

Service & Parts Information

Product Improvement Information

Le Mans, 12/02/2018

CSP/JCD

Version 1



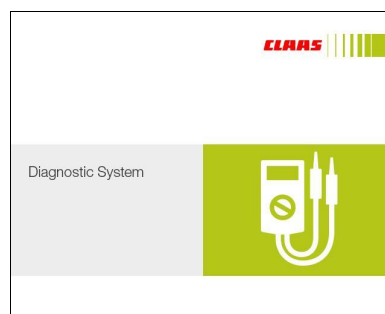
CLAAS AXION 900 Stage IV (A44) - AXION 800 Stage IV & Tier 4F (A61 - A60) - ARION 600 - 500 Stage IV (A77 - A76 - A75 - A74) - ARION 400 Stage IV (A53 - A52)

Type of info: General
Group: 10
CLAAS No.: 13743

New tractor update and configuration procedure in CDS

Changes brought about by the Mother Regulation standard (167/2013) are being or will be applied to our new AXION 900 Stage IV (A44), AXION 800 Stage IV & Tier 4F (A61 - A60), ARION 600 - 500 Stage IV (A77 - A76 - A75 - A74) and ARION 400 Stage IV (A53 - A52) tractor series at the start of factory production.

The Mother Regulation applies to the European market (EU28) and is intended to enable independent dealerships to perform maintenance and repair procedures on CLAAS MR (Mother Regulation) tractors.



A new procedure has been developed to improve the programming and configuration functions of MR tractors by making the tasks more straightforward in CDS.

This new MUC (Machine Update Center) procedure combines both of these functions and performs them automatically in CDS, making the process of programming and configuring CLAAS MR tractors simpler and more effective. The attached Procedure no. 1 describes the steps for carrying out these tasks in CDS.

Changes have also had to be made to CDS in order to add after-sales options to MR tractors. The new options have to be incorporated into the tractor configuration using CDS.

There are two different possibilities available:

- Add a payment-free option (e.g. an electro-hydraulic spool valve). In this case, the tractor configuration is changed using CDS, as explained in the instructions in procedure no. 2.
- Add a paying option (e.g. the HEXACTIV function). In this case, the option has to be ordered through Parts Online in the usual way. The tractor configuration can be altered as explained in procedure no. 3, one working day after the option has been ordered.

The new features from the MUC are integrated into the CDS tool from the following versions and onwards:

- **2.2.51 AXION 9x0**
- **2.2.65 AXION 8x0**
- **2.2.67 ARION 5-6x0**
- **2.2.41 ARION 4x0**

NB: this is for information purposes only and not a Field Campaign.

Regards,

Your CLAAS Customer Service



created on 13/01/2019 for Andries Johannes de Beer

Sketch	Machine	Topic	Part number
1	CLAAS AXION 900 Stage IV - AXION 800 Stage IV & Tier 4F - ARION 600 - 500 - 400 Stage IV	Updating the tractor software and configuring the tractor	
2	CLAAS AXION 900 Stage IV - AXION 800 Stage IV & Tier 4F - ARION 600 - 500 - 400 Stage IV	Adding a payment-free after-sales option	
3	CLAAS AXION 900 Stage IV - AXION 800 Stage IV & Tier 4F - ARION 600 - 500 - 400 Stage IV	Adding a paying after-sales option	

Updating the tractor software and configuring the
tractor

Figure: 1.1

This procedure updates the software and configures an MR tractor using CDS.

Description of the configuration:

I. Changes made in CDS

II. Using the new features in CDS

- Your CDS tool must be updated to at least the following versions:

- **2.2.51 AXION 9x0**
- **2.2.65 AXION 8x0**
- **2.2.67 ARION 5-6x0**
- **2.2.41 ARION 4x0**

I. Changes made in CDS:

The following changes have been made from the above versions of CDS:

- Programming: this function is available in the "**Download**" menu, as before. Now, most modules are programmed via the "**All modules**" option **only**, except the **A015 ECM**, the **A167 PCU** and **A190 GPI** guidance modules and **A064 TSM** TELEMATICS module.

Updating the tractor software and configuring the tractor

- Configuration: this function runs automatically after all the tractor's modules have been updated.

