



AFTER SALES
& SPARE PARTS



Carraro DiaGnoSys™ IDC-4

Part number 210003

Multi Brand Diagnostics
for Agricultural and Construction Equipment



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The **Carraro DiaGnoSys™ IDC-4** part number 210003 is composed of **2 cases** that include:

1. **Carraro DiaGnoSys basic unit**
2. DVD with **IDC4 software** for the diagnostic tool management, which includes the database of all agricultural and construction equipment vehicles and industrial engines
3. **USB activation dongle** (indispensable for the diagnosis)
4. Accessories (USB cable, Bluetooth antenna, power supply wire harness, power pack)
5. Technical manual and Set up Handbook

6. **Interface cables**, they cover about 60% of vehicles that can be diagnosed with the tool (see table below)

Part number	Plug reference	Description	Cable picture
045982	3151/T16	9 pin cable for Deutsch-John Deere, CNH Group, Landini, McCormick vehicles	
045974	3151/T37	Interface cable DB9	
045984	3151/T44	Cable for Carraro Lifter	
45969	3900705	EOBD cable	

Optional interface cables

not included in the Carraro DiaGnoSys™ IDC-4 (part number 210003)

Part number	Plug reference	Description	Cable picture
045970	3151/T32	Interface cable for SAME-DEUTZ-CLAAS	
045983	3151/T32A	Interface cable for SAME-DEUTZ-CLAAS	
045971	3151/T33	Interface cable for FENDT	
045972	3902211	Button cable for NEW HOLLAND diagnosis	
045973	3900219	Jumper connector for CNH GROUP	
045975	3151/T39	Interface cable for MASSEY FERGUSON	
045976	3151/T40	Interface cable for VALTRA	
045977	3151/T27	Interface cable for DEUTZ	

Optional interface cables

not included in the Carraro DiaGnoSys™ IDC-4 (part number 210003)

Part number	Plug reference	Description	Cable picture
045978	3151/T38	9 pin interface cable for CATERPILLAR/PERKINS	
045979	3151/T02	30 pin interface cable for IVECO	
045980	3151/T42	Interface cable for NEW HOLLAND SERIES TN	
045985	3151/T43	Interface cable for Claas/Renault	
045353 NEW	3151/T34	Interface cable for BOSCH REXROTH	
045354 NEW	3151/T11B	8 pin interface cable CPC2 MR 28P and connector for Volvo	
045355 NEW	3151/T47	interface cable for VOLVO "B SERIES"	
045981		Box with all optional cables (045970, 045983, 045971, 045972, 045973, 045975, 045976, 045977, 045978, 045979, 045980, 045985, 045353, 045354, 045355)	

Which vehicle can be diagnosed?

Agricultural Applications

Buhler Versatile

Carraro

Case Ih

Claas

Deutz

Deutz - Fahr

Dieci

Energreen

Faresin

Fendt

Franz Kleine

Hurlimann

Iveco Motors (Aifo)

Jcb

John Deere

Kamaz

Krone

Lamborghini

Landini

Laverda

Lindner

Mac Don

Manitou

Massey Ferguson

Mccormick

Mercedes-Benz

Merlo

Nef

New Holland

Perkins

Renault Agriculture

Ropa

Same

Scania

Sisu

Steyr

Ursus

Valtra

Volvo Penta

Construction Equipment Applications

Astra

Bell

Carraro

Case

Fiat-Hitachi

Deutz - Fahr

Fiat-Kobelco

Komatsu

Merlo

New Holland

O&K

Perlini

Pettibone

Terex

Volvo

Xtreme

Which type of system on the vehicle can be diagnosed?*

* (only if supported by the vehicle ECU)

Trasmission- PTO/FPTO/4WD

Automatic transmission - Carraro TRAX/
look control/Trasmission control unit/
PTO Control/Powershift/Powershuttle/
PowerQuad/AutoQuad

Suspended Axle - front axle

Electronic hydraulic lift - Load control

Front/Rear hydraulic lift - M60 Cararro
Lifter ECU

Auxiliary distributors

Diesel injection - Central/Engine ECU/
EMR/Common rail

Diesel pump

General system - Auxiliary Valves control

General Diagnosis - Vehicle total diagnosis

Body computer - ECU Base control unit

Engine vehicles adjustment - Adaptation
module

Cabin control - ATC Automatic controls

Multi-function display - tractor/
performances/multifunction monitor

Quick service - Instrument panel

Instruments - Analogical/digital panel

Indicator and control unit - Keypad

ECU External light - Light control panel

Steering wheel electronics - STEER fast
steering module

Which type of diagnosis can be checked?

Faults



The FAULTS page shows the output of the self-diagnosis management present in each single Electronic Control Unit (ECU). This means that the errors/faults are shown when the electronic unit has detected a condition that is not acceptable for the proper functioning. These information are dedicated to the technicians for understanding the **problems that are detected by the ECU**, with the aim of having the vehicle back on the road in the fastest way. After the diagnosis errors can be cleaned.

Status



On the STATUS page all the **logic data** are listed and displayed **with the description of its condition** (e.g. ON/OFF, OPEN/CLOSED, etc.).

Parameters



The PARAMETERS page shows all the **dynamic data**, in figures or in graphics, that are controlled by the diagnosis management of each single electronic system.

In addition to diagnostic functions, other services are integrated in the CARRARO IDC4 software, namely:

- › **wiring diagrams:** interactive diagrams designed based on a single defined standard
- › **bulletins and technical Data Sheets:** informative documents to complete the available diagnostic operations. They explain how to carry out calibration operation or give the typical characteristics of an electronic system.