin	1	Blue	(+)	Brake switch above brake pedal	~	

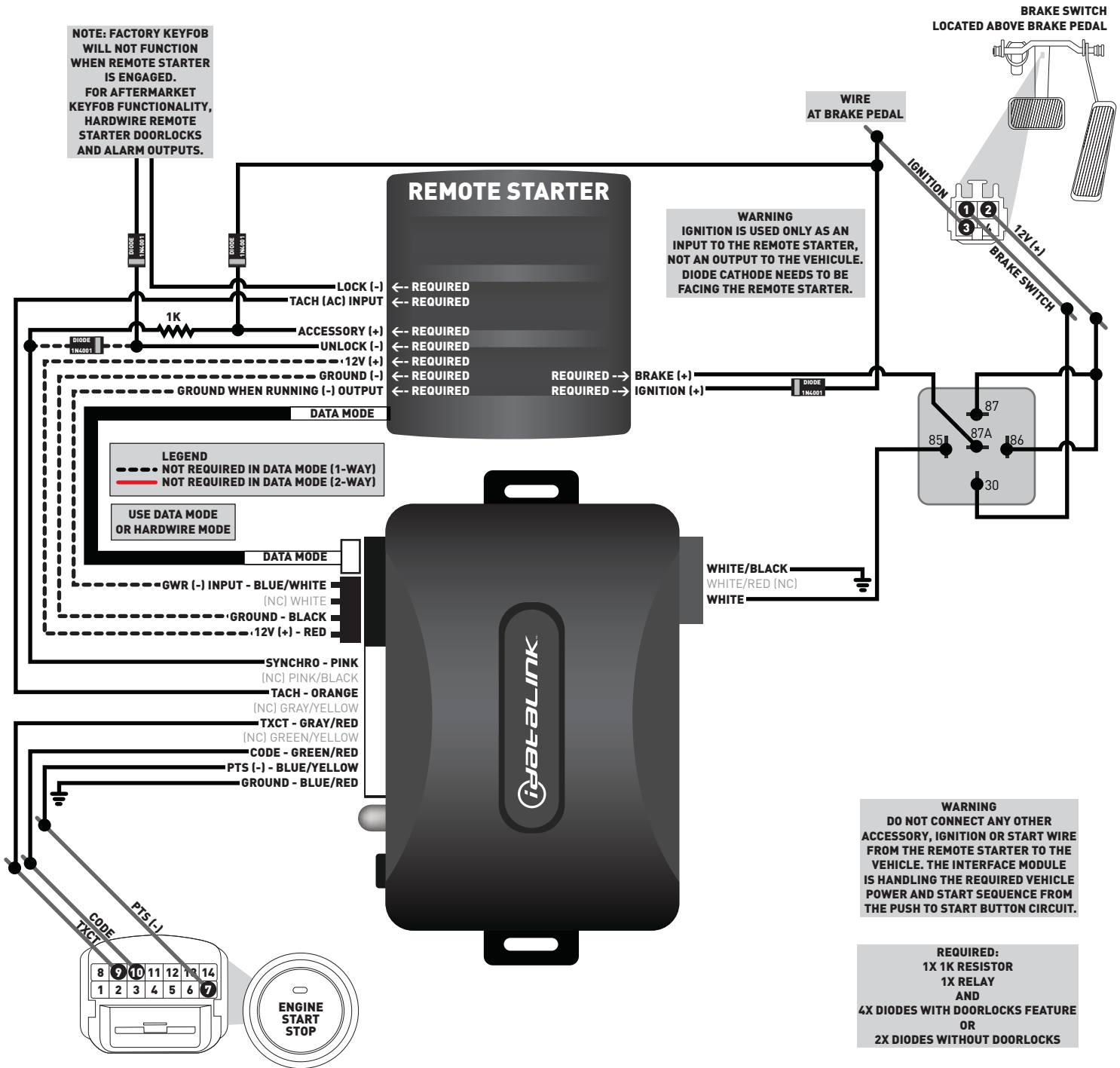
TYPE 3 - WIRE CROSS REFERENCE CHART - 2 OF 3

