Platform # 531   Firmware: CHDL6+

Description: Chrysler Dodge Jeep Upgradeable Combo Door Lock Alarm Interface + 1st Generation Chrysler Sentry Key RF Transponder Override (No Key Required)
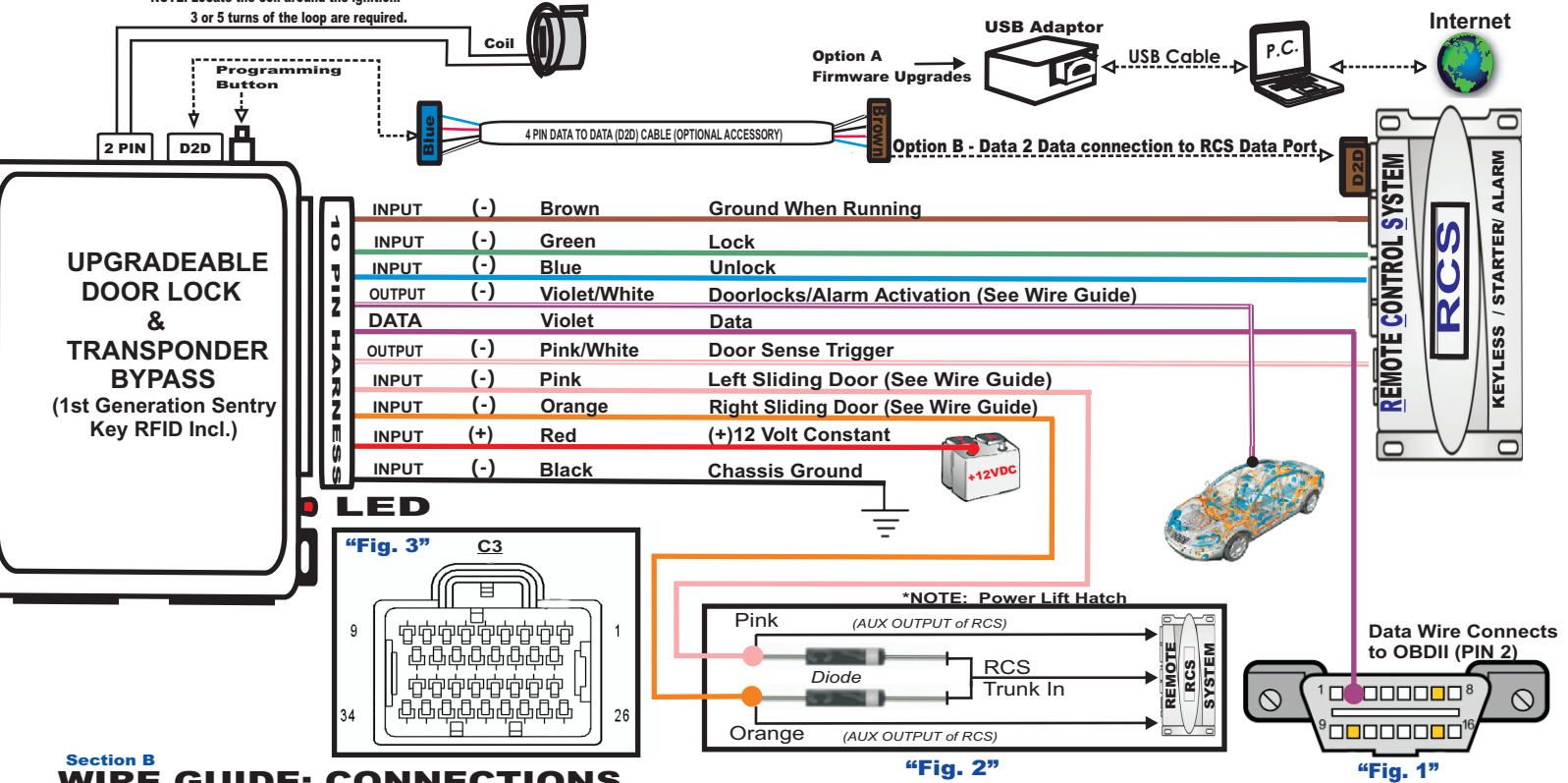
Functions: Data Bus Interface: Lock/Unlock, Trunk/Rear Hatch, Sliding Door RT & LFT, OEM Security Arm/Disarm, Starter Enable, Door Pin Status Output for aftermarket alarm

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.

Coil

Programming Button

USB Adaptor

Option A Firmware Upgrades

USB Cable

P.C.

