

FIRSTECH
NSP3-NI3
Frontier Intelli
Key PTS AT



FIRSTECH NSP3-NI3 Frontier Intelli Key PTS AT Installation Guide

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FIRSTECH NSP3-NI3 Frontier Intelli Key PTS AT



Product Usage Instructions

- Before installing the FTI-NSP3 harness on your vehicle, ensure you have the required firmware and components as specified in the manual:
- The NSP3 harness does not require any additional connections for CAN data.
- The N13 CAN connections are hardwired between the black 20-pin BLADE and black 40-pin BCM connectors.
- Visual status confirmations and diagnostic information are provided via hazard lights when using the NSP3 harness. Configure the controller POC1 output based on your switch type:
- Be cautious when connecting the BCM connectors to avoid vehicle damage.
- Connect T-harness connections one at a time, ensuring correct positioning before proceeding.

FAQ

- **Q:** What should I do if I encounter issues during installation?
- **A:** If you face any difficulties during installation, refer to the user manual for troubleshooting steps. Ensure all connections are secure and follow the guidelines provided.
- **Q:** Can the FTI-NSP3 harness be used on other vehicle models?
- **A:** The FTI-NSP3 harness is specifically designed for use with the 2020-2024 Nissan Frontier Intelli-Key PTS AT. It is recommended to use it only with compatible models.

Vehicle Coverage and Preparation

FTI-NSP3: Vehicle Coverage and Preparation Notes

Make	Model	Year	Install	IGN	Lights	BCM	POC	I/O Changes
DL-NI3 Nissan	Frontier Intelli-Key PTS AT	2020-24	Type 2	YES	Park / Auto POC 1 Hazard1/2	RSC	See note	Green White/Blue None/IGN

- Install Type 2 requires BLADE-AL(DL)-NI3 firmware, flash module and update the controller firmware before installing.
- **CAN:** The NSP3 harness does not require any additional connections or special configuration of the harness for CAN data connections, the NI3 CAN connections are hardwired between the black 20-pin BLADE and black 40-pin BCM connectors.
- **Lights:** Visual status confirmations and diagnostic information are provided via hazard lights when using the NSP3 harness.
- The controller POC1 output must be configured for one of the following settings (depending on switch type):
 - Hazard light [30] (momentary hazard switch)
 - Hazard light 2 [23] (latching hazard switch)

POC Configuration:

- CMX: POC2 – 2nd START [2]
- POC3 – 2nd IGN [3]
- CM9: POC3 – (-) START
- POC4 – (-) IGNITION

I/O Changes: Type 2 requires configuring the CN1 blue wire for ACC output, controller specific settings are listed.

Vehicle Damage Warning:

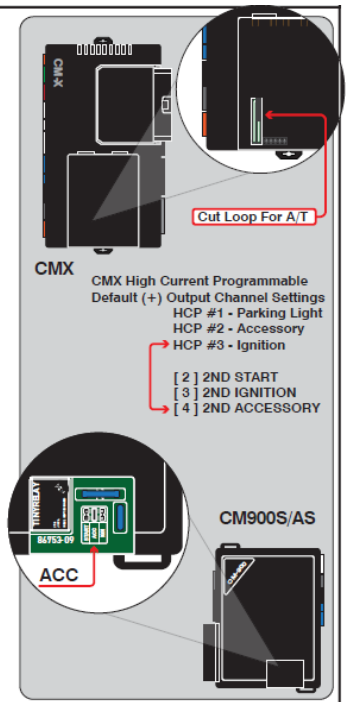
Caution should be taken to avoid mixing up the BCM connectors, vehicle damage will result if the connectors are positioned improperly. It is advised that you make the BCM connections one at a time, confirming that each T-harness connection is at the correct BCM position before proceeding to the next connection, attempting to program, or attempting to remote start.

