Manuals+ — User Manuals Simplified.

FORTIN 2004 Ford Thunderbird Regular Key Remote Starters and Alarm Systems Installation Guide

Contents

FORTIN

FORTIN 2004 Ford Thunderbird Regular Key Remote Starters and Alarm Systems

Product Information

- Product Name: Thunderbird
- Model Year: 2002-2005
- Bypass Firmware Version: 71.[52]
- Minimum Firmware Version Requirement: To add the firmware version and options, use the FLASH LINK UPDATER or FLASH LINK MOBILE tool (sold separately).
- Program Bypass Option: If the vehicle is not equipped with a functional hood pin, set the UNIT OPTION to A11 (OFF).
- Program Remote Starter Option: Set the FUNCTION to 2.
- Parts Required (Not included): 1x Relay and 1x 1780K Ohm resistor.
- Mandatory Installation: The hood pin switch (included) must be installed if the vehicle can be remote started with the hood open. Set FUNCTION A11 to OFF.
- Security Sticker: Included. This module must be installed by a qualified technician. A wrong connection can cause permanent damage to the vehicle.

Product Usage Instructions

1. Wiring Connections:
   - Yellow: Connect to AA11 (-)Lock
   - Purple: Connect to AA22 (-)Unlock
   - Purple/White: Connect to AA33
   - Green: Connect to AA44
   - White: Connect to AA55
   - Orange: Connect to AA66
   - Orange/Black: Connect to AA77
   - Dk.Blue: Connect to AA88
   - Red/Blue: Connect to AA99 In
   - Lt.Blue/Black: Connect to AA1100 RX In/Out
   - Black: Connect to AA1111 (+)Foot Brake
   - Pink: Connect to AA1122 Out
   - Yellow/Black: Connect to AA1133 (-)Trunk Release
   - Brown/White: Connect to AA1144 In
   - Pink/Black: Connect to AA1155 (-)Hood
   - Purple/Yellow: Connect to AA1166 In/Out
   - Green/White: Connect to AA1177 In/Out
   - Green/Red: Connect to AA1188 In/Out
   - White/Black: Connect to AA1199 Out
   - Lt.Blue: Connect to AA2200 In/Out
   - White Out: Connect to EE11
   - Orange Out: Connect to EE22
   - Red In: Connect to EE33
   - Black In: Connect to EE44
   - Pink In/Out: Connect to EE55

- Yellow Out: Connect to EE66
2. Cut Loop for Automatic Transmission Mode.
3. Hood Pin Mandatory. Connect the following:
    - C5: Brown
    - C4: Gray/Black
    - C3: Gray
    - C2: Orange/Brown
    - C1: Orange/Green
4. Connect the following PATS Ignition:
    - D6: White/Red
    - D5: White/Blue
    - D4: White/Green
    - D3: Yellow/Red
    - D2: Yellow/Blue
    - D1: Yellow/Green
5. Connect the following Ground:
    - E5: D5 Fuse
    - E6: A4 1780K Ohm resistor
6. Connect the following Trunk Release Lock:
    - A3: White/ Purple
7. Connect the following Unlock Disarm:
    - A6: White/ Black
8. Connect the following Brake:
    - A11: (+)
9. Connect the following (MUX) Parking Lights:
    - A12: White/ Green
10. Connect the following RX:
    - A10: Grey/ Red
11. Connect the following TX:
    - A20: White/ Red
12. Connect the following (+) Ignition and Starter:
    - D6: Orange/ Blue
13. Connect the following 12V:
    - E3: Red
14. Connect the following (+) Accessory1:
    - E2: Pink/ White
15. Connect the following (+) Accessory2:
    - E1: Yellow

REGULAR INSTALLATION

Vehicle functions supported in this diagram (functional if equipped)

VEHICLE	YEARS	2KEY Programming	1KEY Programming	Immobilizer bypass	Lock	Unlock	Disarm	Parking Light	Hood Status*	Foot-Brake Status
FORD										
Thunderbird	2002-2005	1	2	•	•	•	•	•	•	•

BYPASS FIRMWARE VERSION
VERSION LOGICIELLE CONTOURNEMENT

71.[52]

MINIMUM

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

Program bypass option IF THE VEHICLE IS NOT EQUIPPED WITH FUNCTIONAL HOOD PIN:	UNIT OPTION OPTION UNITE	DESCRIPTION
A11	**OFF NON**	Hood trigger (Output Status).
		Contact de capot (état de sortie).

