BLADE
SERIES

Automotive Data Solutions Inc.

INSTALL GUIDE TL5

BLADE-AL(DL)-TL5-EN

AVAILABLE FOR: ADS-BLADE AL

Rev. Date: December 05, 2012
Doc. No.: ##10213##
20121130

VERSION FRANÇAISE DISPONIBLE EN LIGNE AU **WWW.BLADEUPTADE.COM**
PLEASE VISIT **WWW.BLADEUPDATE.COM** FOR COMPLETE PRODUCT DETAILS

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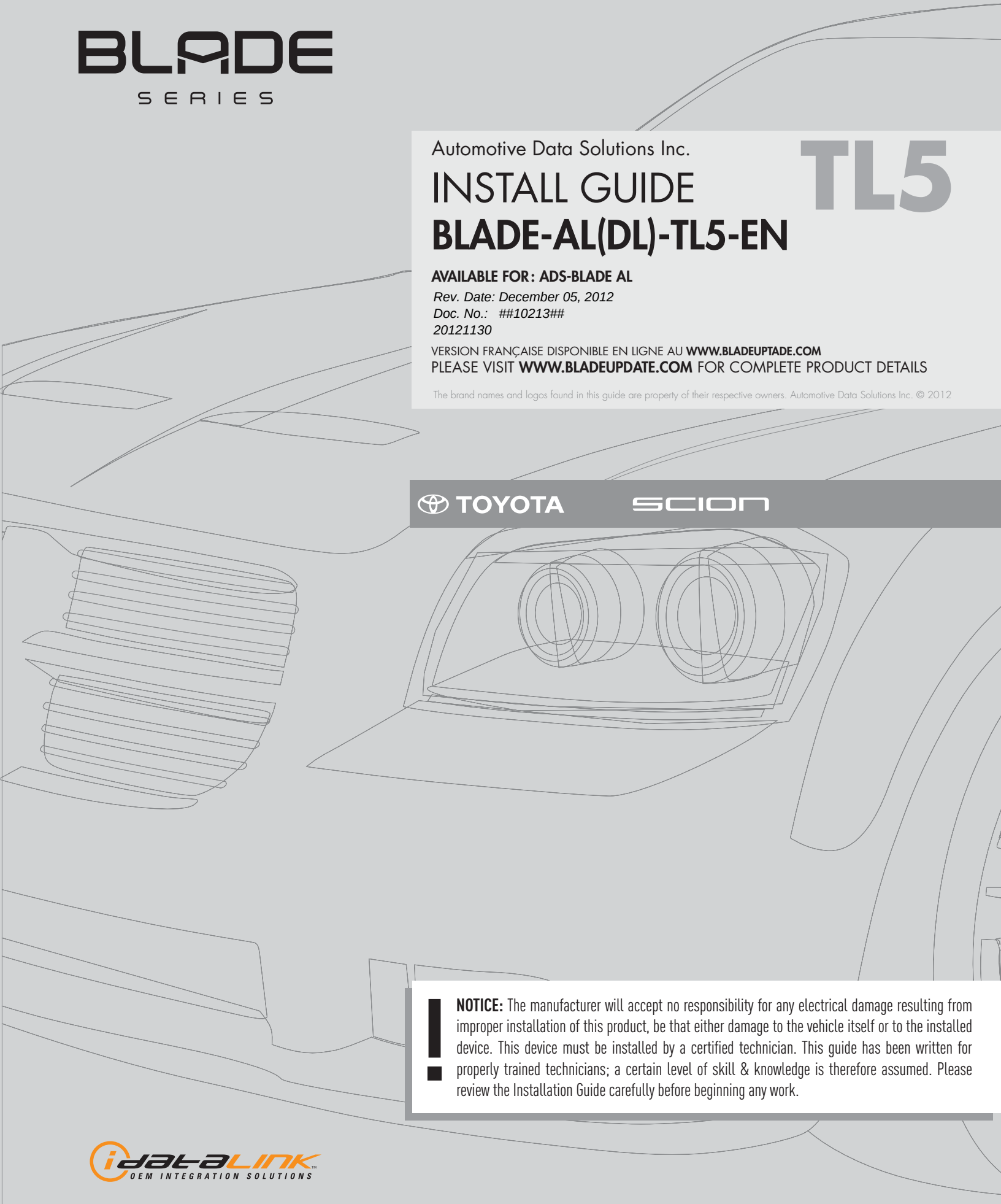
TOYOTA SCION



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.

idatalink
OEM INTEGRATION SOLUTIONS

INSTALL TYPE SELECTION

MAKE	MODEL	YEAR	INSTALL TYPE	FEATURES														
				DATA IMMOBILIZER BYPASS	KEYLESS SYSTEM DURING RS	ARM OEM ALARM	DISARM OEM ALARM	DOOR LOCK	DOOR UNLOCK	POWER SLIDING DOOR (L)	POWER SLIDING DOOR (R)	TRUNK/HATCH RELEASE	TACHOMETER OUTPUT	BRAKE PEDAL STAT OUTPUT	E-BRAKE OUTPUT	DOOR STAT OUTPUT	TRUNK STAT OUTPUT	HOOD STAT OUTPUT*
SCION	iQ Regular key (80 bit)	12-13	3	•		•	•	•	•				•	•	•	•	•	
	tC Regular key (80 bit)	11-13	3	•		•	•	•	•			•	•	•	•	•	•	•
	xB Regular key (80 bit)	11-13	1	•	•	•	•	•	•				•	•	•	•	•	•
	xD Regular key (80 bit)	11-13	9	•	•	•	•	•	•				•	•	•	•	•	
TOYOTA	4Runner Regular key (80 bit)	10-13	3	•		•	•	•	•			•	•	•	•	•	•	•
	Camry Regular key (80 bit)	10-11	1	•	•	•	•	•	•			•	•	•	•	•	•	•
	Camry Regular key (80 bit)	12-13	2	•		•	•	•	•			•	•	•	•	•	•	•
	Corolla Regular key (80 bit)	12-13	1	•	•	•	•	•	•			•	•	•	•	•	•	•
	Highlander Regular key (80 bit)	11-13	5	•	•	•	•	•	•				•	•	•	•	•	•
	Highlander Hybrid Regular key (80 bit)	12-13	5	•	•	•	•	•	•				•	•	•	•	•	•
	Matrix Regular key (80 bit)	12-13	1	•	•	•	•	•	•				•	•	•	•	•	•
	Prius C Regular key (80 bit)	12-13	10	•		•	•	•	•				•	•	•	•	•	
	RAV4 Regular key (80 bit)	11-13	1	•	•	•	•	•	•				•	•	•	•	•	•
	Sequoia Regular key (80 bit)	11-13	8	•	•	•	•	•	•				•	•	•	•	•	•
	Sienna Regular key (80 bit)	11-13	6	•		•	•	•	•	•	•	•	•	•	•	•	•	•
	Tundra Regular key (80 bit)	11-13	7	•	•	•	•	•	•				•	•	•	•		•
	Venza Regular key (80 bit)	10-13	4	•		•	•	•	•			•	•	•	•	•	•	•
	Yaris Hatchback Regular key (80 bit)	11	9	•	•	•	•	•	•				•	•	•	•	•	
	Yaris Hatchback Regular key (80 bit)	12-13	3	•		•	•	•	•				•	•	•	•	•	
	Yaris Sedan Regular key (80 bit)	11-12	9	•	•	•	•	•	•				•	•	•	•	•	

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

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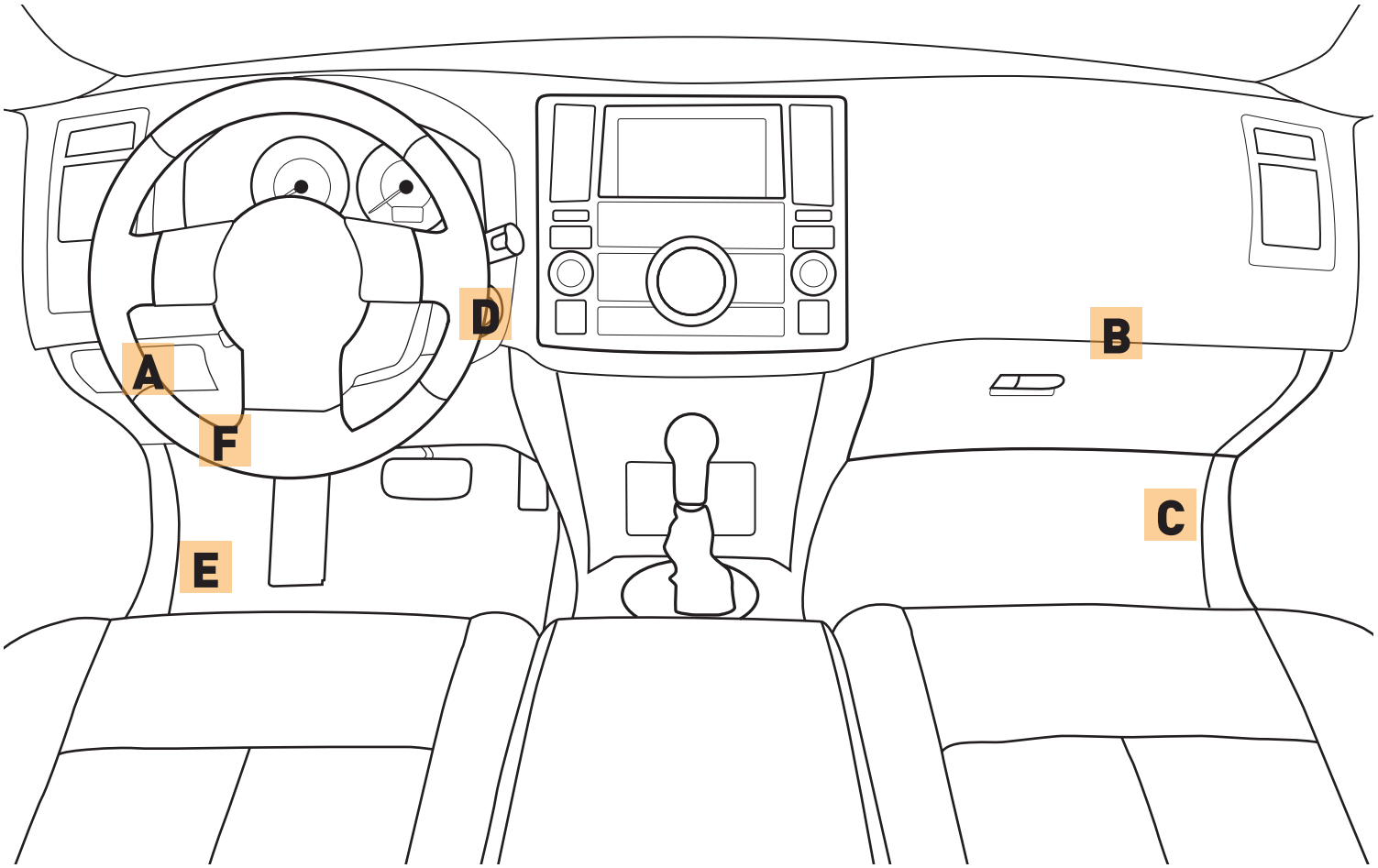
COMPONENT LOCATOR