FTI-NSP3: Installation and Configuration Notes

- **A** REQUIRED CONNECTIONS – SECURE UNUSED I/O CONNECTORS
- **B** REQUIRED CONNECTIONS – SEE WARNING ABOVE
- **C** REQUIRED CONNECTION

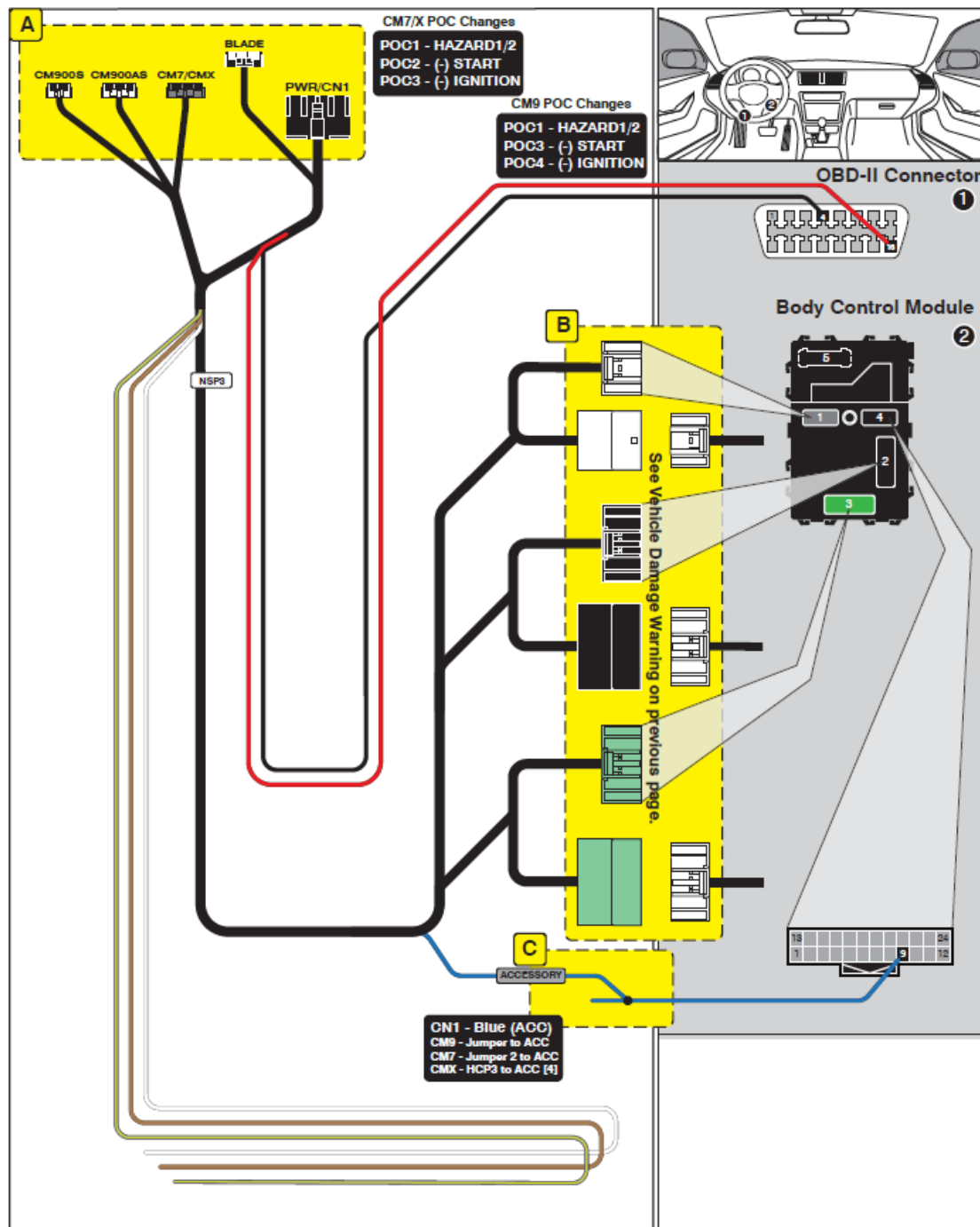


FEATURE COVERAGE																	
IMMOBILIZER DATA																	
PRIORITY UNLOCK																	
DOOR LOCK																	
DOOR UNLOCK																	
ARM OEM ALARM																	
DISARM OEM ALARM																	
TRUNK/HATCH RELEASE																	
HOOD STATUS																	
DOOR STATUS																	
TRUNK STATUS																	
BRAKE STATUS																	
E-BRAKE STATUS																	
TACH OUTPUT																	
SECURE TAKEOVER																	
HAZARD LIGHTS																	



