

BLADE

SERIES

Automotive Data Solutions Inc.

INSTALL GUIDE BLADE-AL(DL)-TL2-EN

TL2

AVAILABLE FOR: ADS-BLADE AL

Rev. Date: December 05, 2012

Doc. No.: ##10203##

20121130

VERSION FRANÇAISE DISPONIBLE EN LIGNE AU WWW.BLADEUPDATE.COM

PLEASE VISIT WWW.BLADEUPDATE.COM FOR COMPLETE PRODUCT DETAILS

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 **TOYOTA LEXUS**

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.

INSTALL TYPE SELECTION

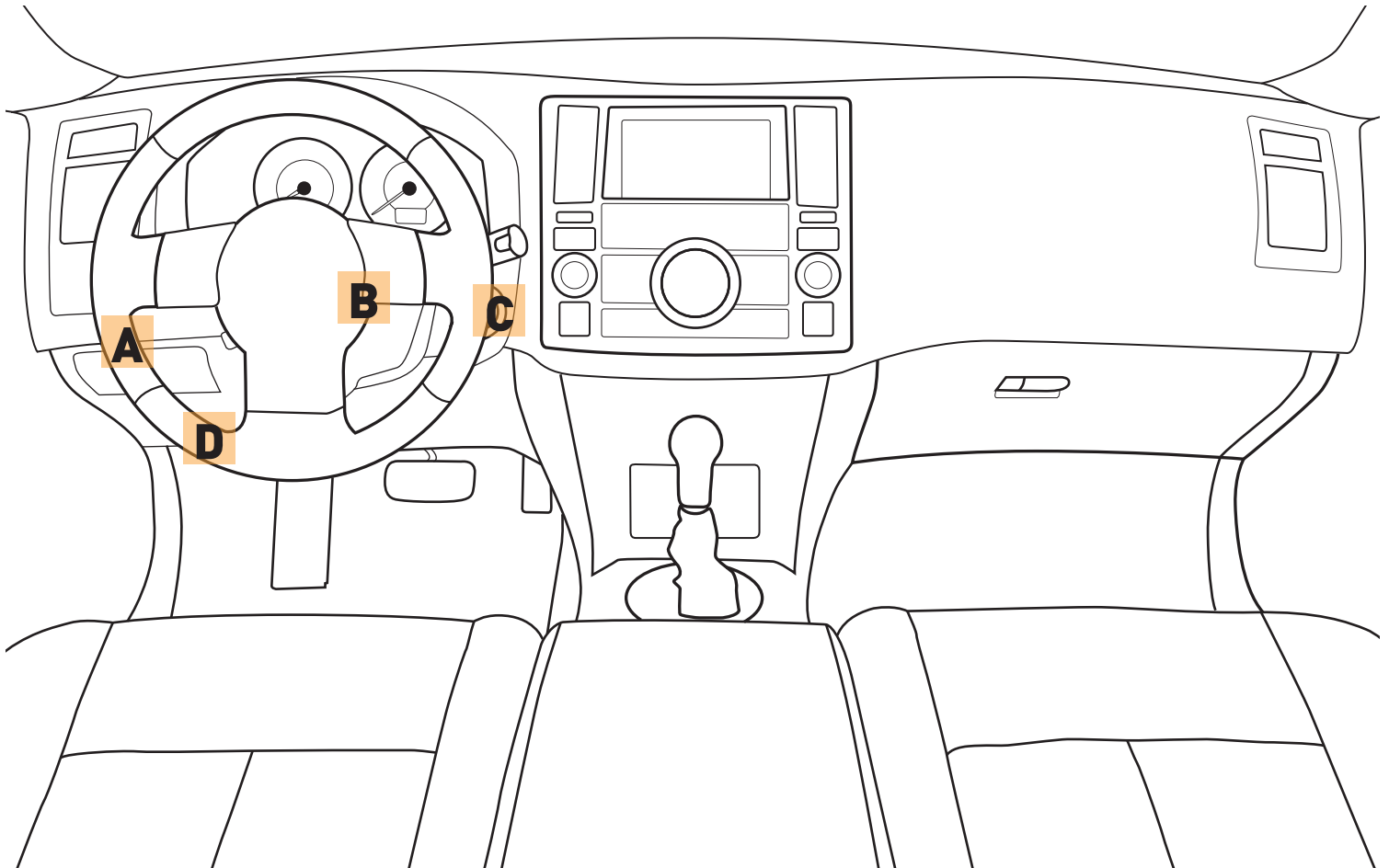
MAKE	MODEL	YEAR	INSTALL TYPE	FEATURES															
				DATA IMMOBILIZER BYPASS	PUSH TO START CTRL	ARM OEM ALARM	DISARM OEM ALARM	DOOR LOCK	DOOR UNLOCK	POWER SLIDING DOOR (L)	POWER SLIDING