Program remote starter option:	FUNCTION FONCTION	MODE	DESCRIPTION
	2	2	(+) Accessory 2 (E1)
			(+) Accessoire 2 (E1)
	20	2	Tachless only. (vehicles with automatic transmission only)

Parts required (Not included)

1x Relay
1x 1780K Ohm resistor

MANDATORY INSTALL

*HOOD PIN

CONTACT DE CAPOT

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

⚠ **WARNING ATTENTION**

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.

WIRING CONNECTION

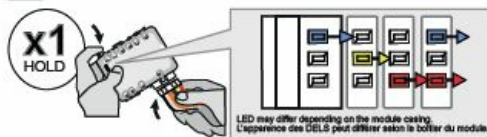| Pin	Label	Color	Direction
A1		Yellow	In
A2	(-)Lock	Purple	Out
A3	(-)Unlock	Purple/White	Out
A4		Green	Out
A5		White	Out
A6		Orange	
A7		Orange/Black	Out
A8		Dk.Blue	Out
A9		Red/Blue	In
A10	(~) RX	Lt.Blue/Black	In/Out
A11	(+)Foot Brake	Black	In
A12		Pink	Out
A13	(-)Trunk Release	Yellow/Black	Out
A14		Brown/White	In
A15	(-)Hood	Pink/Black	In
A16		Purple/Yellow	In/Out
A17		Green/White	In/Out
A18		Green/Red	In/Out
A19		White/Black	Out
A20	(~) TX	Lt.Blue	In/Out
E1	(+)Accessory2	White	Out
E2	(+)Accessory	Orange	Out
E3	(+)12V	Red	In
E4	(-)Ground	Black	In
E5	(+)Ignition	Pink	In/Out
E6	(+)Starter	Yellow	Out

HOOD PIN MANDATORY
CONTACT CAPOT OBLIGATOIRE

CUT LOOP FOR AUTOMATIC TRANSMISSION MODE.
COUPEZ LA BOUCLE POUR LE MODE TRANSMISSION AUTOMATIQUE.

EVO ONE

Pin	Color	Label
D6	White/Red	(+)PATS IGNITION
D5	White/Blue	(+)IGNITION
D4	White/Green	(+)PATS IGNITION
D3	Yellow/Red	
D2	Yellow/Blue	
D1	Yellow/Green	

Ground Masse

E5   D5

Fuse Fusible

1780 K Ohm LOCK Resistor Résistance

86 87 87a 30 85   A4

D4 CUT

	A13	A2	A3	A6	A11	A12	A10	A20	D6	E3	E2	E1	30	E5/D5	E6
	(-)TRUNK RELEASE	(-)LOCK	(-)UNLOCK	(-)DISARM	(+)BRAKE	(MUX) PARKING LIGHTS	RX	TX	(+)PATS IGNITION	(+)12V	(+)ACCES-SORY1	(+)ACCES-SORY2	(+)ACCES-SORY3	(+)IGNITION	(+)STARTER
THUNDERBIRD	White Blanc	White/Purple Mauve/Blanc	White/Black Blanc/Noir	Green to Red/White Vert à Rouge/Blanc	Orange/Blue or Orange/Yellow Orange/Bleu ou Orange/Jaune	White/Green Blanc/Vert	Grey/Red Gris/Rouge	White/Red Blanc/Rouge	Orange/Blue Orange/Bleu	Red Rouge	Pink/White Rose/Blanc	Yellow Jaune	Pink/Yellow Rose/Jaune	Green/Black Vert/Noir	Grey/Black Gris/Noir

⑥ At trunk switch
Au commutateur de la valise

⑤ 26 pin plug, pin 16, driver kick or REM behind rear driver side seat.
26 pin plug, pin 16, Au panneau latérale côté conducteur ou au REM derrière le siège conducteur.

