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FORTIN
FORTIN SUB1-WRX Immobilizer Bypass Module
EVO KEY
MANUALS.PLUS

FORTIN SUB1-WRX Immobilizer Bypass Module Owner's Manual

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FORTIN SUB1-WRX Immobilizer Bypass Module

EVO
KEY
ALL-IN-ONE
VEHICLE CONTROL
MODULE
FORTIN

Product Information

Specifications:

- Vehicle Compatibility: Subaru WRX, WRX-STi 2015-2021, 2015-2018
- Bypass Firmware Version: 84.[11]
- Parts Required for Installation:
  - For Automatic Transmission: 1x THAR-ONE-SUB1, 1x fuse, 1x 1Amp Diodes, 1x 6Amp Diode
  - For Manual Transmission: 1x THAR-ONE-SUB1, 1x fuse, 2x 1Amp Diodes, 1x 6Amp Diode

Product Usage Instructions

Installation Steps:

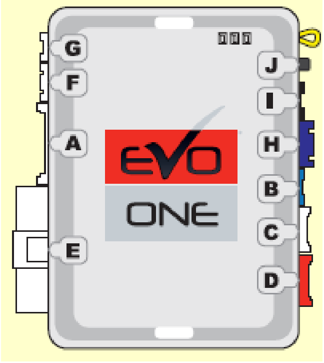
1. Ensure mandatory components are installed such as the hood pin switch.
2. Connect the immobilizer bypass T-Harness according to the suggested wiring configuration provided.
3. Program the bypass option using the FLASH LINK UPDATER or FLASH LINK MOBILE tool.

Wiring Configuration:
Follow the color-coded wiring instructions to connect various functions such as lock, unlock, horn, trunk status, etc., to the corresponding vehicle components.

Function Settings:
Set function A11 to OFF if the vehicle can be remote started with the hood open.

Security Measures:
It is crucial to have this module installed by a qualified technician to prevent any damage to the vehicle due to incorrect connections.

		Vehicle functions supported in this diagram (functional if equipped)																
VEHICLE	YEARS	Immobilizer bypass	T-Harness	Lock	Unlock	Arm	Disarm	Horn	Trunk (open)	Parking Lights	Power lift gate	Tachometer	Door Status	Trunk Status	Hand-Brake Status	Foot-Brake Status	OEM Remote monitoring	R.S. OEM remote Stand Alone compatible
SUBARU																		
WRX	2015-2021	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•
WRX - STi	2015-2018	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



BYPASS FIRMWARE VERSION
To add the firmware version and the options, use the FLASH LINK UPDATER or FLASH LINK MOBILE tool, sold separately.

84.[11]

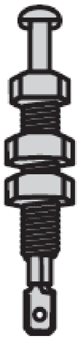
MINIMUM

		UNIT OPTION		DESCRIPTION
	Program bypass option:	**C1**		OEM Remote status (Lock/Unlock) monitoring
	Program bypass option **(If equiped with OEM alarm):**	**D2**		Unlock before / Lock after (Disarm OEM alarm)
IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:		**A11**	**OFF** **NON**	Hood trigger (Output Status).

		FUNCTION	MODE	DESCRIPTION
	Program remote starter option for R.S. OEM REMOTE STAND ALONE:	**38**	**2**	Enable : Press 3x Lock to remote start with the OEM remote.

		Parts required (Not included)		PAGE
WIRE TO WIRE DIAGRAM				
	AUTOMATIC TRANSMISSION	1x fuse 1x 1Amp Diodes 1x 6Amp Diode	1x Fusible 1x Diodes 1Amp 1x Diode 6Amp	Page 3
	MANUAL TRANSMISSION	1x fuse 2x 1Amp Diodes 1x 6Amp Diode	1x Fusible 2x Diodes 1Amp 1x Diode 6Amp	Page 4
THARNESS DIAGRAM				
THARNESS THAR-ONE-SUB1	AUTOMATIC TRANSMISSION	1x THAR-ONE-SUB1	1x THAR-ONE-SUB1	Page 5
THARNESS THAR-ONE-SUB1	MANUAL TRANSMISSION	1x THAR-ONE-SUB1	1x THAR-ONE-SUB1	Page 6

MANDATORY INSTALL

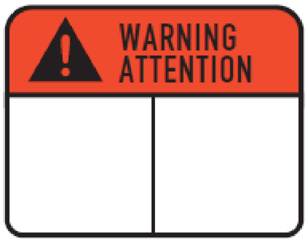


HOOD PIN

HOOD STATUS : THE HOOD PIN SWITCH (INCLUDED) MUST BE INSTALLED IF THE VEHICLE CAN BE REMOTE STARTED WITH THE HOOD OPEN, SET FUNCTION A11 TO OFF.

