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## TGW2 4G CONVERSION - ACCESSORY KIT 23266301

Prevost / Volvo Vehicles

### DESCRIPTION

On the vehicles affected by this bulletin, it is now possible to replace the older generation TGW 2.0 (3G network) by the newer 2.1 version (4G the network) using accessory kit **23266301** and the following procedure.

### MODEL YEAR(S) AND VEHICLES INVOLVED

Model	VIN
H3 Series Model Year : 2015 to 2018	Vehicles using TGW 2.0 with 3G network From 2PCH33492 <u>FC712922</u> up to 2PCH3349X <u>JC713941</u> .
X3 Series Model Year : 2015 to 2018	Vehicles using TGW 2.0 with 3G network From 2PCCS3499 <u>FC735871</u> up to 2PCCS349X <u>JC736231</u> .
Volvo 9700 Model Year : 2015 to 2018	Vehicles using TGW 2.0 with 3G network From 3CET2V227 <u>F5170550</u> up to 3CET2V922 <u>J5186069</u> .

### MATERIAL NEEDED

Order the following parts:

Part No.	Description	Qty
22861158	TGW2.1 (4G) WIFI ECU	1
22990242	4G SIM Card	1

Equipment required:

Description	Qty
Laptop with PTT (Premium TechTool, latest version installed) & related cables.	1

### NOTE

Material can be obtained through regular channels.