The current known tractor configuration in Service Online is sent to the "**LMT Database**" server daily. The configuration is then transferred in "**LMT Client**" in the computer to be stored and used by the CDS tool.

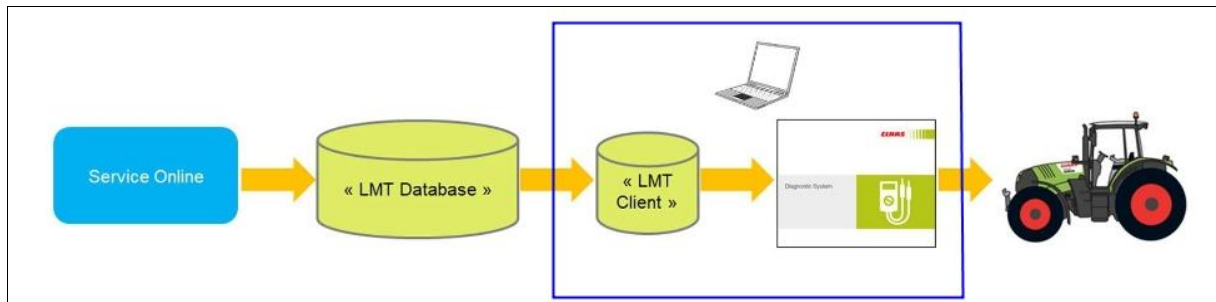
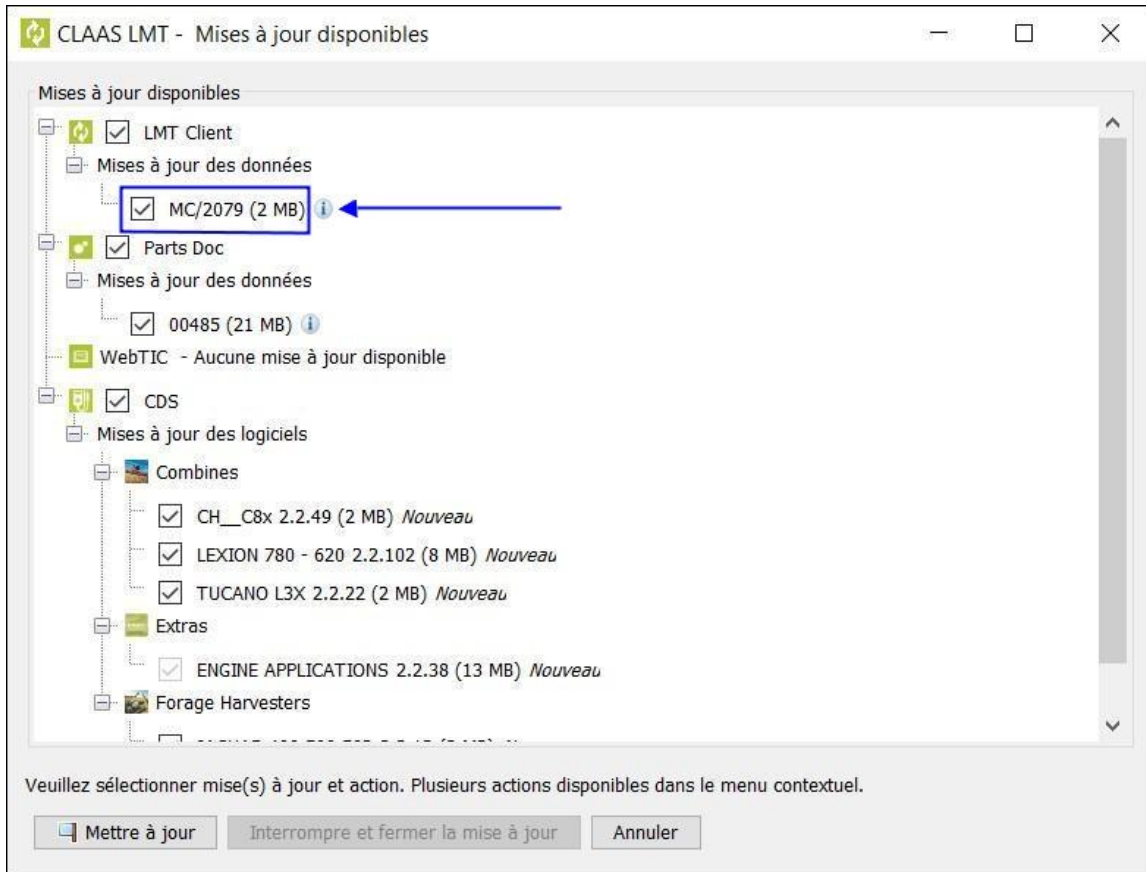


