

# FTI-NSP1: Vehicle Coverage and Preparation Notes

Make	Model	Year	Install	CAN	Lights	BCM	Locks	Clutch
DL-NI6 Nissan	Juke PTS MT	2011-17	Type 2 Clutch1/2	CAN A	Optional VIO	NAP	Type A	Clutch Assembly C1 - brown (+) C2 - Gray (open)

**Firmware:** This installation requires **BLADE-AL(DL)-NI6**, flash module and update the controller firmware before installing.

### NI-LOCK harness configuration:

Door locks, OEM alarm, hazard lights, and trunk connections are as illustrated, make no other connections to avoid damage.

Pre-wired in NI-LOCK harness (**green/white**). Vehicles equipped with **MOMENTARY** switch use POC1 set to option #30 [Hazard1], vehicles equipped with **LATCHING** switch use option #23 [Hazard2]. POC1 configuration required, unless using (+) parking lights.

**RAP Shutdown:** Pre-wired in the harness from BLADE output, connect to driver's door pin at the 15-pin connector of the BCM.

**Parking Lights:** (+) Parking lights (optional) are in the driver's kick panel, wire colors vary by model, locations are as indicated.

**NI-LOCK Trunk/Hatch Release:** Connect only when indicated, most NI6 vehicles include firmware coverage of the feature, only when specifically indicated is it necessary to make an analog connection, or when the feature is available but the firmware fails to provide the necessary control. **Feature not available in the Nissan Cube.**

**Clutch Bypass:** Vehicles equipped with a manual transmission require additional wiring to allow a successful remote start. There are two clutch circuits that need to be manipulated, **Clutch 1 (C1)** requiring a +12V signal, and **Clutch 2 (C2)** requiring the circuit to be opened. Both circuit actions required during start. The illustration details the modification of the **NSP1 Brake** harness used for the C1 circuit, connect as illustrated, and the additional wiring required for manipulating C2 (additional relay required).

## FTI-NSP1: Installation and Configuration Notes

- A CONNECTION REQUIRED - CONFIGURE AS ILLUSTRATED
- B CONNECTION REQUIRED
- C CONNECTION REQUIRED
- D CONNECTION REQUIRED
- E CONNECTION REQUIRED



FEATURE COVERAGE																		
IMMOBILIZER DATA	SECURE TAKEOVER	DOOR LOCK	DOOR UNLOCK	DISARM OEM ALARM	A/M ALARM CTRL FROM OEM REMOTE	A/M RS CONTROL FROM OEM REMOTE	POWER LIFTGATE	POWER SLIDING DOOR (L)	POWER SLIDING DOOR (R)	TRUNK/HATCH RELEASE	DOOR STATUS	HOOD STATUS	TRUNK STATUS	BRAKE STATUS	TACH OUTPUT	E-BRAKE STATUS	PARKING LIGHTS	HAZARD LIGHTS
○	○	○	○	○	○	○				●	○	○	○	○	○		○	○

**•FT-DAS Required for manual transmission.**  
**•BOTH Red & Red/White MUST be connected with high current application.**