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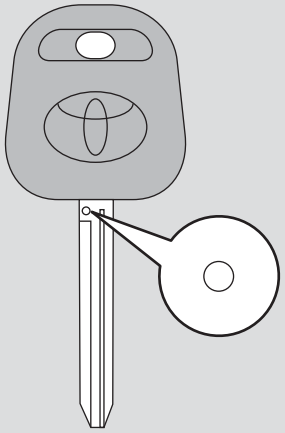
WARNING: VALET KEYS ARE NOT COMPATIBLE

40 BIT VALET KEY

1



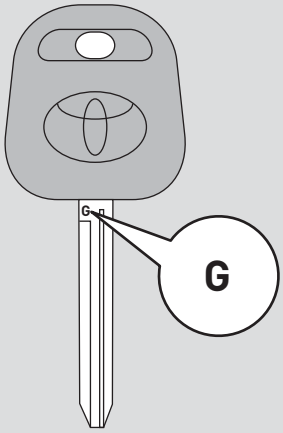
The 40 bit valet key is GRAY and has a dot or "O" stamped on the metal part of the key.

This key is NOT compatible with this firmware.

2 Use a regular key and a compatible firmware solution.

80 BIT VALET KEY

1



The 80 bit valet key is GRAY and has "G" stamped on the metal part of the key.

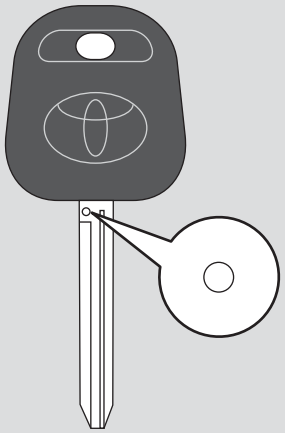
This key is NOT compatible with this firmware.

2 Use a regular key and a compatible firmware solution.

IDENTIFY REGULAR KEY

40 BIT REGULAR KEY

1



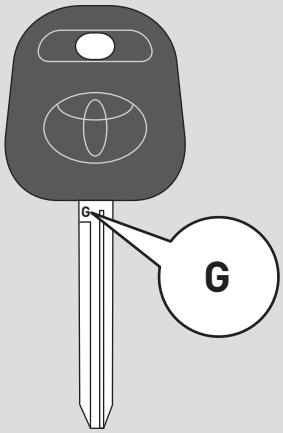
The 40 bit regular key is BLACK and has a dot or "O" stamped on the metal part of the key.

This key is NOT compatible with this firmware.

2 Use a compatible firmware solution.

80 BIT REGULAR KEY

1



The 80 bit regular key is BLACK and has "G" stamped on the metal part of the key.

This key is compatible with this firmware.

2 Proceed with installation.

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TYPE 1 - WIRE CROSS REFERENCE CHART - 1 OF 2

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
SCION	xB Regular key	11-13	CanH	OBDII	White	16 pin	06	LtGreen	(DATA)	OBDII	F
			CanL	OBDII	White	16 pin	14	White	(DATA)	OBDII	F
			Immobilizer	OBDII	White	16 pin	07	White	(DATA)	OBDII	F
			Parking Light	C11	White	20 pin	18	White	(-)	At light switch	~
			12V	C5	White	08 pin	07	White	(+)	Ignition connector	D
			Ignition 1	C5	White	08 pin	04	White	(+)	Ignition connector	D
			Ignition 2	C5	White	08 pin	06	Gray	(+)	Ignition connector	D
			Accessory	C5	White	08 pin	03	Black	(+)	Ignition connector	D
			Starter 1	C5	White	08 pin	08	White	(+)	Ignition connector	D
			Starter 2	C5	White	08 pin	01	White	(+)	Ignition connector	D
TOYOTA	Camry Regular key	10-11	CanH	OBDII	~	16 pin	06	Black	(DATA)	OBDII	F
			CanL	OBDII	~	16 pin	14	White	(DATA)	OBDII	F
			Immobilizer	OBDII	~	16 pin	07	Gray	(DATA)	OBDII	F
			Parking Light	E21	White	20 pin	18	Black	(-)	At parking light switch	~
			12V	E23	White	08 pin	05	Black	(+)	Ignition connector	D
			Ignition 1	E23	White	08 pin	06	Yellow	(+)	Ignition connector	D
			Ignition 2	E23	White	08 pin	01	Pink	(+)	Ignition connector	D
			Accessory	E23	White	08 pin	02	White	(+)	Ignition connector	D
			Starter 1	E23	White	08 pin	07	Blue	(+)	Ignition connector	D
			Starter 2	E23	White	08 pin	03	Gray	(+)	Ignition connector	D
	Corolla Regular key	12-13	CanH	OBDII	~	16 pin	06	LtGreen	(DATA)	OBDII	F
			CanL	OBDII	~	16 pin	14	White	(DATA)	OBDII	F
			Immobilizer	OBDII	~	16 pin	07	White	(DATA)	OBDII	F
			Parking Light	E8	White	20 pin	18	White or Brown	(-)	At parking light switch	~
			12V	E4	White	08 pin	07	Blue	(+)	Ignition connector	D
			Ignition 1	E4	White	08 pin	06	Brown	(+)	Ignition connector	D
			Ignition 2	E4	White	08 pin	04	Green	(+)	Ignition connector	D
			Accessory	E4	White	08 pin	03	Gray	(+)	Ignition connector	D
			Starter 1	E4	White	08 pin	01	White	(+)	Ignition connector	D
			Starter 2*	E4	White	08 pin	08	Black	(+)	Ignition connector	D
	Matrix Regular key	12-13	CanH	OBDII	~	16 pin	06	LtGreen	(DATA)	OBDII	F
			CanL	OBDII	~	16 pin	14	White	(DATA)	OBDII	F
			Immobilizer	OBDII	~	16 pin	07	White	(DATA)	OBDII	F
			Parking Light	E8	White	20 pin	18	Brown	(-)	At parking light switch	~
			12V	E5	White	08 pin	07	Blue	(+)	Ignition connector	D
			Ignition 1	E5	White	08 pin	06	Brown	(+)	Ignition connector	D
			Ignition 2	E5	White	08 pin	04	Green	(+)	Ignition connector	D
			Accessory	E5	White	08 pin	03	Gray	(+)	Ignition connector	D
			Starter 1	E5	White	08 pin	01	White	(+)	Ignition connector	D
			Starter 2*	E5	White	08 pin	08	Black	(+)	Ignition connector	D

* With 2.4L engine only.

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TYPE 1 - WIRE CROSS REFERENCE CHART - 2 OF 2

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
TOYOTA	RAV4 Regular key	11-13	CanH	OBDII	~	16 pin	06	Black	(DATA)	OBDII	F
			CanL	OBDII	~	16 pin	14	White	(DATA)	OBDII	F
			Immobilizer	OBDII	~	16 pin	07	White	(DATA)	OBDII	F
			Parking Light	E12	White	20 pin	18	White	(-)	At parking light switch	~
			12V	E3	White	08 pin	07	Blue	(+)	Ignition connector	D
			Ignition 1	E3	White	08 pin	06	White	(+)	Ignition connector	D
			Ignition 2	E3	White	08 pin	04	Pink	(+)	Ignition connector	D
			Accessory	E3	White	08 pin	03	Red	(+)	Ignition connector	D
			Starter 1	E3	White	08 pin	01	White	(+)	Ignition connector	D
			Starter 2	E3	White	08 pin	08	Yellow	(+)	Ignition connector	D

* With 2.4L engine only.

