Automotive Data Solutions Inc.

INSTALL GUIDE
ADS-AL(DL)-TL9-EN

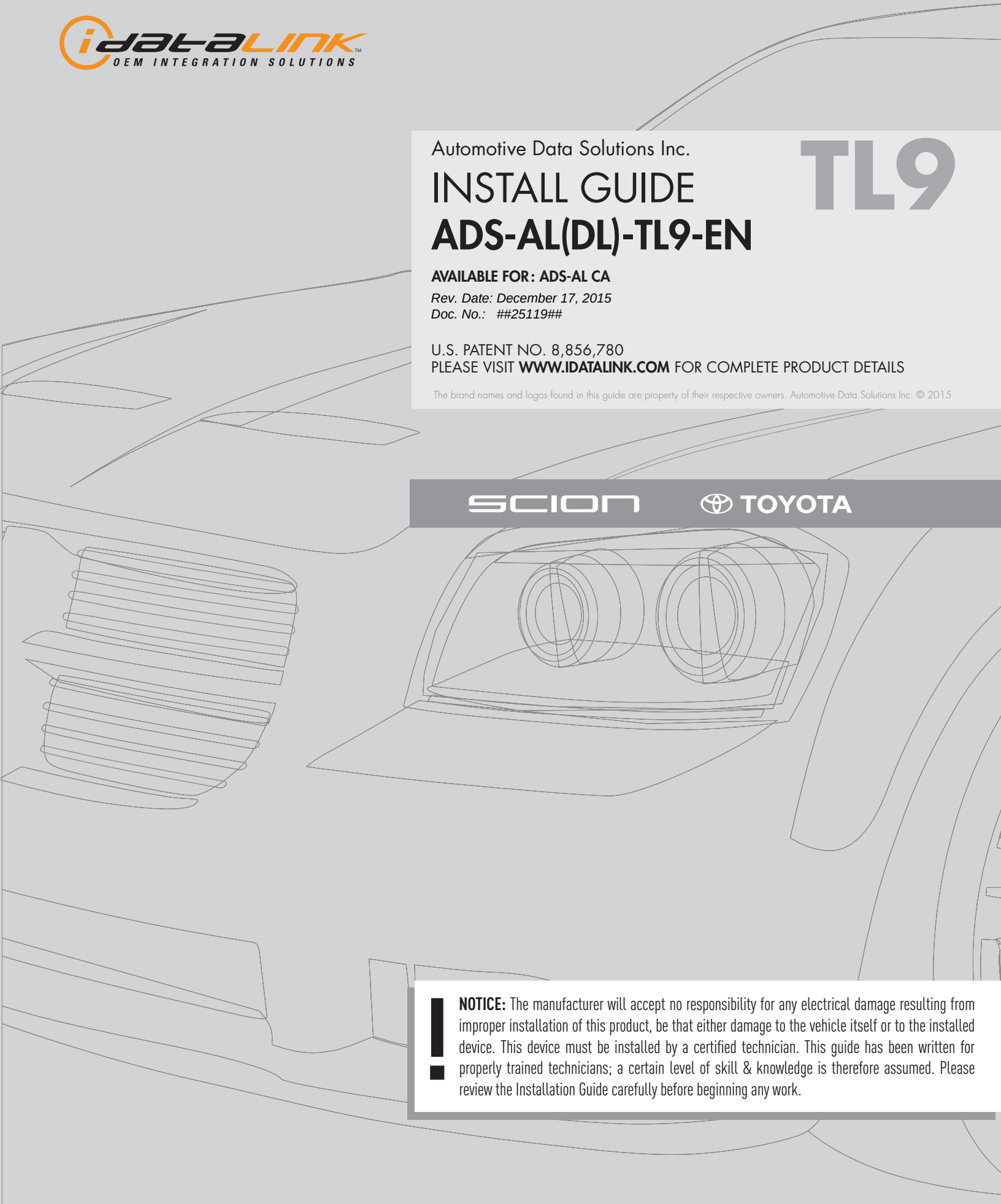
TL9

AVAILABLE FOR: ADS-AL CA

Rev. Date: December 17, 2015
Doc. No.: ##25119##

U.S. PATENT NO. 8,856,780
PLEASE VISIT **WWW.IDATALINK.COM** FOR COMPLETE PRODUCT DETAILS

SCION TOYOTA



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

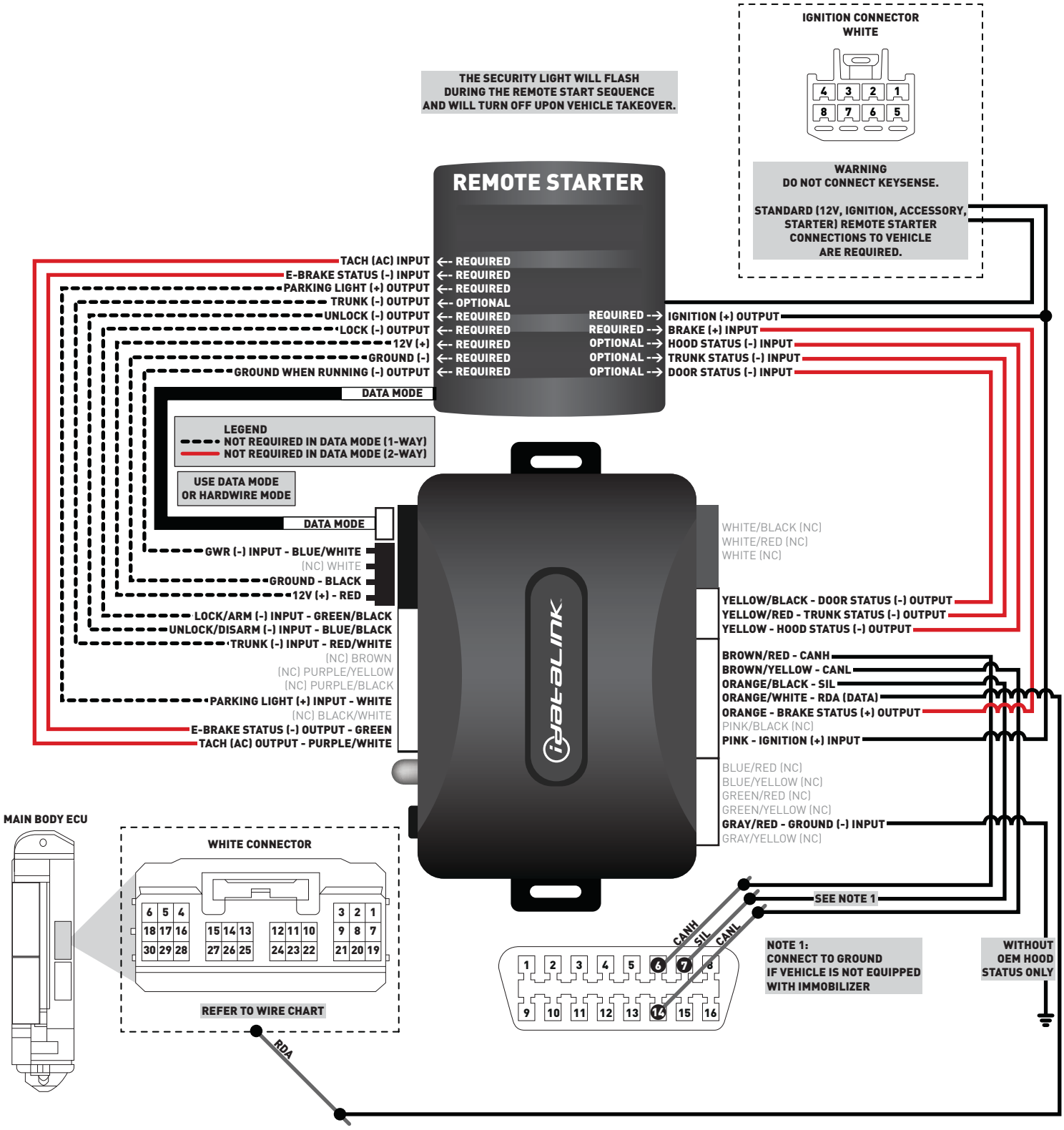
MAKE	MODEL	YEAR	INSTALL TYPE	FEATURES														
				DATA IMMOBILIZER BYPASS	PARKING LIGHT CTRL	ARM OEM ALARM	DISARM OEM ALARM	DOOR LOCK	DOOR UNLOCK	POWER SLIDING DOOR (L)*	POWER SLIDING DOOR (R)*	TRUNK/HATCH RELEASE*	DOOR STATUS OUTPUT	TRUNK STATUS OUTPUT	HOOD STATUS OUTPUT**	TACHOMETER OUTPUT	BRAKE PEDAL STATUS OUTPUT	E-BRAKE OUTPUT
SCION	iM STD key (H)	16	4	•	•	•	•	•	•			•	•	•	•	•	•	•
TOYOTA	Camry STD key (H)	15-16	1	•	•	•	•	•	•			•	•	•	•	•	•	•
	Corolla STD key (H)	14-16	4	•	•	•	•	•	•			•	•	•	•	•	•	•
	Highlander STD key (H)	14-16	1	•	•	•	•	•	•			•	•	•	•	•	•	•
	Prius C STD key (H)	15	1	•	•	•	•	•	•			•	•	•	•	•	•	•
	Rav4 STD key (H)	13-15	4	•	•	•	•	•	•			•	•	•	•	•	•	•
	Rav4 STD key (H)	16	6	•	•	•	•	•	•			•	•	•	•	•	•	•
	Sequoia STD key (H)	15-16	2	•	•	•	•	•	•			•	•	•	•	•	•	•
	Sienna STD key (H)	15	3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Tacoma STD key (H)	16	1	•	•	•	•	•	•				•		•	•	•	•
	Yaris Hatchback STD key (H)	15-16	5	•	•	•	•	•	•			•	•	•	•	•	•	•