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## PROCEDURE

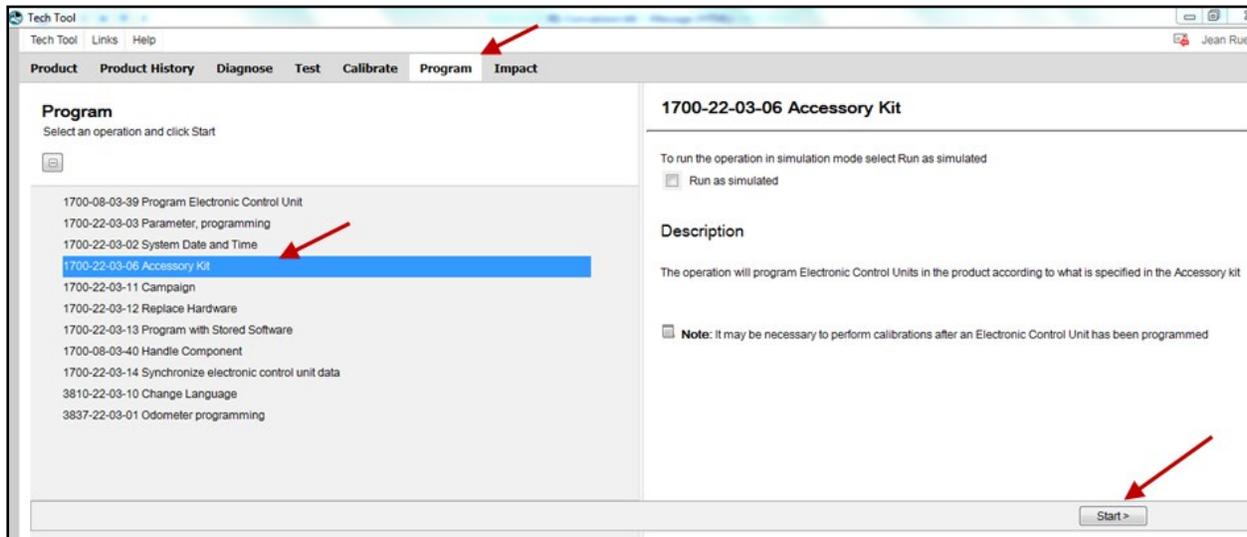


### DANGER

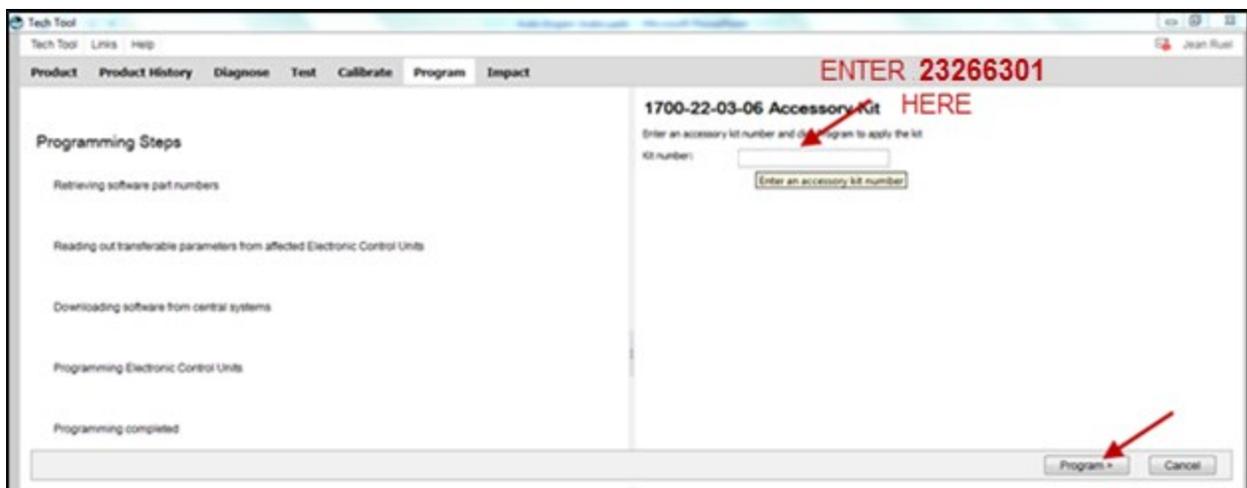
Park vehicle safely, apply parking brake, stop engine. Prior to working on the vehicle, set the ignition switch to the ON position

## PART 1: ACCESSORY KIT

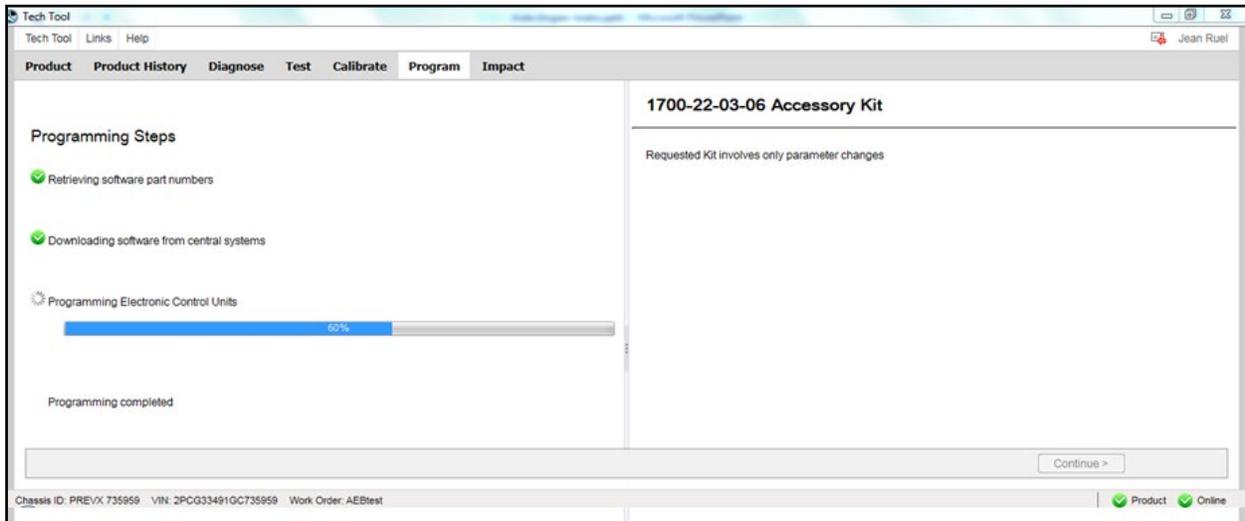
1. In Premium TechTool, select PROGRAM tab. In PROGRAM tab, select operation 1700-22-03-06 Accessory Kit then clicks START.



2. Enter Accessory kit number **23266301** Click on PROGRAM button below and then follow the instructions. The programming process will start.

