

Omegalink

Alarms & Remote Start

INSTALL GUIDE

OEM-NI(RS)-NI6-[OL-RS-NI5]-EN

DOCUMENT NUMBER
27541

REVISION DATE
20160302

FIRMWARE
OEM-NI(RS)-NI6-[OL-RS-NI5]

HARDWARE
OL-RS-NI5

ACCESSORIES
OL-LOADER (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)

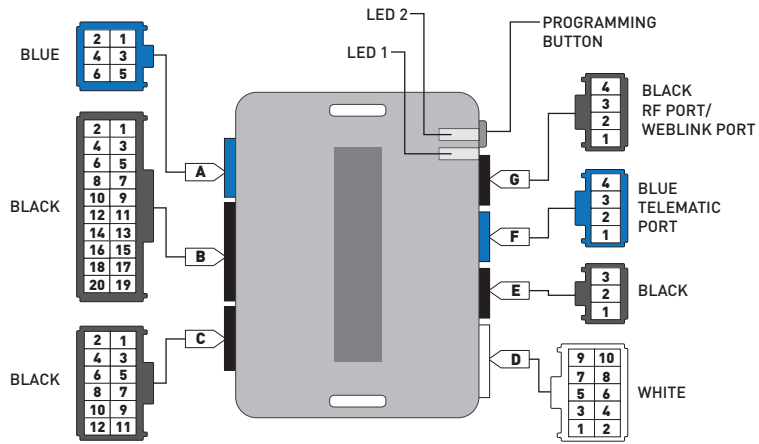
MAKE	MODEL	YEAR	INSTALL TYPE	FEATURES														
				DATA IMMOBILIZER BYPASS	SECURE TAKE OVER	DISARM OEM ALARM	DOOR LOCK	DOOR UNLOCK	3X LOCK START/STANDALONE MOD.	POWER LIFT GATE	POWER SLIDING DOORS (L)	POWER SLIDING DOORS (R)	TRUNK/HATCH RELEASE	DOOR STATUS OUTPUT	TRUNK STATUS OUTPUT	HOOD STATUS OUTPUT**	TACHOMETER OUTPUT	BRAKE PEDAL STATUS OUTPUT *
INFINITI	M35 Hybrid PTS AT	12-13	1	•	•	•	•	•	•				•	•	•	•	•	•
	M37 PTS AT	10	3	•	•	•	•	•	•				•	•	•	•	•	•
	M37 PTS AT	11-13	1	•	•	•	•	•	•				•	•	•	•	•	•
	M56 PTS AT	10	3	•	•	•	•	•	•				•	•	•	•	•	•
	M56 PTS AT	11-13	1	•	•	•	•	•	•				•	•	•	•	•	•
	Q70 PTS AT	14-15	1	•	•	•	•	•	•				•	•	•	•	•	•
	Q70L PTS AT	15	1	•	•	•	•	•	•				•	•	•	•	•	•
	QX56 PTS AT	11-13	1	•	•	•	•	•	•	•				•	•	•	•	•
	QX80 PTS AT	14-15	1	•	•	•	•	•	•	•				•	•	•	•	•
NISSAN	Cube PTS AT	09-14	1	•	•	•	•	•	•				•	•	•	•	•	•
	Juke PTS AT	11-16	1	•	•	•	•	•	•				•	•	•	•	•	•
	Quest PTS AT	11-16	1	•	•	•	•	•	•				•	•	•	•	•	•
	Quest (with power sliding doors) PTS AT	11-16	2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Sentra PTS AT	13-16	4	•	•	•	•	•	•				•	•	•	•	•	•
	Versa Sedan PTS AT	13-16	1	•	•	•	•	•	•				•	•	•	•	•	•
Versa Note PTS AT	14-16	4	•	•	•	•	•	•				•	•	•	•	•	•	

* Available only when ignition is in the ON position.

