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AJOUT DU MODE AUTOMATIQUE AU FREIN MOTEUR VOLVO - US10 ET OBD13 ENSEMBLE 85150635

Véhicules Prevost

DESCRIPTION

Ce bulletin décrit les étapes à suivre sur votre ordinateur portable pour ajouter le mode automatique (AUTO mode) au frein moteur Volvo (VEB) sur les véhicules de type US10 ou OBD13 qui ont été construits avant l'introduction de cette fonctionnalité sur les nouveaux véhicules.

Le véhicule doit être équipé de la transmission ALLISON et du moteur frein VOLVO (VEB).

Pour vous familiariser sur le comportement du mode automatique de frein moteur Volvo, veuillez consulter l'Informations de Maintenance IM16-06 disponible sur le site des Publications techniques Prevost à cette adresse :

https://techpub.prevostcar.com/fr/

REMARQUE

Cette modification est recommandée par Prevost dans le but d'améliorer les performances de votre véhicule. Noter qu'aucun remboursement ne sera accordé pour l'exécution de cette modification.

APPLICATION

| Modèle | VIN | |
|---|-----|--|
| Véhicules US10 et OBD13 équipes d'une | | |
| TRANSMISSION ALLISON et d'un FREIN MOTEUR VOLVO (VEB) | | |

ÉQUIPPEMENT

Utilisez les supports informatiques suivants :

| Pièce No | Description | Qté |
|----------|--|-----|
| N/D | PTT (Premium TechTool) | 1 |
| N/D | Pour les véhicules OBD13, VPG (Vehicle Program Generator). **Contacter votre Gérant de Service ou votre Centre de Service | 1 |

Équipement pouvant être requis:

| Pièce No | Description | Qté |
|----------|-----------------------------------|-----|
| 564146 | Commutateur de frein moteur Volvo | 1 |
| 562698 | Commutateur NGR | 1 |



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REMARQUE

Le matériel peut être commandé selon la pratique habituelle.

VÉHICULES OBD13

PARTIE 1 – SÉLECTION DE L' « ACCESSORY KIT »



Stationner le véhicule de façon sécuritaire, appliquer le frein de stationnement, arrêter le moteur.

 Dans Premium TechTool, sélectionnez l'onglet PROGRAM (programme). Dans l'onglet PROGRAM, sélectionnez l'opération <u>1700-22-03-06 Accessory Kit</u>, puis cliquez sur START (démarrer) (FIGURE 1).

| Trech Tool Links Help Product Product History Diagnose Test Calibrate Program Impact Select an operation and click Start Select an operation and click Start Info0-22-03-06 Accessory Kit To run the operation in simulation mode select 1700-08-03-39 Program Electronic Control Unit 1700-22-03-06 Parameter, programming To run the operation in simulation mode select 1700-22-03-08 Parameter, programming 1700-22-03-08 Parameter, programming To cause select 1700-22-03-08 Parameter, programming To cause select The operation will program Electronic Control Unit 1700-22-03-03 Parameter, programming To cause select The operation will program Electronic Control Unit 1700-22-03-04 Parameter, programming To cause select The operation will program Electronic Control Unit 1700-22-03-05 Parameter, programming To cause select The operation will program Electronic Control Unit 1700-22-03-05 Parameter, programming To cause select The operation will program Electronic Control Unit 1700-22-03-12 Replace Hardware To number operation will program telectronic Control Unit The operation will program telectronic Control Unit 1700-22-03-13 Program with Stored Software Note: It may be necessary to perform calible Note | 🥰 Jean R |
|--|--|
| Product Program Impact Select an operation and click Start Impact Impact Impact <t< th=""><th></th></t<> | |
| Program 1700-22-03-06 Accessory Kit Select an operation and click Start To run the operation in simulation mode select 1700-08-03-39 Program Electronic Control Unit To run the operation in simulation mode select 1700-22-03-08 Parameter, programming To run the operation in simulation mode select 1700-22-03-08 Parameter, programming To cus the operation in simulation mode select 1700-22-03-08 Parameter, programming To cus the operation will program Electronic Control Unit 1700-22-03-08 Parameter, programming To cus the operation will program Electronic Control Unit 1700-22-03-12 Replace Hardware The operation will program Electronic Control Unit 1700-22-03-13 Program with Stored Software In Note: It may be necessary to perform callulation | |
| To cut the operation and clock start Info-22-03-03 Parameter, program Electronic Control Unit 1700-22-03-03 Parameter, programming 1700-22-03-03 Parameter, programming 1700-22-03-02 System Date and Time 1700-22-03-02 System Date and Time 1700-22-03-12 Replace 1700-22-03-11 Campaign 1700-22-03-12 Replace Hardware 1700-22-03-13 Program with Stored Software | t |
| 1700-08-03-39 Program Electronic Control Unit Description 1700-22-03-03 Parameter, programming Description 1700-22-03-02 System Date and Time The operation will program Electronic Control Unit 1700-22-03-03 Parameter, programming The operation will program Electronic Control Unit 1700-22-03-02 System Date and Time The operation will program Electronic Control Unit 1700-22-03-12 Replace Hardware The operation will program Electronic Control Unit 1700-22-03-13 Program with Stored Software Note: It may be necessary to perform callib | Run as simulated |
| 1700-22-03-03 Parameter, programming Description 1700-22-03-02 System Date and Time The operation will program Electronic Control L 1700-22-03-11 Campaign The operation will program Electronic Control L 1700-22-03-12 Replace Hardware Note: It may be necessary to perform callib | |
| 1700-22-03-06 Accessory Kd The operation will program Electronic Control L 1700-22-03-11 Campaign 1700-22-03-12 Replace Hardware 1700-22-03-13 Program with Stored Software Note: It may be necessary to perform calible | |
| 1700-22-03-11 Campaign 1700-22-03-12 Replace Hardware 1700-22-03-13 Program with Stored Software | Inits in the product according to what is specified in the Accessory |
| 1700-22-03-12 Replace Hardware 1700-22-03-13 Program with Stored Software | |
| 1700-22-03-13 Program with Stored Software | |
| | rations after an Electronic Control Unit has been programmed |
| 1700-08-03-40 Handle Component | |
| 1700-22-03-14 Synchronize electronic control unit data | |
| 3810-22-03-10 Change Language | |
| 3837-22-03-01 Odometer programming | |
| | |
| | Start > |

FIGURE 1

2. Saisir le numéro d'ACCESSORY KIT 85150635 (FIGURE 2).



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3. Cliquez sur le bouton PROGRAM (programme) ci-dessous et suivre les instructions. Le processus de programmation va commencer (FIGURE 2, FIGURE 3).