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
TOYOTA	Land Cruiser	08-10	Code	~	~	16 pin	10	Green	(DATA)	Push to Start	~
			TXCT	~	~	16 pin	9	LtBlue	(DATA)	Push to Start	~
			Push to Start	~	~	16 pin	7	Black	(-)	Push to Start	~
			Ignition	B	~	4 pin	3	Black	(+)	Brake switch above brake pedal	~
			12V (Brake)	B	~	4 pin	2	Blue/Black	(+)	Brake switch above brake pedal	~
			Brake	B	~	4 pin	1	Red	(+)	Brake switch above brake pedal	~
	RAV4 (Smartkey)	09-10	Code	~	~	16 pin	10	White	(DATA)	Push to Start	~
			TXCT	~	~	16 pin	9	Blue	(DATA)	Push to Start	~
			Push to Start	~	~	16 pin	7	White	(-)	Push to Start	~
			Ignition	B	~	4 pin	4	Black	(+)	Brake switch above brake pedal	~
			12V (Brake)	B	~	4 pin	2	White	(+)	Brake switch above brake pedal	~
			Brake	B	~	4 pin	1	Blue	(+)	Brake switch above brake pedal	~
LEXUS	ES 350	07-08	Code	~	~	16 pin	10	White	(DATA)	Push to Start	~
			TXCT	~	~	16 pin	9	Gray	(DATA)	Push to Start	~
			Push to Start	~	~	16 pin	7	Blue	(-)	Push to Start	~
			Ignition	A	~	4 pin	3	Black	(+)	Brake switch above brake pedal	~
			12V (Brake)	A	~	4 pin	2	Black	(+)	Brake switch above brake pedal	~
			Brake	A	~	4 pin	1	Blue	(+)	Brake switch above brake pedal	~
	GS 300	06	Code	~	~	16 pin	10	Yellow	(DATA)	Push to Start	~
			TXCT	~	~	16 pin	9	Blue	(DATA)	Push to Start	~
			Push to Start	~	~	16 pin	7	Pink	(-)	Push to Start	~
			Ignition	B	~	4 pin	3	Black/White	(+)	Brake switch above brake pedal	~
			12V (Brake)	A	~	4 pin	2	Blue/White	(+)	Brake switch above brake pedal	~
			Brake	B	~	4 pin	1	Red/Black	(+)	Brake switch above brake pedal	~
	GS 350	07-08	Code	~	~	16 pin	10	Yellow	(DATA)	Push to Start	~
			TXCT	~	~	16 pin	9	Blue	(DATA)	Push to Start	~
			Push to Start	~	~	16 pin	7	Pink	(-)	Push to Start	~
			Ignition	B	~	4 pin	3	Black/White	(+)	Brake switch above brake pedal	~
			12V (Brake)	B	~	4 pin	2	Blue/White	(+)	Brake switch above brake pedal	~
			Brake	B	~	4 pin	1	Red/Black	(+)	Brake switch above brake pedal	~
	GS 430	06-07	Code	~	~	16 pin	10	Yellow	(DATA)	Push to Start	~
			TXCT	~	~	16 pin	9	Blue	(DATA)	Push to Start	~
			Push to Start	~	~	16 pin	7	Pink	(-)	Push to Start	~
			Ignition	B	~	4 pin	3	Black/White	(+)	Brake switch above brake pedal	~
			12V (Brake)	B	~	4 pin	2	Blue/White	(+)	Brake switch above brake pedal	~
			Brake	B	~	4 pin	1	Red/Black	(+)	Brake switch above brake pedal	~
GS 450 Hybrid	07-08	Code	~	~	16 pin	10	Yellow	(DATA)	Push to Start	~	
		TXCT	~	~	16 pin	9	Blue	(DATA)	Push to Start	~	
		Push to Start	~	~	16 pin	7	Pink	(-)	Push to Start	~	
		Ignition	B	~	4 pin	3	Black/White	(+)	Brake switch above brake pedal	~	
		12V (Brake)	B	~	4 pin	2	Blue/White	(+)	Brake switch above brake pedal	~	
		Brake	B	~	4 pin	1	Red/Black	(+)	Brake switch above brake pedal	~	