Figure: 1.2

Updating the tractor software and configuring the tractor**Updating "LMT Client":**

- It is important that you select "**LMT Client**" when updating via "**LMT Update Manager**" so that the tractor configurations are integrated into CDS via the "**MC/...**" updates.

**Figure: 1.3**

- Configuring the tyres:

This menu is no longer included in the configuration. It is to be used if a tractor's tyre sizes are changed.

NB: see section II. below for further details.

Updating the tractor software and configuring the tractor

- Other new feature in CDS: in demo mode, you can now view a tractor's configuration from its serial number.

NB: the configuration that is displayed will therefore be the same as the tractor's configuration in Service Online.

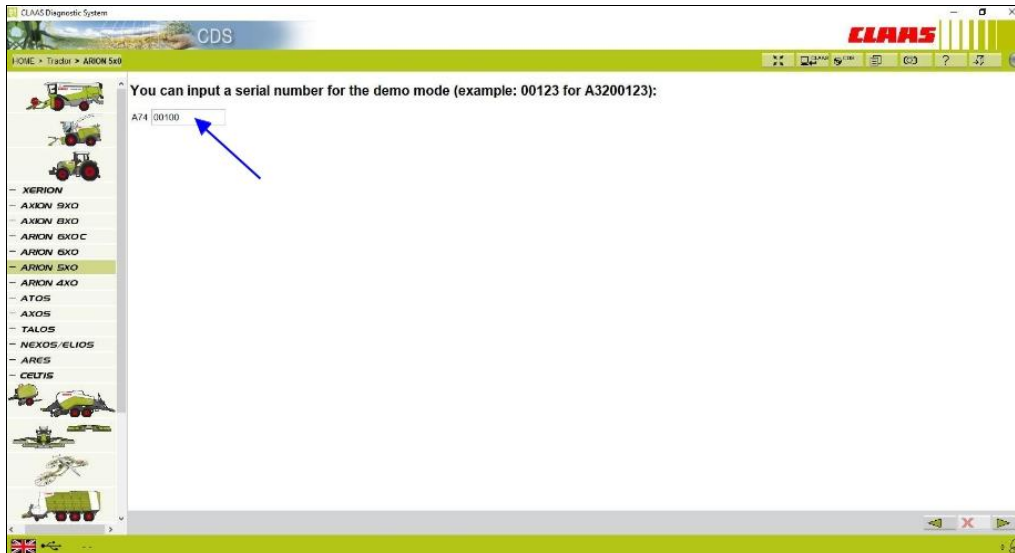


Figure: 1.4

II. Using the new features in CDS:

- **Before starting:**
 - Park the tractor in a solid, level area.
 - Apply the handbrake.

Updating the tractor software and configuring the tractor

- **Programming and configuring the tractor:**

- Connect CDS to the tractor in the usual way. Select "LIVE > AXION 9x0 or AXION 8x0 or ARION 6x0 or 5x0 or 4x0" and establish the connection.

Select "Download > All modules" and follow the instructions in CDS.



Figure: 1.5

Updating the tractor software and configuring the tractor

- You may have to select the tyre sizes the first time the module programming procedure ends. They will then be saved in the tractor.