A11	OFF NON

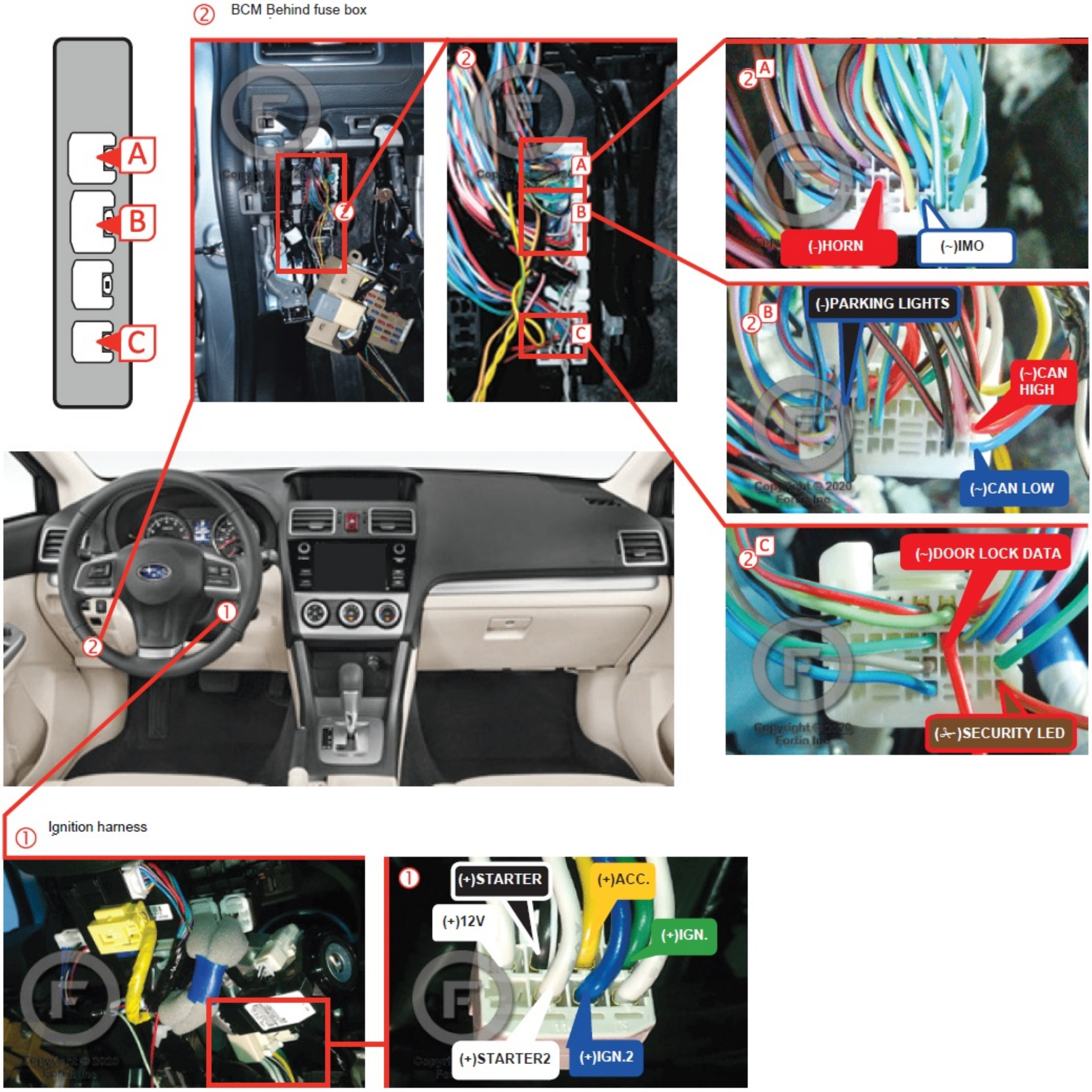
SECURITY STICKER



Included
Inclus

Notice: the installation of safety elements are mandatory. The hood pin and the sticker are essential security elements and must be installed.
THIS MODULE MUST BE INSTALLED BY A QUALIFIED TECHNICIAN. A WRONG CONNECTION CAN CAUSE PERMANENT DAMAGE TO THE VEHICLE.

DESCRIPTION


② BCM Behind fuse box