| ech Tool | |
|--|--|
| ech Tool Links Help | 🛃 Jean R |
| Product Product History Diagnose Test Calibrate Program Impact | |
| Programming Steps Retrieving software part numbers | 1700-22-03-06 Accessory Kit Enter an accessory kit number and domogram to apply the kit. Kit number: 85159635 Enter an accessory kit number |
| Reading out transferable parameters from affected Electronic Control Units | |
| Downloading software from central systems | |
| Programming Electronic Control Units | |
| Programming completed | |
| | Program > Cancel |

| Tech Tool | |
|--|---|
| Tech Tool Links Help | 📲 Jean Ruel |
| Product Product History Diagnose Test Calibrate Program Impact | |
| | 1700-22-03-06 Accessory Kit |
| Programming Steps | Requested Kit involves only parameter changes |
| Retrieving software part numbers | |
| Comparing software from central systems | |
| Programming Electronic Control Units | |
| 60% | |
| Programming completed | |
| | Continue > |
| hassis ID: PREVX 735959 VIN: 2PCG33491GC735959 Work Order: AEBtest | 🥝 Product 🥝 Online |

FIGURE 3

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PARTIE 2 – PROGRAMMATION DU VECU (MID144)

 Dans Premium TechTool, sélectionnez l'onglet PROGRAM (programme). Dans l'onglet PROGRAM, sélectionnez l'opération <u>1700-08-03-39 Program Electronic Control Unit</u>, puis cliquez sur START (FIGURE 4).



FIGURE 4

- 2. Sélectionnez l'unité de commande électronique appropriée, c'est-à-dire VEHICLE ECU MID144 (FIGURE 5).
- 3. Sélectionnez UPDATE ELECTRONIC CONTROL UNIT WITH LATEST SOFTWARE (FIGURE 5).
- 4. Cliquez sur PROGRAM et suivre les instructions (FIGURE 5).

| Fech Tool Links Help | 🖓 Jean Ru |
|--|---|
| Product Product History Diagnose Test Calibrate Program Impact | |
| | 1700-08-03-39 Program Electronic Control Unit |
| Select an Electronic Control Unit | |
| Control Unit | Programming Options |
| nformation display (MID 140) | |
| (ehicle ECU (MID 144) | India Electronic Control Unit with Intest enfluence |
| tadio (MID 206) | Reload Electronic Control Unit with existing software |
| fertreatment Control Module (ACM) | |
| ingine Control Module (EMS) | |
| elematics GateWay (TGW) | |
| | |
| | |
| | |
| | |
| | |
| | Program > Cancel |
| | |

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5. <u>Si</u> la version du programme présent dans le VECU n'est pas à jour, le message suivant s'affiche. Dans ce cas, sélectionnez YES (FIGURE 6). Cliquez sur CONTINUE (continuer) et suivre les instructions (FIGURE 6).

| Reading out transferable parameters from selected Electronic C | introi Units | The following Electronic Control Units will be programmed Vehicle ECU (MID144) |
|--|--|--|
| Retrieving software part numbers | Confirmation | |
| Downloading software from central systems | There are no softwar Unit Do you want to relog | e updates for the selected Electronic Control d the existing software? |
| Programming Electronic Control Units | | Yes No |
| Programming completed | | |
| | | Continue > Cance |

FIGURE 6

PARTIE 3 – PROGRAMMATION DU PARAMÈTRE DJ

1. Dans Premium TechTool, sélectionnez l'onglet PROGRAM. Dans l'onglet PROGRAM, sélectionnez l'opération <u>1700-22-03-03 Parameter</u>, programming, puis cliquez sur START (FIGURE 7).



FIGURE 7

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- 2. Sous CONTROL UNIT, sélectionnez VEHICLE ECU (MID 144) dans la liste déroulante (FIGURE 8).
- 3. Modifiez la valeur du paramètre DJ. Écrire dans le champ 1.3 si l'unité est mi/h ou 2 si l'unité est km/h, puis appuyez sur la touche ENTRÉE de votre clavier (FIGURE 8).
- 4. Cliquez sur CONTINUE (FIGURE 8).

| ch Tool | 100 | - | - | | | | | - | | | | | | - | 0 | 0 |
|----------------------|---|-------------------|----------------------|----------------------|-------------------|-----------|---------------------------|-------------------------|-----------------|---------------|-------------|------------|-----------|-------------|-----|------|
| ch Tool | Links Help | | | | | | | | | | | | | | 🖓 . | Jean |
| oduct | Product History | Diagnose | Test | Calibrate | Program | Impa | | | | | | | | | | |
| 700-22 Ind a para | -03-03 Parame | ter Progra | amming s below or | g by searching fo | or its ID or name | , Chang | e parameter value directi | r in the table. Click C | Continue to con | firm the char | nged parame | eter value | 95. | | | |
| Store | e Values 🛛 🔲 Param | eter Templates | 🔔 Inva | alid Parameters | | | | | | | | | | | | |
| In Th | valid Parameter Value ere are one or more pa meters | rameters with in | ıvalid value | es. This may be | caused by seve | eral reas | and some vehicle function | ons may not function | properly. Click | on the Inval | id Paramete | rs button | to see mo | re details. | | |
| Search | Parameter: | 1000 | Filter by | ¢. | | | ntrol Unit: 📂 | | Parameter Ty | ype: | | | Parame | ter State: | | |
| | | ٩ | Control | Unit | | • | ahicle ECU (MID 144) | ٠ | All | | | • | All | | | - |
| ID 🖷 | Name | | | | | | Min | Value | Max | Unit | Details | State | | | | |
| DA | Max vehicle speed fo | r High Idle | | | | | 4 | 7 | 9 | mph | | | | | | |
| DB | PTO min vehicle spec | ed | | | | | 2 | 3 | 7 | mph | | | | | | |
| OGM | Time before push is s | een as a ramp | | | | | 0.01 | 0.25 | 2.49 | 5 | | | | | | |
| АНС | Time before PTO acti | vation is seen a | s a ramp | | | | 0.00 | 0.25 | 2.54 | \$ | | | | | | |
| DHB | Max time to activate i | dle adjust functi | on | | | | 0 | 2000 | 255.00 | ms | | | | | | |
|)HL | Enable Speed Thresh | old 2 function | | | | | | Off | | | - | | | - | | |
| JJ. | Brake cruise control, | default speed | | | | | 1.3 | 1.3 | 3.1 | mph | | 🛊 Chi | anged | | | |
| OTO | Max vehicle speed to | activate idle ad | just | | | | Ö | 19 | 155 | mph | 8 | | | _ | | |
| MXC | Enable engine speed | limit when PTO | active (PT | (00) | | | | Off | • | | | | | | | |
| ZY | Enable brake cruise | | | | | | | Enabled swi | • | | | | | | | |
| | Engine Torque Limit R | Percentage | | | | | 0 | 0 | 100 | 96 | | L Rea | ad only | | | |
| ECM | midule loidee muuri | | | | | | | | | | | | | | | |

