

# EUROPASS CERTIFICATE SUPPLEMENT

## TITLE OF THE DIPLOMA (ES)

*Técnico en Carrocería*

## TRANSLATED TITLE OF THE DIPLOMA (EN)<sup>(1)</sup>

*Technician in Bodywork*

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(1) This translation has no legal status.

## DIPLOMA DESCRIPTION

**The holder of this diploma will have acquired the General Competence with regard to:**

Performing the operations of repairing, fitting of accessories, and transformation of the vehicle in the field of bodywork, frame, cabin and equipment or instrumental, in accordance with the established procedures and times, complying with the specifications of quality, safety and environmental protection.

**Within this framework, the PROFESSIONAL MODULES and their respective LEARNING OUTCOMES acquired by the holder are listed below:**

### “Removable Parts”

The holder:

- Fits screwed down, stapled and riveted removable parts, applying the required techniques and procedures.
- Fits stuck removable parts, applying the required techniques and procedures.
- Replaces mechanical parts of the suspension and steering system, interpreting specifications for the strip-down and reassembly.
- Replaces mechanical parts of the cooling, inlet and exhaust systems, interpreting technical specifications.
- Replaces parts of the lighting, gear, locking and elevation systems, interpreting technical specifications.

### “Metallic and Synthetic Parts”

The holder:

- Diagnoses metal distortion, selecting repair techniques and procedures.
- Repairs steel parts restoring original forms and dimensions applying the appropriate techniques and procedures.
- Repairs aluminium parts restoring original forms and dimensions applying the appropriate techniques and procedures.
- Diagnoses distortions in synthetic parts, selecting repair techniques and procedures.
- Repairs plastic compound parts restoring original forms and dimensions.

### “Fixed Parts”

The holder:

- Strips down fixed welded parts, analysing strip-down techniques in accordance with the established procedures.
- Replaces fixed stuck and crimped parts, relating the type of joint with the necessary equipment and materials.
- Selects welding equipment, describing its characteristics and the different types of joint to be made.
- Prepares junctions for the assembly of fixed parts analysing the type of welding and required procedures.
- Welds fixed parts of the vehicle selecting the welding procedure according to the characteristics established by the manufacturer.
- Complies with applicable rules on labour risk prevention and environmental protection, identifying associated risks, and measures and equipment to prevent them.

### “Surfaces Preparation”

The holder:

- Selects rust proofing relating protection layers with the areas that must be protected.
- Applies antirust protections analysing the processes of preparation and application of products.
- Prepares surfaces for dimension and form levelling justifying the chosen technique.
- Uses equipment relating the same with the characteristics of the surface to be treated.
- Applies acoustic coatings, either through packing and sealing procedures, relating the characteristics of the product with their position in the vehicle.

- Complies with applicable rules on labour risk prevention and environmental protection, identifying associated risks, and measures and equipment to prevent them.

### **“Structural Parts of the Vehicle”**

The holder:

- Diagnoses structural deformations in vehicles, relating the applied loads with the produced effects.
- Fixes the bodywork, frame or cabin to the mainframe with the necessary means, relating the distortions that must be repaired with the technical specifications of the mainframe.
- Measures deformations in the bodywork, frame or cabin describing the techniques and measuring equipment to be used.
- Determines the correct leads and point of stress application, analysing deformation and the stages required for stretching.
- Shapes the bodywork with stretching equipment and tools, applying the required techniques and procedures in each case.
- Verifies that the bodywork, frame or cabin have their original dimensions relating the measures taken with those provided by the manufacturer in the technical files.

### **“Trimming of Surfaces”**

The holder:

- Chooses trimming procedures, characterising techniques for the application of bases and lacquers.
- Covers the areas that are not going to be painted selecting the procedures and materials to be used.
- Prepares paint to obtain the required colour for the coating of the vehicle applying colorimetric techniques.
- Paints parts of the bodywork applying the techniques detailed by the manufacturer of the paint and the vehicle.
- Corrects painting defects relating the causes with the techniques used for repair.

### **“Elementary Machining”**

The holder:

- Draws sketches of pieces interpreting specific symbols and applying the corresponding conventionalisms of representation.
- Draws pieces for its later machining, relating sketch and plans specifications with the precision of the made-to-measure equipment.
- Machines parts by hand relating measuring techniques with the tolerance margins provided in the sketches and plans.
- Screws on parts outwards or inwards making the necessary calculations and operations.
- Joins metallic parts by means of soldering describing the techniques used in each case.

