



**Адаптеры и оборудование для  
диагностики и настройки  
всех видов форсунок  
Common Rail**

**TOOLS**

**TO WORK WITH OUR SIMULATORS**

**COMMON RAIL TOOLS**

# COMMON RAIL TOOLS

## 2. TOOLS TO WORK WITH AZCBCR-4-SIM



### 2.1 CLAMPS FOR COMMON RAIL INJECTORS

AZ0309-02	Man	diam: 29mm
AZ0309-04A	Remault Premium 420cv	diam: 32mm
AZ0309-05N	Fiat Tector – Cummins	diam: 26.5mm
AZ0309-06	Denso	diam: 27mm
AZ0309-07	Denso	diam: 23.5mm
AZ0309-08	Man	diam: 26mm
AZ0309-09	Man - Temsa	diam: 28mm
AZ0309-10	Cummins	diam: 26.5mm
AZ0309-11	Siemens VDO	solo recupero
AZ0309-12	Sisu	diam: 26.6mm
AZ0309-13	Delphi Smart Injector	EUP
AZ0309-14	Denso	diam: 24mm
AZ0309-15	Denso	- only back leak - diam: 18.5mm
AZ0309-16	Scania	-2 pin - diam: 40.5mm
AZ0309-17	Deutz	-only back leak - diam: 21mm
AZ0309-18	Cursor 9	-only back leak- diam: 35mm
AZ0309-19	Bosch MTU	-only back leak- diam: 26mm
AZ0309-20	Scania 4 PIN	-only back leak- diam: 35mm

# COMMON RAIL TOOLS

## 2.2 BRACKET AND SUPPORTS



AS0003-00      Bracket Bosch ISO  
Similar: 1.688.010.124



AAE157-08      Bracket diam 50 for CP1 pump  
Similar: 1.685.720.062



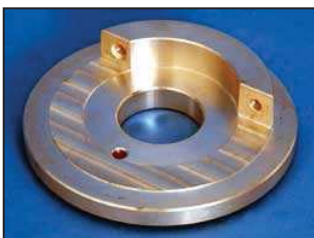
AAE001-02      Bracket for CP3 pump



AAE001-03      Bracket with ring for CP3 pump Mercedes



AAE000-04      Bracket for Delphi pump on Ford and Renault Megane



AAE000-04A      Bracket for Delphi pump (2 HOLES)

## COMMON RAIL TOOLS



AAE000-04B Bracket for Delphi pump with holes



AAE001-NIP Bracket for common rail Denso HP2/3 pump on Ford and Fiat



AAE001-CP1H3 Bracket for CP1 H3 pump



AAE001-CP4 Bracket for CP4 pump



AAE002-CR Bracket for Nissan Qashqai pump

AAE003-CR Bracket for Siemens 5SW40157 pump

AAE004-CR Bracket for Siemens 5SW40565 pump



AAE001-MERC Bracket for CP1 Mercedes pump



AAZ026-03 Kit flange and connections for CP1 Mercedes pump

# COMMON RAIL TOOLS

## 2.3

### ADAPTORS FOR PRESSURE SENSOR



AAZ034-08      Adaptor pressure sensor CP3



AAZ034-15      Adaptor pressure sensor CP1H/CP3



AAZ034-07      Adaptor pressure sensor DELPHI



AAZ034-16      Adaptor pressure sensor SIEMENS



AAZ034-17      Adaptor pressure sensor DENSO



AAZ034-20      Adaptor pressure sensor SIEMENS - BOSCH

# COMMON RAIL TOOLS

## 2.4

### ADAPTORS FOR PRESSURE REGULATOR AND CONNECTIONS



AAZ034-19 Adaptor pressure sensor SIEMENS pump



AAZ034-13 False pressure regulator for CP1 pump



AAZ034-22 False pressure regulator for Denso HP3 – CP3 pump



AAZ034-18 Connection to fix high pressure pipes with Siemens pump



AAZ034-21 Connection for pressure Siemens with supply valve



AAZ034-CP4 Connection to fix high pressure pipes on CP4 pumps

# COMMON RAIL TOOLS

## 2.5

### MOTORING COUPLING



AG0119-00      Coupling for test bench Bosch  
 Similar: 1.686.401.028  
 Hole 10mm or Hole 12mm for EPS 815  
 (please details in the order)