WIRING

FTI-NSP3 – DL-NI3 – Type 2 2020-24 Nissan Frontier Intelli-Key PTS AT



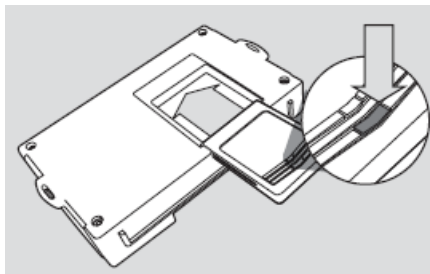
LED Programming Error Codes

Module LED flashing RED during programming

- 1x – No CAN activity, check connectors, check CAN voltages
- 2x – No immobilizer data, confirm connectors used
- 3x – VIN detection error, contact support
- 4x – No ignition, confirm connection and voltage

CARTRIDGE INSTALLATION

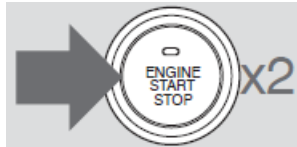
1. Slide cartridge into unit. Notice button under LED.



2. Ready for Module Programming Procedure.

MODULE PROGRAMMING PROCEDURE

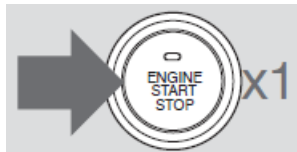
1. Push start button twice [2x] to ON position.



2. Wait, LED will turn solid BLUE for 2 seconds



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



4. Module Programming Procedure completed.

PUSH TO START VEHICLE TAKE OVER PROCEDURE – TO THE VEHICLE OWNER

NOTE

This procedure is to be followed during remote starter runtime prior to entering vehicle.
All vehicle doors must be closed.

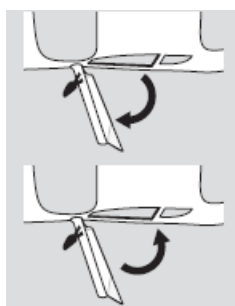
1. Press UNLOCK on after-market remote or OEM fob.



2. Open vehicle door.

Enter vehicle WITH THE OEM FOB.

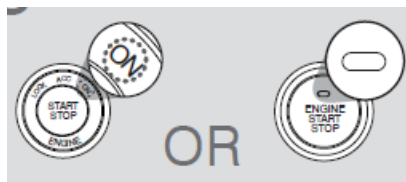
Close vehicle door.



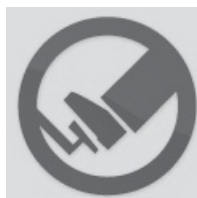
3. Wait for the LED indicator of the push button to be in the ON position.

OR

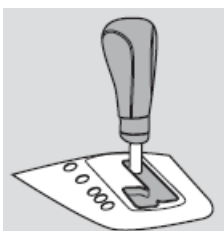
Wait for the ORANGE LED indicator of the push button to turn on.



4. Press and release BRAKE pedal.



5. It is safe to select gear ONLY AFTER LED indicator is in ON position.

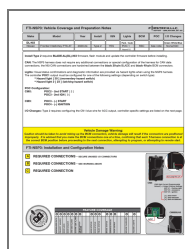


6. Push to Start vehicle take over procedure completed.

Failure to follow procedure may result in vehicle displaying CHECK ENGINE or TIRE PRESSURE error messages.

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Documents / Resources



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References

- [iDataLink - Home](#)
- [User Manual](#)

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