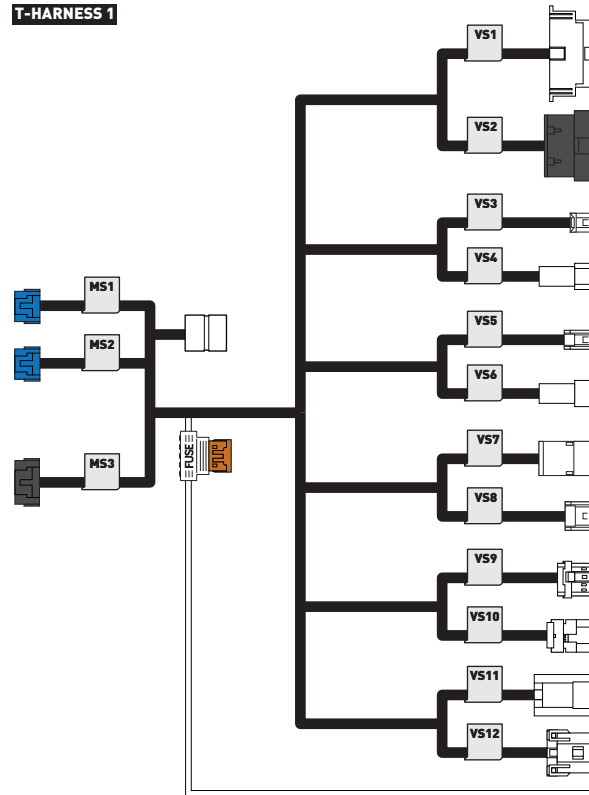
** Available only if vehicle is equipped with factory hood switch.

BOX CONTENTS

MODULE



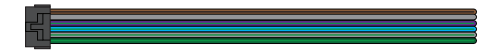
T-HARNESS 1



10 PIN CONNECTOR



12 PIN CONNECTOR



OPTIONAL TERMINALS (OEM ALARM CONTROL)



AFTERMARKET HOOD SWITCH AND CABLE



WARNING STICKER



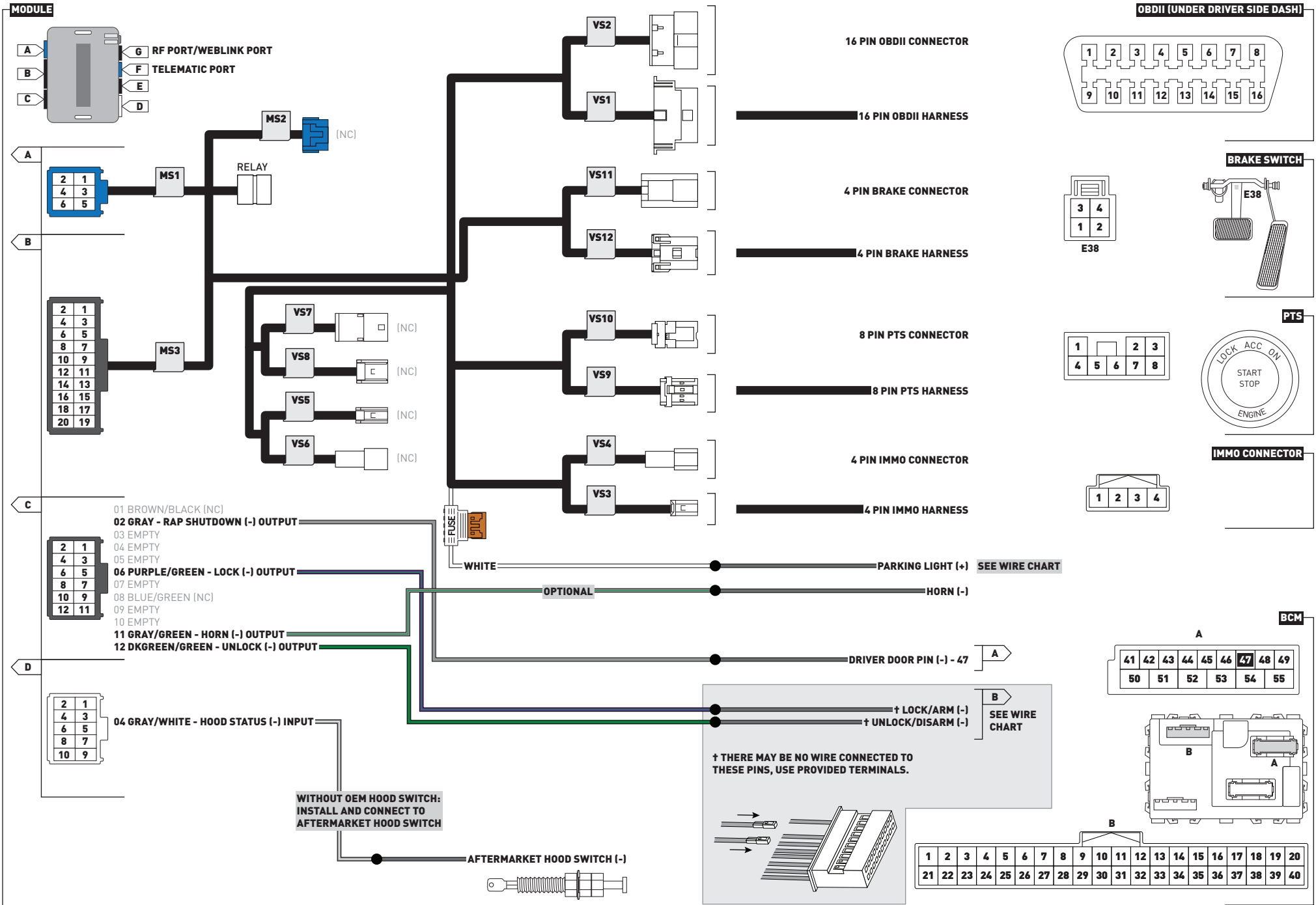
WEBLINK CABLE (required accessory sold separately)



MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
INFINITI	M35 Hybrid PTS AT	12-13	Lock/Arm	M120	Black	40 pin	12	Empty	(-)	BCM, left of steering column (use provided terminal for connection)	~
			Unlock/Disarm	M120	Black	40 pin	13	Empty	(-)	BCM, left of steering column (use provided terminal for connection)	~
			Driver Door Pin	M121	Black	15 pin	47	LtGreen	(-)	BCM, left of steering column	~
			Parking Light	B8	~	12 pin	02	Blue	(+)	Driver kick panel	~
	M37 PTS AT	11-13	Lock/Arm	M120	Black	40 pin	12	Empty	(-)	BCM, left of steering column (use provided terminal for connection)	~
			Unlock/Disarm	M120	Black	40 pin	13	Empty	(-)	BCM, left of steering column (use provided terminal for connection)	~
			Driver Door Pin	M121	Black	15 pin	47	LtGreen	(-)	BCM, left of steering column	~
			Parking Light	B8	~	12 pin	04	Blue	(+)	Driver kick panel	~
	M56 PTS AT	11-13	Lock/Arm	M120	Black	40 pin	12	Empty	(-)	BCM, left of steering column (use provided terminal for connection)	~
			Unlock/Disarm	M120	Black	40 pin	13	Empty	(-)	BCM, left of steering column (use provided terminal for connection)	~
			Driver Door Pin	M121	Black	15 pin	47	LtGreen	(-)	BCM, left of steering column	~
			Parking Light	B8	~	12 pin	04	Blue	(+)	Fuse box, rear side	~
	Q70 PTS AT	14-15	Lock/Arm	M120	Black	40 pin	12	Empty	(-)	BCM, left of steering column (use provided terminal for connection)	~
			Unlock/Disarm	M120	Black	40 pin	13	Empty	(-)	BCM, left of steering column (use provided terminal for connection)	~
			Driver Door Pin	M121	Black	15 pin	47	LtGreen	(-)	BCM, left of steering column	~
			Parking Light	B8	~	12 pin	04	Blue	(+)	Driver kick panel	~
	Q70L PTS AT	15	Lock/Arm	M120	Black	40 pin	12	Empty	(-)	BCM, left of steering column (use provided terminal for connection)	~
			Unlock/Disarm	M120	Black	40 pin	13	Empty	(-)	BCM, left of steering column (use provided terminal for connection)	~
			Driver Door Pin	M121	Black	15 pin	47	LtGreen	(-)	BCM, left of steering column	~
			Parking Light	B8	~	12 pin	04	Blue	(+)	Driver kick panel	~
QX56 PTS AT	11-13	Lock/Arm	M68	Black	40 pin	12	Empty	(-)	BCM, behind cluster (use provided terminal for connection)	~	
		Unlock/Disarm	M68	Black	40 pin	13	Empty	(-)	BCM, behind cluster (use provided terminal for connection)	~	
		Driver Door Pin	M69	Black	15 pin	47	Gray/Red	(-)	BCM, behind cluster	~	
		Parking Light	M2	White	10 pin	8B	Blue/Orange	(+)	Fuse box	~	
QX80 PTS AT	14-15	Lock/Arm	M68	Black	40 pin	12	Empty	(-)	BCM, behind cluster (use provided terminal for connection)	~	
		Unlock/Disarm	M68	Black	40 pin	13	Empty	(-)	BCM, behind cluster (use provided terminal for connection)	~	
		Driver Door Pin	M69	Black	15 pin	47	Gray/Red	(-)	BCM, behind cluster	~	
		Parking Light	M2	White	10 pin	8B	Blue/Orange	(+)	Fuse box	~	
NISSAN	Cube PTS AT	09-14	Lock/Arm	M68	Black	40 pin	08	White/Black	(-)	BCM, driver kick panel	~
			Unlock/Disarm	M68	Black	40 pin	07	White/Red	(-)	BCM, driver kick panel	~
			Driver Door Pin	M69	Black	15 pin	47	Brown/Yellow	(-)	BCM, driver kick panel	~
			Parking Light	M80	~	16 pin	13	Brown/white	(+)	Driver kick panel	~

