SERVICE CENTER INFORMATION

SCI19-30

DATE :	August 2019	SECTION : 00 GENERAL

SUBJECT :	MCM MODULE P/N 23499009 BENCH PROGRAMMING PROCEDURE FOR THE HVAC MODULE REPLACEMENT (FULL HVAC)

First Release   08-12-2019

DESCRIPTION

The intent of this procedure is to guide you through the steps required to program a MCM especially for the control of the HVAC module as described in instruction sheets IS-19923.

BEFORE PROGRAMMING	AFTER PROGRAMMING
MCM (non-programmed) part # 23499009	MCM programmed part # 23499009-FAC

MATERIAL NEEDED

Part No.	Description	Qty
23499009	MCM (non-programmed)	1
7770486	LABEL - FOR MCM PROG. HVAC MODULE	1

SPECIAL TOOLS AND OTHER EQUIPMENT NEEDED

1. A laptop with the following software installed: MAIDCOM.
2. A network access
3. Interface harness #0610162
4. Special Prevost cable #066009
5. 24V-3A Power supply #0610163
6. HVAC module control program: body software *FB_06100176P01*

INSTALLING MAIDCOM (if already installed, skip to step 9)

1. Install Maidcom on your computer. Get Maidcom on Volvo network using the link below:

https://secure.volvo.com/VBCRemote/files_Applications/MAIDCOM%20Standalone/Setup.Maidcom2_7_5591_Standalone.zip

2. You will end up here. Type your username and current password.

VOLVO   Operated by: **VOLVO IT**

Welcome to Volvo Network

https://secure.volvo.com/VBCRemote/files_Applications/MAIDCOM%20Plugin%20for%20TechTool%20version%202.04%20and%20up/Setup.Maidcom2_7_5591_Standalone.zip

Username	Password
ub60392	••••••••

Login

Authentication type: ⦿ Static Password Login
                          ◯ DigiPass Login

Change password

3. This dialog box will show. Select "Open".

Internet Explorer

What do you want to do with
Setup.Maidcom2_7_5591_Standalone.zip?

Size: 319 KB
From: secure.volvo.com

→ Open
   The file won't be saved automatically.

→ Save

→ Save as

Cancel
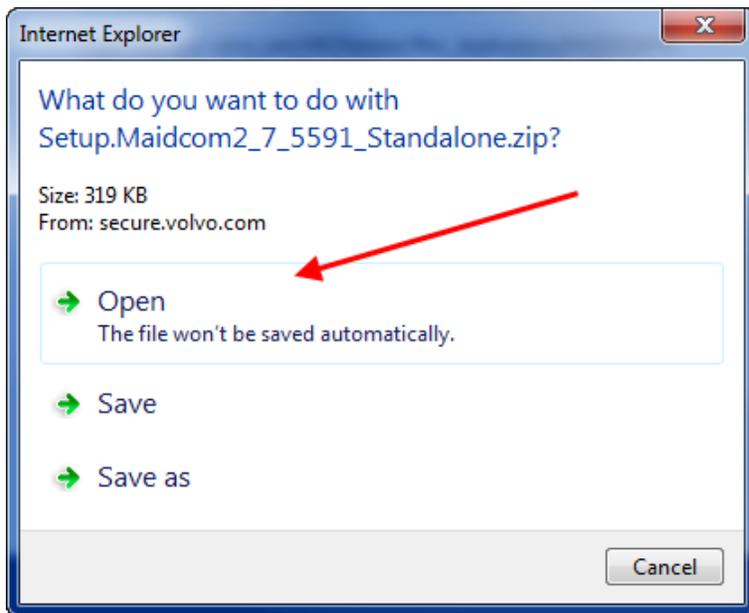
4. A window similar to the one below will show. Double-click on the file to run the Setup Wizard and perform the installation steps.

