FTI-NSP1: Vehicle Coverage and Preparation Notes

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Make	Model	Year	Install	CAN	Lights	BCM	Locks	Clutch
DL-NI5								**Clutch Assembly**
Infiniti	G35 PTS MT	2009	Type 2 Clutch 1	CAN A	RED	PKP	Type B	C1 - gray (+) C2 - lt.blu (open)

Type 2 installation requires **BLADE-AL(DL)-NI5** firmware and **CM7/X controller**, flash module and update controller before install.

NI-LOCK harness configuration: Lock connections for Intelli-key vehicles are type B, secure unused connectors for safety.

Optional Hazard Light Control: 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].

RAP Shutdown: Pre-wired in NI-LOCK harness to driver's door pin at BCM, connect **CM POC** configured for RAP to ***orange*/*white*** wire in **NI-LOCK** harness.

PARKING LIGHTS: Positive parking lights are available at the rear of the fuse junction panel, connector E103/106/6, pin #9, colors* vary by year and model, test circuit behavior to confirm light activity.

NI-LOCK/NI5 Behavior and wiring options: NI-LOCK accessory harness is capable of providing connection to **ARM & DISARM *(lock A, B, or C)*, RAP *(org/wht)*, and HAZARD *(grn/wht)*** connections in a single connector at the BCM.

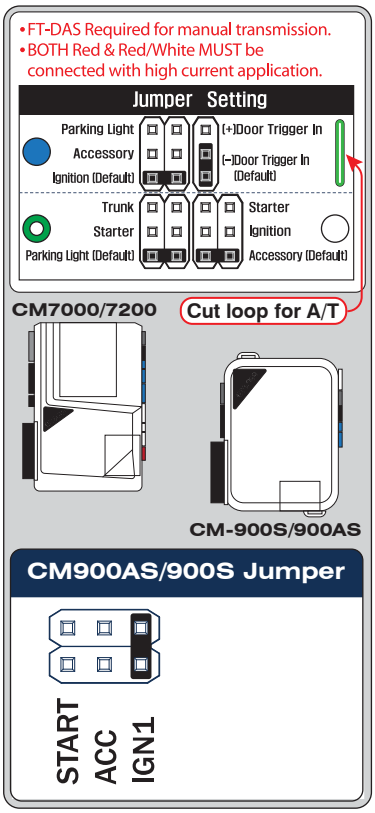
READ THIS

NI5 firmware is capable of providing control over the factory alarm, automatically disarming the alarm when remote start is engaged, by providing ignition and immobilizer data emulating key presense. The alarm will disarm when needed but will not rearm at the end of a remote start session, so this must also be considered. No additional arm/disarm wiring is required, but upon a normal unlock using aftermarket remotes the instrument cluster will illuminate as a result of ignition activity. If this activity is an issue, mandatory connection of the arm/disarm wires at the BCM is required, as well as using the circuit jumper in note [B] of the installation diagram.

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** CONNECTIONS REQUIRED - REFER TO CLUTCH BYPASS NOTE FOR DETAILS
- **B** NOT REQUIRED - SEE FIRMWARE NOTE ABOVE
- **C** REQUIRED CONNECTION
- **D** CONFIGURE AND CONNECT AS ILLUSTRATED
- **E** OPTIONAL CONNECTION



FEATURE COVERAGE

IMMOBILIZER DATA	SECURE TAKEOVER	DOOR LOCK	DOOR UNLOCK	DISARM OEM ALARM	A/M ALARM CTRL	A/M RS CONTROL	TRUNK/HATCH RELEASE	DOOR STATUS	HOOD STATUS	TRUNK STATUS	BRAKE STATUS	TRACH OUTPUT	E-BRAKE STATUS
○	○	○	○	○	○	○	○	○	○	○	○	○	○

FTI-NSP1 - DL-NI5 - Type 2 2009 Infiniti G35 PTS MT

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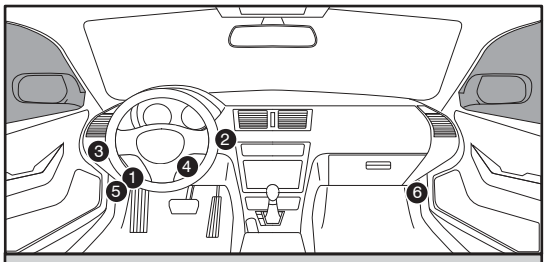


Lock
BLADE
PWR
NEG START
RAP SHUTDOWN
SENTRA
B+
D
B
C
A

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

Modifiy 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).**

READ THIS

*Not Required
NI6 PTS/IMMO

Clutch Pedal Assembly
4
E39 ASCD CLUTCH SWITCH
+12V
CLUTCH 2
E36 CLUTCH SWITCH
CLUTCH 1
87
87a
30
85
+12V
86
CM7/CMX Series
Controller REQUIRED
A

NEG START

OBD-II Connector
1

PTS Button
2
LOCK ACC ON
START
STOP
ENGINE

Keyport Connector
3

Fuse Box
(Rear)
5

(+) Parking Light
Connection
E

BCM
6

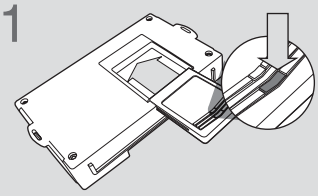
D

LED Programming Error Codes

Module LED flashing RED during programming

1x - CAN error, check OBD-II connector
2x - No PTS signal, check connector to PTS button
3x - No immobilizer data, check connector to key port
4x - No PTS signal, check connector to PTS button
5x - No immobilizer data, check connector to key port
6x - No ignition, check connector to OBD-II port
7x - Key error, confirm using only one key through process
8x - VIN error, confirm Weblink vehicle entry

CARTRIDGE INSTALLATION

1 

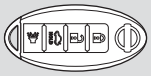
Slide cartridge into unit. Notice button under LED.

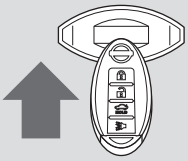
2 Ready for Module Programming Procedure.

MODULE PROGRAMMING PROCEDURE

NOTE

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



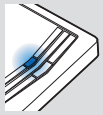


Insert keyfob 1 in keyport.

2 

DO NOT PRESS BRAKE PEDAL

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

3 

Wait, LED will turn solid BLUE for 2 seconds.

4 

DO NOT PRESS BRAKE PEDAL

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

5 Module Programming Procedure completed.

WARNING: READ BEFORE REMOTE STARTING THE VEHICLE

IMPORTANT

- 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

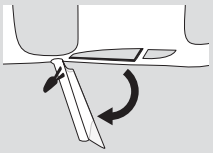
- All vehicle doors must be closed and locked prior to remote start sequence.

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.