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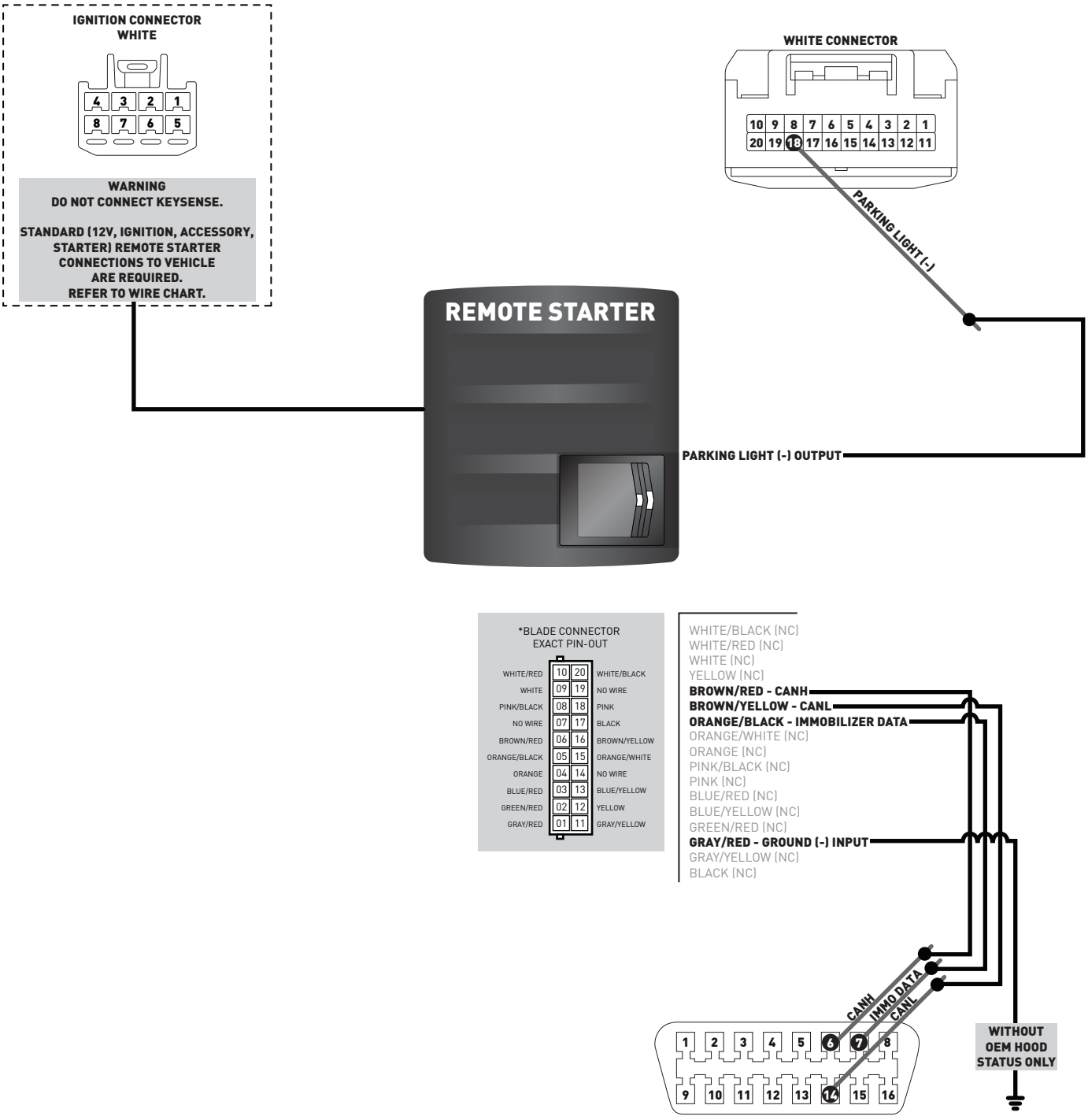
TYPE 1 - WIRING DIAGRAM



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TYPE 2 - WIRE CROSS REFERENCE CHART

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
TOYOTA	Camry Regular key	12-13	CanH	OBDII	~	16 pin	06	Blue	(DATA)	OBDII	F
			CanL	OBDII	~	16 pin	14	White	(DATA)	OBDII	F
			Immobilizer	OBDII	~	16 pin	07	Gray	(DATA)	OBDII	F
			Doorlock Data	i13	White	30 pin	16	Blue	(DATA)	Main body ECU	A
			Parking Light	i13	White	30 pin	30	White or Black	(-)	Main body ECU	A
			12V	i36	White	08 pin	05	Green	(+)	Ignition connector	D
			Ignition 1	i36	White	08 pin	01	Pink	(+)	Ignition connector	D
			Ignition 2	i36	White	08 pin	06	Black	(+)	Ignition connector	D
			Accessory	i36	White	08 pin	02	White	(+)	Ignition connector	D
			Starter 1	i36	White	08 pin	03	LtGreen	(+)	Ignition connector	D
			Starter 2	i36	White	08 pin	07	Blue	(+)	Ignition connector	D

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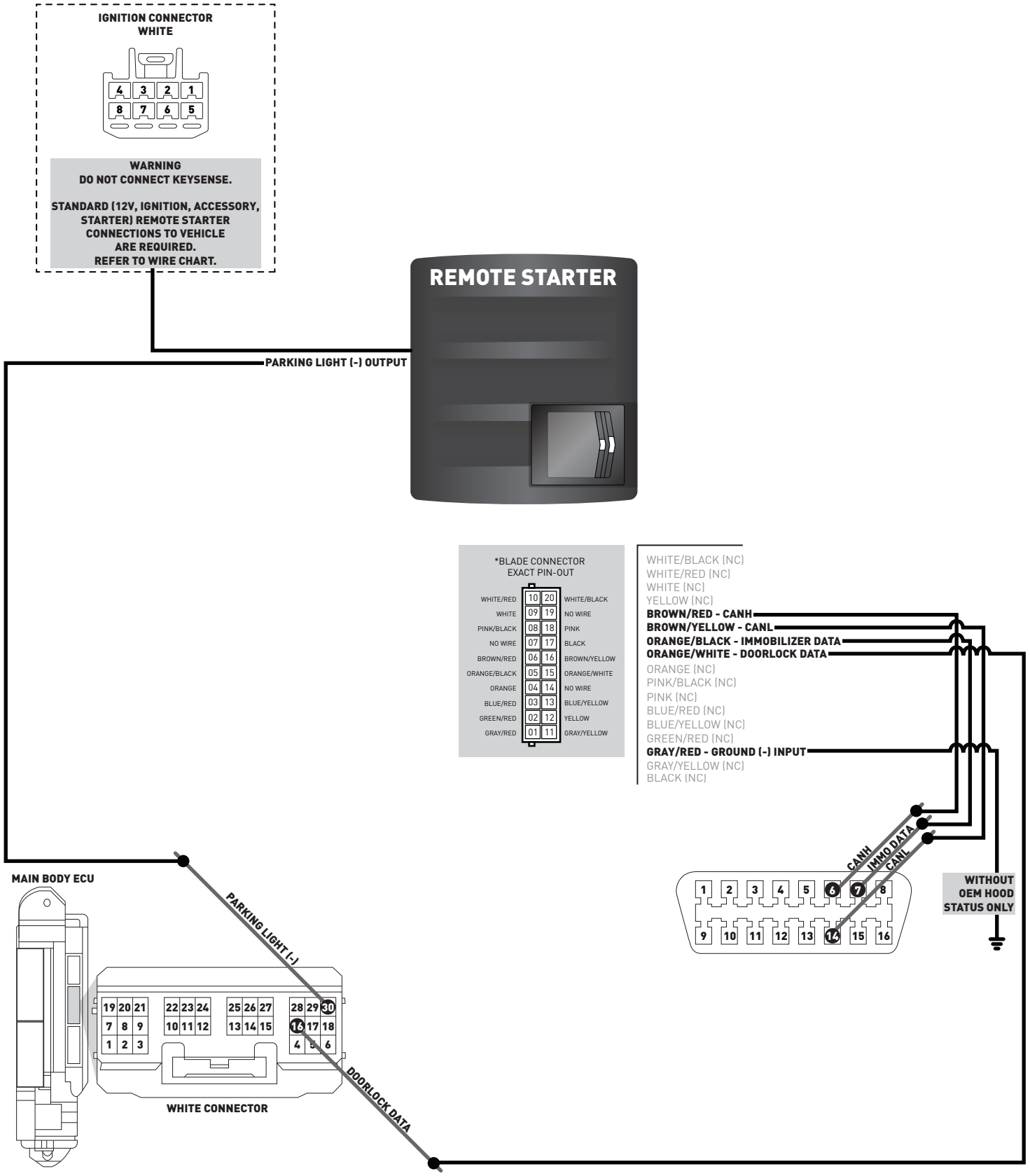
TYPE 2 - WIRING DIAGRAM



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TYPE 3 - WIRE CROSS REFERENCE CHART