TYPE 3 - WIRE CROSS REFERENCE CHART - 3 OF 3

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
LEXUS	GS 460	08	Code	~	~	16 pin	10	Yellow	(DATA)	Push to Start	~
			TXCT	~	~	16 pin	9	Blue	(DATA)	Push to Start	~
			Push to Start	~	~	16 pin	7	Pink	(-)	Push to Start	~
			Ignition	B	~	4 pin	3	Black/White	(+)	Brake switch above brake pedal	~
			12V (Brake)	B	~	4 pin	2	Blue/White	(+)	Brake switch above brake pedal	~
			Brake	B	~	4 pin	1	Red/Black	(+)	Brake switch above brake pedal	~
	IS 250	06-08	Code	~	~	16 pin	10	LtBlue	(DATA)	Push to Start	~
			TXCT	~	~	16 pin	9	Blue	(DATA)	Push to Start	~
			Push to Start	~	~	16 pin	7	Black	(-)	Push to Start	~
			Ignition	B	~	4 pin	4	LtGreen	(+)	Brake switch above brake pedal	~
			12V (Brake)	B	~	4 pin	2	Blue/White	(+)	Brake switch above brake pedal	~
			Brake	B	~	4 pin	1	Red/Black	(+)	Brake switch above brake pedal	~
	IS 350	06-08	Code	~	~	16 pin	10	LtBlue	(DATA)	Push to Start	~
			TXCT	~	~	16 pin	9	Blue	(DATA)	Push to Start	~
			Push to Start	~	~	16 pin	7	Black	(-)	Push to Start	~
			Ignition	B	~	4 pin	4	LtGreen	(+)	Brake switch above brake pedal	~
			12V (Brake)	B	~	4 pin	2	Blue/White	(+)	Brake switch above brake pedal	~
			Brake	B	~	4 pin	1	Red/Black	(+)	Brake switch above brake pedal	~
	IS-F	08	Code	~	~	16 pin	10	LtBlue	(DATA)	Push to Start	~
			TXCT	~	~	16 pin	9	Blue	(DATA)	Push to Start	~
			Push to Start	~	~	16 pin	7	Black	(-)	Push to Start	~
			Ignition	B	~	4 pin	4	LtGreen	(+)	Brake switch above brake pedal	~
			12V (Brake)	B	~	4 pin	2	Blue/White	(+)	Brake switch above brake pedal	~
			Brake	B	~	4 pin	1	Red/Black	(+)	Brake switch above brake pedal	~
LS 460	07-08	Code	~	~	16 pin	10	White	(DATA)	Push to Start	~	
		TXCT	~	~	16 pin	9	Orange	(DATA)	Push to Start	~	
		Push to Start	~	~	16 pin	7	White	(-)	Push to Start	~	
		Ignition	B	~	4 pin	3	Red	(+)	Brake switch above brake pedal	~	
		12V (Brake)	B	~	4 pin	2	Green	(+)	Brake switch above brake pedal	~	
		Brake	B	~	4 pin	1	Blue	(+)	Brake switch above brake pedal	~	
LS 600 Hybrid	08	Code	~	~	16 pin	10	White	(DATA)	Push to Start	~	
		TXCT	~	~	16 pin	9	Orange	(DATA)	Push to Start	~	
		Push to Start	~	~	16 pin	7	White	(-)	Push to Start	~	
		Ignition	B	~	4 pin	4	LtGreen	(+)	Brake switch above brake pedal	~	
		12V (Brake)	B	~	4 pin	2	Green	(+)	Brake switch above brake pedal	~	
		Brake	B	~	4 pin	1	Red/Black	(+)	Brake switch above brake pedal	~	

