

**MAGNETI
MARELLI**



**Workshop equipment
catalogue 2018**



Table of contents

Workshop equipment catalogue 2018

DIAGNOSTIC TOOLS

▶ Tester Flex.....	4
▶ Logic.....	5
▶ TVision.....	8
▶ FlexStar.....	10
▶ TPMS Connect EVO.....	12
▶ OBD Road.....	13
▶ Licence Car / Truck.....	14
▶ Licence Bike.....	15
▶ ReTIS / ReTIS Truck.....	16
▶ Digital lighting alignment device Premium.....	19
▶ Lighting alignment device Smart.....	20
▶ Analog lighting alignment device LOGIC.....	21
▶ Master Alt.....	22
▶ Alt Diag Pro.....	23
▶ Hybrid Starter.....	24
▶ Bat Expert Pro.....	25
▶ iBat Expert Pro.....	26
▶ Battery charger BAT 100.....	31
▶ ATF Extra PRO.....	32
▶ MM-TC200.....	33
▶ On Line ATF Database.....	34
▶ Ultrasonic baths.....	40
▶ MM ES.3.....	42
▶ MM Series GS2/GS4.....	43
▶ MM Series GD1R/GDU*R.....	44

AIR CONDITIONING

▶ Alaska START.....	46
▶ Alaska START HFO.....	47
▶ Alaska BUS.....	48
▶ Alaska PREMIUM.....	49
▶ Alaska PREMIUM HFO.....	50
▶ Ozone Maker / Ozonator MX4000.....	52
▶ AC Flush PRO / Cool Weather.....	63
▶ Quick repair systems SMART.....	68

DIESEL

▶ MM Series DS1R.....	72
▶ MM Series DS2R.....	73
▶ MM Series CRU2R.....	74
▶ MM Series MTBR.....	76
▶ MM Series TBCR.....	78
▶ MM Series UIPR.....	79

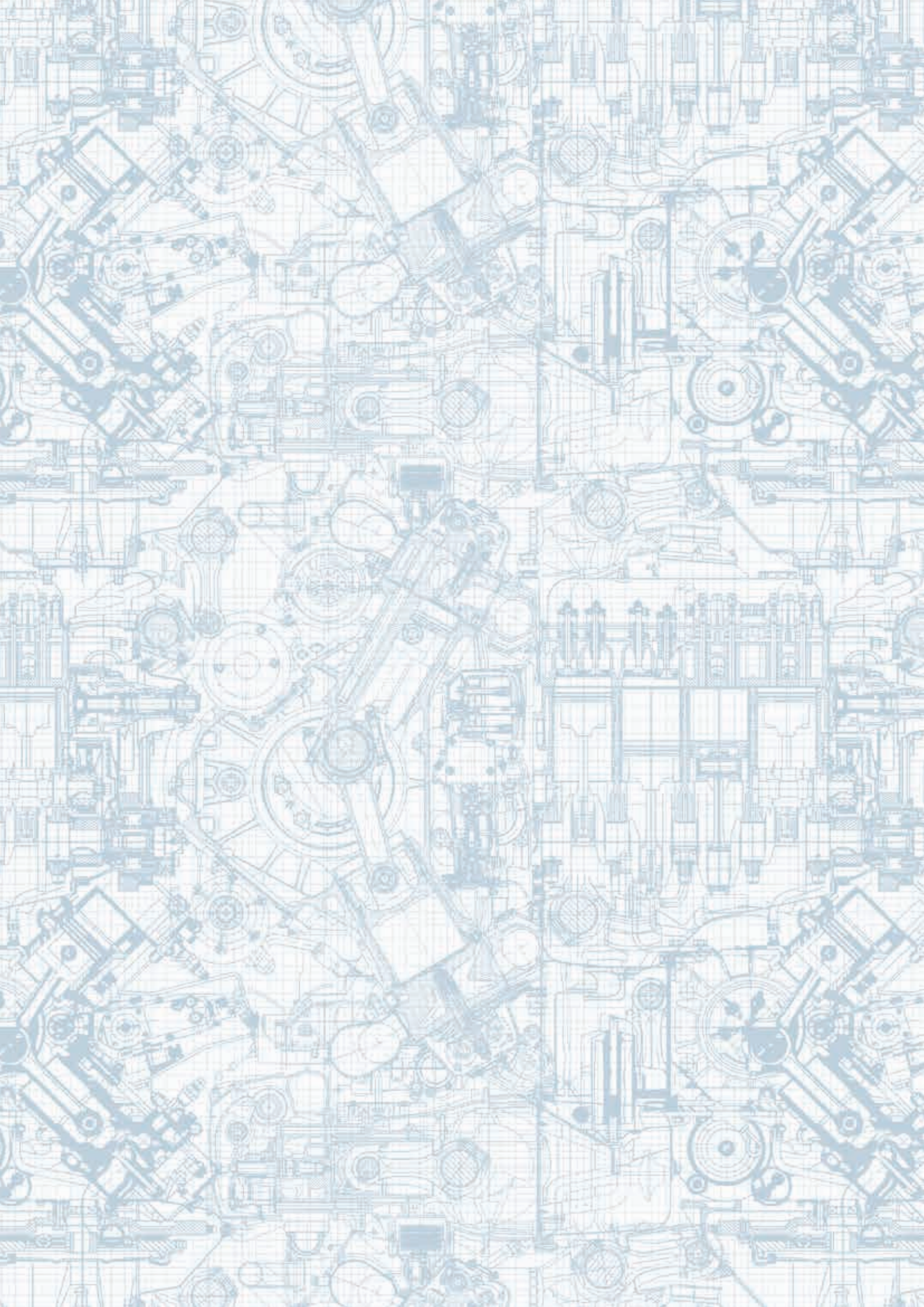
WHEEL ALIGNMENT AND TYRE SERVICE

▶ C880.....	100
▶ C880 TILT / C880.....	101
▶ C200 / C400.....	102
▶ Tyre changers.....	104
▶ Wheel balancers.....	108

TOOLS, CHEMICAL PRODUCTS, CLOTHES

▶ Oil aspirators.....	114
▶ Waste oil drainers.....	115
▶ Grease dispensers.....	116
▶ Trolley with 206 tools MM-TT206.....	118
▶ Pneumatic impact wrenches.....	120
▶ Chemical products.....	121
▶ Professional workshop lamps.....	122
▶ Overall / Trousers with shoulder straps.....	126
▶ Trousers / Working apron.....	127
▶ Vest / Jacket.....	128
▶ Blouse / Polo.....	129
▶ T-Shirt / Backpack.....	130
▶ Workshop shoes.....	131

ONLINE CATALOGUE: <http://mmwe.eu>
<http://magnetimarelli-checkstar.pl>





**MAGNETI
MARELLI**

DIAGNOSTIC TOOLS



Tester Flex

007935800080



Selected by the Chrysler technical academy as the only universal device for diagnostics training at Chrysler in the US.

Basic set includes:

- ▶ TESTER FLEX
- ▶ one eobd cable
- ▶ one extension of the eobd cable
- ▶ one power cable to the battery clamps
- ▶ one oscilloscope cable with bnc 4mm, 2.7m, red
- ▶ one oscilloscope cable with bnc 4mm, 2.7m, blue
- ▶ one multimeter cable, black
- ▶ one multimeter cable, red
- ▶ one small clamp, red
- ▶ one small clamp, black
- ▶ one choke 20: 1
- ▶ one set of needle tip
- ▶ hook for attaching the tester in the car
- ▶ software disc
- ▶ Quick Start Guide
- ▶ bag

Options:

- ▶ 007935830020 – AC adapter
- ▶ 007935901060 - Hook for attaching in-car tester
- ▶ 007935901070 – Probe for testing coils Flex Tester



Technical parameters:

- ▶ screen 3"
- ▶ available car / truck / bike software
- ▶ available Magneti Marelli procedures
- ▶ wireless communication
- ▶ wireless communication
- ▶ Lightweight and compact design with protective cover anti-slip cushioning surface
- ▶ integrated display for easy operation with the device
- ▶ built-in 2-channel oscilloscope
- ▶ built-in multimeter
- ▶ connection via USB or wireless by bluetooth
- ▶ set of software, wires and accessory for oscilloscope use.

Special features:

- ▶ OK, Plus Magneti Marelli Know-how, Easy Fix and Easy Scope functions
- ▶ Innovative integrated tester with serial diagnostics, multimeter and Oscilloscope in common housing
- ▶ test drive registration function of the vehicle.
- ▶ full description of the behavior of the vehicle saved in the tester
- ▶ possibility of revision of previously registered tests

Oscilloscope parameters:

SOFTWARE	OSCILLOSCOPE
Mathematical functions	Reciproca, CH1+CH2, CH1-CH2, CH1xCH2, CH1/CH2
Zoom (10,000 point)	Maximum, minimum, own measurement
Real time	Maximum, minimum, period, frequency, DC average, Full cycle, peak-to-peak voltage, AC RMS; falling time, rising time; High Pulse, Low Pulse, real RMS
Component analysis	Easy Scope includes: technical details, a manual how to check specific components, automatic oscilloscope settings
Indications	Time, amplitude, time and amplitude
Functions	FFT Functions, binary CAN signal analysis
RAM buffer for recording measurements	Permanent saving of the displayed window in internal RAM
Logger	Saves the test log in the device memory
Recording and recalling	Saves the oscilloscope and multimeter indications Possibility to recall records for comparison

ACCESSORIES



The kit for the current analysis includes:

007935901080

- ▶ 1 measuring terminal 20/60A
- ▶ 1 measuring terminal 600A
- ▶ 1 fuse test adapter 308B
- ▶ 1 fuse test adapter 307C
- ▶ 2 battery terminals

Set of special probes for FLEX:

007935901090

- ▶ 1 black needle lead
- ▶ 1 red wire completed needle
- ▶ 1 small red claw-crocodile clip
- ▶ 1 small black crocodile clip
- ▶ 1 choke 20: 1
- ▶ 1 big red crocodile clip
- ▶ 1 big black crocodile clip
- ▶ 1 universal cables 1.5mm
- ▶ 1 universal cables 2.3mm



Advanced feature:

- ▶ full diagnostics: parameters, states, error codes, activation, component coding, technical diagrams, reports, logging test run.

ACCESSORIES

Workshop Trolley

007935830170



Probe For Tester Flex

007935901110



Logic

007935800010



Magnet Marelli Logic - an interface that enables testing of PC-based vehicles. Communication between the cooperating computer and the tester is performed wirelessly, thanks to the Bluetooth technology, or in a classic way - with the use of a USB cable. It also includes a built-in multiplexer; the tester - vehicle connection and the vehicle testing can be carried out without using of any external devices.

The price of Magnet Marelli Smart and Logic devices includes an annual subscription, activated from the moment the device runs for the first time.

Magnet Marelli Logic:

- ▶ Compact cover, with anti-fall and anti-shock rubber protection
- ▶ Built-in Bluetooth antenna
- ▶ Built-in multiplexer
- ▶ Readable and easy-to-use software, available in Polish language
- ▶ The kit includes: EOBD lead, car cigarette lighter and car battery power supply lead, CD with software

ACCESORIES

USB Cable For Logic

007935830180



Technical parameters:

- ▶ Processor, memory: Fujitsu MB96F543 + Altera EPM77128SQ, 128kB RAM
- ▶ Communication protocols: ISO9141, ISO14230, J1850PWM, J1850VPW, ISO15765, RS485, CAN C, J2411 Euro 4/5
- ▶ Supply voltage: 8 – 36V
- ▶ Multiplexer: 13 x 2 canals, build-in
- ▶ Communication with a PC: Bluetooth, USB

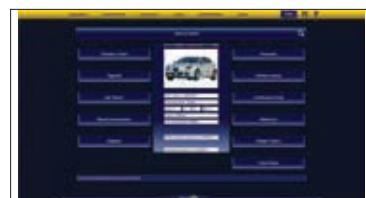
VIN scanning

This function allows you to recognize and locate the vehicle and then diagnose it based on the VIN code.



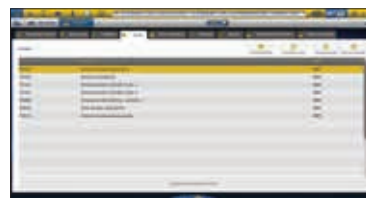
Integrated Databases

The menu allows getting additional information about parts, services and technical information.



Vehicle diagnostics

We can quickly run diagnostics of any vehicle driver.



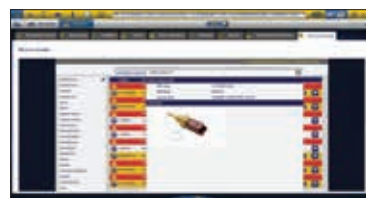
Error analysis

The program provides in-depth error analysis along with technical information on how to solve them.



Spare parts search

If a fault occurs in a vehicle, you can access the most popular spare parts list including information about replacements and their price. Magneti Marelli spare parts are also available in the database, highlighted on the display, such as drawings, images and technical specifications.



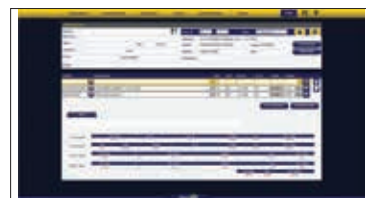
Find parts in the graphic navigation

Through an error code we have access to the unique spare parts database associated with the fault code where we can see, and verify technical parameters of the part.



Invoices / Accounts

The program allows you to create and print a confirmation, a bill or an invoice for the end customer.



Ordering parts



+ Plus

The program allows you to view live reference parameters with the reading of current parameters enabled.

Scan DTC



Scanning the whole vehicle and all its control units together with the possibility of quick troubleshooting.

OK function

It allows direct selection of functions to be performed, without knowing how many and which control units will participate in the selected process. Represents a DIAGNOSTIC PHILOSOPHY FOR EVERYBODY, SIMPLE, SAFE AND ACCURATE. Ensures fast interaction with the system, even for non-expert users.

Easy Diag

By selecting a component and clicking "Connection and electrical board" we will automatically receive technical information about the selected element.

- Select the correct one from the list of tests and press "Perform test" and all diagnostic parameters will be automatically set for the test. The results will be displayed on the same page.
- Purpose: - For quick identification of the source of the fault.
- To avoid unnecessary replacement of good components.

Easy Scope

A useful function that contains standard oscilloscope waveforms for selected components and sensors - diagnosing with an oscilloscope has never been so easy.

TPMS

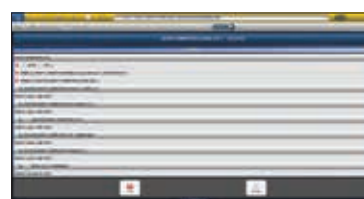
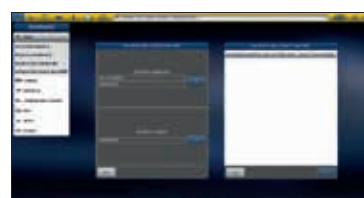
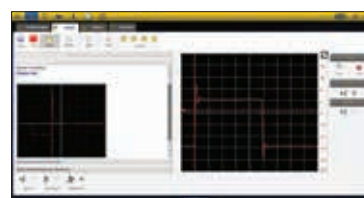
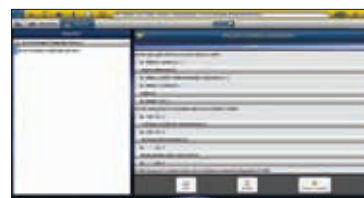
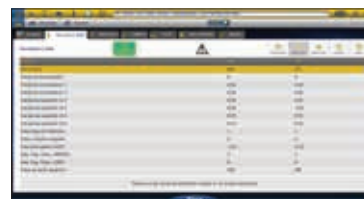
Possibility of connect to a TPMS control unit for its configuration or to assign new sensor codes

VIN scanning

This function allows you to recognize and locate the vehicle and then diagnose it based on the VIN code.

ECU scanning

The software automatically identifies and recognizes an ECU that can be mounted in the vehicle to avoid problems with incorrect displaying of parameters or errors.



Vision

007935800020



TESTER VISION

- ▶ Shock-resistant construction, with additional rubber protection
- ▶ 8" diagonal touch screen: resolution 800x600, 262144 display colors
- ▶ Internal battery charge via OBDII diagnostic connector and through a power supply adapter
- ▶ Integrated wireless communication module
- ▶ System extension connectors: 3 x USB, endoscope, CNG/LPG probe, refrigeration gases
- ▶ Supported protocols: KL-ISO9141, ISO14230-K, J1850 VPW, J1850 PMW, CAN (Lo/Hi-Speed), RS485, ISO15765, SAE J2610, ISO11992, SAE J2411, SAE J1939, ISO 11992, RS232, J2534-3
- ▶ Oscilloscope: 4 channels, sampling 15 MS/s, display resolution 8 bit
- ▶ Multimeter: display resolution 10 bit, electrical isolation of multimeter/oscilloscope
- ▶ Available diagnostics CAR / TRUCK / BIKE
- ▶ Built-in 4-channel oscilloscope and multimeter
- ▶ Built-in Magneti Marelli procedures
- ▶ The possibility of wireless communication
- ▶ Annual subscription included

Functions:

- ▶ Full diagnostics: parameters, statuses, error codes, activations
- ▶ Encoding of components, technical schematics, reports, recording of tests
- ▶ Road tests with a possibility of graphical results presentation
- ▶ Special functions: OK, Plus Exclusive Magneti Marelli know-how
- ▶ 4-channel oscilloscope with graphical results presentation
- ▶ A readable LCD display for a clear analysis of diagnosis results
- ▶ Displaying of images from an external endoscope directly on the Vision tester screen (optional)
- ▶ Finding leaks in LPG/CNG and A/C systems (optional)
- ▶ Wireless Bluetooth connection for communication and remote diagnostics from a computer
- ▶ Integrated Diagnostics/Oscilloscope/Technical bulletins together with instructions for error codes recognition and analysis, also with the use of oscilloscope
- ▶ Possibility to change a display mode from horizontal to vertical



ACCESSORIES

Docking Station - For Vision Only

007935800040

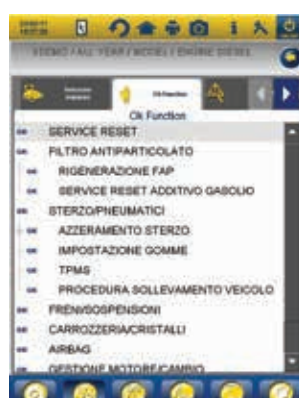


Video Endoscope - For Vision Only

007935911960



	Technical data
Processor	ARM Stellaris TEXAS LM3S2793 CORTEX-M3
Sampling rate	10 MHz
Sampling speed	25 MS/s
Memory	64 K
Galvanic isolation	YES
Number of channels	4
Measured parameters	Voltage, Resistance, Diode test
Tolerance	1%
Input impedance	0.1 M
Input signal	DC, AC
Max. input voltage	Max 200 V
Sensitivity	10 steps 0.1 V/div – 20 V/div
Resistance	1 Ω /div – 100 kΩ/div
Resistance measurement	max. 1 MΩ



Easy Diag



RICERCA CENTRALISA

--- BODY COMPUTER (2.040.021) 01/01/2008 04:00:00 PM

X	TIMCOW (05-)	
X	MARELLI 9 (07-)	
X	MARELLI 9 (CAN) (07-)	
X	MARELLI 2 (08-)	
X	MARELLI 2 (KL) (08-)	
X	CALSONIC-KANSEI (06-)	
X	--- CALSONIC-KANSEI (KL) (06-)	
✓	DELPHI BODY COMPUTER EP 3 (05-)	
✓	BODY COMPUTER (13-)	
	--- BODY COMPUTER (CAN) (13-)	



007935800170

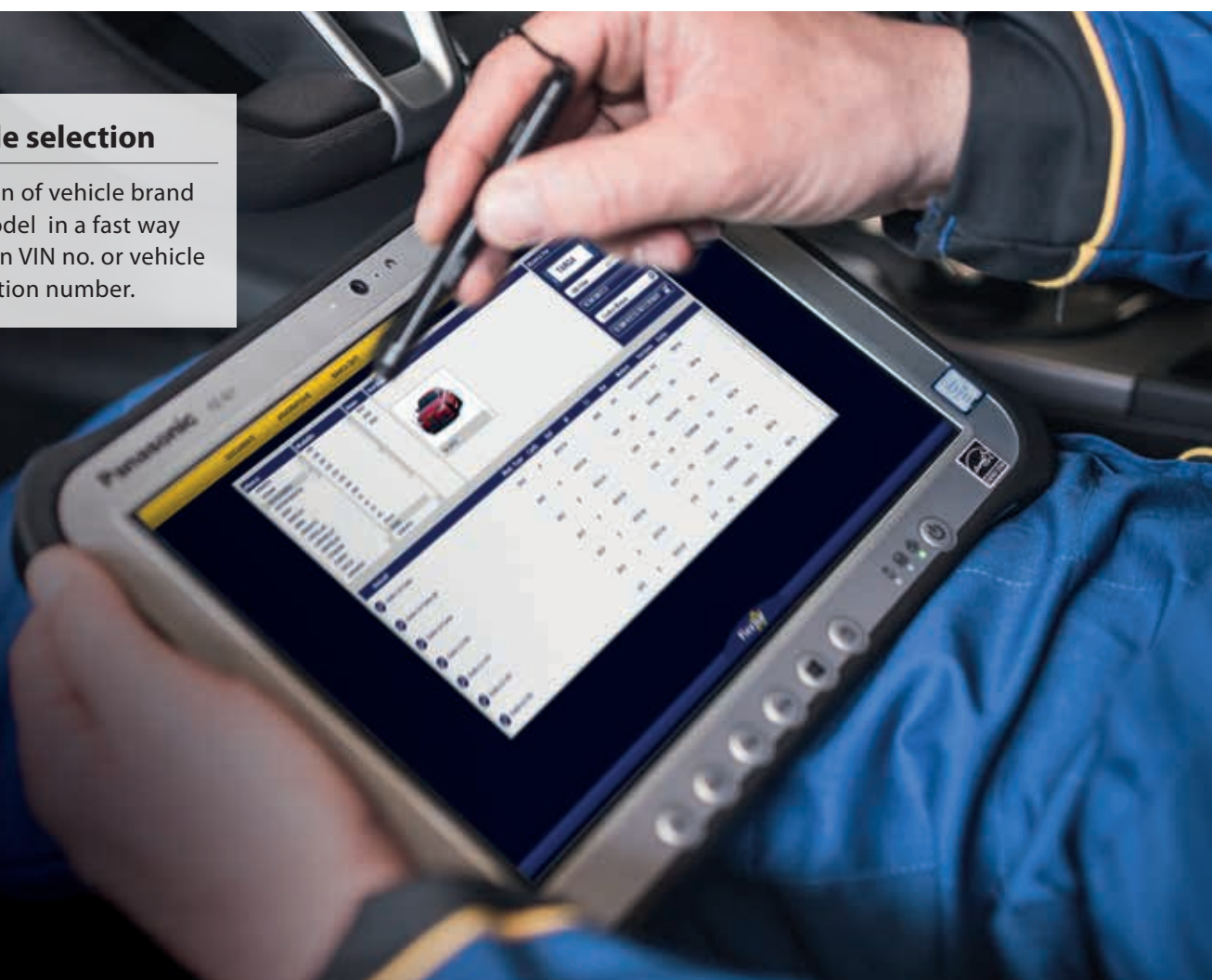
Flex star is a modern diagnostic and informative platform, which combines Diagnostic Flex tester software with technical database and service platform for end- users.

