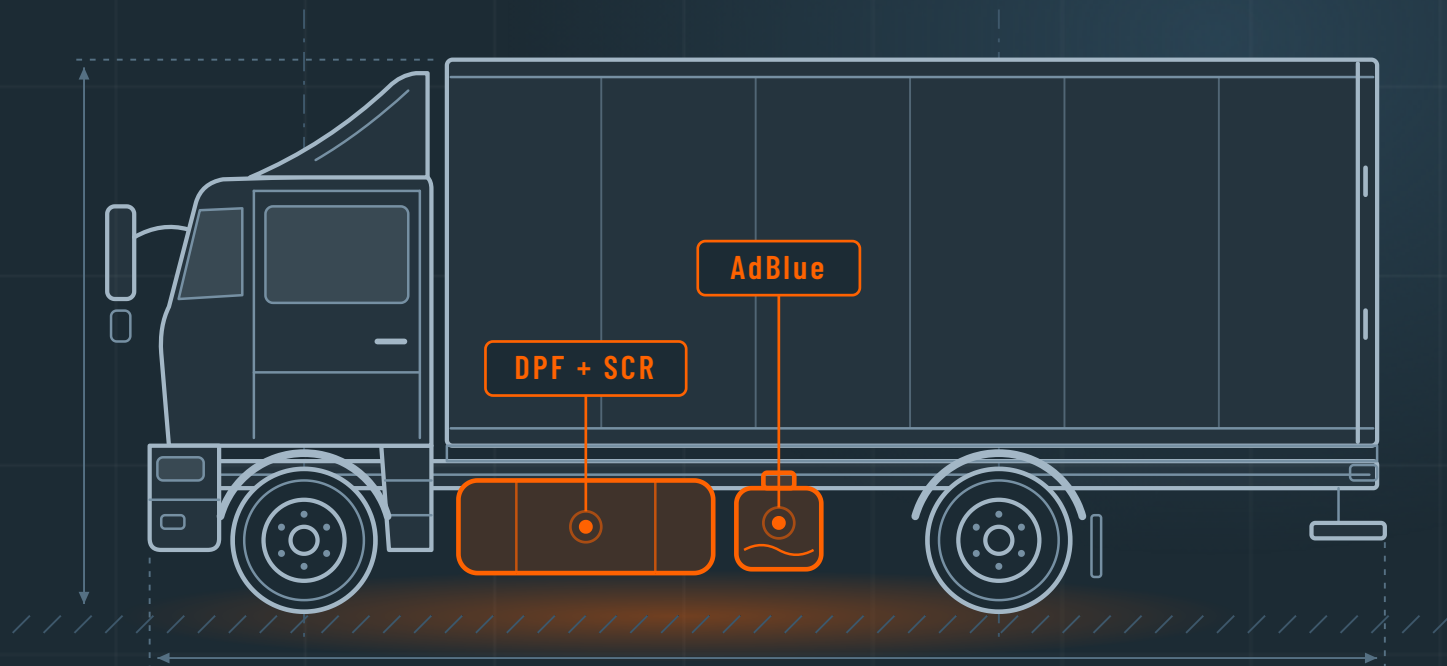




AdBlue SCR + DPF EMULATOR

Iveco Eurocargo

MD1CE101 • Euro 6.2

MAKE

Iveco

EMISSION STANDARD

Euro 6.2

MODEL

Eurocargo

EMULATION

AdBlue SCR + DPF

ENGINE ECU

MD1CE101

CONNECTION POINT

BHC6COM (E) • Pin 5 / 6

IN THIS GUIDE

01**Overview & preparation**

Page 2

02**Unplug the connectors**

Page 3

03**Connect the emulator**

Page 4

04**Check & support**

Page 5

WEB
hedefemulator.comPHONE
+90 850 346 58 18WHATSAPP SUPPORT • 24/7
+90 507 687 18 40EMAIL
info@hedefemulator.com

OVERVIEW

1 — 2 — 3



Preparing for installation

This guide explains, step by step, how to install the Hedef Emulator AdBlue SCR + DPF emulator on Iveco Eurocargo vehicles (MD1CE101, Euro 6.2). Installation takes 3 steps; each step is shown on its own page with photos and technical drawings.