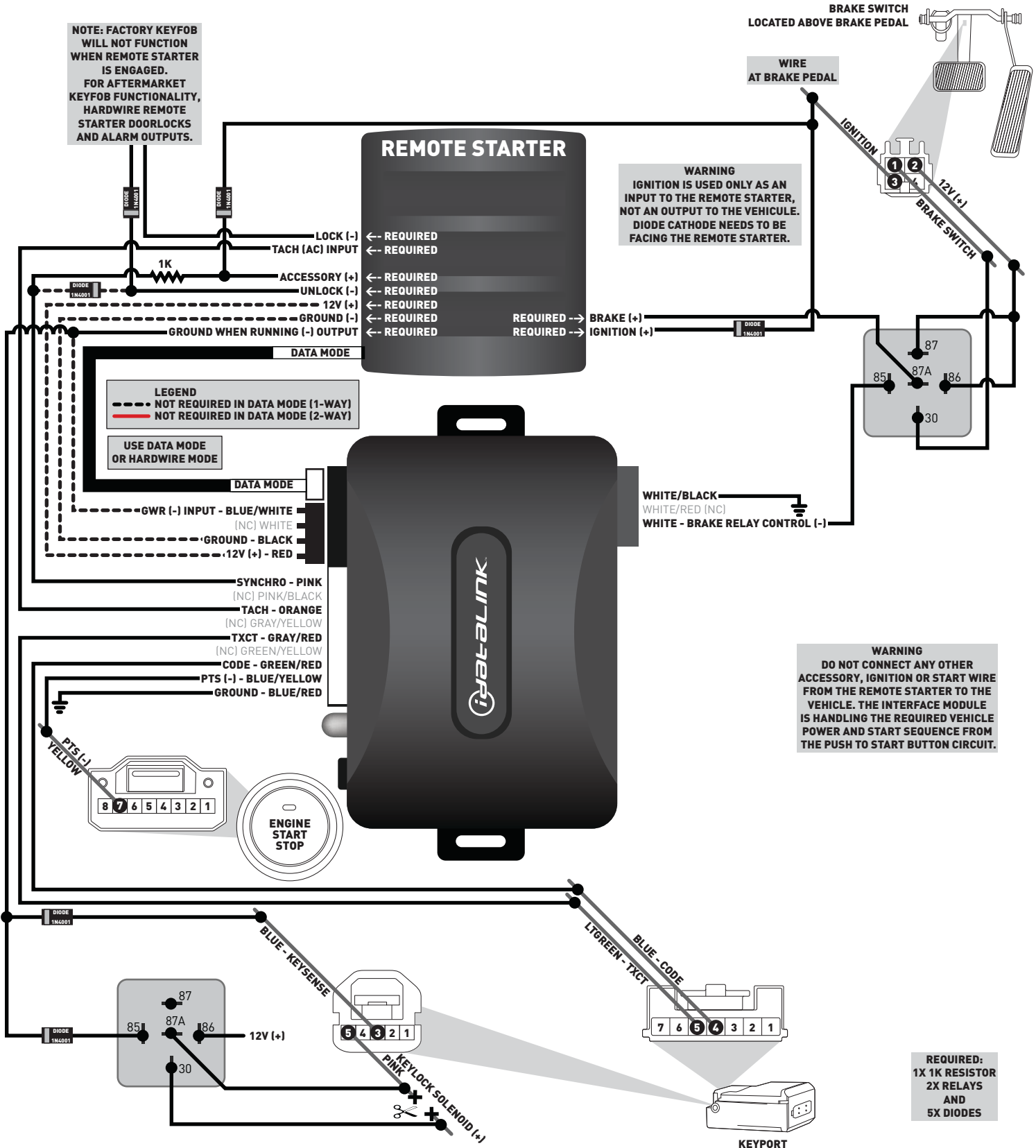
TYPE 3 - WIRING DIAGRAM



TYPE 4 - WIRE CROSS REFERENCE CHART

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
TOYOTA	Prius	04-10	Code	~	~	7 pin	4	Blue	(DATA)	At Key Port	~
			TXCT	~	~	7 pin	5	LtGreen	(DATA)	At Key Port	~
			Push to Start	~	~	8 pin	7	Yellow	(-)	At Start Button	~
			Ignition	A	~	4 pin	3	Orange	(+)	Above Brake Pedal	~
			12V (Brake)	A	~	4 pin	2	Black	(+)	Above Brake Pedal	~
			Brake	A	~	4 pin	1	Blue	(+)	Above Brake Pedal	~