DOOR (R)	TRUNK/HATCH RELEASE	POWER LIFTGATE	TACHOMETER OUTPUT	BRAKE PEDAL STAT OUTPUT	E-BRAKE OUTPUT	DOOR STAT OUTPUT	TRUNK STAT OUTPUT	HOOD STAT OUTPUT*
LEXUS	CT200h PTS	11-13	3	•	•	•	•	•	•				•	•	•	•	•	•	•
	GX460 PTS	10-13	2	•	•	•	•	•	•				•	•	•	•	•	•	•
	HS250h PTS	10-12	3	•	•	•	•	•	•			•		•	•	•	•	•	•
	RX350 PTS	10-13	2	•	•	•	•	•	•				•	•	•	•	•	•	•
	RX450h PTS	10-13	2	•	•	•	•	•	•				•	•	•	•	•	•	•
TOYOTA	4Runner PTS	10-13	2	•	•	•	•	•	•				•	•	•	•	•	•	•
	Prius PTS	10-13	3	•	•	•	•	•	•				•	•	•	•	•	•	•
	Prius V PTS	12-13	3	•	•	•	•	•	•				•	•	•	•	•	•	•
	Sienna PTS	11-13	2	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•
	Venza PTS	09-13	1	•	•	•	•	•	•	•			•	•	•	•	•	•	•