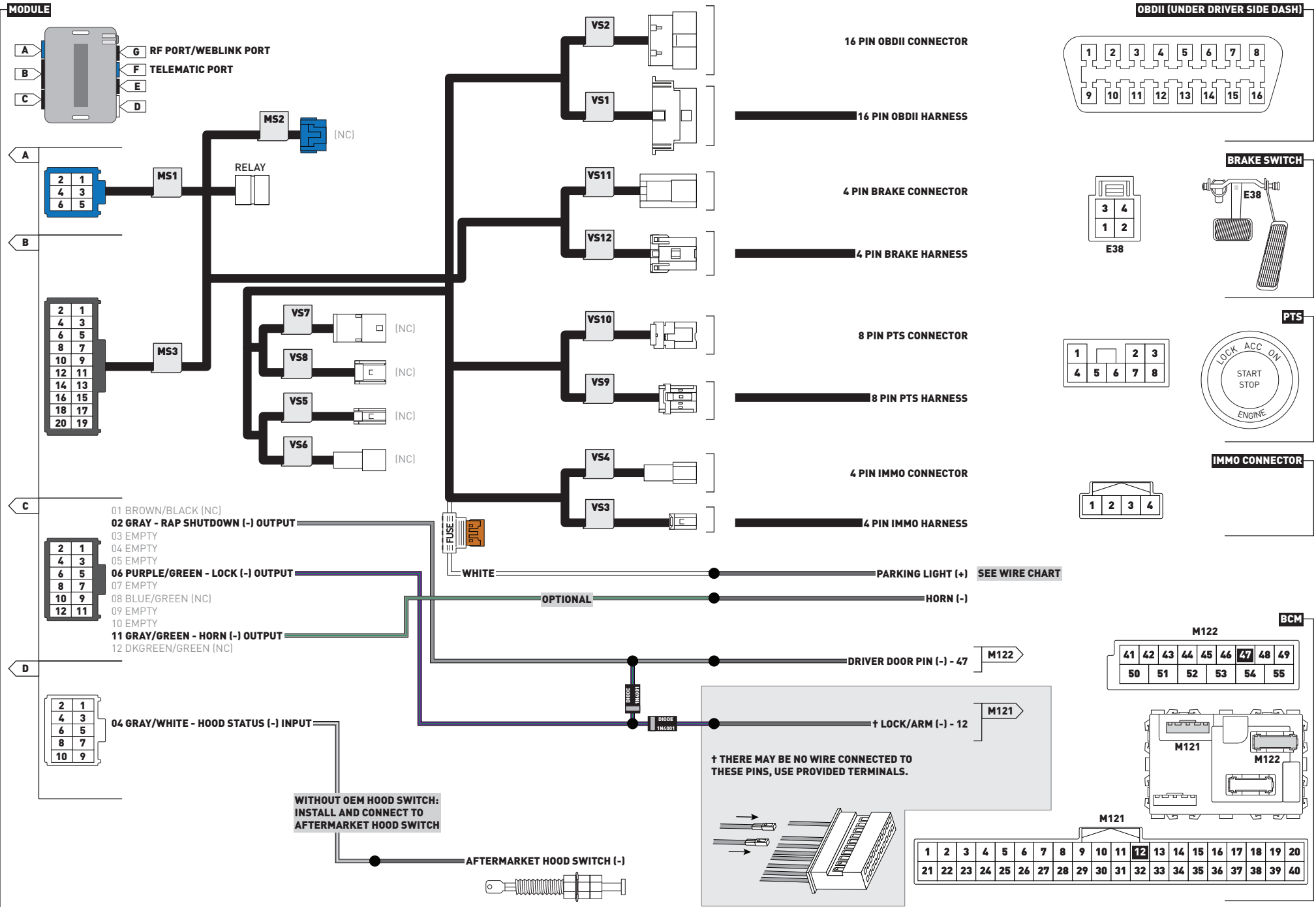
MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
NISSAN	Juke PTS AT	11-16	Lock/Arm	M68	Black	40 pin	08	Red	(-)	BCM near A pillar, driver side	~
			Unlock/Disarm	M68	Black	40 pin	07	Blue	(-)	BCM near A pillar, driver side	~
			Driver Door Pin	B10	Black	15 pin	47	LtBlue	(-)	BCM near A pillar, driver side	~
			Parking Light	M77	~	100 pin	70	Violet	(+)	Driver kick panel	~
	Quest* PTS AT	11-14	Lock/Arm	M121	Black	40 pin	08	Yellow	(-)	BCM, behind cluster	~
			Unlock/Disarm	M121	Black	40 pin	07	White	(-)	BCM, behind cluster	~
			Driver Door Pin	M122	Black	15 pin	47	Green	(-)	BCM, behind cluster	~
			Parking Light	M2	~	10 pin	8B	LtBlue	(+)	Fuse box	~
	Quest* PTS AT	15-16	Lock/Arm	M121	Black	40 pin	08	Gray	(-)	BCM, behind cluster	~
			Unlock/Disarm	M121	Black	40 pin	07	Brown	(-)	BCM, behind cluster	~
			Driver Door Pin	M122	Black	15 pin	47	Green	(-)	BCM, behind cluster	~
			Parking Light	M2	~	10 pin	8B	Pink	(+)	Fuse box	~
	Versa Sedan PTS AT	13-16	Lock/Arm	M68	Black	40 pin	08	Gray	(-)	BCM near A pillar, driver side	~
			Unlock/Disarm	M68	Black	40 pin	07	White	(-)	BCM near A pillar, driver side	~
			Driver Door Pin	B10	Black	15 Pin	47	LtBlue	(-)	BCM near A pillar, driver side	~
			Parking Light	B12	~	16 pin	04	Blue	(+)	Driver kick panel	~