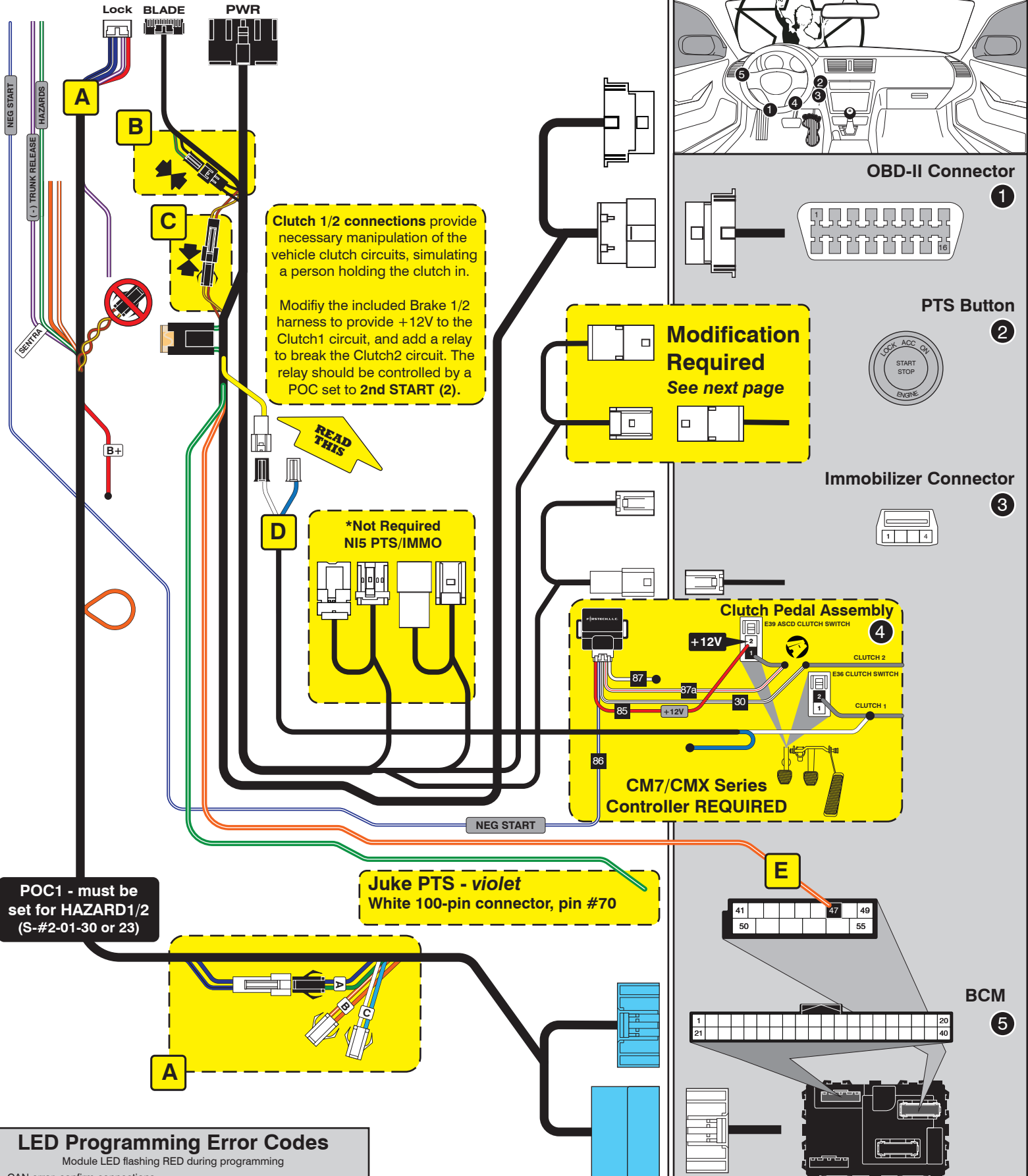
Jumper Setting			
Parking Light	Accessory	Ignition (Default)	Ignition (Default)
(+)Door Trigger In	(-)Door Trigger In (Default)	Trunk Starter	Starter Ignition
		Parking Light (Default)	Accessory (Default)

CM7000/7200 Cut loop for A/T

CM-900S/900AS

**CM900AS/900S Jumper**

START	ACC	IGN1
-------	-----	------

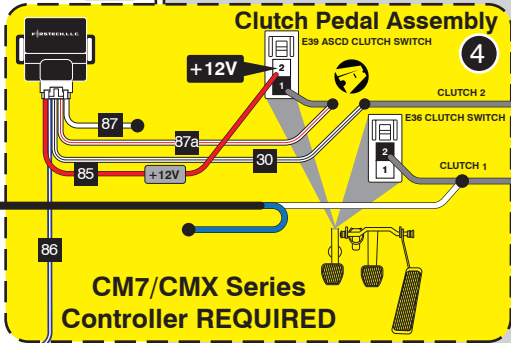


**Clutch 1/2 connections** provide necessary manipulation of the vehicle clutch circuits, simulating a person holding the clutch in.

Modify the included Brake 1/2 harness to provide +12V to the Clutch1 circuit, and add a relay to break the Clutch2 circuit. The relay should be controlled by a POC set to 2nd START (2).