Allows for integrated workshop management, searching for technical data and information and diagnostics. Allows you to select a vehicle based on brand / model selection as well as search by VIN code, registration number or engine code. Deep error code analysis combined

with a possibility to view electrical diagrams and oscilloscope diagnostics allows approaching repairs of components in a comprehensive and fast Navigation in the program with a user-friendly graphical interface both in diagnostic part and dedicated to search of spare parts, based on data from more than 450 component manufacturers. Flex Star allows for quick scan of DTC codes, their analysis and automatic move to the database of spare parts necessary for repair and removal of faults, man-hours. Then it allows printing a bill of sale or invoice.

Vehicle selection

Selection of vehicle brand and model in a fast way based on VIN no. or vehicle registration number.



VIN scanning

This function allows you to recognize and locate the vehicle and then diagnose it based on the VIN code.



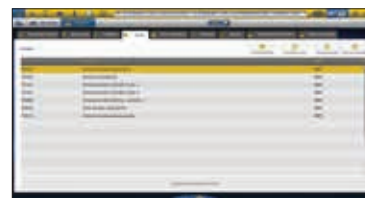
Integrated Databases

The menu allows getting additional information about parts, services and technical information.



Vehicle diagnostics

We can quickly run diagnostics of any vehicle driver.



Error analysis

The program provides in-depth error analysis along with technical information on how to solve them.



Spare parts search

If a fault occurs in a vehicle, you can access the most popular spare parts list including information about replacements and their price. Magneti Marelli spare parts are also available in the database, highlighted on the display, such as drawings, images and technical specifications.



Find parts in the graphic navigation

Through an error code we have access to the unique spare parts database associated with the fault code where we can see, and verify technical parameters of the part.



Invoices / Accounts

The program allows you to create and print a confirmation, a bill or an invoice for the end customer.



Ordering parts



TPMS

Connect EVO

007935900385

The TPMS Connect Evo Tester is a pressure measurement, testing and coding device for wireless tire pressure control systems.



TPMS CONNECT:

- ▶ The vehicle testing function allows for checking sensors and sensor batteries for proper operation when accepting a vehicle for servicing (prior to making any interventions)
- ▶ Identification of ID sensors without disassembling them.
- ▶ It allows for checking functioning of the TPMS system and pressure in tyres upon completion of service activities
- ▶ It allows for verifying errors and reasons for possible lighting of the TPMS indicator on the dashboard
- ▶ Wireless measurement of temperature and pressure in tyres
- ▶ It facilitates car servicing activities related to wheels and the TPMS system through indicating the torque for tightening the sensor to the wheel and valves
- ▶ A reprogramming set allows for programming sensors in vehicles through a diagnostic outlet.



Tyre pressure monitoring is obligatory for all new vehicles since 2014.

Features:

- ▶ **VEHICLE ACCEPTANCE:** The vehicle testing function allows for checking sensors and sensor batteries for proper operation when accepting a vehicle for servicing (prior to making any interventions - it allows to record and print out test reports for customers (through the PC).
- ▶ **REPAIR:** It facilitates car servicing activities related to wheels and the TPMS system through indicating the torque for tightening the sensor to the wheel and valves, pressure in tyres and pressure sensor codes for spare part replacement.
- ▶ **VEHICLE RELEASE:** It allows for checking functioning of the TPMS system and pressure in tyres upon completion of service activities. By connecting the TPMS tester to the PC, a complete report from the test conducted can be printed out.

Supported car brands:

Samochody osobowe: Acura, Alfa Romeo, Audi, Bentley, BMW, Bugatti, Cadillac, Chevrolet, Chrysler, Citroen, Dodge, Ferrari, Fiat, Ford, Honda, Hyundai, Hummer, Infiniti, Jeep, Kia, Lancia, Land Rover, Lexus, Maserati, Mercedes-Benz, Mercury, Mini, Mitsubishi, Nissan, Opel, Peugeot, Porsche, Renault, Saab, Skoda, Toyota, Volkswagen, Volvo.

Motor trucks: Renault, Man, Mercedes-Benz.

Motorcycle: BMW- Motorrad.

ACCESSORIES

- ▶ 007935910260 TPMS Connect Evo - License
- ▶ 007935910255 Subscription Tpms Evo
- ▶ 007935900395 Kit OBD for TPMS Evo
- ▶ 007935910270 TPMS Connect Evo OBD - License
- ▶ 007935910245 Subscription Tpms Evo EOBD

UNIVERSAL SENSORS



- ▶ 007935340000 Sensor TPMS EZ 2.0 Rubber for steel rims



- ▶ 007935340010 Sensor TPMS EZ 2.0 Aluminium for alloy rims with regulated angle 0-40 degrees



Software PC

Through dedicated software, you can: update your product, manage the customer database and store your activities.

OBD Road

007935800050

- ▶ Dimensions: 43,50 x 22,50 x 25,15 mm
- ▶ Weigh: 20g
- ▶ Operating temperature: -40°C a +85°C



EOBD parameter and error logger

OBD - Road

- ▶ 4 Mb internal memory for data recording
- ▶ Can record 8 parameters with the sampling time of 5 seconds for a period of 170 hours
- ▶ Two-color LED diode (red/green) for signaling of the device status
- ▶ Buzzer for sound signals of important events (errors, programmed functions, etc.)
- ▶ Communication protocols: SAEJ1850VPW, SAEJ1850PWM, ISO 9141, ISO 14230, ISO 11898 CAN
- ▶ USB 2.0 port for PC connection
- ▶ Updates of the device via Internet
- ▶ Compatibility with Windows XP, Vista and Windows 7 (32bit and 64bit)
- ▶ Supported supply voltage 12 and 24 V (for Truck - Bus uses)
- ▶ Lithium battery with an option of charging via an EOBD socket
- ▶ Protective system against unplugging of the device from the EOBD socket

Functions:

- ▶ Transfer of data from the device's memory and the detailed analysis of errors/consumption
- ▶ Driving style analysis in terms of fuel consumption, and confrontation of the data after the repair of the vehicle
- ▶ Driving control system with an acoustic real time signaling of the driver's errors, with a possibility of configuration through a PC (e.g. rapid acceleration, exceeding the set speed, etc.)
- ▶ Verification of the parameters important in the diagnostics of LPG/CNG supply systems
- ▶ Possibility of printing out of a report on the monitored vehicle
- ▶ Possibility of setting of a sampling time through a PC
- ▶ EOBD real time diagnostics with the parameters' preview visualization/deleting of errors (except for P1XXX), Freeze Frames feature
- ▶ ECO-DRIVE function for proper driving style management



Accessories and parts for testers

Accessories	Flex	Vision	Body	Logic
007935900440 - DM01 Adapter cable	✓	✓	✓	✓
007935900450 - DM02 - Adapter For Tester Tech	✓	✓	✓	✓
007935900460 - DM03 - Adapter For Tester Tech Truck	✓	✓	✓	✓
007935911540 - DM04 - Adapter For Brain Bee	✓	✓	✓	✓
007935911530 - DM05 - Adapter For Protech	✓	✓	✓	✓
007935911900 - DM06 - Adapter For Motorscan	✓	✓	✓	✓
007935911910 - DM07 - Adapter For Spx	✓	✓	✓	✓
007935901080 Amperometric clamps for oscilloscope in FLEX	✓	✓		
007935901100 Docking Station For Tester Flex	✓			
007950006420 Bluetooth	✓	✓		✓
007935830020 Power supply	✓	✓	✓	✓
007935900550 641 Diagnostic Cable EOBD	✓	✓	✓	✓
007935830180 USB Cable For Logic				✓
007935830185 USB/ST Cable for HW9				✓
007935800040 Docking Station - For Vision Only		✓		
007935912010 SD 16GB card		✓		
007935912000 SD Card For Magneti Marelli Smart			✓	

Licence Car Diagnosis

007935800100

Car license developed in a comprehensive way allows full access to all diagnosis of the following categories of vehicle:

- ▶ Personal cars
- ▶ Light commercial vehicles
- ▶ Pickup trucks

▶ 007935910000
Subscription Sw Car



▲ European Car Cable Kit



▲ Asian Car Cable Kit

European Car Cable Kit

007935900390

Diagnostic Cable Ford 3-5 Pin	007935900490
Diagnostic Cable Renault 12 Pin	007935900530
Diagnostic Cable Psa 30 Pin	007935900560
Diagnostic Cable Mercedes	007935900590
Diagnostic Cable Iveco Daily	007935900620
Power Supply Cable - Battery	007935900470
Diagnostic Cable Opel	007935900520
Diagnostic Cable Psa 2 Pin	007935900540
Diagnostic Cable BMW	007935900570
Diagnostic Cable Mercedes Sprinter	007935900610
Diagnostic Cable Fiat	007935900510

Asian Car Cable Kit

007935900400

Diagnostic Cable Daewoo	007935900600
Diagnostic Cable Hyundai-Mitsubishi	007935900630
Diagnostic Cable Nissan	007935900640
Diagnostic Cable Toyota 17 Pin	007935900670
Diagnostic Cable Suzuki 4-6 Pin	007935900690
Diagnostic Cable Suzuki	007935900840
Diagnostic Cable Kia	007935900650
Diagnostic Cable Honda 3-5 Pin	007935900680
Diagnostic Cable Subaru 9 Pin	007935900700
Power Supply Cable - Battery	007935900470
Diagnostic Cable Fiat	007935900510

Licence Truck Diagnosis

007935800130

SYSTEM ENABLES FULL DIAGNOSTICS OF TRUCK SYSTEMS, ACTUAL PARAMETERS READOUT, FAULT CODES READOUT, ACTIVATION OF ACTUATING ELEMENTS, INJECTOR TESTING.

- ▶ Trucks, trailers, semitrailers
- ▶ Light commercial vehicles
- ▶ Buses

▶ 007935910030
Subscription Sw Truck



▲ Bus Car Cable Kit



▲ Truck Cable Kit

Truck Cable Kit

007935900420

700 Diagnostic Cable Renault 12 Pin	007935900810
651 Diagnostic Cable Iveco Daily	007935900620
671 Diagnostic Cable Volvo Truck	007935900730
674 Diagnostic Cable Man Truck	007935900760
607 Diagnostic Cable Fiat	007935900510
547 Power Supply Cable - Battery	007935900470

Trailer Cable Kit

007935900430

672 Diagnostic Cable Wabco Trailer	007935900740
681 Diagnostic Cable Haldex (Can Line)	007935900790

650 Diagnostic Cable Mercedes Sprinter	007935900610
670 Diagnostic Cable Daf-Scania	007935900720
678 Diagnostic Cable Man Truck 4+8 Pin	007935900770
646 Diagnostic cable extension - 3m	007935900580
673 Diagnostic Cable Iveco Truck	007935900750

684 Diagnostic Cable Haldex (K Line)	007935900800
---	--------------

Licence Motorcycles Diagnosis

007935800140

SYSTEM ENABLES FULL
DIAGNOSTICS OF
MOTORCYCLES

► 007935910040
Subscription Sw Bike

Motorcycles Cable Kit

007935900410

600 - Universal Diagnostic Cable	007935900480
PFM003 Diagnostic Cable Kawasaki ('03-'06)	007935900820
PFM005 Diagnostic Cable Harley Davidson '00	007935900900
PFM009 Diagnostic Cable BMW 2	007935900920
PFM010 Diagnostic Cable Honda '06	007935900850
PFM011 Diagnostic Cable Suzuki	007935900840
PFM012 Diagnostic Cable Kawasaki ('07>)	007935900830



▲ Motorcycles Cable Kit

PFM006 Diagnostic Cable BMW	007935900860
PFM007 Diagnostic Cable Honda 3 Pin	007935900870
PFM008 - Diagnostic Cable Honda Immobilizer	007935900930
PFM015 Diagnostic Cable Ducati >'08	007935900950
PFM013 Diagnostic Cable KTM	007935900940
S607 - Diagnostic Cable Fiat	007935900510



Software for car workshops

ALSO AVAILABLE TRUCK VERSION

ReTIS

099992670300

Retis On Line Workshop
Software Yearly Licence 12 Months

ReTIS Truck

099992670405

Retis Truck-Truck Software 12 Months
Licence On-Line



Repairing Technical Information System

Currently, in order to fulfill the needs of a professional car workshop, technical documentation provided in a printed form is not sufficient. To meet the customers' expectations, Magneti Marelli have created the ReTIS programme - an effective instrument for fast technical consultation in all operating car parks. New content, further adapted to the current needs, and renewed graphics make the programme even more user friendly.

Retis system is a large database that includes technical information concerning passenger cars and trucks, with petrol and diesel engines. The programme is available on a CD or in the form of an On-Line access. Programme license is issued in the form of an annual subscription, thanks to which free updates are available to the customers. 099992670400 (On-line)

RETIS IS A BANK OF TECHNICAL DATA THAT SUPPORTS A MECHANIC DURING DIAGNOSING AND REPAIRING OF DEFECTS.

The system includes information on:

- ▶ vehicle identification
- ▶ planned technical reviews
- ▶ information on the adjustments performed
- ▶ lubricants and operating fluids
- ▶ technical data concerning the engine and the adjustments
- ▶ technical drawings
- ▶ engine control (and localization of the components)
- ▶ ABS
- ▶ Air- Bag
- ▶ fuses and relays
- ▶ air-conditioning
- ▶ electrical connections schematics
- ▶ repair and maintenance times
- ▶ bodywork (disassembly and assembly of components)
- ▶ comfort systems (electrical schematics and functioning)
- ▶ EOBD error codes interpretation

Maintenance

- ▶ List of operations required during the control reviews

Engine - repair instructions

- ▶ Clear pictures with explanation and indication of the repaired areas, and with the values required for a proper control and adjustment.

Elektronics - engine control

- ▶ Components setting and adjustment, with a schematic of electrical connections and of the connections between the system components. Clicking on a description opens a corresponding page.

Adjustment data

- ▶ A wide range of information on the adjustments: from the engine to the tires.

External part / interior

- ▶ Data, drawings and repair guidelines for the systems situated in the cabin and in the body 6.600 engine control systems Thousands of electrical connections schematics Millions of specified repair times

Service&Repair

009999269500



The base provides a wide range of information about:

- Diagnostics
- Maintenance
- Repairs for workshops

Also:

- More than 14000 models in the database
- Parameters directly from manufacturers
- Access to all databases of update data
- Cost calculator
- Assignment of elements
- Interactive connection diagrams
- Easy to move between works
- Quick fault code search
- Access from several devices

A range of materials and instructions together with drawings provides comprehensive support for vehicle mechanics of any type and avoids potential errors in providing services in the field of automotive technology.

Technical information leader

Autodata, founded in 1975, is the world's leading provider of technical information on the aftermarket. Our mission is "to be the most innovative, accurate and respected supplier of technical information on the aftermarket". To achieve this, the basis of our philosophy is a continuous involvement in innovative solutions that allow for creation universal products that we design in response to our customers' needs.

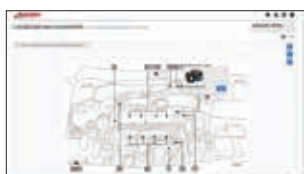
We are able to achieve this with our highly qualified 180 experienced staff in seven countries in the world. Most of them are directly involved in product development.

What do we do?

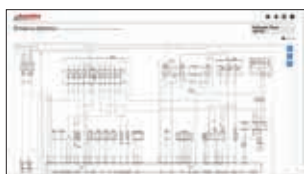
- We create products that are used in workshops during repair and service of vehicles. Our database, including over 29,000 models from around the world, obtained direct license from more than 80 car manufacturers.
- The information we provide is the result of a study by our specialists with experience in the automotive industry, perfectly understand the functioning of vehicles and the way in which technical information is applied in a modern car workshop.
- This information is edited by us in such a way that it retains the same style and format, so you do not need extra interpretation when the work is done on models of different manufacturers. Our internal team of computer graphics creates detailed supportive illustrations that complement the technical specifications and they enhance the user's experience.
- This joint effort allows us to create information that is relevant, timely, comprehensive and of the highest quality. The result is an interactive and friendly system that covers all the latest technologies.



Service drawings



Driver search engine



Cable diagrams



Symbols of lights

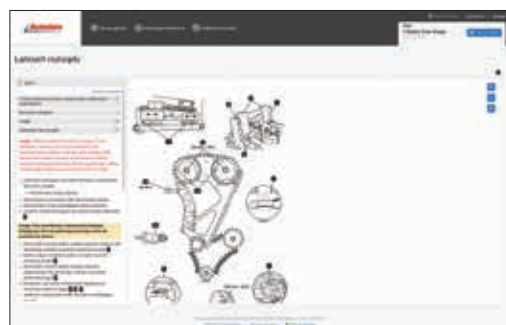
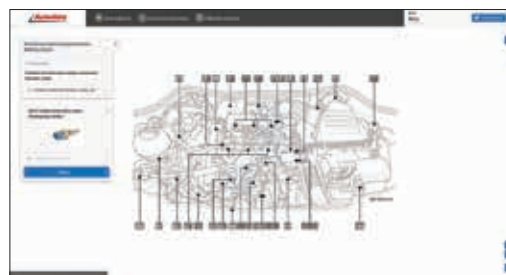


Replacing the camshaft

Precise information on
tightening and handling.

