EVO-ONE

RFK411

ALL-IN-ONE DATA INTERFACE
REMOTE STARTER / ALARM

QUICK INSTALLATION GUIDE

GUIDE # 68771

WIRING / CONNECTION GUIDE

(20-PIN) **SECONDARY CONNECTOR**

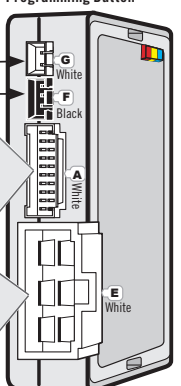
	(+) Foot Brake	Black	IN	A1
750mA	(-) Parking lights	Pink	OUT	
750mA	(-) Trunk Release/AUX	Yellow/Black	OUT	
	(-) Hand Brake	Brown/White	IN	
	(-) Hood/Door	Pink/Black	IN	
	Bypass config.	Purple/Yellow	⊖	
	Bypass config.	Green/White	⊖	
	Bypass config.	Green/Red	⊖	
	Bypass config.	White/Black	OUT	
	Bypass config.	Lt.Blue	⊖	A20

IN	Yellow	(+) BYPASS **IGNITION**	
OUT	Purple	(-) **LOCK**	750mA
OUT	Purple/White	(-) **UNLOCK**	750mA
OUT	Green	(-) **IGNITION**	750mA
OUT	White	(-) **START**	750mA
OUT	Orange	(-) **DISARM**	750mA
OUT	Orange/Black	(-) **HORN/SIREN**	2 Amp
OUT	Dk.Blue	(-) **GWR/PROGRAMMABLE**	750mA
IN	Red/Blue	**BYPASS CONFIG.**	
⊖	Lt.Blue/Black	**BYPASS CONFIG.**	

750 mA MAXIMUM OUTPUT. DO NOT EXCEED THE MAXIMUM CURRENT OR PERMANENT DAMAGE TO THE MODULE WILL OCCUR THAT WILL NOT BE COVERED UNDER WARRANTY.

(3-PIN) **SHOCK SENSOR**

(2-PIN) **Valet/ Programming Button**

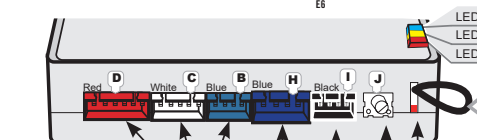


(6-PIN) **POWER CONNECTOR**

	Ground	Black	IN	E1
	(+) Ignition	Pink	OUT	
	(+) Starter	Yellow	OUT	

OUT	White	(+) **PARKLIGHTS/IGN2/ACC/START** PROGRAMMABLE OUTPUT (FUNCTION 2 & 31)	E6
OUT	Orange	(+) **ACC / IGN2** PROGRAMMABLE OUTPUT (FUNCTION 2 & 31)	
IN	Red	(+) **12V**	

LED Blue	**CAN ACTIVITY**
LED Yellow	**IGNITION ON**
LED Red	**BYPASS DATA**



CUT LOOP FOR AUTOMATIC TRANSMISSION MODE.

(6-PIN) **BYPASS RELAY**

(5-PIN) **CAN-BUS**

(4-PIN) **DATA-LINK ANTENNA**

(4-PIN) **ANTENNA**

REMOTE STARTER PROGRAMMING LED

BYPASS PROGRAMMING BUTTON

(4-PIN) **RS-232 DATA-LINK & FLASH-LINK UPDATER PORT**

EVO ONE

DOWNLOAD THE SPECIFIC VEHICLE INSTALLATION GUIDE AT:
WWW.FORTIN.CA

PROGRAMMING REMOTE TRANSMITTER(S)

The system can learn up to a maximum of 4 transmitters.
Any transmitters can be stored in more than 1 memory slot.
When a 5th transmitter is learned the 1st remote is erased (FIFO).