<QF7720964 Rev 1>
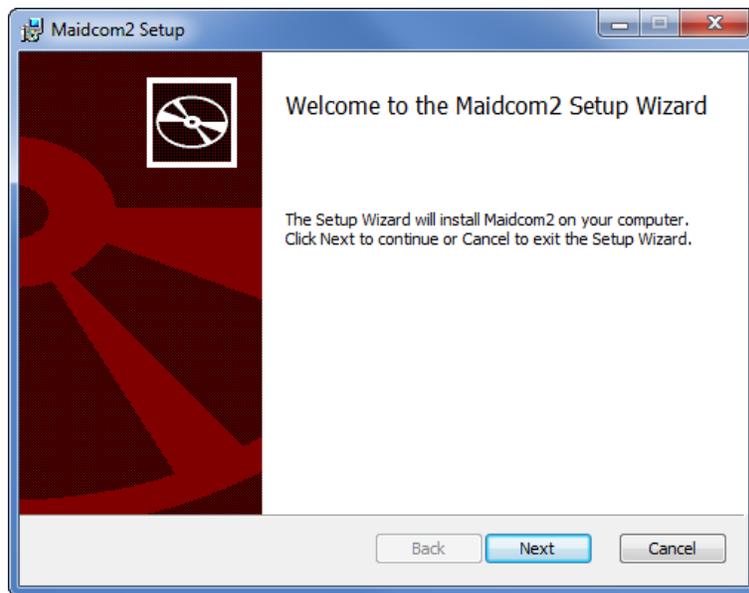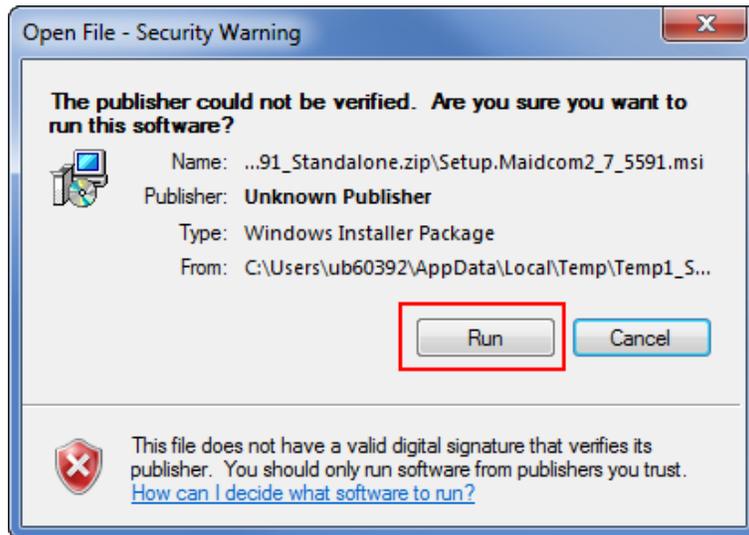
5.   Maidcom now installed on your computer.
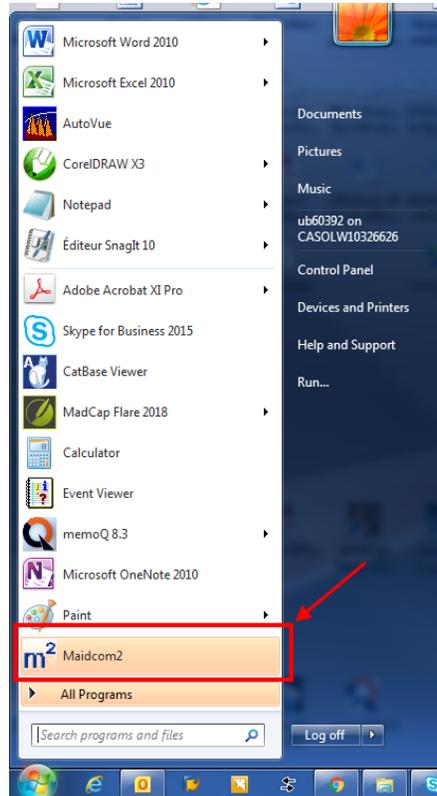
6.   Make a new icon in your taskbar so you can start Maidcom from the taskbar. To do so, in the *Start Menu,* right-click on M2 Maidcom2 and then select *Pin to Taskbar.*

NEW INTERNET EXPLORER LINK ON YOUR COMPUTER
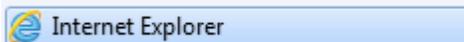
Important note for computers equipped with Windows 10. Make sure that Internet Explorer is installed on your computer and that you use it to create the link and to connect with the MCM module.

Edge fails to connect with the MCM module. Don't use Edge for this procedure.

7. You need to create one shortcut (<u>Internet Explorer</u> link) on your desktop as seen on the image below.

Volvo Bus
Local Host
49555

8. Create the link with the following addresses:

Name: *Volvo Bus Local Host*   http://localhost:49555/

GET BODY SOFTWARE AND SAVE ON YOUR COMPUTER

9. Get the MCM program (*body software FB_06100176P01*) on the Service Tips portal using the link below and <u>save it on your computer</u>.