NOTE

1 Keyless and smart-key systems will remain functional during remote start.

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

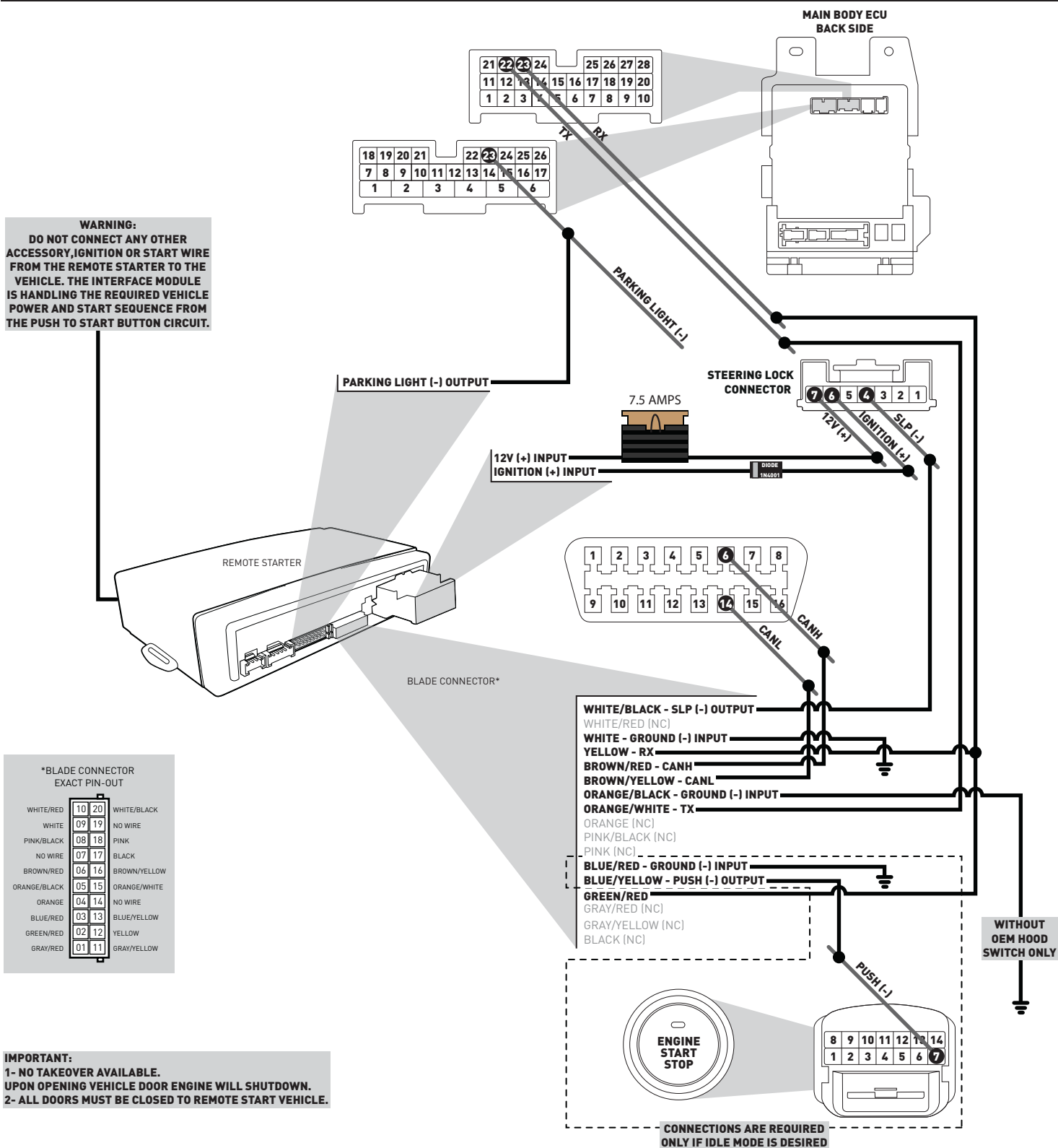
COMPONENT LOCATOR



TYPE 1 - WIRE CROSS REFERENCE CHART

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
TOYOTA	Venza PTS	09-13	CanH	D1	~	16 pin	06	Yellow	(DATA)	OBDII	D
			CanL	D1	~	16 pin	14	White	(DATA)	OBDII	D
			12V	D17	~	07 pin	07	Pink	(+)	Black connector at steering lock	B
			Ignition	D17	~	07 pin	06	LtGreen	(+)	Black connector at steering lock	B
			SLP	D17	~	07 pin	04	Violet	(-)	Black connector at steering lock	B
			TX	D49	~	28 pin	22	Blue	(DATA)	Main body ECU, back side	A
			RX	D49	~	28 pin	23	Black	(DATA)	Main body ECU, back side	A
			Parking	D50	~	26 pin	23	Red	(-)	Main body ECU, back side	A
			Push	D13	~	14 pin	07	Blue	(-)	Push to start button	C