AG0020-01      Coupling cone 20 with puller  
 L= 100m  
 Similar: 1.686.430.024



AG0025-02      Coupling cone 25 with puller  
 Similar: 1.686.430.026



AG0025-CP4      Coupling cone 25 for CP4 pumps.  
 Coupling composed of: AG0025-02 +  
 AG0000-CP4 screw for CP4 pumps



AG0000-CP4      Screw 18x1.5 for coupling cone 25 for CP4  
 pumps

AG0131-CR8      Coupling for CP1 pumps – Cut 8mm

AG0132-CR9      Coupling for CP1 pumps – Cut 9mm

AG0133-CR10      Coupling for Denso/Siemens pumps on Ford  
 and Fiat – Cut 10mm



AG0134-C.D8      Coupling for Delphi pumps – CUT 8mm

## SIMULATORS

### CAM-BOX

3. AZCBCR-CB

CAM-BOX SIMULATOR



TO TEST UNIT-INJECTOR ON  
TEST BENCH

UNIT INJECTOR 2-4 PIN DELPHI  
WITH CALIBRATION TABLES

OPTIONAL:

RSP x TO MEASURE "BIP"  
MOMENT

CAM-BOX-NUDO

The simulator can test all kind of unit-injector and permits to do the following tests:

- Quality of the bobbins.
- It tests on test bench Electromagnetic and Piezo unit injectors and pump injectors
- It reads and measures the "BIP" moment, if connected to optional RSP.
- It tests Delphi 2 and 4 PIN.
- To be used on a test bench with a mechanical cam-box (AZ0134-CB-NUDO)

OPTIONAL:

- AZ0134-CB-NUDO** Mechanical cam-box base to be mounted on a test bench to fix unit injectors.

The mechanical part of our cam-box (AZ0134-CB-NUDO) is universal; it can be mounted on every kind of diesel test bench. The height of our cam-box, from the base to the camme is the same of equipments BOSCH: 125mm.

If you wish to work on test bench with different height it is necessary to buy special adaptors (of our production).

- KIT of ADAPTORS for all the unit injectors on the market
- RSP – sensor to measure BIP point.



NEW  
UNIVERSAL

## SIMULATORS

### CAM-BOX

4. BEEPER

TO MEASURE BIP MOMENT  
USEFULL FOR ALL THE CAM-  
BOX NOW ON THE MARKET

### TESTER TO MEASURE BIP MOMENT



Tester to measure the BIP moment. The instrument is universal because it can be mounted on the most part of the cam-box simulator (EUI) of old generation on the market.

It permits to measure the BIP from the bobbin of the uni-injector (EUI).

UNIVERSAL – ADAPTABLE TO MOST PART OF CAM-BOX SIMULATOR -

# SIMULATORS

## OPTIONAL CAM-BOX

### 3.1 OPTIONAL PER AZ0134-CB

#### ☐ AZ0134-CB--NUDO



CAM-BOX MECCANICO – Cam-box base to be mounted on a test bench to fix unit injectors

The mechanical part of our cam-box (AZ0134-CB-NUDO) is universal; it can be mounted on every kind of diesel test bench. The height of our cam-box, from the base to the camme is the same of equipments BOSCH: 125mm.

If you wish to work on test bench with different height it is necessary to buy special adaptors (of our production).