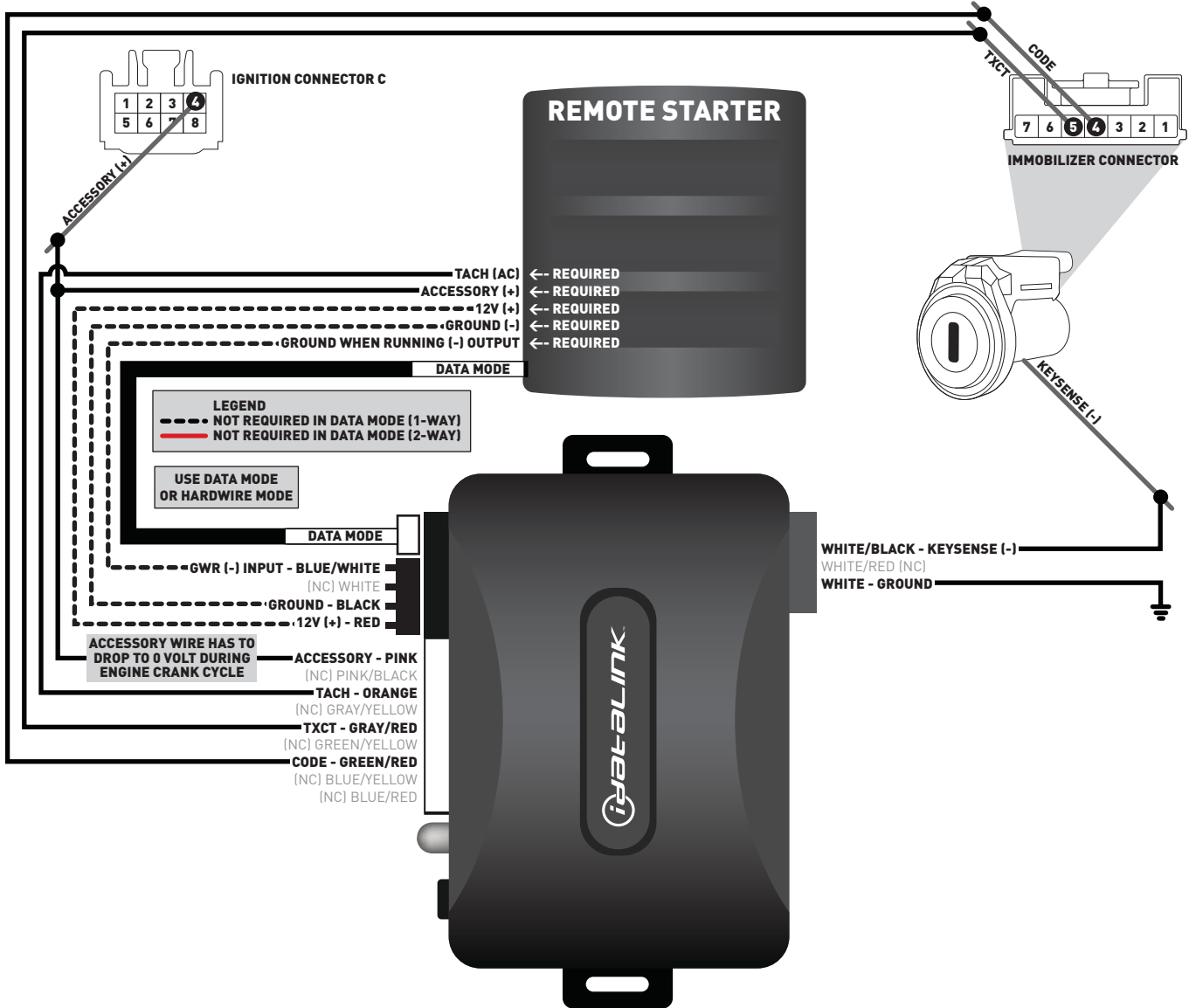
TYPE 4 - WIRING DIAGRAM



TYPE 5 - WIRE CROSS REFERENCE CHART



MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR				WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE	POSITION				
TOYOTA	Highlander Hybrid	06-07	Code	~	~	7 pin	4	Gray	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	LtBlue	(DATA)	Ignition switch	~
			Keysense	~	~	~	~	Green	(-)	Ignition switch	~
			Accessory	C	~	8 pin	4	Green	(+)	Ignition switch	~
LEXUS	RX 400 Hybrid	06-08	Code	~	~	7 pin	4	LtGreen	(DATA)	Ignition switch	~
			TXCT	~	~	7 pin	5	Brown	(DATA)	Ignition switch	~
			Keysense	~	~	~	~	Black	(-)	Ignition switch	~
			Accessory	C	~	8 pin	4	Green	(+)	Ignition switch	~