TYPE 1 - WIRING DIAGRAM

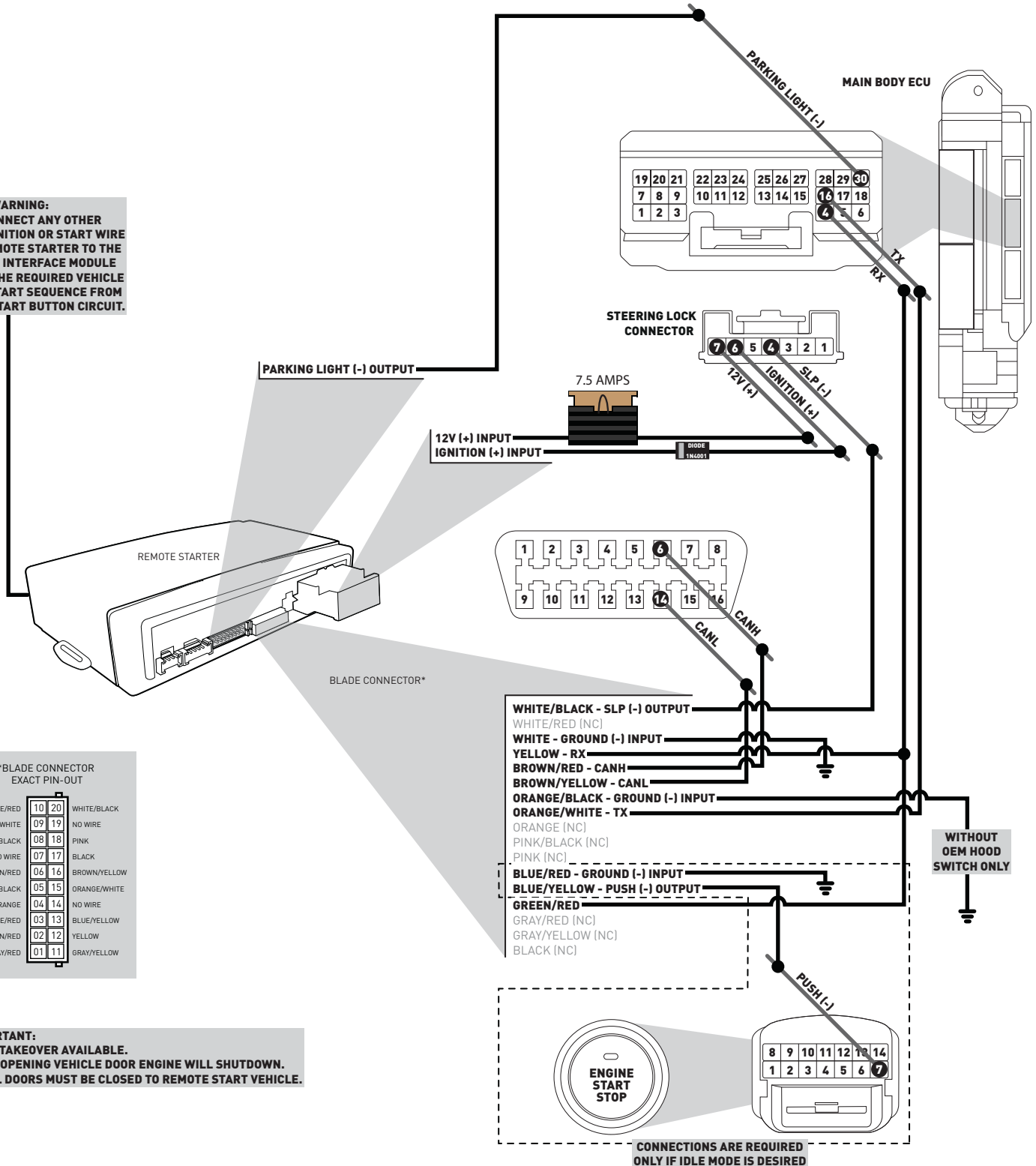


TYPE 2 - WIRE CROSS REFERENCE CHART

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR				WIRE COLOR	POLARITY	LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE	POSITION				
LEXUS	GX460 PTS	10-13	CanH	G37	White	16 pin	06	Red	(DATA)	OBDII	D
			CanL	G37	White	16 pin	14	White	(DATA)	OBDII	D
			12V	G23	Black	07 pin	07	Green	(+)	Steering lock	B
			Ignition	G23	Black	07 pin	06	White	(+)	Steering lock	B
			SLP	G23	Black	07 pin	04	LtBlue	(-)	Steering lock	B
			TX	G47	White	30 pin	16	Green	(DATA)	Main body ECU	A
			RX	G47	White	30 pin	04	Red	(DATA)	Main body ECU	A
			Parking Light	G47	White	30 pin	30	White	(-)	Main body ECU	A
	Push	G24	Black	14 pin	07	LtGreen	(-)	Push to start button	C		
	RX350 PTS	10-13	CanH	F17	~	16 pin	06	Violet	(DATA)	OBDII	D
			CanL	F17	~	16 pin	14	Red	(DATA)	OBDII	D
			12V	F37	Black	07 pin	07	Blue	(+)	Steering lock	B
			Ignition	F37	Black	07 pin	06	Black	(+)	Steering lock	B
			SLP	F37	Black	07 pin	04	Green	(-)	Steering lock	B
			TX	F14	~	30 pin	16	LtGreen	(DATA)	Main body ECU	A
			RX	F14	~	30 pin	04	Pink	(DATA)	Main body ECU	A
			Parking Light	F14	~	30 pin	30	Violet	(-)	Main body ECU	A
	Push	F22	~	14 pin	07	LtGreen	(-)	Push to start button	C		
	RX450h PTS	10-13	CanH	F17	~	16 pin	06	Violet	(DATA)	OBDII	D
			CanL	F17	~	16 pin	14	Red	(DATA)	OBDII	D