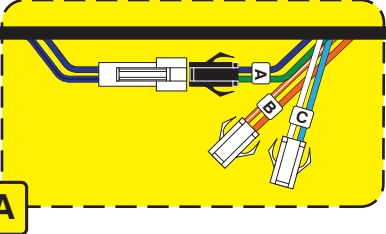
**Modification Required**  
See next page

**\*Not Required**  
NI5 PTS/IMMO



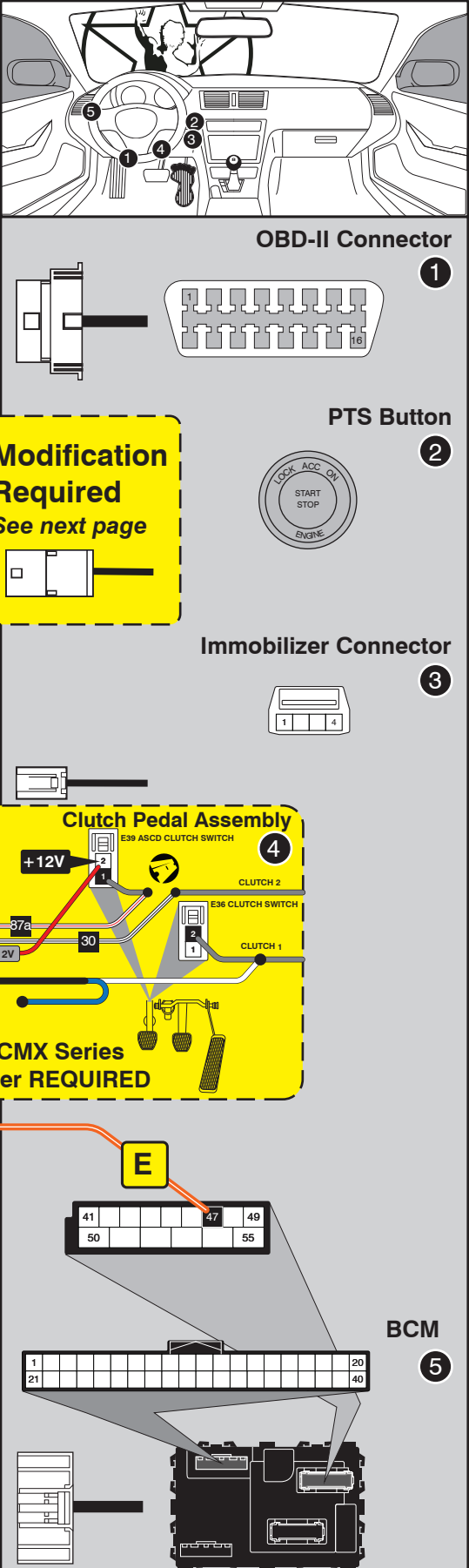
**POC1 - must be set for HAZARD1/2**  
(S-#2-01-30 or 23)

**Juke PTS - violet**  
White 100-pin connector, pin #70



**LED Programming Error Codes**  
Module LED flashing RED during programming

1x - CAN error, confirm connections	11x - No immobilizer data
2x - No PTS signal, check connections	12x - Klon error, redo with doors closed
3x - No IGN, check voltage at OBD-II	13x - No ignition
4x - No brake status, check connections	
5x - No immobilizer data, only one key	
6x - No brake, connections	
7x - No brake, connections	
8x - No immobilizer data	
9x - Different key in use	
10x - No PTS signal	



The following vehicle installations require modifying the FTI-NSP1 PTS connector in order to successfully remote start:

Nissan Cube	2009-14
Nissan Juke	2011-17
Nissan Sentra	2013-19
Nissan Versa Sedan	2013-19
Nissan Versa Note	2014-19

Step 1 of the modification (Figure 1) normal configuration of the PTS connector, with the PTS control wire at position #4 of the 8-pin connector.

This install requires a connection to the wire at position #8 of the connector, as illustrated in figure 4, below.