⑧ 20 pin plug, pin 17, driver kick or REM behind rear driver side seat.
20 pin plug, pin 17, Au panneau latérale côté conducteur ou au REM derrière le siège conducteur.

⑦ 26 pin plug, pin 14, FEM In driver's kick panel.
Connecteur de 26 pin, pin 14, FEM, Au panneau latérale côté conducteur.

④ At Brake switch
Au commutateur des freins

③ Headlight switch switch
Commutateur des phares

② At ignition barrel Transponder connector Green connector (4-pins) Back view
Au barillet d'ignition connecteur du transpondeur. Connecteur Vert (4-pins) Vue de dos

① At ignition harness
Au harnais d'ignition

③ ⑥ ② ④ ① ⑤

PROGRAM.1: 2 KEY PROGRAMMING PROCEDURE 1/2

2 KEY REQUIRED
2 CLÉS REQUISES

KEY#1 KEY#2
CLÉ#1 CLÉ#2

1

X1 HOLD

LED may differ depending on the module casing.
L'apparence des DELS peut différer selon le boîtier du module.

Press and hold the programming button: Insert the 6-Pin Main connector.

↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

Appuyez et maintenir le bouton de programmation enfoncé: Insérez le connecteur Principal à 6-broches.

↳ Les DELS alterneront entre un clignotement BLEU, ROUGE, JAUNE & BLEU/ROUGE.

2

RELEASE

ON RED ROUGE

Release the programming button when the LED is RED.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

Relâchez le bouton de programmation quand la DEL est ROUGE.

Si le DEL n'est pas ROUGE solide débranchez le connecteur 6 pins (Connecteur principal) et allez à l'étape 1.

3

Insert the required remaining connectors.

Insérez les connecteurs requis restants.

4

TURN ON/RUN IGN

KEY#1
CLÉ#1

WAIT 3 SEC. IGN ON
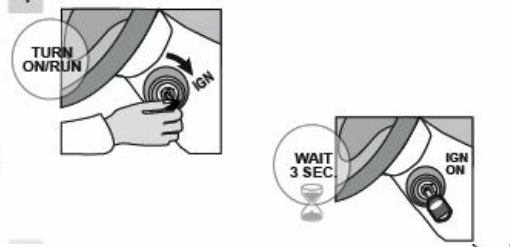
Turn the first functional key to the ON/RUN position.

Wait 3 seconds.

Tournez la première clé fonctionnelle à la position ON/RUN.

Attendre 3 secondes.

5

TURN OFF OFF

REMOVE KEY
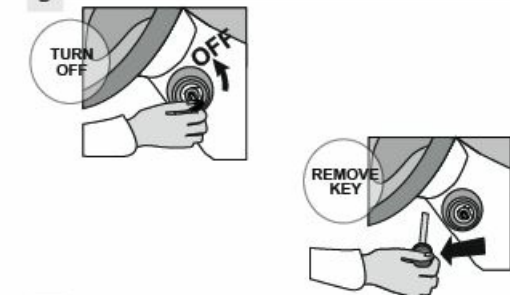
Turn the ignition to the OFF position

and remove the first key.

Tournez la clé à la position ARRÊT (OFF)

et retirez la clé du barillet.

6

TURN ON/RUN IGN

KEY#2
CLÉ#2

WAIT 3 SEC. IGN ON
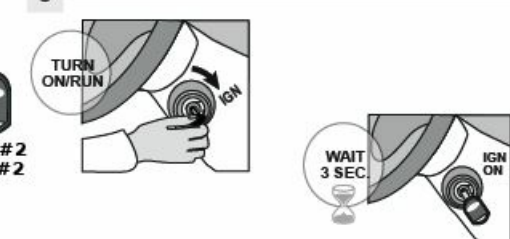
Turn the second functional key to the ON/RUN position.

Wait 3 seconds.