FIGURE 8

5. Cliquez sur PROGRAM (FIGURE 9).

| Tech Tool | 2.4 | _ | | | | And ingen training the second | - | - | | | - 0 - × |
|---------------------|-----------------------|---------------|------------|---------------|---------|-------------------------------|-----|-----|------|------------------------|------------------|
| Tech Tool | Links Help | | | | | | | | | | 斗 Jean Rue |
| Product | Product History | Diagnose | Test | Calibrate | Program | Impact | | | | | |
| 1700-22 Paramete | 2-03-03 Parame | ter Progra | ammin | g | | | | | | | |
| ID | Name | | | | | | Old | New | Unit | Commercial Part Number | |
| DJ | Brake cruise control, | default speed | | | | | 4.3 | 1.3 | mph | | |
| | | | | | | | | | | | 1 |
| | | | | | | | | | | < Back | Program |
| Chassis ID: PF | EFVX 735959 VIN 2PC | G33491GC73595 | ia White C | Inter AFRiest | | | | | | 1 💩 | Product 🧟 Online |

FIGURE 9

6. Suivez les instructions à votre écran.

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PARTIE 4 – PROGRAMMATION MULTIPLEX

Vous devez prendre un rendez-vous dans un Centre de Service Prévost ou contactez votre représentant de service Prevost pour compléter cette partie car elle requiert le logiciel VPG (Vehicle Program Generator)

- 1. Branchez le câble d'interface VPG au connecteur DB9.
- 2. Changez la valeur du paramètre RTDPDL. La valeur initiale est NO, modifiez cette valeur pour YES en utilisant la liste déroulante, puis cliquez sur SELECT (FIGURE 10).

| Prevost Vehicle Program Generator (VP ile View Execute ? | GProd_V2) | | | _ | |
|---|-------------------------|---------------------------------------|--------------|-----------|-----------|
|) 🔹 🔈 🍋 😹 | | 2 | 0 | | |
| /ehicle ID#: g-5959 Search | Messages: | | | | |
| eneral Vehicle Parameters Program Genera | ation Transfer to the | Vehicle Vehicle Hist | ory] | | |
| | _ | | | - | |
| Compare parameter values betwee | RTDPDI - Engine | e Retarder on Brake | Pedal appli | << Bac | k Next >> |
| Vehicle Parameters | interes engine | e netoroer on proke | read applied | | |
| Para / Description | | | - | New Value | |
| IDLSDE Idle shut down enabled | 1 | | 1 | No | |
| IDLSDN Idle shut down timer | | · · · · · · · · · · · · · · · · · · · | | 900 sec | |
| KNEEAL Kneeling Up Alarm | | Ver | | No | |
| KNEELI Kneeling | | | | Yes | |
| LMPWSH Head Lamps Washer | | 1 | | No | |
| LUGLUK Remote Luggage Door Lock | | - | | Yes | |
| NEWJER State: New Jersey | Sei | ect Car | cel: | No | |
| PBKALM Park brake alarm with ignition on | | | | No | |
| PRCKAC Parcel Rack With A/C | | | | No | |
| RECFMI Disable fmi 5 Pass AC rec dampe | INO | NO | INO | No | |
| RRBUOY Rear High Buoy Function | Ne | Ne | Ne | No | |
| RTDPDL Engine Retarder on Brake Pedal a | app No | | No | No | |
| STORMX X3 Back lighting 2014 | No | Yes | Yes | Yes | <u> </u> |
| TPMSSY TPM System | No | Yes | Yes | Yes | |
| TRASMI Transmission | Allisson | Allisson | Allisson | Allisson | |
| VEHMOD Vehicle Model | X3 | X3 | X3 | X3 | |
| WCHLIF Wheel Chair Lift | No | No | No | No | |
| XENONL Head Lamp Xenon | No | Yes | Yes | Yes | |
| | | 1 | 1 | | |

FIGURE 10

- 3. Sélectionnez l'onglet PROGRAM GENERATION (génération de programme) et suivez les instructions selon la procédure habituelle.
- 4. Sélectionnez l'onglet TRANSFER TO THE VEHICLE et suivre les instructions selon la procédure habituelle.

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PART 5 – ÉTAPE DE VALIDATION

- 1. Afin de valider que les étapes précédentes ont installés avec succès la fonction AUTO mode du frein moteur Volvo (VEB), exécutez l'étape suivante.
- 2. Mettre le sélecteur commutateur à la position ON et vérifiez si le pictogramme A s'affiche sur la ligne d'état du DID (FIGURE 11). Si c'est le cas, le mode de commande automatique a été installé avec succès sur le véhicule.



PARTIE 6 (ÉTAPE FACULTATIVE) – AJOUT D'UN INTERRUPTEUR POUR DÉSACTIVER LE FREIN MOTEUR

Commandez les pièces suivantes:

| Pièce No | Description | Qté |
|----------|----------------------------|-----|
| 564146 | BOUTON, VOLVO ENGINE BRAKE | 1 |
| 562698 | INTERRUPTEUR NGR | 1 |

REMARQUE

Le matériel peut être commandé selon la pratique habituelle.



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Interrupteur de désactivation du frein moteur (option)

Le frein moteur du véhicule est par défaut réglé sur automatique (AUTO (2) mode). Sur les véhicules équipés de cet interrupteur, il est possible de désactiver le frein moteur (OFF mode).

À partir du mode OFF, le conducteur peut passer directement au mode de frein basse puissance ou haute puissance en utilisant les commandes du volant.

Le commutateur devra être pressé à nouveau pour revenir du mode OFF au mode AUTO (20) (un cycle OFF / ON du commutateur d'allumage produira aussi le même effet).

- 1. Retirez le couvercle du tableau de bord.
- 2. Localisez une position d'interrupteur disponible sur le panneau du tableau de bord gauche.



FIGURE 12

- 3. Retirez la plaque à la position d'interrupteur disponible.
- 4. Insérez l'interrupteur.
- 5. Installez le bouton «ENGINE BRAKE » sur l'interrupteur.
- 6. Derrière le tableau de bord, localisez le connecteur SW16 parmi le câblage du tableau de bord. Connectez SW16 à l'interrupteur.



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VÉHICULES US10

PARTIE 1 - SÉLECTION DE L' « ACCESSORY KIT »



Stationner le véhicule de façon sécuritaire, appliquer le frein de stationnement, arrêter le moteur. Placer le commutateur d'allumage sur la position ON.

