



INSTALL GUIDE

OEM-AL(RS)-TL6-[FLCAN]-EN

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40597

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20170705

FIRMWARE
OEM-AL(RS)-TL6-[FLCAN]

HARDWARE
FLCAN

ACCESSORIES
FLPROG (REQUIRED)



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. Please review the Installation Guide carefully before beginning any work.



BEFORE INSTALLATION

- 1- Connect module to computer
- 2- Login to Weblink account
- 3- Flash firmware to module (module is not preloaded with firmware)
- 4- Use accessories accordingly (accessories are sold separately)

NOTE

I Keyless and smartkey systems will remain functional during remote start.

MAKE	MODEL	YEAR	INSTALL TYPE	FEATURES														
				DATA IMMOBILIZER BYPASS	3X LOCK START/STANDALONE MOD.	PUSH TO START CTRL	ARM OEM ALARM	DISARM OEM ALARM	PRIORITY UNLOCK	DOOR LOCK	DOOR UNLOCK	TRUNK/HATCH RELEASE	TACHOMETER OUTPUT	BRAKE PEDAL STATUS OUTPUT	DOOR STATUS OUTPUT	TRUNK STATUS OUTPUT	HOOD STATUS OUTPUT*	
LEXUS	ES300h PTS**	13-15	3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	ES350 PTS**	13-15	1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	ES350 PTS**	16-17	8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	GS200t PTS**	16-17	9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	GS350 PTS**	13-15	2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	GS350 PTS**	16-17	9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	GS450h PTS**	13-15	2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	GS450h PTS**	16-17	9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
TOYOTA	Avalon PTS	13-15	4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Avalon PTS	16-17	6	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Camry PTS	12-17	4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Camry Hybrid PTS	12-17	4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Corolla PTS	14-16	5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Corolla PTS	17	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Prius C PTS	12-15	4	•	•	•	•	•	•	•	•		•	•	•	•	•	
	Prius C PTS	16-17	6	•	•	•	•	•	•	•	•		•	•	•	•	•	
	Prius V PTS	17	10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Rav4 Hybrid PTS	16-17	7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Rav4 PTS	13-15	4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Rav4 PTS	16-17	6	•	•	•	•	•	•	•	•	•	•	•	•	•	•	

NOTE

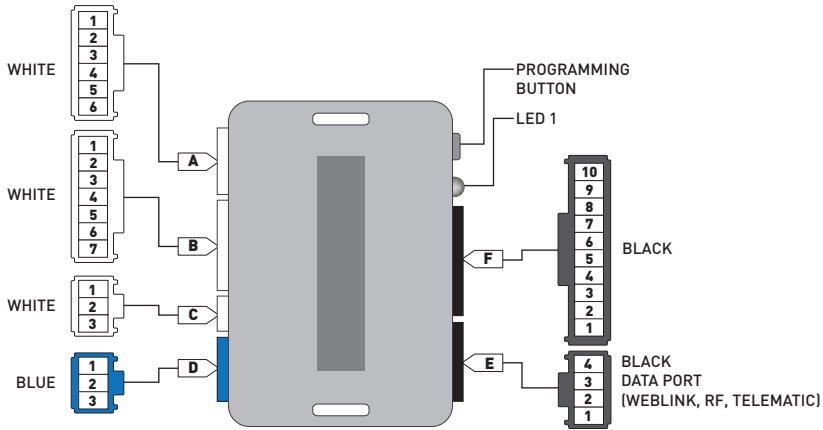
I Keyless and smartkey systems will remain functional during remote start.

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

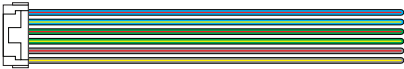
**Read "WARNING: Door Lock Synchronization"

BOX CONTENTS

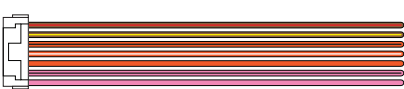
MODULE



6 PIN WHITE CONNECTOR



7 PIN WHITE CONNECTOR



3 PIN WHITE CONNECTOR



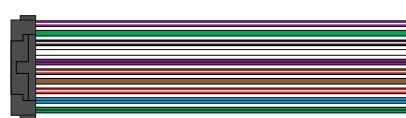
3 PIN BLUE CONNECTOR



4 PIN BLACK CONNECTOR



10 PIN BLACK CONNECTOR



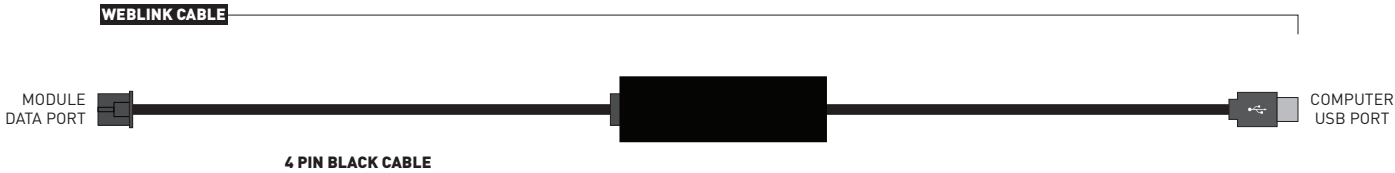
DATA CABLE 1



DATA CABLE 2



WEBLINK CABLE (required accessory sold separately)



WARNING: DOOR LOCK SYNCHRONIZATION

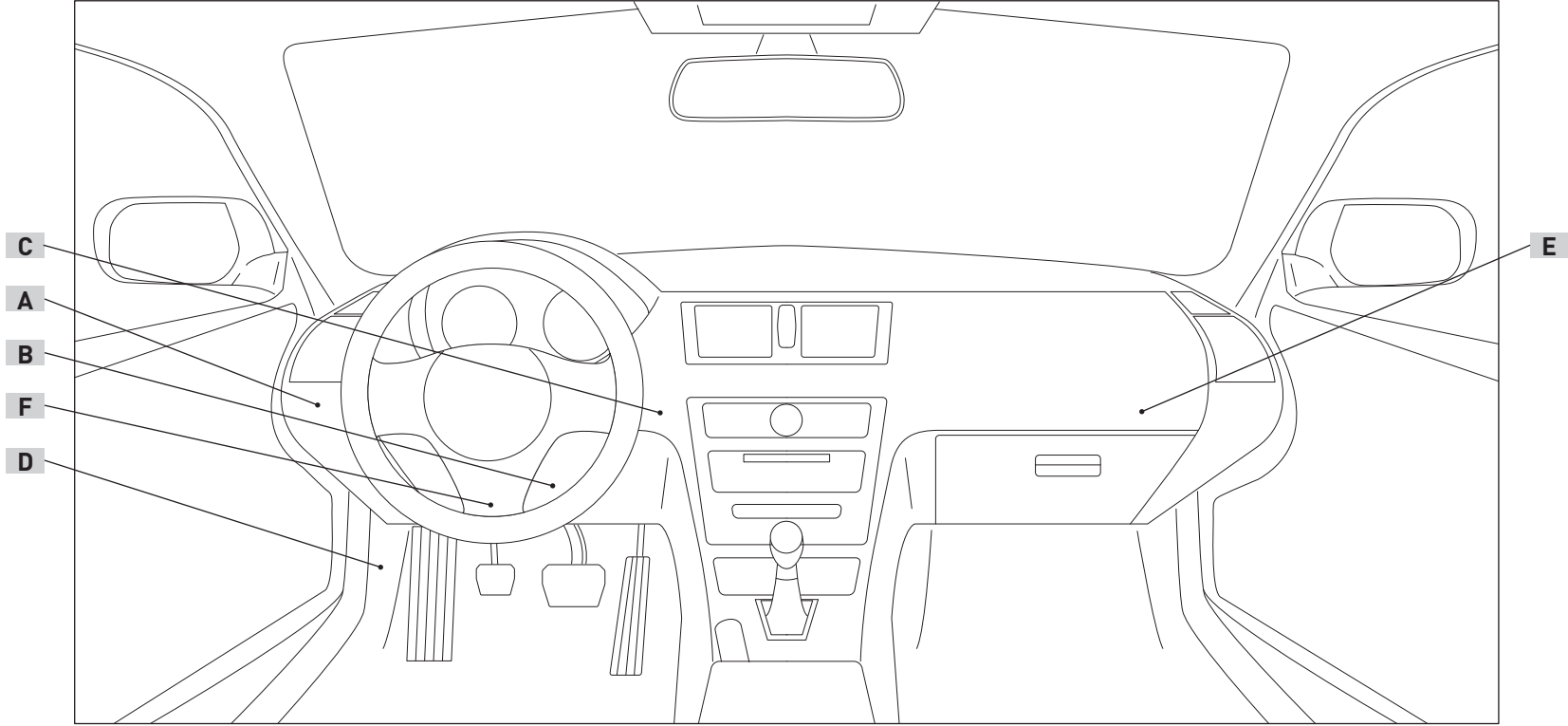
The door lock signal is encrypted on select models. In order for the bypass to operate properly, it must be synchronized with that encrypted signal. However, when the vehicle is driven, data is sent along the bus that desynchronizes the bypass with the encryption.

To regain synchronization once the engine is shut off, the bypass must see the factory keyless codes (OEM remote or proximity lock/unlock codes). This solution will resynchronize automatically upon seeing the first factory keyless code and will operate normally (both convenience and immobilizer bypass/remote starter functionality).