Tournez la deuxième clé fonctionnelle à la position ON/RUN.

Attendre 3 secondes.

PROGRAM.1: 2 KEY PROGRAMMING PROCEDURE 2/2

7
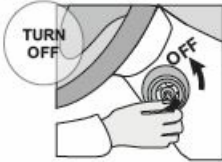
Turn the ignition to the OFF position

and **remove** the second key.

Tournez la clé à la position ARRÊT (OFF)
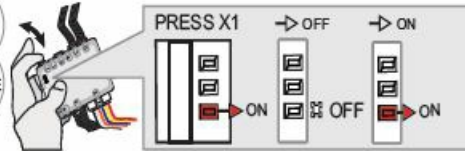
et **retirez** la clé du barillet.

8

CAUTION The following step must be completed within **5 seconds.**
Otherwise **disconnect** all connectors and go back to step 1.

ATTENTION les prochaines étapes doivent être complétées en moins de **5 secondes.**
Si non, **débranchez** tous les connecteurs et **allez** à l'étape 1.

5 sec. max

x1 PRESS RELEASE

PRESS X1 → OFF → ON

ON OFF ON

Press and hold the programming button until the LED flashes once.

↳ The RED LED will flash once (1x).

Release the programming button.

Pesez et garder appuyé le bouton de programmation jusqu'à se que le DEL clignote une fois.

↳ La DEL ROUGE clignote 1 fois.

Relâchez le bouton de programmation.

AUTOMATIC TRANSMISSION TRANSMISSION AUTOMATIQUE	MANUAL TRANSMISSION TRANSMISSION MANUELLE
Activate the remote starter.	Using a jumper wire, apply **power** (12v) to the vehicle's ignition1.
Actionnez le démarreur à distance.	À l'aide d'un fil (jumper) **appliquez 12v** sur l'ignition1 du véhicule.
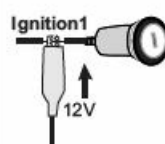
Ignition1
12V

9

→ FLASH 10X

FLASH 10X

OFF
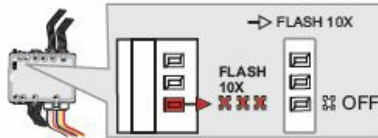
The RED LED will flash rapidly ten (10) times.

La DEL ROUGE clignotera dix (10) fois rapidement.

If the LED is solid RED disconnect the 4 Pin connector (Data-Link) and go back to step 1.

Si le DEL est ROUGE solide débranchez le connecteur 4 pins (Data-Link) et allez à l'étape 1.
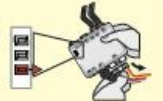
Manual transmission:
Remove the jumper.

Transmission manuelle:
Retirez le fil (jumper).

The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.

Le module est programmé.

Testez toutes les fonctions supportées sur le véhicule avec la télécommande du démarreur à distance ou du système de sécurité.

DCRYPTOR PROGRAMMING PROCEDURE

Parts required (not included)   Pièces requises (non incluses)

1x **FLASH LINK UPDATER,**
1x **FLASH LINK MANAGER**
SOFTWARE | PROGRAMME
1x Microsoft Windows Computer with Internet connection
Ordinateur Microsoft Windows avec connection Internet

OR OU

1x **FLASH LINK MOBILE**
1x **FLASH LINK MOBILE APP**
Smartphone *Android* or *iOS* with Internet connection
(Internet provider charges may apply)
1x Téléphone Intelligent *Android* ou *iOS* avec connection
Internet *(des frais du fournisseur Internet peuvent s'appliquer)*

BEFORE PROGRAMMING SET THE UNIT OPTIONS AND SAVE. | AVANT LA PROGRAMMATION CONFIGURER LES OPTIONS DE L'UNITÉ ET SAUVEGARDER.

1

Press and **hold** the programming button: Insert the 6-Pin Main connector.

Appuyez et **maintenir** le bouton de programmation enfoncé: Insérez le connecteur Principal à 6-broches.

↳ The LEDs will alternate between BLUE, RED, YELLOW & BLUE/RED flashes.

