Platform # 531   Firmware: JDL

Description: Chrysler Dodge Jeep Combo Door Lock Alarm Interface & RF Transponder Bypass (NO KEY REQUIRED)

Functions: Data Interface: Lock/Unlock, Driver Priority Unlock, OEM Security Arm/Disarm, Panic, Door status output wire for aftermarket alarm
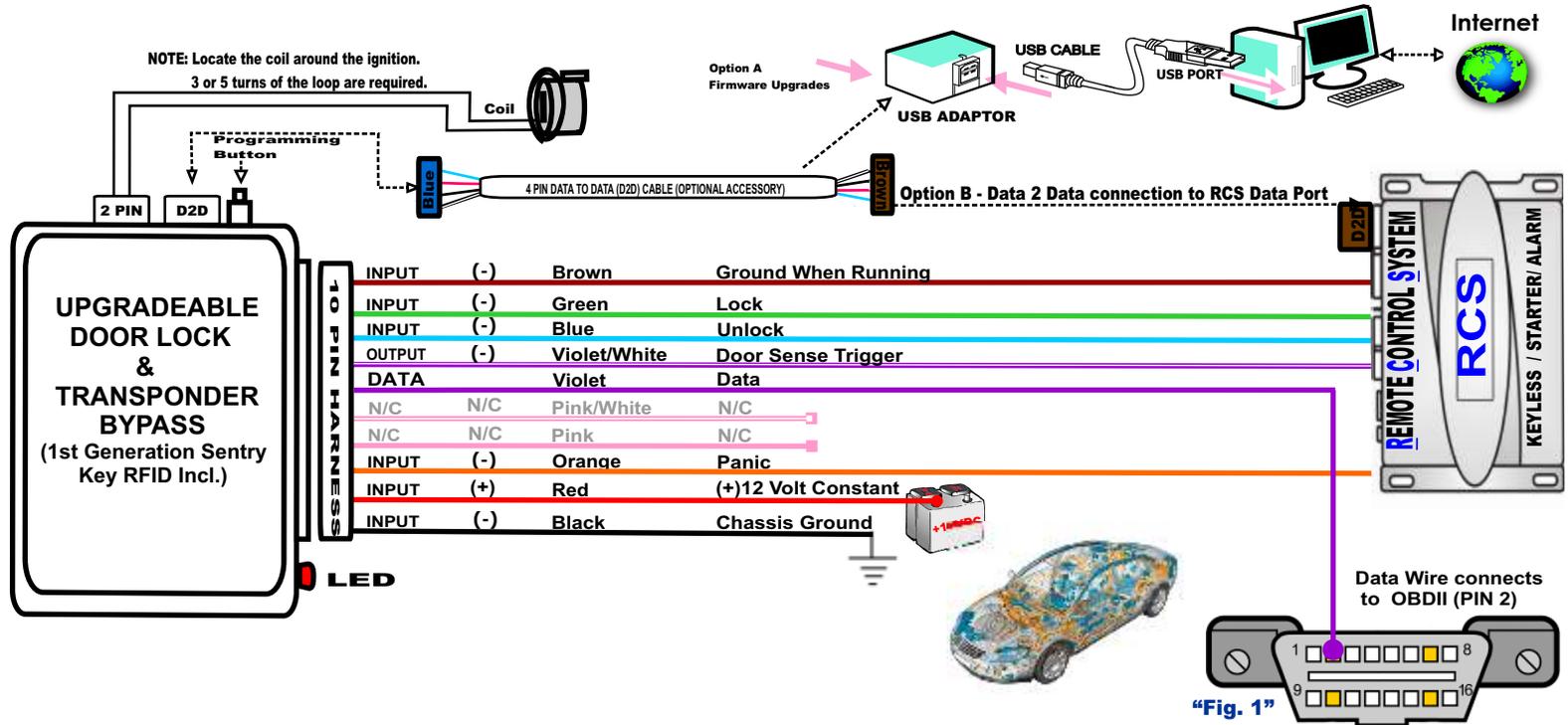
Downloadable Firmware for Platform #531: CHDL2, CHDL3, CHDL4, CHDL6+, JDL

⚠️ **WARNING:** Before beginning your install go to www.IntelliKits.com and be sure to print the LATEST corresponding installation manual for the firmware that is flashed to the platform you are using.

Section A

See Wire Connection Guide for detailed information regarding wire functionality

NOTE: Locate the coil around the ignition. 3 or 5 turns of the loop are required.

UPGRADEABLE DOOR LOCK & TRANSPONDER BYPASS (1st Generation Sentry Key RFID Incl.)

I/O	Status	Wire	Function
INPUT	(-)	Brown	Ground When Running
INPUT	(-)	Green	Lock
INPUT	(-)	Blue	Unlock
OUTPUT	(-)	Violet/White	Door Sense Trigger
DATA		Violet	Data
N/C	N/C	Pink/White	N/C
N/C	N/C	Pink	N/C
INPUT	(-)	Orange	Panic
INPUT	(+)	Red	(+)12 Volt Constant
INPUT	(-)	Black	Chassis Ground

Data Wire connects to OBDII (PIN 2)

"Fig. 1"

Option B - Data 2 Data connection to RCS Data Port

Section B

WIRE GUIDE :   CONNECTIONS

10 PIN HARNESS   ▷ **D2D = Optional use of 4 Pin Data to Data (D2D) cable will replace the analogue wire (w2w) connection**