1. Dans Premium TechTool, sélectionnez l'onglet PRODUCT. Entrez le numéro de l'ordre de travail (FIGURE 13).



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2. Premium TechTool devrait confirmer avec deux points verts que vous êtes correctement connecté au véhicule et au système central (central System) (FIGURE 14).

| 15 Refresh @ Settings Q Manu | al Selection | B OBD/LVD - | | Finish Work | | |
|------------------------------------|----------------------------|-------------|---|------------------------------|--|--|
| Product Details | | Produc | t Status | | | |
| Chassis ID: | VIN: | Status | Description | Validated | | |
| PREVH 711884 | 2PCH3349XCC711884 | 4 🙂 | DTCs with status Active. Click Diagnose to view DTCs. | 2016-08-30 3:1 | | |
| Model: | Company: | • | Current battery level: 12.0 V. | 2016-08-30 3:1 | | |
| PREVH | Volvo Buses | | | | | |
| Emission Level: | | | | | | |
| US10 | | | | | | |
| Electrical System: | | | | | | |
| Multiplexed version 2 | | | | | | |
| Nork Session | | Campa | igns (0) | Readout Time: 2016-08-30 3:1 | | |
| Product Data Retrieved: | Central Data Retrieve | ed: There a | There are no available campaigns for this product. | | | |
| 2016-08-30 3:16 | 2016-08-30 3:16 | | | | | |
| Communication Unit: | Work Order: | | | | | |
| Nexiq USB-Link | auto en | | | | | |
| Connectivity | | | | | | |
| Status Description | | | | | | |
| Nexiq USB-Link driver version is n | ot recommended. Details >> | | | | | |
| The selected product PREVH 711 | 884 is connected. | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

3. Dans Premium TechTool, sélectionnez l'onglet PROGRAM. Dans l'onglet PROGRAM, sélectionnez l'opération <u>1700-22-03-06 accessoire Kit</u> puis cliquez sur START (**FIGURE 15**).





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4. Cliquez sur ▶ (play) (FIGURE 16).

| duct Product History Diagnose Test Calibrate Program Impact Maidcom VBC Remote | |
|--|-----|
| ← ▶ ■ ♀ √ 1≽ 1⊞ 1⊞ H 0 H 44 0 39 | |
| | |
| Enter accessory kit | |
| Authorization | |
| Ition: Possible damage to electronic components. Turn the Communication with the central systems in progress | |
| icle ignition switch OFF before disconnecting or connecting any Saving to a job card | |
| trical components. Failure to de-energize circuits may result in Operation complete | |
| tronic equipment damage. | |
| ation: To prevent electrostatic discharce (ESD), which may | |
| age sensitive electronic components, a wrist grounding strap | |
| at be used when working on electronic equipment (e.g., the | |
| rument cluster). Failure to use a wrist strap may result in | |
| nanent damage to electronic components. | |
| concretion is used to used the vehicle data in the central systems | |
| superation to door to update vendee data in the central systems | |
| | |
| operation ensures that the correct information about the vehicle is | |
| ed in the central system. This is important because the correct | |
| number for software/hardware must be available when | |
| ramming the new control unit. | |
| | |
| er the accessory kit part number. | |
| control unit concerned must be programmed once this operation | |
| been performed. | |
| | |
| e: Updating the central systems can take a while. | |
| | |
| | |
| | Exi |
| | |

5. Entrez le numéro du « accessory kit » 85150635 (FIGURE 17), puis cliquez sur OK.





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6. Si cette fenêtre apparaît, cliquez sur CLOSE (FIGURE 18).

| Accessory Kit Caution: Possible damage to electronic components. Turn the vehicle ignition switch OFF before disconnecting or connecting any electronic equipment Aamage. Caution: To prevent electrostatic discharge (ESD), which may damage sensitive electronic components, a wrist grounding strap | Enter accessory kit Authorization Communication with the central systems in progress Saving to a job card Operation complete |
|--|--|
| must be used when working on electronic equipment (e.g., the instrument cluster). Failure to use a wrist strap may result in permanent damage to electronic components. This operation is used to update vehicle data in the central systems when ordering accessories. The operation ensures that the correct information about the vehicle is stored in the central system. This is important because the correct part number for software/hardware must be available when programming the new control unit. | Information Error occurred This accessory kit does not exist. Make sure that the number is correct. Show Details Close |
| Enter the accessory kit part number. The control unit concerned must be programmed once this operation has been performed. Note: Updating the central systems can take a while. | |
| | • Exit |

FIGURE 18

PARTIE 2 – PROGRAMMATION DU VECU (MID144)

1. Dans Premium TechTool, sélectionnez l'onglet PROGRAM. Dans l'onglet PROGRAM, sélectionnez l'opération <u>3649-22-03-01 – MID 144 ECU, Programming puis cliquez sur START</u> (**FIGURE 19**).





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2. Cliquez sur ▶ (play) (FIGURE 20).



3. Cliquez sur OK (FIGURE 21).

| oduct indicating report Program impact Maidcom VBC Remote Impact Maid Stress Impact Maid | t-Amant |
|--|---------|
| Product History Diagnose Test Calibrate Program Impact Maidcom VBC Remote Impact Maidcom VBC Remote Impact Reading data from the control unit Impact Impact Nathorization Communication with the control unit. Authorization Communication with the central systems in progress Confirming software status Programming Saving to a job card Communication with mainter software Impact Mainter software </th <th></th> | |
| MID 144 ECU, Programming Reading data from the control unit Connection to the control unit Authorization Connection to the control unit Authorization Communication with the central systems in progress Confirming oftware status Programming Swing to a job card Confirm software and show commercial part number. Obvinod software and show commercial part number. | |
| MID 144 ECU. Programming Reading data from the control unit his operation is used to program the vehicle control unit. Connection to the control unit his operation must be used when replacing the control unit. Authorization communication with the central systems in progress Communication with the central systems in progress otule. Saving to a job card he operation is also used when reprogramming an existing control unit. Confirm software and show commercial part number. ote: The fault codes in the programmed ECU will be cleared. Read Show only commercial part number. | |
| Connection to the control unit Authorization Communication with the central systems in progress Communic | |
| his operation is used to program the vehicle control unit. his operation must be used when replacing the control unit. The peration reads the software and parameter settings from the old notrol module and programs these settings into the new control indule. he operation is also used when reprogramming an existing control hit, for example when a conversion kit has been ordered scessitating reprogramming of the control unit. ote: The fault codes in the programmed ECU will be cleared. Read | |
| his operation must be used when replacing the control unit. The peration reads the software and parameter settings from the old ontrol module and programs these settings into the new control ordule. The operation is also used when reprogramming an existing control unit. If, for example when a conversion kit has been ordered scessitating reprogramming of the control unit. | |
| The operation reds to use of when reprogramming an existing show the old ontrol module and programs these settings into the new control odule. Confirming software status Programming Saving to a job card Confirm software and show commercial part number. Download software and show commercial part number. Show only commercial par | |
| control module and programs these settings into the new control indule. Programming he operation is also used when reprogramming an existing control it, for example when a conversion kit has been ordered poessitating reprogramming of the control unit. Confirm software ote: The fault codes in the programmed ECU will be cleared. Read Download software and show commercial part number. | |
| sodule. Saving to a job card he operation is also used when reprogramming an existing control nit, for example when a conversion kit has been ordered scessitating reprogramming of the control unit. Confirm software ote: The fault codes in the programmed ECU will be cleared. Read Show only commercial part number. | |
| he operation is also used when reprogramming an existing control nit, for example when a conversion kit has been ordered scessitating reprogramming of the control unit. ote: The fault codes in the programmed ECU will be cleared. Read | |
| In the operator is also used when a conversion kit has been ordered seessitating reprogramming of the control unit. | |
| ecessitating reprogramming of the control unit. | |
| ote: The fault codes in the programmed ECU will be cleared. Read | |
| tote: The fault codes in the programmed ECU will be cleared. Read | |
| ad any all fault and a take take and before mention this appointing | |
| to save all taut codes to the job card before furning this operation, de that affect the specific new fail codes may be act. These fault | |
| OK Cancel | |
| | |
| the beginning of the operation you have three options: | |
| Lies "Benjace control unit" ONLY when you change the control unit | |
| I data from the old control unit is transferred to the new control unit. | |
| | |
| Use "Reprogram control unit with complete software package" ONLY | |
| nen you need to repair the software in the control unit. | |
| Use "Reprogram control unit with only new parts of software | |
| ackage" when you need to update control unit with new software. | |
| mly new parameters or new parts of the software are programmed so 👻 | |
| | |