Types of licenses:

- ▶ 009999269500 Autodata Online 3 "Service&Repair"- yearly licence for 1 stand
- ▶ 009999269502 Autodata Online 3 "Service&Repair"- yearly licence for 2 stands
- ▶ 009999269505 Autodata Online 3 "Service&Repair"- yearly licence for 5 stands
- ▶ 009999269501 Autodata Online 3 "Service&Repair"- yearly renewal for 1 stand
- ▶ 009999269503 Autodata Online 3 "Service&Repair"- yearly renewal for 2 stands
- ▶ 009999269506 Autodata Online 3 "Service&Repair"- yearly renewal for 5 stands
- ▶ 009999269600 Autodata Online 2 "Service &Maintenance"- yearly licence for 1 stand
- ▶ 009999269602 Autodata Online 2 "Service &Maintenance"- yearly licence for 2 stands
- ▶ 009999269605 Autodata Online 2 "Service &Maintenance"- yearly licence for 5 stands
- ▶ 009999269601 Autodata Online 2 "Service &Maintenance"- yearly renewal for 1 stand
- ▶ 009999269603 Autodata Online 2 "Service &Maintenance"- yearly renewal for 2 stands
- ▶ 009999269606 Autodata Online 2 "Service &Maintenance"- yearly renewal for 5 stands
- ▶ 009999269512 Autodata Online Motorcycles - yearly licence for 1 stand
- ▶ 009999269513 Autodata Online Motorcycles - yearly licence for 2 stands
- ▶ 009999269514 Autodata Online Motorcycles - yearly licence for 5 stands
- ▶ 009999269511 Autodata Online Motorcycles - yearly renewal for 1 stand
- ▶ 009999269515 Autodata Online Motorcycles - yearly renewal for 2 stand
- ▶ 009999269516 Autodata Online Motorcycles - yearly renewal for 5 stand



NEW

Digital lightning alignment device PREMIUM

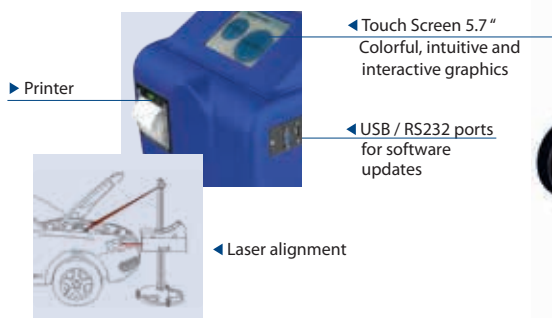
007935902020

An electronic device for controlling the setting of lights, equipped with a camera for full analysis of each type of lights in each type of car.



Technical data:

- ▶ Proven and easy positioning method with respect to the vehicle: by using a broadband laser beam, optionally the device can be equipped with laser positioning of the center of the headlight (cross laser)
- ▶ Trolley on wheels with the possibility to adjust the optimal level required during the test (level in the head)
- ▶ The column is equipped with a balanced system to facilitate the movement of the optical box
- ▶ The plastic injection molded box contains a 230 mm diameter glass lens. The design features allow for control of a deviation from the mechanical position of the light beam by 1 cm / 10 m.
- ▶ Optical box is equipped with RS232 connector and USB input
- ▶ Equipped with printer and touch screen
- ▶ Connect the instrument to a computer and record the result and print the report
- ▶ The user can change the tolerance ranges of the performance evaluation



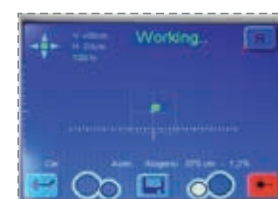
Camera Software Specification:

- ▶ Full measurement of the parameters of all types of lights, including: xenon, led, halogen and conventional, with parabolic, multi-parabolic, projector, diffusion glass, with smooth glass, equipped in AFS and bi-xenon systems.
- ▶ Type of lights: European (right-hand / left-hand traffic), the USA, Japan
- ▶ 6 languages available: Italian, English, German, French, Portuguese and Spanish
- ▶ Available communication protocols: Net1, Net2, Giagnet, for installation on request
- ▶ Software update: using USB, connection 232



ACCESSORIES

- ▶ 007935902050 Set of rails for building-in
- ▶ 007935902055 Set of rails
- ▶ 007935902060 Height sensor



NEW

Lightning alignment device SMART- digital measurment 007935902010

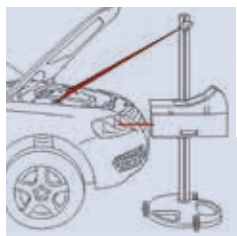


A mechanical device for controlling the lighting alignment with a digital luxemeter.

Technical data:

- ▶ Column equipped with counterweight, the operator can move the optical box in two directions, slightly touching it
- ▶ The plastic injection molded box contains a 230 mm diameter glass lens: the structural features allow for control of the deviation from the mechanical light beam position 1 cm / 10 m
- ▶ The aluminum and steel alloy base has 3 adjustable wheels for perfect positioning of the machine against the floor.
- ▶ Measurement of alignment of dimmed headlights, road and fog lights
- ▶ Measurement of the dimmed headlights and road lights
- ▶ Measurement of the luminance flux in the horizontal plane Precision lens positioning system based on 8 bearings for quick measurement digital display showing the direct result of light beam in kilocandelach [kcd]
- ▶ Possibility of alignment of the light intensity by means of the knob in the range from 0 - 4%
- ▶ Easy and fast measured parameter readings

- ▼ Light intensity measurement
1 in klux / kcd or lux



◀ Laser alignment

ACCESSORIES

- ▶ 007935902050 Set of mounting rails
- ▶ 007935902055 Set of rails



▲ Laser viewfinder

↻ Swivel column
170 cm - height

NEW

Analog lightning alignment device LOGIC

007935902030



A mechanical device for controlling the setting of lights. This type of tool is designed for professional and efficient control and setting of lights in any type of vehicle. The instrument is simple and intuitive to use. It allows for comfort and at the same time for professional use in car workshops, while servicing and maintenance of vehicle lighting. Our device consists of a measuring head in the form of a head equipped with an intelligent lens in the front, while in the back part you can observe the results on the mounted screen. In addition, the device is equipped with a mirror to assist in the measurement of lighting.

The components of the device are made of alloys so that the measurements are of the highest precision and at the same time ensure the safety of use and resistance to the conditions in the car workshop.

The screen in the device is used for precise positioning the device, adjusting the position to the location of the vehicle.

Technical data:

- ▶ Positioning with a mirror
- ▶ Height of column 172 cm
- ▶ 3 wheel stable base
- ▶ Optical box with a 200 mm diameter glass lens
- ▶ Precision adjustment system
- ▶ Digital display showing the result in candelas (kcd)



Master Alt 007935063030



The device can be used to diagnose the charging circuit in cars with:

- alternator charge current provided by the ECU
- control standards COM - LIN, BSS (BSD), SIG, P-D, L-RVC, RLO
- generates currents resembling the actual conditions
- to test the alternators installed in vehicles



General characteristics:

The device can be used to diagnose the charging circuit in cars with alternator charge current provided by the ECU. The device generates currents resembling the actual conditions for the voltage regulators in the car. The device is designed to test the alternators installed in vehicles or on testing tables as well as the regulators alone – with a standard testing device. The device can provide the information on whether the voltage regulator can correctly communicate with the car's ECU and if it responds to required parameters.

Compatible control standards:

- ▶ COM - LIN, BSS(BSD) interfaces
- ▶ SIG – FORD
- ▶ P-D – Mazda
- ▶ L-RVC – GM
- ▶ RLO – Toyota

The test subject selection menu will appear. Select the required parameter the up and down arrow keys and press OK what moves in the test mode. After pressing the knob, the display will present the following information:

- ▶ voltage of the tested circuit (large digits)
- ▶ required voltage (small digits on the top of the display)
- ▶ alternator load DF/DFM [%]



Watch film on:



Alt Diag Pro - alternator bench

007935063050

The Alt Diag Pro is a test bench that allows you to check the alternator or starter performance. This device evaluates the measurement results helping to diagnose damaged system components that may occur in particular test assemblies of the alternator or starter. Our test bench is mainly used for testing alternators of 12V and currents up to 300A and alternators of 24V and currents up to 150A as well as for testing starters with similar parameters.

Supported interfaces for communication with the alternator:

- ▶ COM (LIN, BSS),
- ▶ C,
- ▶ SIG,
- ▶ RLO,
- ▶ L-RVC
- ▶ LAMP



The following types of automated alternator testing are supported:

- 1) Standard, which allows to record the maximum current under load, not exceeding the determined value during the test.
- 2) Efficiency, which give the maximum load current without imposing any restrictions, checking the alternator under load under extreme conditions.

Parameters of use:

- ▶ -Electric power supply - 400V with a frequency of 50Hz at rated current 16A in a system with 3P + N + PE leads. 3.3
- ▶ Compressed air supply via pneumatic 1/2" coupling, ensures proper and secure tension of the V-belt.
- ▶ Touch screen that allows, among others, changes in configuration and position settings while also providing comfortable control conditions and clarity of displayed information and messages along with parameter under analysis.

Parameters that can be measured and analyzed by a user:

- ▶ maximum power of the starter,
- ▶ maximum starter current (starting current),
- ▶ average starting voltage
- ▶ average starting current



Parameters to be analyzed by Alt Diag Pro bench:

- ▶ graph of current ripple,
- ▶ maximum alternator current,
- ▶ alternator leakage current,
- ▶ Voltage Set Point,
- ▶ turn on speed,
- ▶ DFM value,
- ▶ performance curve,
- ▶ maximum power of the alternator,
- ▶ WINDING value.

Alt Diag Pro features:

- ▶ Compact size 80 [cm] x 70 [cm] x 110 [cm]
- ▶ Possibility of testing alternators with interfaces: LIN, BSS, SIG, RLO, RVC, C
- ▶ DFM signal reading (M, FR, DF, LI, F)
- ▶ 8.5 hp engine
- ▶ Operation of 12 and 24 V alternators and starters
- ▶ Maximum alternator load 300 A
- ▶ Built-in oscilloscope for measuring ripple current
- ▶ Detect damaged diodes and stators
- ▶ Possibility to run fully automated test for alternators
- ▶ Basic diagnostic function of the starter
- ▶ Pneumatic belt tension of alternator
- ▶ Includes plugs and adapters for fixing different types of alternators
- ▶ Industrial touch screen (possibility to work wearing gloves)
- ▶ Automatic test results recording
- ▶ Possibility to print the test run
- ▶ Rich alternator base
- ▶ Option to update the table via USB

Hybrid Starter

007936311000

12V 4500A

007936311010

12/24V 12000 / 6000A

**Emergency booster start
"Hybrid Starter" 12-24 V**



Magneti Marelli enriches its offer with the latest emergency vehicle engine starting solution.

Hybrid Starter is not a common booster usually encountered on the market. The patented hybrid technology which enables recovery of residual energy stored in the car electrical system, which enables effective momentary increase of starting current and helps to start the engine. The maximum momentous starting current is as high as 4,500A. The hybrid design allows for a structure without a starting battery inside, which reduces the weight effectively and helps to avoid problems with periodical charging.

007936311000

- ▶ Voltage 12V
- ▶ Starting current 4500A
- ▶ Life (*) 1.000.000 cycles
- ▶ First charging 30min, power supply unit included
- ▶ Charging duration 5 min
- ▶ Quick charging (**) 15-60 sec
- ▶ Charger
- ▶ Charging voltage 230V AC
- ▶ Charging power supply 12V-1,5Ah
- ▶ Max. charging voltage 14.9V
- ▶ Protection
- ▶ Clamping pliers
- ▶ Cables cross-section: 25mm²
- ▶ Length: 45cm
- ▶ Weight: 4,5kg
- ▶ Dimensions: H31cm x L27,5cm x P13,5cm

Recommended use: cars and vans.

(*) Calculated for 50% discharge intensity.

(**) Connect directly to a charged battery of a started vehicle and/or to a 30A workshop battery charger.

007936311010

- ▶ Voltage 12V
- ▶ Voltage 12-24V
- ▶ Starting current: 12000/6000 A
- ▶ Life (*): 1.000.000 cycles
- ▶ First charging: 30 min, power supply unit included
- ▶ Charging duration: 5 min
- ▶ Quick charging (**): 15 - 60 sec
- ▶ Charger
- ▶ Charging voltage: 230 V AC
- ▶ Charging power supply: 12 V – 1,5 Ah
- ▶ Max. charging voltage: 14.9 V
- ▶ Protection
- ▶ Clamping pliers
- ▶ Cables cross-section: 25 mm²,
- ▶ Weight: 6,5 kg
- ▶ Dimensions: W31 cm x D27,5 cm x G13,5 cm
- ▶ Recommended use:
cars and trucks
- ▶ Maximum battery capacity:
0-140 Ah
- ▶ Temperature of use: -40°C / +70°C
- ▶ Impact protection casing

Bat Expert Pro

007950006900



Battery and Alternator Tester Magneti Marelli

The battery tester, loading efficiency and value of the voltage drop, equipped with a printer. Battery Tester from the offers of Magneti Marelli is a universal tester for verifying the condition of the battery as well as the elements cooperating with it – starter and alternator. Beyond that it is possible to check the voltage drop under the load of the starter as well as the receivers used while driving (heating windows, lights, etc.) All of the operations, as well as the printing itself, may be submitted in many languages.

Battery tests:

- ▶ current voltage
- ▶ startup current
- ▶ graphic , percentage summary of the battery state as well as the degree of the battery charge
- ▶ recommendations for battery (charge, replace, replace immediately)

All the tests can be performed on the batteries: Gel, AGM (automatic), VRLA (partially automatic), SLI (standard). Startup current can be given according to one of the following standards: SAE, EN, IEC, DIN and JIS.

Tests on the vehicle:

- ▶ voltage drop at the time of the engine starting
- ▶ charging test without the load (checking the alternator and voltage regulator)
- ▶ charging test under the load (also testing the efficiency of electrical equipment on the board)
- ▶ voltage stability test (checking the voltage regulator as well as the alternator diode)

Printer: all the tests made by MM Battery Tester cannot only be viewed on the large and readable display equipped with adjustable lighting, but it can also be immediately printed using the built-in printer. Such a print contains all the data which have been verified during the test, giving the customer full information both about the state of the battery and alternator as well as voltage regulator. The MM Battery Tester is an extremely easy-to-use and user-friendly device. All available tests are performed step by step, according to the instructions given by the tester

Advantages:

- ▶ menu available in 13 languages: (English, French, Spanish, German, Italian, Portuguese, Polish, Czech, Greek, Turkish, Croatian, Romanian, Hungarian)
- ▶ durable and handy housing
- ▶ clear, backlit display
- ▶ battery condition control 6V and 12V
- ▶ measurement of voltage, inrush current and diagnosis of the battery condition
- ▶ compatibility with most types of batteries available on the market
- ▶ wide range of starting current of tested batteries: 40 - 2100 (EN)
- ▶ control of voltage jumps and alternator efficiency in various conditions (for 12V and 24V systems)
- ▶ printer enabling the printing of tests



**Battery Tester
Printing Paper**
007950006995

iBat Expert Pro

007950007150



NEW

Battery tester, charge efficiency and values of voltage drops, equipped in Bluetooth communication. iBat Expert Pro by Magneti Marelli is a universal tester that allows you to check both the condition of the battery itself as well as its components - alternator and starter. In addition, it is possible to check the gradients of Voltage under the starter load, as well as receivers used during driving (heating of windows, lights, etc.).

The device works with Android and IOS so the visualization is done on a tablet or smartphone, then you can create a database or print a test report.

Tests can be performed on batteries:

- ▶ FLOODED
- ▶ VRLA/GEL
- ▶ AGM SPIRAL
- ▶ AGM FLAT PLATE
- ▶ PS AGM
- ▶ PS FLOODED

Start Stop Test:

- ▶ EFB
- ▶ AGM FLAT PLATE

EV battery test (deep discharge)

The starting current can be specified in one of the SAE, EN, IEC, DIN and JIS standards.

Technical parameters:

- ▶ For battery testing of 6 or 12 V or 8V (EV)
- ▶ For control of 12 or 24 V charging systems
- ▶ Operating temperature 0 - 50 °C
- ▶ Additional internal Li-Ion 1150 mAh battery
- ▶ Bluetooth 4.0 communication
- ▶ Works with iOS 8.0 and later and Android OS 4.3 and later





Memory Saver Ms-7E

007950006920

Key features:

- ▶ Device designed to support the controller memory when the car battery is disconnected.
- ▶ Very useful for replacing the battery
- ▶ Prevents data loss and reset of all devices.
- ▶ Connection to the vehicle through the EOBD socket or lighter connector.
- ▶ With the LED control panel it is possible to monitor the internal state of the battery on the fly.

Technical data:

- ▶ Battery installed inside: AGM
- ▶ Voltage: 12V
- ▶ Battery capacity: 7 Ah
- ▶ Dimensions: 24.5 cm x 24.5 cm x 18 cm
- ▶ Weight: 3 kg



Battery Charger Bat-90 - With Cranking

007935660500

Bat-90 Battery Charger is a smart microprocessor charger with a startup function. Affordable price and efficient cooling system combined with great functionality guarantee professional regeneration of the battery or starting.

Technical data:

- ▶ Charges: 12V acid, Lead, AGM, gel, VRLA batteries (as long as they are rechargeable)
- ▶ Input: AC 220-240 V 5A / 50Hz
- ▶ Charge output mode: 5 and 30 A (Amps)
- ▶ Starting the engine: 90 A (Amps)
- ▶ Cooling time after each rotation with an engine crankshaft: at least every 3 minutes
- ▶ The continuous rotation of the shaft crankshaft engine: 0-5 seconds
- ▶ Output maintenance mode: charging pulse
- ▶ Cables: 183 cm
Dimensions: 20 (L) x 20 (W) x 13 (H) cm
Weight: 6.3 kg



Battery Charger Bat-5

007935660400

This is a compact microprocessor charger with smart charging function. Affordable price and small size combined with large functionality guarantees professional regeneration of the battery.

Safe: with IP65 protection rating dust / splash liquid / rain resistant; protection against reverse polarity / sparking; Overcharge protection and circuit protection against short circuits. Ease: Bright LEDs accurately identify the charge status.

- ▶ Lightweight, portable and compact design
- ▶ Charges: 12V acid, lead, AGM, gel batteries- (not applicable to non-rechargeable batteries)
- ▶ Input: SC5E AC 220-240 V / 1A / 50 Hz
- ▶ Charge output mode: SC5E 5A
- ▶ Output maintenance mode: pulse charging
- ▶ Cables: 183 cm
- ▶ Dimensions: 16,0(L) x 9,6 (W) x 5,4 (H) cm
- ▶ Weight: 0,85 kg.

Applied technology: Microprocessor control, Maximum charging current 5A: Application: Acid batteries 12V; indicators LED; IP65 (splash and dust protection; Protection against sparks; Overload protection; Reverse polarity protection; 5 step loading.

The MAGNETI MARELLI professional charger provides 5-stage automatic charging, real charging with clean DC, Not only will it effectively charge batteries, it will also increase service life necessary for batteries. Individual charging grades:

- Level 1 - Desulphurisation**
- Level 2 - Fast charging**
- Level 3 - Correction and analysis**
- Level 4 - Charge to obtain maximum off-state**
- Level 5 - Sustaining Maintenance**



Battery Tester Basic
007950006910

Battery Tester Basic is a more compact version of the Battery Tester, featuring also print function and all the tests provided by the Battery Tester software. Available in 3 languages only: Polish, English, Russian (Cyrillic).

CAR BATTERY TESTS:

- ▶ current voltage
- ▶ inrush current
- ▶ graphical percentage summary of the battery state state and its degree of charge
- ▶ recommendations concerning the battery (charging, replacement, urgent replacement)

Dane techniczne:

- ▶ Internal rechargeable battery: AGM
- ▶ Voltage: 12V
- ▶ Battery capacity: 7 Ah
- ▶ Dimensions: 24.5 cm x 24.5 cm x 18 cm
- ▶ Weight: 3 kg

**Battery Tester Basic
Printing Paper**
007950006990



Battery tester BAT-2000
007950007120

Battery tester with extended capabilities to verify the operation and control of the battery recharging level and recharging system. The tester has a printer that allows you to print measurement results and a temperature sensor for working temperature control. Device can also archive all reports using the USB cable and the included software. Among the accessories there are amperometric clamps and a voltmeter that can be connected to the device available.

Parameters:

- ▶ Supported batteries: 6V and 12V (Flooded, VRLA / GEL, AGM S, AGM F)
- ▶ Operation in charging mode: 12V and 24V
- ▶ START & STOP operation: 12V (EFB, AGM)
- ▶ Operating temperature range: 0-50°C
- ▶ Power supply: 4 x 1.5 V battery
- ▶ Measurement range: 40 to 3000 CCA (SAE)
- ▶ Test memory: up to 1000 records
- ▶ USB port
- ▶ Measurement standards: SAE (CCA), DIN, EN, IEC, JIS
- ▶ Print personalization
- ▶ Printer
- ▶ Temperature sensor
- ▶ Producer codes displayed on printout

ACCESSORIES



**Voltage probe
for BAT 2000**
007950007140

Voltage probe for BAT 2000 tester is an accessory for measuring voltage in electrical circuits. This type of app is useful in a professional workshop specializing in testing, repairing and servicing electrical systems in motor vehicles. Every electrician or car mechanic will be able to measure the electrical system performance during testing and diagnostics, especially when working with batteries used for the BAT 2000 tester. The voltage probe is a perfect complement to the BAT 2000 battery tester and avoids the need to use other devices for measuring parameters in electrical systems with particular regard to the circuit in the vicinity A battery where you can check the efficiency and efficiency of the electrical system in the car.



**Amperometric clamps
for BAT 2000**
007950007130

The amperometric clamps for the BAT 2000 tester provide the possibility to measure parameters in electrical systems without disconnecting cables. Measurements are made using inductivity, which allows for reliable measurements also in workshop conditions. Ideally suited for use by mechanics and electricians in motor vehicles, and their intended use for the BAT 2000 tester perfectly complements its capabilities and benefits from the convenience of using this type of solution for convenience and safety due to the absence of disconnecting cables and working on open systems.