Installation in 3 steps

1



Unplug the connectors

Unplug 5 sensor and pump connectors on the vehicle side.

→ Page 3

>

2



Connect the emulator

Splice the yellow and green wires into pins 6 and 5 of the BHC6COM (E) connector.

→ Page 4

>

3



Check

Confirm that no active faults remain on the instrument cluster.

→ Page 5

QUICK REFERENCE CARD

Connectors to unplug

1	AdBlue pump connector	SCR
2	AdBlue level sensor connector	SCR
3	Outlet NOx sensor connector	SCR
4	DPF differential pressure sensor connector	DPF
5	PM sensor connector	DPF

Emulator wiring · BHC6COM (E)

EMULATOR WIRE	BHC6COM (E)	VEHICLE WIRE	REF. NO.
Yellow	→ Pin 6	White	954399
Green	→ Pin 5	Yellow	954400

⚠ Colors do not match — always follow this table.

Before you start

- Switch off the ignition and remove the key.
- Do not cut vehicle wires; solder the splices and insulate them with tape.
- Seal unplugged connectors against water and dirt and secure them.
- Tick the matching check box after each step.

Required materials

- ✓ Hedef Emulator AdBlue SCR + DPF emulator
- ✓ Soldering iron and solder wire
- ✓ Insulating tape
- ✓ Wire stripper
- ✓ Plastic cable ties
- ✓ Diagnostic tool (to clear stored fault codes)

IMPORTANT NOTICE

This product is designed for off-road use, motorsport, testing and service purposes, or for use in regions where emission regulations permit it. The user is responsible for ensuring that its use complies with applicable local laws. Installation should only be carried out by technicians experienced in vehicle electrical systems. Iveco and Eurocargo are trademarks of their respective owners and are used solely to indicate vehicle compatibility.

STEP

1

STEP 1 / 3

Unplug the connectors

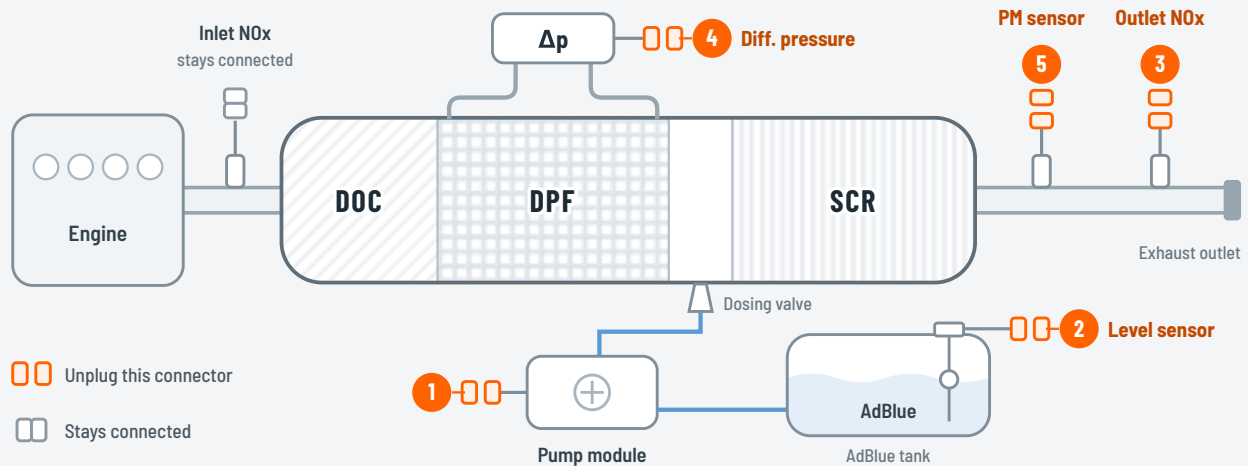
The 5 connectors below must be unplugged on the vehicle side. If any of them stays connected, fault warnings may persist.