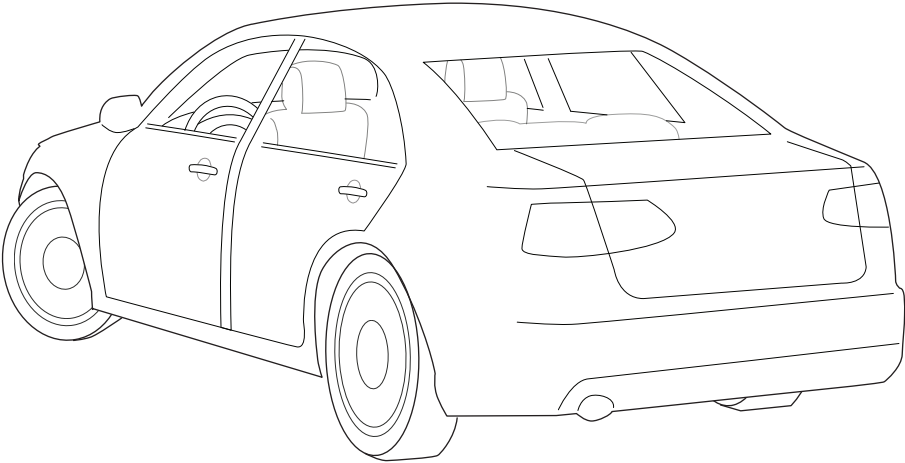
Conversely, if the vehicle is driven and the factory keyless system is not used to lock or unlock, the aftermarket remote will not be able to lock or unlock until the bypass receives factory keyless code at least once as described above.

Finally, as factory keyless operates normally during remote start with this solution and take-over is not supported, a one-button remote control is a very good choice for these vehicles in order to prevent any possible user issues.

