

Technical information

TI No.: 82.10M08198C **Distribution list:** D **Distribution date:** 23.06.2014

Valid until:

The point of contact is the EvoBus after-sales service in each country

Model: CC 400;CC 500;Citaro C2 Step 1;Citaro C2 Step 2;DT 400;TC 400;TC 400 Facelift;TC 500;Travego (NCI) model revision;Travego Euro VI

MODEL SERIES: 410002; 410130; 410140; 410210; 410230; 410240; 410250; 628031; 628032; 628033; 628034; 628037; 628038; 628052; 628054; 628231; 628232; 628233; 628237; 628238; 628252; 628254; 628403; 628454; 628503; 628504; 628513; 628523; 629540; 629557; 629610; 629612; 629623; 629625; 629627; 632121; 632125; 632131; 632133; 632134; 632138; 632139; 632245; 632246; 632247; 632285; 632287; 632400; 632430; 632450

TITLE: **Thermal overload of control unit for front fog lamps/cornering lights**

Replaces: 82.10M08198B

Reason:

Part number changed, standard working time for Citaro added, new defect code assigned and operation description revised.

COMPLAINT

Thermal overload of control unit for front fog lamps/cornering lights

CAUSE

Unfavourable design of electronic circuitry.

REMEDY

Control unit to be exchanged.

MEASURE TYPE

The scope of the work is carried out on the vehicles concerned as part of a safety recall. A description of how to proceed can be found in the KOMMIT system.

INFORMATION

For the S 407 CC USA (BM 629.540), the control unit exchange must also be accompanied by an FPS download.



In vehicles with rain and light sensor, the cornering lights switch on only in darkness, cover the rain and light sensor if necessary.

DEFECT PART HANDLING

For workshops in which parts control is carried out via GALA, the GALA specifications are binding. For workshops in which parts control is not carried out via GALA, the removed defect parts must be sent to the delivery address below. For workshops outside Germany in which parts control is not carried out via GALA, the removed defect parts must be sent to the respective national organisation for forwarding to the delivery address below.

EvoBus GmbH
Befundzentrum Werk 4
Abladestelle 960
Otto-Hahn-Str. 8
89231 Neu-Ulm, Germany

REPLACEMENT PARTS REQUIRED

Qty.	Designation	Number	Comment
1	Front fog lamps/cornering lights control unit	A 006 820 37 26 05	

OPERATION TEXTS

Operation no.	Operation text	Working time/h	Comment
02-5727	Replace control unit for front fog lamps/cornering lights with a new one	0.2	all except Citaro
02-5727	Replace control unit for front fog lamps/cornering lights with a new one	0.4	Citaro
02-8410	Perform an FPS control unit download	0.8	only S 407 CC USA (BM 629.540)

The times apply for work at an hourly rate.

DEFECT NUMBER

Defect no.: Designation
8294065

CODEWORD

1405O82M08

INTRODUCTION OF MODIFICATIONS INTO SERIES PRODUCTION

01.06.2014

WARRANTY AND GOODWILL SETTLEMENTS

Field measure type Recall: 100 % of costs will be accepted

BUS/MAT

pp.

Dr. Martina Zellmer-Bjick

BUS/MAC

pp.