* Model without power sliding doors

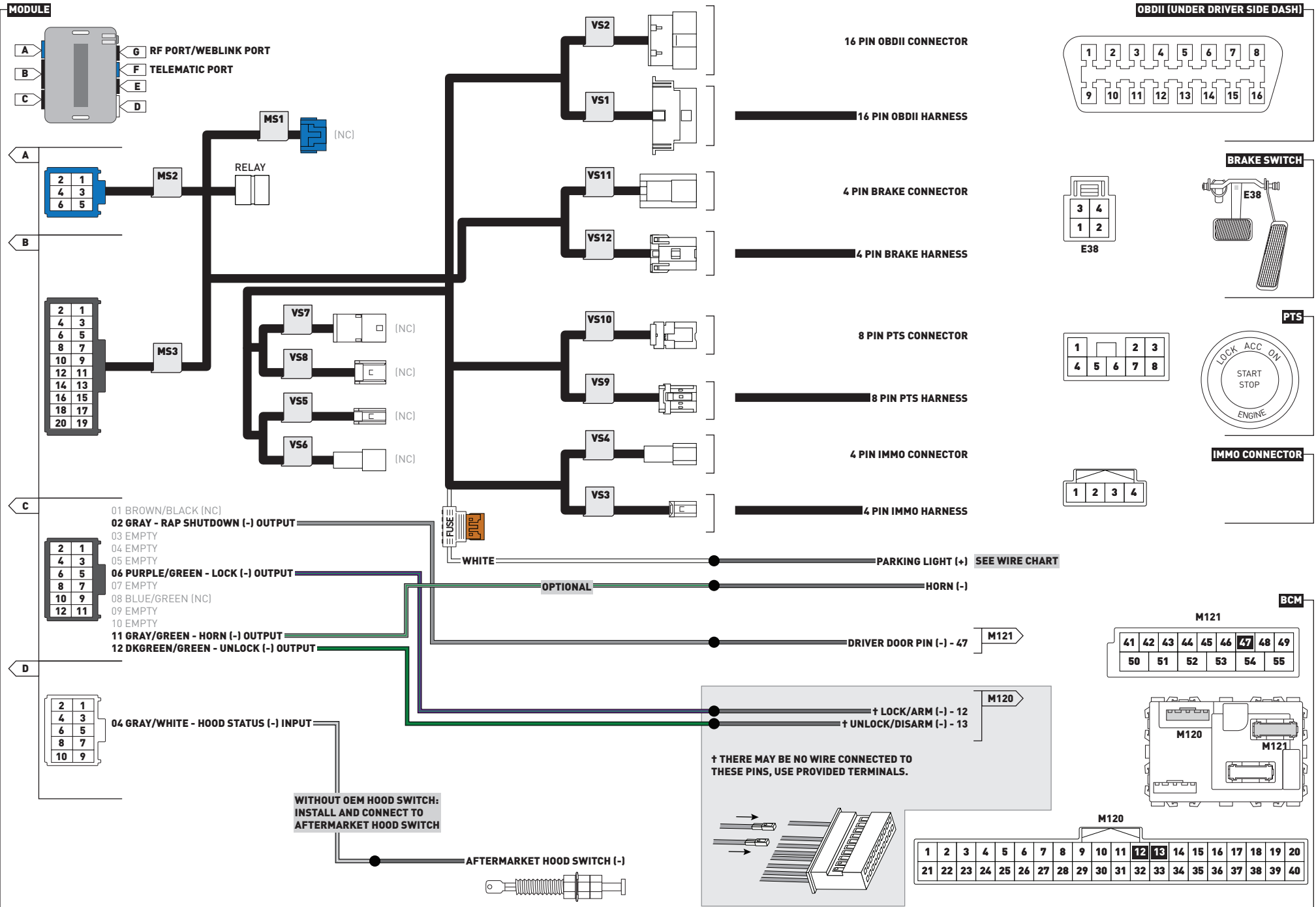


MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
NISSAN	Quest* PTS AT	11-14	Lock/Arm	M121	Black	40 pin	12	Empty	(-)	BCM, behind cluster (use provided terminal for connection)	~
			Driver Door Pin	M122	Black	15 pin	47	Green	(-)	BCM, behind cluster	~
			Parking Light	M2	~	10 pin	8B	LtBlue	(+)	Fuse box	~
	Quest* PTS AT	15-16	Lock/Arm	M121	Black	40 pin	12	Empty	(-)	BCM, behind cluster (use provided terminal for connection)	~
			Driver Door Pin	M122	Black	15 pin	47	Green	(-)	BCM, behind cluster	~
			Parking Light	M2	~	10 pin	8B	Pink	(+)	Fuse box	~