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

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
TOYOTA	Camry STD key (H)	15-16	CanH	E13	White	16 pin	06	Blue	(DATA)	OBDII	~
			CanL	E13	White	16 pin	14	White	(DATA)	OBDII	~
			Ignition	I36	White	08 pin	06	Black	(+)	Ignition switch	~
			SIL	E13	White	16 pin	07	Gray	(DATA)	OBDII	~
			RDA	I13	White	30 pin	16	Blue	(DATA)	Near body ECU, driver side	~
	Highlander STD key (H)	14-16	CanH	E13	White	16 pin	06	Purple	(DATA)	OBDII	~
			CanL	E13	White	16 pin	14	White	(DATA)	OBDII	~
			Ignition	F50	White	08 pin	03	Black	(+)	Ignition switch	~
			SIL	E13	White	16 pin	07	LtBlue	(DATA)	OBDII	~
			RDA	F19	White	30 pin	04	LtGreen	(DATA)	Near body ECU, driver side	~
	Prius C STD key (H)	15	CanH	~	White	16 pin	06	Gray	(DATA)	OBDII	~
			CanL	~	White	16 pin	14	White	(DATA)	OBDII	~
			Ignition	~	White	08 pin	06	Pink	(+)	Ignition switch	~
			SIL	E13	White	16 pin	07	Black	(DATA)	OBDII	~
			RDA	~	White	30 pin	16	LtGreen	(DATA)	Near body ECU, driver side	~
	Tacoma STD key (H)	16	CanH	~	White	16 pin	06	Blue	(DATA)	OBDII	~
			CanL	~	White	16 pin	14	White	(DATA)	OBDII	~
			Ignition	~	White	08 pin	06	Black	(+)	Ignition switch	~
			SIL	E13	White	16 pin	07	White	(DATA)	OBDII	~
			RDA	~	White	30 pin	04	Black	(DATA)	Near body ECU, driver side	~