Johannes Lehmann

Attachments

Exchanging the front fog lamps/cornering lights control unit

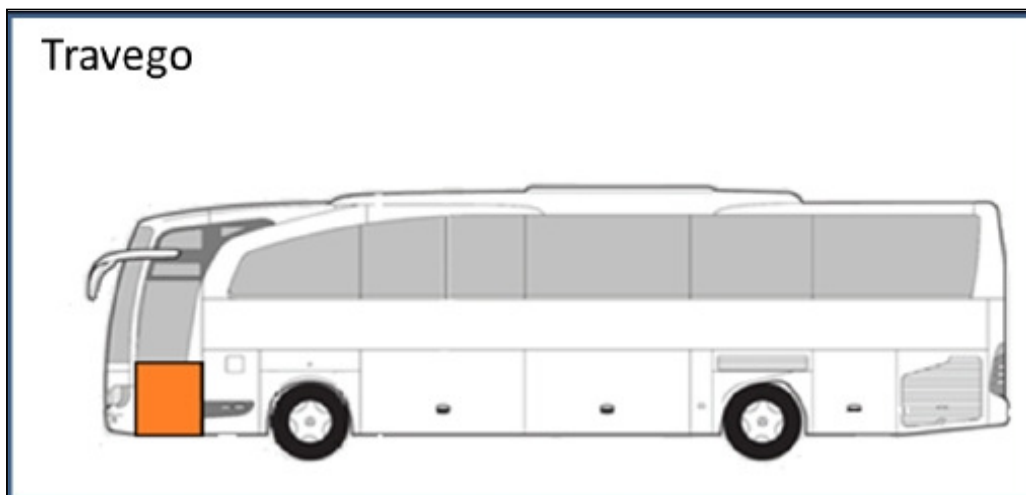
1. [Citaro 2](#)
2. [Travego, CC 400, TC 400, S 417 TC USA](#)
3. [S 407 CC USA](#)
4. [S 431 DT Euro VI](#)
5. [CC 500, TC 500](#)

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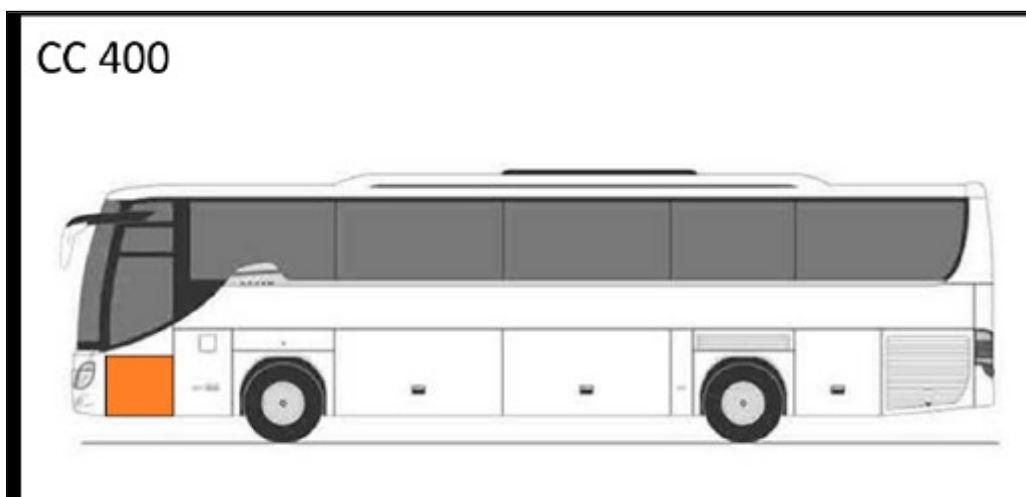
Travego, CC 400, TC 400, S 417 TC USA