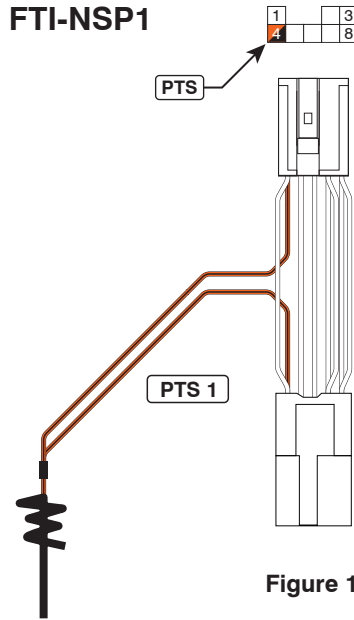


Figure 1

Step 2 of the modification (Figure 2), cut and strip the existing PTS connection. Step 3 reconnect the PTS circuit (soldering is preferred) and insulate connection. Step 4 connect the harness PTS circuit to the wire in pin #8 of the PTS button connector (solder is once again preferred) and secure the connections to avoid possible damage and or short circuits.

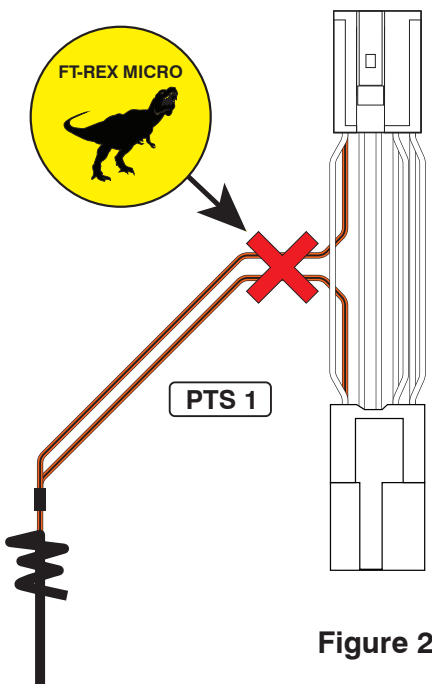


Figure 2

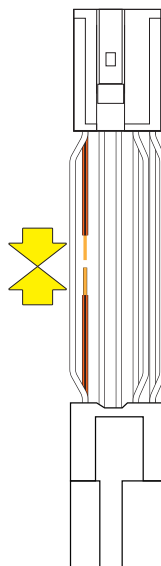


Figure 3

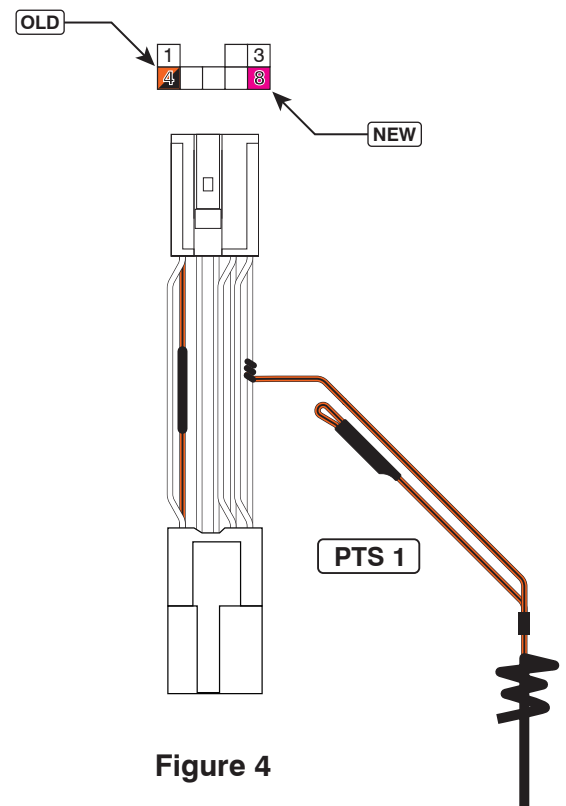
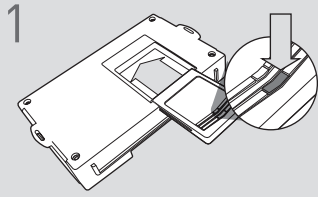


Figure 4

## CARTRIDGE INSTALLATION



1 Slide cartridge into unit. Notice button under LED.

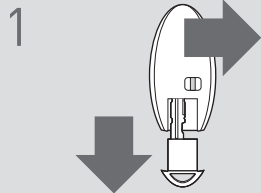
2

Ready for Module Programming Procedure.