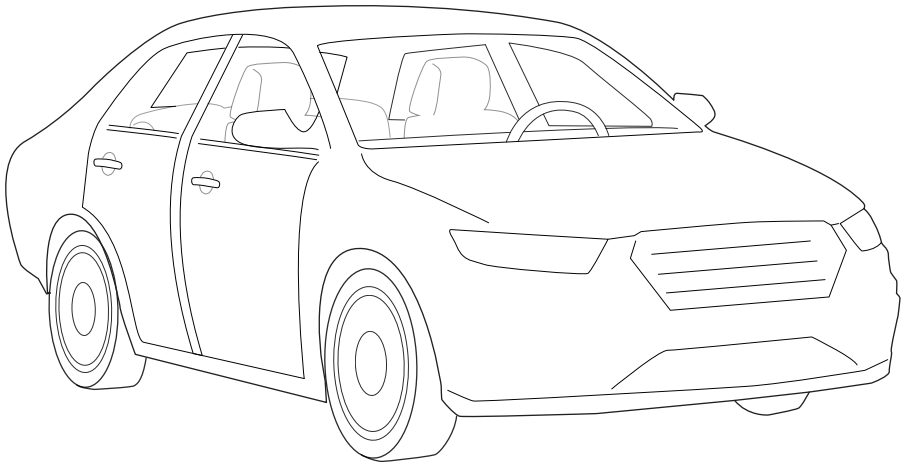
INTERIOR VIEW



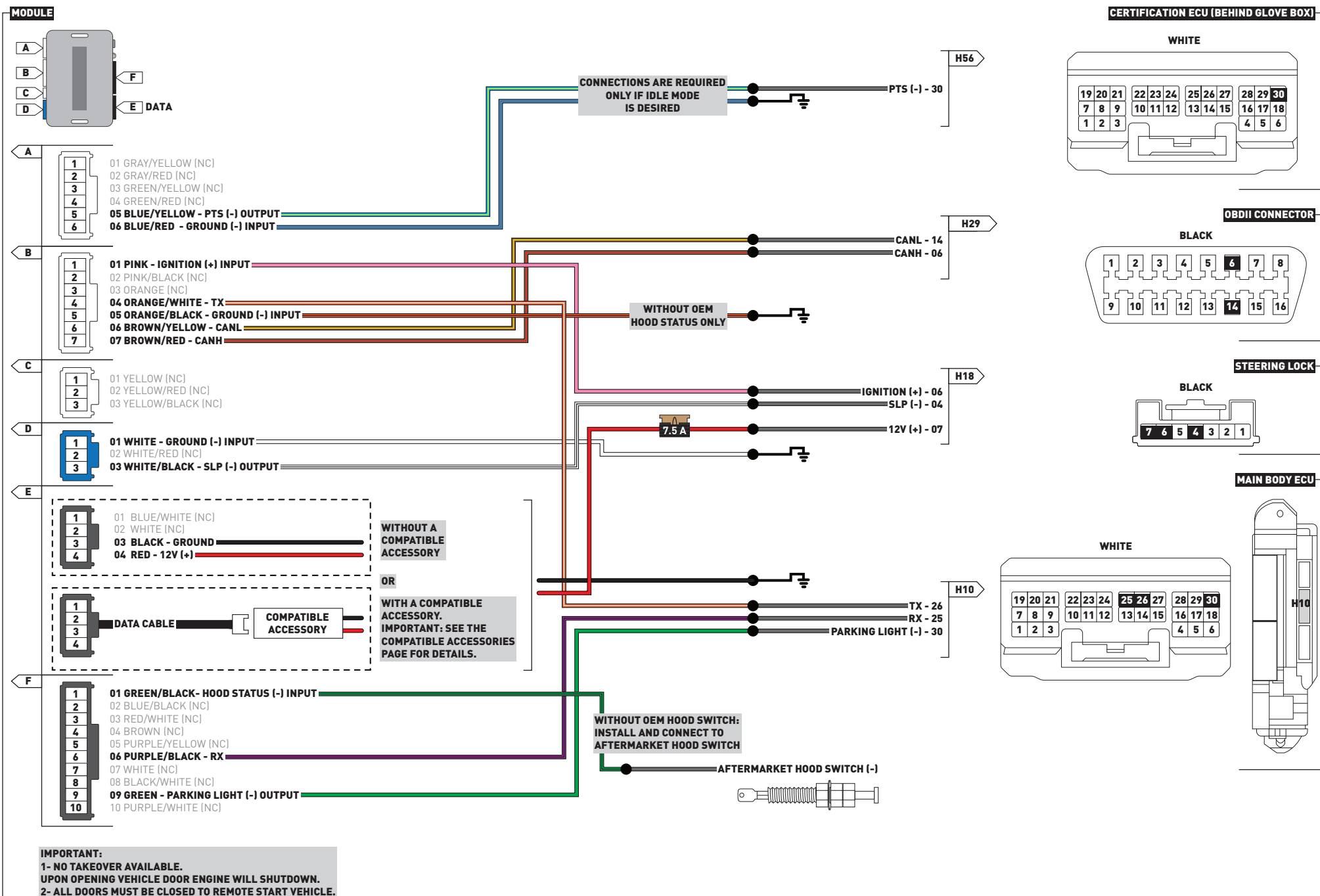
DRIVER SIDE VIEW



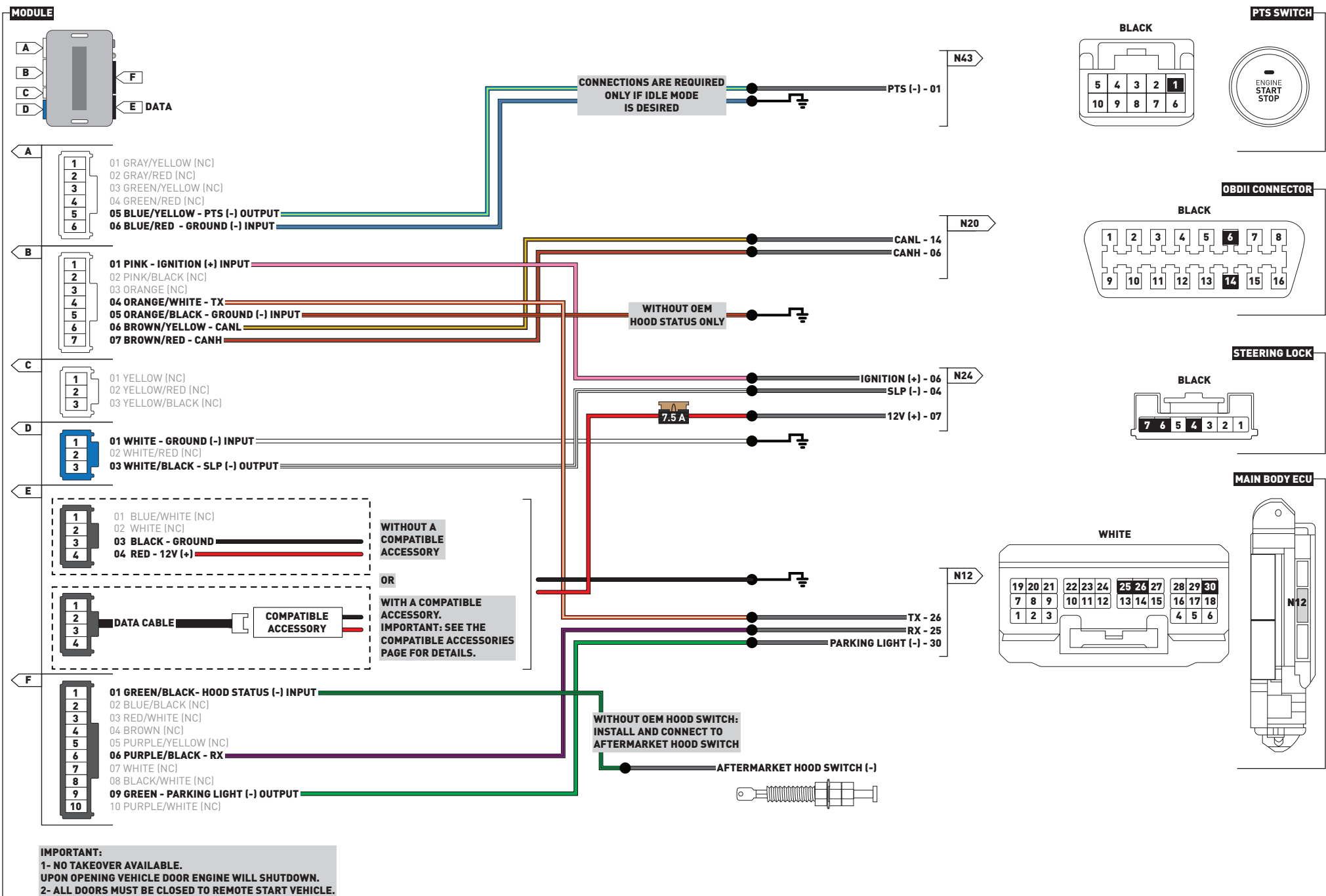
PASSENGER SIDE VIEW



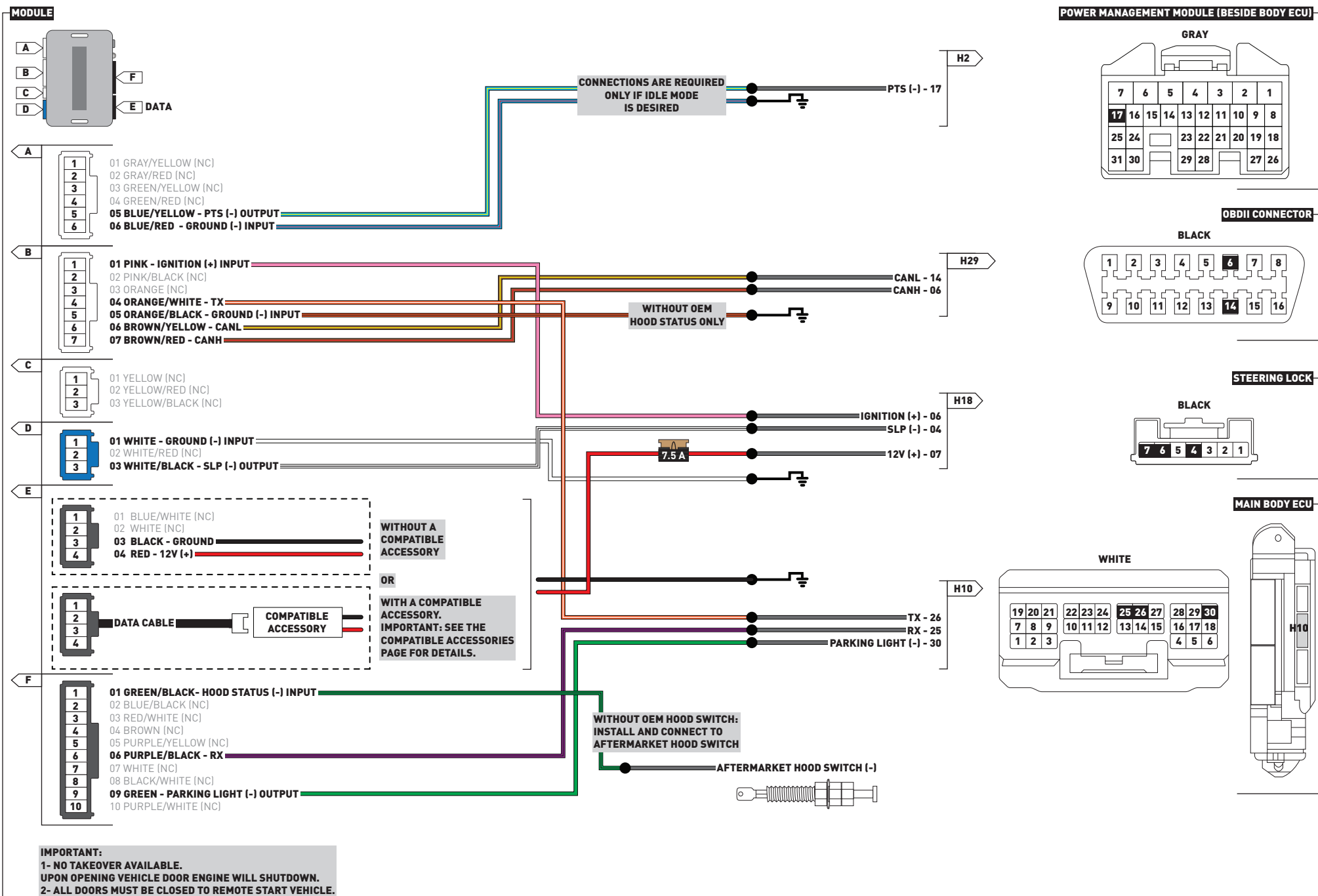
MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
LEXUS	ES350 PTS	13-15	CanH	H29	Black	16 pin	06	Blue	(DATA)	OBDII	D
			CanL	H29	Black	16 pin	14	White	(DATA)	OBDII	D
			Ignition	H18	Black	07 pin	06	LtGreen	(+)	Steering lock	B
			SLP	H18	Black	07 pin	04	Pink	(-)	Steering lock	B
			TX	H10	White	30 pin	26	Red	(DATA)	Main body ECU	A
			RX	H10	White	30 pin	25	Blue	(DATA)	Main body ECU	A
			Parking Light	H10	White	30 pin	30	White	(-)	Main body ECU	A
			PTS	H56	White	30 pin	30	Purple	(-)	Certification ECU, behind glove box	E



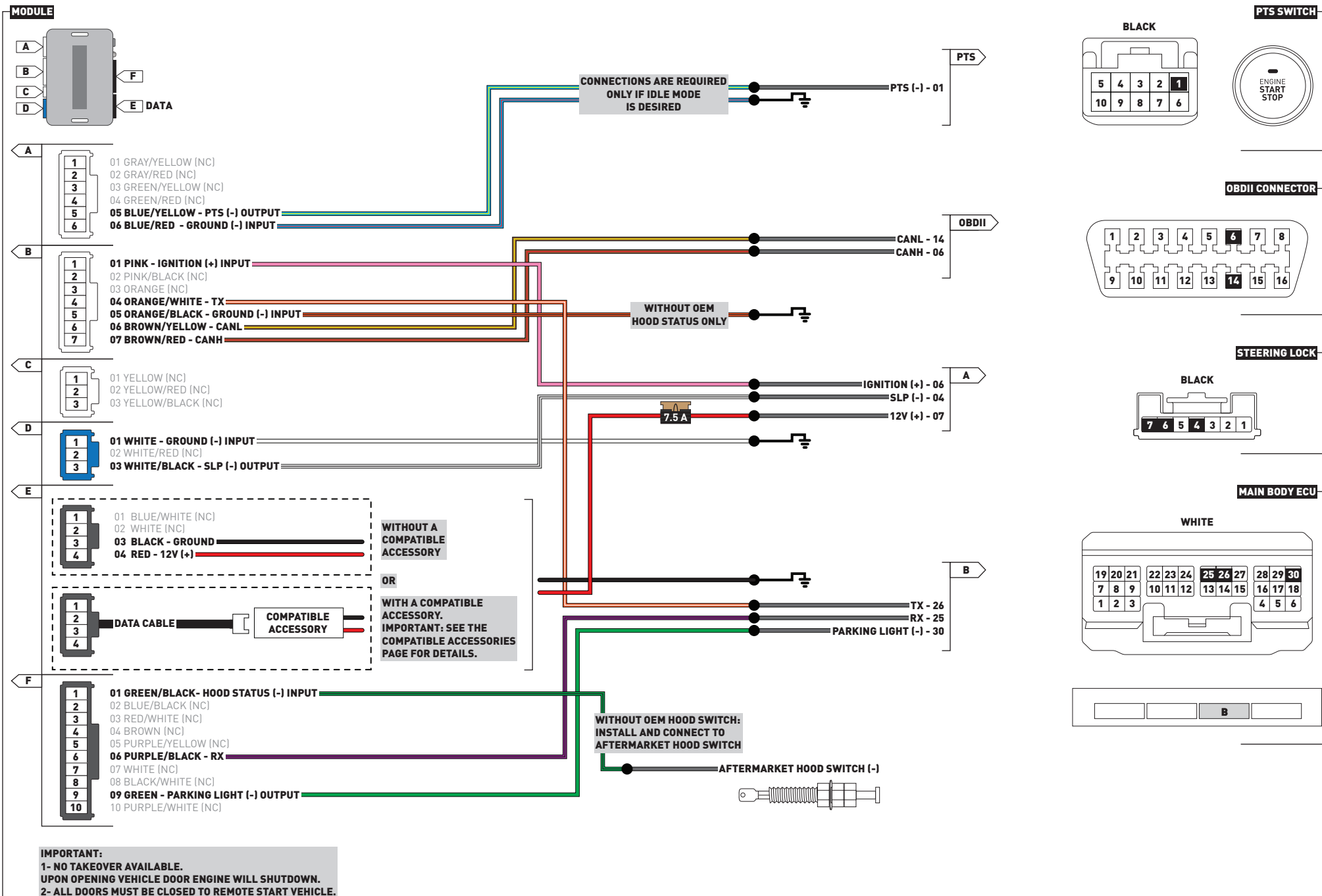
MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
LEXUS	GS350 PTS / GS450h PTS	13-15	CanH	N20	Black	16 pin	06	Green	(DATA)	OBDII	D
			CanL	N20	Black	16 pin	14	White	(DATA)	OBDII	D
			Ignition	N24	Black	07 pin	06	Black	(+)	Steering lock	B
			SLP	N24	Black	07 pin	04	Blue	(-)	Steering lock	B
			TX	N12	White	30 pin	26	White	(DATA)	Main body ECU	A
			RX	N12	White	30 pin	25	Black	(DATA)	Main body ECU	A
			Parking Light	N12	White	30 pin	30	Black	(-)	Main body ECU	A
			PTS	N43	Black	10 pin	01	Green	(-)	PTS button	C