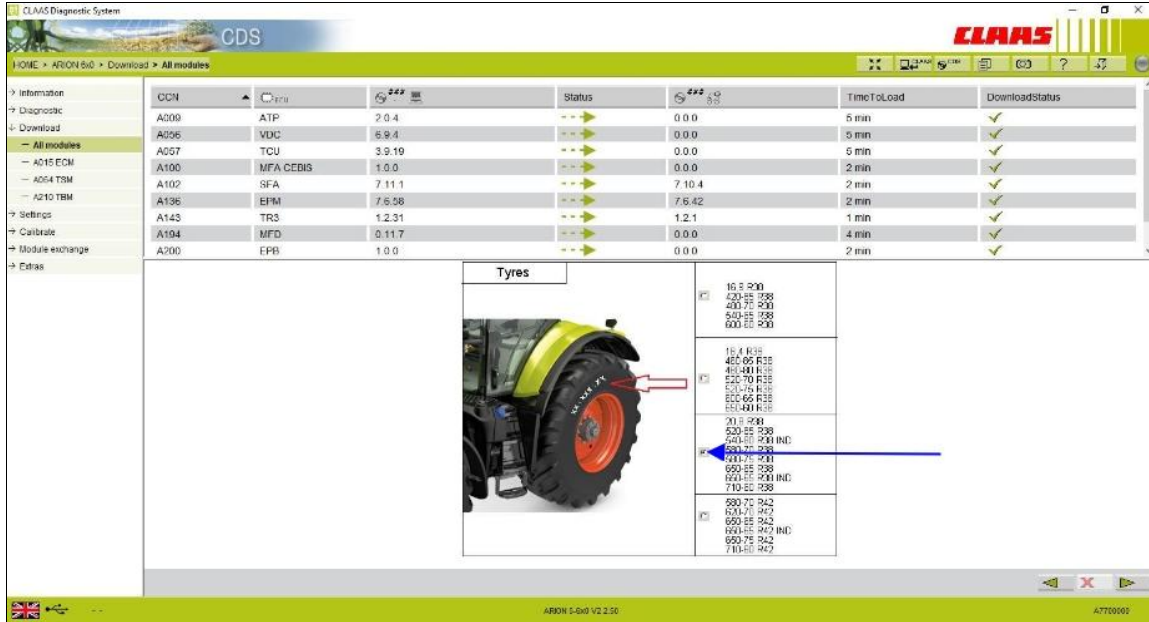


Figure: 1.6

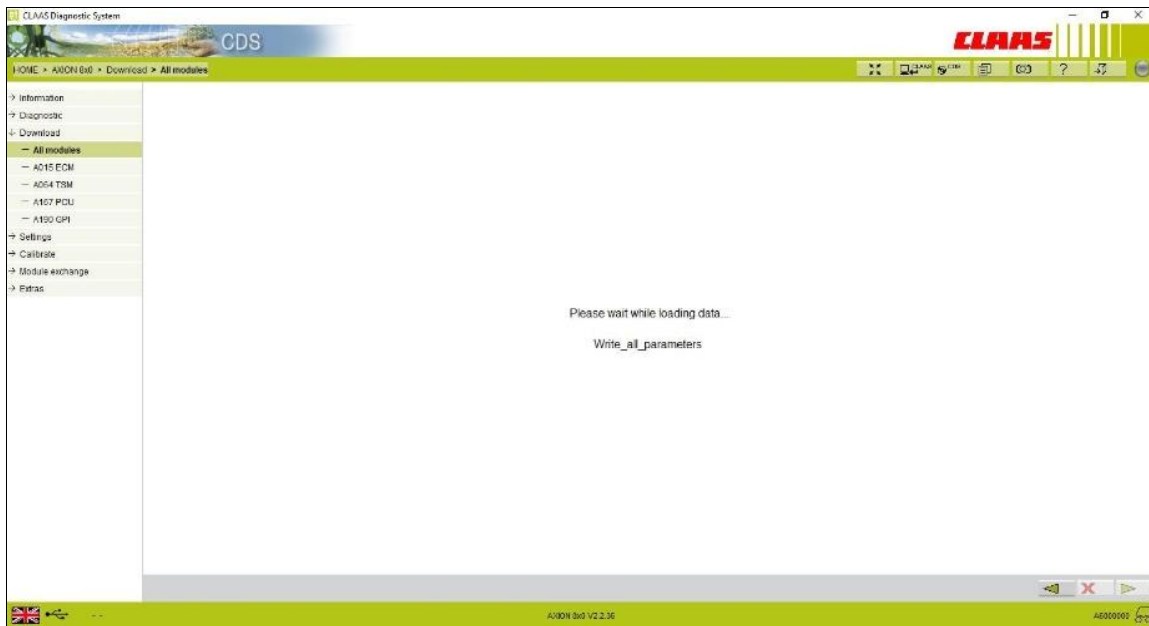


Figure: 1.7

- Follow the instructions in CDS to finish the configuration.