Service tips/Technical Publications/A. SCI (Service Center Information)/2019/SCI19-30
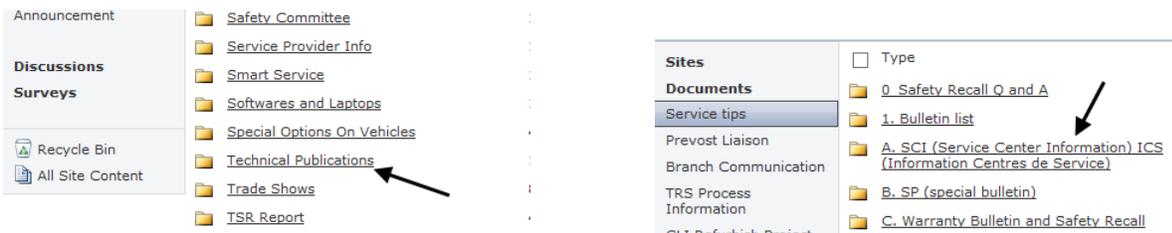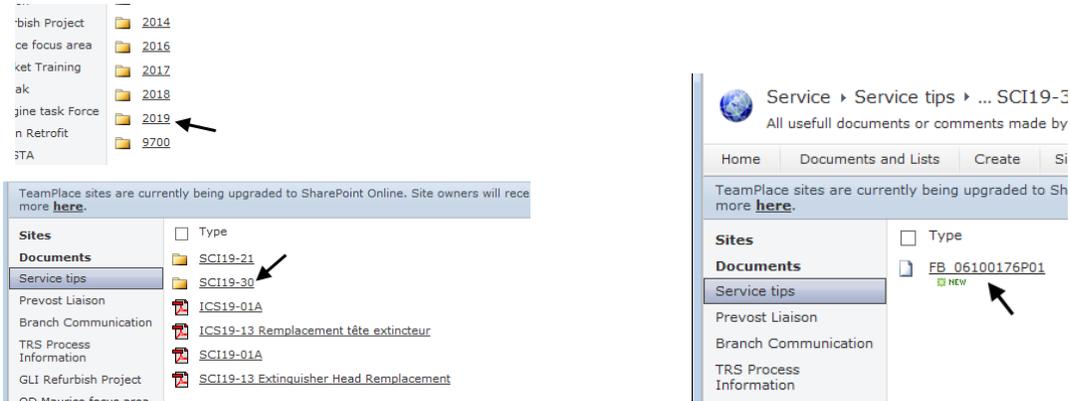
10. Click on *FB_06100176P01* and then save it on your computer at an appropriate location. You can save file to your **desktop**, which can give you quick access to it.
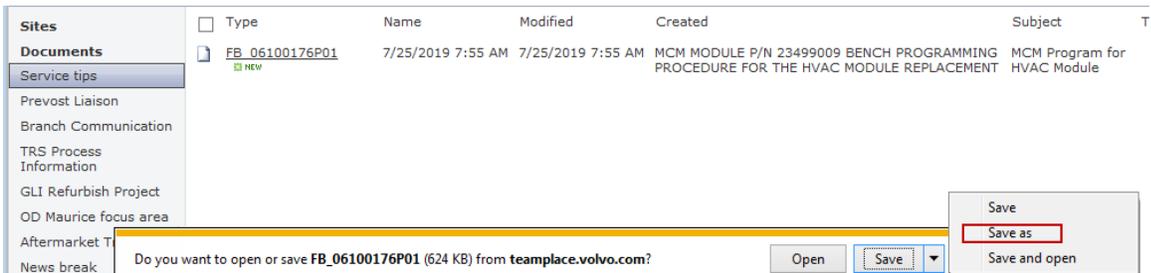
CONNECTIONS

11. Connect your interface harness #0610162 to the non-programmed MCM.

12. Connect harness #066009 to the COM serial port of your computer.

#066009

Use COM Serial port adapter
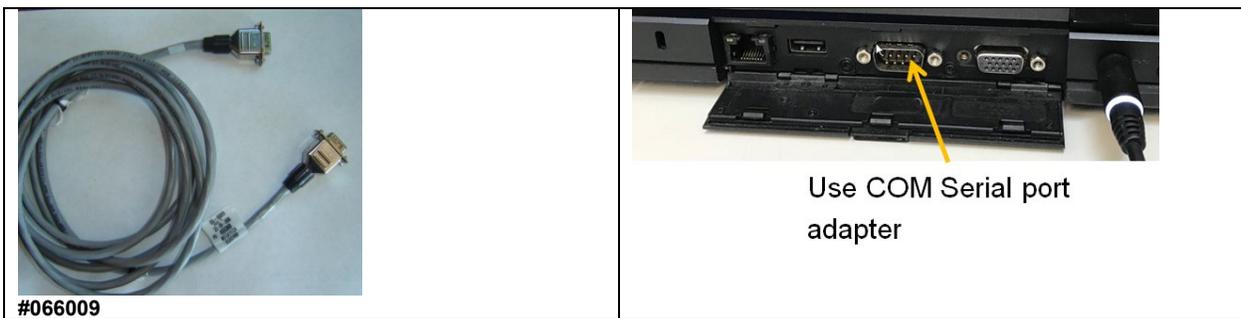
13. Connect the other end of harness #066009 to the DB9 connector on the interface harness #0610162.