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4. Sélectionnez **REPROGRAM CONTROL UNIT WITH ONLY NEW PARTS OF SOFTWARE PACKAGE** puis cliquer sur OK (**FIGURE 22**).

| ech Tool | EN English (Canada) 😯 Help 📜 | |
|--|--|------------------|
| Programming | | 🕰 Sylvain St-Ama |
| Choose action: Replace control unit Reprogram control unit with complete software package Reprogram control unit with only new parts of software package | VBC Remote rol unit nit nit Cannel Cannel | |
| module. The operation is also used when reprogramming an existing control unit, for example when a conversion kit has been ordered necessitating reprogramming of the control unit. Note: The fault codes in the programmed ECU will be cleared. Read and save all fault codes to the job card before nuning this operation. Note that after the operation new fault codes may be set. These fault codes should be cleared. In the beginning of the operation you have three options: - Use "Replace control unit" ONLY when you change the control unit. All data from the oid control unit is transferred to the new control unit Use "Reprogram control unit with complete software package" ONLY when you need to repair the software in the control unit Use "Reprogram control unit with only new parts of software package" when you need to update control unit with new software. Only new parameters or new parts of the software are programmed so | Saving to a job card Operation complete | |
| | | |

- 5. Validez les conditions affichées dans la fenêtre (FIGURE 23).
 - Le moteur doit être éteint.
 - Appliquer le frein de stationnement (parking brake).

| Product Product History Diagnose Test Calibrate Product ●< | ogram Impact Maidcom VBC Remote Reading data from the control unit Connection to the control unit Authorization Communication with the central systems in progress Confining software status Programmina Swing to a job card Operating Conditions Image: Conditions Image: Conditions Concel | |
|--|--|--|
| Use "Reprogram control unit with complete software package" ONLY when you need to repair the software in the control unit. | | |
| - Use "Reprogram control unit with only new parts of software package" when you need to update control unit with new software. Only new parameters or new parts of the software are programmed so | | |

FIGURE 23



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6. Cliquez sur CONTINUE (FIGURE 24).



7. Cliquez sur OK (FIGURE 25).





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8. La programmation est en cours (FIGURE 26 & FIGURE 27).



| h Tool Li | inks Help | | | | | | | | Sylvain St-An |
|-----------|----------------|------------|----------------|---------|---------------|---|------------------|--|---------------|
| oduct | Product Histor | y Diagnose | Test Calibrate | Program | Impact | Maidcom | VBC Remote | | |
| | | | | | | | | | |
| | | | | | MID 14 | 14 ECU, Program | nming r off | | |
| | | | | | • W S W | /ait 10 secon witch on the po /ait | ds wer supply | | |
| | | | | | | _ | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |



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9. Cliquez sur 📕 (stop) puis cliquez sur EXIT (**FIGURE 28**).



PARTIE 3 – PROGRAMMATION DU PARAMÈTRE DJ

1. Dans Premium TechTool, sélectionnez l'onglet PROGRAM. Dans l'onglet PROGRAM, sélectionnez l'opération <u>1700-22-03-03 Parameter</u>, programming puis cliquez sur START (**FIGURE 29**).

| Program | 1700-22-03-03 - Parameter, Programming |
|---|---|
| m | To run the operation in simulation mode select Run as simulated |
| | Run as simulated |
| 1 - Service and maintenance | |
| 1700-08-03-13 - Change Component | This operation is used to read and program perpendencial upluse |
| 1700-22-03-02 - System Date and Time, Programming | i nis operation is used to read and program parameter values. |
| 1700-22-03-03 - Parameter, Programming | |
| 1765 12 65 54 Comerciantite | |
| 1700-22-03-06 - Accessory Kit | |
| 2 - Engine, Engine mounting and equipment | |
| 3 - Electrical system and instruments | |
| 4 - Transmission | |
| 5 - Brakes | |
| 6 - Axles, suspension and steering | |
| 7 - Frame, springs, shocks and wheels | |
| 8 - Body, cab and interior | |
| 9 - Miscellaneous | |
| | |
| | |
| | |
| | |
| | |
| | |



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2. Sur cette fenêtre, cliquez sur YES (**FIGURE 30**).

| components an | d features before resetting any parameters |
|-------------------------------|--|
| he warnings an Inderstood. | d precautions above have been read and |
| inderstood. | |

FIGURE 30

3. Cliquez sur ▶ (play) (FIGURE 31).

| Tech Tool | Eli English (Canada) 🔹 Help 🚦 | - • · × |
|---|---|--------------------|
| Tech Tool Links Help | 50 | 🛃 Sylvain St-Amant |
| Product Product History Diagnose Test Calibre | ate Program Impact Maidcom VBC Remote | |
| Product Product History Diagnose Test Calibri Product Product History Diagnose Test Calibri Parameter, Programming Caution: Make certain th vehicle is equipped with the appropriate components and a trues before resetting any parameters. This operation is used to read and program parameter values. Note: Fault codes may be stored in some of the ECUs during programming. These fault codes should be cleared. Note: The following applies only to markets with a legal requirement for speed limitation. The programming is carried out correctly and that the road speed limit complies with relevant legislation. Certification from the relevant legislation for the true values. One type where any value between the minimax limits can be actived. It has done dimend to the done burnes of the instruction. | Impact Maidcom VBC Remote Image: Ima | |
| The other type has fixed values to choose from, these are aligned to the left. | | |
| | | Exit |

FIGURE 31



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4. Sélectionnez l'icône pointée à l'étape (1) de la **FIGURE 32**. Sélectionnez le bon numéro de MID, soit **144 Vehicle ECU** (voir étape 2). Recherchez le paramètre DJ dans la liste du bas (étape 3).