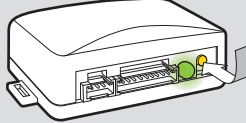
TYPE 5 - WIRING DIAGRAM



INSTALLATION MODE SELECTION

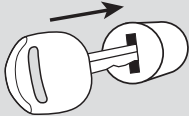
1  Press and release programming button to select installation mode.

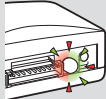
 LED flashes (1X) once = DATA MODE
 LED flashes (2X) twice = STANDARD HARDWIRE MODE

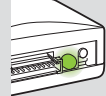
2  Press and hold programming button until LED turns solid GREEN to register selection.

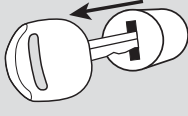
! After registration, follow Factory Reset Procedure to change installation mode and restart this procedure.

TYPE 1, 2 & 5 - MODULE PROGRAMMING PROCEDURE - REGULAR KEY

1  Insert key into ignition.
(OR insert key into keyport)

2  LED will flash GREEN and RED.

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

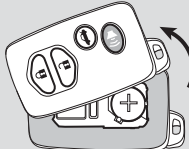
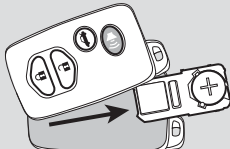
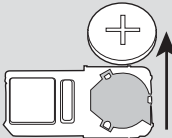
4  Remove key.
(OR remove key from keyport)

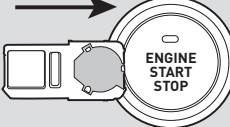

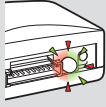

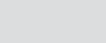
5 Module Programming Procedure completed.

TYPE 3 - MODULE PROGRAMMING PROCEDURE - SMARTKEY PUSH TO START

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.

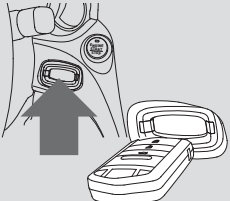
- 1  Open key fob.
- 2  Remove circuit board from key fob.
- 3  Remove battery from circuit board.


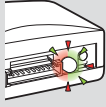

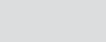
- 4  Place circuit board in front of push to start button.
- 5  Push start button twice [2x] to ON position.
- 6  LED will flash GREEN and RED.
- 7  Wait, LED will turn solid GREEN for **2 seconds**.
- 8  Module Programming Procedure completed.

TYPE 4 - MODULE PROGRAMMING PROCEDURE - NON-RFID PUSH TO START

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  Insert keyfob in keyport.

- 2  Push start button twice [2x] to ON position.
- 3  LED will flash GREEN and RED.
- 4  Wait, LED will turn solid GREEN for **2 seconds**.
- 5  Module Programming Procedure completed.

PUSH TO START VEHICLE TAKE OVER PROCEDURE - TO THE VEHICLE OWNER

NOTE

- I This procedure is to be followed during remote starter runtime prior to entering vehicle.
- II Do not attempt to remote start the vehicle when the OEM RFID FOB's are in the vehicle.



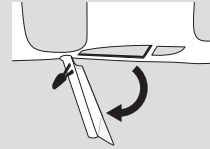
TIME RESTRICTION COMING UP !

1



Press UNLOCK on after-market remote.

2



TIME RESTRICTION

Within 45 SECONDS from previous step:

Open vehicle door.

Enter vehicle.

Close vehicle door.

Press and release BRAKE pedal.



3

Push to Start vehicle take over procedure completed.



Failure to follow procedure within time restriction will result in vehicle engine shutdown.

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.