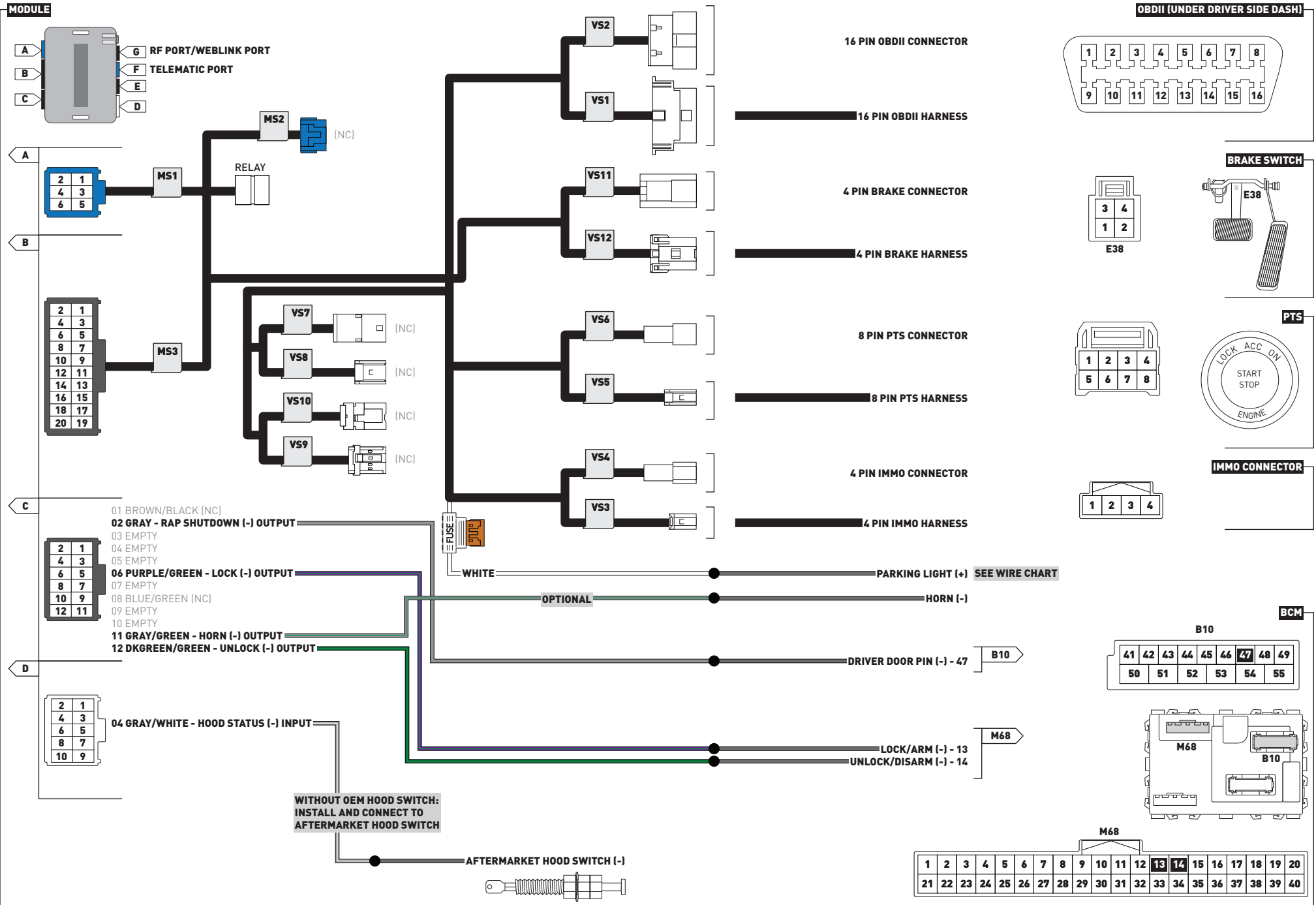
* Model with power sliding doors




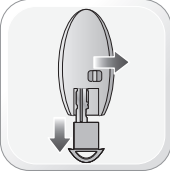
MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
INFINITI	M37 PTS AT	10	Lock/Arm	M120	Black	40 pin	12	Empty	(-)	BCM, left of steering column (use provided terminal for connection)	~
			Unlock/Disarm	M120	Black	40 pin	13	Empty	(-)	BCM, left of steering column (use provided terminal for connection)	~
			Driver Door Pin	M121	Black	15 pin	47	LtGreen	(-)	BCM, left of steering column	~
			Parking Light	~	~	~	~	Red/Blue	(+)	Driver kick panel	~
	M56 PTS AT	10	Lock/Arm	M120	Black	40 pin	12	Empty	(-)	BCM, left of steering column (use provided terminal for connection)	~
			Unlock/Disarm	M120	Black	40 pin	13	Empty	(-)	BCM, left of steering column (use provided terminal for connection)	~
			Driver Door Pin	M121	Black	15 pin	47	LtGreen	(-)	BCM, left of steering column	~
			Parking Light	~	~	~	~	Red/Blue	(+)	Driver kick panel	~





MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
NISSAN	Sentra PTS AT	13-16	Lock/Arm	M68	Black	40 pin	13	Purple	(-)	BCM near A pillar, driver side	~
			Unlock/Disarm	M68	Black	40 pin	14	Blue	(-)	BCM near A pillar, driver side	~
			Driver Door Pin	B10	Black	15 pin	47	Yellow	(-)	BCM near A pillar, driver side	~
			Parking Light	M5	~	16 pin	05	White	(+)	Passenger kick panel	~
	Versa Note PTS AT	14-16	Lock/Arm	M68	Black	40 pin	13	Gray	(-)	BCM near A pillar, driver side	~
			Unlock/Disarm	M68	Black	40 pin	14	White	(-)	BCM near A pillar, driver side	~
			Driver Door Pin	B10	Black	15 pin	47	LtBlue	(-)	BCM near A pillar, driver side	~
			Parking Light	M16	White	24 pin	03	Red	(+)	Driver kick panel	~