↳ Les DELs alterneront entre un clignotement BLEU, ROUGE, JAUNE & BLEU/ROUGE.

If the LED is not solid RED disconnect the 6 Pin connector (Main-Harness) and go back to step 1.

Si le DEL n'est pas ROUGE solide débranchez le connecteur 6 pins (Connecteur principal) et allez à l'étape 1.

2
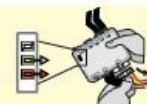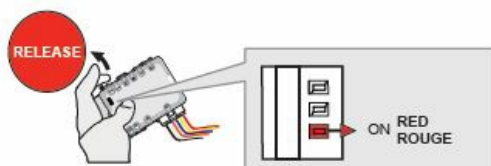
RELEASE

Release the programming button when the LED is RED.

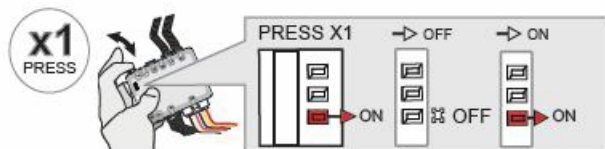**Relâchez** le bouton de programmation quand la DEL est ROUGE.

ON RED ROUGE

3

Insert the required remaining connectors.

Insérez les connecteurs requis restants.

4

x1 PRESS

PRESS X1   → OFF   → ON

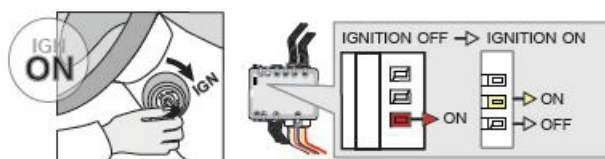ON   OFF   ON

Press and **release** the programming button once (1x).

Appuyez et **relâchez** 1 fois le bouton de programmation.

↳ *The RED LED will flash once.*

↳ *La DEL ROUGE clignote 1 fois.*

5

IGN ON

IGNITION OFF → IGNITION ON

ON   → ON   → OFF

Turn the key to the Ignition ON/RUN position.

Tournez la clé à Ignition.

↳ *The RED LED will turn OFF.*

↳ *The YELLOW LED will turn on.*

↳ *La DEL ROUGE s'éteint.*

↳ *La DEL JAUNE s'allume.*

KEY BYPASS PROGRAMMING PROCEDURE 2/3

6

Turn the key to the OFF position
Remove the key from the
ignition barrel.

⤷ The YELLOW LED will turn
OFF.

⤷ The RED LED will turn on.

Fermez la clé de contact.
Retirer la clé du barillet
d'ignition.

⤷ La DEL JAUNE s'éteint.

⤷ La DEL ROUGE s'allume.

7

Turn the key to the
Ignition ON/RUN position.

⤷ The RED LED will turn OFF.

⤷ The YELLOW LED will turn on.

Tournez la clé à Ignition.

⤷ La DEL ROUGE s'éteint.

⤷ La DEL JAUNE s'allume.

8

Turn the key to the OFF position
Remove the key from the
ignition barrel.

⤷ The YELLOW LED will turn
OFF.

⤷ The RED LED will turn on.

Fermez la clé de contact.
Retirer la clé du barillet
d'ignition.

⤷ La DEL JAUNE s'éteint.

⤷ La DEL ROUGE s'allume.

9

Turn the key to the
Ignition ON/RUN position.

⤷ The YELLOW LED will turn
on and off.

⤷ The RED LED will turn OFF.

⤷ **WAIT**, the BLUE LED to flash
rapidly.

Tournez la clé à Ignition.

⤷ La DEL JAUNE s'allume et
s'éteint.

⤷ La DEL ROUGE s'éteint.

⤷ **ATTENDRE** que la DEL
BLEUE clignote rapidement.

10
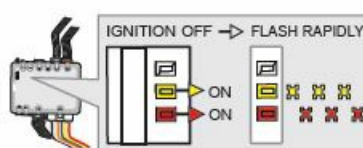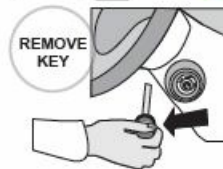
Turn the key to the OFF position
Remove the key from the
ignition barrel.