## MODULE PROGRAMMING PROCEDURE - WITH KLON - 1 OF 2

### NOTE

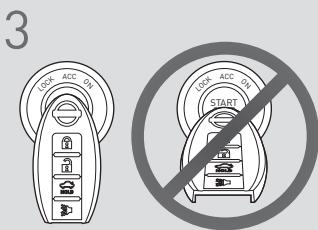
- 1 When programming, only one key fob will be used. The other one must be located at least 10 feet away from the vehicle.



1 Remove valet key from keyfob 1.



2 Remove battery from keyfob 1.



3 Place and hold keyfob 1 on push start button. (No battery)

Keyfob transponder is located behind keyfob logo.

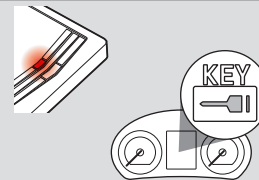


**IMPORTANT:** Place and hold keyfob 1 on push start button for steps 3 to 10.



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

5



LED will turn solid RED. Wait 12 seconds or until the security light flashes. (The security light may not appear.)

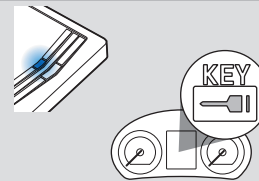
6



AT: Press and release brake pedal once [1x].

MT: Press and release both brake and clutch pedals at the same time, once [1x].

7



LED will turn solid BLUE. Wait 12 seconds or until the security light flashes. (The security light may not appear.)

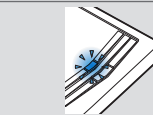
8



AT: Press and release brake pedal once [1x].

MT: Press and release both brake and clutch pedals at the same time, once [1x].

9



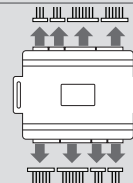
Wait, LED will flash BLUE rapidly.

10



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

11



Disconnect all connectors from remote starter except the power connector.



**IMPORTANT: READ NEXT PAGE !**

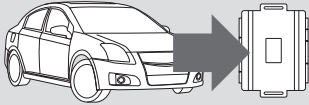
## MODULE PROGRAMMING PROCEDURE - WITH KLON - 2 OF 2

12

Disconnect the power connector.

13

Remove remote starter from vehicle.



14

Connect remote starter to computer.



15

Proceed with extended programming.



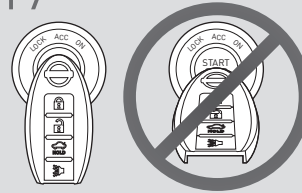
16

Connect remote starter to vehicle.



17

Place and hold keyfob 1 on push start button. (No battery)



Keyfob transponder is located behind keyfob logo.

Wait until the security light turns OFF.



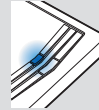
**IMPORTANT:** Place and hold keyfob 1 on push start button for steps 17 to 20.

18



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

19



Wait, LED will turn solid BLUE for 2 seconds.

20



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

21

Module Programming Procedure completed.

## WARNING: READ BEFORE REMOTE STARTING THE VEHICLE

### IMPORTANT

- I All vehicle doors must be closed and locked prior to remote start sequence. Failure to comply will result in remote starter malfunction.

## TAKE OVER PROCEDURE - PUSH TO START - TO THE VEHICLE OWNER

### NOTE

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



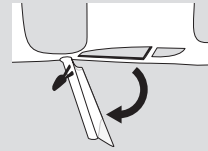
**TIME RESTRICTION COMING UP !**

1



Unlock vehicle door using OEM or after-market remote, or door request switch.

2



### TIME RESTRICTION

Within 45 SECONDS from previous step:

Open vehicle door.  
Enter vehicle.  
Close vehicle door.

Press and release BRAKE pedal.

3

Take over procedure completed.



Failure to follow procedure will result in vehicle engine shutdown.