Procedure



M82.10-0036-80

1. Installation location of main switch panel in Travego



M82.10-0038-80

2. Installation location of main switch panel in CC 400

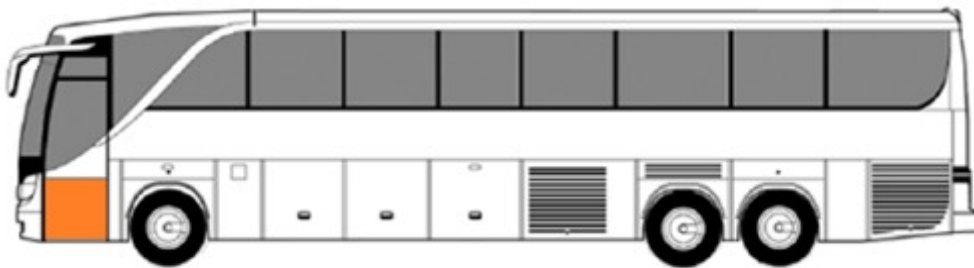
TC 400



M82.10-0037-80

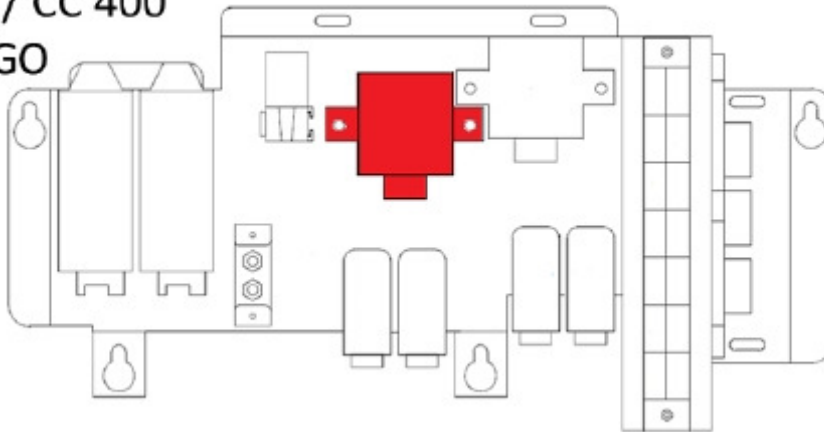
3. Installation location of main switch panel in TC 400

S 417 TC USA



M82.10-0051-80

4. Installation location of main switch panel in S 417 TC USA

TC 400 / CC 400
TRAVEGO

M82.10-0039-80

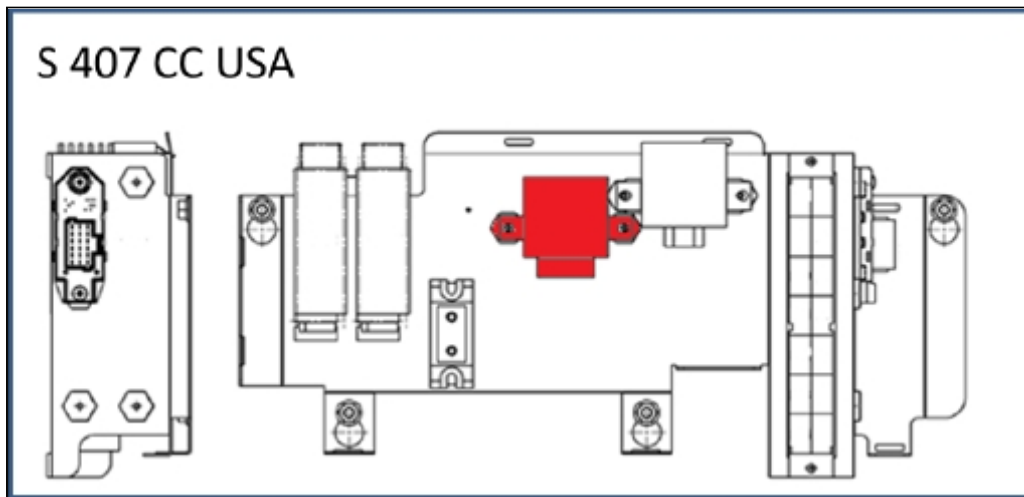
5. Installation location of main switch panel in Travego, CC 400, TC 400 and S 417 TC USA

Finishing tasks

- ▶ Updating vehicle documentation in the "VeDoc" system and updating bus-specific electrical data

S 407 CC USA

Procedure



M82.10-0053-80

1. Arrangement of main switch panel in S 407 CC USA
2. An FPS download is additionally required.

i Note

Function chart A 000 445 65 13

3. [Online ordering/downloading in STAR Diagnosis](#)
4. [FPS download procedure](#)