Battery tester
BAT-002

007950007110

Battery tester used during start-up trouble resulting from a failed battery. Easy-to-use features allow for smooth and fully professional use of the tester. Tests charged and discharged batteries.

Allows testing in international standards SAE, DIN, EN, IEC, JIS. During testing hints are displayed which accelerate the selection of appropriate position on the display.

Parameters:

- ▶ Supported batteries: 6V i 12V (Flooded, VRLA/GEL, AGM S, AGM F)
- ▶ START & STOP operation: 12V (EFB, AGM)
- ▶ Measurement range: 40 – 2000 CCA (SAE)
- ▶ LCD display: 2 lines, 16 characters
- ▶ Measurement standards: SAE (CCA), DIN, EN, IEC, JIS

Dimensions:

- ▶ Length: 190 mm
- ▶ Width: 115 mm
- ▶ Height: 50 mm



Charge Battery tester with AMP clamps
(50A charging) (120A) cranking

007950007060

Charge Battery tester(50A charging) (120A) cranking

007950007050

Battery tester with charger 50A and startup function 120A with amperometric clamps is a device that allows you to check the discharge level of the battery with the function of charging and starting the car. The device is intended for 12V batteries and also in some applications for 24V batteries. The amperometric clamp accessory provides the ability to measure electrical system parameters without having to disconnect wires and work on open systems for enhanced security and ease of use. The tester kit comes with a software CD that includes a software installation driver and user manual. This gives you access to extensive user functions. Each measurement and operation performed by the device is recorded in the device memory and then printed using the built-in printer device. Also the date of measurement can be recorded on the printout and in memory, which can be set manually in the device settings. At the same time, the display, which is built into the device, provides the current readings of measured results and parameters, which simplifies the use of this device and gives it the status of top-of-the-line devices.

The device supports all popular batteries:

- ▶ EFB
- ▶ AGM
- ▶ SAE (CCA) (200-3000Ah)
- ▶ EN (190-2830Ah)
- ▶ IEC (135-1985Ah)
- ▶ DIN (115-1685Ah)
- ▶ JIS

Operating temperature: 0 do 50°C

Application	Batteries of 12V for Start/Stop systems of 12V / 24V - start function Quick recharging after the test
Testing Start-Stop batteries	YES
Scope of battery capacity (SAE)	200-3000Ah
Range of voltage (V)	1,5V-30V
Temperature compensation	YES
Test of charging system / starting a vehicle	YES
Display	LCD / 4-wierszowy
USB function	YES
PC Software	YES
Thermal printer	YES
Removable cables	YES
Length of cables	2,5M
Range of load for clamps	10-600
Range of voltage measurements	1.5V-60V
Terminal/Accessory	Printer Paper Optional Clamp Amp & test probe
Dimensions: DxSxW (cm)	33 * 30 * 20cm



Digital battery load tester BAT508

007950007020

Digital 12V battery load tester. It runs tests of charging degree, start-up abilities, efficiency of charging system and start-up tests.

The tester is equipped with:

- ▶ LED display showing voltage and test results
- ▶ automatic load stopping after 10 seconds and maintaining the voltage
- ▶ unique 3-stage reading: checking polarization on the LCD screen, control of battery charging level, reading the test of charging system
- ▶ control of battery and charging system conditions
- ▶ total transfer possibility.

No need to connect external power supply.



125 A Hand held battery load tester BAT601

007950007030

The BAT 601 is designed for 6V and 12V batteries up to 1000CCA. Performs tests of charge, boot and charging performance. Used for standard and maintenance-free batteries in passenger cars and delivery vehicles.

The tester is completely portable. No need to connect external power. Performs a complete test in 10 seconds.

The device is sure and accurate. Robust and shockproof. It has durable, color-coded clamps.

Supported batteries:

- ▶ 6V
- ▶ 12V

Possible operations:

- ▶ Load test
- ▶ Temperature Correction (1 step = 50A)
- ▶ Testing the charging system
- ▶ Starter test (12V)



Eversmart battery alert BM1

007950007040

The BM1 Battery Discharge Indicator is a device that allows you to check the battery discharge level, which, by simple construction and small dimensions, can always be on hand and provide support when equipment is not available.

This device can be connected to the battery and continuously check the parameters by informing the audio signal of the voltage drop below a certain value. This is a very good product for mechanics and electricians in auto workshops who want to keep track of the battery charge.

Technical parameters:

- ▶ Warning at a voltage drop below 12,2V
- ▶ Current consumption: below 2mA
- ▶ Current consumption with a sound alarm on: below 80mA
- ▶ Sound alarm every 10 secs
- ▶ Reverse polarity protection

JUMPER CABLES

- ▶ **007936001185** Cranking Cable
- ▶ **007950006940** Professional Cranking Cables Copper 3,5M Section 25 Mm³ 350 A
- ▶ **007950006930** Professional Cranking Cables Copper 3M Section 16 Mm² 220 A
- ▶ **007950006950** Professional Cranking Cables Copper 4,5M Section 35 Mm² 480 A
- ▶ **007950006970** Professional Cranking Cables Cca 3,5 M Section 25 Mm² 220 A
- ▶ **007950006960** Professional Cranking Cables Cca 3M Section 16 Mm² 150 A
- ▶ **007950006980** Professional Cranking Cables Copper Cca 4,5 M Section 35 Mm² 350 A



Battery Charger

BAT 100 10 A with LCD

007950007100

Device for charging batteries and for battery maintenance in motor vehicles. Simple operation is ensured by the LCD display with a graphical representation of the battery charge level, which is achieved through intelligent multi-stage charging (9 cycles).

The charger handles all standard battery types including the latest lithium polymer, providing adaptability to each type by charging in three modes, including batteries intended for motorcycles, passenger cars and voltage suppressors.



Technical parameters:

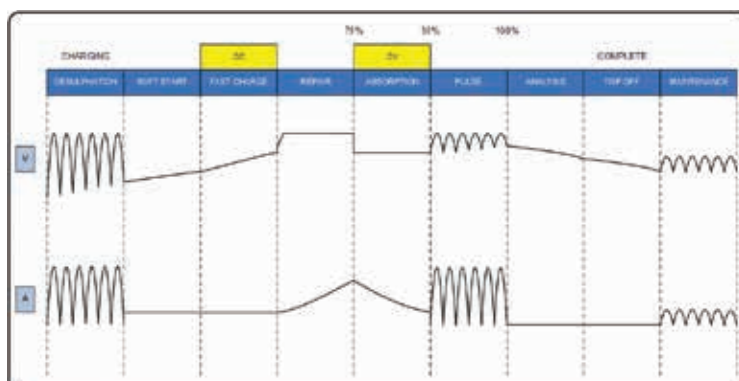
- ▶ LCD display
- ▶ Includes a set of ring clamp
- ▶ AC voltage: 220-240V, 50-60Hz
- ▶ Minimum battery voltage:
 - Acid-lead: 2V
 - LFP: 10V

- ▶ 3 charging modes:
 - Smaller batteries: 1.5A-12V; 2.3Ah to 30Ah
 - Large batteries: 10A-12V; 30Ah to 200Ah
 - Power supply: 13.6V – 10A
- ▶ 9 cycles for batteries AGM, GEL, STD, VRLA, MF, CAL/CAL
- ▶ 6 cycles for LiFePO4 battery

- ▶ Supported batteries: 12V - AGM, GEL, STD, VRLA, MF, CAL/CAL
- ▶ Intelligent charging program
- ▶ Temperature sensor with compensation function
- ▶ Operating temperature: -20 do +50°C
- ▶ Weight 880g

Dimensions:

- ▶ Length: 210 mm
- ▶ Width: 98 mm
- ▶ Height: 60 mm



9 Charging rates

ATF Extra PRO

007935110000



Made
in Italy



With the **ATF Extra Pro** operator is able to exchange ATF fluid, and flush the automatic transmission in every vehicle. The device has an electronic control system that allows exchanging transmission fluid ATF in an automatic gearbox without opening and complete emptying it, regardless of the temperature difference (and thus the volume) between fresh (cold) and used (warm) transmission oil.

In addition to controlling the **ATF Extra Pro** pump, the instrument software monitors the oil exchange operation, checks whether the amount of fresh oil is sufficient and whether there is still room in the tank for collecting the used oil. The unit is equipped with an easy-to-remove oil-waste tank with a cover including connectors and wires. The device works in an automatic mode, it has scales, which accurately measure the amount of used and fresh oil as well as automatically detects the flow direction of the ATF fluid. The device has a database that makes vehicle servicing easier and faster. Adapters are not included in the unit and are available in sets or individually. An additional flush fluid tank allows for its application and flushing cycle.

ACCESSORIES

- ▶ 007935110020
Replacement filter for
ATF EXTRA

Technical parameters	ATF Extra PRO
Power supply	12V
Working pressure	8 bar
Efficiency	5,5 l/min
Application	Petrol / Diesel / Hybrid vehicles

MM-TC200

007935016745



The **MM-TC200** device allows you to drain the gearbox from used oil, flush it with a appropriate detergent, and fill it with fresh oil up to the level recommended by the manufacturer. Unlike the previous version of the device, the **MM-TC200** uses variable displacement pump, Parker quick couplers, new hoses inside the unit, and refreshed front panel.

Thanks to the use of a 1-phase motor powered with 230V, the machine does not require complicated connections, which increases the flexibility of applications. The device operates in manual mode, which requires more intervention by the operator than in the case of a **ATF Extra Pro**. Adapters are not included in the unit and are available in sets or individually.

Technical parameters	MM-TC200
Supply	AC220V/50HZ 350W
Working pressure	8 bar
Efficiency	5,5 l/min
Application	Petrol / Diesel / Hybrid vehicles

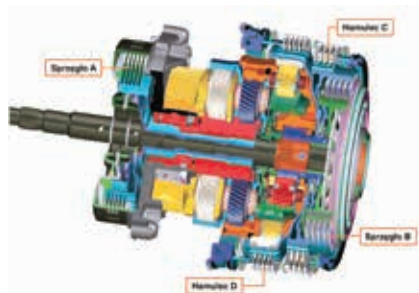
On-Line ATF database with information about automatic gearboxes PL, ENG, IT (yearly license)

009999270000

Magneti Marelli is the first company to introduce to the offer an advanced database with all necessary information about automatic transmission fluid (ATF) replacement. The database includes 34 car brands, 654 models and over 3000 versions of these models. The database is not focused only on European vehicles, but includes also information about Asian and American manufacturers.

Program features:

- ▶ Intuitive vehicle search, information in Polish, English and Italian.
- ▶ A wide base of vehicles (over 3000 versions), drawings and pictures of the real elements of the layout.
- ▶ Information about the amount of oil in the gearbox and the factory reference number.
- ▶ Locations of connectors to connect the ATF.
- ▶ Photos and adapters that match specific connectors.
- ▶ Transmission flushing procedure (with pictures and description), filter replacement procedure (with pictures and OEM numbers).
- ▶ Pictures of oil pan gaskets with OEM number, oil level check procedure.
- ▶ Tightening torques of individual plugs, (drain, fill, level check).



Flushing fluids for ATF Extra / MM TC-200



A special formula allows the removal of impurities and paraffins, which were created during the operation of the automatic transmission in different working conditions.

- ▶ **007950025420** Flushing Fluid For Automatic Gerboxes 1 L
- ▶ **007950025430** Flushing Fluid For Automatic Gerboxes 5 L
- ▶ **007950026100** Flushing Fluid For Automatic Gerboxes 400 ml

EVO set of adapters for ATF Extra and MM-TC200

007935110015

The kit includes the most popular adapters dedicated to the European market.






FULL set of adapters for ATF Extra and MM-TC200

007935110025




Connectors for MM-TC200 and ATF Extra PRO

Connector male	Connector female	Predestination
 007935110130	 007935110130	Connector VOLVO (C30-C70-S40-S60- S70-S80-V40-V50-V70)
 007935110170 (EVO)	 007935110160 (EVO)	Connector GM - FIAT - FORD - JEEP - CHRYSLER - SAAB - MERCEDES
 007935110200	 007935110190	Connector AUDI
 007935110260 (EVO)	 007935110250 (EVO)	BMW-JAGUAR
 007935110300 (EVO)	 007935110290 (EVO)	MERCEDES
 007935110320 (EVO)	 007935110310 (EVO)	BMW E39 production date > 2004 BMW E46 production date > 2007 MERCEDES W210 and W203 production date > 2009
 007935110340 (EVO)	 007935110330 (EVO)	BMW 2 SERIE 7-Z3
 007935110360	 007935110350	VOLVO 850-940-960
 007935110420	 007935110400	VOLVO XC60-XC70-XC90
	 007935110410	

Connector male	Connector female	Predestination	
 007935110460 (EVO)	 007935110450 (EVO)	MERCEDES Class A/B	
 007935110480 (EVO)	 007935110470 (EVO)	 007935110640 (EVO)	Connector male BMW 6hp
 007935110500	 007935110490	BMW - JAGUAR	
 007935110660 (EVO)	 007935110650 (EVO)	Connector male BMW X5 X6	

Connector	Predestination	Connector	Predestination
 007935110140	PSA - RENAULT GROUP	 007935110370	ALFA ROMEO 156 JTS
 007935110150	VW DSG	 007935110390	AUDI 100 (2x1)
 007935110180	JEEP MITSUBISHI GM SUZUKI TOYOTA	 007935110510 (EVO)	Hose 1/4 - ALFA ROMEO 156 1.8 until 2001
 007935110210	ALFA ROMEO 159	 007935110530 (EVO)	Hose 3/8 - ALFA ROMEO 156 1.6 and 167

Connector	Predestination	Connector	Predestination
	Hose 1/2 - BMW - CHEVROLET - HONDA - HYUNDAI - JAGUAR - JEEP - KIA - LAND ROVER - LEXUS - MITSUBISHI - OPEL - ROVER - SUZUKI - TOYOTA		Connector SC PSA 130 mm
007935110540 (EVO)		007935110610	
	Connector 90° - ALFA ROMEO 156 1.6 and 167		Connector AUDI A8 PORSCHE
007935110560 (EVO)		007935110630	
	Connector - NISSAN - DAIHATSU - SUZUKI		Connector/Flange NISSAN RENAULT MITSUBISHI
007935110570		007935110670	
	Connector GEARBOX FIAT - LANCIA - FORD		Connector ASTA CHRYSLER MERCEDES
007935110580		007935110620	
	Connecting hose to 1/4"		Adapter for Mercedes Class A/B
007935110590		007935110620	
	Connecting hose to 1/2"		Adapter for Powershift MPS6
007935110600		007935130100	



Exhaust-Gas Analyser Logic Gas (for PC)

007935900100

Gas analyzer for petrol, LPG and CNG vehicles

- ▶ CO reading: volume 0 ÷ 10%, resolution 0,01 by volume
- ▶ CO2 reading: volume CO2 ÷ 0, resolution 0,01 by volume
- ▶ HC reading: 0 ÷ 10 000 ppm, resolution 1 ppm
- ▶ O2 reading: volume CO2 ÷ 0, resolution 0,01 by volume
- ▶ Warm up time: approx. 3 minutes
- ▶ Integrated battery that ensures operating time of 4 hours, with a possibility of charging directly from the electrical network
- ▶ Power supply from the electrical network 220V – 50 Hz or from battery 12 V (optional)
- ▶ Dimensions: 230 x 340 x 225
- ▶ Weight: about 10 kg (including an internal battery)

Connectors:

- ▶ Inputs: electrical network, revolution counter, coolant temperature probe
- ▶ Serial port for connecting a cable from the PC
- ▶ PS2 Port for a PC keyboard
- ▶ Internal Bluetooth Class 1

Serial equipment:

- ▶ Cable for electrical network connection
- ▶ Oxygen sensor
- ▶ Exhaust gas probe
- ▶ CD-Rom with PC software
- ▶ Short instruction serving as a guide for installation and starting up of the device
- ▶ Cable for serial connection with the PC

Functions:

- ▶ Analysis of 4 main gases: CO, CO₂, HC, O₂
- ▶ Lambda coefficient calculation



Exhaust-Gas Analyser Smart Gas - 5 gases with NOx, with display and printer, with MID PL certification

007935920030

Gas analyzer for gasoline powered vehicles code 007935920030, LPG and CNG:

- ▶ CO reading: 0 ÷ 10% volume, resolution 0.01 by volume
- ▶ CO2 reading: 0 ÷ 20% resolution 0.01 by volume
- ▶ HC reading: 0 ÷ 10 000 ppm, resolution of 1 ppm
- ▶ O2 reading: 0 ÷ 21% volume, resolution 0.01 by volume
- ▶ NOx reading
- ▶ Heating time: about 3 minutes
- ▶ Integrated printer: 24 columns, Thermal printable reports
- ▶ Multifunctional keypad
- ▶ LCD 4x20 lit white LEDs High brightness
- ▶ Integrated battery for easy operation action time of 4 hours, with the possibility of recharging directly from the network electricity
- ▶ Power supply 220V - 50 Hz or 12V battery (optional)

Connectors:

- ▶ Inputs: electrical network, speed counter, Coolant temperature probe
- ▶ Serial port for connection with PC cable
- ▶ PS2 port for PC keyboard
- ▶ Internal Bluetooth Class 1

Standard equipment:

- ▶ Cable for connection to the power supply system
- ▶ Oxygen sensor
- ▶ Flue gas probe
- ▶ CD-ROM with PC software
- ▶ A short manual for setting up and starting a device
- ▶ Serial cable for PC connection

Functions:

- ▶ Analysis of 4 basic gases: CO, CO₂, HC, O₂, NO_x
- ▶ Calculation of the lambda coefficient



Exhaust-Gas Analyser Smart Gas - 4 gases, with display and printer, with MID PL certification

007935920010

Gas analyzer for gasoline powered vehicles code 007935920010, LPG I CNG:

- ▶ CO reading: volume 0 ÷ 10%, resolution 0,01 by volume
- ▶ CO2 reading: volume 0 ÷ 20%, resolution 0,01 by volume
- ▶ HC reading: 0 ÷ 10 000 ppm, resolution 1 ppm
- ▶ O2 readout: volume 0 ÷ 21 %, resolution 0,01 by volume
- ▶ Warm up time: approx. 3 minutes
- ▶ Integrated printer: 24 columns, thermal, for report printouts
- ▶ Multi-function keypad
- ▶ LCD 4x 20 backlit with white diodes of high brightness
- ▶ Integrated battery that ensures operating time of 4 hours, with a possibility of direct charge from electrical networkj
- ▶ Power supply from the electrical network 220V – 50 Hz or from the battery 12 V (optional)

Connectors:

- ▶ Inputs: electrical network, revolution counter, coolant temperature probe
- ▶ Serial port for connecting a cable from the PC
- ▶ PS2 Port for a PC keyboard
- ▶ Internal Bluetooth Class 1

Serial equipment:

- ▶ Cable for electrical network connection
- ▶ Oxygen sensor
- ▶ Exhaust gas probe
- ▶ CD-Rom with PC software
- ▶ Short instruction serving as a guide for installation and starting up of the device
- ▶ Cable for serial connection with a PC

Functions:

- ▶ Analysis of 4 main gases: CO, CO₂, HC, O₂
- ▶ Lambda coefficient calculation



**Smoke Meter Logic Smoke
(for PC)**

007935900120

**Logic Smoke
features:**

- ▶ Smoke opacity meter for diesel vehicles
- ▶ Absorption coefficient K(m-1) reading: 0 ÷ 99,9%, resolution 0,01%
- ▶ Absorption coefficient K reading (%): 0 ÷ 99,9%, resolution 0,1%
- ▶ Exhaust gas temperature reading: 0 ÷ 200°C, resolution 1°C
- ▶ Warm up time: approx. 3 minutes
- ▶ Exhaust gas analysis chamber temp.: 75°C
- ▶ Integrated battery that ensures operating time of 4 hours, with a possibility of charging directly from the electrical network
- ▶ Dimensions: 230 x 340 x 225
- ▶ Power supply from the electrical network 220V – 50 Hz or from the battery 12V (optional)

Connectors:

- ▶ Inputs: electrical network, revolution counter, coolant temperature probe
- ▶ Serial port for connecting a cable from a PC
- ▶ PS2 Port for a PC keyboard
- ▶ Supply voltage connector 12V
- ▶ Internal Bluetooth Class 1

Serial equipment:

- ▶ Cable for electrical network connection
- ▶ Czujnik tlenu
- ▶ Exhaust gas collection probe
- ▶ CD-Rom with PC software
- ▶ Short instruction serving as a guide for installation and starting up of the device
- ▶ Cable for serial connection with the PC

Opacity analysis (both in % and in m-1), with the engine speed acceleration, smoke and exhaust temperature trigger.