*Valet switch sold separately

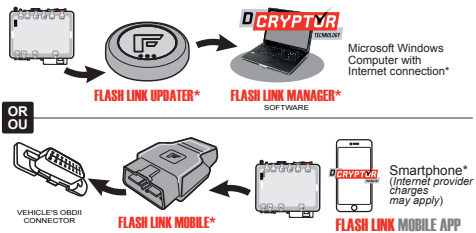
STEP 1	STEP 2	STEP 3	STEP 4		STEP 5	STEP 6
Turn the Ignition ON.	WITH IGNITION SWITCH: Turn the Ignition OFF.	WITH IGNITION SWITCH: Turn the Ignition ON. The LED will turn ON.	WITH IGNITION SWITCH: Press and release the brake pedal four times.	The LED will flash rapidly.	On each Transmitter Press and **HOLD** the (1) for **12 SECONDS** approximatively and **WAIT** for the Blue LED to **TURN OFF** then back **ON SOLID** then **release** (1). The LED will stop flashing for a second confirming programming.	Turn the Ignition OFF to exit programming.
	WITH VALET SWITCH*: Press and hold the valet switch* until the parking lights turn ON, the horn/siren will chirp.	WITH VALET SWITCH*: Press and release the valet switch* five time. The parking lights will flash and the horn/siren will chirp each time to confirm.	WITH VALET SWITCH*: Press and release the brake pedal once.			

ERASES ALL REMOTES THAT HAVE BEEN PROGRAMMED AND RESETS ALL FUNCTIONS BACK TO DEFAULT.

	STEP 1	STEP 2	STEP 3	STEP 4	STEP 5	STEP 6
Disarm the system (The antenna led must not be flashing, see enter/exit valet mode p.6).	Turn the Ignition ON. Within 5 sec.	OR: Press and hold the valet switch* or the antenna button until the Parking lights turn ON, the horn/siren will chirp.	OR: Press and release the valet switch* or the antenna button **23 TIMES**.	Press and release the brake pedal once.	OR: Press and hold the valet switch* or the antenna button for **5 seconds**. The Parking lights will flash to confirm.	Turn the Ignition OFF to exit programming. The Parking lights will flash 4 times.

FUNCTION PROGRAMMING

TO PROGRAM THE REMOTE-STARTER FUNCTION:



Connect the EVO-ONE
to the FLASH LINK UPDATER*
and navigate in the Flash-Link Manager*.

*Parts required (not included)

FUNCTION

	FUNCTION	MODE 1	MODE 2	MODE 3	MODE 4	MODE 5	MODE 6
1	—	—	—	—	—	—	—
2	Programmable Output (+) Ign/Acc/Start (FUNCTION 31 MODE 4)	White (+)Ignition2 Orange (+)Accessory Pink (+)Ignition Yellow (+)Start	White (+)Accessory2 Orange (+)Accessory Pink (+)Ignition Yellow (+)Start	White (+)Start2 Orange (+)Accessory Pink (+)Ignition Yellow (+)Start	White (+)Start Orange (+)Ignition2 Pink (+)Ignition Yellow (+)Start2	—	—
3	Tachless sensivity	Increase crank time ∞	+++++	++++ (By default)	+++	++ ∞ Decrease crank time	
4	Remote car starter runtime	Gas: 15 minutes Diesel: 30 minutes	Gas: 7 minutes Diesel: 14 minutes	Gas: 3 minutes Diesel: 6 minutes	—	—	—
5	Add Remote on FMH antenna series	Add Remote	—	—	—	—	—
6	Doorlock option	No	Unlock before remote-start & Lock after remote-start.	Lock after remote-start.	Unlock and relock after shut-down.	Relock 10 sec.after shut-down.	Disarm before shut down.
7	Ignition Doorlock option	No	Lock after foot-brake & unlock after key is turned OFF.	Unlock after key is turned OFF.	Doorlock Output at Ignition only.	—	—
8	Unlock Pulse Time	Single 0.25 sec	Double 0.25 sec	Single 4.0 sec	Single 2.5 sec	Single 1.5 sec	Single 0.75 sec