NB: a Backup will be created automatically when configuration is complete.

Updating the tractor software and configuring the tractor

- When configuration is complete, a compatibility report is displayed to show that the programming and configuration have been carried out. The compatibility report lets you check whether the tractor software and settings have been installed correctly, and compares the versions it has found with the versions specified by CDS.

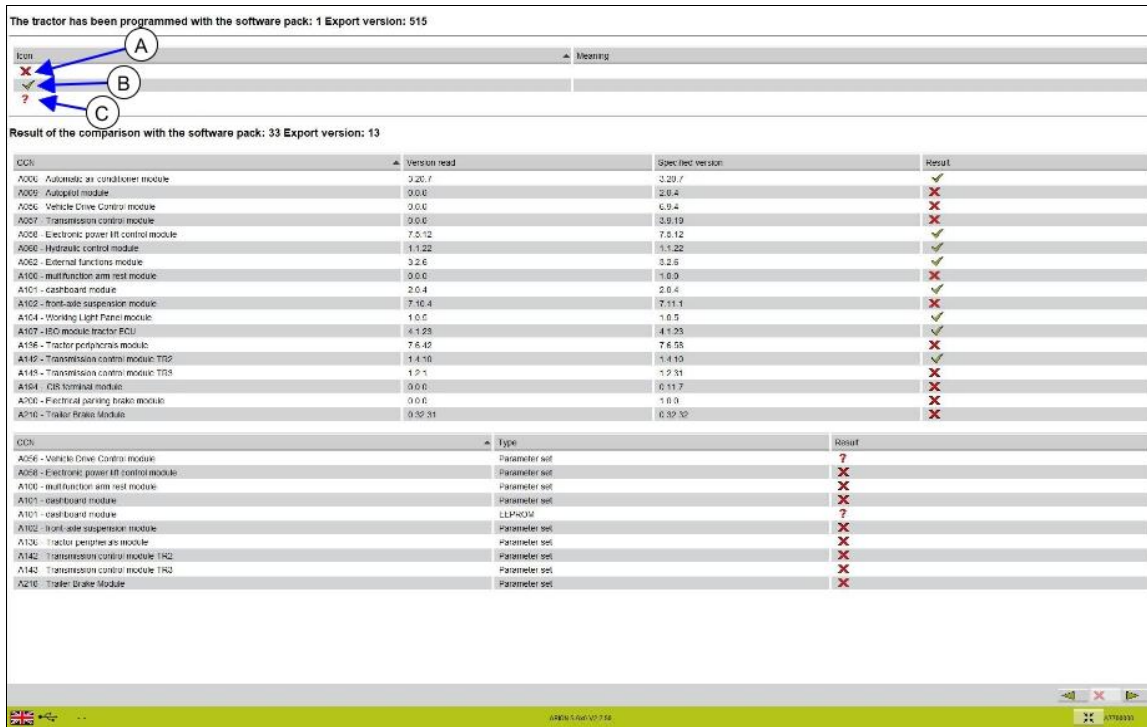


Figure: 1.8

Key:

A: Does not conform

B: Conforms

C: Comparison not possible for this software or setting

NB: CDS may indicate that not all the software and settings of the earliest tractors conform, but the tractor operates properly anyway. Further changes will be made when new software packs are available to optimize operation. A bulletin will be issued at a later date to explain which actions to take in response to compatibility results X (A) and ? (C).

NB: the compatibility report is also included in the **Machine Report**.

Updating the tractor software and configuring the tractor

- **Changing the tyre size:**

- The "**Settings > Parametrization > Tyres**" menu is only to be used if the tractor's tyre size is changed.