A
B
C
②
A
B
C
②A
(-)HORN
(~)IMO
②B
(-)PARKING LIGHTS
(~)CAN HIGH
(~)CAN LOW
②C
(-)DOOR LOCK DATA
(✂)SECURITY LED
②
①
① Ignition harness
①
(+)STARTER
(+)ACC.
(+)12V
(+)IGN.
(+)STARTER2
(+)IGN.2
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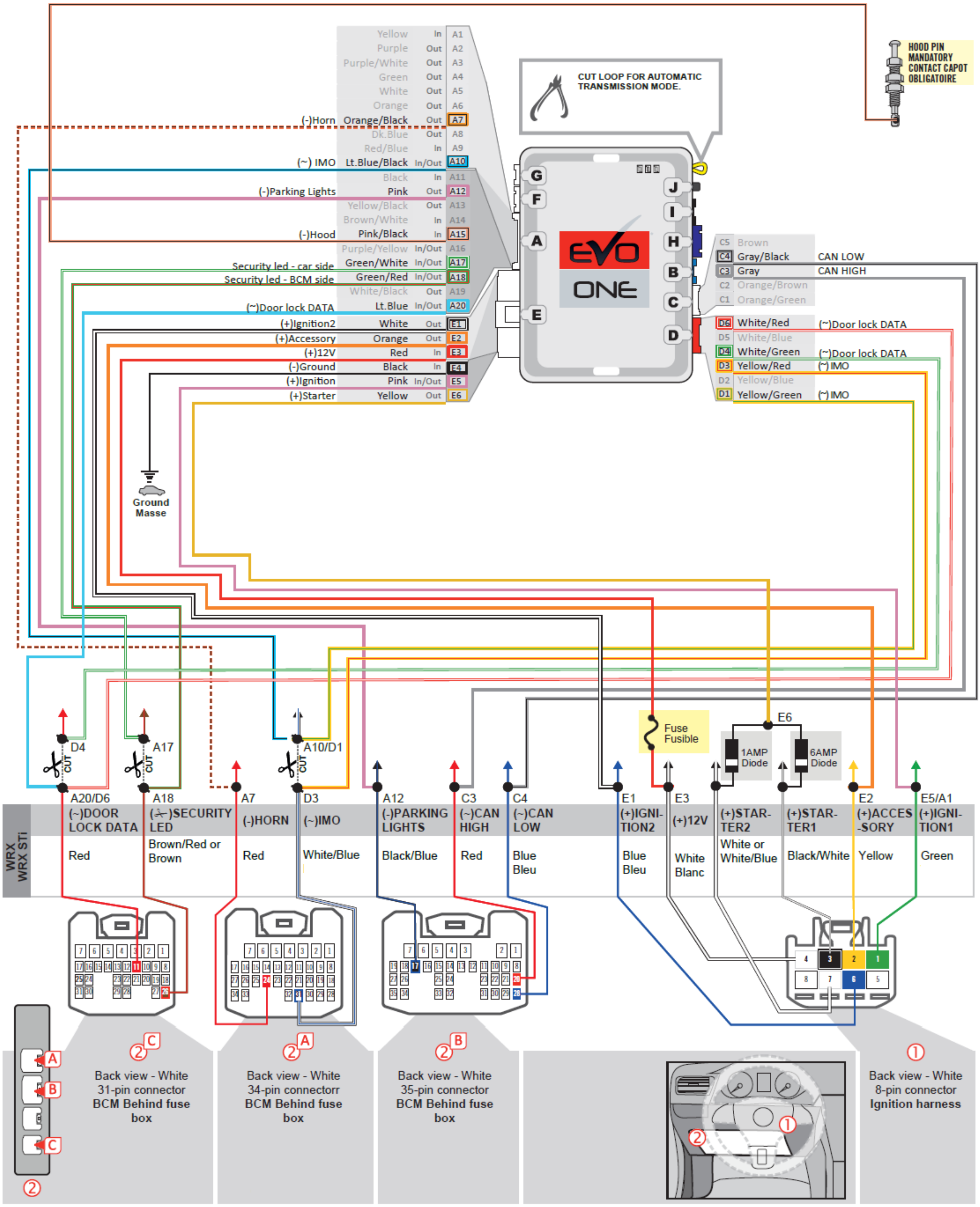
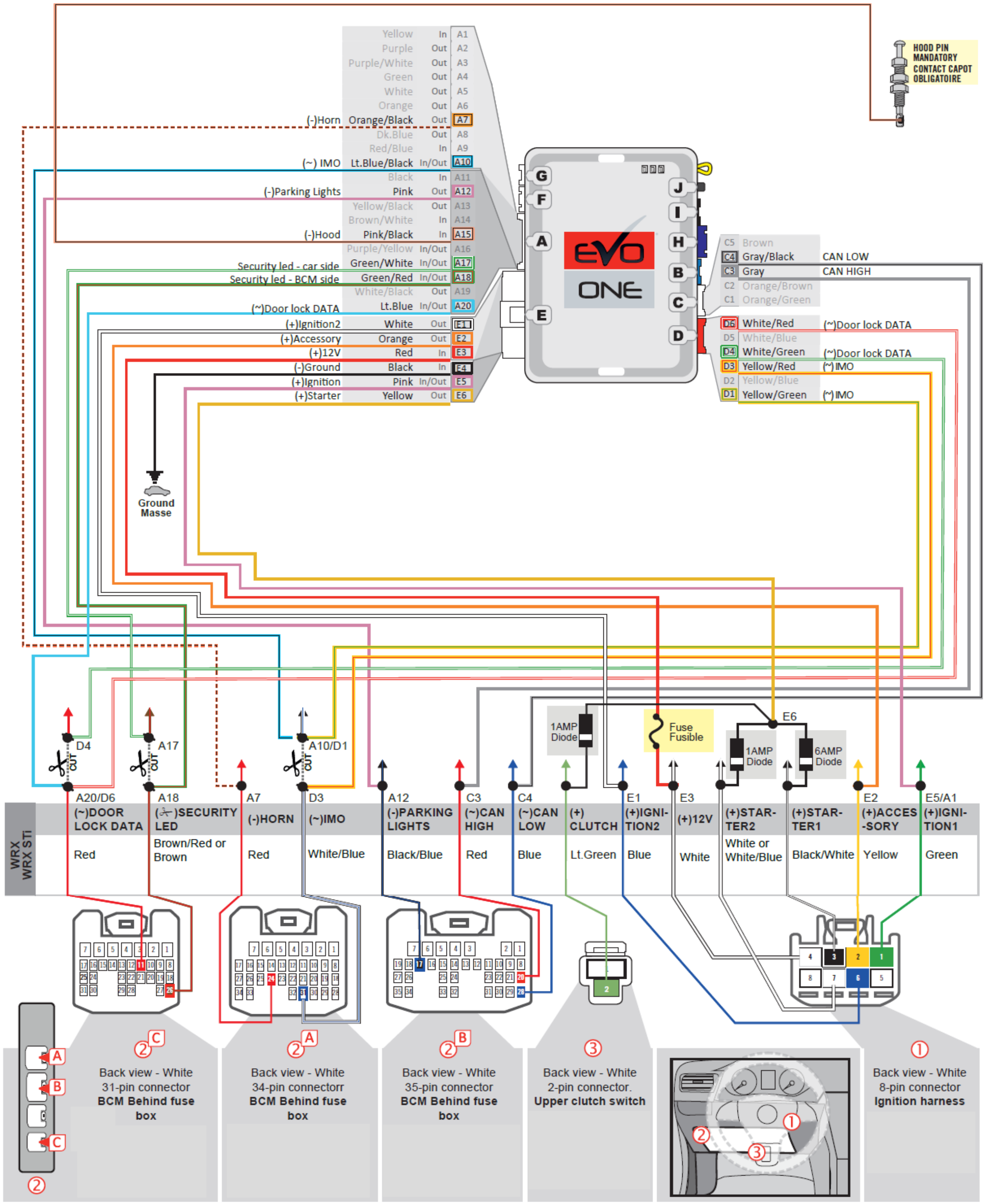
AUTOMATIC TRANSMISSION WIRING CONNECTION