Internet

2 PIN | D2D

Blue

4 PIN DATA TO DATA (D2D) CABLE (OPTIONAL ACCESSORY)

Brown

Option B - Data 2 Data connection to RCS Data Port

D2D

REMOTE CONTROL SYSTEM — RCS — KEYLESS / STARTER / ALARM

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

10 PIN HARNESS

INPUT	(-)	Brown	Ground When Running
INPUT	(-)	Green	Lock
INPUT	(-)	Blue	Unlock
OUTPUT	(-)	Violet/White	Doorlocks/Alarm Activation (See Wire Guide)
DATA		Violet	Data
OUTPUT	(-)	Pink/White	Door Sense Trigger
INPUT	(-)	Pink	Left Sliding Door (See Wire Guide)
INPUT	(-)	Orange	Right Sliding Door (See Wire Guide)
INPUT	(+)	Red	(+)12 Volt Constant
INPUT	(-)	Black	Chassis Ground

+12VDC

LED

"Fig. 3" C3

9 ... 1

34 ... 26

*NOTE: Power Lift Hatch

Pink   (AUX OUTPUT of RCS)

Diode

RCS Trunk In

REMOTE RCS SYSTEM

Orange   (AUX OUTPUT of RCS)

"Fig. 2"

Data Wire Connects to OBDII (PIN 2)

1 ... 8

9 ... 16

"Fig. 1"

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.	OEM Security Arm/Disarm + RF Transponder 1st Generation Sentry Bypass
2	Green	N/A	D2D w2w	Input	(-)	RCS	Connect to (-) Lock Ouput wire of RCS	Lock All Doors
3	Blue	N/A	D2D w2w	Input	(-)	RCS	Connect to (-) Unlock Output wire of RCS	Unlocks All Doors
4	Violet/White	Type 1 (2001-2003 Minivans)	w2w	Output	(-)	Vehicle	Connector C3 on BCM (Left side of steering column near firewall on) With Factory Alarm = Purple/Lt Blue (PIN14) Without Factory Alarm = Purple/Drk Green (PIN21)	Activates Doorlocks and Alarm
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/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 (-)
7	Pink	1 & 2	D2D w2w	Input	(-)	RCS	AUX Output for Left Sliding Door	1 sec (-) Pulse Left Slide Door Open/Close
8	Orange	1 & 2	D2D w2w	Input	(-)	RCS	AUX Output for Right Sliding Door	1 sec (-) Pulse Right Slide Door Open/Close
		1 & 2		Input	(-)	RCS	Trunk or AUX Output	3 sec (-) Pulse Releases Trunk/Rear Hatch OR 1 sec (-) Pulse simultaneously on Orange & Pink Releases Trunk/Rear Hatch (See Fig.2)
9	Red	N/A	D2D w2w	Input	(+)	Vehicle	Constant (+) 12 Volt Source	Power Source
10	Black	N/A	D2D w2w	Input	(-)	Vehicle	Chassis Ground	Ground Source

Legend   RCS = Remote Control System   N/C = No Connection   N/A = Not Applicable   w2w = Wire to Wire   D2D = Data to 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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Door Pin Status Output for aftermarket alarm

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.
The 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

VEHICLE TYPE PROGRAMMING:

1) Connect the module, LED comes ON solid.

2) Turn the ignition key to the **ON** position. LED will turn off then it will begin a flash pattern that matches the vehicle type selection.
(The default vehicle type selection is Type 1.)
If the module has never been programmed or has been reset, LED will indicate which TYPE the module is in by the number of flashes.

3) To change the vehicle type, press and release the program button until LED flash pattern matches the selected vehicle type.
LED flash pattern will match the Vehicle Type selected. *Example: 1 flash = Type 1, 2 flashes = Type 2 and so on.*

4) To save the vehicle type selection, press and hold the program button until the LED flashes rapidly. The module will then exit the
programming. The module is now programmed.*If LED comes on solid, turn the key to start the engine.*

*If the module has already been programmed, the number of flashes indicate the type programmed when applying power to module, one time only.
Module is now ready to function.*

Section E

VEHICLE TYPE CHART

Doors, Alarm and Transponder

VEHICLES	2003	2002	2001
GRAND CARAVAN	1	1	1
CARAVAN	1	1	1
TOWN & COUNTRY	1	1	1
VOYAGER	1	1	1

NOTE: Once you have determined your vehicle type, please refer to the Wire Connection Guide.

Section F

USER SETTINGS - OPTIONAL PROGRAMMING

NOTE: Only MODES 7 & 8 are available.

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 7 =	*OPTION 1:* Vehicle **with** alarm (Default)	**OPTION 2**: Vehicle **without** alarm
MODE 8 =	*OPTION 1: No reset (Default)	**OPTION 2**: Complete reset of option and module