The mechanical cam-box base tests Volvo and some Iveco version. To test different unit injector we produce the following special kit of adaptors:

- AZ0134-CB-SCANIA
- AZ0134-CB-DETROIT TYPE 5235580/570 (special version for both types)
- AZ0134-CB-CUMMINS
- AZ0134-CB-ACTROS MERCEDES
- AZ0134-CB-ATEGO
- AZ0134-CB-DAF
- AZ0134-CB-CATERPILLAR L 10
- AZ0134-CB-CATERPILLAR L 15
- AZ0134-CB-500HP DELPHI
- AZ0134-CB-JOHN DEERE DELPHI
- AZ0134-CB-IVECO CURSOR 350 CV \*
- AZ0134-CB-LAND ROVER / DISCOVERY\*
- AZ0134-CB-VOLKSWAGEN\*
- \*To test with little cam-shaft AZ0134-CB-ALB

It is possible to buy only the kit of adaptors you need.

# SIMULATORS

## OPTIONAL CAM-BOX

### AZCBCR-RSP



AZCBCR-RSP - Sensor RSP – Sensor to measure the reaction-time of the injector.

### CAM-BOX ADAPTORS

#### AZ0134-CB-CAT-15 Kit Cam-Box UIS Caterpillar L15

##### CB0146-03



Raccordo iniettore Caterpillar

Connector for Caterpillar injector

##### CB0146-02



Carterino paraschizzi

Carter

##### CB0138-02



Vite su bilanciere per precarico punteria

Screw for preloading tappet

##### CB0146-01



Blocchetto Caterpillar con staffa di fissaggio

Caterpillar clamp with fixing bracket

# SIMULATORS

## OPTIONAL CAM-BOX

### AZ0134-CB-CAT Kit Cam-Box USI Caterpillar L10

#### CB0137-01



Bicchierino rompigetto Cat

Connector for Cat injector

#### CB0137-02



Blocchetto Caterpillar

Caterpillar clamp

### AZ0134-CB-MER Kit Cam-Box PDL 110 Mercedes Actros

#### CB0129-01



Adattatore per pompa Actros

Adaptator for Actros pump

#### CB0129-02



Coperchio paraschizzi

Carter

#### AZ0309-01



Blocchetto Actros diam. 26

Actros clamp diam. 26

# SIMULATORS

## OPTIONAL CAM-BOX

### AZ0134-CB-VW Kit Cam-Box PDE UIS Volkswagen

#### CB0134-06



Adattatore pompa iniettore VW tipo Standard e Piezo

Adaptator for VW injector-pump Piezo and standard type

#### CB0134-03



Adattatore pompa iniettore VW con dado esagonale

Adaptator for VW injector-pump with hexagonal nut

#### CB0134-04

Vite bilanciere per precarico punteria

Screw for preloading tappet



#### CB0134-05

Bicchierino rompigetto VW e Rover

Connector for VW and Rover damper



#### CB0134-02

Carterino paraschizzi tipo D

Protection Carter type D



•Per lavorare con questo kit è necessario avere l'albero a camme AZ0134-ALB.

•For working with this kit it is necessary to have the camshaft AZ0134-ALB.

### AZ0134-CB-ATEGO Kit Cam-Box PDL 100 Mercedes Atego

#### CB0133-01



Adattatore per pompa Atego

Adaptator for Atego pump

#### CB0129-02



Carterino paraschizzi

Carter

#### AZ0309-01



Blocchetto Actros diam. 26

Actros clamp diam. 26

# SIMULATORS

## OPTIONAL CAM-BOX

### AZ0134-CB-DAF Kit Cam-Box PDL Daf – Mack - Renault

#### CB0144-01



Adattatore per pompa Daf,  
Mack e Renault

Adaptator for Daf, Mack e  
Renault pumps

#### AZ0309-00



Blocchetto Mack smontaggio /  
prova diam. 24

Mack clamp diam. 24

#### CB0129-02



Coperchio paraschizzi

Carter

#### AZ0309-02



Blocchetto Man

Man clamp

### AZ0134-CB-SCANIA Kit Cam-Box Scania

#### CB0140-01



Blocchetto pompa iniettore  
Scania

Clamp for Scania injector-pump

#### CB0139-01



Vite tipo B su bilanciere per  
precarico punteria

Screw for preloading tappet

# SIMULATORS

## OPTIONAL CAM-BOX

### AZ0134-CB-IVE Kit Cam-Box PDE 90 PDE 30 Iveco Cursor 350

#### CB0128-01



Adattatore pompa iniettore Iveco  
Cursor piccolo (molla corta)

Adaptator for Iveco Cursor  
injector-pump Little (short spring)

Per lavorare con questo kit è necessario avere l'albero a camme AZ0134-ALB.