			12V	F37	Black	07 pin	07	Blue	(+)	Steering lock	B
			Ignition	F37	Black	07 pin	06	Black	(+)	Steering lock	B
			SLP	F37	Black	07 pin	04	Green	(-)	Steering lock	B
			TX	F14	~	30 pin	16	LtGreen	(DATA)	Main body ECU	A
			RX	F14	~	30 pin	04	Pink	(DATA)	Main body ECU	A
			Parking Light	F14	~	30 pin	30	Violet	(-)	Main body ECU	A
	Push	F22	~	14 pin	07	LtGreen	(-)	Push to start button	C		
	TOYOTA	4Runner PTS	10-13	CanH	F13	~	16 pin	06	Violet	(DATA)	OBDII
CanL				F13	~	16 pin	14	White	(DATA)	OBDII	D
12V				F68	Black	07 pin	07	Gray	(+)	Steering lock	B
Ignition				F68	Black	07 pin	06	White	(+)	Steering lock	B
SLP				F68	Black	07 pin	04	LtBlue	(-)	Steering lock	B
TX				F10	~	30 pin	16	White	(DATA)	Main body ECU	A
RX				F10	~	30 pin	04	Gray	(DATA)	Main body ECU	A
Parking Light				F10	~	30 pin	30	Red	(-)	Main body ECU	A
Push		F71	~	14 pin	07	LtGreen	(-)	Push to start button	C		
Sienna PTS		11-13	CanH	D16	~	16 pin	06	Red	(DATA)	OBDII	D
			CanL	D16	~	16 pin	14	White	(DATA)	OBDII	D
			12V	D29	Black	07 pin	07	Red	(+)	Steering lock	B
			Ignition	D29	Black	07 pin	06	Black	(+)	Steering lock	B
			SLP	D29	Black	07 pin	04	Green	(-)	Steering lock	B
			TX	D13	~	30 pin	16	Blue	(DATA)	Main body ECU	A
			RX	D13	~	30 pin	04	Black	(DATA)	Main body ECU	A
	Parking Light		D13	~	30 pin	30	Yellow	(-)	Main body ECU	A	
Push	D33	~	14 pin	07	LtBlue	(-)	Push to start button	C			