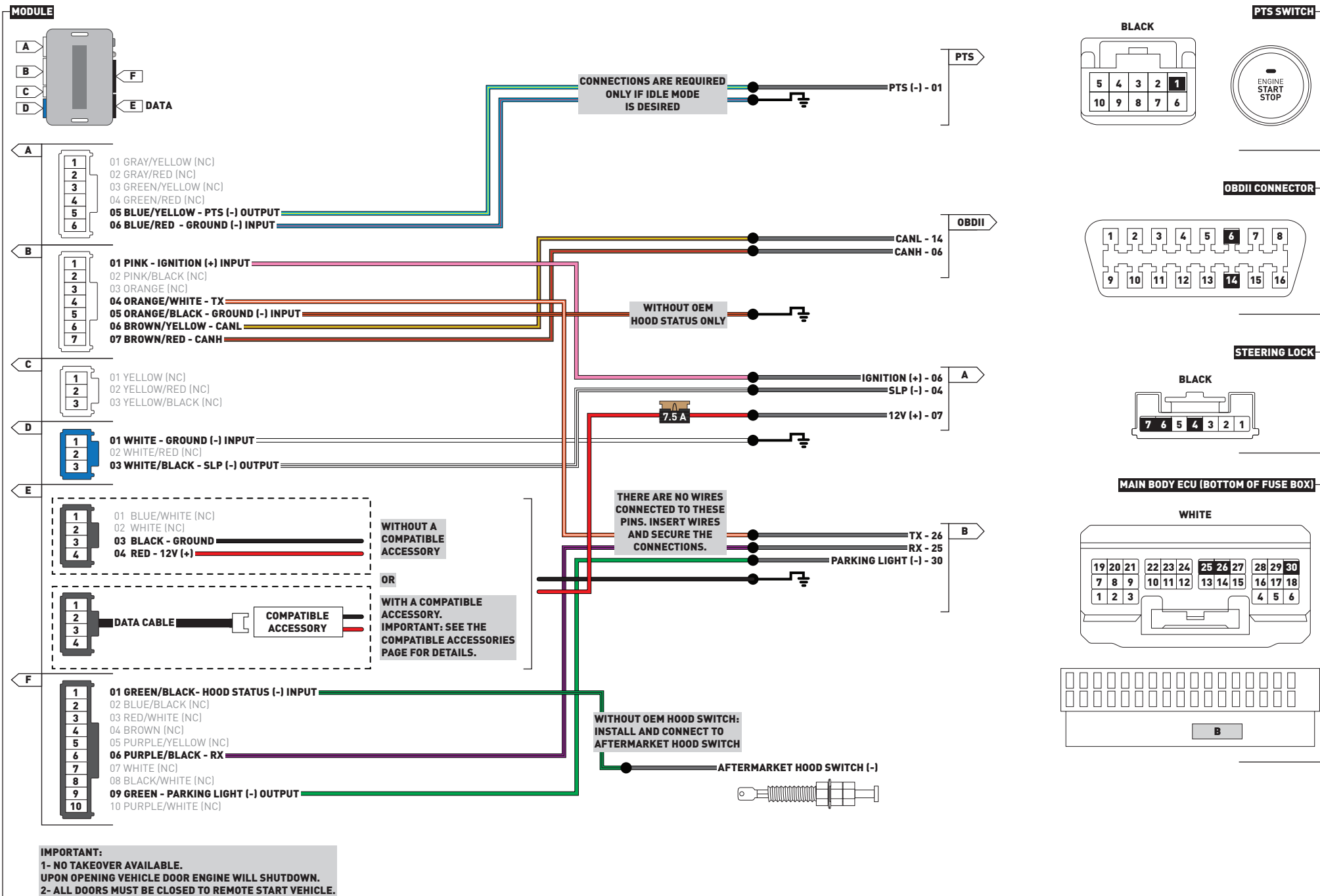
MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
LEXUS	ES300h PTS	13-15	CanH	H29	Black	16 pin	06	Blue	(DATA)	OBDII	D
			CanL	H29	Black	16 pin	14	White	(DATA)	OBDII	D
			Ignition	H18	Black	07 pin	06	LtGreen	(+)	Steering lock	B
			SLP	H18	Black	07 pin	04	Pink	(-)	Steering lock	B
			TX	H10	White	30 pin	26	Red	(DATA)	Main body ECU	A
			RX	H10	White	30 pin	25	Blue	(DATA)	Main body ECU	A
			Parking Light	H10	White	30 pin	30	White	(-)	Main body ECU	A
			PTS	H2	Gray	31 pin	17	Purple	(-)	Power management module	A



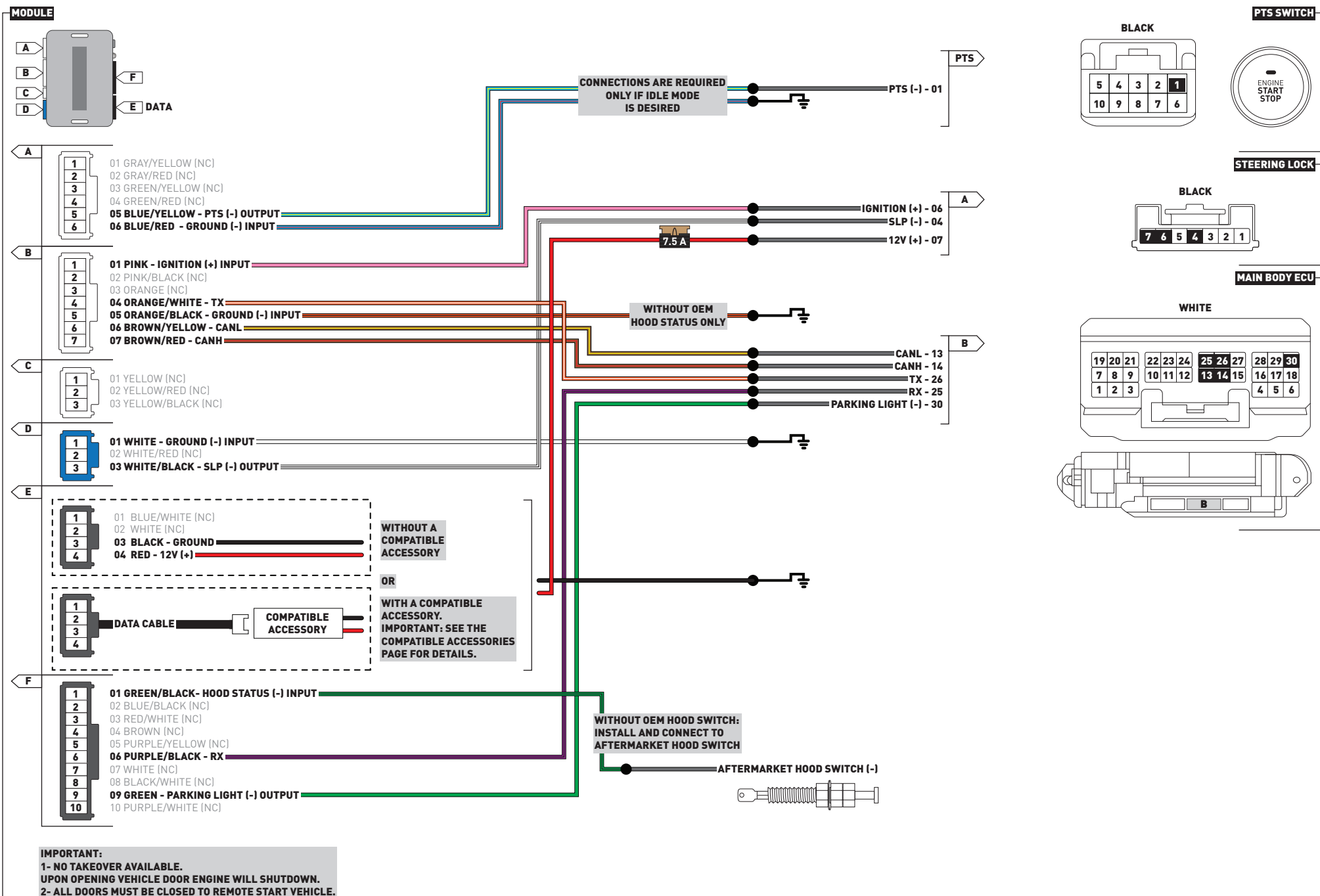
MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
TOYOTA	Avalon PTS	13-15	CanH	N20	Black	16 pin	06	Blue	(DATA)	OBDI	D
			CanL	N20	Black	16 pin	14	White	(DATA)	OBDI	D
			Ignition	N24	Black	07 pin	06	Black	(+)	Steering lock	B
			SLP	N24	Black	07 pin	04	Green	(DATA)	Steering lock	B
			TX	N12	White	30 pin	26	LtGreen	(DATA)	Main body ECU	A
			RX	N12	White	30 pin	25	Brown	(DATA)	Main body ECU	A
			Parking Light	N12	White	30 pin	30	Red	(-)	Main body ECU	A
			PTS	N43	Black	10 pin	01	Purple	(-)	PTS button	C
	Camry PTS / Camry Hybrid PTS	12-17	CanH	I39	White	16 pin	06	Blue	(DATA)	OBDI	D
			CanL	I39	White	16 pin	14	White	(DATA)	OBDI	D
			Ignition	I24	Black	07 pin	06	LtGreen	(+)	Steering lock	B
			SLP	I24	Black	07 pin	04	Pink	(DATA)	Steering lock	B
			TX	I13	White	30 pin	26	Red	(DATA)	Main body ECU	A
			RX	I13	White	30 pin	25	Green	(DATA)	Main body ECU	A
			Parking Light	I13	White	30 pin	30	Black	(-)	Main body ECU	A
			PTS	I58	Black	10 pin	01	Purple	(-)	PTS button	C
	Prius C PTS	12-15	CanH	G4	Black	16 pin	06	Gray	(DATA)	OBDI	D
			CanL	G4	Black	16 pin	14	White	(DATA)	OBDI	D
			Ignition	G50	Black	07 pin	06	LtBlue	(+)	Steering lock	B
			SLP	G50	Black	07 pin	04	Pink	(-)	Steering lock	B
			TX	~	White	30 pin	26	Red	(DATA)	Main body ECU	A
			RX	~	White	30 pin	25	Black	(DATA)	Main body ECU	A
			Parking Light	G59	White	30 pin	30	LtBlue	(-)	Main body ECU	A
			PTS	G48	Black	10 pin	01	LtBlue	(-)	PTS button	C
	Rav4 PTS	13-15	CanH	I39	White	16 pin	06	Black	(DATA)	OBDI	D
			CanL	I39	White	16 pin	14	White	(DATA)	OBDI	D
			Ignition	I24	Black	07 pin	06	Pink	(+)	Steering lock	B
			SLP	I24	Black	07 pin	04	Green	(DATA)	Steering lock	B
			TX	I13	White	30 pin	26	Red	(DATA)	Main body ECU	A
			RX	I13	White	30 pin	25	Blue	(DATA)	Main body ECU	A
			Parking Light	I13	White	30 pin	30	White	(-)	Main body ECU	A
			PTS	I58	Black	10 pin	01	DkGreen	(-)	PTS button	C