PIN#	WIRE COLOR	VEHICLE TYPE	D2D w2w	I/O STATUS	(-)/(+)	Connect Location	SPECIFIC WIRE CONNECTION LOCATION	ACTIVATION and/or FUNCTIONALITY
1	Brown	N/A	w2w	Input	(-)	RCS	Ground When Running output of remote starter.	Factory Alarm Arm/Disarm + Defrost + RF Transponder 1st Generation Sentry Bypass
2	Green	N/A	D2D w2w	Input	(-)	RCS	Connect to (-) Lock Ouput wire of RCS	Lock All Doors (See User Settings)
3	Blue	N/A	D2D w2w	Input	(-)	RCS	Connect to (-) Unlock Output wire of RCS	Unlock All Doors (See User Settings)
4	Violet/ White	N/A	D2D w2w	Output	(-)	RCS	Connect to (-) door trigger input wire of RCS	Detects Doors status (open/closed) via data bus then converts to an analogue output (-)
5	Violet	N/A	w2w	Data	(-)	Vehicle	On Board Diagnostic Connector (OBDII) PIN2 Face View Under Dash on Driver Side (See Fig.1)	Data Commands from Module to Vehicle
6	Pink/ White	N/C	N/C	N/C	N/C	N/C	N/C	N/C
7	Pink	N/C	N/C	N/C	N/C	N/C	N/C	N/C
8	Orange	N/A	D2D w2w	Input	(-)	RCS	Panic Output (Optional Connection)	Enables Panic Mode
9	Red	N/A	D2D w2w	Input	(+)	Vehicle	Constant (+) 12 Volt Source	+ 12 Volt Power Source
10	Black	N/A	D2D w2w	Input	(-)	Vehicle	Chassis Ground	Chassis Ground Source

Legend   **RCS = Remote Control System**   **N/C = No Connection**   **N/A = Not Applicable**   **W2W= analogue wire to wire**   **D2D= data 2 data**

DATA to DATA PORT (D2D) : **Blue connector** of D2D Cable plugs into the upgradeable vehicle interface module.
OPTION A: - D2D Port used to connect to USB Bootloader adaptor & computer to download & flash vehicle interface firmware.
OPTION B: - D2D Port used to connect to the data port of a remote control system equipped with ClearCode Vehicle Interface Protocol.
Remote control systems designed with ClearCode VIP can securely communicate via the D2D cable to transmit & receive data commands which initiate specific vehicle function such as doorlocks & immobilizer override and /or request information from the vehicle such as status of entry points (doors) or ambiant température, diesel glow plug etc… ClearCode VIP represents the doorway to vehicle integration...
When using D2D cable on a Combo kit which includes RF Transponder Bypass, the Brown GWR wire (10 pin), is a required connection.

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Section C

STEP #1 TRANSPONDER PROGRAMMING MODE

You will need 2 valid ignition keys. Proceed as follows:

1) Insert first valid key into ignition and turn the ignition switch **ON** for at least 5 seconds, but no longer than 15 seconds.

2) Turn ignition switch **OFF** and remove first key.

3) Within 5 seconds insert the second valid key and turn ignition switch **ON.** After 10 seconds a chime will sound and the security light will begin to flash. Turn ignition switch **OFF** and remove second key.

YOU NOW HAVE SECONDS TO PROCEED WITH NEXT STEP

4) For the next 2 steps, position and hold module (transponder side) close and towards the front of the ignition barrel (key cylinder). (Coil Loop is **not used** during programming)

5) With the help of a jumper wire, power up vehicle ignition.

6) After 10 seconds, a chime will sound. The security light will stop flashing, then turn ON for 3 seconds, then turn OFF. PK (transponder) portion of module is now programmed.

IMPORTANT NOTE:

Once the transponder portion has been programmed to a vehicle, it can not be used on any other vehicle.

STEP #2 DOOR LOCK PROGRAMMING

Once all wire connections have been properly connected:

1) Connect module to the 10-pin harness, LED will go **ON** to confirm correct connection.

2) Insert key into ignition cylinder, LED will go **OFF.**

3) The DATA BUS DOORLOCK INTERFACE MODULE is now programmed.

Section D

USER SETTINGS - OPTIONAL PROGRAMMING:

USER MODES are identified by a slow LED flash pattern. 1 slow flash=Mode1, 2 slow flashes=Mode 2 etc.

1) Key **"OFF"** position, **press** and **hold** program button for 2 seconds, LED will flash rapidly for 2 seconds. Release button, LED will identify the MODE selection with a slow flash pattern (1- 8 slow flashes) and then will identify OPTION selection with a fast flash pattern. (1 or 2 fast flashes)

2) To change **MODE**, **push button** one time, LED will confirm **MODE** with slow flash pattern (1-8 slow flashes).

3) To change OPTION SELECTION within a MODE, **press LOCK or UNLOCK** button on the aftermarket remote control system. LED will identify option selection with either one or two fast flashes.

4) To save and exit programming, **press** and **hold button** until LED flashes one time rapidly, showing end of OPTION programming.

* = Default

MODE 1 =	*OPTION 1: 1st pulse unlock all doors	OPTION 2: 1st pulse unlock driver door, 2nd pulse unlock all
MODE 5 =	*OPTION 1: Windows roll-up OFF	OPTION 2: Windows roll-up ON
MODE 8 =	*OPTION 1: Reset mode with unlock button.	

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IM-531
Compatibility Chart

Jeep	2004	2003	2002	2001	2000	1999
Grand Cherokee	🚗	🚗	🚗	🚗	🚗	🚗
Grand Cherokee Limited	🚗	🚗	🚗	🚗	🚗	🚗

Number of keys required to program kit: 2

Number of keys required for kit operation: 0

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