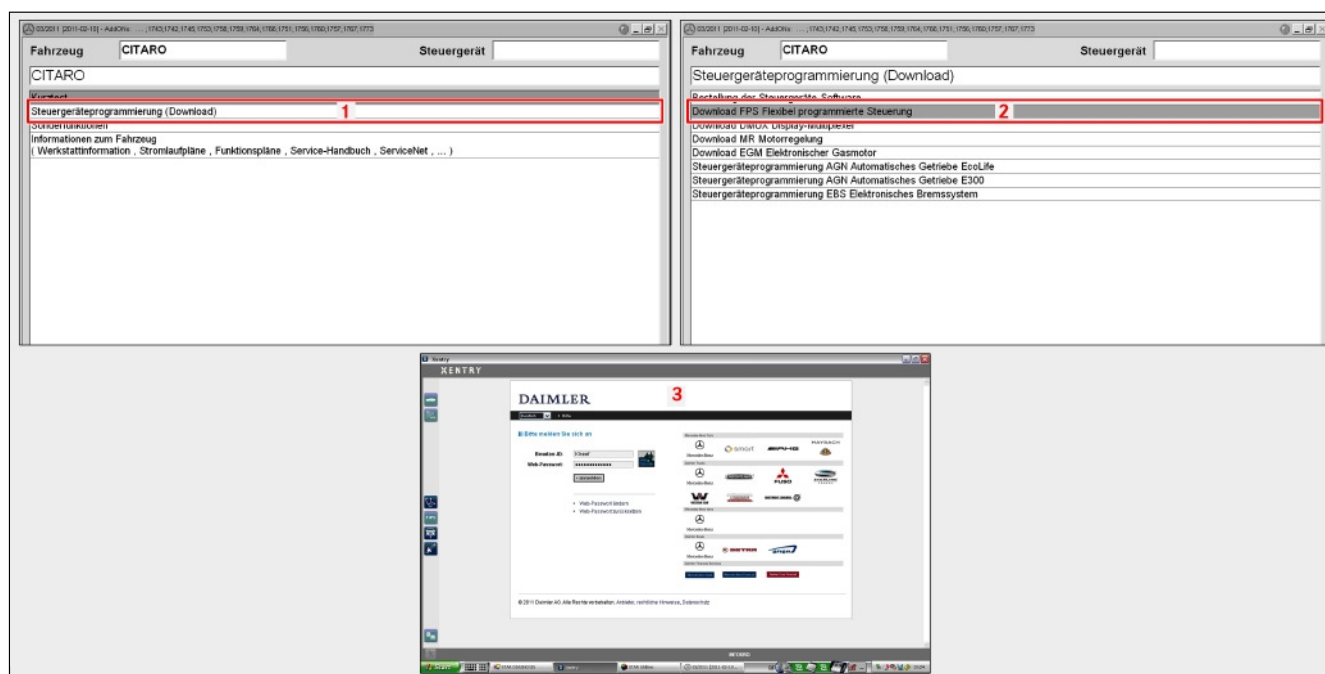
Finishing tasks

- [Updating vehicle documentation in the "VeDoc" system and updating bus-specific electrical data](#)

Online ordering/downloading in STAR Diagnosis

- Login for online ordering/downloading
- Requesting software for latest control unit version
- Requesting software for new control unit version
- Requesting software for field solution
- Status query for ready-prepared control unit software

Login for online ordering/downloading



- ▶ Select "Steuergeräteprogrammierung (Download)" (Control unit programming (download)) **(1)**.
- ▶ Select the option to download control unit software **(2)**.
- ▶ Enter your user ID and Web password **(3)**. (Use your Daimler WEB login password.)

i Note

The password must be entered within 90 seconds.

Requesting software for latest control unit version

Screenshot 1 (Top Left): Menu selection screen. The option "Software-Anforderung für aktuelle Steuergeräteversion" is highlighted with a red box and labeled **1**.

Screenshot 2 (Top Right): Input screen for VIN. The VIN "WEB628310602165" is entered in the field labeled "Bitte FIN eingeben (A-Z, 0-9)" and is highlighted with a red box and labeled **2**.

Screenshot 3 (Bottom Left): Confirmation screen for user data. The "FPS" field is marked with an "X" and highlighted with a red box and labeled **3**.

Screenshot 4 (Bottom Right): Selection screen for an alternative contact partner. The option "Keine Auswahl" is highlighted with a red box and labeled **4**.

M54.21-0022-79

- ▶ Select "Software-Anforderung für aktuelle Steuergeräteversion" (Request software for latest control unit version) **(1)**.
- ▶ Enter the vehicle identification number (VIN) **(2)**.
- ▶ Highlight the line and confirm with F3. The line is then labelled with an X **(3)**.
- ▶ Confirm user data with F2 or press F8 to make changes. Select an alternative contact using field **(4)** (only if necessary).
- ▶ Press F2 to continue. The data are downloaded to STAR Diagnosis.

Requesting software for new control unit version

Screenshot 1 (Top Left): Menu selection screen. The option "Software-Anforderung für neue Steuergeräteversion" is highlighted with a red box and labeled **1**.