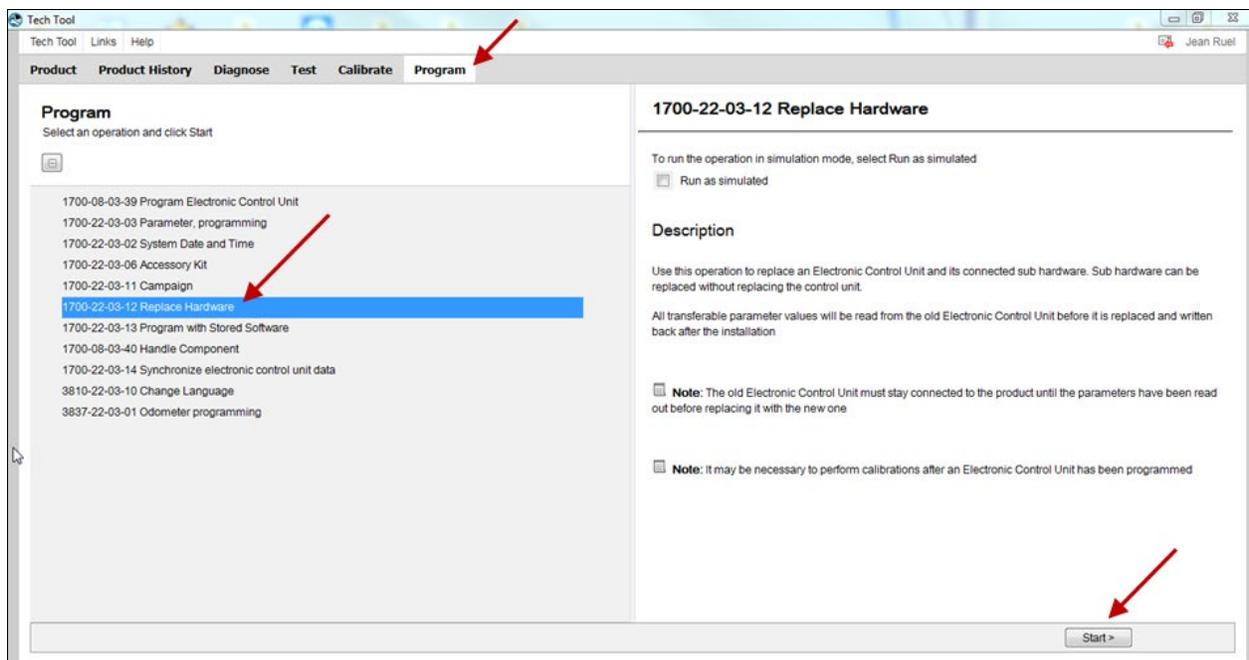


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## PART 2: HARDWARE REPLACEMENT

1. In PROGRAM tab, select operation 1700-22-03-12 Replace Hardware then clicks START.



**NOTE**

*Old TGW 2.0 ECU must stay connected, do not replace before parameters have been read.*

### 1700-22-03-12 Replace Hardware

To run the operation in simulation mode, select Run as simulated

Run as simulated

#### Description

Use this operation to replace an Electronic Control Unit and its connected sub hardware. Sub hardware can be replaced without replacing the control unit.

All transferable parameter values will be read from the old Electronic Control Unit before it is replaced and written back after the installation.

**Note:** The old Electronic Control Unit must stay connected to the product until the parameters have been read out before replacing it with the new one

**Note:** It may be necessary to perform calibrations after an Electronic Control Unit has been programmed

2. Once the parameters have been read, the following screen will appear. Follow the steps outlined to replace the old TGW ECU.

**1700-22-03-12 Replace Hardware**

Simulation

**Information:**

The table below displays the currently connected and identified Electronic Control Units (ECU) and the connected sub hardware (SubHW). The table does not indicate specifically what hardware to replace.

**Note:** Some sub hardware may not be displayed in the table until the Electronic Control Unit is replaced and programmed.