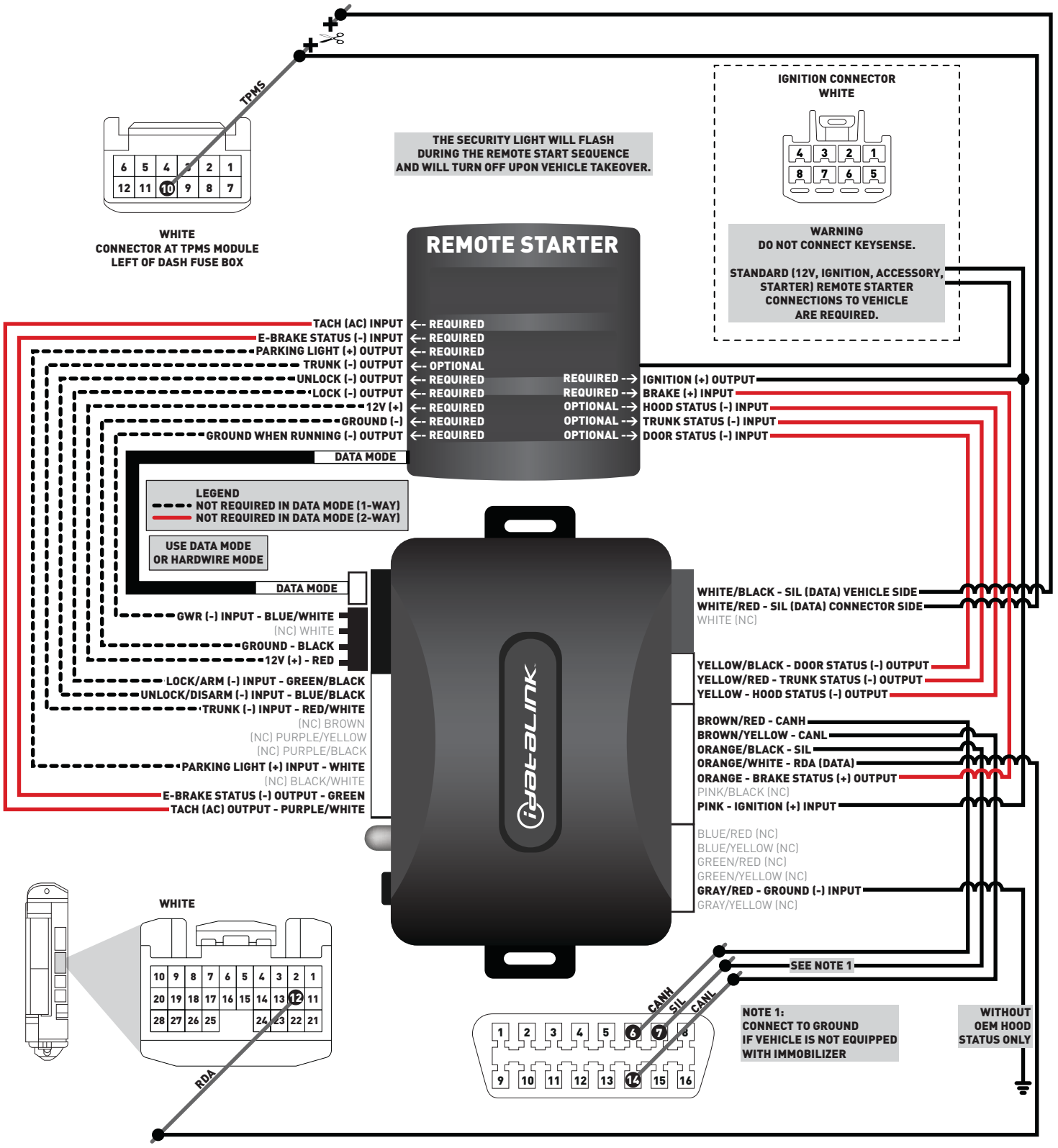
TYPE 1 - WIRING DIAGRAM - 1 OF 1



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
TOYOTA	Sequoia STD key (H)	15-16	CanH	E13	White	16 pin	06	Purple	(DATA)	OBDII	~
			CanL	E13	White	16 pin	14	White	(DATA)	OBDII	~
			Ignition	I36	White	08 pin	06	Black	(+)	Ignition switch	~
			SIL	E13	White	16 pin	07	Beige	(DATA)	OBDII	~
			TPMS	~	White	12 pin	10	Blue	(DATA)	TPMS module behind glove box	~
			RDA	H3	White	28 pin	12	Purple	(DATA)	Main body ECU, left side of dash	~