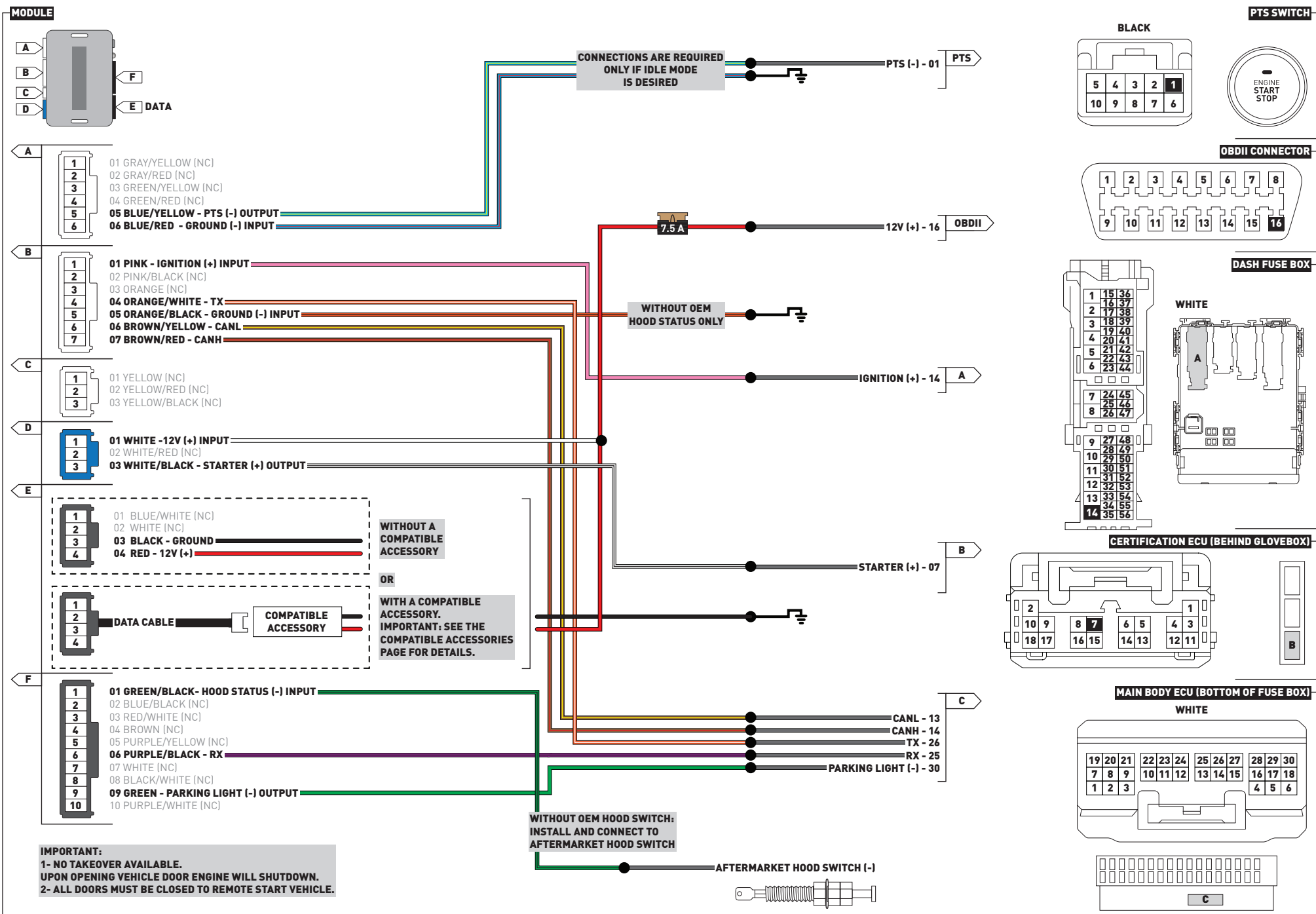
MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
TOYOTA	Corolla PTS	14-16	CanH	I39	White	16 pin	06	Red	(DATA)	OBDII	D
			CanL	I39	White	16 pin	14	White	(DATA)	OBDII	D
			Ignition	I24	Black	07 pin	06	Gray	(+)	Steering lock	B
			SLP	I24	Black	07 pin	04	Green	(-)	Steering lock	B
			TX	I13	White	30 pin	26	Empty	(DATA)	Main body ECU, bottom of fusebox	A
			RX	I13	White	30 pin	25	Empty	(DATA)	Main body ECU, bottom of fusebox	A
			Parking Light	I13	White	30 pin	30	White	(-)	Main body ECU, bottom of fusebox	A
			PTS	I58	Black	10 pin	01	Black	(-)	PTS button	C