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
SCION	iQ Regular key	12-13	CanH	ODBII	White	16 pin	06	Violet	(DATA)	ODBII	F
			CanL	ODBII	White	16 pin	14	White	(DATA)	ODBII	F
			Immobilizer	ODBII	White	16 pin	07	Red	(DATA)	ODBII	F
			Doorlock Data	D42	White	30 pin	26	Brown	(DATA)	Main body ECU	A
			Parking Light	D42	White	30 pin	30	Yellow	(-)	Main body ECU	A
			12V	D28	White	08 pin	07	Blue	(+)	Ignition connector	D
			Ignition 1	D28	White	08 pin	04	LtBlue	(+)	Ignition connector	D
			Ignition 2	D28	White	08 pin	06	Brown	(+)	Ignition connector	D
			Starter 1	D28	White	08 pin	01	LtGreen	(+)	Ignition connector	D
			Starter 2	D28	White	08 pin	08	Red	(+)	Ignition connector	D
			Accessory	D28	White	08 pin	03	Blue	(+)	Ignition connector	D
	tC Regular key	11-13	CanH	OBDII	White	16 pin	06	LtGreen	(DATA)	OBDII	F
			CanL	OBDII	White	16 pin	14	White	(DATA)	OBDII	F
			Immobilizer	OBDII	White	16 pin	07	White or Purple	(DATA)	OBDII	F
			Doorlock Data	C56	White	30 pin	26	LtGreen	(DATA)	Main body ECU	A
			Parking Light	C56	White	30 pin	30	Purple or LtBlue	(-)	Main body ECU	A
			12V	C5	White	08 pin	07	White	(+)	Ignition connector	D
			Ignition 1	C5	White	08 pin	04	Gray	(+)	Ignition connector	D
			Ignition 2	C5	White	08 pin	06	Gray	(+)	Ignition connector	D
			Starter 1	C5	White	08 pin	01	Tan	(+)	Ignition connector	D
			Starter 2	C5	White	08 pin	08	Green	(+)	Ignition connector	D
			Accessory	C5	White	08 pin	03	Black	(+)	Ignition connector	D
TOYOTA	4Runner Regular key	10-13	CanH	F13	White	16 pin	06	Violet	(DATA)	OBDII	F
			CanL	F13	White	16 pin	14	White	(DATA)	OBDII	F
			Immobilizer	F13	White	16 pin	07	Green	(DATA)	OBDII	F
			Doorlock Data	F9	White	30 pin	26	Pink	(DATA)	Main body ECU	A
			Parking Light	F9	White	30 pin	30	Red	(-)	Main body ECU	A
			12V	F15	White	08 pin	07	Green	(+)	Ignition connector	D
			Ignition 1	F15	White	08 pin	06	Black	(+)	Ignition connector	D
			Ignition 2	F15	White	08 pin	04	Purple	(+)	Ignition connector	D
			Starter 1	F15	White	08 pin	08	Red	(+)	Ignition connector	D
			Starter 2	F15	White	08 pin	01	Black	(+)	Ignition connector	D
			Accessory	F15	White	08 pin	03	Red	(+)	Ignition connector	D
	Yaris Hatchback Regular key	12-13	CanH	DLC3	~	16 pin	06	Gray	(DATA)	OBDII	F
			CanL	DLC3	~	16 pin	14	White	(DATA)	OBDII	F
			Immobilizer	DLC3	~	16 pin	07	Black	(DATA)	OBDII	F
			Doorlock Data	D143	White	30 pin	26	Pink	(DATA)	Main body ECU	A
			Parking Light	D143	White	30 pin	30	LtBlue	(-)	Main body ECU	A
			12V	D109	White	08 pin	05	White	(+)	Ignition connector	D
			Ignition 1	D109	White	08 pin	01	LtBlue	(+)	Ignition connector	D
			Ignition 2	D109	White	08 pin	06	Pink	(+)	Ignition connector	D
			Starter 1	D109	White	08 pin	07	Green	(+)	Ignition connector	D
			Starter 2	~	~	~	~	~	~	~	~
			Accessory	D109	White	08 pin	02	Blue	(+)	Ignition connector	D

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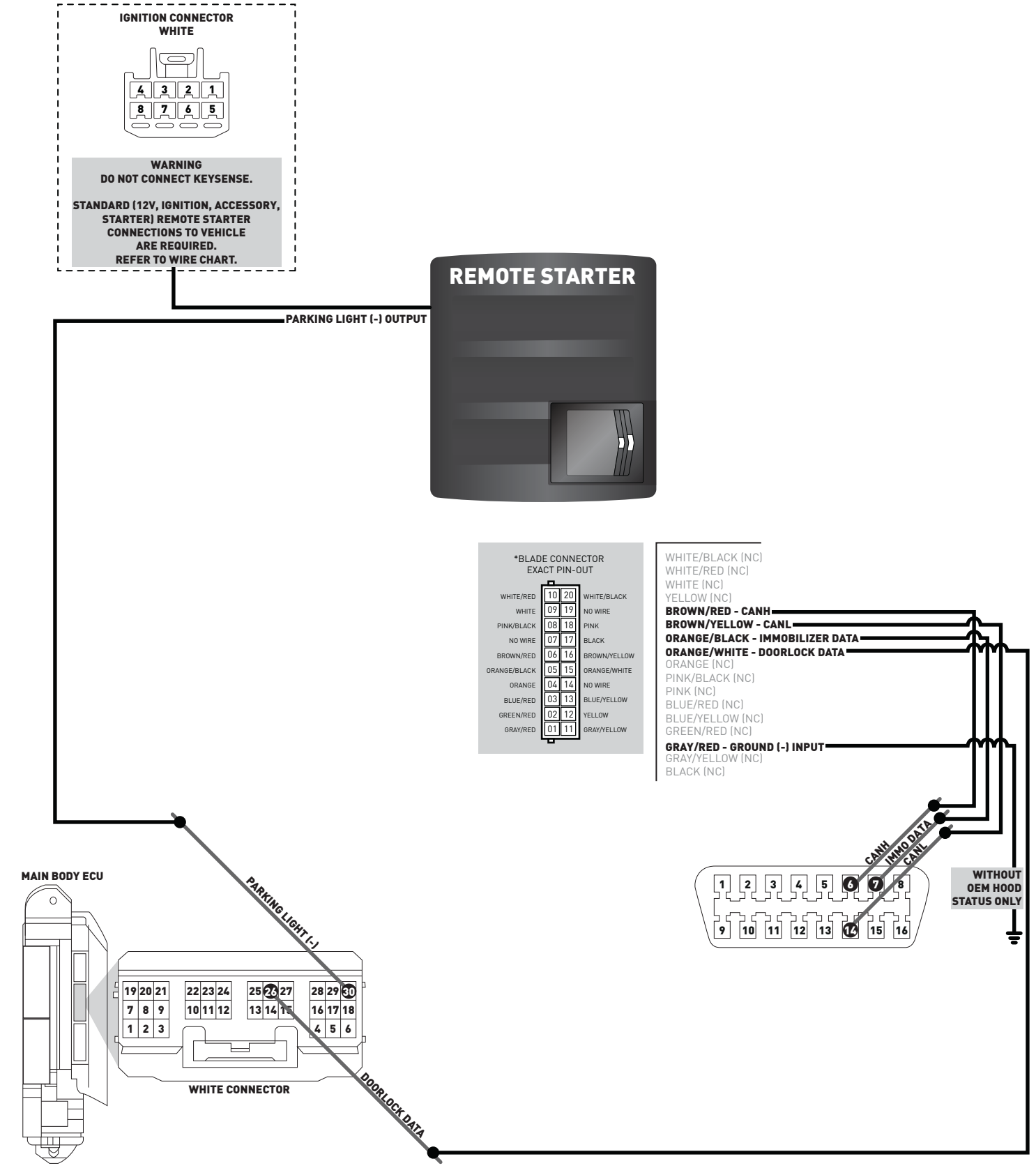
TYPE 3 - WIRING DIAGRAM



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TYPE 4 - WIRE CROSS REFERENCE CHART

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
TOYOTA	Venza Regular key	10-13	CanH	D1	White	16 pin	06	Yellow	(DATA)	OBDII	F
			CanL	D1	White	16 pin	14	White	(DATA)	OBDII	F
			Immobilizer	D1	White	16 pin	07	Blue	(DATA)	OBDII	F
			Doorlock Data	D49	White	28 pin	12	LtGreen	(DATA)	Main body ECU, back side	A
			Parking Light	D50	White	26 pin	23	Red	(-)	Main body ECU, back side	A
			12V	D12	White	08 pin	07	Blue	(+)	Ignition connector	D
			Ignition 1	D12	White	08 pin	06	Red	(+)	Ignition connector	D
			Ignition 2	D12	White	08 pin	04	Green	(+)	Ignition connector	D
			Starter 1	D12	White	08 pin	01	Green	(+)	Ignition connector	D
			Starter 2	D12	White	08 pin	08	Red	(+)	Ignition connector	D
			Accessory	D12	White	08 pin	03	Green	(+)	Ignition connector	D

