



# **DAILY EURO 4**

**REPAIR MANUAL**

**MECHANICAL  
ELECTRIC/ELECTRONIC**

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**IVECO**



"This document provides data, characteristics, instructions and methodology to perform repair interventions on the vehicle and its components.

Anyhow, this document is addressed to qualified and specialised personnel. Iveco commercial and assistance network personnel as well as all Iveco authorised points of assistance are specifically qualified and equipped to perform the repair interventions that are indicated in this document.

Before performing any intervention, check to have available the document relating to the vehicle model on which the intervention is being performed and also make sure that all accident prevention devices, such as, as a rough guide, goggles, helmet, gloves, shoes, as well as work tooling, lifting and transport tooling, etc., are available and efficient, and further make sure that the vehicle is put such a way that an intervention can be made in safety conditions.

Making interventions strictly observing the indications given here, as well as using specific tooling indicated, assures a correct repair intervention, execution timing observance and operators' safety.

Each repair intervention must be finalised to the recovery of functionality, efficiency and safety conditions that are provided by Iveco.

Each intervention, on the vehicle, that is finalised to a modification, alteration or else, which is not authorised by Iveco, involves the exclusion of any responsibility for Iveco, and, in particular, where the vehicle is covered by a guarantee, each such intervention involves an immediate lapse of the guarantee.

Responsibility for Iveco in repair intervention execution is excluded.

Iveco is available to provide all clarifications necessary to make interventions, as well as to provide indications in cases and situations not included in this document.

Data and information contained in this document could result not to be updated owing to modifications made by Iveco at any moment for technical or commercial reasons, or because of the need to adapt the vehicle to law requirements in different countries.

In the case of a difference between what contained here and what actually found on the vehicle, please contact Iveco network before making any intervention."

The data contained in this publication might fail to reflect the latest changes which the Manufacturer may introduce at any time, for technical or sales purposes, or to meet the requirements of local legislation.

Copy, even partial, of text and drawings is forbidden.

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## PRELIMINARY REMARKS

Manuals for repairs are split into Sections, each one of which is marked by a numeral; the contents of these sections are indicated in the general table of contents.

Each section is generally dedicated to a main Unit (e.g.: engine, gearbox, electric system, etc.).

Sections with mechanical contents include technical data, tightening torque collections, tool lists, connections – disconnections of units to/from the vehicle, overhauls at the bench and relating troubleshooting.

On the electric/electronic system section there are the descriptions of the electric network and vehicle electronic systems, electric schemes, components electric characteristics, components codes and troubleshooting relating to the central units specific of the electric system.

The manual uses proper symbols in its descriptions; the purpose of these symbols is to classify contained information. In particular, there have been defined a set of symbols to classify warnings and a set for assistance operations.

## SYMBOLS - WARNINGS



### Danger for persons

Missing or incomplete observance of these prescriptions can cause serious danger for persons' safety.



### Danger of serious damage for the vehicle

Partial or complete non observance of these prescriptions can cause serious damages to the vehicle and sometimes guarantee lapse too.



### General danger

It includes the danger of above described signals.



### Environment protection

It indicates correct behaviour in order that vehicle use is environmentally friendly as much as possible.

**NOTE** indicates an additional explanation for a piece of information.

## SYMBOLS - ASSISTANCE OPERATIONS

	Removal Disconnection
	Refitting Connection
	Removal Disassembly
	Fitting in place Assembly
	Tighten to torque
	Tighten to torque + angle value
	Press or caulk
	Regulation Adjustment
	Visual inspection Fitting position check
	Measurement Value to find Check
	Equipment
	Surface for machining Machine finish
	Interference Strained assembly
	Thickness Clearance
	Lubrication Damp Grease
	Sealant Adhesive
	Air bleeding
	Replacement Original spare parts

	Intake
	Exhaust
	Operation
	Compression ratio
	Tolerance Weight difference
	Rolling torque
	Rotation
	Angle Angular value
	Preload
	Number of revolutions
	Temperature
	Pressure
	Oversized Higher than.... Maximum, peak
	Undersized Less than.... Minimum
	Selection Classes Oversizing
	Temperature < 0 °C Cold Winter
	Temperature > 0 °C Hot Summer

## PRODUCT CODE

Each title or subtitle concerning operations being performed is preceded by a six-figure number named PRODUCT CODE. This number represents the **PRODUCT CODE** referred to by the repair operation contained in both REPAIR TIMES and TROUBLE CODE document.  
As a quick reference there are shown below the guide lines to read this code (see Repair Timing, too).

Product Code:

5	0
---	---

PRODUCT

--

UNIT

--

SUB-ASSEMBLY  
COMPONENT

7	6
---	---

PRODUCT

--

UNIT

--

SUB-ASSEMBLY  
COMPONENT

The first and second figures identify the PRODUCT within motor vehicle.

Example :

Product 50 = Vehicle chassis;  
Product 52 = Axles;  
Product 53 = Transmission;  
Product 76 = Electric system.

Unit Code:

--

PRODUCT

0	1
---	---

UNIT

--

SUB-ASSEMBLY  
COMPONENT

--

PRODUCT

0	3
---	---

UNIT

--

SUB-ASSEMBLY  
COMPONENT

The third and fourth figures identify the UNIT within the PRODUCT.

Example :

Product 50 = Vehicle chassis;  
Unit 01 = Chassis;  
Unit 02 = Bumpers;  
Unit 03 = Alternator.

Sub-assembly Code:

--

PRODUCT

--

UNIT

4	0
---	---

SUB-ASSEMBLY  
COMPONENT

--

PRODUCT

--

UNIT

1	3
---	---

SUB-ASSEMBLY  
COMPONENT

The fifth and sixth figures exactly identify the SUB-ASSEMBLY and Component of a Unit within a PRODUCT.

Example :

Product 50 = Vehicle chassis;  
Unit 01 = Chassis;  
Sub-assembly 40 = Chassis cross members;  
Sub-assembly 13 = Rotor.

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