01  When programming, only one keyfob will be used. Place the other one at least 10 feet away from the vehicle.


02  Remove valet key from keyfob 1.


03  Remove battery from keyfob 1.

>>  **IMPORTANT:** Place and hold keyfob 1 on push to start button for steps 4 to 13.


04  Place and hold keyfob 1 on push to start button (no battery). Keyfob transponder is located behind keyfob logo.


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

06  Wait, LED will turn solid RED.


07  Wait until the key symbol light flashes. (This may take up to 12 seconds.)


08  Press and release brake pedal once [1x].

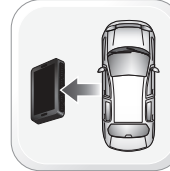
09  Wait, LED will turn solid GREEN.


10  Wait until the key symbol light flashes. (This may take up to 12 seconds.)

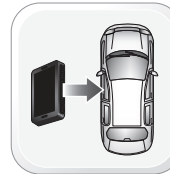
11  Press and release brake pedal once [1x].


12  Wait, LED will flash GREEN rapidly.

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

14  **WARNING:** Disconnect power last. Disconnect module from vehicle.

15  Connect module to computer and proceed with extended programming.

16  Connect power first. Connect module to vehicle.

>>  **IMPORTANT:** Place and hold keyfob 1 on push to start button for steps 17 to 21.

17



Place and hold keyfob 1 on push to start button (no battery). Keyfob transponder is located behind keyfob logo.

18



Wait until the key symbol light turns OFF.

19



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

20



Wait, LED will turn solid GREEN for 2 seconds.

21



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

22



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.