**Smoke Meter
Smart Smoke**

007935900110

**Smart Smoke
features:**

- ▶ Smoke opacity meter for diesel vehicles
- ▶ Absorption coefficient K(m-1) reading: 0 ÷ 99,9%, resolution 0,01%
- ▶ Absorption coefficient K reading (%): 0 ÷ 99,9%, resolution 0,1%
- ▶ Exhaust gas temperature reading: 0 ÷ 200°C, resolution 10C
- ▶ Warm up time: approx. 3 minutes
- ▶ Exhaust gas analysis chamber temperature: 750C
- ▶ Integrated printer: 24 columns, thermal, for report printouts
- ▶ Multi-function keypad
- ▶ LCD 4x 20 backlit with white diodes of high brightness
- ▶ Integrated battery, ensuring operating time of 4 hours, with a possibility of charging directly from the electrical network
- ▶ Power supply from the electrical network 220V – 50 Hz or from the battery 12V (optional)

Connectors:

- ▶ Inputs: electrical network, revolution counter, coolant temperature probe
- ▶ Serial port for connecting a cable from a PC
- ▶ PS2 Port for a PC keyboard
- ▶ Internal Bluetooth Class 1

Serial equipment:

- ▶ Cable for electrical network connection
- ▶ Exhaust gas collection probe
- ▶ CD-Rom with PC software
- ▶ Short instruction serving as a guide for installation and starting up of the device
- ▶ Cable for serial connection with the PC

Opacity analysis (both in % and in m-1), with engine speed acceleration, smoke and exhaust temperature trigger.



Battery • 007935900330



Additional Kit For Rpm (addon to 007935900320) • 007935900345



Piezoelectric RPM sensor (addon to 007935900320) • 007935900325



**Oil Temperature Sensor
007935900300**



**Additional Kit For Motorcycles
007935900310**



**Additional Kit For Rpm
007935900320**



**Special Probe For Truck Vehicles
007935900370**

Ultrasonic baths

Ultrasonic washing for maximum purity in less time than conventional washing such as hand washing, spraying or similar. Ultrasounds effectively remove impurities such as grinding pastes polishing, abrasive, shavings and chips, greases and cooling emulsions.

The Ran-Scan digital ultrasound generator measures and controls the resonance frequency of the ultrasonic transducer. The Ran-Scan accurately selects the frequency to maintain the maximum power of the generator in various operating conditions, such as changing temperature, degassing of the bath in the car wash or different mass of the charge. The Ran-Scan system automatically adjusts the generator at regular intervals and maintains a constant power range of 92-100%. With the Ran-Scan system, even after long-term use, Magneti Marelli ultrasonic washers will be as effective as at the beginning. State-of-the-art IGBT transistors, which, combined with the Ran-Scan digital control, completely eliminated service of the car wash. As the assembly standard we use a modular system "EURO 19", easy to expand, replace and maintain.

The Sweep method, in addition to the reduction of the standing wave phenomenon, allows the device to operate at changeable load, temperature and time. In modern single-frequency car washes, sophisticated frequency tracking systems are used. The Sweep method provides good use of Ultrasonic transmitter power and more uniform distribution of vibration amplitude in the washer.

How do ultrasounds work? The high-frequency current from the power generator is supplied to the ultrasonic transmitter, whose working element is two piezoelectric plates. The transmitter is attached to the bottom or wall of the bath and causes vibrations that are transferred to the washing liquid. Rapid condensation and thinning of the liquid cause cavitation, which consists in the rapid formation and disappearance of vacuum-induced microbubbles of contaminants in the volume of fluid. Any cavitation caused by the ultrasound works strongly, it does not damage delicate or complicated mechanisms. Washing requires minimal supervision and can be performed by unqualified personnel. Ultrasonic washers can be easily adapted for serial production by connecting to the process line.

**Ultrasonic bath MU-100 capacity 10l
dimensions of the washing chamber
475x285x75 mm**
007935018050



**Ultrasonic bath MU-14 capacity 1,4l
dimensions of the washing chamber
120x110x110 mm**
007935018000



**Ultrasonic bath MU-150, capacity 15L,
dimensions of the washing chamber:
475x285x115 mm**
007935018000



**Ultrasonic bath MU-230, capacity 23L,
dimensions of the washing chamber:
475x280x170 mm**
007935018070



**Ultrasonic bath MU-25 capacity 2,5l
dimensions of the washing chamber:
270x120x70 mm**
007935018010



**Ultrasonic bath MU-40 capacity 4l
dimensions of the washing chamber
480x115x70 mm**
007935018020



**Ultrasonic bath MU-55 capacity 5,5l
dimensions of the washing chamber
300x280x70 mm**
007935018030



**Ultrasonic bath MU-90 capacity 9l
dimensions of the washing chamber
300x280x120 mm**
007935018040



**Multifrequency Ultrasonic Cleaning
Tank For All The Components Of
Common Rail Injectors – 14 Lt.**
007950010400



ACCESSORIES



- ▶ Container for parts to MU-100
007935018130
- ▶ Container for parts to MU-14
007935018080
- ▶ Container for parts to MU-150
007935018140
- ▶ Container for parts to MU-230
007935018150

- ▶ Container for parts to MU-25
007935018090
- ▶ Container for parts to MU-40
007935018100
- ▶ Container for parts to MU-55
007935018110
- ▶ Container for parts to MU-90
007935018120

Magneti Marelli ES.3 Diesel & gasoline engine treatment unit

007935095380

Device operation:

The ES.3 device guides the user step by step through the fuel system cleaning cycle. Informations are displayed on the LCD screen. Automatic operation mode that does not require mechanical intervention during the procedure of cleaning. Fuel pressure generated by the device is automatically adjusted to the pressure in the vehicle's fuel system. Power is supplied from a serviced vehicle - 12V.

Device characteristics:

Automatic cleaning device for gasoline and diesel fuel systems in:

- ▶ motorcycle
- ▶ passenger cars
- ▶ light duty trucks
- ▶ heavy duty trucks
- ▶ buses
- ▶ marines



KOD MM	MODEL	DESCRIPTION
007935095380	ES.3	Device Es 3 For Cleaning Engine, Valves, Dpf Filter
007935095490		Cleaning Fluid For Es20 285 MI
007935095500		Cleaning Fluid For Es20 25L
007935100530	DPF.01	DPF.01 - Set of adapters for DPF cleaning for ES20
007935101460	AEAK.01	Exclusive Fuel System Adapters Kit (Quick Connectors) / Available For All Types of Engines Configurations / ES Series & FST Tools
007935101470	IMC.01	Intake Manifold Cleaning Adapters Kit / ES Series
007935101670	DPF.2L	Cleaning Fluid for DPF filters for ES.3 - 2 Lt

Supported systems:

- ▶ Common-Rail
- ▶ Conventional Diesel
- ▶ Gasoline Direct Injection (G-DI, FSI, HPI, etc.)
- ▶ Conventional Fuel Injection (MPFI / TBI / CIS)
- ▶ Carburetor
- ▶ LPG

Device features:

- ▶ Dual-Tank system
- ▶ Automatic Pressure adjustment
- ▶ Adaptability to all makes and models
- ▶ Intake manifold cleaning with adapter unit1 (IMC.01)
- ▶ Diesel Particulate Filter cleaning with adapter unit1 (DPF.01)
- ▶ Automatic /manual functions
- ▶ On-Display guide with language localization
- ▶ Upgradeable & User-friendly
- ▶ Operating interface user-friendly
- ▶ Polish language Software
- ▶ Portable, Lightweight and Robust product

Thanks to fuel system treatment device like ES.3, it is possible to:

- ▶ Exhaust emissions reduction more than 70%
- ▶ Maximum restoration of engine's performance
- ▶ Reduction of fuel consumption
- ▶ Common-Rail system cleaning
- ▶ High Pressure pump conditioning
- ▶ De-carbonization of the combustion chamber
- ▶ De-carbonizing of Intake Manifold and throttle body
- ▶ Optimum fuel combustion
- ▶ Blocked valves and piston rings release
- ▶ De-carbonization of the catalytic converter & DPF
- ▶ Fading of engine knocking
- ▶ Prevention of long term expensive repairs

ACCESSORIES

Exclusive Fuel System Adapters Kit (Quick Connectors) / Available For All Types of Engines Configurations / ES Series & FST Tools

007935101460



Cleaning Fluid for ES.3

007935095500

Cleaning Fluid For DPF filters for ES.3 - 2 L

007935101670



Cleaning Fluid for ES.3

007935095490



Set of adapters for DPF cleaning for ES.3

007935100530



Intake Manifold Cleaning Adapters Kit / ES Series

007935101470



Gasoline injectors tester Magneti Marelli GS2/GS4

Device characteristics:

Automatic device for testing petrol injectors, including:

- ▶ Multi-point MPI injection
- ▶ Single-point TBI injection
- ▶ HPI, FSI direct injection, GDI in the low pressure range
- ▶ LPG
- ▶ CNG

Thanks to the GS series devices, it is possible to detect the causes of incorrect engine operation:

- ▶ Increased exhaust emission
- ▶ Reduced engine performance (power, torque)
- ▶ Increased fuel consumption
- ▶ Failure of direct injection systems (leaks, pressure drop)
- ▶ "Hard" engine idling, engine stalling
- ▶ Problems with the engine starting

Thanks to the use of illuminated (high brightness LED diodes) measurement tubes it is possible to observe and evaluate:

- ▶ Uniformity of the injected fuel jet
- ▶ The shape of the fuel stream
- ▶ Amount of fuel - iVM test. (with an accuracy of $\pm 1\text{ ml} / 130\text{ml}$)

Features:

- ▶ Operating pressure: 0-10 bar
- ▶ Gasoline Direct Injectors tested up to 10 Bar
- ▶ Fully programmable Test-Plans
- ▶ Variable & Customizable Test-Plans
- ▶ Engine load Simulation Tests
- ▶ Ergonomic and dynamic and user-friendly design
- ▶ Short testing time required / Automatic function
- ▶ Ergonomic, robust, fast & simple injector clamping
- ▶ Spray and Volume test
- ▶ Injector Protection circuit
- ▶ Injector Reverse flush after U/Sonic cleaning



STANDARD EQUIPMENT:

Standard Kit
Set of Fuel Rail & Adapters
for all makes and types of
Top-Feed Injectors



Gasoline injector calibration fluid,
ultrasonic solvent



Reverse flushing



Injection volume metering



Software

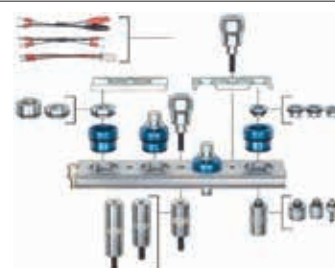


Ultrasonic bath

Complete set of Fuel Rail & Adapters, special designed for easy and fast adaptation to all makes and types of Top-Feed, G-Di, Side-Feed Injectors.

KOD MM	MODEL	DESCRIPTION
007935095360	GS2.10	Gasoline Injectors Tester With Ultrasonic Cleaner Gs2
007935095370	GS4.10	Gasoline Injectors Tester With Ultrasonic Cleaner Gs4
007935101640	GS2.20	Gasoline Injectors Tester With Ultrasonic Cleaner Gs2 Exclusive adapter kit
007935101650	GS4.20	Gasoline Injectors Tester With Ultrasonic Cleaner Gs4 Exclusive adapter kit

Exclusive adapter
set GS2/GS4



007935100475

Test equipment petrol injectors

- Magneti Marelli

GD1R, GDU*R

Modern systems of direct gasoline injection (G-DI, FSI, HPI, JTS), for proper testing of injectors used in these systems, require devices with high operating pressure. Magneti Marelli offers devices for testing and cleaning such injectors.

Device characteristics:

- ▶ Test all types of electromagnetic and piezo injectors (0-300 V / 0-35A)
- ▶ Operation of 1 or 4 injectors (GDU4R)
- ▶ Working pressure up to 300 or 550 bar
- ▶ Electronic measuring system
- ▶ Dynamic mass measurement for the GDU*R series (accuracy: 0.2%, repeatability: 0.05%)
- ▶ Static mass measurement for GD1R series (Resolution: 0.1mm3, accuracy: 0.6%)
- ▶ Protect the control board from damage
- ▶ Unique PIEZO stack regeneration function
- ▶ Internal cleaning of injectors - MACC (versions * / F)
- ▶ Free database update
- ▶ Operation in automatic mode (only in GD1R-E / 30 manual pressure regulator)
- ▶ Test time: 5-15 mins (GDU2R / GDU4R) and 7-8 mins (GD1R)
- ▶ Built-in 10 "(8" GD1R) tablet with Android
- ▶ Clearly presented test results with the possibility of printing
- ▶ Available adapter for power supply all types of injectors

Performed tests:

R2LC

Electrical test:
kΩ/μF; Ω/mH

CFL

Check For Leaks test (injector internal or external)

NLT

Nozzle Leakage Test @High Pressure

iVM (FL, PL, EM, LL, PI)

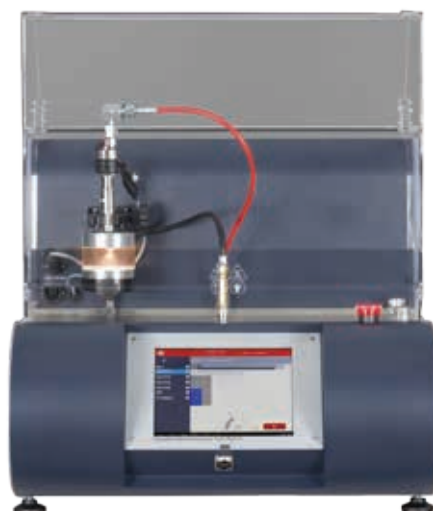
Injector Volume Measuring test (full-load, part-load, emissions, low-load, pre/post-injection tests and more...)

RSP

Injector nozzle Response-time test.

SPR

Dynamic Spray test performed in all testing conditions.



MM Code	Model	Max operating pressure	Internal injector cleaning	Measuring system	Number of testing slots
007935101500	GD1R-E/30	300 bar	NO	Static mass measurement	1
007935101510	GD1R-D/30	300 bar	NO	Static mass measurement	1
007935101600	GDU.2R/30	300 bar	NO	Dynamic mass measurement	1
007935101610	GDU.2R/30/F	300 bar	YES	Dynamic mass measurement	1
007935101620	GDU.2R/55	300 bar	NO	Static mass measurement	1
007935101630	GDU.2R/55/F	300 bar	YES	Static mass measurement	1
007935101160	GDU.4R/30	300 bar	NO	Dynamic mass measurement	4
007935101590	GDU.4R/30/F	300 bar	YES	Dynamic mass measurement	4
007935101170	GDU.4R/55	550 bar	NO	Static mass measurement	4

**MAGNETI
MARELLI**

AIR CONDITIONING

WESIT



NEW

Alaska START

007950015200



ALASKA START is an automatic Magneti Marelli device, developed for the diagnosis and operation of air conditioning systems. The device makes it easy to carry out maintenance interventions in two ways. This model is a compromise between great technical capabilities and attractive price.

1) Manual operation: the operator performs recovery of the refrigerant, draining, oil injection, filling. 2) Automatic function: operations are performed automatically by selecting a car code from the database or automatically in a programmable cycle (without operator assistance). by setting individual functions entered by the operator). Comprehensive device software can guide the operator through successive work cycles. Database of personal cars, vans, trucks and machines as well as farmer machines improves the operator's work and accelerates the operation of the air conditioning system.



Made
in Italy

Equipment:

- ▶ Programmer, and high-end electronic electrovalve control system
- ▶ Safety valves
- ▶ Pressure sensors
- ▶ Dwa manometry analogowe
- ▶ Two analog gauges
- ▶ Two manual valves, three tanks for fresh, and used oil and contrast
- ▶ Printer (optional)
- ▶ Service cables 3m long with the possibility of elongation
- ▶ Clear alphanumeric display
- ▶ Integrated, electronic database, allowing Secondary identification of the vehicle based on the registration number along with the database of recently completed services and diagnostics

Functions ALASKA START:

- ▶ Recovery of refrigerant contained in A / C
- ▶ Cleaning mechanical pollutants
- ▶ Dewatering the agent through filtration
- ▶ Separation of the agent from the oil in the system
- ▶ Measurement of the amount of recovered agent
- ▶ Test of the presence of residual factors in the system
- ▶ Dehumidification system with efficient vacuum pump
- ▶ System tightness test (vacuum or pressurized with nitrogen)
- ▶ Automatic or semi-automatic oil injection and contrast in the amount assumed by the operator or manual with visual inspection
- ▶ Recovering the remaining agent from the cables

- ▶ Manual operation
- ▶ Record 20 most recently completed services
- ▶ Uncomplicated and cheap service

Specification:

- ▶ Coolant: R134a
- ▶ Electronic balance of the coolant, accuracy: +/- 10 g
- ▶ Electronic vacuum gauge: Kl. 2.5
- ▶ Operating capacity: tank - 10 kg R134a
- ▶ Filter with molecular sieve and mechanical mesh
- ▶ Vacuum pump: 70 l / min
- ▶ Maximum vacuum of 0.05 mbar
- ▶ Compressor capacity: 300g /min
- ▶ Cables: 3m
- ▶ Thermal printer (optional)

The unit includes:

- ▶ Pair of protective gloves
- ▶ Goggles
- ▶ A set of connectors for the outer cylinder



Jeep

YouTube Calibration and manuals available on-line

SUGGESTED
WORKING PRESSURECAR DATABASE
+ TRUCK
+ AGRI

EASY CALIBRATION

IMPROVED OIL
CLEANINGLOW OPERATION
COSTS

EACH UNIT INCLUDES FREE:

PROTECTIVE COVER, POSTER, GLOVES, PROTECTIVE GOGGLES, TRAINING AND ADVERTISING BANNER.



Alaska START HFO

007950015210



ALASKA START HFO is a unit for filling and diagnosis of air conditioning systems using the new coolant HFO-1234yf. The unit complies with the European and US safety regulations as well as the SAE (Society of Automotive Engineers). The coolant recovery and filling functions have been improved to guarantee the maximum precision and management of exceptionally simple and extraordinary maintenance. The performance of the ventilation system guarantees the best heat dissipation, and the placement of the tachometric fan at the bottom of the unit enables the removal of any gas that may be leaking out and which can be transported outwards by the ventilation of the car workshop. Additionally, it allows identification of the refrigerant by means of an optional identifier. Innovative working alerts signal device malfunction, automotive installation and maintenance.

Made in Italy



Equipment:

- ▶ Programmer, and high-end electronic electrovalve control system
- ▶ Refrigerant Identifier (optional)
- ▶ Safety valves
- ▶ Pressure sensors
- ▶ Three analog gauges
- ▶ Two hand valves
- ▶ Three tanks for: fresh oil, used and contrast
- ▶ Printer (optional)
- ▶ Service cables 3m long in compliance with J2888 standard
- ▶ Clear alphanumeric display
- ▶ Additional manometer indicating pressure in the inner cylinder
- ▶ Integrated electronic database allowing, among others, the secondary vehicle identification based on the registration number with the database of recently completed services
- ▶ Connector for Nitrogen (option)
- ▶ Connector for system rinsing
- ▶ POE / UV container (for hybrid vehicles with quick coupler)
- ▶ Parker quick connectors conforming to J2888 standard

Functions ALASKA START HFO:

- ▶ Recovery of coolant contained in A/C
- ▶ Purification of mechanical pollutants
- ▶ Dewatering of the agent by filtration
- ▶ Separation of the oil in the system
- ▶ Measurement of the amount of recovered agent
- ▶ Measurement of the amount of recovered oil
- ▶ Test of the presence of residual factors in the system
- ▶ Dehumidification of the system with efficient vacuum pump
- ▶ System tightness test (vacuum or pressurized with nitrogen)
- ▶ Automatic or semi-automatic oil and contrast injection in the amount assumed by the operator or manual with visual inspection
- ▶ Recovering the remaining agent from the cables



- ▶ Manual operation
- ▶ Possibility to rinse the system with an agent
- ▶ Recording 20 most recently completed services
- ▶ Uncomplicated and cheap service
- ▶ Identification of the agent (optional)

Specific information:

- ▶ Coolant: R1234yf
- ▶ Electronic weight of the coolant: - Accuracy +/- 10g
- ▶ Weight for used oil: - Accuracy +/- 1g
- ▶ Electronic vacuum gauge: Kl. 2.5
- ▶ Operating capacity: tank - 7 kg R134a / 1234yf
- ▶ Molecular sieve filter and mechanical of thin mesh
- ▶ Vacuum pump 70 l / min
- ▶ Maximum vacuum of 0.05 mbar
- ▶ Compressor capacity: 300g/min
- ▶ 3m cable with elongation
- ▶ Thermal printer (optional)
- ▶ Agent identifier (optional)

The unit includes:

- ▶ Pair of protective gloves
- ▶ Goggles
- ▶ A set of connectors for the outer cylinder
- ▶ Standard calibration weights
- ▶ Allen key for locking / lowering the balance
- ▶ Manual



CONNECTOR FOR NITROGEN



SUGGESTED WORKING PRESSURE



CAR DATABASE + TRUCK + AGRI



EASY CALIBRATION



IMPROVED OIL CLEANING



LOW OPERATION COSTS

EACH UNIT INCLUDES FREE:

PROTECTIVE COVER, POSTER, GLOVES, PROTECTIVE GOGLES, TRAINING AND ADVERTISING BANNER.