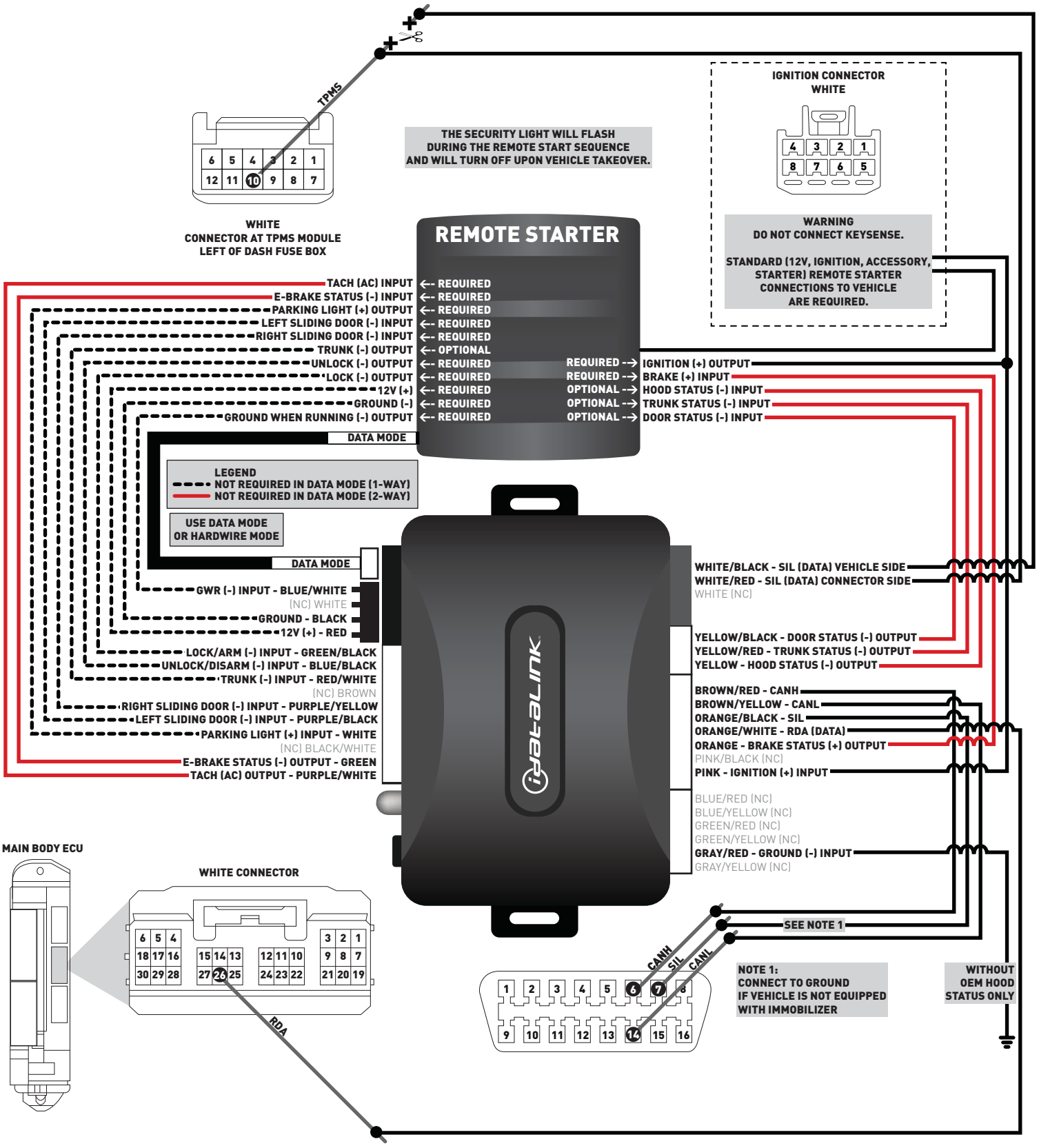
TYPE 2 - WIRING DIAGRAM - 1 OF 1



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
TOYOTA	Sienna STD key (H)	15	CanH	E13	White	16 pin	06	Red	(DATA)	OBDII	~
			CanL	E13	White	16 pin	14	White	(DATA)	OBDII	~
			Ignition	D27	White	08 pin	06	Black	(+)	Ignition switch	~
			SIL	E13	White	16 pin	07	White	(DATA)	OBDII	~
			TPMS	~	White	12 pin	10	White	(DATA)	TPMS module near dash fuse box	~
			RDA	D13	White	30 pin	26	Pink	(DATA)	Near body ECU, driver side	~