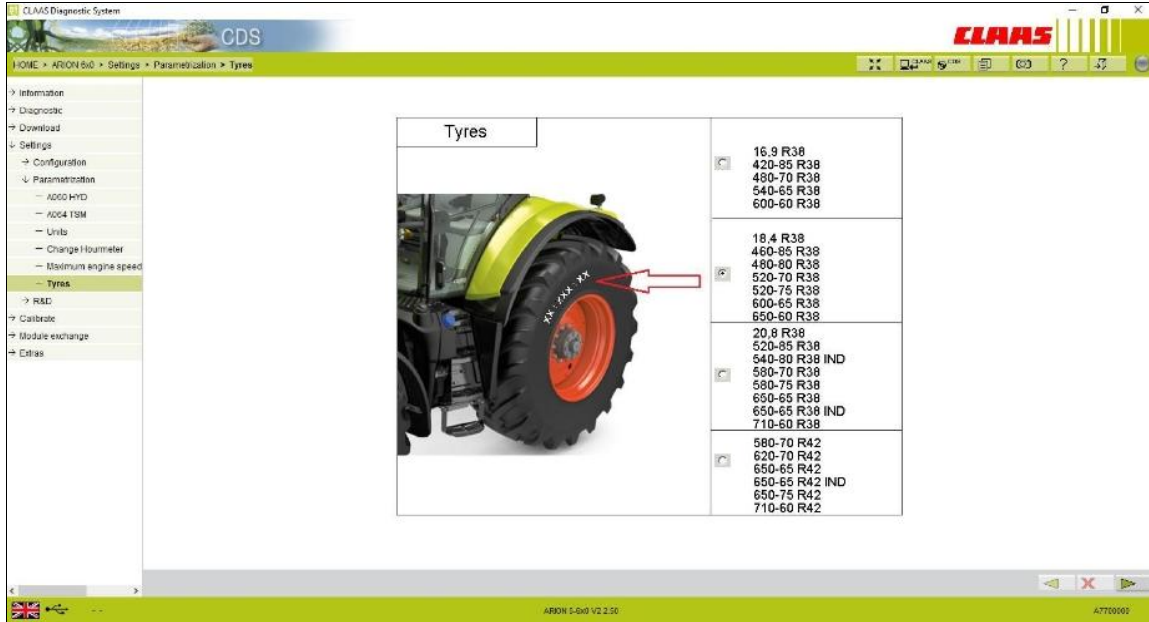
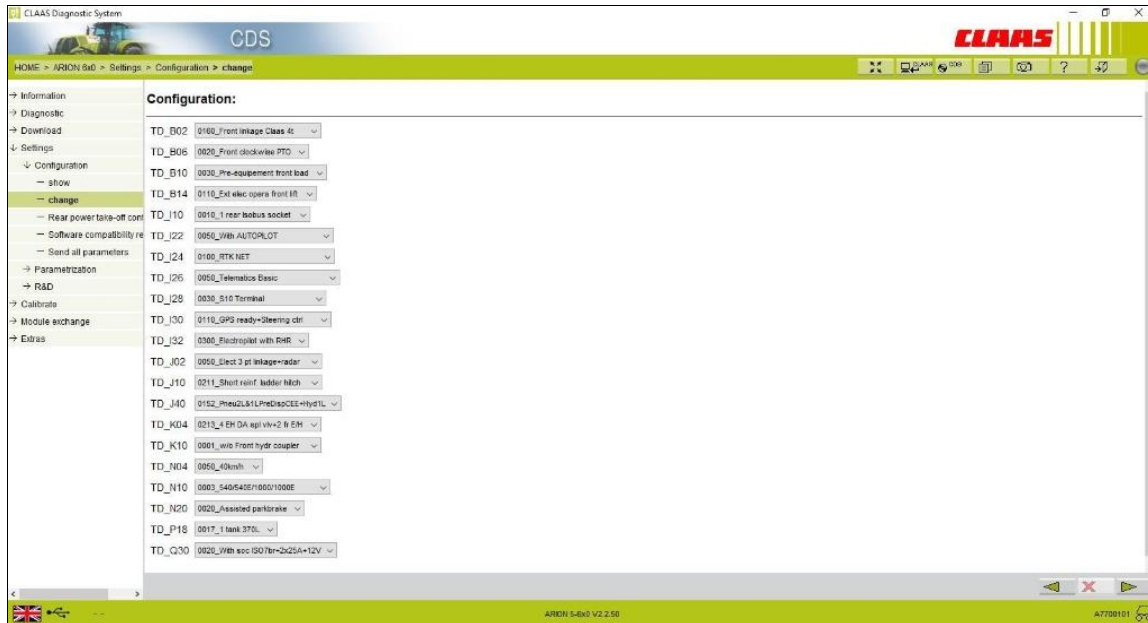


Figure: 1.9

NB: this setting does not need to be entered after each configuration.