Screenshot 2 (Top Right): Input screen for VIN. The VIN "WEB62805013110151" is entered in the field labeled "Bitte FIN eingeben (A-Z, 0-9)" and is highlighted with a red box and labeled **2**.

Screenshot 3 (Bottom Left): Confirmation screen for user data. The "MTS" field is marked with an "X" and highlighted with a red box and labeled **3**.

Screenshot 4 (Bottom Right): Selection screen for an alternative contact partner. The option "Keine Auswahl" is highlighted with a red box and labeled **4**.

▶

Select "Software-Anforderung für neue Steuergeräteversion" (Request software for new control unit version) **(1)**.

- Enter the vehicle identification number (VIN) **(2)**.
- Press F2 to request the documented vehicle data **(3)**.
- Highlight the line and confirm with F3. The line is then labelled with an X **(4)**.
- Press F2 to continue. The system is searched for all matching versions and these are displayed in the next window.

The screenshots show the following steps in the CITARO software interface:

- Screenshot 1:** The 'Software-Anforderung für neue Steuergeräteversion' screen. The 'Fahrzeug' field is set to 'CITARO'. The 'Steuergerät' field is empty. The 'Hardware' section shows 'Telauftrag: PAR', 'Steuergerätekurzzeichen: MTS', and 'MB-Sachnummer (alt): A0004481932'. The 'MB-Sachnummer (neu)' field is highlighted with a red box and labeled with a red '1'.
- Screenshot 2:** The 'Benutzerdaten' screen. The 'Fahrzeug' field is set to 'CITARO'. The 'Steuergerät' field is empty. The 'Benutzerdaten' section shows 'Name: Klaus Neef', 'Telefon: 0493217403234', 'E-Mail-Adresse: Klaus.Neef@denker.com', and 'Betriebsnummer:'. The 'Gespeicherte alternative Ansprechpartner' field is highlighted with a red box and labeled with a red '2'.
- Screenshot 3:** The 'Statusabfrage für Ticket-Nummer: 20110406045593' screen. The 'Fahrzeug' field is set to 'CITARO'. The 'Steuergerät' field is empty. The 'Statusabfrage' section shows a table with columns 'Ticket-Nummer', 'Status', 'Ticket-Nummer', and 'Ticket-Status'. The first row is highlighted with a red box and labeled with a red '3'.
- Screenshot 4:** The 'Angebot für Software-Änderung (Ticket-Nummer 20110406045593)' screen. The 'Fahrzeug' field is set to 'CITARO'. The 'Steuergerät' field is empty. The 'Angebot' section shows 'Gesamtkosten für Software-Änderung: 108.50 EUR' and 'Wollen Sie das Angebot annehmen?'. The 'Angebot' section is highlighted with a red box and labeled with a red '4'.

M54.21-0024-79

- Field **(1)** contains at least one control unit number for the exchange variant.

i Note

If none of the variants in the list is what you want, you can type in the number manually.

- Confirm user data with F3 or press F8 to make changes.