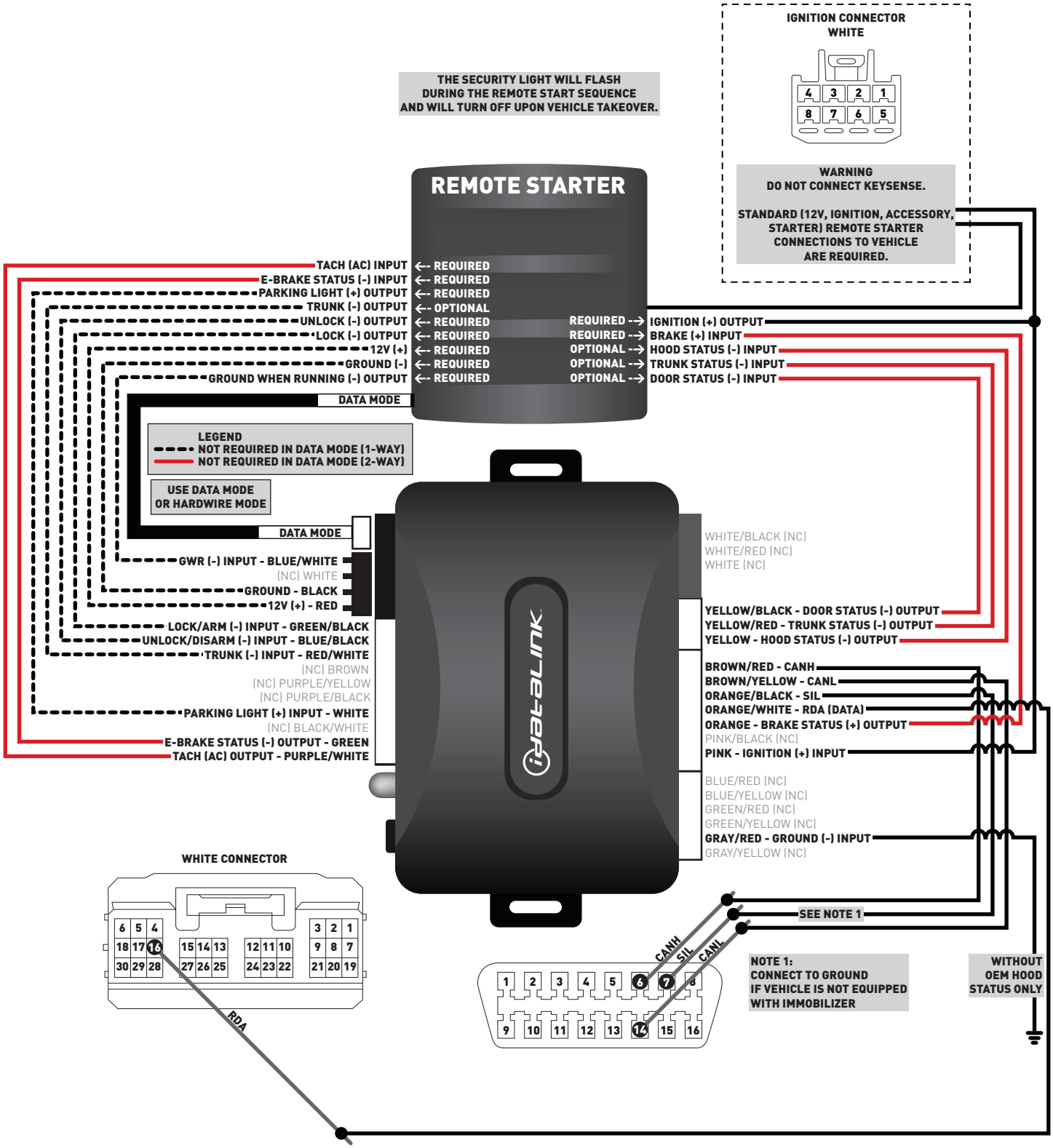
TYPE 3 - WIRING DIAGRAM - 1 OF 1



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
SCION	iM STD key (H)	16	CanH	E13	White	16 pin	06	Red	(DATA)	OBDII	~
			CanL	E13	White	16 pin	14	White	(DATA)	OBDII	~
			Ignition	E4	White	08 pin	03	Gray	(+)	Ignition switch	~
			SIL	E13	White	16 pin	07	LtGreen	(DATA)	OBDII	~
			RDA	E31	White	30 pin	16	Green	(DATA)	Below fuse junction box	~
TOYOTA	Corolla STD key (H)	14-16	CanH	E13	White	16 pin	06	Red	(DATA)	OBDII	~
			CanL	E13	White	16 pin	14	White	(DATA)	OBDII	~
			Ignition	E4	White	08 pin	03	Gray	(+)	Ignition switch	~
			SIL	E13	White	16 pin	07	LtGreen	(DATA)	OBDII	~
			RDA	E31	White	30 pin	16	Green	(DATA)	Below fuse junction box	~
	Rav4 STD key (H)	13-15	CanH	E13	White	16 pin	06	Black	(DATA)	OBDII	~
			CanL	E13	White	16 pin	14	White	(DATA)	OBDII	~
			Ignition	G4	White	08 pin	03	White	(+)	Ignition switch	~
			SIL	E13	White	16 pin	07	DkGreen	(DATA)	OBDII	~
			RDA	E31	White	30 pin	16	LtBlue	(DATA)	Below fuse junction box	~