| ech Tool Links Help | | | 0 | | | | | | | | 🖓 Sy | Ivain St-An |
|---|----------|---|---|---------------------|--|---------------------------|-----------------------------------|---------|-------|----|--------|-------------|
| Product Product History Diagnose Test Calibr | rate | Prog | ram Impact Maidcom VBC | Remote | | | | | | | | |
| | | | (4) SELE | OT T | ше | | | | | | | |
| Parameter, Programming Caution: Make certain the vehicle is equipped with the appropriate components and features before resetting any parameters. This operation is used to read and program parameter values. | | 128 E 140 Ir 142 V 144 V | ingine ECU formation display relative ECU relative ECU relative ECU relative ECU | ELE | | fax | IS | ۵ | | | | |
| Note: Fault codes may be stored in some of the ECUs during programming. These fault codes should be cleared. | Ę | ID | Menne | Min | Value | | law II | | | | | |
| | | 10 | Name | PAUL I | value | Ter. | iax c | inc. | | | | |
| Note: The following applies only to markets with a legal equirement for speed limitation. | | xo | Activate PTO output from vehicle control unit | | 1 = Yes | | | | | | | |
| lote: The following applies only to markets with a legal equirement for speed limitation. he programmer is responsible for ensuring that all | 1 | xo cx | Activate PTO output from vehicle control unit Air Conditioning Installed | | 1 = Yes 0 = No | | | | 140 | | | |
| kote: The following applies only to markets with a legal squirement for speed limitation. he programmer is responsible for ensuring that all rogramming is carried out correctly and that the road speed | 21 | XO CX DJ | Activate PTO output from vehicle control unit Air Conditioning Installed Brake cruise control, default speed | 1.24 | 1 = Yes 0 = No 4 | .35 | 3.11 m | ph 🧲 | (3) | DJ | PARAME | TE |
| ote: The following applies only to markets with a legal quirement for speed limitation. he programmer is responsible for ensuring that all orgramming is carried out correctly and that the road speed mit complies with relevant legislation. Certification from the speed of the second speed of the second speed of the second speed mit complies with relevant legislation. | | XO CX DJ | Activate PTO output from vehicle control unit Air Conditioning Installed Brake cruise control, default speed brake Program delay | 1.24 | 1 = Yes 0 = No 4 | 35 | 3.11 m | ph s | (3) | DJ | PARAME | TE |
| ote: The following applies only to markets with a legal quirement for speed limitation. he programmer is responsible for ensuring that all ogramming is carried out correctly and that the road speed nit complies with relevant legislation. Certification from the levant authorities is required to carry out road speed limit tSL) programming. | 2 | XO CX DJ LMY QIW | Activate PTO output from vehicle control unit Air Conditioning Installed Brake cruise control, default speed Brake Program denay Bridge on J 1939 for body builders, enable | 1.24 0 | 1 = Yes 0 = No 4 0 = Off | 1 35 000 | 3.11 m 65535 m | ph s | (3) | DJ | PARAME | TE |
| lote: The following applies only to markets with a legal squirement for speed limitation. he programmer is responsible for ensuring that all rogramming is carried out correctly and that the road speed mill complies with relevant legislation. Certification from the levant authorities is required to carry out road speed limit SSL) programming. lote: The values column has two different types of values. | | XO CX DJ UMY QIW BYT | Activate PTO output from vehicle control unit Air Conditioning Installed Brake cruise control, default speed Brake Program Geay Bridge on J1939 for body builders, enable Clutch cond for High Idle/PTO 0 deact. | 1.24 | 1 = Yes 0 = No 4 0 = Off 2 = Pedal depressed | 1.35 000 | 3.11 m 65535 m | ph s | . (3) | DJ | PARAME | TE |
| Ide: The following applies only to markets with a legal quirement for speed limitation. The programmer is responsible for ensuring that all rogramming is carried out correctly and that the road speed mit complies with relevant legislation. Certification from the alevant authorities is required to carry out road speed limit 4SL) programming. Ide: The values column has two different types of values, ine type where any value between the min/max limits an be entered, these are aligned to the right in the column, and be entered. | <u>N</u> | XO CX DJ LMY QIW BYT CCU | Activate PTO output from vehicle control unit Air Conditioning Installed Brake cruise control, default speed Brake Program delay Bridge on J1939 for body builders, enable Clutch cond for High Idle/PTO 0 deact. Clutch delay before cruise deactivation | 1.24 0 0 | 1 = Yes 0 = No 4 0 = Off 2 = Pedal depressed | 35 000 1 5 | 3.11 m 65535 m 10 s | ph s | (3) | DJ | PARAME | TE |
| ote: The following applies only to markets with a legal quirement for speed limitation. he programmer is responsible for ensuring that all ogramming is carried out correctly and that the road speed init is complies with relevant legislation. Certification from the levant authorities is required to carry out road speed limit (SSL) programming. ote: The values column has two different types of values. ne type where any value between the min/max limits an be entered, these are aligned to the right in the column, he other type has fixed values to choose from, these are gined to the left. | 4 | XO CX DJ QIW BYT CCU MZF | Activate PTO output from vehicle control unit Air Conditionina Installed Brake cruise control, default speed Brake Program deay Bridge on 1939 for body builders, enable Clutch cond for High Idle/PTO 0 deact. Clutch cond for High Idle/PTO 0 deact. Clutch delay before cruise deactivation Cooling fan activation delay, after charging fan activation delay, after | 1.24 0 0 5 | 1 = Yes 0 = No 4 0 = Off 2 = Pedal depressed | 35 000 1 5 30 | 3.11 m 65535 m 10 s 30 s | ph s | • (3) | DJ | PARAME | TE |
| ote: The following applies only to markets with a legal quirement for speed limitation. he programmer is responsible for ensuring that all ogramming is carried out correctly and that the road speed init is complies with relevant legislation. Certification from the levant authorities is required to carry out road speed limit (SL) programming. ote: The values column has two different types of values, ne type where any value between the min/max limits in be entered, these are aligned to the right in the column, ne other type has fixed values to choose from, these are ligned to the left. | *1 | XO CX DJ UNY QIW BYT CCU MZF AG | Activate PTO output from vehicle control unit Air Conditionina Installed Brake cruise control, default speed Brake Program delay Bridge on 1933 for body builders, enable Clutch cond for High Idle/PTO 0 deact. Clutch delay before cruise deactivation Cooling fan activation delay, after charging start Cruise control | 1.24 0 0 5 | 1 = Yes 0 = No 4 0 = Off 2 = Pedal depressed 1 = Yes | 35 000 1 5 30 | 3.11 m 65535 m 10 s 30 s | ph š | . (3) | DJ | PARAME | TE |