	FUNCTION	MODE 1	MODE 2	MODE 3	MODE 4	MODE 5	MODE 6
9	Active or Passive Alarm & Starter Kill.	Active Press LOCK to activate the Alarm and starter-kill.	Passive (Lock disabled) Arm alarm activate starter-kill 30(MODE 4), 60(MODE5), or 120(MODE6) sec. after the door is closed.	Passive (Lock enabled) Arm alarm, activate starter-kill and lock doors 30(MODE 4), 60(MODE5), or 120(MODE6) sec. after the door is closed.	Passive arm 30 seconds (by default if MODE 2 or 3 is activated.	Passive arm 60 seconds. (if MODE 2 or 3 is activated.	Passive arm 120 seconds. (if MODE 2 or 3 is activated.
10	Starter Kill Output. Required function 32 mode 4. - Dk.Blue (A8) = starter-kill.	Starter-kill &anti-grind	Anti-grind only	Relay normally open	—	—	—
11	Sound Confirmation & LED antenna Antidémarreur	1st LOCK/UNLOCK silent 2nd LOCK/UNLOCK sound --- Antenna LED active.	LOCK/UNLOCK sound always.	Antenna LED disabled.	Antenna LED disabled with ignition.	Confirmation sound at LOCK only	Panic mode disabled
12	Output horn/siren configuration	Horn(-) only.	Siren(+) Output (E1) white	Siren(+) Output (E1) white and Horn(-)	Siren(-) only (A7)	—	—
13	Confirmation Pulse	Long	Short	—	—	—	—
14	Alarm ON/OFF Starter ON/OFF	Alarm OFF Remote-starter ON	Alarm ON Remote-starter ON.	Alarm ON Remote-starter OFF	—	—	—
15	Smart Arming Smart Doorlock Smart Lock pulse	Disable	(Unlock signal) Automatically LOCK and rearm alarm if door(s) are not opened after 30 seconds.	Automatic Lock when starter kill arms.	Lock pulse only when its Unlock	—	—
16	Cold Start Timer	3 hours at -5ºc/Runtime	1.5 hours at -5ºc/Runtime	3 hours at -5ºc/5 minutes	1.5 hours at -5ºc/5 minutes	Cold time OFF	—
17	—	—	—	—	—	—	—
18	Diesel Mode	Disable	Enable (20 seconds) Delay between Ignition power up and Starter (crank).	Enable (10 seconds) Delay between Ignition power up and Starter (crank).	Enable No delay between Ignition power up and Starter (crank).	Enable (5 seconds) Delay between Ignition power up and Starter (crank).	—
19	Turbo timer	Disable	Run 2 minutes.	Run 4 minutes.	—	—	—
20	Engine supervision: -Tachless - -analog tach- -Tach Data-Link-	Tachless on crank and supervision Tach Data-Link.	Tachless only. (⚠ vehicles with automatic transmission only)	Start (Crank) 20 sec + Supervision by Data-LInk Tach	Start (crank) 8 seconds on Tachless. (⚠ vehicles with automatic transmission only)	Start (Crank) 8 sec + Supervision by Data-LInk Tach	Tach Data-Link only
21	Start Attempts	2	1	3	—	—	—
22	—	—	—	—	—	—	—
23	Master RESET	RESET all programming options by default. (Retains already programmed remote.)	—	—	—	—	—
24	—	—	—	—	—	—	—
25	—	—	—	—	—	—	—
26	Hybrid mode	Gas / Diesel vehicle	Hybrid vehicle	—	—	—	—
27	—	—	—	—	—	—	—
28	—	—	—	—	—	—	—
29	Alarm Duration	30 seconds	60 seconds	120 seconds	—	—	—
30	Valet code	Ignition ON Valet button x3 times.	Ignition ON Valet button x3 times and x1 times 3 seconds.	Ignition ON Valet button x4 times and x1 times 3 seconds.	Ignition ON Valet button x5 times and x1 times 3 seconds.	Ignition ON Valet button x6 times and x1 times 3 seconds.	Ignition ON Valet button x7 times and x1 times 3 sec.

	FUNCTION	MODE 1	MODE 2	MODE 3	MODE 4		MODE 5		MODE 6
31	Special application Programmable output (+)	No special application Priority on function 2	Special application - Function 2 (all option) not available.		White	(+) Parking Lights	White	(+) Parking Lights	White:(+) Parking-Lights
			White wire (E1) : Enable at ground out, disable with vehicle ignition OFF.	White wire (E1) : Trunk Output	Orange	(+) Accessory	Orange	Ign.2	Orange:(+) Parking lights
					Pink	(+) Ignition	Pink	Ign.1	Pink:(+) Ignition
					Yellow	(+) Start	Yellow	(+) Start	Yellow:(+) Start
32	Ground Out	Dk.Blue (Ground out): Shut-down 1 second after remote start run time.	Dk.Blue (Ground out): Shut-down 3 seconds after remote start run time.	Dk.Blue (Ground Out): Shutdown After	Dk.k Blue (Ground Out): Starter-Kill		Dk.k Blue (Ground Out): Arm / Rearm		Controlled by CAN learning
33	Manual transmission function	Manual transmission completed by door closed.	Automatically activated by hand-brake and Foot Brake	Manual sequence completed by locking the doors	Cancel ready mode when trunk open.		—		—
34	—	—	—	—	—		—		—
35	Door unlock Special application	No special application	Activate vehicle ignition at unlock.	Activate vehicle ignition and accessory at unlock.	—		—		—
36	Activation/desactivation remote Valet Mode	—	—	By Valet button only	—		—		—
37	Security Remote car starter Special application	No special application	Security ON: Shutdown Engine if the door is opened before UNLOCK is pressed. (Door trigger required).	—	—		—		—
38	System control by OEM Remote	Disable	Press 3x Lock to remote start	Start/Stop on trigger shock sensor	Alarm control by OEM Remote.		Press Lock, Unlock Lock to remote start		—
39	Temperature option	Disable	Enable : AUX1 activated at 5°c when remote started (see function 25)	—	—		—		—