1

2

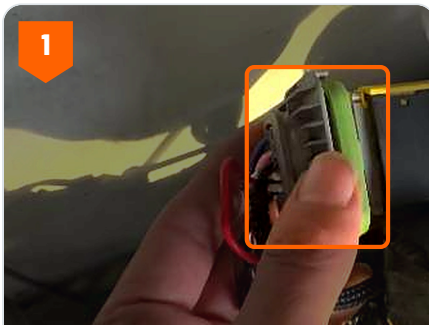
3

1.1 System diagram – where the connectors are



Functional diagram; the physical layout of parts on the vehicle may differ.

1

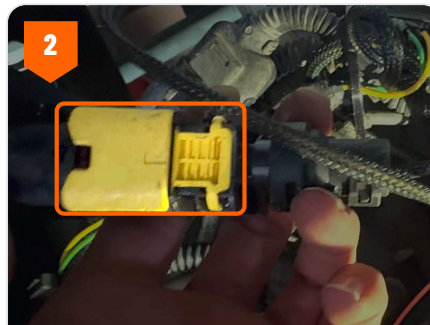


AdBlue pump connector

SCR

☐ Unplugged

2



AdBlue level sensor connector

SCR

☐ Unplugged

3



Outlet NOx sensor connector

SCR

☐ Unplugged

4

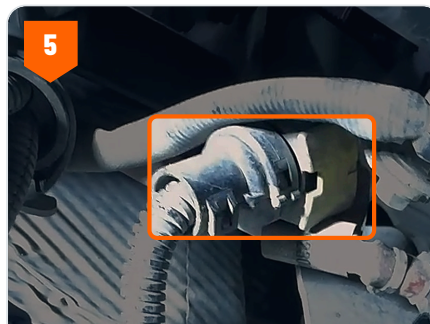


DPF differential pressure sensor connector

DPF

☐ Unplugged

5



PM sensor connector

DPF

☐ Unplugged

Tips

Do not cut the connectors.

Tape the ends against water and dirt and secure them with cable ties, so the vehicle can easily be restored.

Outlet NOx only.

The inlet NOx sensor stays connected; unplug only the NOx connector on the exhaust outlet side.



All 5 connectors unplugged?

Next step: Connect the emulator

Page 4 →

STEP

2

STEP 2 / 3

Connect the emulator

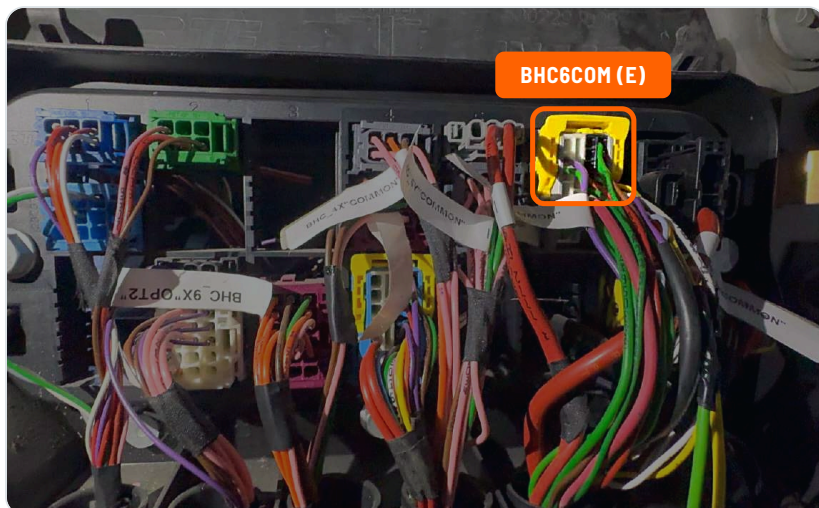
The emulator's yellow and green wires are spliced in parallel into the wires of the BHC6COM (E) connector on the BHC connector panel.