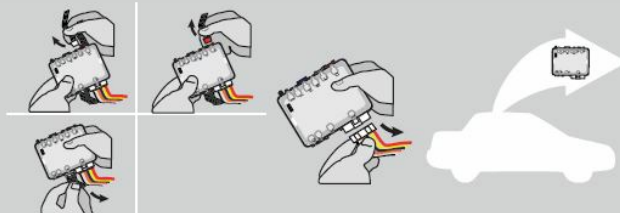⤷ The RED and YELLOW LEDs
will alternate.

Fermez la clé de contact.
Retirer la clé du barillet
d'ignition.

⤷ La DEL ROUGE et JAUNE
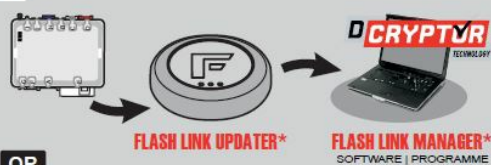alternent.

KEY BYPASS PROGRAMMING PROCEDURE 3/3

11

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

Débranchez tous les connecteurs et ensuite le connecteur 6-pins (Connecteur principal) ou le connecteur 4-pins (Data-Link).

12

Microsoft Windows Computer with Internet connection*

Ordinateur Microsoft Windows avec connection Internet*

FLASH LINK UPDATER*   **FLASH LINK MANAGER***
SOFTWARE | PROGRAMME

**OR
OU**

VEHICLE'S OBDII CONNECTOR
CONNECTEUR OBDII DU VÉHICULE

FLASH LINK MOBILE*

Smartphone*
(Internet provider charges may apply)
Téléphone Intelligent*
(des frais du fournisseur Internet peuvent s'appliquer)

Use the tool:
FLASH LINK UPDATER or **FLASH LINK MOBILE** to visit the DCryptor menu.

Utilisez l'outil:
FLASH LINK UPDATER ou **FLASH LINK MOBILE** pour visiter le menu DCryptor.

*Parts required (not included)   *Pièces requises (non incluses)

13
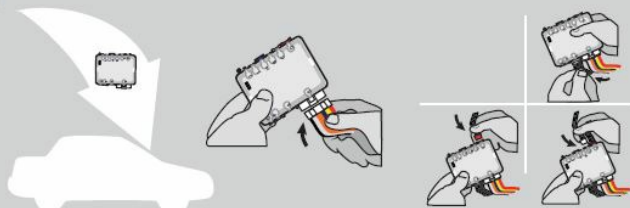
AFTER DCRYPTOR PROGRAMMING COMPLETED
Go back to the vehicle and reconnect the 6-Pin (Main-Harness) or the 4-pins (Data-Link) connector and after all the remaining connector.

APRÈS LA PROCÉDURE DE PROGRAMMATION DCRYPTOR COMPLETÉE : retournez au véhicule et rebranchez le connecteur 6-pins (Connecteur principal) ou le 4-pins (Data-Link) et après tous les connecteurs.

The module is now programmed.
Le module est programmé.

REMOTE STARTER / ALARM VERIFICATION PROCEDURE | PROCÉDURE DE VÉRIFICATION DU DÉMARREUR À DISTANCE / ALARME

Test the remote starter. Remote start the vehicle.
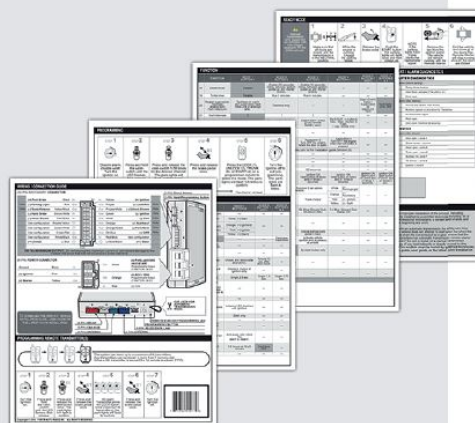**Testez** le démarreur à distance. Démarrez le véhicule à distance.