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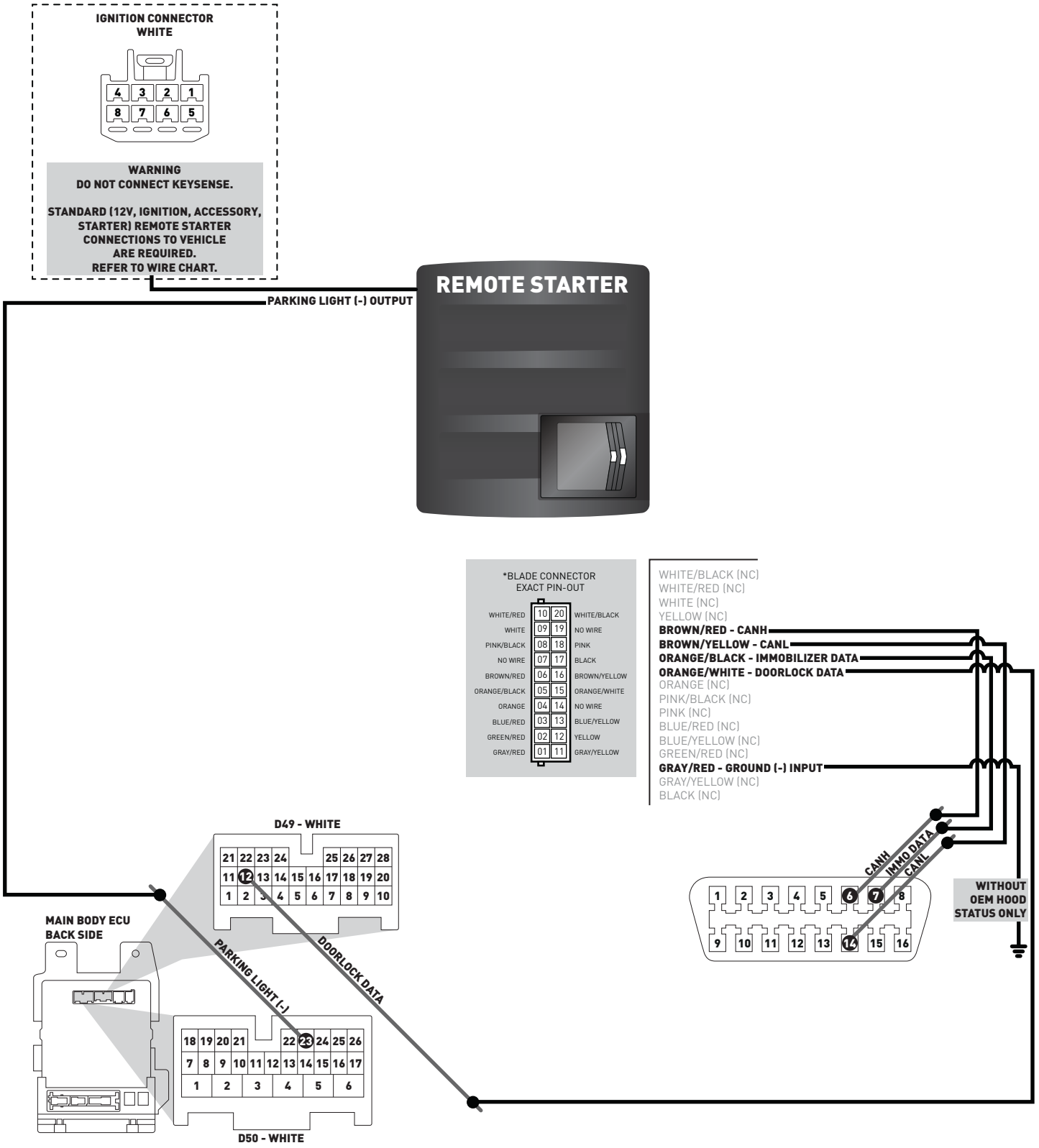
TYPE 4 - WIRING DIAGRAM



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TYPE 5 - WIRE CROSS REFERENCE CHART

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
TOYOTA	Highlander Regular key	11-13	CanH	OBDII	White	16 pin	06	Blue	(DATA)	OBDII	F
			CanL	OBDII	White	16 pin	14	White	(DATA)	OBDII	F
			Immobilizer	OBDII	White	16 pin	07	Gray	(DATA)	OBDII	F
			Parking Light	D13	White	20 pin	18	LtBlue	(-)	At light switch	~
			12V (10 amp)	D24	White	08 pin	05	White/Black	(+)	Ignition connector	D
			Ignition 1	D24	White	08 pin	06	LtBlue	(+)	Ignition connector	D
			Ignition 2	D24	White	08 pin	01	Black	(+)	Ignition connector	D
			Starter 1	D24	White	08 pin	03	Red	(+)	Ignition connector	D
			Starter 2	D24	White	08 pin	07	Yellow	(+)	Ignition connector	D
			Accessory	D24	White	08 pin	02	Gray	(+)	Ignition connector	D
			Power liftgate	D42	Blue	05 pin	04	Red	(-)	At power liftgate switch	A
	Highlander Hybrid Regular key	12-13	CanH	OBDII	~	16 pin	06	Black	(DATA)	OBDII	F
			CanL	OBDII	~	16 pin	14	White	(DATA)	OBDII	F
			Immobilizer	OBDII	~	16 pin	07	Gray	(DATA)	OBDII	F
			Parking Light	D13	Black	20 pin	18	LtBlue	(-)	At light switch	~
			12V (10 amp)	D70	White	08 pin	05	Green	(+)	Ignition connector	D
			Ignition 1	D70	White	08 pin	06	LtBlue	(+)	Ignition connector	D
			Ignition 2	D70	White	08 pin	01	Black	(+)	Ignition connector	D
			Starter 1	D70	White	08 pin	07	Yellow	(+)	Ignition connector	D
			Starter 2	~	~	~	~	~	~	~	~
			Accessory	D70	White	08 pin	02	Gray	(+)	Ignition connector	D
			Power liftgate	D42	Black	05 pin	04	Red	(-)	At power liftgate switch	A

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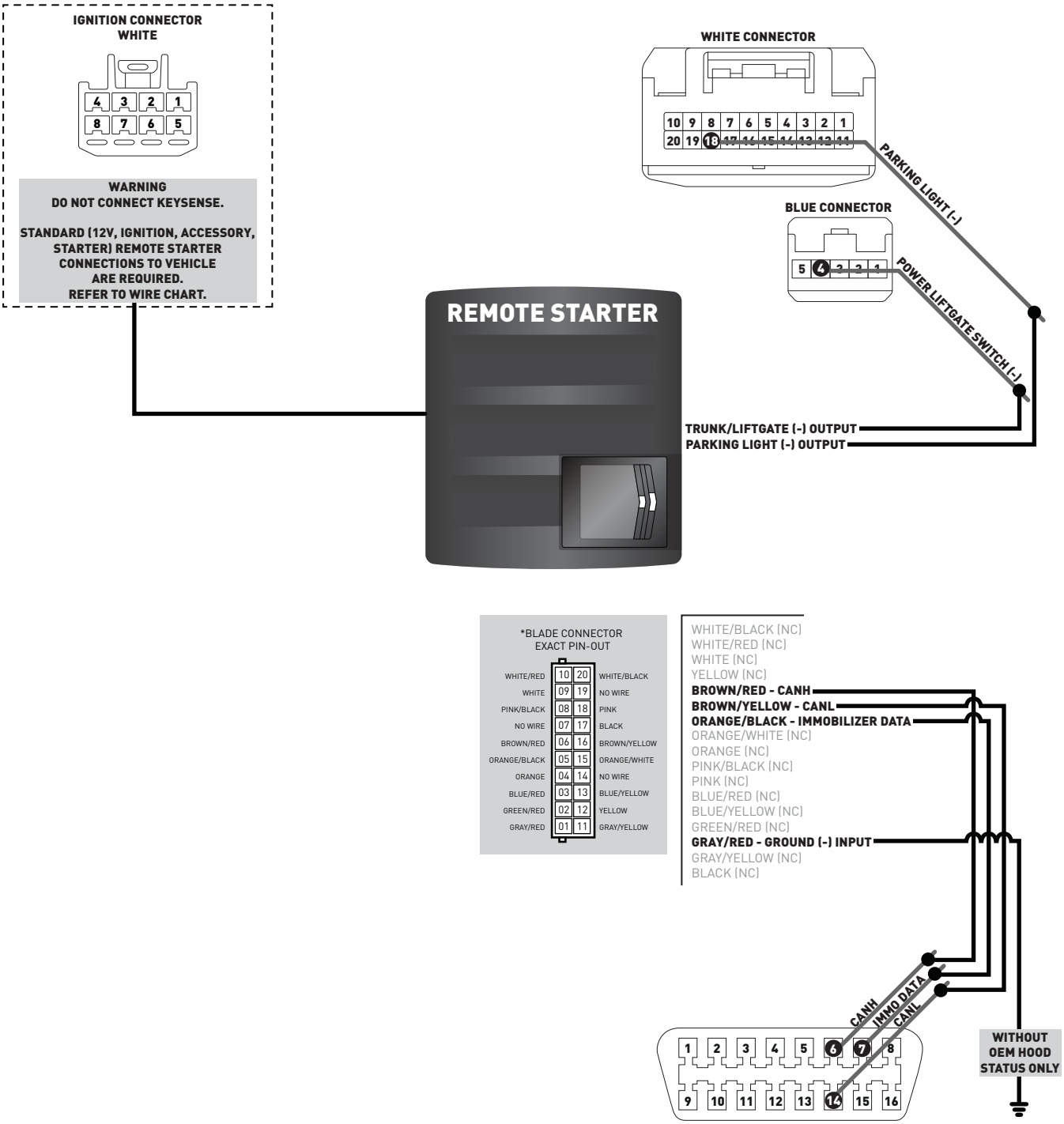
TYPE 5 - WIRING DIAGRAM



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TYPE 6 - WIRE CROSS REFERENCE CHART

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
TOYOTA	Sienna Regular key	11-13	CanH	D16	White	16 pin	06	Red	(DATA)	OBDII	F
			CanL	D16	White	16 pin	14	White	(DATA)	OBDII	F
			Immobilizer	D16	White	16 pin	07	White	(DATA)	OBDII	F
			SIL	~	White	12 pin	10	White	(DATA)	TPMS module next to driver side fuse box	A
			Doorlock Data	D13	White	30 pin	26	Pink	(DATA)	Main body ECU	A
			Parking Light	D13	White	30 pin	30	Yellow	(-)	Main body ECU	A
			12V	D27	White	08 pin	07	Red	(+)	Ignition connector	D
			Ignition 1	D27	White	08 pin	06	Black	(+)	Ignition connector	D
			Ignition 2	D27	White	08 pin	04	Yellow	(+)	Ignition connector	D
			Starter 1	D27	White	08 pin	08	Red	(+)	Ignition connector	D
			Starter 2	~	~	~	~	~	~	~	~
			Accessory	D27	White	08 pin	03	Blue	(+)	Ignition connector	D