5. Mettre la valeur (Value) du paramètre DJ à **2.00** (FIGURE 33) puis faire ENTRÉE (ENTER) sur votre clavier.

| Tech Tool Links Help | | Sylvain St-Aman |
|---|--|-----------------|
| Product Product History Diagnose Test Calib | rate Program Impact Maidcom VBC Remote | |
| O ← > ■ @ ✓ 1> 10 10 H H H | » | |
| Parameter, Programming | Continue Min Max | |
| Caution: wake certain the venicle is equipped with the appropriate components and features before resetting any parameters. | 128 Engine ECU 140 Information display 129 | |
| This operation is used to read and program parameter values. | 144 Vehicle ECU 2.00 | |
| Note: Fault codes may be stored in some of the ECUs during programming. These fault codes should be cleared. | | |
| | ID Name Min Value Max Unit | |
| Note: The following applies only to markets with a legal requirement for speed limitation. | XO Activate PTO cutput from vehicle 1 = Yes | |
| The programmer is responsible for ensuring that all | Ng CX Air Conditioning Installed 0 = No | |
| programming is carried out correctly and that the road speed | DJ Brake cruise control, default speed 1.24 2.00 3.11 mph | |
| limit complies with relevant legislation. Certification from the | LMY Brake Program delay 0 1000 65535 ms | |
| (RSL) programming. | QIW Bridge on J1939 for body builders. 0 = Off | |
| Note: The values column has two different types of values. | BYT Clutch cond for High Idle/PTO 0 2 = Pedal depressed | |
| One type where any value between the min/max limits can be entered, these are aligned to the right in the column. | CCU Clutch delay before cruise 0 5 10 s | |
| The other type has fixed values to choose from, these are aligned to the left. | MZF Cooling fan activation delay, after 5 30 30 s | |
| | AC Cruins sector | |



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6. Cliquez sur CONTINUE (FIGURE 34).

| Tech Tool Links Help | | | Part 1997 | | | | Sylvain St-A |
|--|---------|------|--|--------|------------------------|--------|--------------|
| Product Product History Diagnose Test Calib | rate | Prop | gram Impact Maidcom VBC | Remote | | | |
| 0 | ** | | | | | | |
| Parameter, Programming | = | | | _ | | | |
| Caution: Make certain the vehicle is equipped with the | F | 8 | Continue | | Min Ma | x | |
| appropriate components and features before resetting any parameters. | a ha ha | 128 | Engine ECU nformation display | | | | |
| This operation is used to read and program parameter values. | | 144 | Vehicle ECU Padio | | 1 | | |
| Note: Fault codes may be stored in some of the ECUs during programming. These fault codes should be cleared. | Ĺ | | in the second se | | | 1 | í |
| | | ID | Name | Min | Value | Max | Unit |
| Note: The following applies only to markets with a legal requirement for speed limitation. | | хо | Activate PTO output from vehicle control unit | | 1 = Yes | | |
| The programmer is responsible for ensuring that all | \$ | CX | Air Conditioning Installed | | 0 = No | | |
| programming is carried out correctly and that the road speed | | DJ | Brake cruise control, default speed | 1.24 | 20 | 0 3.1 | 1 mph |
| imit complies with relevant legislation. Certification from the | | LMY | Brake Program delay | 0 | 100 | 0 6553 | 5 ms |
| relevant authorities is required to carry out road speed limit (RSL) programming. | | QIW | Bridge on J1939 for body builders, enable | | 0 = Off | | |
| Note: The values column has two different types of values. | | BYT | Clutch cond for High Idle/PTO 0 deact. | | 2 = Pedal depressed | | |
| One type where any value between the min/max limits can be entered, these are aligned to the right in the column. | | CCU | Clutch delay before cruise deactivation | 0 | | 5 1 |) s |
| The other type has fixed values to choose from, these are aligned to the left. | * | MZF | Cooling fan activation delay, after charging start | 5 | 3 | 0 3 |) s |
| | | AG | Cruise control | | 1 = Yes | | |
| | | AI | Cruise control max speed | 18.6 | 68. | 4 87. |) mph |
| | | RK | Cruise Control Min Set Speed | 18.6 | 18. | 6 68. | f mph |
| | | UN | | | | 0 10 | l mak |
| | F | BL | Cruise Control Min Speed to Resume | 9.3 | 9. | 3 10. | o mpri |
| | | BL | Cruise Control Min Speed to Resume Cruise control Trim step, resume | 9.3 | 9. | 4 6.2 | 1 miles/h/s |

FIGURE 34

7. Cliquez sur PROGRAM (FIGURE 35).

| peration | | ue Min | Max | | |
|----------|-------------------------------------|--------|------|------|--|
| arameter | The Supervision | | | x | |
| Paramete | rs to be programmed: | | | | |
| ID | Name | Old | New | Unit | |
| DJ | Brake cruise control, default speed | 4.35 | 2.00 | mph | |
| | | | | | |
| | | 1 | | | |



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8. Cliquez sur 📕 (stop) (flèche 1) puis sur EXIT (flèche 2) (**FIGURE 36**).

| Tech Tool Links Help | | | | | | | Eà | Sylvain St-Am |
|---|------------------------------|---|--------|------------------------|--------|-------------|------|---------------|
| Product Product History Diagnose Test Calib | rate Prog | gram Impact Maidcom VBC | Remote | | | | | |
| В ← 1 ■ 2 √ 1> 1= 1= н я 4 | * | | | | | | | |
| Perameter, Programming Caution: Make certain the vehicle is equipped with the appropriate components and features before resetting any parameters. | 128 E 128 E 140 142 | Ingine ECU Konvatori | ie. | Min Max | | | | |
| This operation is used to read and program parameter values. Note: Fault codes may be stored in some of the ECUs during programming. These fault codes should be cleared. | 206 F | Radio (1) | | | | | | |
| | ID | Name | Min | Value | Max | Unit | | |
| Note: The following applies only to markets with a legal requirement for speed limitation. | xo | Activate PTO output from vehicle control unit | | 1 = Yes | | | | |
| The programmer is responsible for ensuring that all | V CX | Air Conditioning Installed | | 0 = No | | | | |
| programming is carried out correctly and that the road speed | DJ | Brake cruise control, default speed | 1.24 | 2.0 | 00 3.1 | 1 mph | | |
| limit complies with relevant legislation. Certification from the | LMY | Brake Program delay | 0 | 1000 | 65538 | 5 ms | | |
| relevant authorities is required to carry out road speed limit (RSL) programming. | QIW | Bridge on J1939 for body builders, enable | | 0 = Off | | | | |
| Note: The values column has two different types of values. | BYT | Clutch cond for High Idle/PTO 0 deact. | | 2 = Pedal depressed | | | | |
| One type where any value between the min/max limits can be entered, these are aligned to the right in the column. | CCU | Clutch delay before cruise deactivation | C | 5 | 1 | 0 s | 1000 | |
| The other type has fixed values to choose from, these are aligned to the left. | MZF | Cooling fan activation delay, after charging start | 5 | 30 | 3(| 0 s | (2) | |
| | AG | Cruise control | | 1 = Yes | | | × | |
| | AI | Cruise control max speed | 18.6 | 68.4 | 87.0 | 0 mph | | |
| | BK | Cruise Control Min Set Speed | 18.6 | 18.6 | 68.4 | 4 mph | | |
| | BL | Cruise Control Min Speed to Resume | 9.3 | 9.3 | 18.0 | 6 mph | | |
| 2 | AST | Cruise control Trim step, resume | 0.00 | 1.24 | 6.2 | 1 miles/h/s | | 1 |
| | | | | | | | | |