Alaska BUS

007950015220



ALASKA BUS is a fully automatic Magneti Marelli unit, designed for the diagnosis and operation of air conditioning systems. The device makes it easy to perform service interventions in two ways:

- 1) Manual operation: the operator performs recovery of the refrigerant, draining, oil injection, filling.
- 2) Automatic function: operations are performed automatically by selecting a car code from the database or automatically in programmable cycle (without the help of the operator by setting individual functions entered by the operator).

The database of cars, vans, trucks and agricultural machines improves the operator's performance and speeds up the operation of the air conditioning system. The station has a large tank and one of the most efficient vacuum pumps (226l / min), so it is recommended to work with large systems such as buses.

Equipment:

- ▶ Programmer, and high-end electronic electrovalve control system
- ▶ Safety valves
- ▶ Pressure sensors
- ▶ Additional radiator (with electric fan) of the coolant
- ▶ Three analog gauges
- ▶ Two manual valves
- ▶ Three tanks for: fresh oil, used and contrast
- ▶ Printer (optional)
- ▶ 5m service cables with extension
- ▶ Clear alphanumeric display
- ▶ Additional manometer indicating pressure in the inner cylinder
- ▶ An integrated electronic database that allows secondary identification of the vehicle based on the registration number along with the database of recently completed services
- ▶ Connector for Nitrogen (option)
- ▶ Connector for rinsing the system
- ▶ POE / UV tank (for hybrid vehicles with quick coupler)
- ▶ Heating belt

ALASKA BUS functions:

- ▶ Recovery of coolant contained in A / C
- ▶ Purification of mechanical pollutants
- ▶ Dewatering by filtration
- ▶ Separation of the agent from the oil contained in the system
- ▶ Measurement of the amount of recovered agent
- ▶ Measurement of the amount of recovered oil
- ▶ Test of the presence of residual factors in the system
- ▶ Dehumidification system with efficient vacuum pump
- ▶ System tightness test (vacuum or pressurized with nitrogen)
- ▶ Automatic or semiautomatic oil and contrast injection in the amount set by the operator or manual with visual inspection
- ▶ Recovering the remaining agent from the cables
- ▶ Manual operation

Made
in Italy



- ▶ Possibility to rinse the system with an agent
- ▶ System Diagnostics with Print (optional)
- ▶ Uncomplicated and cheap service

Specific information:

- ▶ Coolant: R134a
- ▶ Electronic weight of the coolant: - accuracy +/- 10g
- ▶ Electronic vacuum gauge: Kl. 2.5
- ▶ Operating capacity: tank 27.2 l-25 kg R134a
- ▶ Filter with molecular sieve and mechanical mesh
- ▶ Vacuum pump 226 l / min
- ▶ Maximum vacuum of 0.05 mbar
- ▶ Cables 5m
- ▶ Compressor capacity: 500g / min
- ▶ Thermal printer (optional)

The unit includes:

- ▶ Pair of protective gloves
- ▶ Protective goggles
- ▶ A set of connectors for the outer cylinder
- ▶ Standard calibration weights
- ▶ Allen key for locking / lowering the balance
- ▶ Manual



PRINTER



CONNECTOR FOR NITROGEN



SUGGESTED WORKING PRESSURE



CAR DATABASE + TRUCK + AGRI



EFFECTIVE PUMP



IMPROVED OIL CLEANING



LOW OPERATION COSTS

EACH UNIT INCLUDES FREE:

PROTECTIVE COVER, POSTER, GLOVES, PROTECTIVE GOGGLES, TRAINING AND ADVERTISING BANNER.



Alaska PREMIUM

007950015230



ALASKA PREMIUM is a fully automatic Magneti Marelli unit, designed for the diagnosis and operation of air conditioning systems. The device makes it easy to perform service interventions in two ways:

- 1) Manual operation: the operator performs recovery of the refrigerant, draining, oil injection, filling, rinsing.
- 2) Automatic function: operations are performed automatically by selecting a car code from the database or automatically in programmable cycle (without the help of the operator by setting individual functions entered by the operator).

The device is equipped with a database of the latest service and diagnostics helpful in detecting faults in air conditioning as well as nitrogen test with the use of built-in pressure sensor. Rinsing function of the air conditioning system allows removing oil contamination. All operations shown on the LCD screen are continuously printed.



Made in Italy

Equipment:

- ▶ Programmer, and high-end electronic electrovalve control system
- ▶ Safety valves
- ▶ Pressure sensors
- ▶ Pressure sensors in tank (pressure measurement in tank with alarm)
- ▶ Additional radiator (with electric fan) of the coolant
- ▶ Two analogue manometers with suggested pressure
- ▶ Thermal printer
- ▶ Built-in database with choice of passenger car, vans, trucks and agricultural machinery and the possibility of supplementing with additional vehicles with diagnostics and the database of the last services
- ▶ Electronic scales for oil and refrigerant
- ▶ Service cables 3m long with possibility of extension
- ▶ LCD display
- ▶ Four oil storage tanks for recovered, fresh oil, used, and contrast and oil for the hybrids vehicles, heating belt, connector for rinsing the system
- ▶ POE / UV tank (hybrids) with quick coupler
- ▶ Connector for nitrogen (max 15 bar), USB

ALASKA BUS functions:

- ▶ Recovery of coolant contained in A / C
- ▶ Cleaning mechanical pollutants
- ▶ Dewatering of the agent by filtration
- ▶ Separation of the agent from the oil contained in the system
- ▶ Measurement of the amount of recovered agent
- ▶ Measurement of the amount of recovered oil
- ▶ Dehumidification of the system with efficient vacuum pump
- ▶ System tightness test
- ▶ Automatic or semiautomatic oil and contrast injection in the amount set by the operator or manual with visual inspection

- ▶ Recovering the remaining agent from the cables
- ▶ Manual operation
- ▶ Possibility to rinse the system with an agent
- ▶ Diagnosis of the system along with printout, factor in / out factor
- ▶ Uncomplicated and cheap service
- ▶ Automatic or manual uncondensed gas release
- ▶ Database upgrade via USB
- ▶ Possibility of nitrogen connection and measurement with printout
- ▶ Ability to convert to R1234yf

Specific information:

- ▶ Coolant R134a / 1234yf
- ▶ Electronic coolant:
 - accuracy of +/- 10 g
- ▶ Electronic weight of fresh / used oil: accuracy +/- 1 g
- ▶ Electronic vacuum gauge: Kl. 1.0
- ▶ 3m wires, low pressure gauges / high pressure: Kl. 1.6
- ▶ Internal tank capacity: 25kg / 27l
- ▶ Compressor capacity: 300g / min
- ▶ Pump capacity: 100 l / min
- ▶ Final vacuum level: 5 Pa - 0.05 mbar
- ▶ Molecular sieve filter
- ▶ Mechanical fine mesh filter, thermal printer

The unit includes:

- ▶ Pair of protective gloves, safety goggles, set of external cylinder connections, standard calibration weight, Allen key for locking / lowering the balance, manual.



YouTube Calibration and manuals available on-line



CONNECTOR FOR NITROGEN



PRINTER



DATABASE CAR + TRUCK + AGRI



EASY CALIBRATION



IMPROVED OIL CLEANING



LOW OPERATION COSTS



WEIGHT BLOCK



AGENT IDENTIFICATION



HYBRID CARS OIL SERVICE

EACH UNIT INCLUDES FREE:

PROTECTIVE COVER, POSTER, GLOVES, PROTECTIVE GOGLES, TRAINING AND ADVERTISING BANNER.



Alaska PREMIUM HFO

007950015240



ALASKA PREMIUM HFO is a device for filling and diagnostics of air conditioning systems using the new HFO-1234yf coolant. Equipped with fully automatic functions and complying with the European and US safety regulations as well as the provisions of the SAE (Society of Automotive Engineers) Directives. The performance of the ventilation system guarantees the best heat dissipation, and the placement of the tachometric fan at the bottom of the unit allows for removal also, the leaking gas and transporting it outwards through the ventilation system of the car workshop.

The two colling modes, developed in compliance with SAE standard, and in order to facilitate the operation of the operator, meet the requirements of the operating time of the workshop.

Additionally, it allows identification of the coolant with an optional identifier. The device is equipped with a database of the latest services and diagnostics helpful in detecting faults in air conditioning as well Nitrogen test with built-in pressure sensor. The air conditioning system rinses to remove oil contamination. All operations shown on the LCD screen are continuously printed. Innovative working alerts signal device malfunction, automotive installation and maintenance.



Made in Italy

Equipment:

- ▶ Programmer, and high-end electronic electrovalve control system
- ▶ Safety valves
- ▶ Pressure sensors
- ▶ Cylinder pressure sensor (pressure measurement in a bottle with an alarm)
- ▶ Additional radiator (with electric fan) of the coolant
- ▶ Two analogue manometers with suggested pressure
- ▶ Thermal printer
- ▶ Built-in database with choice of passenger car, vans, trucks and agricultural machinery and the possibility of supplementing with additional vehicles together with diagnostics and the database of the last services
- ▶ Electronic scales for oil and coolant
- ▶ Service cables 3m long with the possibility of extension compatible with J2888 standard,
- ▶ LCD display
- ▶ Four oil storage tanks for recovered, fresh oil, contrast and oil for hybrid vehicles, heating belt, connector for flushing system
- ▶ POE / UV tank (hybrids) with quick coupler
- ▶ Coolant Identifier (optional)
- ▶ Heating belt, nitrogen connection (max 15 bar) USB connector
- ▶ Parker quick connectors conforming to J2888
- ▶ Automatic or semiautomatic oil and contrast injection in the amount set by the operator or manual with visual inspection
- ▶ Recovering the remaining agent from the cables, manual operation
- ▶ Registration of functions performed in the form of a customer friendly printout
- ▶ Possibility to rinse the system with coolant, diagnosis of the system along with printout
- ▶ Balance of in / out factor, uncomplicated and cheap service
- ▶ Balance of in / out factor, uncomplicated and cheap service
- ▶ Automatic or manual uncondensed gas release
- ▶ Database upgrade via USB
- ▶ Possibility of nitrogen connection and measurement with printout via a pressure sensor in the unit
- ▶ Identification of the coolant (Optional)

Specification:

- ▶ Coolant: R1234yf
- ▶ Electronic weight of the coolant: - accuracy of +/- 10 g
- ▶ Electronic weight of fresh / used oil: accuracy +/- 1 g
- ▶ Electronic vacuum gauge: Kl. 1.0
- ▶ Low pressure / high pressure gauges, pressure: Kl. 1.6
- ▶ Internal tank capacity: 10 kg, compressor capacity: 300g / min
- ▶ Cables 3m
- ▶ Pump capacity: 100 l / min
- ▶ Final vacuum stage: 5 Pa - 0.05 mbar
- ▶ Molecular sieve filter
- ▶ Fine mesh filter, Thermal printer

The unit includes:

Pair of protective gloves, safety goggles, set of external cylinder connections, standard calibration scales, Allen key for locking / lowering the balance, manual.

Device features:

- ▶ Recovery of coolant contained in A / C
- ▶ Purification of mechanical pollutants
- ▶ Dewatering of the agent by filtration
- ▶ Separation of the agent from the oil contained in the system
- ▶ Measurement of the amount of recovered agent
- ▶ Test of the presence of residual factors in the system
- ▶ Dehumidification with efficient vacuum pump
- ▶ System tightness test



NITROGEN CONNECTOR



PRINTER



DATABASE CAR + TRUCK + AGR



EASY CALIBRATION



IMPROVED OIL DISCHARGE



LOW OPERATING COSTS



SCALES LOCK



AGENT IDENTIFICATION



HYBRID CARS OIL SERVICE

EACH UNIT INCLUDES FREE:

PROTECTIVE COVER, POSTER, GLOVES, PROTECTIVE GOGGLES, TRAINING AND ADVERTISING BANNER.



AIR CONDITIONING BENCHES COMPARATIVE TABLE					
	ALASKA START	ALASKA START HFO	ALASKA BUS	ALASKA PREMIUM	ALASKA PREMIUM HFO
1. Agent	R134a	R1234yf	R134a	R134a (convertible at 1234yf)	R1234yf
2. Identification of the agent	No	Option	No	No	Option
3. Built-in database	Yes	Yes	Yes	Yes	Yes
4. Memory of recent operations	Yes	Yes	Yes	Yes	Yes
5. A/C Diagnostics	Yes	Yes	Yes	Yes	Yes
6. Built-in printer (with personalization of the printout)	Option	Option	Yes	Yes	Yes
7. HP-LP, HP, LP	Manual Valves	Manual Valves	Manual Valves	Solenoid Valves	Solenoid Valves
8. Recovery	Aut	Aut	Aut	Aut	Aut
9. Oil recovery	Aut without weight	Aut without weight	Aut weight with scale	Aut weight with scale	Aut weight with scale
10. Vacuum	Aut	Aut	Aut	Aut	Aut
11. Leakage Test	Aut	Aut	Aut	Aut	Aut
12. Loading Phase	Aut	Aut	Aut	Aut	Aut
13. Rinsing system	No	Yes	Yes	Yes	Yes
14. Operation with nitrogen kit	No	Option	Option	Option	Option
15. Empty Non condensable Gas	Aut. with Valve	Aut. with Valve	Aut. with Valve	Valve with Electrovalve Valve	Valve with Electrovalve Valve
16. Keyboard and Alphanumeric display	Alphanumeric min 4 x 20 (4 buttons)	Alphanumeric min 4 x 20 (4 buttons)	Alphanumeric min 4 x 20 (4 buttons)	LCD screen with buttons	LCD screen with buttons
17. Oil Injector (Auto-weight)	Based on time	Based on time	Based on time	Auto weight	Auto weight
18. UV Injector (Auto-weight)	Based on time	Based on time	Based on time	Based on time	Based on time
19. Manometers HP-LP	80 mm	80 mm	80 mm	80 mm	80 mm
20. Fresh Oil Container With Quick Coupler	Yes	Yes	Yes	Yes	Yes
21. POE / UV container (for hybrid cars) with quick coupler	No	Yes	Option	Yes	Yes
22. Hose length	3000 mm	3000 mm	5000 mm	3000 mm	3000 mm
23. Vacuum pump capacity	70 L	70 L	226 L	100 L	100 L
24. Vacuum	Min. 0,05 mBar	Min. 0,05 mBar	Min. 0,05 mBar	Min. 0,05 mBar	Min. 0,05 mBar
25. Compressor	9 cc	9 cc	14 cc	9 cc	9 cc
26. Heating belt	No	Yes	Yes	Yes	Yes
27. Inner bottle	10 kg	10 kg	25 kg	25 kg	10 kg
28. Cylinder pressure sensor with measurement of relative temperature	No	No	No	Yes	Yes
29. Pressure reading in the inner tank	No	Manometer	Manometer	Screen	Screen

Heating Belt For Container 12,5 L
007935090760

Heating Belt For Container 27,2 L
007935090770



Printer For Station Plus/Hd/Next
007935096320

Printer for A/C units Alaska Start HFO /Alaska BUS
007950015510



Mm6F / Mm7F Service Kit (Filter+Oil)
007950024110

Air Check / Clima Tech / Next Service Kit (Filter+Oil)(Suitable for all AC Machines Magneti Marelli+Bosch ACS 500,450,400,Silvertronic, Tronic, Delphi-series Refmatic)
007950024130



Filter Robinair Spx Valeo Dimension 76Mm Lenght 275Mm **007950025050**



Filter Robinair Spx Valeo Dimension 90Mm Lenght 294Mm, M1/4"xM1/4" (ClimFill - Auto and Advance) **007950025060**



Filter Texa Dimension 76Mm Lenght 240 Mm Connector M3/8"x M3/8"(series 6xx)
007950025070



Filter Texa Dimension 76Mm Lenght 240 Mm Connector M3/8"x M3/8"(series 7xx) **007950025560**



Filter Robinair/Bosch dimension 76Mm Lenght 235mm M3/8"xM3/8" (ACS 511,ACS 611,Robinair AC690 ACS95) **007950025900**



Filter Brainbee/Valeo(BrainBee CLIMA 8000, 8250, 8500, 9000, 9000BUS,CLIMA FILL PROFI,CLIMA FILL MAXI) **007950025920**



Filter Brainbee dimension 76Mm lenght 160Mm, M1/4"xM1/4"(Brain Bee CLIMA 6000, 6000 EVO,CLIMA FILL EASY) **007950025930**



Filter for Magneti Marelli ,Bosch ACS 500,450,400,Silvertronic,Tronic,Delphi-seria Refmatic) Ø76 mm lenght 230 mm connectors 3/8" **007950025055**



Vacuum Pump Oil 0,5 l For Diffrent Air Conditioning Stations **007935090600**
Vacuum Pump Oil 1,0 l For Diffrent Air Conditioning Stations **007950024880**
Vacuum Pump Oil 5,0l For Diffrent Air Conditioning Stations **007950026580**



Ozon-Maker

430104018045



1000
mg/h



Ozon maker

The device, by ionizing the air, produces unstable allotropes of oxygen, i.e. ozone O₃. Ozone, being a very strong oxidant, and removes all impurities accumulated in the cabin. It effectively removes damp that collects mainly on floor coverings and on air conditioning evaporators. It also eliminates unpleasant odors. Depending on the size of vehicle cabin and the degree of its contamination, the device has the ability to select the operating mode and time (5, 10, 15, 30, 60 minutes). In case of buses, it is recommended to use several Ozone Maker devices. Ozone (O₃) is in the atmospheric air, where it is formed from oxygen under the influence of UV radiation. Ozone is a gas heavier than air, it is unstable and decomposes quickly. Decomposition accelerates growth of the temperature, humidity and air pollution. In water, ozone decomposes more rapidly than in the air. In the form of gas it is colorless, in thicker layers it is blue. In the liquid state it is intensely dark-blue, and in the solid state it is almost black. Ozone is a very strong oxidizing compound, much stronger than oxygen. It breaks down into oxygen molecules and atomic oxygen. Due to its very strong oxidizing properties is widely used in industry.

- Dimensions: 320 x 220 x 95 mm
- Supply voltage: 220/240 V- 50 Hz – 0,15 A – 18 W
- Device capacity: 3 l/min.
- Ozone production: 1 g/h

Thanks to its compact design and long ozone exhaust pipe, removal of contaminants is extremely easy. Placing the pipe tip, ended with a probe, in the desired location in a cabin or in the dust filter's location, does not pose any problems.

- Easy to handle
- Removes all impurities
- Removes damp
- Eliminates odors
- Easy and environment friendly functioning
- Eliminates costs of use and disposal of chemicals

Ozonator M-MX4000

007936210010



4000
mg/h

MX4000 ozoniser

By ionising the atmospheric air, the MX4000 device produces an unstable allotropic form of oxygen – ozone O₃. Ozone, as a very strong oxidiser, removes all contaminations from the cabin. It removes residual water collecting on the floor covering and A/C system evaporator. It also eliminates unpleasant odours as well as fungi, bacteria and viruses dangerous to our health. Due to its high level of efficiency – over 4000 mg/h – the device works well for buses and larger vehicle cabins, it also enables much quicker decontamination of passenger cars. Ozone (O₃) is a part of atmospheric air, generated as an effect of ultraviolet radiation. Ozone is heavier than air, unstable and quickly decomposing.

The decomposition process contributes to the increase of air temperature, humidity and pollution. Ozone decomposes in water quicker than in the air. In its gaseous form, ozone is transparent, with a blue tint in thicker layers. Liquid ozone is dark blue, solid state – nearly black. Ozone is very strong oxidant, much more potent than regular oxygen.

Technical data:

- Ozone generator efficiency: 4000 mg/h
- External pump capacity: 10-15 l/min
- Programmable counter states: 1-60 min
- Pressure generated by the pump: 17 Kpa

Working environment: inside well-ventilated rooms without corrosive gases.