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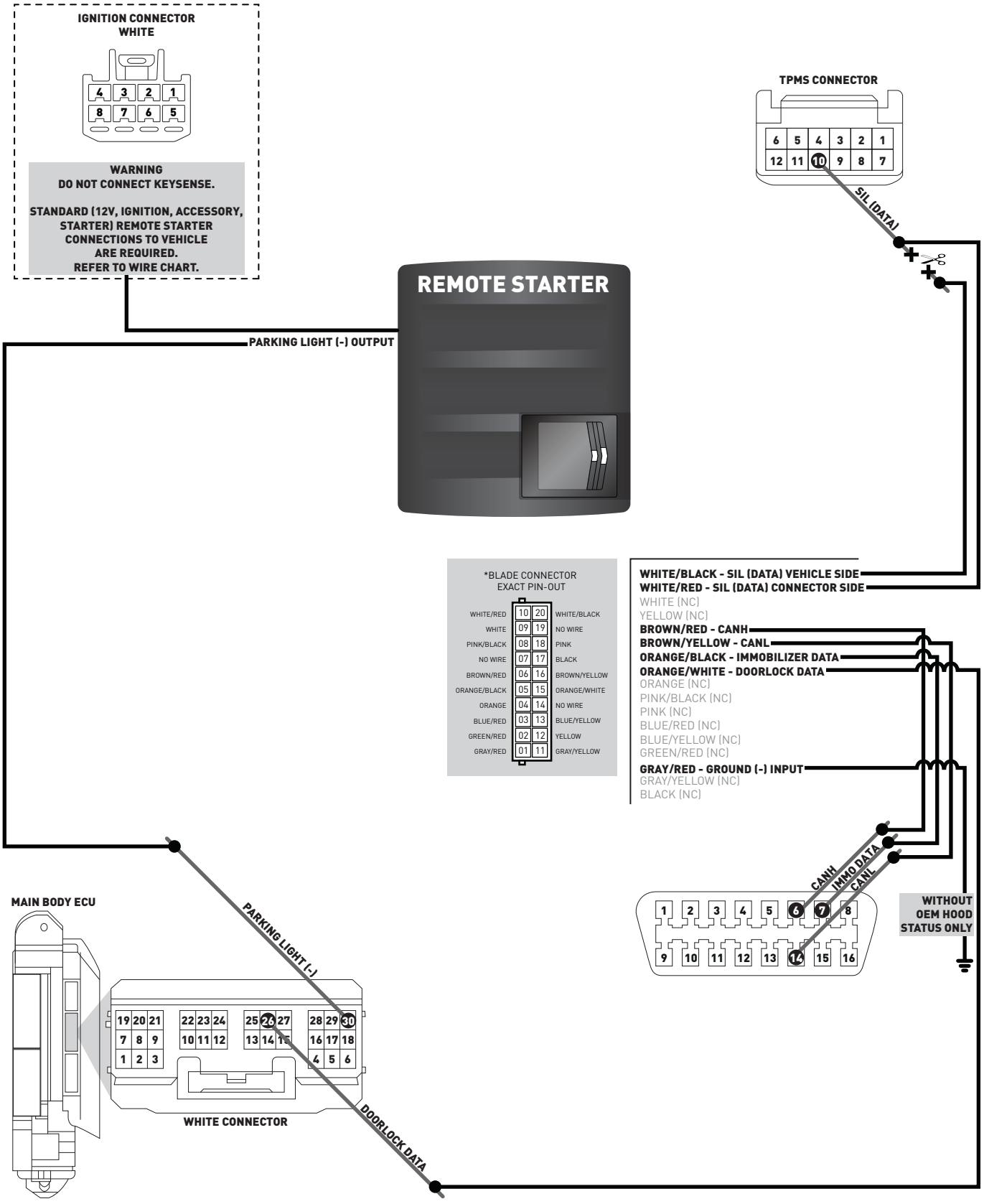
TYPE 6 - WIRING DIAGRAM



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TYPE 7 - WIRE CROSS REFERENCE CHART

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
TOYOTA	Tundra Regular key	11-13	CanH	OBDII	~	16 pin	06	Violet	(DATA)	OBDII	F
			CanL	OBDII	~	16 pin	14	White	(DATA)	OBDII	F
			Immobilizer	OBDII	~	16 pin	07	Beige	(DATA)	OBDII	F
			SIL	J31	White	12 pin	10	Blue	(DATA)	TPMS module behind glove box	B
			Parking Light	J10	White	20 pin	18	Gray	(-)	At light switch	~
			12V	DA	White	01 pin	01	Black	(+)	Fuse box	F
			Ignition 1	J9	White	08 pin	06	Black	(+)	Ignition connector	D
			Ignition 2	J9	White	08 pin	01	LtGreen	(+)	Ignition connector	D
			Accessory	J9	White	08 pin	02	Gray	(+)	Ignition connector	D
			Starter 1	J9	White	08 pin	07	Green	(+)	Ignition connector	D

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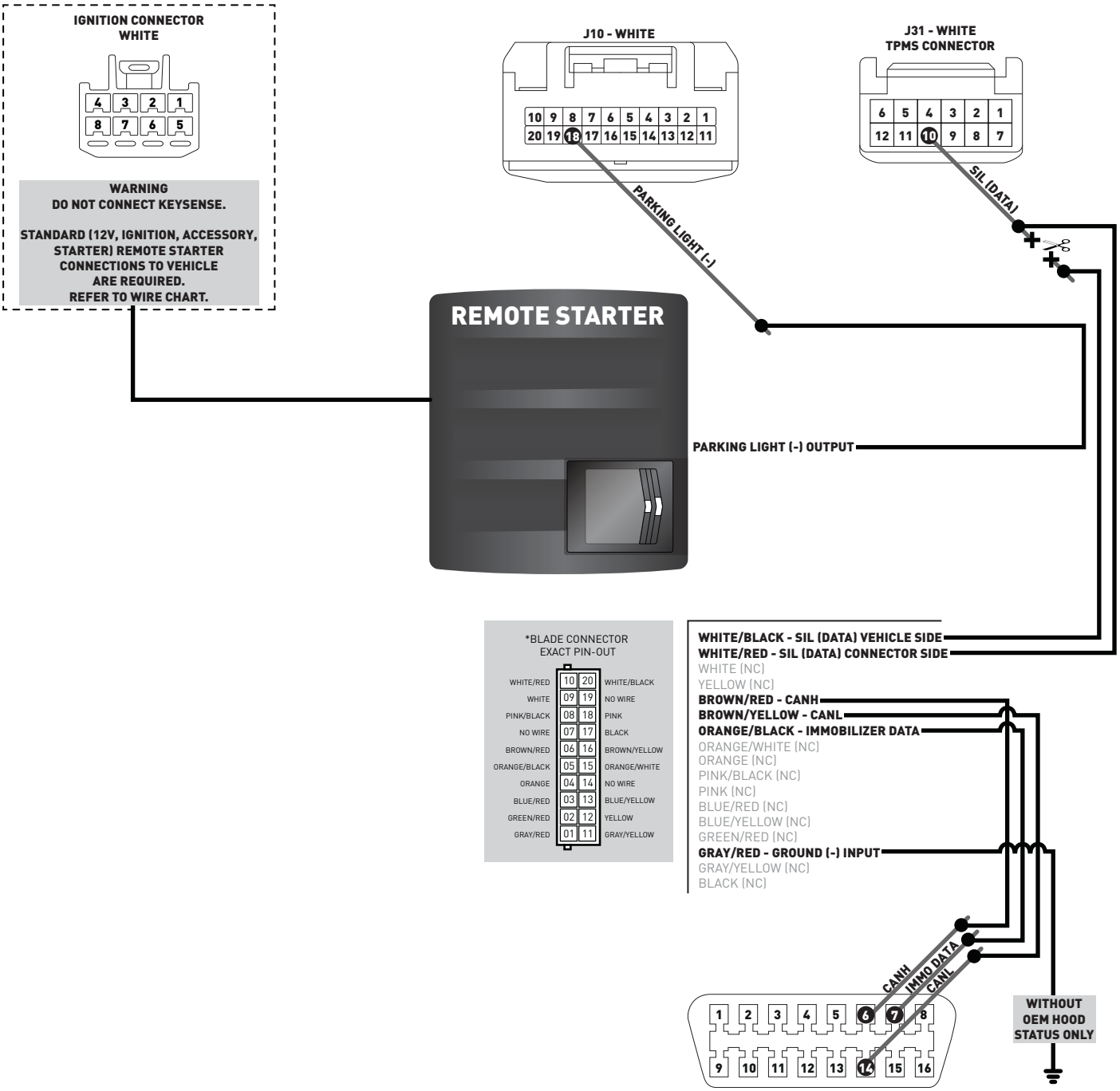
TYPE 7 - WIRING DIAGRAM



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TYPE 8 - WIRE CROSS REFERENCE CHART

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
TOYOTA	Sequoia Regular key	11-13	CanH	DLC3	White	16 pin	06	Purple	(DATA)	OBDII	F
			CanL	DLC3	White	16 pin	14	White	(DATA)	OBDII	F
			Immobilizer	DLC3	White	16 pin	07	Beige	(DATA)	OBDII	F
			SIL	H40	White	12 pin	10	Blue	(DATA)	TPMS module behind glove box	B
			Parking Light	H11	White	20 pin	18	Beige	(-)	At light switch	~
			12V	~	White	01 pin	01	White	(+)	Fuse box	D
			Ignition 1	H10	White	08 pin	01	Green	(+)	Ignition connector	D
			Ignition 2	H10	White	08 pin	06	Black	(+)	Ignition connector	D
			Accessory	H10	White	08 pin	02	Gray	(+)	Ignition connector	D
			Starter 1	H10	White	08 pin	07	Green	(+)	Ignition connector	D
			Liftgate	H70	White	08 pin	06	Red	(-)	At liftgate switch	A