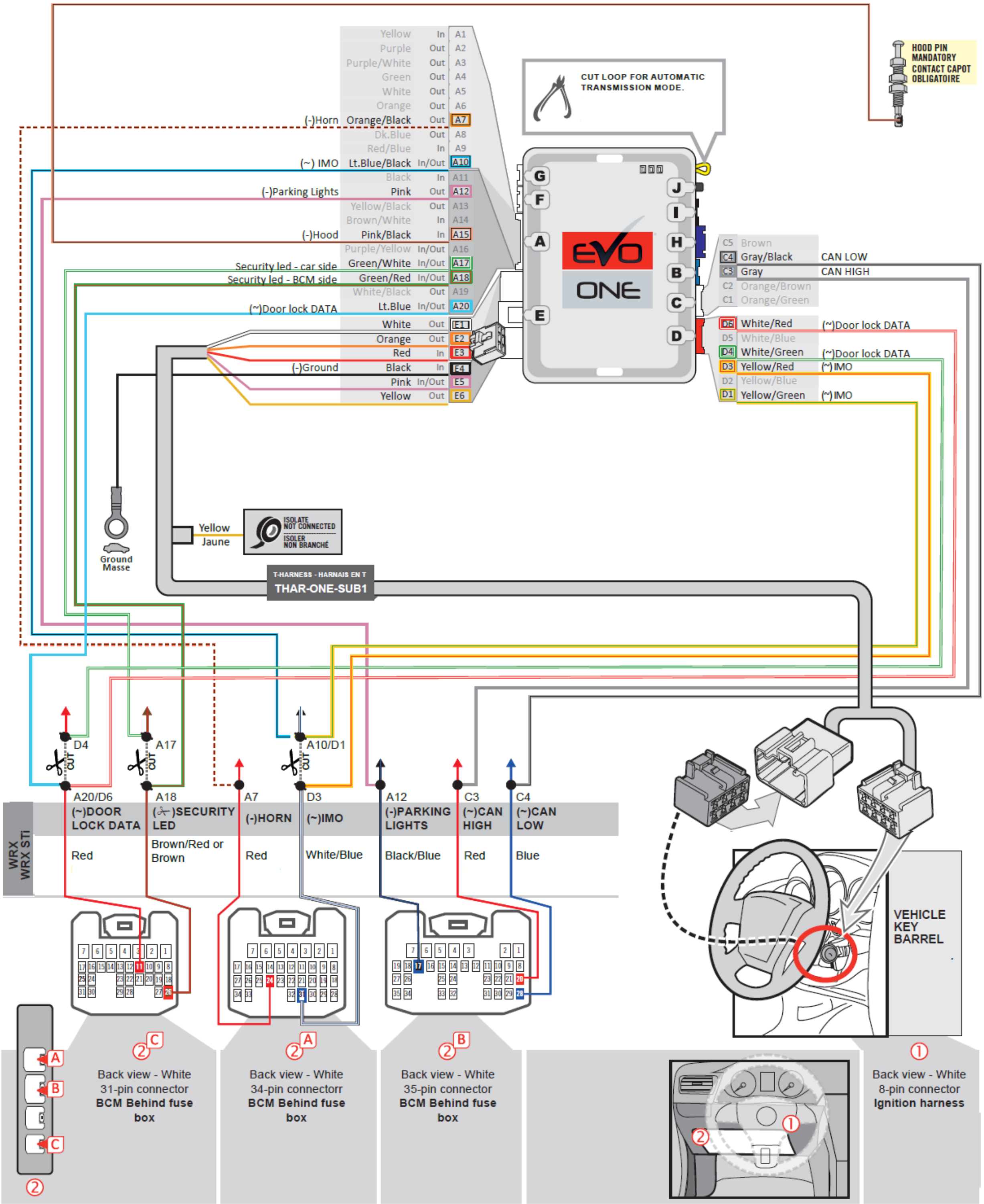

Yellow In A1
Purple Out A2
Purple/White Out A3
Green Out A4
White Out A5
Orange Out A6
(-)Horn Orange/Black Out A7
Dk.Blue Out A8
Red/Blue In A9
(~) IMO Lt.Blue/Black In/Out A10
Black In A11
(-)Parking Lights Pink Out A12
Yellow/Black Out A13
Brown/White In A14
(-)Hood Pink/Black In A15
Purple/Yellow In/Out A16
Security led - car side Green/White In/Out A17
Security led - BCM side Green/Red In/Out A18
White/Black Out A19
(~)Door lock DATA Lt.Blue In/Out A20
(+)Ignition2 White Out E1
(+)Accessory Orange Out E2
(+)12V Red In E3
(-)Ground Black In E4
(+)Ignition Pink In/Out E5
(+)Starter Yellow Out E6
CUT LOOP FOR AUTOMATIC TRANSMISSION MODE.
HOOD PIN MANDATORY
CONTACT CAPOT OBLIGATOIRE
G
F
A
E
J
I
H
B
C
D
EVO
ONE
C5 Brown
C4 Gray/Black CAN LOW
C3 Gray CAN HIGH
C2 Orange/Brown
C1 Orange/Green
D6 White/Red (~)Door lock DATA
D5 White/Blue
D4 White/Green (~)Door lock DATA
D3 Yellow/Red (~) IMO
D2 Yellow/Blue
D1 Yellow/Green (~) IMO
Ground
Masse
Fuse
Fusible
E6
1AMP Diode
6AMP Diode
D4
CUT
A17
CUT
A10/D1
CUT
A20/D6
A18
A7
D3
A12
C3
C4
E1
E3
E2
E5/A1
WRX
WRX STi
(~)DOOR LOCK DATA
Red
(⏚)SECURITY LED
Brown/Red or Brown
(-)HORN
Red
(~)IMO
White/Blue
(-)PARKING LIGHTS
Black/Blue
(~)CAN HIGH
Red
(~)CAN LOW
Blue
Bleu
(+)IGNITION2
Blue
Bleu
(+)12V
White
Blanc
(+)STARTER2
White or White/Blue
(+)STARTER1
Black/White
(+)ACCESSORY
Yellow
(+)IGNITION1
Green
② C
Back view - White 31-pin connector
BCM Behind fuse box
② A
Back view - White 34-pin connectorr
BCM Behind fuse box
② B
Back view - White 35-pin connector
BCM Behind fuse box
①
Back view - White 8-pin connector
Ignition harness
A
B
C
②
①
②

MANUAL TRANSMISSION WIRING CONNECTION


HOOD PIN MANDATORY
CONTACT CAPOT OBLIGATOIRE
Yellow In A1
Purple Out A2
Purple/White Out A3
Green Out A4
White Out A5
Orange Out A6
(-)Horn Orange/Black Out A7
Dk.Blue Out A8
Red/Blue In A9
(~) IMO Lt.Blue/Black In/Out A10
Black In A11
(-)Parking Lights Pink Out A12
Yellow/Black Out A13
Brown/White In A14
(-)Hood Pink/Black In A15
Purple/Yellow In/Out A16
Security led - car side Green/White In/Out A17
Security led - BCM side Green/Red In/Out A18
White/Black Out A19
(~)Door lock DATA Lt.Blue In/Out A20
(+)Ignition2 White Out E1
(+)Accessory Orange Out E2
(+)12V Red In E3
(-)Ground Black In E4
(+)Ignition Pink In/Out E5
(+)Starter Yellow Out E6
G F A E J I H B C D
EVO ONE
C5 Brown
C4 Gray/Black CAN LOW
C3 Gray CAN HIGH
C2 Orange/Brown
C1 Orange/Green
D6 White/Red (~)Door lock DATA
D5 White/Blue
D4 White/Green (~)Door lock DATA
D3 Yellow/Red (~) IMO
D2 Yellow/Blue
D1 Yellow/Green (~) IMO
Ground Masse
D4 CUT
A17 CUT
A10/D1 CUT
1AMP Diode
Fuse Fusible
E6
1AMP Diode
6AMP Diode
WRX
WRX STI
A20/D6 (~)DOOR LOCK DATA Red
A18 (⏚)SECURITY LED Brown/Red or Brown
A7 (-)HORN Red
D3 (~)IMO White/Blue
A12 (-)PARKING LIGHTS Black/Blue
C3 (~)CAN HIGH Red
C4 (~)CAN LOW Blue
(+) CLUTCH Lt.Green
E1 (+)IGNITION2 Blue
E3 (+)12V White
(+)STARTER2 White or White/Blue
(+)STARTER1 Black/White
E2 (+)ACCESSORY Yellow
E5/A1 (+)IGNITION1 Green
A
B
C
②
②C Back view - White 31-pin connector BCM Behind fuse box
②A Back view - White 34-pin connectorr BCM Behind fuse box
②B Back view - White 35-pin connector BCM Behind fuse box
③ Back view - White 2-pin connector. Upper clutch switch
① ② ③
① Back view - White 8-pin connector Ignition harness