TYPE 2 - WIRING DIAGRAM

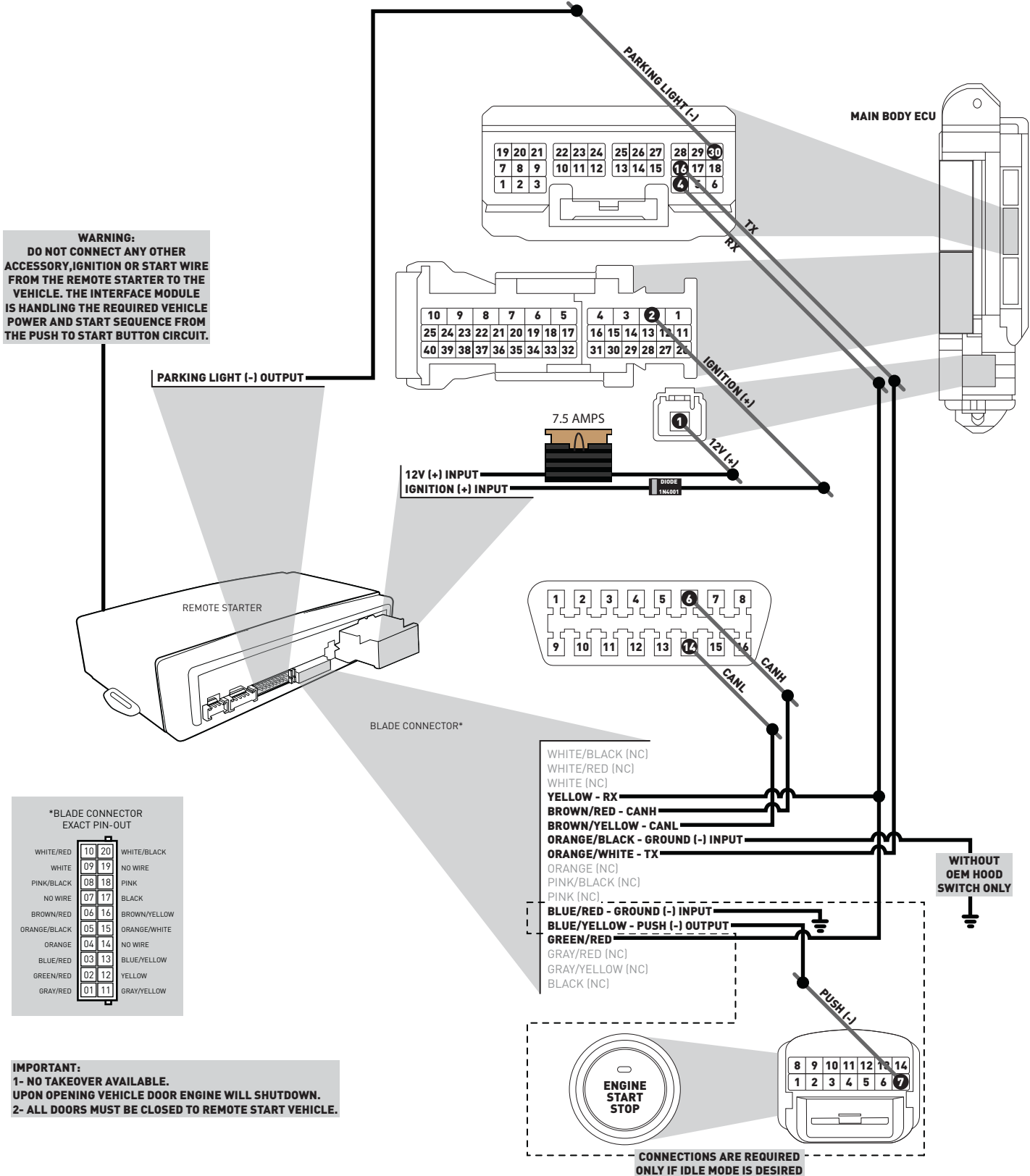
WARNING:
DO NOT CONNECT ANY OTHER ACCESSORY, IGNITION OR START WIRE FROM THE REMOTE STARTER TO THE VEHICLE. THE INTERFACE MODULE IS HANDLING THE REQUIRED VEHICLE POWER AND START SEQUENCE FROM THE PUSH TO START BUTTON CIRCUIT.