14. Connect the 24V power supply #0610163 to the appropriate connector on the interface harness.

START MAIDCOM

15. Click the Maidcom icon to start it.

Maidcom will <u>try to connect</u> with the MCM module.
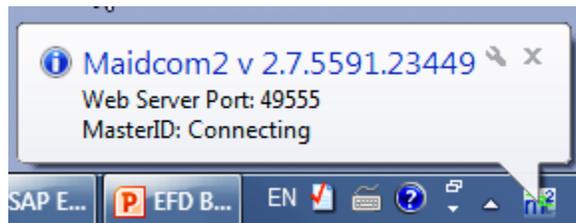
There is a good chance that the first connection trial <u>fails</u>.

<u>If this is the case</u>, in the taskbar, right-click the Maidcom icon and then select *Auto-Detect*.
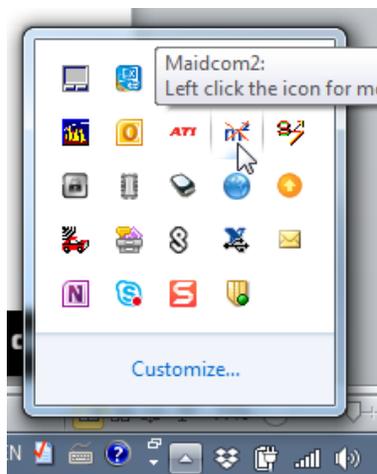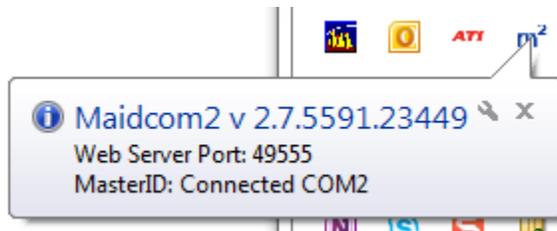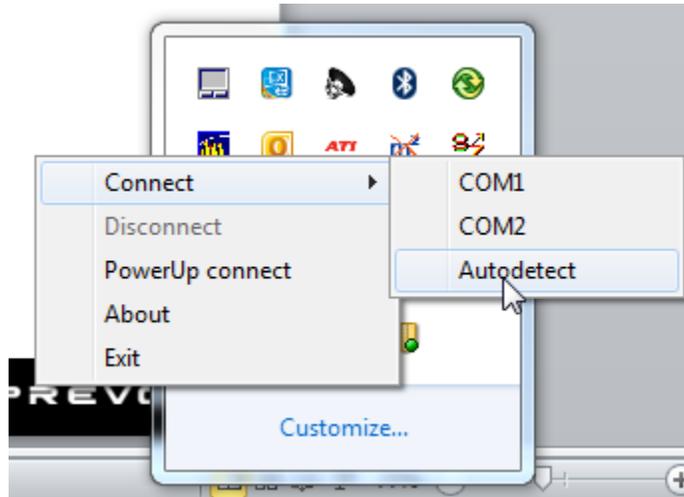
CONNECTING WITH THE MCM WEB PAGE

16. Connect with the MCM web page using the *Volvo Bus Local Host* link previously made.

Make sure to use Internet Explorer [Internet Explorer] .
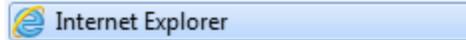
Use the following user name & password:

User name:

Password:

17. Once connected, select *Download Software Package*.

18. Click on *Browse* and search for the Body Software saved on your computer (see 1 on image below).
19. Select the Body Software *FB_06100176P01* (see 2 on image below).
20. Click on *Download* (see 3 on image below).