- **FIGURE 36**
- 9. Exécutez la commande suivante affichée à l'écran (**FIGURE 37**), soit de mettre le commutateur d'allumage à OFF, d'attendre 10 secondes puis de remettre à ON.

| Na | Switch the power off Wait 10 seconds Switch on the power supply Wait | |
|----|---|--|
| | | |





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10. Sous l'onglet PRODUCT, cliquez sur FINISH WORK (FIGURE 38).

| ech Tool | and the second se | EN English (Canada) 🕐 Help 🚦 | 0 |
|--|---|---|-------------------------------|
| ech Tool Links Help | 25 | | 🖓 Sylvain St-Amar |
| Product Product History Diagnose | Test Calibrate Program Impact Maido | om VBC Remote | |
| Selected Product (PREVH 71188 | 34) | | |
| 😘 Refresh 🛛 🔞 Settings 🔍 Manual Selec | cton | | Finish Work |
| roduct Details | | Product Status | |
| Chassis ID: | VIN: | Status Description | Validated |
| PREVH 711884 | 2PCH3349XCC711884 | DTCs with status Active. Click Diagnose to view DTCs. | 2016-09-01 10:39 |
| Nodel: | Company: | Current battery level: 12.1 V. | 2016-09-01 10:3 |
| REVH | Volvo Buses | | 1 |
| Emission Level: | | | |
| 1910 | | | |
| 2010 | | | |
| Electrical System: | | | |
| Electrical System: Multiplexed version 2 | | | |
| Electrical System: Multiplexed version 2 Vork Session | | Campaigns (0) | Readout Time: 2016-09-01 10:3 |
| Electrical System: Multiplexed version 2 fork Session Product Data Retrieved: | Central Data Retrieved: | Campaigns (0) There are no available campaigns for this product. | Readout Time: 2016-09-01 10:3 |
| Electrical System: Electrical System: Vork Session Product Data Retrieved: 2016-09-01 10.38 | Central Data Retrieved: 2016-09-01 10:38 | Campaigns (0) There are no available campaigns for this product. | Readout Time: 2016-09-01 10:3 |
| Electrical System: Untiplexed version 2 fork Session Product Data Retrieved; 2016-09-01 10:38 Communication Unit: | Central Data Retrieved: 2016-09-01 10:38 Work Order: | Campaigns (0) There are no available campaigns for this product. | Readout Time: 2016-09-01 10:3 |
| Electrical System: Multiplexed version 2 Vork Session Product Data Retrieved: 2016-09-01 10:38 Communication Unit: VCCOM/88890020/8840133 | Central Data Retrieved: 2016-09-01 10:38 Work Order: test3 | Campaigns (0) There are no available campaigns for this product. | Readout Time: 2016-09-01 10:3 |
| Electrical System: Multiplexed version 2 Vork Session Product Data Retrieved: 2016-09-01 10:38 Communication Unit: VOCOM/88890020/8840133 onnectivity | Central Data Retrieved: 2016-09-01 10 38 Work Order: test3 | Campaigns (0) There are no available campaigns for this product. | Readout Time: 2016-09-01 10:3 |
| Electrical System: Multiplexed version 2 Work Session Product Data Retrieved: 2016-09-01 10:38 Communication Unit: vOCOM/88890020/88840133 connectivity Status Description | Central Data Retrieved: 2016-09-01 10:38 Work Order: test3 | Campaigns (0) There are no available campaigns for this product. | Readout Time: 2016-09-01 10:3 |
| | Central Data Retrieved: 2016-09-01 10:38 Work Order: test3 | Campaigns (0) There are no available campaigns for this product. | Readout Time: 2016-09-01 10:3 |
| Electrical System: Multiplexed version 2 Vork Session Product Data Retrieved: 2016-09-01 10.38 Communication Unit: VOCOM/88890020/88840133 Commentivity Status Description © VOCCOM/88890020/88840133 (USB) is co © The selected product PREVH 711884 is cc | Central Data Retrieved: 2016-09-01 10:38 Work Order: test3 | Campaigns (0) There are no available campaigns for this product. | Readout Time: 2016-09-01 10:: |
| Electrical System: Multiplexed version 2 Work Session Product Data Retrieved: 2016-09-01 10.38 Communication Unit: VOCOM/88590020/8840133 Connectivity Status Description VOCOM/88590020/8840133 (USB) is co VOCOM/88590020/8840133 (USB) is co | Central Data Retrieved: 2016-09-01 10.38 Work Order: test3 | Campaigns (0) There are no available campaigns for this product. | Readout Time: 2016-09-01 10:3 |
| Electrical System: Multiplexed version 2 Vork Session Product Data Retrieved: 2016-09-01 10:38 Communication Unit: VOCOM/88890020/8840133 :onnectivity Status Description VOCOM/88890020/8840133 (USB) is co | Central Data Retrieved: 2016-09-01 10:38 Work Order: test3 whether the computer. | Campaigns (0) There are no available campaigns for this product. | Readout Time: 2016-09-01 10:3 |
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11. Fermer la session Premium Tech Tool (FIGURE 39).

| Tec | h Tool | | _ | | | 1 | ENI | inglish (Canada) 🕐 Help 🚦 | - 0 - × |
|-----|--|----------------|-------------|------------------|---------|-------------|---------|---------------------------|-----------------------------|
| Tec | h Tool Links Help | | | | | | | | Sylvain St-Amant |
| | Work Offline Update Product Information | nose | Test | Calibrate | Program | n Impact | Maidcom | VBC Remote | |
| | Manage Software Manage Software New | | | | | | | | |
| 0 | Settings User Preferences | ial Sele | ection | () Latest Sele | ections | B OBD/LVD * | | | |
| 0 | Print Label Print | | | | | | | | |
| 2 | Log off | | | | | | | | |
| 3 | VOCOM/88890020/8884013 | I3 (USB) is co | onin cted I | to the computer. | | | | | |
| | Product PREVH 711884 is c | onnected. | | | | | | | |
| | | | | - | | | | | |
| | | | | | | | | | |
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| 07.2017 | N/D | 1 | 24(25) |

PARTIE 4 – AJOUT D'UN CÂBLE DE LIAISON (JUMPER)

1. Installer un câble de liaison (jumper) entre le circuit de mise à la masse (ground) de l'interrupteur du frein moteur et le circuit 163B (**FIGURE 40**).



FIGURE 40

PARTIE 5 – ÉTAPE DE VALIDATION

- 1. Afin de valider que les étapes précédentes ont ajouté avec succès le mode AUTO du frein moteur Volvo (VEB), effectuez l'opération suivante.
- 2. Mettre le commutateur d'allumage à la position ON et vérifier si le pictogramme A s'affiche à la ligne d'état du DID (**FIGURE 42**). Si c'est le cas, le mode de commande automatique a été mis en place sur le véhicule avec succès.



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DISPOSITION DES PIÈCES

Rebuter selon les règlements environnementaux applicables (mun./prov./féd.).

TEMPS ESTIMÉ

Le temps requis pour effectuer ce bulletin est approximativement de xxx heure(s).

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