

OPERATION AND MAINTENANCE

- The value of the maximum permissible payload of the towing vehicle shall be decreased by the total mass of the coupling device (see technical data).
- The coupling device may be used only for towing of trailers with relevant coupling devices.
- Fastening of the coupling device to the vehicle as well as of the towing arm to the towing frame shall be checked after the first 300 km run with trailer. It is recommended to repeat such inspections regularly every 3000 km run with trailer.
- The towing arm with ball shall be kept clean and only appropriate grease shall be used to its protection.
- Inspections of ball diameter are necessary during the often use of the coupling device. Diameter shall not be smaller than 49 mm in any place.
- If a trailer isn't coupled, must be the detachable towing arm removed. Towing arm, which can be removed without using of tools, is allowed being detachable. Towing arm requiring tools for its removal isn't allowed to be detachable. If the towing arm is removed, it is necessary to protect the chuck of bayonet lock by the delivered cover.

WARRANTY CERTIFICATE

The manufacturer provides a 24 months warranty period from the date of sale for the fail-safe function of the supplied coupling device if all instructions given by him for mounting, operation and maintenance of that product have been kept.

The user shall apply the warranty claim at the sale organisation where the coupling device was bought. The shop dealer with the representative of manufacturer shall assess the claim in the legal time limit and in accordance with claim rule in force.

Condition of warranty is that coupling device has been used only for the purposes it has been designed and intended to and in accordance with the technical data put down in this instruction book. Next conditions of warranty are the observance of mounting procedure and the only use of original parts (especially of the towing arm).

Warranty does not cover damage of its surface protection made mechanically or by its use in extreme weather conditions.

Warranty expires if coupling device has been damaged in an accident of relevant towing or towed vehicle, with exception of an accident caused evidently by the own coupling device itself. Warranty is also cancelled in case of intervention into the mechanism of the coupling device leading to any change or improvement.

Warning: Warranty certificate is not valid without submission of the duly filled-up Type Sheet bearing protection elements.

Date of sale:

Sale organisation:

HOOK CZ s.r.o.

Košuličova 2

Brno 619 00

CZECH REPUBLIC

Tel., fax: +420 543 252 024



HOOK CZ s.r.o.

Košuličova 2

Brno 619 00

CZECH REPUBLIC

OPERATING INSTRUCTIONS WARRANTY CERTIFICATE

for
coupling device

Design: a) not detachable ball joint

TYPE:

BTZ 34-03A

EEC-approval number:

e8 00-0031

For vehicle:

Manufacturer:

Dacia

Model:

Logan

Model year:

since **2004-01/13**

TECHNICAL DATA:

D-value:

6,11 kN

Maximum static vertical mass S:

70 kg

Mass of the coupling device:

13,3 kg

The Coupling device was homologated pursuant to the Directive 94/20/EC. It is intended for towing of trailers and it was checked for D-value 6,11 kN. According to expression mentioned below, for example, it corresponds with trailer mass 1000 kg and vehicle mass 1650 kg. But technical data inscribed in the Vehicle Registration Document are valid. Value of vertical load S mustn't be exceeded.

$$\text{Calculation of D-value: } D \text{ [kN]} = \frac{\text{Max. trailer mass [kg]} \times \text{Max. vehicle mass [kg]}}{\text{Max. trailer mass [kg]} + \text{Max. vehicle mass [kg]}} \times \frac{9,81}{1000}$$

CONDITIONS FOR ATTACHMENT OF THE COUPLING DEVICE TO THE VEHICLE

- Any change or reconstruction of the coupling device is not permitted!
- Presumption for the installation of the coupling device into the towing vehicle is that the vehicle meets perfectly the geometric parameters declared by manufacturer and that the fixing points on bottom of the rear part of bodywork are not deformed or injured by accident or attacked by corrosion at elder vehicles.

Procedure of the attachment to the vehicle:

- It is not necessary to remove or cut the bumper.
- Loosen and remove the exhaust from the rubber shackle.
- From left and right cavity inside the boot remove the plastic caps from outer side of longitudinal beams. There are prepared and blinded holes at the inner side of beams at the bottom part of the vehicle- it is necessary to remove the putty from these holes. Insert the bolts M10x90 **(10)** with large washers and distance tubes **(5)** into the beams from the boot.
- Put the side plates **(4)** onto the bolts **(10)** protruding from the beams at the bottom part of the vehicle. Slightly attach the side plates **(4)** by nuts and washers- see **fig. 1**.
- Between the rear wall of the vehicle and lower bend of the bumper put the crossbeam **(1)** between the sideplates **(4)** and slightly attach it by the bolts **(9)** and **(8)**.
- All of the bolts and nuts tighten firmly: M10 = 45 Nm, M 12 = 75 Nm.
- Attach the socket holder **(3)** onto the bolt **(7)** which serves for fastening the ball joint
- Install the wiring.

List of delivered parts:

crossbeam (1).....	1
towing arm (2) + plastic cover	1+1
socket holder (3)	1
side plate (4).....	2
bolt M 12 x 65 (6) + spring washer + nut M12	1+1+1
bolt M 12 x 70 (7) + spring washer + nut M12 + washer 13	1+1+1+1
bolt M10 x 35 (8) + washer 11 + spring washer	2+2+2
bolt M10 x 35 (9) + washer 11 + spring washer + nut M10	2+4+2+2
bolt M10 x 90 (10) + large washer 11 + washer 11 + + spring washer + nut M10	4+4+4+4+4
distance tube ½" – 55 mm (5).....	4
wiring.....	by the order

All bolts and nuts must be strength class 8.8

FIGURE – coupling device Dacia Logan since 2004