THAR-ONE-SUB1

AUTOMATIC TRANSMISSION CONNECTION


HOOD PIN MANDATORY
CONTACT CAPOT OBLIGATOIRE
CUT LOOP FOR AUTOMATIC TRANSMISSION MODE.
Yellow In A1
Purple Out A2
Purple/White Out A3
Green Out A4
White Out A5
Orange Out A6
(-)Horn Orange/Black Out A7
Dk.Blue Out A8
Red/Blue In A9
(~) IMO Lt.Blue/Black In/Out A10
Black In A11
(-)Parking Lights Pink Out A12
Yellow/Black Out A13
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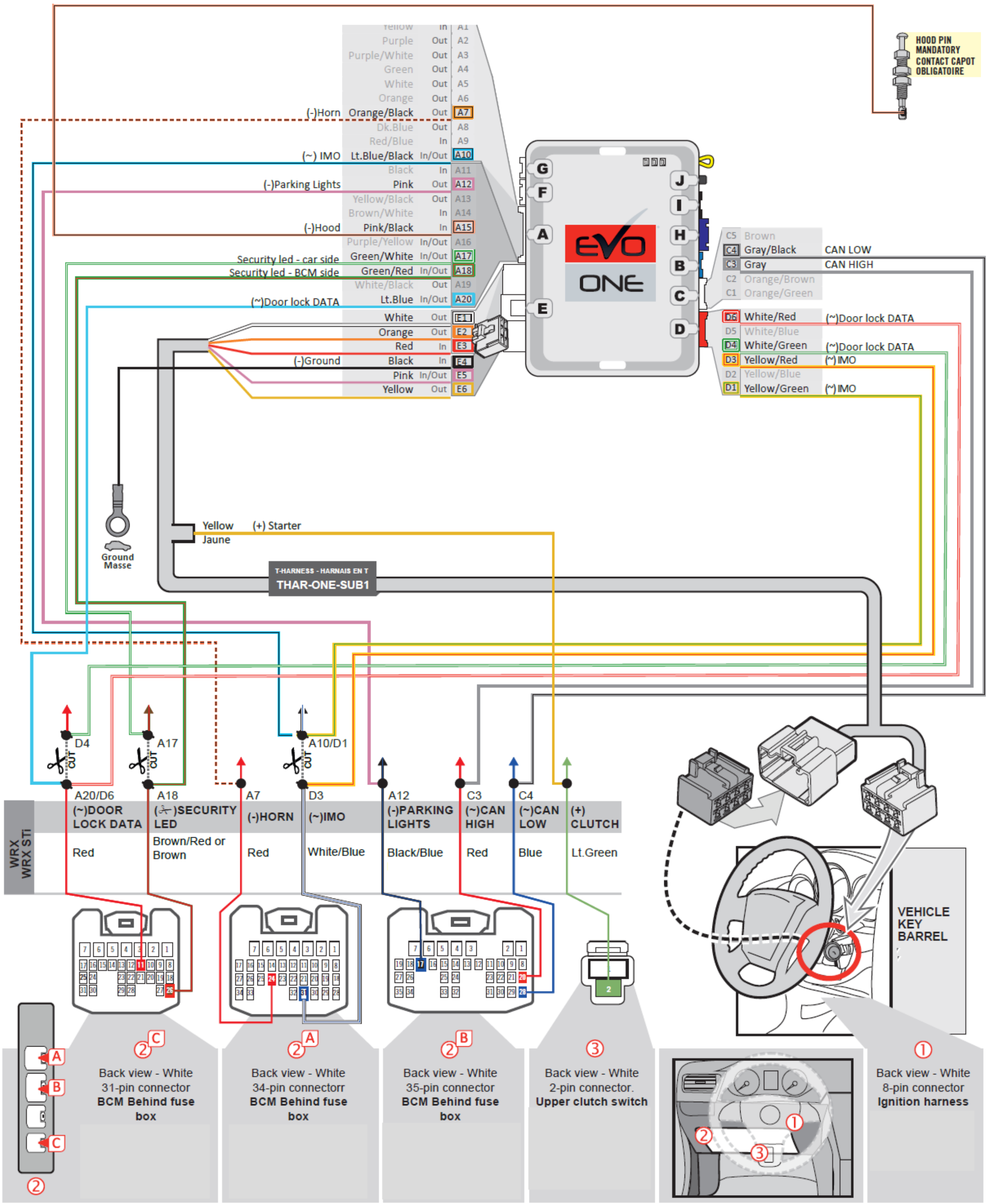
Security led - car side Green/White In/Out A17
Security led - BCM side Green/Red In/Out A18
White/Black Out A19
(~)Door lock DATA Lt.Blue In/Out A20
White Out E1
Orange Out E2
Red In E3
(-)Ground Black In E4
Pink In/Out E5
Yellow Out E6
G F A E J I H B C D
EVO ONE
C5 Brown
C4 Gray/Black CAN LOW
C3 Gray CAN HIGH
C2 Orange/Brown
C1 Orange/Green
D6 White/Red (~)Door lock DATA
D5 White/Blue
D4 White/Green (~)Door lock DATA
D3 Yellow/Red (~) IMO
D2 Yellow/Blue
D1 Yellow/Green (~) IMO
Ground Masse
Yellow Jaune
ISOLATE NOT CONNECTED
ISOLER NON BRANCHÉ
T-HARNESS - HARNAIS EN T
THAR-ONE-SUB1
D4 CUT
A17 CUT
A10/D1 CUT
A20/D6 (~)DOOR LOCK DATA Red
A18 (-)SECURITY LED Brown/Red or Brown
A7 (-)HORN Red
D3 (~)IMO White/Blue
A12 (-)PARKING LIGHTS Black/Blue
C3 (~)CAN HIGH Red
C4 (~)CAN LOW Blue
WRX WRX STI
VEHICLE KEY BARREL
② C Back view - White 31-pin connector BCM Behind fuse box
② A Back view - White 34-pin connectorr BCM Behind fuse box
② B Back view - White 35-pin connector BCM Behind fuse box
① Back view - White 8-pin connector Ignition harness
A B C ②
① ②

THAR-ONE-SUB1

MANUAL TRANSMISSION CONNECTION


Yellow In A1
Purple Out A2
Purple/White Out A3
Green Out A4
White Out A5
Orange Out A6
(-)Horn Orange/Black Out A7
Dk.Blue Out A8
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Security led - BCM side Green/Red In/Out A18
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(~)Door lock DATA Lt.Blue In/Out A20
White Out E1
Orange Out E2
Red In E3
(-)Ground Black In E4
Pink In/Out E5
Yellow Out E6
HOOD PIN MANDATORY
CONTACT CAPOT OBLIGATOIRE
G F A E J I H B C D
EVO ONE
C5 Brown
C4 Gray/Black CAN LOW
C3 Gray CAN HIGH
C2 Orange/Brown
C1 Orange/Green
D6 White/Red (~)Door lock DATA
D5 White/Blue
D4 White/Green (~)Door lock DATA
D3 Yellow/Red (~) IMO
D2 Yellow/Blue
D1 Yellow/Green (~) IMO
Ground Masse
Yellow Jaune (+) Starter
T-HARNESS - HARNAIS EN T
THAR-ONE-SUB1
D4 CUT
A17 CUT
A10/D1 CUT
WRX WRX STI
A20/D6 (~)DOOR LOCK DATA Red
A18 (⚹)SECURITY LED Brown/Red or Brown
A7 (-)HORN Red
D3 (~)IMO White/Blue
A12 (-)PARKING LIGHTS Black/Blue
C3 (~)CAN HIGH Red
C4 (~)CAN LOW Blue
(+) CLUTCH Lt.Green
② C Back view - White 31-pin connector BCM Behind fuse box
② A Back view - White 34-pin connectorr BCM Behind fuse box
② B Back view - White 35-pin connector BCM Behind fuse box
③ Back view - White 2-pin connector. Upper clutch switch
① Back view - White 8-pin connector Ignition harness
VEHICLE KEY BARREL
A B C ②
① ② ③

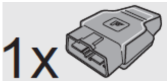
PROGRAMMING PROCEDURE

Parts required (not included)

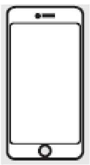
1x FLASH LINK UPDATER

1x FLASH LINK MANAGER SOFTWARE | PROGRAMME

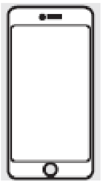
1x Microsoft Windows Computer with Internet connection