- Atmospheric operation conditions: 100±4 Kpa
- Operating temperature range: 5-40 °C
- Operating relative humidity: <80%
- Ozone generation method: corona discharges
- Outlet conduit diameter: 8 mm
- Power supply: AC 220-240V 50Hz

Ultima ID Gas identifier without printer
(R134a, R1234yf)

007935020000



**ULTIMA ID 1234yfR1234yf
REFRIGERANT ANALYSER:**

- Fast and accurate coolant purity testing
- Displays the percentage concentration: R1234yf, R134a and hydrocarbons
- Clear and easy to interpretate test results
- USB updatable
- Increased oil resistance



SPECIFICATIONS:

- Tested coolants: R1234yf, R134a
- Accuracy: Better than (+/-) 1.0%
- Displays the percentage concentration: R1234yf, R134a, HC, air
- Operating Temperature: 10°C to 50°C
- Power supply: 110/220 V, 50/60 Hz
- Communication protocols: USB 2.0
- User Interface: LCD + 3 buttons
- Certificates: CE, SAE
- Integral pump calibration: YES

Ultima ID Gas identifier with printer
(R134a, R1234)

007935020010



**R1234yf REFRIGERANT
ANALYSER:**

- Fast and accurate coolant purity testing
- Displays the percentage concentration: R1234yf, R134a
- Clear and easy to interpretate printable test results
- USB updatable
- Increased oil resistance



SPECIFICATIONS:

- Tested coolants: R1234yf, R134a
- Accuracy: better than (+/-) 1.0%
- Displays the percentage concentration: R1234yf, R134a, HC, air
- Operating Temperature: 10°C to 50°C
- Power supply: 110/220 V, 50/60 Hz
- Communication protocols: USB 2.0
- User Interface: LCD + 3 buttons
- Certificates: CE, SAE
- Integral pump calibration: YES

Filter for identifier

007935020020



Thermal paper for printer in identifier

007935020030



1234yf refrigerant gauge set
(gauge, 3 hoses 1.80 m, HP and LP Quick-couplers)

007950024725

Set for a comprehensive checking leaks in automotive air conditioning systems operating on 1234yf refrigerant. Kit includes gauges, hoses and quick-couplers in aesthetic and durable carrying case..



Electronic Leak Detector
For R1234yf Refrigerant

007950025830

Allows to locate the leak in the system as easily as possible:

- 3 levels of sensitivity
- electronic scale to indicate the size of the leak
- detects leaks up to 2gr / year
- 46cm flexible probe
- battery test
- audible alarm indicating the leakage scale



R1234YF Gas Analyzer

007935021060



R1234yf refrigerant, 5Kg
(007950014561 container necessary)

007950014325

Refrigerant R1234yf (007950014320) - complete With Container, 5Kg (007950014561)

007950014561



Adapter Dupont To The Bottle For New Refrigerant

007950025800



Adapter Honeywell To The Bottle For New Refrigerant

007950025810



Adapter Hp To The Bottle Dupont

007950026650



Adapter Hp to the Honeywell bottle

007950026660



Universal adapter LP to bottle with 1234yf
007950026670



Oil equal to PS D1 for 1234yf 250 ml
007950026330



Universal adapter HP to bottle with 1234yf
007950026680



UV Contrast in Injector for hybryde+cable 12 pcs
007950026350
UV Contrast in Injector for hybryde+cable 12 pc
007950026360



Uv Dye 1234yf 350 m
007950024910



A/C Unit Hose - 250 Cm For Refrigerant 1234yf Red 1/4"SAE X1234yf
007950024950



Oil Pag For Refrigerant 1234yf 250 ml
007950024920



A/C Unit Hose - 250 Cm For Refrigerant 1234yf Blue 1/4"SAE X1234Yf
007950024960



UV dye 1234YF 250 ml
007950024915



Quick Coupler Hp For 1234yf
007950024930



Quick coupler Lp For 1234y
007950024940



Oil Pag 100 for 1234yf 250ML
007950024925



Quick coupler LP HFO 1234yf Parker
007935020120



Oil for hybrid cars for 1234YF
007950024685



Quickcoupler HP HFO 1234 yf Parker
007935020130



N2 Connection Kit For Next A/C Units

007935090850



Warranty Extension 12 Months For All Units

099994910040



Booklet Database 2017

007935090895



Upgrade Usb For Ct Top Next/Ct
Top Maxi 2017

007935090891



Data Upgrade For Clima Tech Top 2017
Station - Memory Card

007935090890

Data Upgrade For Clima Tech Plus/Hd Next
2017 - Memory Card

007935090880

Data Upgrade For Clima Tech Mobile/
Evolution 2017 - Memory Card

007935090870



New Oil Or Uv Container For Clima Tech Plus /
Hd / Evo/ Top / Next

007935096230

Used Oil Container For Clima Tech Top / Plus /
Hd (Not For Ct TOP Next)

007935097100



Used and fresh Oil Container for Matic/
Plus old/Mobile (round)

007950013570



Oil Container for Clima Tech Top/Plus/Hd Next/
Alaska(round soft plastic)

007935090915

007935096770



Safety Cover For Air Check / Clima
Tech / Next

007950015045



Hfo 1234Yf Conversion Kit FROM
134A TO 1234YF

007935090865

Conversion kit for A/C units Alaska Start HFO/
Alaska BUS. From R134A to R1234YF

007950015580

Hfo 1234Yf Conversion Kit
FROM 1234YF TO 134A

007935090860



Kit For Covering Hybrid Cars For
Clima Tech Plus/Hd Next

007935090835



Additional
Set For A/C Flushing
For A/C Machines

007950024060



Gas analyzer to Alsaka Start HFO/Alaska
Premium HFO A/C filling units

007950015690



Ultrasonic Nebulizer
Clean Air

007950025340

A devices with 24 pcs
of „Pine“ Refreshing Spray

00794100201

Aerosol spray is carried
out by transferring the
chemical solution to the surface
of a piezoelectric crystal that vibrates
at a frequency of between 15 and 20 kHz.
This vibration creates a mist floating on the ultrasonic
transducer which is driven by the fan to the outlet of the
device. The, it is absorbed by the recirculated air causing
it to clean and eliminate bacteria and odors.

The main advantage of the method is to produce a thin ultrasonic mist
at room temperature. Therefore, the particles are not too easily settle
on surfaces encountered. This prevents condensation due to the higher
temperature of the fluid vaporized in comparison with the environment.
Coarse drops are removed during the impact with the walls of the
chamber and only those with a diameter of about 5 to 10µm are able
to enter the air vents.

Ultrasonic frequency module: 1,7Mhz
Voltage: 240V
Power: 40W
Capacity: 250ml / h
Temperature: 1°C to 60°C
Storage temperature: -30°C to 90°C
Dimensions: 240x185x120mm



Set Of 2 Decontamination Sprays
100 MI Foam And 150 MI "Granate"

007950024870



Decontamination Foam 400 MI

007950025630



Decontamination Spray - Singel-Use
"Granate" 200 MI Leavander

007950024020

Decontamination Spray - Singel-Use
"Granate" 200 MI Pine

007950024021

Decontamination Spray - Singel-Use
"Granate" 200 MI Musk

007950024022

Decontamination Spray - Singel-Use
"Granate" 200 MI Talk

007950026510

Decontamination Spray - Singel-Use
"Granate" 200 MI Vanilia

007950026520



Decontamination Liquid 5L

007950025150



Condensed Decontamination
Liquid 1L

007950025160



Fluid For Ultrasonic Nebulizer -
Universal 1 L

007950025490



Fluid For Ultrasonic Nebulizer -
Universal 5 L

007950025500



Cleaning Liquid For A/C System
Elements (Active Foam) 5 L

007950025180



Decontamination spray 400 ml
with pipe (multiuse)

007950024900



Cleaning Spray
For Condenser 400 MI (2pcs)

007950024050



Set of fluids for ultrasonic nebulizer 3 fragrances-24 pcs (8 pcs of each fragrance)

007950026530

Fluid For Ultrasonic Nebulizer Pine
50 MI 24 pcs

007950025350

Fluid For Ultrasonic Nebulizer Lavenda
50 MI 24 pcs

007950025360

Fluid For Ultrasonic Nebulizer Musk
50 MI 24 pcs

007950025370



R134A Gas Analyzer

007935090940



MINI ID - R134a

REFRIGERANT ANALYZER:

At the moment on the automotive market there is refrigerant. To prevent damage to the air conditioning system in your car or station air conditioning maintenance, control of quality factor. Mini ID is able to verify the quality of R134a refrigerant for air too much content as well as propane or butane pollution.

SPECIFICATIONS:

- Weight: 0.8kg
- Supported factors: R134a (Tetrafluoroethane)
- Tolerance: Correct / Incorrect - 95% Pure R134a
- Certificates: SAE J1771 and CE
- User Interface: Membrane buttons with indicator lamps
- The calibration method: Manual pump
- Storage temperature: -10°C to + 50°C
- Operating temperature: + 10°C to + 45°C

Identifier And Analyzer For Cooling Gases Hvac

007935090950



**ULTIMA ID-TECH -
IDI ANALYZER FOR GAS COOLING:**

Ultima ID-nech allows for verification of R134a, R22, R12, R407C, R410, R404A, together with the determination of the air and the amount of hydrocarbons. The result can be confirmed by printing (optional).

SPECIFICATIONS:

- Power supply: 12 V DC @ 2A via 110/220 VAC adapter; Optional AA batteries
- Certificates: CE, UL and CUL
- User Interface: Graphical, buttons, built-in printer
- Sample gas: Pressure from the cylinder
- Temperature range: 10 °C to 37.7 °C
- Response time: Less than 3 Minutes
- Humidity: 0-95% RH
- The weight of the sample gas: 5g per test
- Working pressure: 50 psi - 500 psi

Pirometer/Laser Thermometer

007950013810



Professional device for measuring the temperature of objects moving, inaccessible or dangerous to the touch. The pyrometer is equipped with a laser sight, precisely defining the place of measurement, has a high accurate to within 0.1 °C. Allows for 15 hours continuous operation.

Pwm Valves Simulator and Tester

007935063040



MM vcomp serves as a direct power supply to control valve for all clutchless, directly driven air compressors with an external performance control without having to create a connection to the electrical system of the vehicle. User-friendly format allows significant time savings during the diagnosis of air conditioning equipment. With MM vcomp, you can add new aspects to the A/C system diagnostics you offer.

TECHNICAL SPECIFICATIONS:

- Power supply: 11-15 V
- Temperature range: -10°C to +40°C
- Storage temperature: -20°C to +50°C
- Current intake: max. 3A
- Compressor control efficiency: 3%-100%

Currently supported models:

Denso: 5SER09, 5SE09C, 6SEU14, 6SEU16, 7SEU16, 7SEU17
Saniden: PXE13, PXE16



Thermometer

007950024030



- temperature range -50 C to +300 C

Dual Infrared Thermometer / Contact

007950013830



Accurate thermometers, necessary in diagnosing systemsC - laser thermometer, thermometer with probe or infrared digital thermometer.



Filter Kit With Sight glass

007950024780Zestaw filtracyjny
z wzornikiem.Compressor And Compressor
Parts Dismouting Tool Kit Full**007950016010**

Complete set
for removing
elements compressor.
Contain all of the tools
necessary to replace
seals, clutches and clutch bearings in
equipment brand Diesel Kiki (Zexel), Hitachi,
Mitsubishi, NIPPONDENSO, Seiko-Seiki and Sanden 505, 508, 510, 575,
708 and 709. Set was packed in foam cut pockets and enclosed in a hard
metal tool box. The set is accompanied by instructions. Set includes: Key
to pull the seal YorkHandle to the compressorThe key to drive the bearing
Diesel Kiki; The key to setting up the clutch Diesel KikiThe key to remove
and attach the pulley bearingsSpindle pulley; Body puller; Universal key
to the clutchThe key to downloading and reinstalling the seal; Protective
sleeve sealsThe key to setting up the clutch discThe key to removing the
clutch disc brand NIPPONDENSO;The key to the prosecution nut Diesel Kiki.

Extended set for disassembly of
compressor components**007950016020**

For removing elements compressor.
Contain all of the tools necessary to
replace seals, clutches and clutch bearings
in equip-ment brand Diesel Kiki (Zexel),
Hitachi, Mitsubishi, NIPPONDEN-
SO, Seiko-Seiki and Sanden 505, 508, 510,
575, 708 and 709. Set was packed in foam
cut pockets and enclosed in a hard metal tool box. The set is accompanied
by instructions. Set includes: Key to pull the seal York



Handle to the compressor
The key to drive the bearing Diesel Kiki
The key to setting up the clutch Diesel Kiki
The key to remove and attach the pulley
bearings / Spindle pulleyBody puller
Universal key to the clutch / The key to
downloading and reinstalling the seal
Protective sleeve seals / The key to setting
up the clutch disc / The key to removing
the clutch disc brand NIPPONDENSO
/ The key to the prosecution
nut Diesel Kiki



Quick Coupler LP 1/4" SAE

007950013780

Quick Coupler HP 1/4" SAE

007950013790Basic set for disassembly
of compressor components**007950016030**

The basic set to dismantle parts
of the compressor kit includes:
Universal key to the clutchKey to remove the blade and clutch
company Sanden SD 5 and 7bearingThe key to inserting / removing
the clutch disc metricThe key to inserting / removing the clutch disc
gradual Chrysler C171 / Ford S 61 Hitachi-MI / Tecumseh Hr-9801Key
removing / attaching NIPPONDENSO GP / 109 put off spindle clutch disc.

Electronic Scale 80 Kg

007950025380

Max load 80 kg
Electronic LCD screen wit accuracy 10 g.
Packed in robust and quality plastic suitcase.

Tool For Dismounting Valve Core
(Without Recovery Of Refrigerant)**007950025200**Blue Hose 2500 Mm
F 1/4" X F 1/4" 180D**007950013760**Blue Hose 4000 Mm
F 1/4" X F 1/4" 180D**007950024730**A/C Unit Hose - 250 cm For Refrigerant
1234yf Blue 1/4"SAE X1234yf**007950024960**A/C Unit Hose - 400 Cm For Refrigerant
1234yf Blue 1/4"SAE X1234Yf**007950024965**Red Hose 2500 Mm
F 1/4" X F 1/4" 180D**007950013770**Red Hose 4000 Mm
F 1/4" X F 1/4" 180D**007950024720**A/C Unit Hose - 250 Cm For Refrigerant
1234yf Red 1/4"SAE X1234Yf**007950024950**A/C Unit Hose - 400 Cm For Refrigerant
1234yf Red 1/4"SAE X1234Yf**007950024955**

Quick Coupler 180° 1/4"LP
007950024000



Quickcoupler Parker® high pressure
HP 1/4" SAE
007935020110



Quick Coupler 180° 1/4"HP
007950024010



Quickcoupler LP HFO 1234 yf Parker
007935020120



Quick Coupler Hp For 1234yf
007950024930



Quickcoupler HP HFO 1234 yf Parker
007935020130



Quick Coupler Lp For 1234yf
007950024940



Quick Coupler BMW
007950024560



Quick Coupler HP M14 x1.5 with
connector on 1/4"SAE Male
007950025230



Quick Coupler For Renault Hp-Lp
007950025250



Quick Coupler LP M14 x1.5 with
connector on 1/4"SAE Male
007950025240



O-Rings Holder
007950024820



Quickcoupler Parker® low pressure LP
M14x 1.5mm
007935020080



Ford Kit Springlock 4 Pieces
007950024760



Quickcoupler Parker® high pressure HP
M14x 1.5mm
007935020090



Opel Kit Springlock 4 Pieces
007950024770



Quickcoupler Parker® low pressure LP
1/4" SAE
007935020100



Spring Lock Tool Lp Hose For Toyota
007950025020



Additional Filter
007950013800



Spring Lock Tool Hp Hose For Toyota
007950025030



Valve Core Remover
007950025040



Valve Core Remover
007950024350



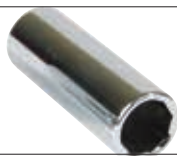
Orifice Tube Dimounting Kit
007950025220



Oil Injector 1/4" Ffl X 1/4" Mfl
007950014140



Octagonal Wrench For
Lp R134A Socket Remove
007950014150



Octagonal Wrench For Hp R134A
Socket Remove
007950014160



3W + UV Swivel Light
007935030020

Magneti Marelli Workshop lamps have robust chasis and IP54 resistance class: usb and 230V charge - bottom with magnet - breaking 120 - Hooks - led with UV 3W + UV Beacon

Features and Specifications:

- 3W front COBLED provide > 240 lumens
- The upper LED with UV 395 ~ 410nm
- The rotation of 120 degrees
- magnet in the lower part of the handle
- Clip-on "nest" in the lower / upper part of the handle
- Charging socket with level indicator
- 2-3 hours
- 3-4 hours to recharge
- Adapter 5V 1A CE mini-USB cable



Swivel 3W Workshop Lamp COB LED
+ UV mini front lighting

007935030130

Functions and specification:

- 0.9W front COBLED provide 90-110 lumens
- upper LED with UV 395-410nm
- the rotation of 120 degrees magnet in the lower part of the handle
- charging socket with level indicator
- 2.5-3 working hours
- incl. mini-USB



UV Lamp 12V/50W (Additionally
Oil With UV + Uv Dye Cleaner)

007935090120

ELECTRONIC LEAK DETECTOR
WITH A UV LAMP allows for a quick leak localization in the system by the use of an electronic probe or a UV lamp.

- 6 sensitivity degrees (15 detection degrees)
- three-color electronic scale indicating the volume of leakage
- detects leaks up to 3 gr/year
- detects all CFC, HCFC, HFC agents
- flexible probe 43cm long • battery test
- an audible alarm indicating the scale of leakage • mute function
- UV protective goggles
- very bright UV diode lamp



Uv Lamp 100 W
007950024700

- UV lamp 100W
- Safety glasses



UV Lamp 50W With Charger
And Battery

007950025190

UV LAMP 50W CHARGER And
Spectacle (INTERNAL BATTERY
+ Loading ARKA)



1234yf refrigerant gauge set (gauge,
3 hoses 1.80 m, HP and LP Quick-couplers)

007950024725

Set for a comprehensive checking leaks in automotive air conditioning systems operating on 1234yf refrigerant. Kit includes gauges, hoses and quick-couplers in aesthetic and durable carrying case..



Uv Lamp 9 Led With Battery

007950025840

Compact source of UV light to help detect leaks in automotive air conditioning systems. Durable aluminum Led. Power Box. Contain 9 LEDs Battery.



Special UV Glasses

007950025280



Manometers Set
1/4" 63mm

430104017091



Manometers for 1234yf

007950024715

Manometer for checking leaks in automotive air conditioning systems filled with 1234yf. The set consists of two manometers mounted on a common collector equipped with connecting pipes. (WITHOUT CABLES)



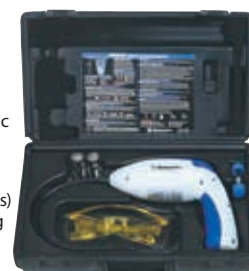
Electronic Leak Detector
With Uv Lamp

007950013850

Allows for a quick leak localization in the system by the use of an electronic probe or a UV lamp.

SPECIFICATION:

- 6 sensitivity degrees (15 detection degrees)
- three-color electronic scale indicating the volume of leakage
- detects leaks up to 3 gr/year
- detects all CFC, HCFC, HFC agents
- flexible probe 43cm long
- battery test
- an audible alarm indicating the scale of leakage / mute function
- UV protective goggles
- very bright UV diode lamp



Electronic Leak Detector Hydrogen

007950013840

Allows for a quick leak localization in the system by the use of an electronic probe.

- 6 sensitivity degrees (15 detection degrees)
- three-color electronic scale indicating the volume of leakage
- detects leaks up to 3 gr/year
- detects Hydrogen
- flexible probe 43cm long
- battery test
- an audible alarm indicating the scale of leakage
- mute function
- UV protective goggles / very bright UV diode lamp



Mobile Set For Hydrogen Tests

007950025880

Kit for testing the leak nitrogen / hydrogen (hydrogen) (1 kg hydrogen cylinder, regu-lator and pressure gauge 40 bar , the detector shut-off valve)

Set for a comprehensive checking leaks in automotive air conditioning systems operating on R134 factor and 1234yf. The kit includes an electronic leak detector, pressure gauges and wires wrapped in aesthetic and durable carrying case. Mixture inside the container is 5% hydrogen and 95% nitrogen. It has smaller particles than nitrogen allowing the detection of smaller leaks and control through a detector which can not be on the pure nitrogen.

The kit includes:

- ▶ electronic leakage detector, hydrogen
- ▶ pressure gauges and conduits placed in a neat and durable case
- ▶ pressure reducer
- ▶ reducer adapter
- ▶ 1 l hydrogen container
- ▶ pressure gauge with scale for measurement
- ▶ HP quick connection coupling for the R1234yf and 1234yf refrigerants.



You Tube Calibration and manuals available on-line

Electronic Leak Detector
Hydrogen

007950025820



Allows for a quick leak localization in the system by the use of an electronic probe.

	H	M	L
95% N2, 5% H2	2g/year	15g/year	30g/year

- 6 sensitivity degrees (15 detection degrees)
- three-color electronic scale indicating the volume of leakage
- detects leaks up to 3 gr/year
- detects Hydrogen
- flexible probe 43cm long
- battery test
- an audible alarm indicating the scale of leakage
- mute function
- UV protective goggles
- very bright UV diode lamp

Hydrogen Electronic Leak
Detector 1234yf

007950025830



Allows you to easily locate the leak in the system with the help of electronic signaling probe audibly or visually leak.