### **“Professional Training and Guidance”**

The holder:

- Selects job opportunities, identifying the different possibilities of labour integration, and the alternatives of lifelong learning.
- Applies teamwork strategies, assessing their effectiveness and efficiency on the achievement of the company's goals.
- Exercises rights and complies with the duties derived from labour relationships, recognising them in the different job contracts.
- Determines the protective action of the Spanish Health Service in view of the different covered eventualities, identifying the different types of assistance.
- Assesses risks derived from his/her activity, analysing job conditions and risk factors present in his/her labour setting.
- Participates in the development of a risk prevention plan in a small enterprise, identifying the responsibilities of all agents involved.
- Applies protection and prevention measures, analysing risk situations in the labour setting of the Technician in Bodywork.

### **“Business and Entrepreneurial Initiative”**

The holder:

- Recognises skills related to entrepreneurial initiative, analysing the requirements derived from job positions and business activities.
- Defines the opportunity of creating a small enterprise, assessing the impact on the performance setting and incorporating ethic values.
- Carries out the activities for the setting-up and implementation of a company, choosing the legal structure and identifying the associated legal obligations.
- Carries out basic administrative and financial management activities of an SME, identifying the main accounting and tax obligations and filling in documentation.

### **“On the Job Training”**

The holder:

- Identifies the company's structure and organization, relating the same to the production and marketing of the fitted or repaired installations.
- Applies labour and ethic habits in his/her professional activity according to the characteristics of the job position and the procedures established by the company.
- Identifies deformations and breakdowns in real work situations, assessing the importance, observing the causes and effects and following specifications.
- Repairs and replaces fixed and removable parts made of metallic and synthetic materials using the appropriate techniques and means in each case.
- Repairs structural parts of vehicles in the mainframe, restoring their original dimensions and characteristics.
- Carries out the preparation and trimming of surfaces in a vehicle, preparing products and using the appropriate means.

### **RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE DIPLOMA**

The Technician in Bodywork works in the vehicle manufacturing and maintenance industries, in the area of bodywork and the sub-area of motor cars, heavy vehicles, tractors, agricultural machinery, extractive, construction and civil engineering industries machinery, railways and other production sectors where works of bodywork, bodywork transformations and adaptations, adaptations and assembly of agricultural machinery equipment, as well as that of mining, construction industries and in heavy vehicles, manufacture and repair of fibre, compound and paint elements are carried out.

The most relevant occupations or jobs are the following:

- Bodyworker for motor cars, heavy vehicles, tractors, agricultural machinery, mining, construction and civil engineering industries and railway rolling stock
- Fitter of windscreens and accessories
- Bodypainter for motor cars, heavy vehicles, tractors, agricultural machinery, mining, construction and civil engineering industries machinery and railway rolling stock

### **AWARD, ACCREDITATION AND LEVEL OF THE DIPLOMA**

**Name of the body awarding the diploma on behalf of the King of Spain:** Spanish Ministry of Education or the different Autonomous Communities according to their areas of competence. The title has academic and professional validity throughout Spain.

**Official duration of the education/ training leading to the diploma:** 2000 hours.

#### **Level of the diploma (national or international)**

- NATIONAL: Post-Compulsory Secondary Education
- INTERNATIONAL:
  - Level 3 of the International Standard Classification of Education (ISCED3).
  - Level \_\_\_\_\_ of the European Qualifications Framework (EQF\_\_\_).

**Entry requirements:** Holding the Certificate in Compulsory Secondary Education or holding the corresponding access test.

**Access to next level of education/training:** This diploma may provide access to Higher Technical Cycles provided that an entry exam is passed.

**Legal basis.** Basic regulation according to which the diploma is established:

- Minimum teaching requirements established by the State: Royal Decree 176/2008, of 8 February, according to which the diploma of Technician in Bodywork and its corresponding minimum teaching requirements are established.

**Explanatory note:** This document is designed to provide additional information about the specified diploma and does not have any legal status in itself. An Annex I may be added and will be filled in by the corresponding Autonomous Community.

## INFORMATION ON THE EDUCATION SYSTEM