Adding a payment-free after-sales option**Figure: 2.1**

This procedure changes the tractor configuration using CDS after a payment-free after-sales option has been added.

Adding a payment-free after-sales option**Figure: 2.2****Before starting:**

- Park the tractor in a solid, level area.
- Apply the handbrake.

Adding a payment-free option:

- Connect CDS to the tractor in the usual way. Select "**LIVE > AXION 9x0 or AXION 8x0 or ARION 6x0 or 5x0 or 4x0**" and establish the connection.
- Select "**Settings > Configuration > Change**" and change the option added to the tractor.

NB: from now on, only modifiable, payment-free options are shown in CDS, which means a lot fewer option lines. Non-modifiable options (transmission, front axle, CEBIS, etc) have been removed. Paying options have also been removed and are to be configured as explained in procedure no. 3.

NB: this menu is **only** to be used when installing an option. The software then has to be updated and the modules configured in order for the tractor to include the change. This change to the option is saved in the tractor, so there is no need to use this menu for future updates - follow the instructions in procedure no. 1.

Adding a payment-free after-sales option

NB: there is an exception with the choice of maximum speed "N04", whereby the speed can simply be reduced from the speed configured in Service Online.

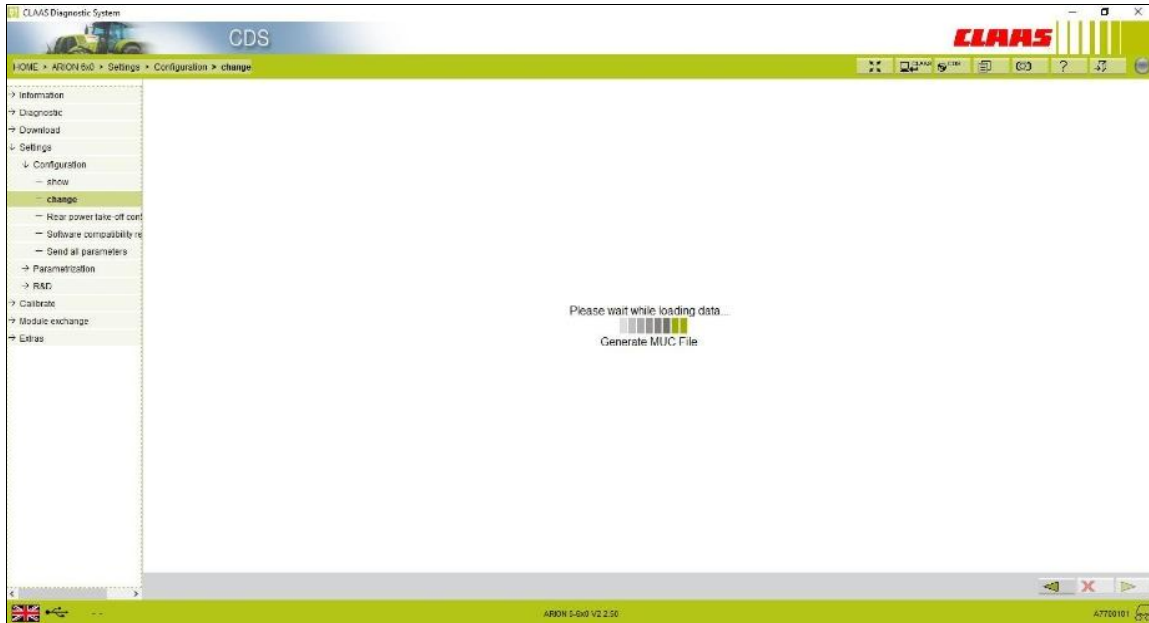


Figure: 2.3

- After the configuration has been changed, CDS will run the programming and configuration functions automatically to finish adding the new option.