1

2

3

2.1 Locate the BHC6COM (E) connector



TOP ROW

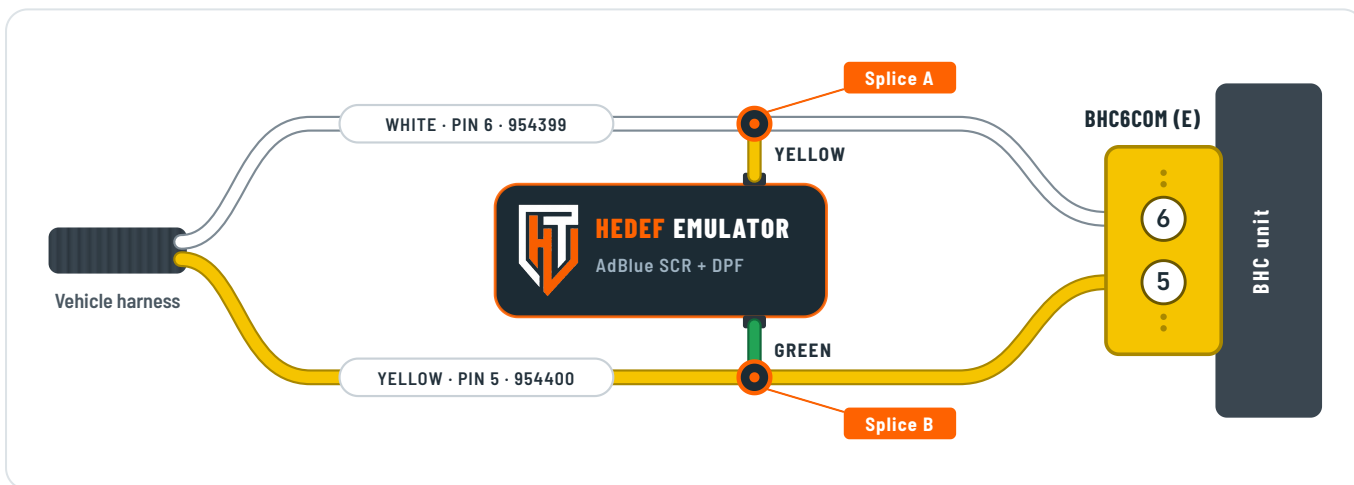
1 2 3 4 5 6 7



6th connector in the top row of the BHC connector panel (yellow housing).

⚠ Do not confuse it with the yellow connector in the bottom row.

2.2 Connect the wires



SPLICE	EMULATOR WIRE	BHC6COM (E)	VEHICLE WIRE	REF. NO.
A	Yellow	Pin 6	White	954399
B	Green	Pin 5	Yellow	954400

⚠ Caution: colors do not match!

The emulator's **YELLOW** wire goes to the vehicle's **WHITE** wire (pin 6); its **GREEN** wire goes to the vehicle's **YELLOW** wire (pin 5). Do not connect yellow to yellow.

1 Strip

Remove a short section of insulation without cutting the vehicle wire.



2 Wrap & solder

Wrap the emulator wire around the bare section and solder it.



3 Insulate

Wrap the splice tightly with insulating tape; confirm both pin number and wire color.



Splices soldered and insulated?

Next step: Check & test

Page 5 →

STEP

3

STEP 3 / 3

Check & test

After completing the connections, check the system in the following order.

1

2

3

1

Check splices and insulation; secure the emulator and its wiring with cable ties.



2

Switch on the ignition and start the engine.



3

Confirm there is no AdBlue / emission warning and no active fault code on the instrument cluster.



4

If stored fault codes exist, clear them with a diagnostic tool.



5

Take a short test drive and check that warnings do not return.



With a correct installation, no active codes appear in the ECM fault list (SPN / FMI / OC).

Troubleshooting

SYMPTOM	POSSIBLE CAUSE	SOLUTION
A specific sensor fault persists	The related connector is still plugged in	Check all 5 connectors from Step 1 one by one.
No change after installation	Wires on the wrong pins or swapped	Check Yellow → Pin 6 (white) and Green → Pin 5 (yellow).
Warning appears intermittently	Loose splice or poor contact	Re-solder and insulate the splices; secure the wiring.



INSTALLATION RECORD

DATE

TECHNICIAN / COMPANY

CHASSIS NO. (VIN)

MILEAGE

SIGNATURE / STAMP



Technical support

For any installation question, message our 24/7 WhatsApp support line.



WEB

hedefemulator.com

PHONE

+90 850 346 58 18



WHATSAPP SUPPORT · 24/7

+90 507 687 18 40



EMAIL

info@hedefemulator.com

Kazımdırık Mah. 364/1 Sok. No:16/A, Bornova / İzmir, Türkiye



Scan for WhatsApp
support