**Instruction:**

- 1 Turn the ignition key to OFF position
- 2 Remove the old hardware
- 3 Install the new hardware
- 4 Turn the ignition key to ON position
- 5 Click Continue to start programming

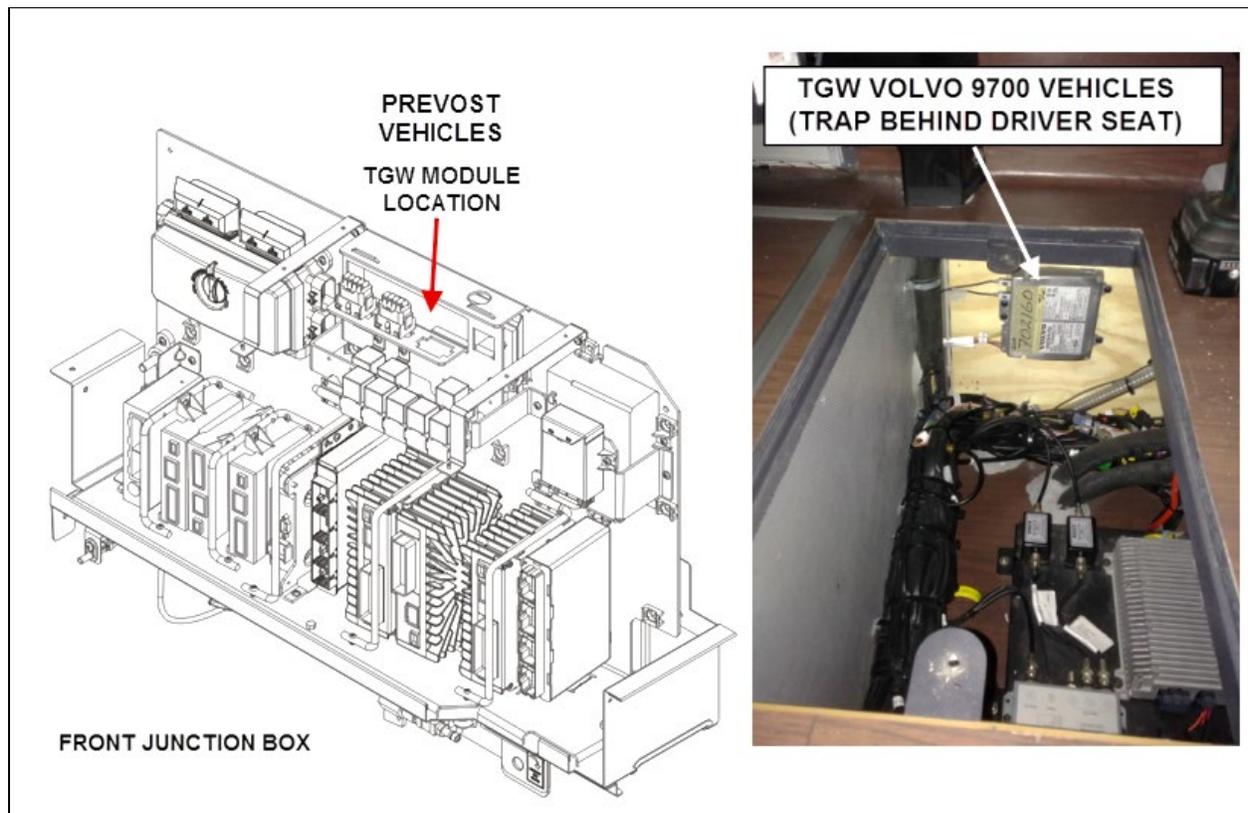
**Telematics GateWay (TGW)**

Type	Hardware	Part Number	Serial Number
ECU	Telematics GateWay (TGW)	22357675	16411464