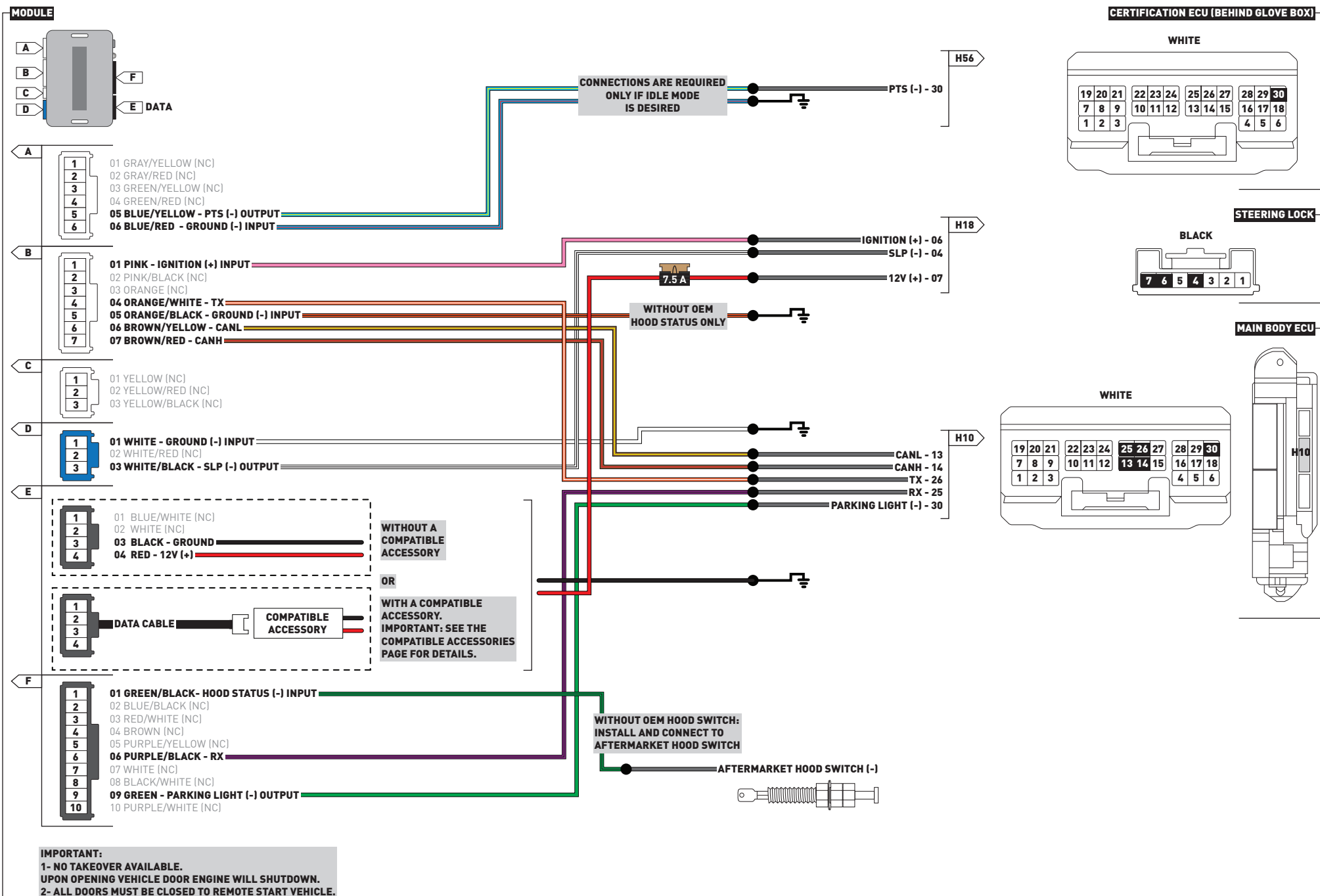
MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
TOYOTA	Avalon PTS	16-17	CanH	N12	White	30 pin	14	Pink	(DATA)	Main body ECU	A
			CanL	N12	White	30 pin	13	White	(DATA)	Main body ECU	A
			Ignition	N24	Black	07 pin	06	Black	(+)	Steering lock	B
			SLP	N24	Black	07 pin	04	Green	(DATA)	Steering lock	B
			TX	N12	White	30 pin	26	LtGreen	(DATA)	Main body ECU	A
			RX	N12	White	30 pin	25	Brown	(DATA)	Main body ECU	A
			Parking Light	N12	White	30 pin	30	Red	(-)	Main body ECU	A
			PTS	I58	Black	10 pin	01	Purple	(-)	PTS button	C
	Rav4 PTS	16	CanH	I13	White	30 pin	14	Green	(DATA)	Main body ECU	A
			CanL	I13	White	30 pin	13	White	(DATA)	Main body ECU	A
			Ignition	I24	Black	07 pin	06	Pink	(+)	Steering lock	B
			SLP	I24	Black	07 pin	04	Green	(DATA)	Steering lock	B
			TX	I13	White	30 pin	26	Red	(DATA)	Main body ECU	A
			RX	I13	White	30 pin	25	Blue	(DATA)	Main body ECU	A
			Parking Light	I13	White	30 pin	30	White	(-)	Main body ECU	A
			PTS	I58	Black	10 pin	01	DkGreen	(-)	PTS button	C
	Prius C PTS	16-17	CanH	G59	White	30 pin	14	Tan	(DATA)	Main body ECU	A
			CanL	G59	White	30 pin	13	White	(DATA)	Main body ECU	A
			Ignition	G50	Black	07 pin	06	LtBlue	(+)	Steering lock	B
			SLP	G50	Black	07 pin	04	Pink	(-)	Steering lock	B
			TX	G59	White	30 pin	26	Red	(DATA)	Main body ECU	A
			RX	G59	White	30 pin	25	Black	(DATA)	Main body ECU	A
			Parking Light	G59	White	30 pin	30	LtBlue	(-)	Main body ECU	A
			PTS	G48	Black	10 pin	01	LtBlue	(-)	PTS button	C



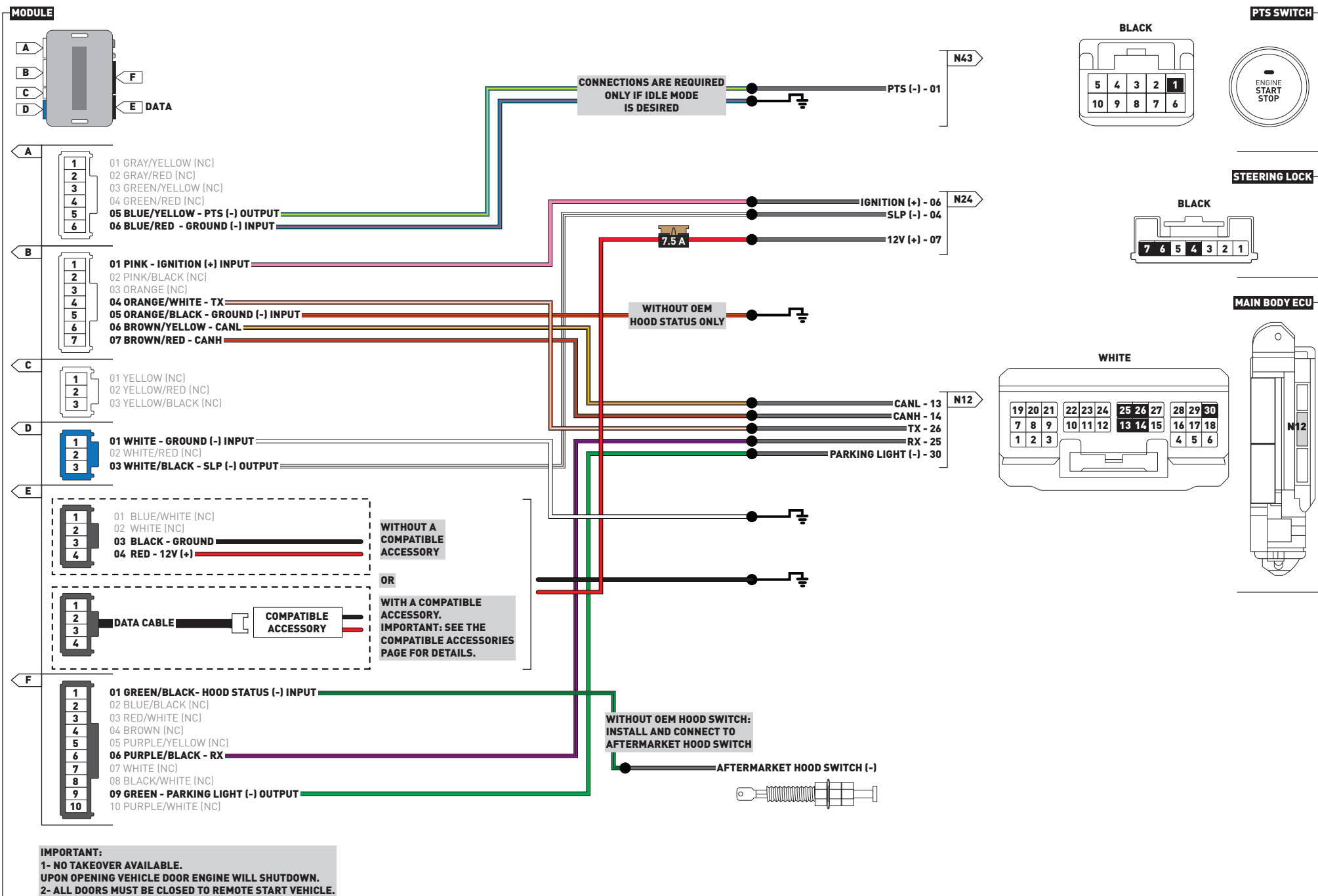
MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
TOYOTA	RAV4 Hybrid PTS	16-17	CanH	I13	White	30 pin	14	Green	(DATA)	Main body ECU, bottom of fusebox	D
			CanL	I13	White	30 pin	13	White	(DATA)	Main body ECU, bottom of fusebox	D
			Ignition	3B	White	56 pin	14	Yellow	(+)	Dash fusebox	B
			12V	G14	White	16 pin	16	Blue	(+)	OBDII	D
			TX	I13	White	30 pin	26	Red	(DATA)	Main body ECU, bottom of fusebox	A
			RX	I13	White	30 pin	25	Blue	(DATA)	Main body ECU, bottom of fusebox	A
			Parking Light	I13	White	30 pin	30	White	(-)	Main body ECU, bottom of fusebox	A
			PTS	I58	Black	10 pin	01	DkGreen	(-)	PTS button	C
			Starter	G173	White	18 pin	07	LtBlue	(+)	Certification ECU, behind glove box	E