TYPE 3 - WIRE CROSS REFERENCE CHART

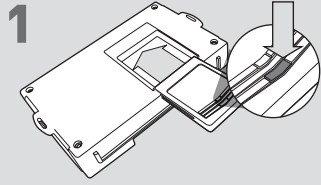
MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR			POSITION	WIRE COLOR	POLARITY	LOCATION	COMPONENT LOCATOR
				NAME	COLOR	TYPE					
LEXUS	CT200h PTS	11-13	CanH	~	~	16 pin	06	Red	(DATA)	OBDII	D
			CanL	~	~	16 pin	14	White	(DATA)	OBDII	D
			12V	~	~	01 pin	01	White	(+)	Main body ECU	A
			Ignition	~	~	40 pin	02	Red	(+)	Main body ECU	A
			TX	~	~	30 pin	16	LtBlue	(DATA)	Main body ECU	A
			RX	~	~	30 pin	04	Yellow	(DATA)	Main body ECU	A
			Parking Light	~	~	30 pin	30	Yellow	(-)	Main body ECU	A
	Push	~	~	14 pin	07	Black	(-)	Push to start button	C		
	HS250h PTS	10-12	CanH	F11	~	16 pin	06	Green	(DATA)	OBDII	D
			CanL	F11	~	16 pin	14	Black	(DATA)	OBDII	D
			12V	2E	~	01 pin	01	White	(+)	Main body ECU	A
			Ignition	2C	~	40 pin	02	White	(+)	Main body ECU	A
			TX	F9	~	30 pin	16	Blue	(DATA)	Main body ECU	A
			RX	F9	~	30 pin	04	Yellow	(DATA)	Main body ECU	A
Parking Light			F9	~	30 pin	30	White/Black	(-)	Main body ECU	A	
Push	F2	~	14 pin	07	Blue	(-)	Push to start button	C			
TOYOTA	Prius PTS	10-13	CanH	L61	~	16 pin	06	White	(DATA)	OBDII	D
			CanL	L61	~	16 pin	14	Yellow	(DATA)	OBDII	D
			12V	2E	~	01 pin	01	White	(+)	Main body ECU	A
			Ignition	2C	~	40 pin	02	Red	(+)	Main body ECU	A
			TX	L7	~	30 pin	16	Green	(DATA)	Main body ECU	A
			RX	L7	~	30 pin	04	Violet	(DATA)	Main body ECU	A
			Parking Light	L7	~	30 pin	30	Yellow	(-)	Main body ECU	A
	Push	L43	~	14 pin	07	Black	(-)	Push to start button	C		
	Prius V PTS	12-13	CanH	L61	~	16 pin	06	Black	(DATA)	OBDII	D
			CanL	L61	~	16 pin	14	White	(DATA)	OBDII	D
			12V	2E	~	01 pin	01	White	(+)	Main body ECU	A
			Ignition	2C	~	40 pin	02	Black	(+)	Main body ECU	A
			TX	L7	~	30 pin	16	Green	(DATA)	Main body ECU	A
			RX	L7	~	30 pin	04	Violet	(DATA)	Main body ECU	A
Parking Light			L7	~	30 pin	30	Yellow	(-)	Main body ECU	A	
Push	L43	~	14 pin	07	Black	(-)	Push to start button	C			

TYPE 3 - WIRING DIAGRAM



IMPORTANT:
1- NO TAKEOVER AVAILABLE.
UPON OPENING VEHICLE DOOR ENGINE WILL SHUTDOWN.
2- ALL DOORS MUST BE CLOSED TO REMOTE START VEHICLE.

CARTRIDGE INSTALLATION



1 Slide cartridge into unit. Notice button under LED.

2

Ready for Module Programming Procedure.

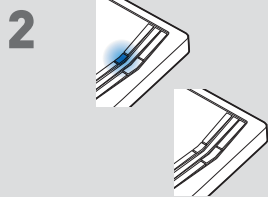
MODULE PROGRAMMING PROCEDURE

NOTE

I Between each step, LED will turn solid RED, this is the default standby mode.



1 Push start button twice [2x] to ON position.



2 Wait, LED will turn solid BLUE then will turn OFF.



3 Push start button once [1x] to OFF position.

4

Module Programming Procedure completed.

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.

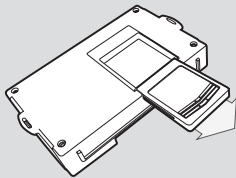
L → 1990	S → 1995	Y → 2000	5 → 2005	A → 2010
M → 1991	T → 1996	1 → 2001	6 → 2006	B → 2011
N → 1992	V → 1997	2 → 2002	7 → 2007	C → 2012
P → 1993	W → 1998	3 → 2003	8 → 2008	D → 2013
R → 1994	X → 1999	4 → 2004	9 → 2009	E → 2014

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

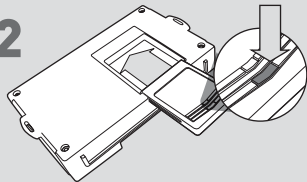
FACTORY RESET PROCEDURE

1



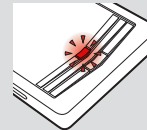
DISCONNECT cartridge from remote starter.

2



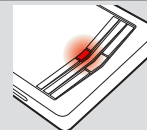
PRESS AND HOLD programming button while re-connecting cartridge to remote starter.

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.