Continue > Cancel

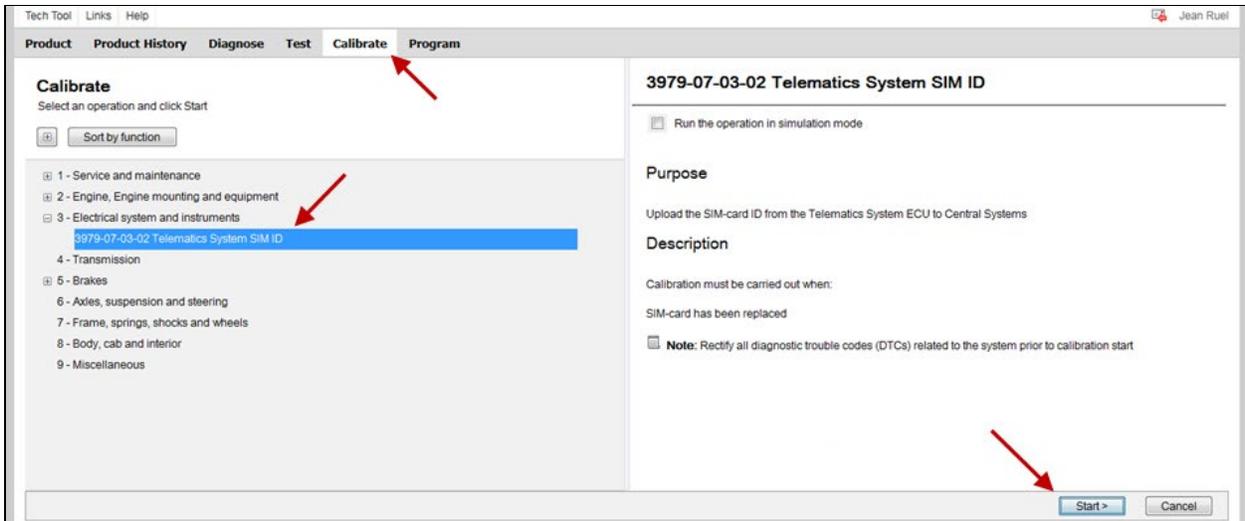
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- Turn the ignition key to the OFF position.
- Remove old hardware (TGW 2.0).
- Install new hardware (TGW 2.1 ECU and new SIM card).
- Turn the key to the ON position.
- Click continue to start programming.

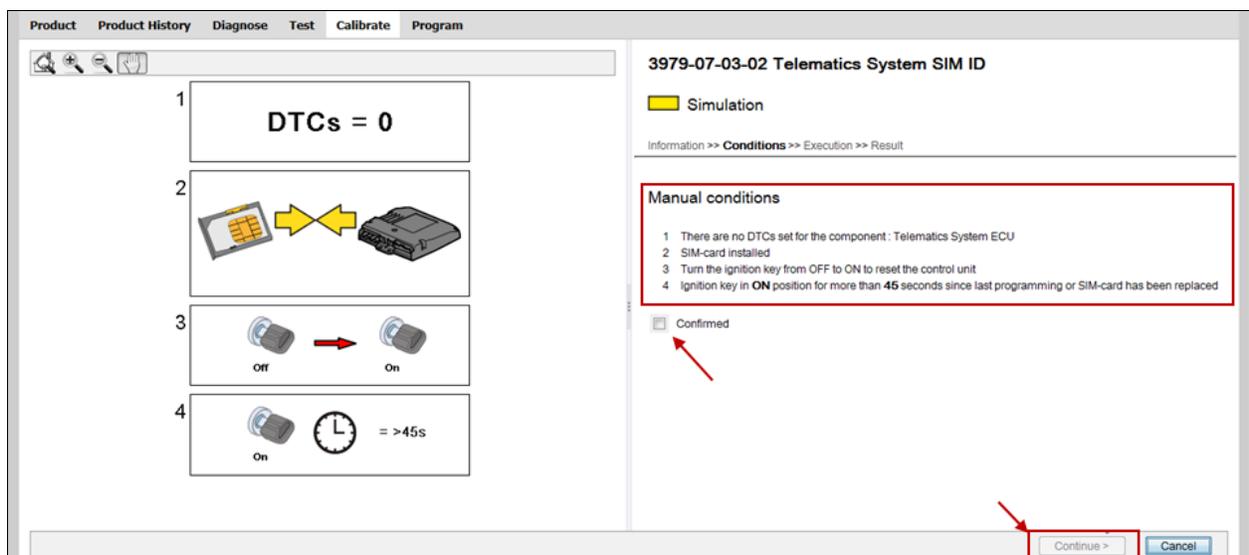


## PART 3: SIM CARD INSTALLATION AND CALIBRATION

1. Proceed to the new SIM card calibration following the instructions below.



- SIM card is installed in new ECU.
- No DTCs are set for the Telematics System ECU
- Turn the ignition key from OFF to ON to reset control unit.
- Leave ignition key in ON position for 45 seconds or more.



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## PARTS / WASTE DISPOSAL

Discard waste according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)

## ESTIMATED TIME

The time required to perform this bulletin is approximately One (1.0) hour.

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