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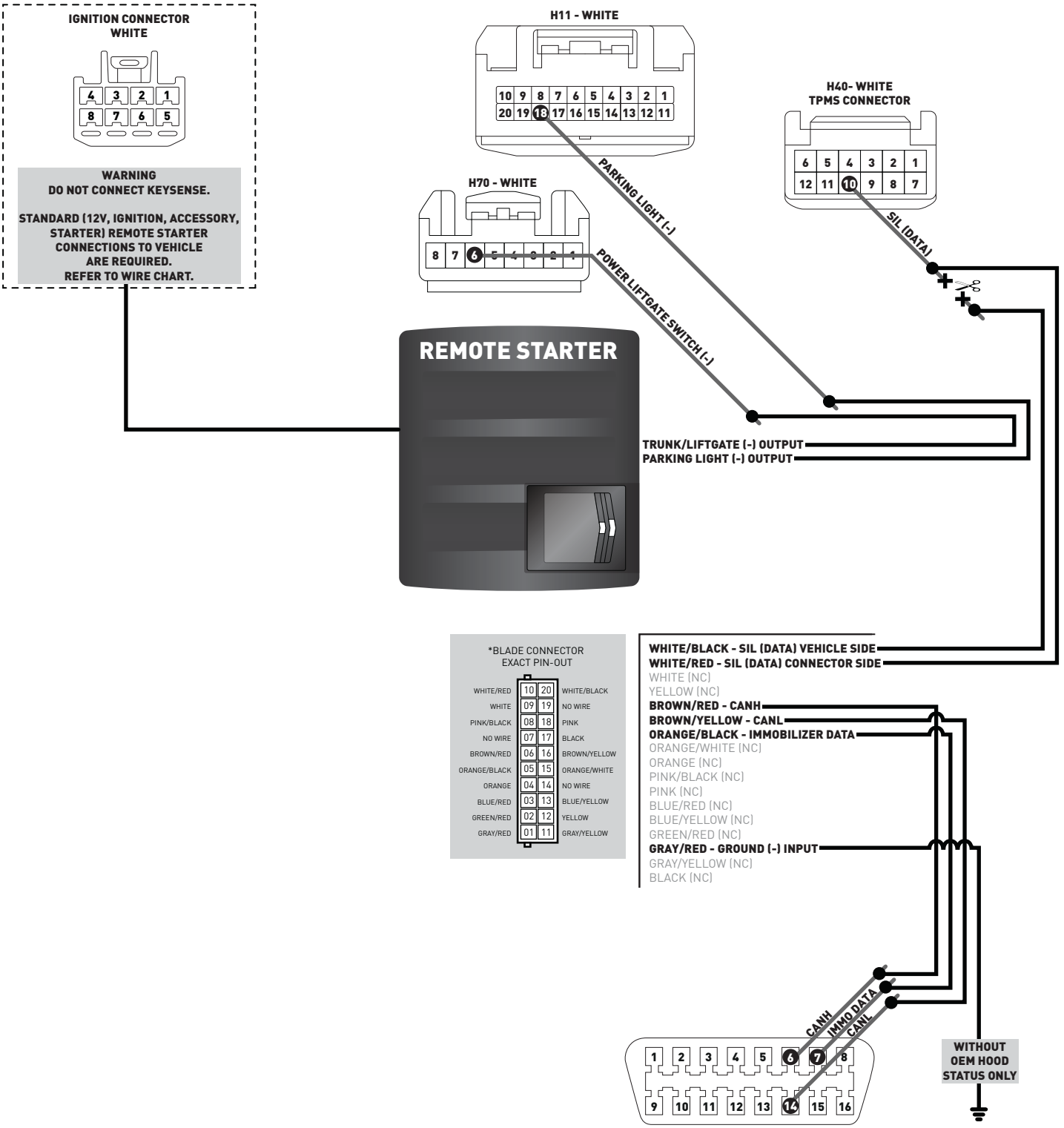
TYPE 8 - WIRING DIAGRAM



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TYPE 9 - WIRE CROSS REFERENCE CHART

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
SCION	xD Regular key	11-13	CanH	DLC3	~	16 pin	06	Purple	(DATA)	OBDII	F
			CanL	DLC3	~	16 pin	14	White	(DATA)	OBDII	F
			Immobilizer	DLC3	~	16 pin	07	White or Blue	(DATA)	OBDII	F
			Parking Light	F6	White	13 pin	13	White	(-)	At light switch	~
			12V	A29	White	01 pin	01	White	(+)	Fuse box	D
			Ignition 1	F9	White	08 pin	01	Green	(+)	Ignition connector	D
			Ignition 2	F9	White	08 pin	06	Pink	(+)	Ignition connector	D
			Accessory	F9	White	08 pin	02	White	(+)	Ignition connector	D
			Starter 1	F9	White	08 pin	07	Black	(+)	Ignition connector	D
TOYOTA	Yaris Hatchback Regular key	11	CanH	DLC3	~	16 pin	06	Purple	(DATA)	OBDII	F
			CanL	DLC3	~	16 pin	14	White	(DATA)	OBDII	F
			Immobilizer	DLC3	~	16 pin	07	Blue or Black	(DATA)	OBDII	F
			Parking Light	D4	White	13 pin	13	White	(-)	At light switch	~
			12V	D8	White	08 pin	04	Yellow	(+)	Fuse box	D
			Ignition 1	D8	White	08 pin	01	Green	(+)	Ignition connector	D
			Ignition 2	D8	White	08 pin	06	Pink	(+)	Ignition connector	D
			Accessory	D8	White	08 pin	02	White	(+)	Ignition connector	D
			Starter 1	D8	White	08 pin	07	Black	(+)	Ignition connector	D
	Yaris Sedan Regular key	11-12	CanH	DLC3	~	16 pin	06	Purple	(DATA)	OBDII	F
			CanL	DLC3	~	16 pin	14	White	(DATA)	OBDII	F
			Immobilizer	DLC3	~	16 pin	07	Blue or Black	(DATA)	OBDII	F
			Parking Light	D4	White	13 pin	13	White	(-)	At light switch	~
			12V	D8	White	08 pin	04	Yellow	(+)	Fuse box	D
			Ignition 1	D8	White	08 pin	01	Green	(+)	Ignition connector	D
			Ignition 2	D8	White	08 pin	06	Pink	(+)	Ignition connector	D
			Accessory	D8	White	08 pin	02	White	(+)	Ignition connector	D
			Starter 1	D8	White	08 pin	07	Black	(+)	Ignition connector	D

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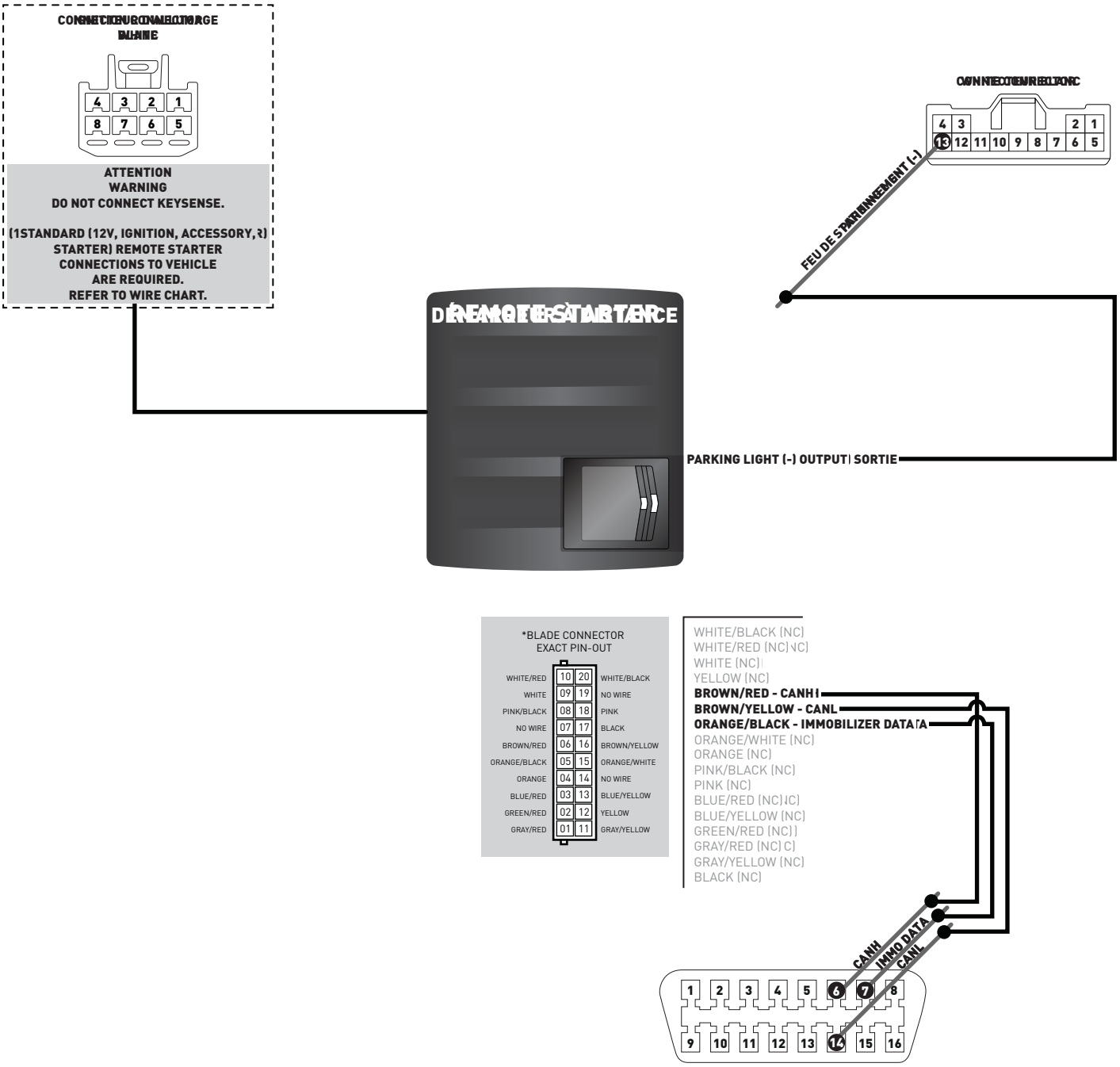
TYPE 9 - WIRING DIAGRAM