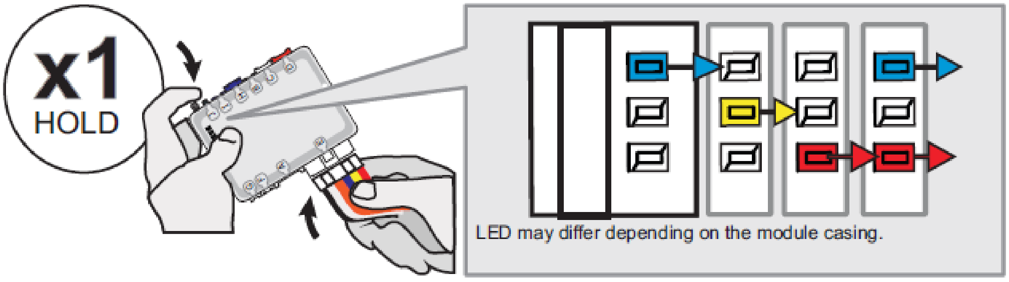
FLASH LINK MOBILE

1x  FLASH LINK MOBILE APP

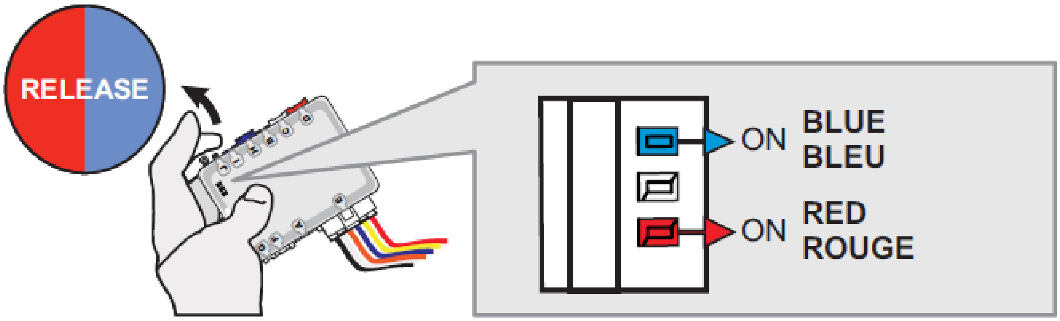
Smartphone Android or iOS with Internet connection
(Internet provider charges may apply)

1x 

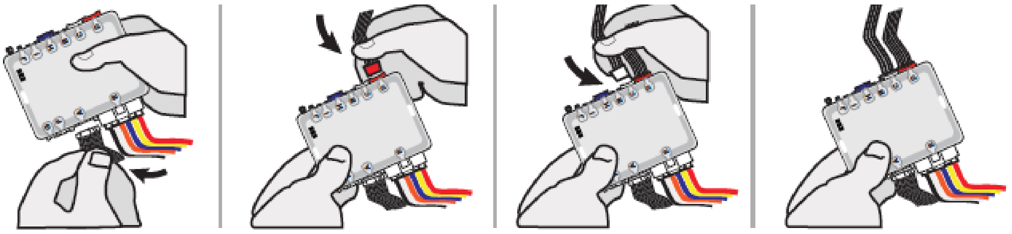
BEFORE PROGRAMMING SET THE UNIT OPTIONS AND SAVE.


x1
HOLD
LED may differ depending on the module casing.

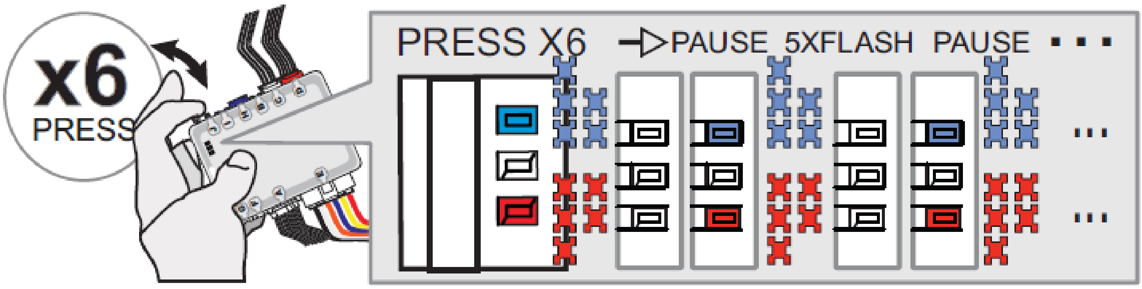
2


RELEASE
ON
BLUE
BLEU
ON
RED
ROUGE

1. Press and hold the programming button: Connect the 6-PIN Main harness (White connector).
   The Blue, Red, Yellow and Blue & Red LEDs will alternatively illuminate.
2. Release the programming button when the LED’s are BLUE & RED.
   If the LED’s are not solid BLUE and RED disconnect the 6-Pin connector (Main-Harness) and go back to step 1.