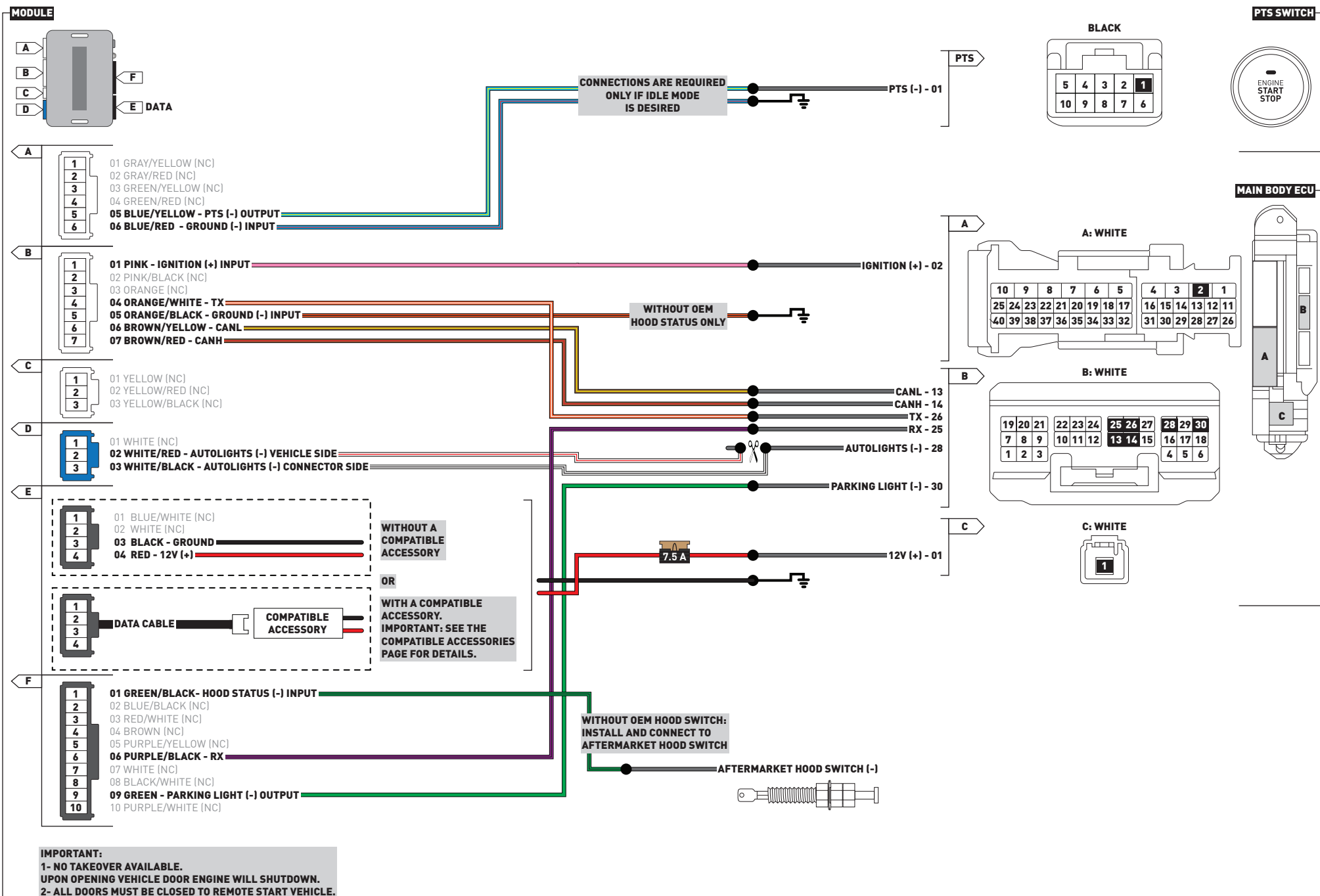
MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
LEXUS	ES350 PTS	16-17	CanH	H10	White	30 pin	14	Purple	(DATA)	Main body ECU	A
			CanL	H10	White	30 pin	13	White	(DATA)	Main body ECU	A
			Ignition	H18	Black	07 pin	06	LtGreen	(+)	Steering lock	B
			SLP	H18	Black	07 pin	04	Pink	(-)	Steering lock	B
			TX	H10	White	30 pin	26	Red	(DATA)	Main body ECU	A
			RX	H10	White	30 pin	25	Blue	(DATA)	Main body ECU	A
			Parking Light	H10	White	30 pin	30	White	(-)	Main body ECU	A
			PTS	H56	White	30 pin	30	Purple	(-)	Certification ECU, behind glove box	E



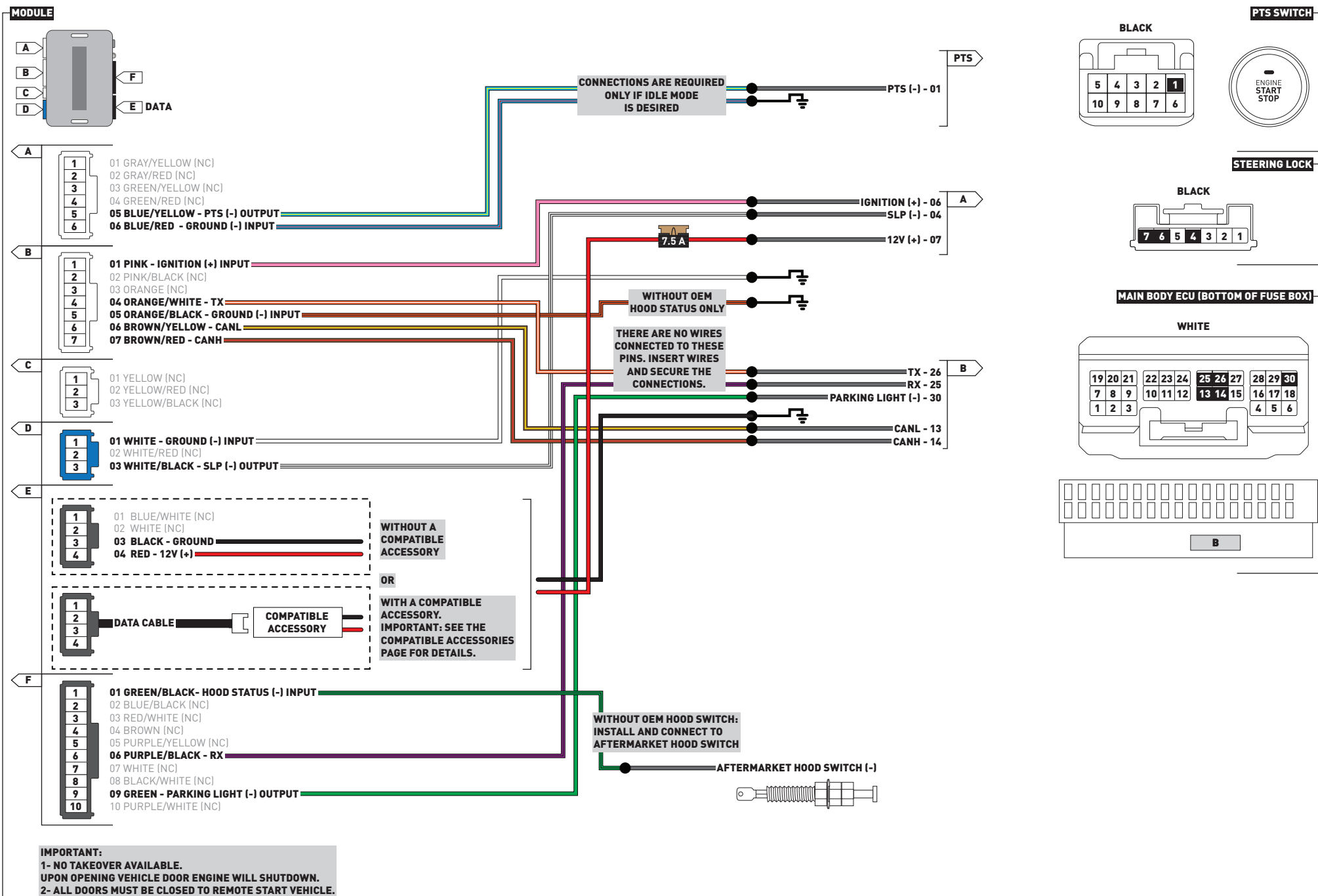
MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
LEXUS	GS350 PTS / GS200t PTS / GS450h PTS	16-17	CanH	N12	White	30 pin	14	Red	(DATA)	Main body ECU	A
			CanL	N12	White	30 pin	13	White	(DATA)	Main body ECU	A
			Ignition	N24	Black	07 pin	06	Black	(+)	Steering lock	B
			SLP	N24	Black	07 pin	04	Blue	(-)	Steering lock	B
			TX	N12	White	30 pin	26	White or Green	(DATA)	Main body ECU	A
			RX	N12	White	30 pin	25	Black	(DATA)	Main body ECU	A
			Parking Light	N12	White	30 pin	30	Black	(-)	Main body ECU	A
			PTS	N43	Black	10 pin	01	Green	(-)	PTS button	C



MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
TOYOTA	Prius V PTS	17	CanH	~	White	30 pin	14	LtBlue	(DATA)	Main body ECU	A
			CanL	~	White	30 pin	13	red or White	(DATA)	Main body ECU	A
			Ignition	~	White	40 pin	02	Red	(+)	Main body ECU	A
			Autolights	~	White	30 pin	28	Green	(-)	Main body ECU	A
			TX	~	White	30 pin	26	Green	(DATA)	Main body ECU	A
			RX	~	White	30 pin	25	Purple	(DATA)	Main body ECU	A
			Parking Light	~	White	30 pin	30	Yellow	(-)	Main body ECU	A
			PTS	~	Black	10 pin	01	Black	(-)	PTS button	C



MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
TOYOTA	Corolla PTS	17	CanH	I13	White	30 pin	14	Black	(DATA)	Main body ECU, bottom of fusebox	A
			CanL	I13	White	30 pin	13	White	(DATA)	Main body ECU, bottom of fusebox	A
			Ignition	I24	Black	07 pin	06	Gray or Green	(+)	Steering lock	B
			SLP	I24	Black	07 pin	04	Green	(-)	Steering lock	B
			TX	I13	White	30 pin	26	Empty	(DATA)	Main body ECU, bottom of fusebox	A
			RX	I13	White	30 pin	25	Empty	(DATA)	Main body ECU, bottom of fusebox	A
			Parking Light	I13	White	30 pin	30	White	(-)	Main body ECU, bottom of fusebox	A
			PTS	I58	Black	10 pin	01	Black	(-)	PTS button	C



>>



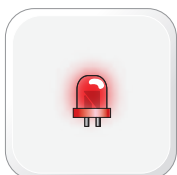
Between each step, LED will turn solid RED, this is the default standby mode. The takeover is not available.