LEGEND: FUNCTION BY DEFAULT

MANUAL TRANSMISSION SEQUENCE ⚠ FOR COMPATIBLE VEHICLES ONLY

STEP 1

Make sure that all doors are closed and the transmission is in the NEUTRAL position.

STEP 2

Press the brake

STEP 3

While the engine is running. Engage the parking brake.

STEP 4

Release the brake pedal

STEP 5

Push the **START** button (3sec.). The Parking lights will flash once and then remain on.

STEP 6

Remove the key from the ignition barrel. The vehicle will remain running with the Remote-Starter.

STEP 7

Exit the vehicle and close all of the doors.The Remote-Starter will stop running once all the doors are closed.

WILL DISABLE MANUAL TRANSMISSION SEQUENCE

STANDARD
- Open any door(s)
- Open the hood
- Disengage the parking brake

Note : If the Parking lights flash 3 times when Remote-Starting, Ready Mode is not enabled.

DISARM / ENTER / EXIT VALET MODE

			STEP 1	STEP 2			
to disarm the system		System armed : DEL flash		OR		Within 10 seconds press and release the Valet switch or the antenna button **3 TIMES**.	System dis-armed : LED is OFF
				3x	3x		
to enter and exit valet mode		System disarmed : LED is OFF	Insert the key and turn it to the ignition (ON/RUN) position.				System disarmed and in valet mode : LED is ON.

REMOTE START DIAGNOSTICS

Parking Lights flashes (before starting) :	
3x	Ready mode disabled
4x	Valet mode activated (The LED is on)
5x	Hood open

Parking Lights flashes (after Shutdown) :	
1x	Normal stop (Brake, Park Brake)
3x	Runtime expired or shut down by transmitter
4x	No tachometer signal
5x	Hood open
6x	Over crank threshold (8 seconds)

ALARM DIAGNOSTICS

Parking Lights flashes (after disarm) :	
3x	Door open – zone 3
4x	Shock sensor – zone 4
5x	Hood open – zone 5
6x	Trunk open – zone 6

WARNING

NOTICE The manufacturer will accept no responsibility for any electrical damage resulting from improper installation of the product, including either damage to the vehicle itself or to the remote-starter module. This module must be installed by a certified technician including all of the supplied safety devices. Please note that this guide has been written for trained professional technicians, a certain level of skills and knowledge is therefore assumed. Please review the Installation Guide carefully before beginning any work.

WARNING By default this system is setup for vehicles with a manual transmission. For vehicles with an automatic transmission the safety wire loop on the main unit must be cut. Before proceeding to the installation, make sure that the vehicle does not attempt to start when the when the vehicle is in the “drive” or “reverse” position. If an automatic transmission vehicle starts when the transmission is in gear, ensure that the safety wire loop on the unit is not cut. Once the safety wire loop is cut, the system is considered an automatic transmission remote-starter indefinitely. Once a loop is cut all warranties, guaranties, and liability is immediately void if the unit is install on a manual transmission vehicle.Neither the manufacturer or distributor of this module is responsible of damages of any kind indirectly or directly caused by this module, except for the replacement of this module in case of manufacturing defects. This module must be install by qualified technician. This instruction guide may change without notice. To download the installation guide, user guide, or the latest quick installation guide, visit: **WWW.FORTIN.CA**

Technical support: TEL: 514-255-4357 / 1-877-336-7797

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