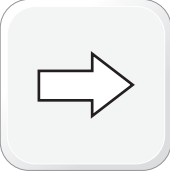
>>




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.

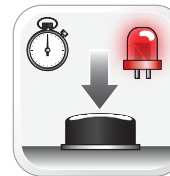
05  IN THE OPTIONS: Press the programming button as many times as the option number indicates. LED 1 will flash RED an equal amount of times continuously.


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.

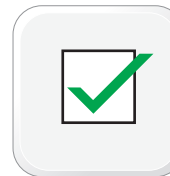
09  To return to the MENUS: exit the Module Navigation and redo the Module Navigation Procedure.


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	01 OFF 02 ON
			02 RELOCK AFTER START	01 OFF 02 ON
			03 RELOCK AFTER SHUTDOWN	01 OFF 02 ON
			04 FORCE UNLOCK ALL ON FIRST PRESS	01 OFF 02 ON
			05 TAKEOVER	01 ENABLE 02 DISABLE*
			06 N/A	01 N/A
			07 FACTORY KEYLESS RS SEQUENCE	01 DISABLE 02 N/A 03 LOCK + UNLOCK + LOCK 04 LOCK + LOCK + LOCK
			08 MODULE RUN TIME	01 03 MIN 02 05 MIN 03 10 MIN 04 15 MIN 05 25 MIN 06 30 MIN 07 35 MIN 08 15 MIN
			09 WAIT TO START DELAY	01 02 SEC 02 05 SEC 03 08 SEC 04 10 SEC 05 15 SEC 06 20 SEC 07 25 SEC 08 30 SEC
			10 N/A	01 N/A
			11 N/A	01 N/A
			12 N/A	01 N/A
			13 N/A	01 N/A

*Vehicle will shutdown when a door is opened.

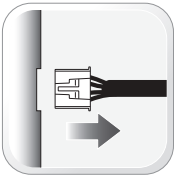
MODULE NAVIGATION CHART: NOTES	[X] MENUS		[Y] OPTIONS		[Z] SETTINGS	
	01	CONFIGURATION	14	HORN EVENT TRIGGER	01	DOUBLE LOCK
					02	LOCK + UNLOCK
					03	LOCK + UNLOCK + START
					04	DOUBLE LOCK + START
			15	HORN CHIRPS WIDTH	01	30 mSEC
					02	15 mSec
					03	60 mSec
	02-07	Technical Support only	01	N/A	01	N/A

*Vehicle will shutdown when a door is opened.

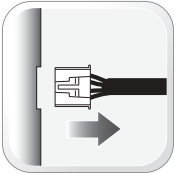
REMOTE STARTER ERROR CODES: NOTES	[X] NUMBER OF PARKING LIGHT FLASHES	DIAGNOSTIC
I WARNING: The following applies only when the parking lights are connected and supported by the system.	03	Foot brake is ON.
	04	Hood is open.
II After a remote starter failure, the parking lights will flash [X] number 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.
	09	RS not synchronized. Start vehicle with OEM key for 15 sec before trying a new RS sequence.
	10	N/A
	11	N/A
	12	N/A
	13	N/A
	14	N/A
	15	N/A
	16	CAN communication failure during RS sequence.

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 20-PIN connector.



02 Disconnect the BLACK 20-PIN connector.



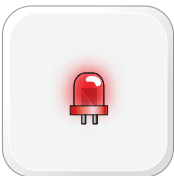
03 PRESS AND HOLD the module's programming button while connecting the BLACK 20-PIN connector.



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



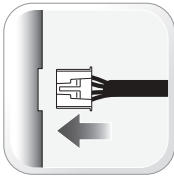
05 LED 1 will turn RED for 2 seconds.



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.



>>



All vehicle doors must be closed and locked prior to remote start sequence.

01



Time restriction. Complete steps 2 to 5 within 45 seconds.

02



Press unlock on OEM or aftermarket remote.

03



Open driver door and enter vehicle.

04



Close driver door.

05



Press and release BRAKE pedal.

06



Take over procedure completed.

>>



Failure to follow procedure will result in vehicle engine shutdown.

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?
<input type="checkbox"/>	YES: Go to next step.
<input type="checkbox"/>	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?
<input type="checkbox"/>	YES: Go to next step.
<input type="checkbox"/>	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?
<input type="checkbox"/>	YES: Go to next step.
<input type="checkbox"/>	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?
<input type="checkbox"/>	YES: The vehicle is not equipped with a factory hood pin. Install a mandatory aftermarket hood switch, then repeat the test.
<input type="checkbox"/>	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?
<input type="checkbox"/>	YES: Go to next step.
<input type="checkbox"/>	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.