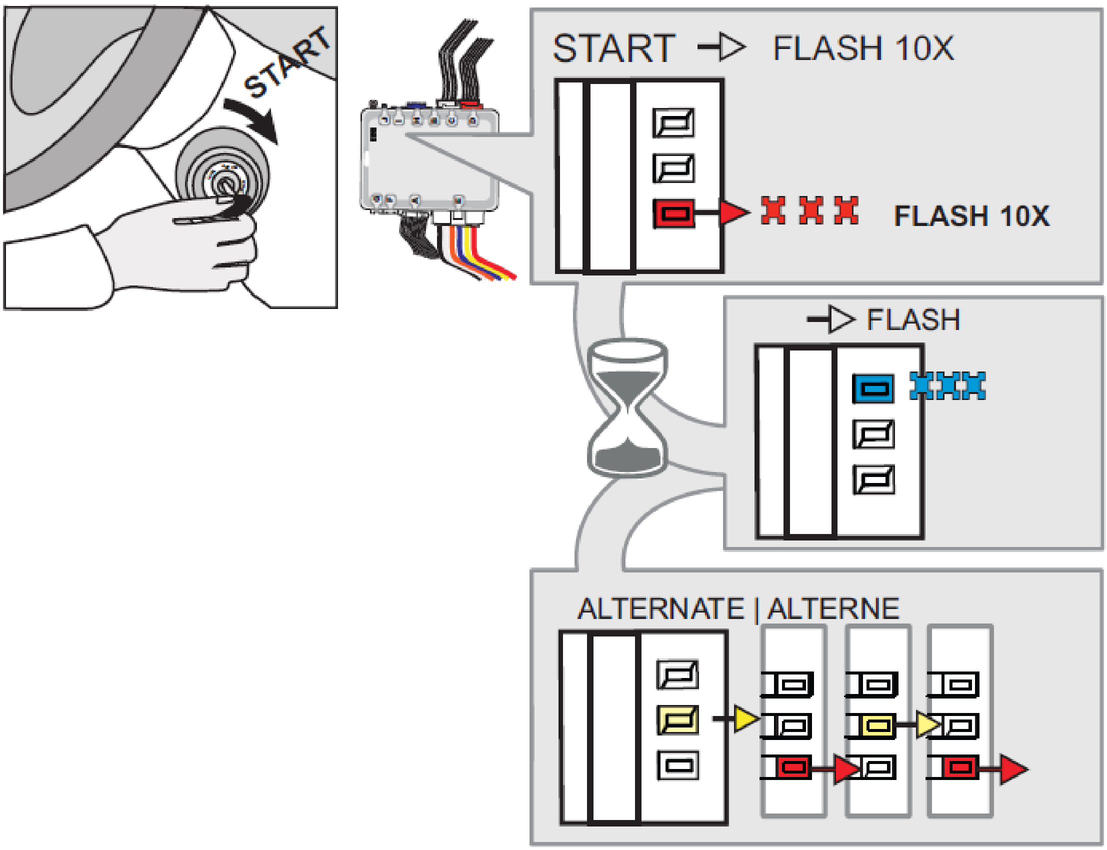


4


x6
PRESS
PRESS X6
PAUSE
5XFLASH
PAUSE

3. Insert the required remaining connectors.
4. Press and release the programming button six time (6x).

   The RED and BLUE LED will flash 5 times each second.


START
START
FLASH 10X
FLASH 10X
FLASH
ALTERNATE | ALTERNE

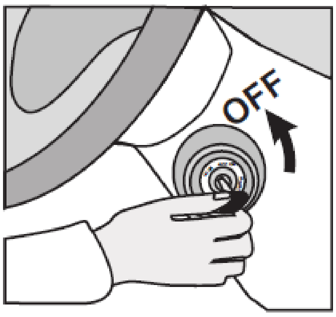
5. Start the engine.

   The RED LED will flash rapidly 10x times.

   Key bypass programmed.

   Wait for the BLUE LED will flash rapidly.

   Wait for the YELLOW and RED LED will alternate.

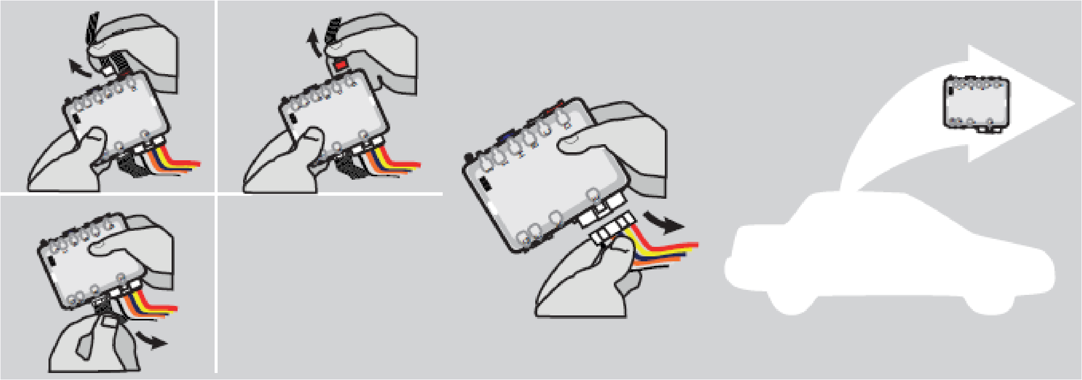


6. Stop the engine:

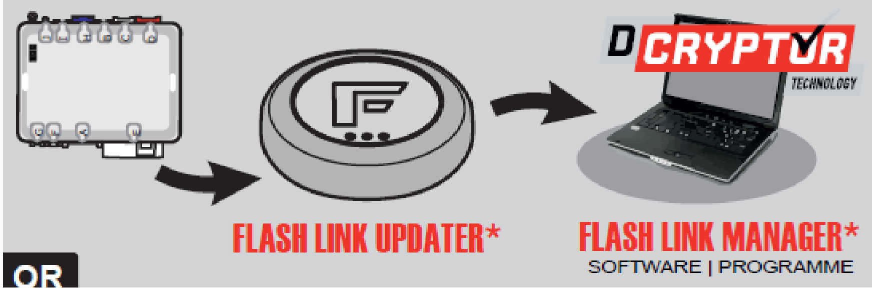
   Turn the key to the OFF position.

   KEY BYPASS PROGRAMMING

7.



   Disconnect all connectors and after the 6-Pin (Main-Harness) or the 4-Pin Data-link connector.

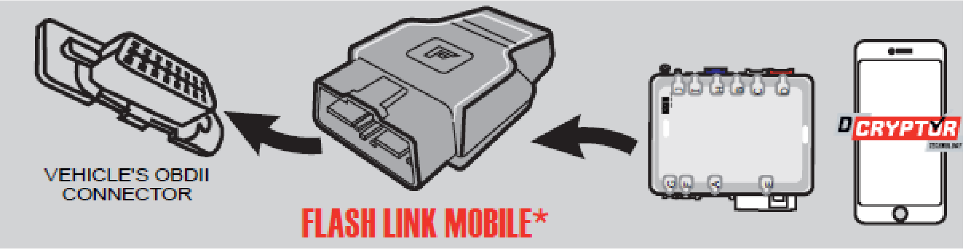

DCRYPTOR
TECHNOLOGY
FLASH LINK UPDATER*
FLASH LINK MANAGER*
SOFTWARE | PROGRAMME
OR

   Microsoft Windows Computer with Internet connection*

8. Use the tool:

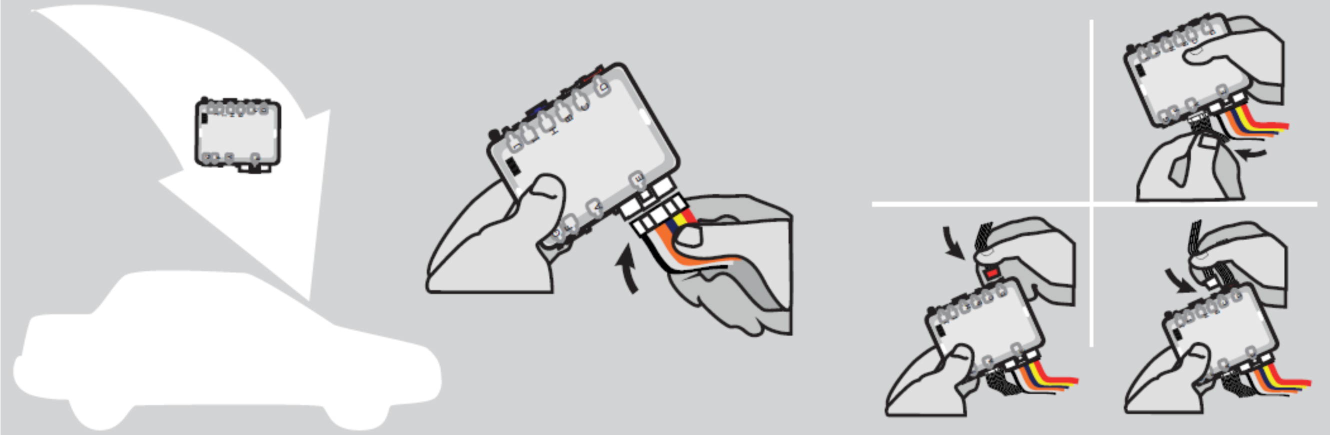
   FLASH LINK UPDATER or FLASH LINK MOBILE to visit the DCryptor menu.