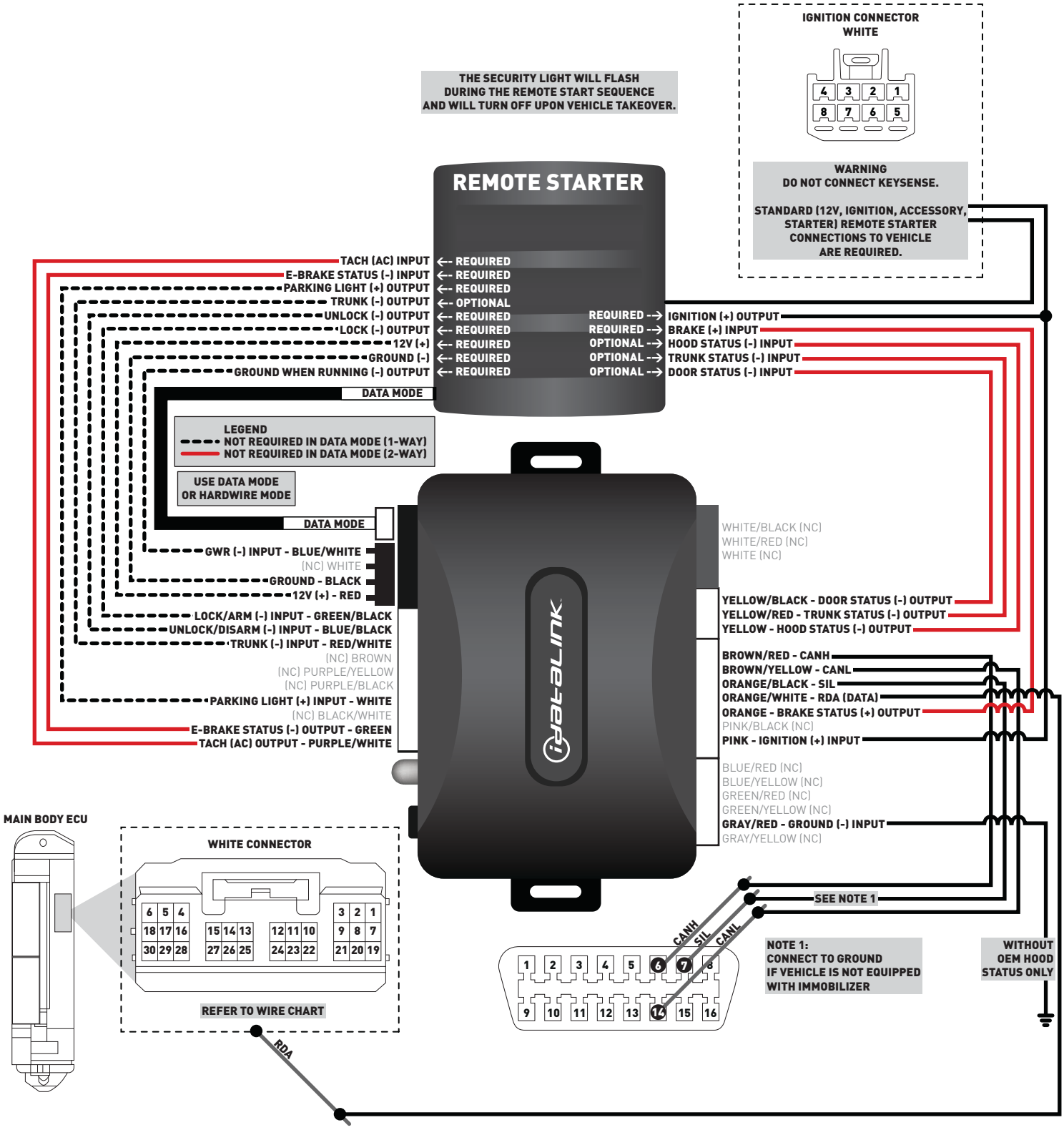
TYPE 4 - WIRING DIAGRAM - 1 OF 1



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
TOYOTA	Yaris Hatchback STD key (H) w/o OEM alarm	15-16	CanH	E13	White	16 pin	06	Gray	(DATA)	OBDII	~
			CanL	E13	White	16 pin	14	White	(DATA)	OBDII	~
			Ignition	D109	White	08 pin	06	Pink	(+)	Ignition switch	~
			SIL	E13	White	16 pin	07	Black	(DATA)	OBDII	~
			RDA	D143	White	30 pin	16	Pink	(DATA)	Near body ECU, driver side	~
	Yaris Hatchback STD key (H) with OEM alarm	15-16	CanH	E13	White	16 pin	06	Gray	(DATA)	OBDII	~
			CanL	E13	White	16 pin	14	White	(DATA)	OBDII	~
			Ignition	D109	White	08 pin	06	Pink	(+)	Ignition switch	~
			SIL	E13	White	16 pin	07	Black	(DATA)	OBDII	~
			RDA	D143	White	30 pin	26	Pink	(DATA)	Near body ECU, driver side	~

TYPE 5 - WIRING DIAGRAM - 1 OF 1



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
TOYOTA	Rav4 STD key (H)	16	CanH	G12	Black	05 pin	03	Pink	(DATA)	Bottom of steering column	~
			CanL	G12	Black	05 pin	02	White	(DATA)	Bottom of steering column	~
			Ignition	G4	White	08 pin	03	White	(+)	Ignition switch	~
			SIL	E13	White	16 pin	07	DkGreen	(DATA)	OBDII	~
			RDA	E31	White	30 pin	16	LtBlue	(DATA)	Below fuse junction box	~

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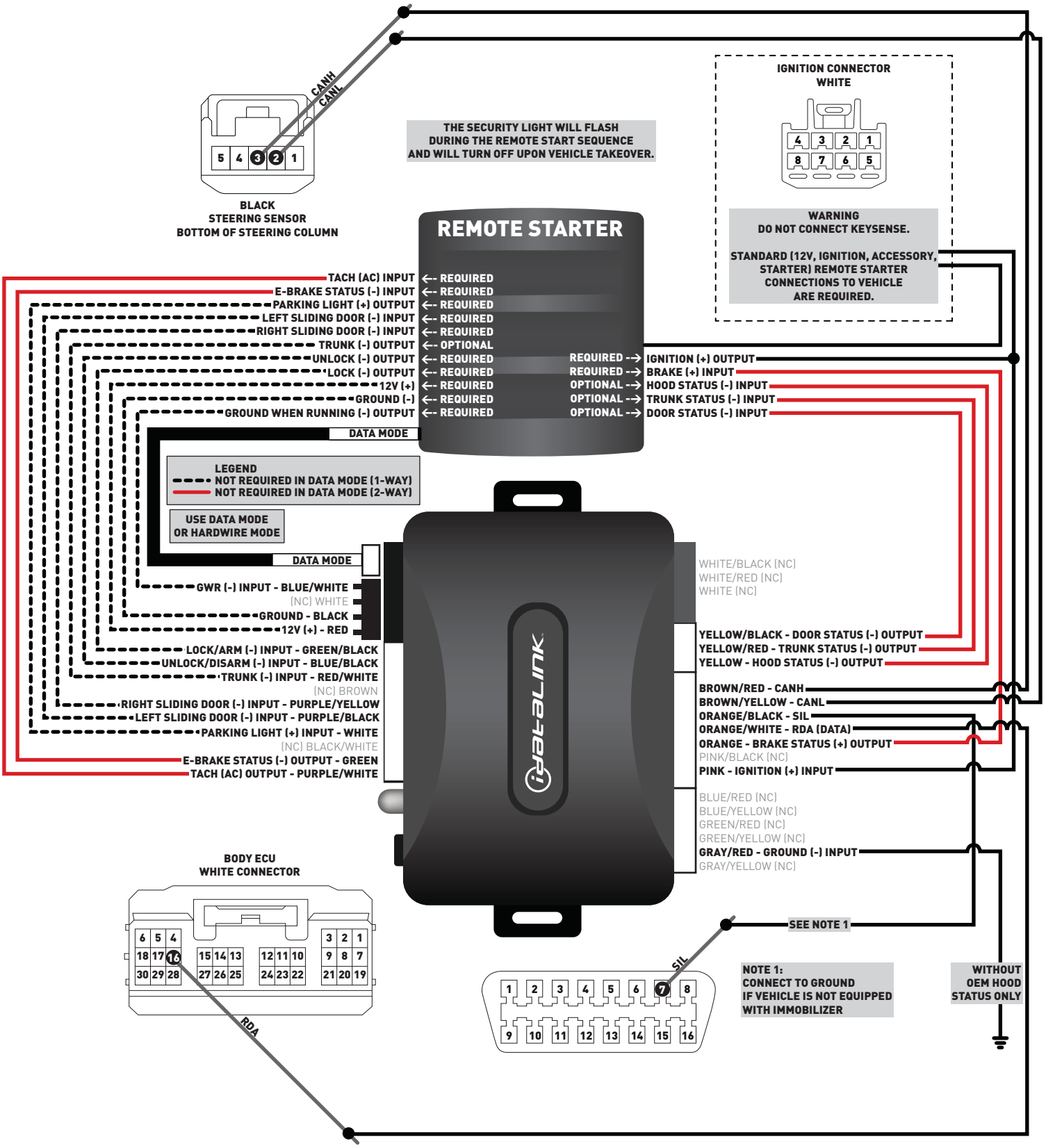
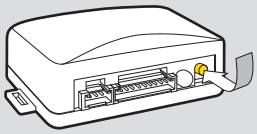
TYPE 6 - WIRING DIAGRAM - 1 OF 1