0%

Browse...   **1**
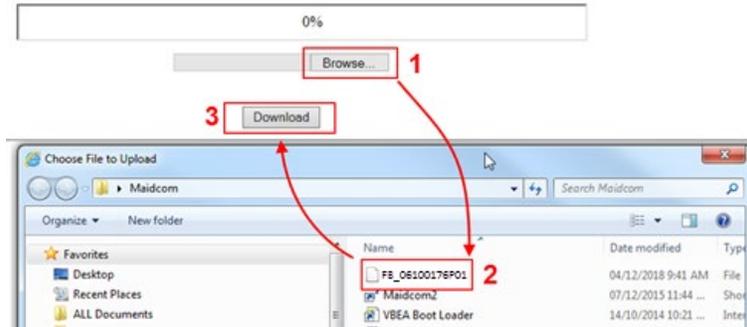
3 Download

Select the software package you want to download.

37%

C:\Users\ub60052\Desk   Browse...
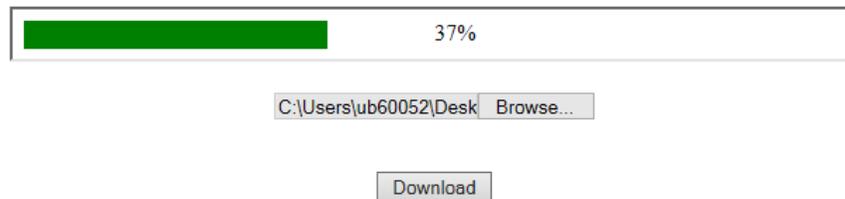
Download

21. Click on *Start System Software* and then....**wait** ⧗.

25. The following window is normal *....wait*

503 Service Unavailable

Volvo Bus On-board WEB-Server

                                    <QF7720964 Rev 1>

26. The following window is normal ….**Wait** until the window closes.

503 Service Unavailable

Programming BBUS application to ECU 36(1 of 2)
3.........4.........
------?----?--------

Volvo Bus On-board WEB-Server
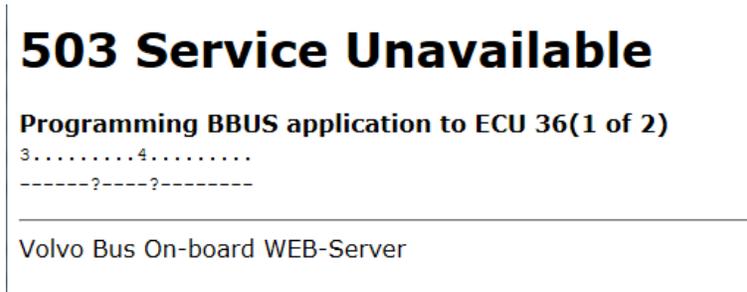
CONFIRM THAT THE MCM WAS PROGRAMMED SUCCESSFULLY

27. Confirm that the MCM was programed successfully. Select *Vehicle Information*.

VOLVO

Chassis : 06100176P01 *PREVOS*
2019-07-03/14:41:52

+ Language (English)
+ Vehicle information
+ Fault log
+ MID view
+ Operation view
+ Function diagram view
+ Parameters
+ Programming
+ Help
+ Exit

MasterID, MID 210:

Hardware PN	23317344-P01
Hardware SN	08210586
Bootloader PN	23317370-P01
Manufacturer data	

Software:

Vehicle ID	00000000A00
System software	SS-23369980-P01
Common Pages	CP-70360663
CECM-B, MID 188 SSW	**BS-23370350-P01-06100176P01**
B-Bus Application	BA_00000000A00
B-Bus Parameters	PB_00000000A00

28. Exit Maidcom. To do so, right-click on the icon and then select *Disconnect*.

TRAINING folder

Connect
Disconnect
PowerUp connect
About
Exit

Customize...

<QF7720964 Rev 1>
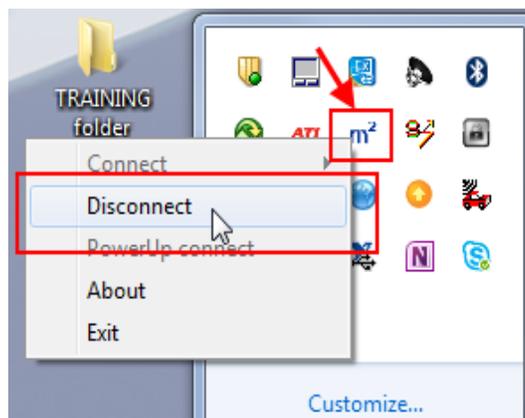
DECAL

29. Identify the now programed MCM. Programed MCM for the Electric Fan Drive conversion kit is part number **23499009-FAC**. Affix decal #7770486 on the programed MCM. To avoid any confusion, hide the MCM previous part number 23499009 with the decal.

<QF7720964 Rev 1>