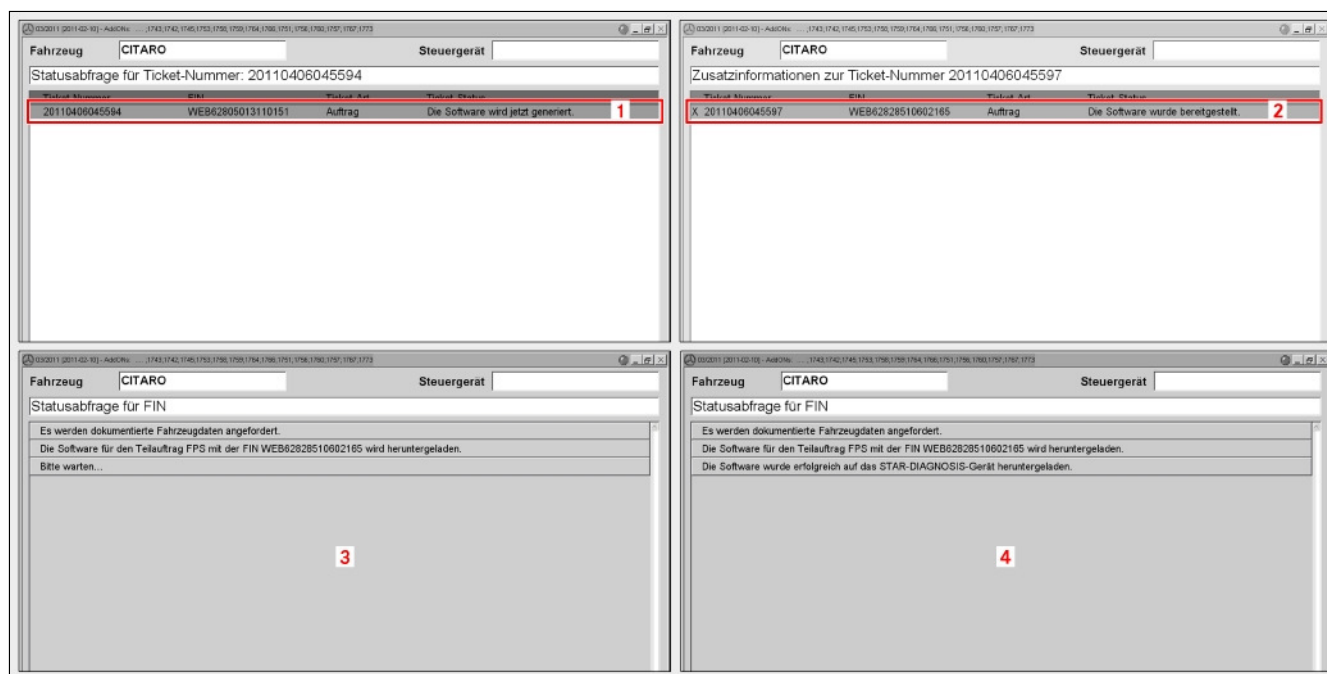
i Note

An internal order number (2) can also be entered if you wish to create a link to a workshop repair order.

- The details are now available **(3)**. View quote with F7.
- Check the details again and confirm with F3, accept the quote **(4)**.

i Note

As soon as you accept with Yes, the order is binding and can no longer be corrected.



M54.21-0025-79

- The software generation process begins **(1)**.

i Note

It may take some time for the software to be generated.

i Note

STAR Diagnosis can now be used for other tasks in the meantime.

i Note

The ticket number shown with the quote is replaced by a new ticket number.

- When you see the message that the software has been prepared **(2)**, the software can be downloaded to STAR Diagnosis.
- The software download process begins **(3)**.
- As soon as the finished message is displayed **(4)**, the data can be written to the vehicle.

Requesting software for field solution

The left screenshot shows the CITARO software interface with the menu 'Software-Anforderung für Feldlösung' highlighted. The right screenshot shows the data entry form with the following fields: FIN: WEB62828510602165, Technikinfo: 54.21U06448A, Schadensschlüssel: 540202T. The 'JA' button is marked with '3' and the 'F3' button is marked with '4'.

M54.21-0026-79

- ▶ Select "Software-Anforderung für Feldlösung" (Request software for field solution) **(1)**.

Note

This item is relevant only to Technical Information jobs.

- ▶ Enter the vehicle identification number (VIN).
- ▶ Enter the data from Technical Information **(2)** (TI, defect code, codeword).
- ▶ Confirm user data with F3 **(3)** or press F8 to make changes.
- ▶ Check the data again and confirm with F3 **(4)**.

The four screenshots show the process of requesting software. The first screenshot shows the 'Statusabfrage' for Ticket-Nummer 20110406045595. The second screenshot shows the 'Angebot für Software-Änderung' with the total cost of 63.00 EUR and the 'JA' button marked with '2'. The third screenshot shows the 'Statusabfrage für Ticket-Nummer: 20110406045597' with the 'JA' button marked with '3'. The fourth screenshot shows the 'Statusabfrage für Ticket-Nummer: 0020110406045597' with the 'JA' button marked with '4'.

M54.21-0027-79

- ▶ The details are now available **(1)**. View quote with F7.
- ▶ Check the details again and confirm with F3, accept the quote **(2)**.

i Note

As soon as you accept with Yes, the order is binding and can no longer be corrected.

- The software generation process begins **(3)**.

i Note

It may take some time for the software to be generated.