For workind with this kit it is necessary to have the camshaft AZ0134-ALB.

### AZ0134-CB-JD Kit Cam-Box John Deere Delphi

#### CB0147-00



Blocchetto Delphi John Deere

Delphi John Deere clamp

# SIMULATORS

## OPTIONAL CAM-BOX

### AZ0134-CB-CUMM Kit Cam-Box Cummins

#### CB0138-01



Bicchierino rompigitto Detroit Diesel

Connector for Detroit Diesel damper

#### CB0139-01



Vite tipo B su bilanciere per precarico punteria

Screw for preloading tappet

#### CB0139-02



Blocchetto pompa iniettore Cummins

Clamp for Cummins injector-pump

### AZ0134-CB-500HP blocchetto per: Delphi Volvo 520HP - Volvo 4Pin - Iveco Stralis

#### CB0148-01



Blocchetto per Delphi Volvo 520HP; Delphi Volvo 4Pin; Iveco Stralis. Dim:60x60mm.

Clamp for Delphi Volvo 520HP; Delphi Volvo 4Pin; Iveco Stralis. Dim: 60x60mm.



# SIMULATORS

## OPTIONAL CAM-BOX

### AZ0134-CB-DET70 Kit Cam-Box Detroit 5234770 - 5235580

#### CB0138-01



Bicchierino rompigitto Detroit Diesel

Connector for Detroit Diesel damper

#### CB0129-02



Coperchio paraschizzi

Carter

#### CB0138-02



Vite tipo D su bilanciere per precarico punteria

Screw for preloading tappet

#### CB0138-03



Blocchetto pompa iniettore Detroit

Clamp for Detroit injector-pump

Per lavorare con questo kit è necessario avere l'albero a camme AZ0134-ALB.

For working with this kit it is necessary to have the camshaft AZ0134-ALB.

### AZ0134-CB-ALB Albero a camme Iveco Detroit Volkswagen

#### AZ0134-CB-ALBER



Albero a camme per Iveco, Land Rover Discovery e Volkswagen

Camshaft for Iveco, Land Rover Discovery and Volkswagen

ONE  
SIMULATOR

## SIMULATORS

### COMMON RAIL + CAM-BOX

4.

AZCBCR-4-SIM-CB

COMMON RAIL SIMULATOR + SIMULATORE CAM-BOX



#### COMMON RAIL SIMULATOR

BOBBIN CONTROL

CALIBRATION PRESSURE ON  
THE TEST BENCH

BALL-LIFT

QUANTITY TEST ON TEST  
BENCH

OPTIONAL : RSP - KIT  
EXCLUSIVE



#### CAM-BOX SIMULATOR

TO TEST UNIT-INJECTORS ON  
TEST BENCH

UNIT-INJECTORS 2-4 PIN DELPHI

OPTIONAL:

RSP x TO MEASURE BIP MOMENT

CAM-BOX-NUDO

This simulator is complete with:

- Simulator for common rail injectors and pumps (AZCBCR-4-SIM)
- Cam-box simulator to control unit injectors (AZCBCR-CB)

One tester to control unit-injectors, injectors and pumps common rail

OPTIONAL:

- AZCBCR-RSP - RSP sensor to measure time of answer and BIP point
- AAZ034-EX Kit to mount injectors on the test bench version EXCLUSIVE
- AZ0134-CB-NUDO Mechanical cam-box base
- CAM-BOX Adaptors