   *Parts required (not included)


VEHICLE'S OBDII CONNECTOR
FLASH LINK MOBILE*
DCRYPTOR

   Smartphone*

   (Internet provider charges may apply)



9. AFTER DCRYPTOR PROGRAMMING COMPLETED Go back to the vehicle and reconnect the 6-Pin (Main-Harness) or the 4-pins (Data-Link) connector and after all the remaining connector.

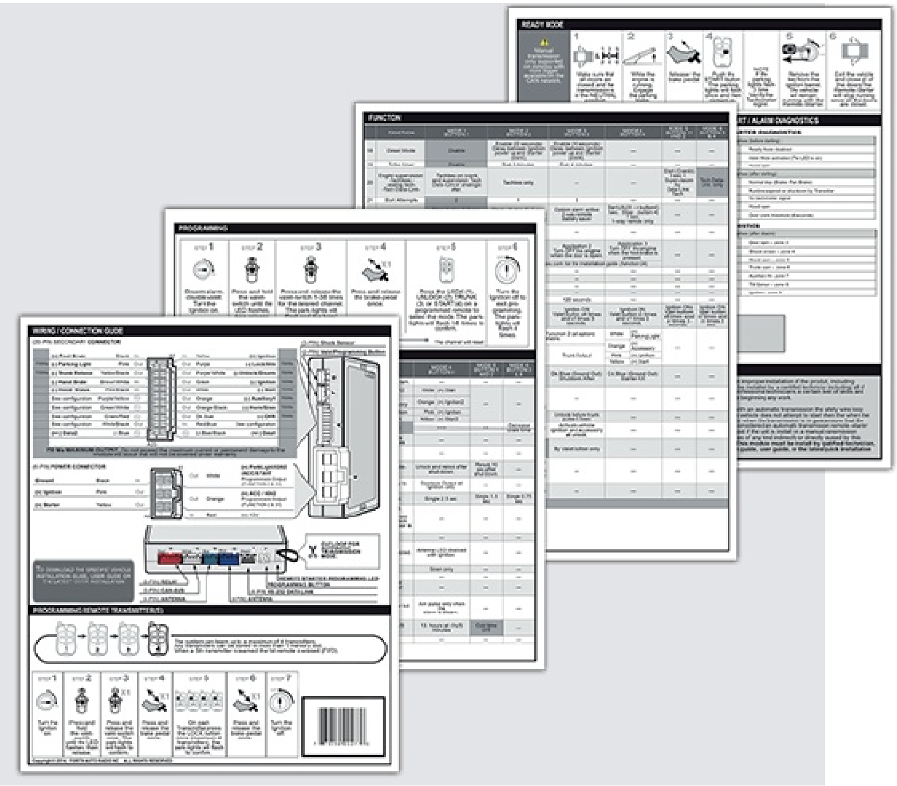
The module is now programmed.

REMOTE STARTER

Test the remote starter. Remote start the vehicle.

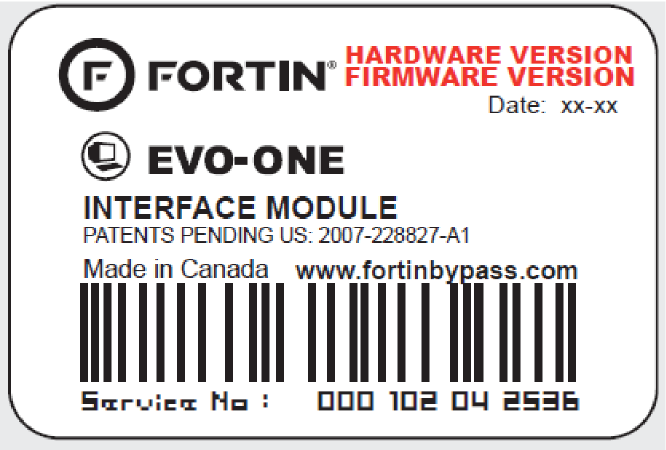
REMOTE STARTER PROGRAMMING PROCEDURE

REFER TO THE QUICK INSTALL GUIDE INCLUDED WITH THE MODULE FOR THE REMOTE STARTER PROGRAMMING.



VEHICLE EQUIPPED WITH OEM ALARM

Some vehicles must be UNLOCKED to disarm the OEM alarm before remote start. Enable option D2 using the FlashLink Manager. When this option is enabled the module will automatically UNLOCK before remote start and LOCK after the vehicle has remote started.


FORTIN
HARDWARE VERSION
FIRMWARE VERSION
Date: xx-xx
EVO-ONE
INTERFACE MODULE
PATENTS PENDING US: 2007-228827-A1
Made in Canada www.fortinbypass.com
Service No : 000 102 04 2536

Module label

Notice: Updated Firmware and Installation Guides Updated firmware and installation guides are posted on our web site on a regular basis. We recommend that you update this module to the latest firmware and download the latest installation guide(s) prior to the installation of this product.

WARNING
The information on this sheet is provided on an (as is) basis with no representation or warranty of accuracy whatsoever. It is the sole responsibility of the installer to check and verify any circuit before connecting to it. Only a computer safe logic probe or digital multimeter should be used. FORTIN ELECTRONIC SYSTEMS assumes absolutely no liability or responsibility whatsoever pertaining to the accuracy or currency of the information supplied. The installation in every case is the sole responsibility of the installer performing the work and FORTIN ELECTRONIC SYSTEMS assumes no liability or responsibility whatsoever resulting from any type of installation, whether performed properly, improperly or any other way. 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 installed by qualified technician. The information supplied is a guide only. This instruction guide may change without notice. Visit www.fortinbypass.com to get the latest version.
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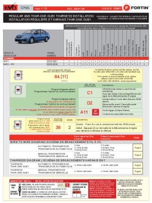
TECH SUPPORT

Tél: 514-255-HELP (4357)
1-877-336-7797
www.fortinbypass.com

FAQ

- **Q: What should I do if I need to update the firmware version?**
  A: Use the FLASH LINK UPDATER or FLASH LINK MOBILE tool, sold separately, to add the new firmware version and options.
- **Q: Are the parts required for installation included in the package?**
  A: No, the parts required for installation such as fuses and diodes are not included and need to be purchased separately.

Documents / Resources

	**FORTIN SUB1-WRX Immobilizer Bypass Module** [pdf] Owner's Manual SUB1-WRX, SUB1-STi, 2015-2021, SUB1-WRX Immobilizer Bypass Module, SUB1-WRX, Immobilizer Bypass Module, Bypass Module, Module

References

- **Home | Marcelino d.o.o.**
- **User Manual**

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