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TYPE 10 - WIRE CROSS REFERENCE CHART

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
TOYOTA	Prius C Regular key	12-13	CanH	OBDII	~	16 pin	06	Gray	(DATA)	OBDII	F
			CanL	OBDII	~	16 pin	14	White	(DATA)	OBDII	F
			Immobilizer	OBDII	~	16 pin	07	Black	(DATA)	OBDII	F
			Parking Light	G10	White	20 pin	18	LtBlue	(-)	At parking light switch	~
			12V	G15	White	08 pin	05	Black	(+)	Ignition connector	D
			Ignition 1	G15	White	08 pin	01	LtBlue	(+)	Ignition connector	D
			Ignition 2	G15	White	08 pin	06	Pink	(+)	Ignition connector	D
			Accessory	G15	White	08 pin	02	Blue	(+)	Ignition connector	D
			Starter 1	G15	White	08 pin	07	Green	(+)	Ignition connector	D
			Starter 2	~	~	~	~	~	~	~	~

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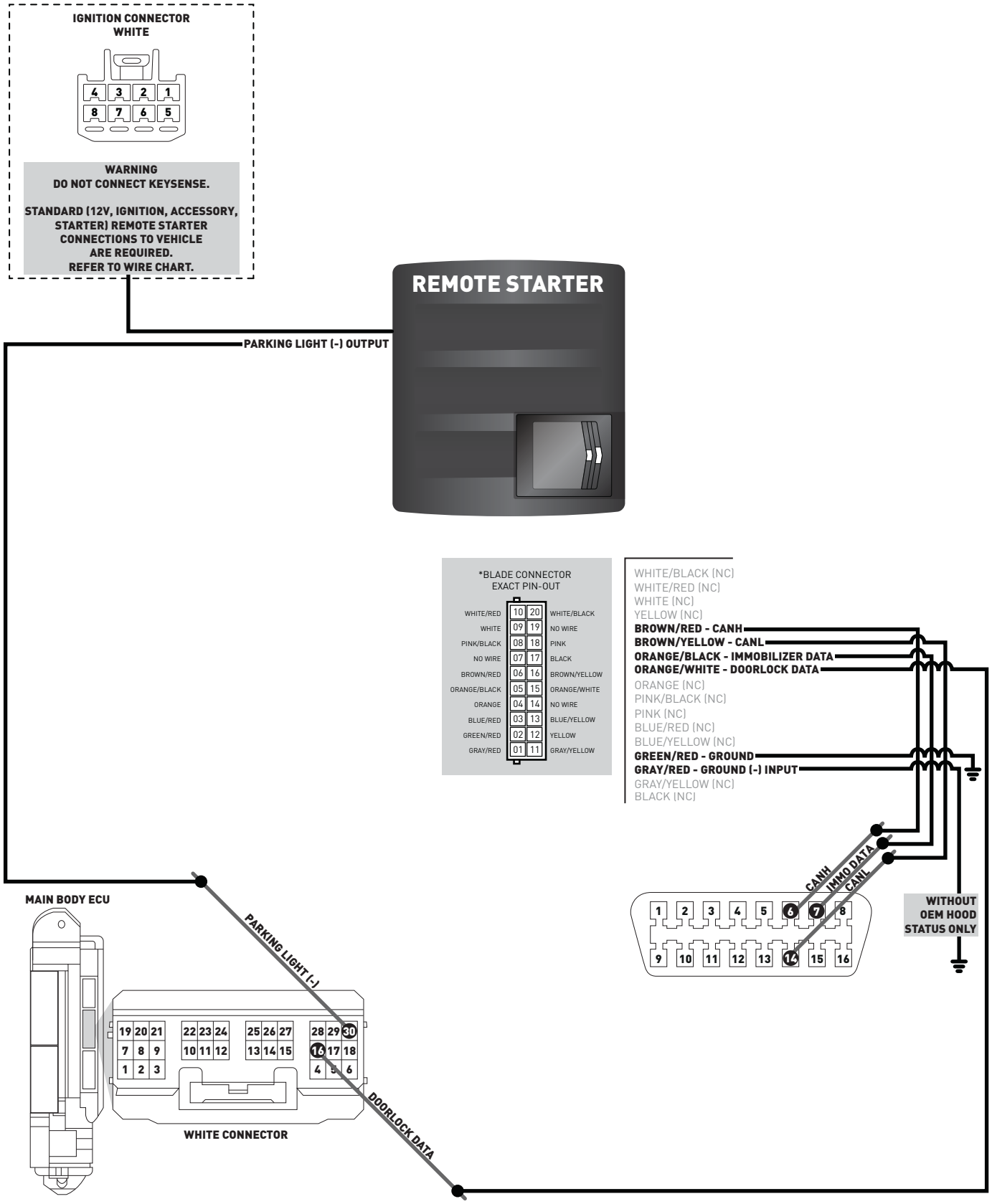
TYPE 10 - WIRING DIAGRAM



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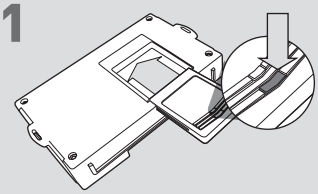
CARTRIDGE INSTALLATION

1



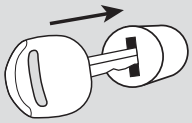
Slide cartridge into unit. Notice button under LED.

2

Ready for Module Programming Procedure.

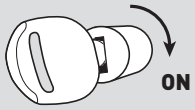
MODULE PROGRAMMING PROCEDURE

1



Insert key into ignition.

2

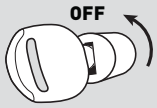


Turn key to ON position.

3

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

4



Turn key to OFF position.

5

Module Programming Procedure completed.

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IDENTIFY VEHICLE YEAR

1

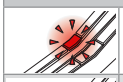
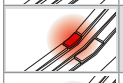
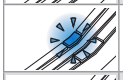
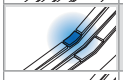
Locate the Vehicle Identification Number (VIN) and identify the 10th character.

2

Match the VIN's 10th character to its corresponding year.

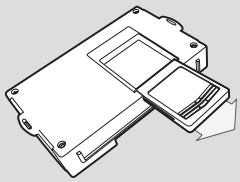
L → 1990	**S** → 1995	**Y** → 2000	**5** → 2005	**A** → 2010
M → 1991	**T** → 1996	**1** → 2001	**6** → 2006	**B** → 2011
N → 1992	**V** → 1997	**2** → 2002	**7** → 2007	**C** → 2012
P → 1993	**W** → 1998	**3** → 2003	**8** → 2008	**D** → 2013
R → 1994	**X** → 1999	**4** → 2004	**9** → 2009	**E** → 2014

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 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

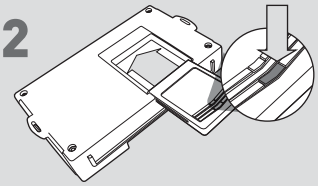
FACTORY RESET PROCEDURE

1



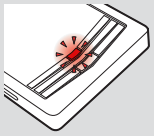
DISCONNECT cartridge from remote starter.

2



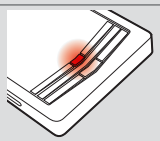
PRESS AND HOLD programming button while re-connecting cartridge to remote starter.

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.

This product is protected by one or more of the following patents: **U.S. LETTERS PATENT NO.** 5,719,551; 6,011,460; 6,243,004; 6,249,216; 6,275,147; 6,297,731; 6,346,876; 6,392,534; 6,529,124; 6,696,927; 6,756,885; 6,756,886; 6,771,167; 6,812,829; 6,924,750; 7,010,402; 7,031,826; 7,046,126; 7,061,137; 7,068,153; 7,015,830; 7,205,679; 7,224,083; 7,369,936; 7,378,945; 7,489,233; 7,501,937; **CANADIAN PATENT NO.** 2,320,248; 2,415,023; 2,426,670; 2,414,991; 2,415,011; 2,415,027; 2,415,038; 2,415,041; 2,502,893; 2,451,490; 2,452,296; 2,451,487; **EUROPEAN PATENT NO.** 1,053,128; **DE** 69807-941T2; **U.S.** 20020145535; 20060129282; 20060129284; 20040017284; 20080030316; 20090079552; **EP**1500565; 1538038; 1538037;

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