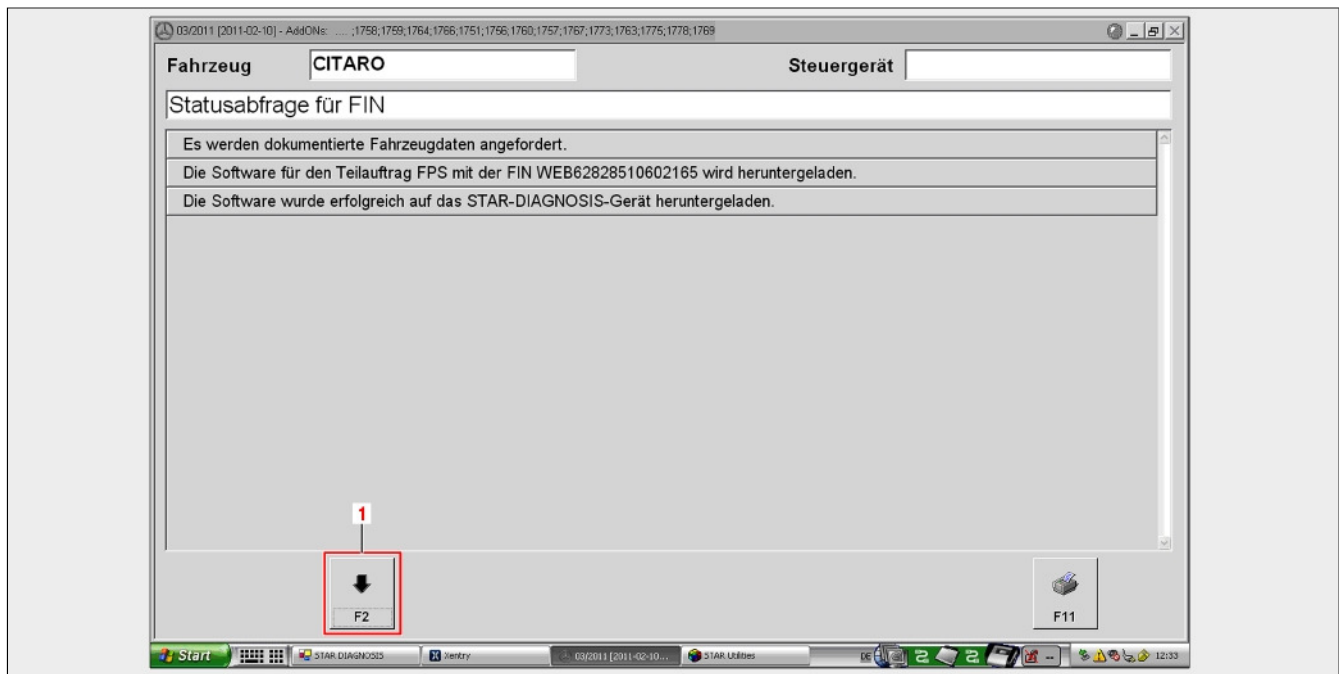
i Note

STAR Diagnosis can now be used for other tasks in the meantime.

i Note

The ticket number shown with the quote is replaced by the new ticket number for the order.