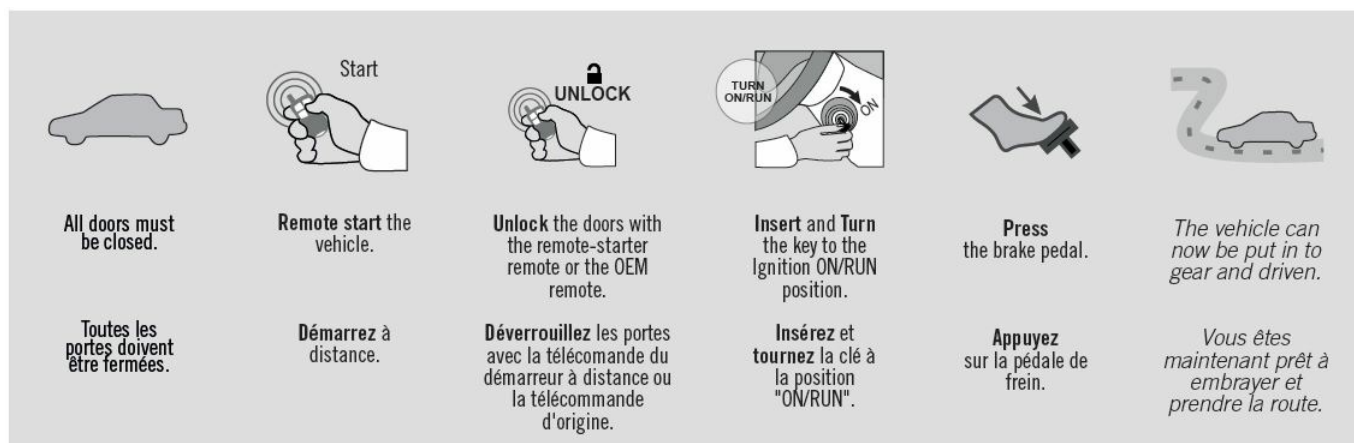## REMOTE STARTER PROGRAMMING PROCEDURE

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

RÉFÉREZ-VOUS AU **GUIDE D'INSTALLATION RAPIDE** INCLUS AVEC LE MODULE POUR LA PROGRAMMATION DU DÉMARREUR À DISTANCE.

REMOTE STARTER FUNCTIONALITY

	Start	🔒 UNLOCK	TURN ON/RUN		
All doors must be closed.	Remote start the vehicle.	Unlock the doors with the remote-starter remote or the OEM remote.	Insert and Turn the key to the Ignition ON/RUN position.	Press the brake pedal.	The vehicle can now be put in to gear and driven.
Toutes les portes doivent être fermées.	Démarrez à distance.	Déverrouillez les portes avec la télécomande du démarreur à distance ou la télécommande d'origine.	Insérez et tournez la clé à la position "ON/RUN".	Appuyez sur la pédale de frein.	Vous êtes maintenant prêt à embrayer et prendre la route.

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


Module label | Étiquette sur le module

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 qualifi ed technician. The information supplied is a guide only. This instruction guide may change without notice. Visit www.fortinbypass.com to get the latest version.

TECH SUPPORT

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

Documents / Resources
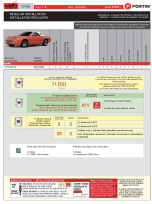
 FORTIN 2004 Ford Thunderbird Regular Key Remote Starters and Alarm Systems [pdf] Installation Guide
2004 Ford Thunderbird Regular Key Remote Starters and Alarm Systems, 2004, Ford Thunderbird Regular Key Remote Starters and Alarm Systems, Key Remote Starters and Alarm Systems, Alarm Systems, Systems

References

- **Remote Car Starters, Car Alarms, Immobilizer Bypass and Connected Vehicle Solutions | Fortin Electronic Systems**
- **Remote Car Starters, Car Alarms, Immobilizer Bypass and Connected Vehicle Solutions | Fortin Electronic Systems**

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