NB: follow the instructions in CDS and procedure no. 1 to perform the programming and configuration processes.

Adding a paying after-sales option**Figure: 3.1**

This procedure adds a paying after-sales option.

Adding a paying after-sales option

Adding a paying option:

- Order the option through Parts Online in the usual way.

Important: the option is added to the tractor configuration in "**LMT Database**" one working day after the order. The option will be visible in Service Online.

- Update "**LMT Client**" via "**MC/...**" to retrieve the new tractor configuration with the option added. The option will also be visible in the CLAAS after-sales documents.

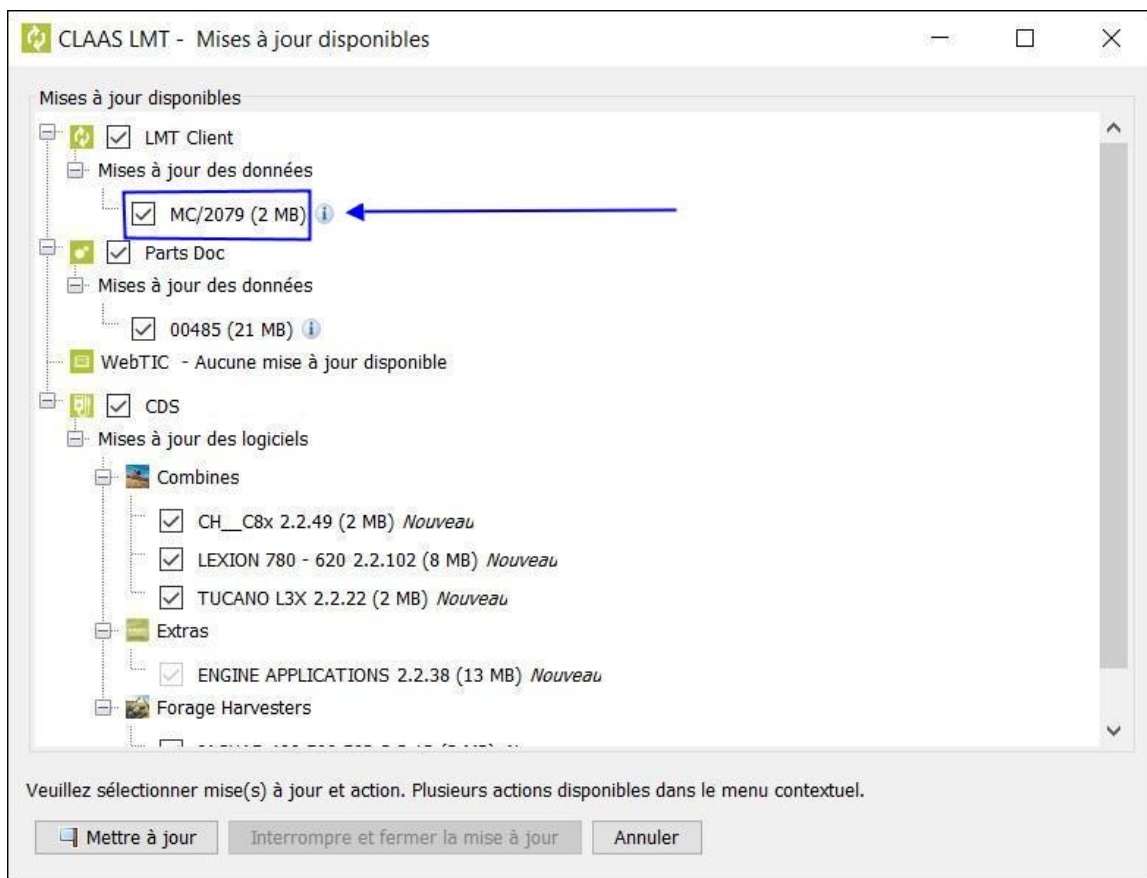


Figure: 3.2

- To add the option, next programme and configure the tractor as explained in procedure no. 1.

NB: by going to "**Settings > Configuration > Show**" in CDS **DEMO** mode, you can see the current known configuration in "**LMT Client**". This lets you check that the option has been added before you update the tractor in **LIVE** mode.