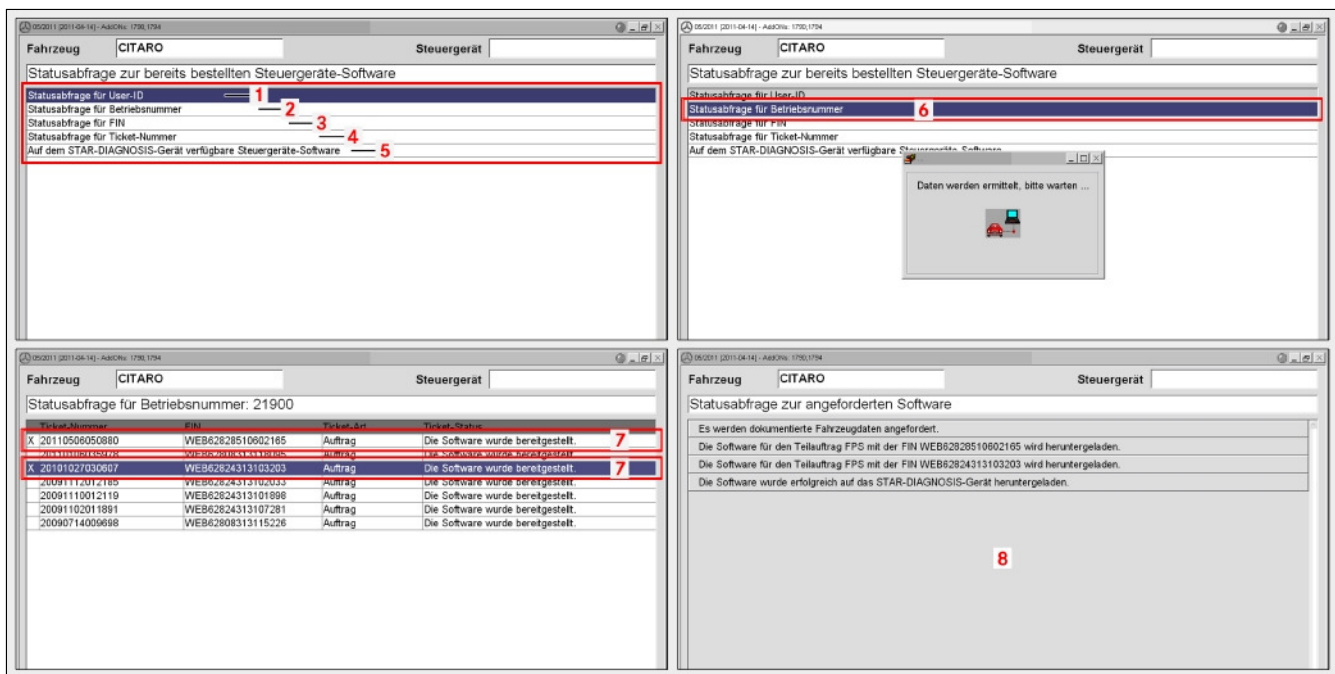
- When you see the message that the software has been prepared **(4)**, the software can be downloaded to STAR Diagnosis.



M54.21-0028-79

- As soon as the finished message is displayed **(1)**, the data can be written to the vehicle.

Status query for ready-prepared control unit software



M54.21-0029-79

- Statusabfrage für User-Id (Status query for user ID) **(1)** Own user ID request.
- Statusabfrage für Betriebsnummer (Status query for dealership number) **(2)**. All incomplete transactions for the dealership are displayed.
- Statusabfrage für FIN (Status query for VIN) **(3)**. All incomplete transactions for the vehicle identification number are displayed.
- Status query for ticket number **(4)**. Only one entry per known ticket number.
- All software available **(5)** on the STAR Diagnosis tester is displayed.
- Example of a status query for dealership number **(6)**.
- All tickets are now displayed for the dealership number and can be selected with **(7)** F3 and downloaded with F2.
- As soon as the finished message is displayed **(8)**, the data can be written to the vehicle.

FPS download procedure

Note

An FPS download is required only in the event of a system retrofit or program modification. An FPS download cannot be used to repair a defective system.

Prerequisites for the FPS download

1. The batteries must be charged, the battery voltage must not fall below 24 volts during the download.
2. The power supply, pinning (coding), the system CAN lines of the FPS modules and the power supply of the download socket must be present and in correct state.
3. During the download, there must be no battery charger connected to the vehicle and no activities should take place (e.g. opening of flaps, switch operation).
4. All the FPS modules required for the FPS system are fitted in the vehicle and the bus-specific programming files are available.

Download procedure

5. Make the connection between STAR Diagnosis and the vehicle at the 9-pin download socket (05X02).

Required material

[Cable for FPS download](#)

W 628 589 02 63 00

[Cable for FPS and DMUX download with Multiplexer SDconnect](#)

W 400 589 04 63 00

6. Switch off the workshop switch (01S01) and switch it back on.
7. Switch the ignition starter switch to position II (refer to the Operating Instructions).

Note

"Timeout CAN RX", "STOP Systemausfall" (system failure) or "IT CAN Timeout" appear on the display screen when the FPS

system is in download mode.

8. After the vehicle data have been acquired, the download can be started. The vehicle data are preferably acquired by downloading online.

 Note

Since January 2012, it has no longer been possible to import data into the vehicle using a bus CD.