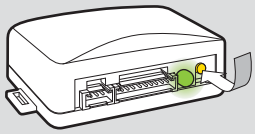


INSTALLATION MODE SELECTION

1 

Press and release programming button to select installation mode.

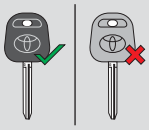
LED flashes (1X) once = DATA MODE
LED flashes (2X) twice = STANDARD HARDWIRE MODE

2 

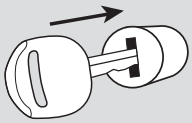
Press and hold programming button until LED turns solid GREEN to register selection.

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

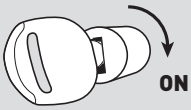
MODULE PROGRAMMING PROCEDURE

1 

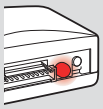
Use the BLACK key only.
DO NOT use the GRAY valet key.

2 

Insert key into ignition.

3 

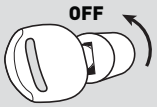
Turn key to ON position.

4 

LED will turn solid RED.

5 

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

6 

Turn key to OFF position.

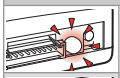
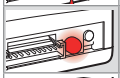
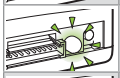
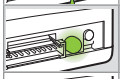
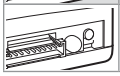
7 Module Programming Procedure completed.

IDENTIFY VEHICLE YEAR

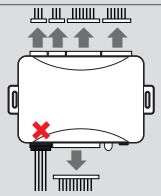
1 Locate the Vehicle Identification Number (VIN), identify the 10th character then match it to its corresponding year.

A	1980	L	1990	Y	2000	A	2010
B	1981	M	1991	1	2001	B	2011
C	1982	N	1992	2	2002	C	2012
D	1983	P	1993	3	2003	D	2013
E	1984	R	1994	4	2004	E	2014
F	1985	S	1995	5	2005	F	2015
G	1986	T	1996	6	2006	G	2016
H	1987	V	1997	7	2007	H	2017
J	1988	W	1998	8	2008	J	2018
K	1989	X	1999	9	2009	K	2019

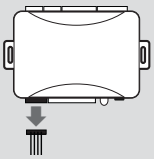
MODULE DIAGNOSTICS

LED STATUS		DIAGNOSTICS		
		DURING PROGRAMMING	DURING REMOTE START	WITH IGNITION OFF
	Flashing RED	Missing/wrong information from firmware or vehicle	Incorrectly programmed	Incorrectly programmed or connected
	Solid RED	Waiting for more vehicle information	Incorrectly programmed	Not programmed waiting for more vehicle information
	Flashing GREEN	Additional steps required to complete programming	Correctly programmed and operational	False ground when running status from remote starter
	Solid GREEN then OFF	Correctly programmed	Reset in progress	Reset in progress
	OFF	No activity or already programmed	Invalid ground when running status from remote starter	At rest and ready for a remote start sequence

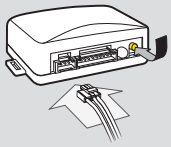
FACTORY RESET PROCEDURE

1 

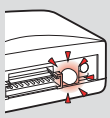
DISCONNECT all connectors from module **EXCEPT** the black 4-PIN standard or optional data connector.

2 

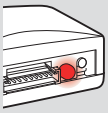
DISCONNECT black 4-PIN standard or optional data connector.

3 

PRESS AND HOLD programming button while connecting either 4-PIN standard or optional data connector.

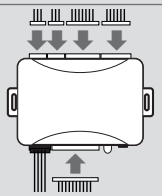
4 

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.