01



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

02



LED will turn solid RED.

03



Within 5 seconds, LED will flash GREEN rapidly.

04



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

05



Press unlock button once [1x] on OEM keyfob.

06



Wait, LED will turn solid GREEN for 2 seconds.

07



Module Programming Procedure completed.

>>



NOTE: In Valet Mode, the Remote starter is not functional. Keyless entry, Lock and Unlock will remain functional. See RF kit user manual for alternate valet mode programming.

01



Time restriction. Complete next step within 7 seconds.

02



Cycle ignition ON five times [5x OFF/ON] rapidly.

03



Wait, LED 1 will turn solid RED for 2 seconds.

04



Set ignition to OFF position.

05



Valet Mode Programming Procedure completed.

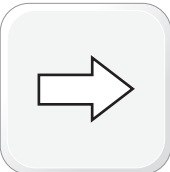
>>



To exit valet mode: repeat steps 1 to 5.

>>  It is mandatory to exit the Module Navigation at the end of this procedure. Failure to exit the Module Navigation will drain vehicle battery. To exit the Module Navigation at any time: Follow STEP 13.

>>  Module must be programmed to the vehicle.

>>  Use the Module Navigation Chart on the next page.

01  Set ignition to OFF position.

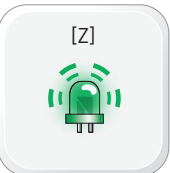
02  TO ACCESS THE MENUS: Press and hold programming button until LED 1 turns solid GREEN.

03  IN THE MENUS: Press the programming button as many times as the menu number indicates. LED 1 will flash GREEN an equal amount of times continuously.

04  TO ACCESS THE OPTIONS: Press and hold programming button until LED 1 turns solid RED.

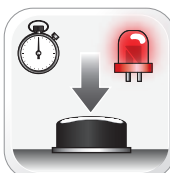
05  IN THE OPTIONS: Press the programming button as many times as the option number indicates. LED 1 will flash RED an equal amount of times continuously.

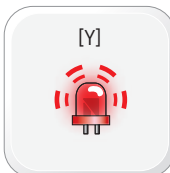
06  TO ACCESS THE SETTINGS: Press and hold programming button until LED 1 turns solid GREEN.

07  LED 1 will flash GREEN as many times as the current (or default) setting number, continuously.

08  IN THE SETTINGS: Press the programming button as many times as necessary to access your setting. LED 1 will flash GREEN an equal amount of times continuously.

09  To return to the MENUS: exit the Module Navigation and redo the Module Navigation Procedure.

10  To save and return to the OPTIONS: Press and hold programming button until LED 1 turns solid RED.

11  LED 1 will flash RED as many times as the current option number continuously.

12  Configure every other setting and proceed to step 13.

13  MANDATORY: EXIT MODULE NAVIGATION. Press and hold programming button for 7 seconds. LED 1 will flash RED rapidly. Release programming button. LED 1 will turn OFF.

14  Module navigation completed.

>>  Failure to exit the Module Navigation will drain vehicle battery.

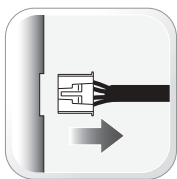
MODULE NAVIGATION CHART: NOTES	[X] MENUS	[Y] OPTIONS	[Z] SETTINGS
I Default settings are listed in bold. II Make sure the option is covered on the vehicle before attempting to change the setting.	01	CONFIGURATION	01 DISARM/UNLOCK BEFORE START
			02 RELOCK AFTER START
			03 RELOCK AFTER SHUTDOWN
			04 FORCE UNLOCK ALL ON FIRST PRESS
			05 N/A
			06 N/A
			07 FACTORY KEYLESS RS SEQUENCE
			08 MODULE RUN TIME
			09 WAIT TO START DELAY
			10-12 N/A
			01 N/A
			01 N/A
			01 OFF
			02 ON
			01 OFF
			02 ON
			01 OFF
			02 ON
			01 OFF
			02 ON
			01 N/A
			01 N/A
			01 DISABLE
			02 N/A
			03 LOCK + UNLOCK + LOCK
			04 LOCK + LOCK + LOCK
			01 03 MIN
			02 05 MIN
			03 10 MIN
			04 15 MIN
			05 25 MIN
			06 30 MIN
			07 35 MIN
			08 15 MIN
			01 02 SEC
			02 05 SEC
			03 08 SEC
			04 10 SEC
			05 15 SEC
			06 20 SEC
			07 25 SEC
			08 30 SEC
			01 N/A
			01 N/A
	02-07	Technical Support only	01 N/A

*Vehicle will shutdown when a door is opened.

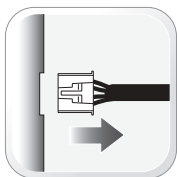
REMOTE STARTER ERROR CODES: NOTES	[X] NUMBER OF PARKING LIGHT FLASHES	DIAGNOSTIC
I WARNING: The following applies only when the parking lights are connected and supported by the system.	03	Foot brake is ON.
	04	Hood is open.
II After a remote starter failure, the parking lights will flash [X] number times to indicate an error code. See table.	05	Engine tach signal is lost.
	06	System is in Valet Mode.
	07	Vehicle is moving (VSS).
	08	Glow plug timeout error.

TEST MODULE		LED 1 STATUS	DIAGNOSTIC
I	DURING PROGRAMMING	Flashing RED	Missing/wrong information from firmware or vehicle.
		Solid RED	Module waiting for more vehicle information.
		Flashing GREEN	Additional steps required to complete module programming.
		Solid GREEN then OFF	Module correctly programmed.
		OFF	No activity or module already programmed.
II	DURING REMOTE START	Flashing RED	Module incorrectly programmed.
		Solid RED	Module incorrectly programmed.
		Flashing GREEN	Module correctly programmed and operational.
		Solid GREEN then OFF	Reset in progress.
		OFF	Invalid ground when running status from remote starter.
III	WITH IGNITION OFF	Flashing RED	Module incorrectly programmed or connected.
		Solid RED	Module not programmed. Waiting for more vehicle information.
		Flashing GREEN	False ground when running status from remote starter.
		Solid GREEN then OFF	Reset in progress.
		OFF	Module at rest and ready for a remote start sequence.

- 01** Disconnect all connectors from module except the BLACK 4-PIN connector.



- 02** Disconnect the BLACK 4-PIN connector.



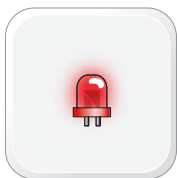
- 03** PRESS AND HOLD programming button while connecting the BLACK 4-PIN connector.



- 04** Wait, LED 1 will flash RED. RELEASE programming button.



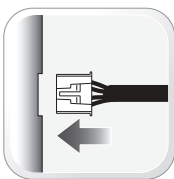
- 05** LED 1 will turn RED for 2 seconds.



- 06** Module RESET completed.



- 07** Reconnect all connectors.



- 08** Repeat programming procedure.



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



CHECKLIST	
1	WARNING: Vehicle engine will start many times. Test in a well ventilated area.
2	Close all vehicle doors, hood and trunk.
3	Press LOCK button three times [3x] rapidly on the OEM keyfob to remote start vehicle.
	Question 1: Does the vehicle remote start?
☐	YES: Go to next step.
☐	NO: The module doesn't detect OEM remote lock button from the vehicle communication network. Check all connections, repeat the test and call technical support, if the problem persists.
4	Press LOCK button three times [3x] rapidly on the OEM keyfob to shut down vehicle.
	Question 2: Does the vehicle shut down?
☐	YES: Go to next step.
☐	NO: Repeat step. If the problem persists, press on the brake pedal once [1x] to shut down the vehicle and call technical support.
5	RAP Shutdown test
	Question 3: Did the radio, interior controls, and headlights turn off within 60 seconds after remote start shutdown?
☐	YES: Go to next step.
☐	NO: Verify the RAP SHUTDOWN connections as illustrated in the wiring diagram. Repeat the test and call technical support, if the problem persists.
6	Open hood.
7	If not already installed, affix the mandatory orange warning sticker under the hood and proceed to next step.
8	Press LOCK button three times [3x] rapidly on the OEM keyfob to remote start vehicle.
	Question 4: Does the vehicle remote start?
☐	YES: The vehicle is not equipped with a factory hood pin. Install a mandatory aftermarket hood switch, then repeat the test.
☐	NO: Go to next step.
9	Close hood.
10	Enter vehicle and close the doors.
11	Press LOCK button three times [3x] rapidly on the OEM keyfob to remote start vehicle.
12	Wait for the vehicle to start.
13	Press brake pedal.
	Question 5: Does the vehicle shut down?
☐	YES: Go to next step.
☐	NO: The module does NOT detect the brake pedal signal. Press LOCK button three times [3x] rapidly on the OEM keyfob to shut down, check the brake connection as illustrated in the wiring diagram, if applicable, and call technical support.
14	Exit vehicle.
15	Installation checklist completed.