Specifications:

- Detectable gases: R-134A, R-404A, R407C, R-410A, R-22, 1234yf
- Sensitivity: H M L R22,134a 3g/year 15g/rok 30g/year R-404A, 407C, 410A 4g/year 20g/year 40g/year 1234yf 3g/year 15g/year 30g/year
- Alarm mode: buzzer, diode bar, tri-color indicator
- Used Power: 4 AA alkaline batteries (6V DC)
- Cable length: 40 cm (15.5")
- Dimension / Weight: 173 x 66 x 56 mm (approximately 400 g)
- Akcesoria: Baterie alkaliczne - 4 szt., instrukcja obsługi, flakon
- Accessories: Alkaline batteries - 4 pieces
- Manual, bottle leakage control, carrying case for transporting

Manometer Kit+Hoses 2.5 m
M+Quickcouplers

007950024710

**A set of gauges:**

- suitcase
- manometers
- 3 wires (180 m)
- 2 quick



Diode UV

430104017590

Sensor For Electronic
Leak Detector

007950014310

Sensor for electronic leak
detector hydrogen

007950027010

Electronic leak detector for HFC,
R134A,R1234yf,Hydrogen

007950027000



Microprocessor control with advanced digital signal processing.

- Multicolor display
- High-medium-low selector switch of leakage detection sensitivity
- Low battery indicator
- Semiconductor gas sensor
- Detection of 5% hydrogen (H2) + 95% nitrogen (N)
- Carrying case included
- 15.5" (40 cm) flexible stainless steel probe
- A reference leakage source is included
- Resetting the surrounding concentration
- High-current DC brushless fan
- Automatic zero and background compensation

Features and specifications:

Detected gases: R-134A, R-404A, R407C, R-410A, R-22, 1234yf itp. Description:

	H	M	L
R22, 134a	3g/year	15g/year	30g/year
R-404A, 407C, 410A	4g/year	20g/year	40g/year
1234yf	3g/year	15g/year	30g/year

Detected gases: 5% hydrogen (H2) + 95% nitrogen (N)
Sensitivity: less than 5 ppm

	H	M	L
95% N2, 5% H2	2g/year	15g/year	30g/year

- Alarm mode: buzzer, LED strip, tri-color indicator
- Used power: 4 AA alkaline batteries (6V DC)
- Cable length: 40 cm (15.5")
- Dimensions / Weight: 173 x 66 x 56 mm (approximately 400 g)
- Accessories: Alkaline batteries - 4pcs Service manual, bottle for leakage control, transport case
- Battery autonomy: Approx. 7 hours in case of normal use
- Automatic shutdown: 10 minutes
- Turn off the automatic shutdown: press the button "Hi" and then turn on the meter
- Warm-up time: approx. 45 seconds
- Temperature and humidity in use: 0 - 40 ° C, <80% RH
- Storage temperature and humidity: -10 - 60 ° C, <70% RH
- Altitude: <2000M (6500')

Digital gauge 1/4"

007950014300



A set of digital gauges allow for advanced leak tests of automotive air conditioning systems. The kit includes an integrated digital module manifold equipped with a 1/2" and valves.

TECHNICAL DATA:

- Refrigerant: R134a
- Displayed parameters: page LP - PSI, Bar, bar, kg / cm2 and IN-Hg, p HP: Bar, bar kg / cm2
- Temperature display range: -4 to 93 ° C
- Response time: 250 ms
- Connectors: 1/2"
- Operating temperature: 0 to 45 ° C
- Power: 9V battery
- Battery Life: 350 hours continuous operation
- Low battery indicator: the icon on the display
- The ability to upgrade the software



NEW

AC Flush PRO

007935110700



PRINTER

This device in a new release that allows full air conditioning system maintenance and replacement of liquids in air conditioning systems and cleaning of the air conditioner during operation. The AC FLUSH PRO is powered by a 12V power supply using a car battery, which allows it to be used independently of the power supply, for example in the field. Small Dimensions allow you to carry AC FLUSH PRO in smaller vehicles and at the same time it is easy to be stored in hard to reach areas. The device is designed to work under high pressure so you can feel safe even in unpredictable situations. As one of the few in the market, it allows you to print out the system's rinsing process. Use a non-flammable liquid for air conditioning systems.

TECHNICAL PARAMETERS:

- ▶ Power supply: 12V car battery.
- ▶ Cables, hydraulic components and fittings: Three-wire steel tubing with Viton seal. Internal electrical cable - IDEALCARBUR 3/4 with external insulation to protect the wires in the creharging area.
- ▶ Pump: Maximum flow = 4.5 liters / min
- ▶ Maximum pressure = 5 bar
- ▶ Dimensions: Width = 610 mm
- ▶ Height = 1030 mm
- ▶ Depth = 560 mm
- ▶ Weight: ~ 50 kg
- ▶ Operating temperature: +7 °C do +40 °C



Cool Weather

007950024620



Magneti Marelli would like to present COOL WEATHER washer, designed specifically for car air conditioning systems. From time to time, metal fillings from a compressor or other solid elements get into the air conditioning system of a vehicle that has gone through an accident. This causes contamination of the air conditioning system, reducing the compressor's efficiency and, most commonly, the compressor seizure. This and many other reasons can cause damage to the compressor. Its exchange only will not be sufficient to make the air conditioning system work properly. The solid parts remaining in the system will return to the compressor, causing the damage again (but this time to the new compressor), expansion valve blockage and/or a clogged dryer filter. It then becomes necessary to clean the contamination of the internal air conditioning system. COOL WEATHER is the device specifically designed for this purpose. With a very efficient pump installed, the device allows for complex washing of the inner surface of the individual elements of the system, and drying of the surface. The device also includes special tips for connection to any element of the air conditioning, a filter and connection cables. The device is equipped with a pressure gauge indicating the current pressure of the cleaning medium.

THE KIT INCLUDES:

- ▶ clamps for connecting the elements
- ▶ the device
- ▶ removable filter
- ▶ a set of tips



ACCESSORIES

Flushing Device
For Buses

007950025000



Manual Flushing Kit

007950024740



Set of flushing adaptors - extended set for european, asian and american cars

007936210020



Set of flushing adaptors- extended universal

007936210730



Mobile Set For Nitrogen Tests (1 Kg Nitrogen Bottle, Reducer, Pressure Gauge 40 Bar)

007950025860

Leak test kit for automotive air-conditioning system with nitrogen.

The kit includes:

- Case of polypropylene
- Pressure regulator for cylinders with a capacity of 5 liters
- Pressure gauge with hose and a three-way valve
- The yellow wire 1500mm
- Bottle Hydrogen (a mixture of nitrogen and hydrogen) - 1 liter
- Reduction for cylinders with a capacity of 1 liter
- Leak Detector hydrogenu



Manometer 40 Bar with hose 30 Cm and valve

007950025870



Cylinder With Hydrogen 1L

007950025890



Flushing Device For Buses

007950025390

Apparatus for washing systems with greater capacity only for use with non-flammable liquids.

TECHNICAL DATA:

- Power: 0.5 HP
- Power supply: 230 V
- A flow reducer 100 to 25%
- The valve flow direction
- Dimensions: 25,5x35x20 cm
- Weight: 8.20 kg



Adapters Kit For Flushing Machine - Basic
007950024750



SET FOR AIR CONDITIONING FLUSHING SYSTEMS MANUAL (SET TERMINAL + CYLINDER + TANK). Rinsing.pac-kage is powered by compressed air. Cylinder filled with liquid enables pulsed manual lavage systems.



Nitrogen bottle 5L

007950024970



Nitrogen bottle 1L

007950024980



Pressure Reducer For Nitrogen 1L

007950025310



Pressure Reducer For Nitrogen Professional (Max 34 Bar)

007950024990



Professional reducer allowing the pressure change occurring in the nitrogen cylinder.

Special Orings Set 88Pcs

007950024090



Sealing Washers Set 36 pcs

007950025090



Set Of Orings Full 361 pcs

007950025510



Orings And Spring Locks Set (Ford And Gm(60 Pcs)

007935090930



Ac Flushing Fluid 1 L flammable (for pneumatic devices)

007950024530

Ac Flushing Fluid 5 L flammable (for pneumatic devices)

007950024540

Ac Flushing Fluid 20 L flammable (for pneumatic devices)

007950024550

Ac Flushing Fluid 1 L non-flammable

007950026620

Ac Flushing Fluid 5 L non-flammable

007950026630

Ac Flushing Fluid 20 L non-flammable

007950026640



Sealing Wit Metal 4pcs
Internal Diam 17,7 Mm

007950025530

Sealing Wit Meta 4pcs
Internal Diam 14,7 Mm

007950025540

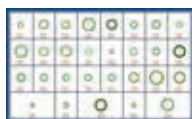
Sealing Wit Meta 4pcs
Internal Diam 11,7 Mm

007950025550



Set Of 29 diffrent types Orings 435 Pcs

007950025520



Set For Fixing Hoses And Quick
Couplers (90Pcs)

007935090931



Set Of 256 violet o-rings

007936210720



Fiat Group Orings Kit
152 pcs

007935090690



Universal Orings Set 172 pcs

007935090750



Standard Orings Set
120 pcs

007950024080



O-Ring N° 6 (10Pcs)

007950024150

O-Ring N° 10 (10Pcs)

007950024160

O-Ring N° 8 (10Pcs)

007950024170

O-Ring Evaporator

007950024180

O-Ring 11.13 X 9.25
Press. M (10Pcs)

007950024200

O-Ring 6.7 X 5.1 (10Spcs)

007950024205

O-Ring 7.5 X 10.3 G6
Denso (10Pcs)

007950024210

O-Ring 24.4 X 20 Comp.
Denso (10Pcs)

007950024220

O-Ring 12.7 X 10.3 G8
Denso (10Pcs)

007950024230

Sealing O-ring, Inner Diameter.
17,7Mm (3Pcs)

007950024260

Sealing O-ring, Inner Diameter.
14,7Mm (3pcs)

007950024270

Sealing O-ring, Inner Diameter.
11,7Mm (3Pcs)

007950024280

Sealing O-ring, Inner
Diameter. 8,7Mm (3 Pcs)

007950024290

Dubble O-ring, Outer Diameter
15.4Mm (5Pcs)

007950024300

Dubble O-ring, Outer Diameter.
10Mm (5Pcs)

007950024310

Dubble O-ring, Outer Diameter.
18Mm (5Pcs)

007950024320

O-Ring 24,4 X 20 Denso (10Pcs)

007950024330

O-Ring 23,7 X 20,22 Harrison (10Pcs)

007950024340

O-Ring 9Mm (10Pcs)

007950024360

O-Ring Peugeot 6460P2 (5Pcs)

007950024370

O-Ring Peugeot 6460P1 (5Pcs)

007950024380

O-Ring Renault 1-
7701207274 (5Pcs)

007950024390

O-Ring Renault 2-
7701207274 (5Pcs)

007950024400

O-Ring Renault 3-
7701207274 (5Pcs)

007950024410

O-Ring 8 Mm (10Pcs)

007950024450

PACK 10 Sealing washers
for compressors

007950026135

PACK 10 Sealing washers
for compressors

007950026140

007950026145

007950026150

007950026155

PACK 10 Sealing washers
for compressors

007950026160



Set Of Caps And Service
Ports 69 pcs

007950025260



Protective Cap R134A
Lp(2Pcs)
007950024240



Service Port 15 X 1,0
007950024580
Service Port 13 X 1,1
007950024590



ADAPTER FEMALE 1/4"
x FEMALE 1/4" 1pc
007950026295



Protective Cap R134A
Hp(2Pcs)
007950024250



Service Port Hp 12 X 1,5
007950024600



CYLINDER ADAPTER
3/8" 1pc
007950026300



Protective Cap R134A Lp
(2Pcs) - Japanese Cars
007950025290



Adapter M1/4 Sae X M1234Yf
007950025780



ADAPTER FEMALE 1/2"
x MALE 1/4" 1pc
007950026305



Protective Cap R134A Hp
(2Pcs) - Japanese Cars
007950025300



Adapter M3/8 Sae X M1234Yf
007950025790



Service Valves Kit 33Pcs
007950024070



Black CAP 1/4" 1pc
007950026235
Black CAP 3/16" 1pc
007950026240



Adaptor for bottle R134 W21,8
x1/14 X 13 Mm(big valve)
007950024100



Adapter for bottle R134A
W21,8 x1/14" X 13 Mm (big
valve)+ Adaptor for HP
quickcoupler 1/4" SAE (7/16")
007950024810



Valve core Serwisowy
Stadardowy (10Pcs)
007950024190



Valve core R12/R134
19 x 5,1 Mm (10Pcs)
007950024420



HIGH PRESSURE CAP
M10x1 1pc
007950026245



High Pressure Adaptor
1/4" X 13 Mm
007950024840



Valve core JRA
21,55 x 7,8 mm(5Pcs)
007950024430



LOW PRESSURE CAP
M8x1 1pc
007950026250



Hoses Connector
1/4 X 1/4" Sae
007950024040



Orifice Tube Set 18 pcs
007950024570



HIGH PRESSURE CAP
M10x1,25 1pc
007950026255



ADAPTER FEMALE 3/8"
x MALE 1/4" 1pc
007950026275



CAP LOW PRESSURE
M9x1 1pc
007950026260



ADAPTER FEMALE 1/4"
x MALE 3/8" 1pc
007950026280



CAP HIGH PRESSURE
M10x1 1pc
007950026265
LOW PRESSURE CAP
M8x1 1pc
007950026270



ADAPTER MALE 1/2"
x MALE 1/4" 1pc
007950026285



Adaptor Hp Ford M 10 X 1,25
007950024800



ADAPTER MALE 1/4"
x MALE 1/8" 1pc
007950026290



Set of service valve cores
(10 diffrent valve cores-57 pcs)
007936210050



Valve with green o-ring 3pcs;
Renault service valve 5pcs;
KIA Service Valve / Hyundai 5pcs;
Valve with oval o-ring VW MW
3 pieces; Service Valve GM 10 mm 3pcs;
Service Valve GM 8mm 3pcs;
Service Valve Volvo Peugeot 5 pcs;
Service Valve JRA 5pcs;
Service Valve GM 5pcs;
Standard Service Valve 20pcs;
Wrench for removing the valves)

BLUE ORIFICE TUBE(ford)
007950026185
GREY ORIFICE TUBE(Audi)
007950026190
YELLOW ORIFICE TUBE(Yellow)
007950026195
WHITE ORIFICE TUBE(Fiat)
007950026200
BROWN ORIFICE TUBE(Brown)
007950026205
BLACK ORIFICE TUBE(Opel)
007950026210
PURPLE ORIFICE TUBE(Chrysler)
007950026215
ORANGE ORIFICE TUBE(Ford)
007950026220
RED ORIFICE TUBE(Ford)
007950026225
GREEN ORIFICE TUBE(Ford)
007950026230



Valve core High Flow
20 x 7 mm (5Pcs)
007950024440



Valve core Vw Gm
18,7 x 6 mm(5Pcs)
007950024460



Valve core Standard
21,8 x 8 mm (5Pcs)
007950024470



Valve core Standard
22,1 x 9,8 mm(5Pcs)
007950024480



Valve core Duzy(Fioletowy)
27,155 x 7,8 mm 1Pc
007950024830



Service valve 21,8 MM X
8MM - HFO 1234YF
007950026690
Service valve 22,1 MM X 9.8MM -
HFO 1234YF
007950026700



Valve core Renault
18,35 x 5,1 mm 1Pc
007950025400



Valve core Do Kia Hyundai
18,5 x 6,5 mm 1Pc
007950025410



Hydraulic Press For Crimping
007950016040



It is a universal, lightweight and handy device for crimping hoses in the air conditioning systems. By the use of Hydra Krimp hydraulic hand pump this operation is performed easily, quickly and precisely. This tool is ideal for use both in a workshop, as well as in the field.

THE KIT INCLUDES:

- HYDRAULIC HAND PUMP
- CABLE-CLAMPING JAWS
- HOSE CLAMPS (MATRIX) OF THE SIZES 6(5/16"), 8 (13/32"), 10 (1/2") I 12 (5/8") MM 6(5/16")SRB, 8 (13/32")SRB, 10 (1/2")SRB AND 12 (5/8")SRB MM
- REDUCTION CLAMPS WITH THE ABOVE MENTIONED DIAMETERS
- CARRYING CASE FOR ALL THE ELEMENTS

Manual Press For Crimping
007950013860



It is a universal, lightweight and handy device for crimping hoses in air conditioning systems. Manual crimping of hose ends allows for a proper selection of crimping force. A solid foundation made of hardened steel allows for a convenient permanent mounting of the entire handle. It enables using of an ordinary manual or hydraulic wrench.

THE KIT INCLUDES:

- hose clamps (matrix) of the sizes 6(5/16"), 8 (13/32"), 10 (1/2") i 12 (5/8") mm
- cable-clamping jaws
- reduction clamps with the above diameter
- carrying case for all the elements

Hydraulic expander
for the pipes
007936210710



Set of dies for Crimper -
6 (1/2 reduced barrier)
430104017513



Set of dies for Crimper -
10 (1/2 reduced barrier)
430104017608



Set of dies for Crimper -
12 (1/2 reduced barrier)
430104017095



Big Ratio Hose Shears
007950013870



Hose cutters
007950025210



Burgaclick/Smart splice
007935021050



AC hose #06 5/16"
007935020960
AC hose #08 13/32"
007935020970

AC hose #10 1/2"
007935020980

WHITE ORIFICE TUBE(Fiat)
007950026200

AC hose #12 5/8"
007935020990

AC hose reduced barrier #06 5/16"
007935021000

AC hose reduced barrier #08 13/32"
007935021010

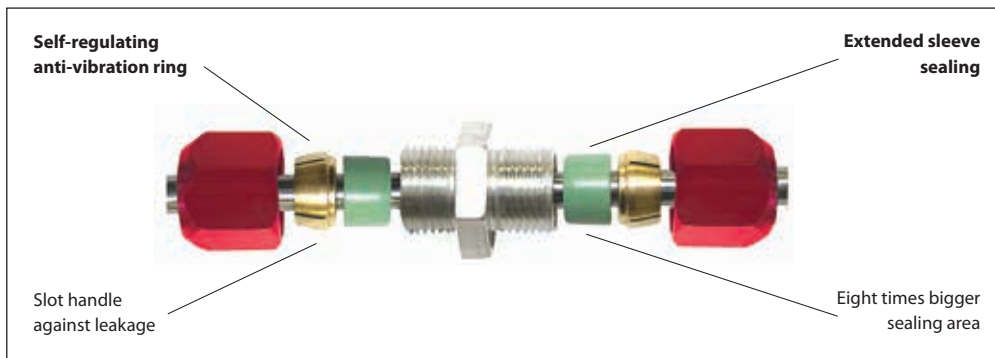
AC hose reduced barrier #10 1/2"
007935021020

AC hose reduced barrier #12 5/8"
007935021030

AC hose reduced barrier #14 3/4"
007935021040



Quick repair systems SMART • Spring Lock Connectors



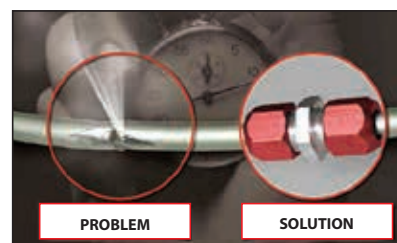
Quick repair systems for damaged car wiring in air conditioning systems.
Approved by OE manufacturers.

The **SMART System** solves both time and attendant problems as well as the reliability of traditional cable repair methods:
Remove the damaged part and reconnect the ends of the wires

- No need to remove the cable
- No welding
- No chemical binders
- No specialized tools

Innovative Seal Design:

- Special material HNBR (Acrylonitrile Rubber) of which the seal was made
- Patented anti-vibration ring
- Unique sealing ring and anti-vibration ring
- Seal area 8 times larger than O-Ring



For more info,
visit on-line page:



AVAILABLE TYPES OF REPAIR ELEMENTS

Line A/C High Side
"T" for 10mm OD
007935020390



Terminat Rear
A/C Blockoff Kit
5/16" OD
007935020430



Connector Spring
Lock female
90 degree nr
6 aluminium
with beadlock
007936210690
007936210290



Line 90 Degr Rep Kit
for 3/4" OD
007935020590



Line Terminator
SAE / Metric Ten
Pack
007935020740



Connector Spring
Lock male 90
degree nr 6
aluminium
007936210480



Line Splice 90
Degree SAE Four
Pack
007935020650



Bush size G6 steel normal
barieer hose fi 19.5 X 9.6

007936210030

Bush size G8 steel normal
barieer hose fi 23.5 X 12.3

007936210040

Bush size G10 steel
normal barieer hose
fi 26 X 14.3

007936210110

Bush size G12 steel normal
barieer hose fi 29 X 18

007936210100

Bush size G6 steel reduced
barieer hose fi 15,5x9.6

007936210060

Bush size G8 steel reduced
barieer hose fi 18x 12.3

007936210070

Bush size G10 steel reduced
barieer hose fi 20x15.6

007936210080

Bush size G12 steel reduced
barieer hose 24.3x19.2

007936210090



Valve core Do Kia Hyundai
18,5 x 6,5 mm 1Pc

007950025410



R134A container 12 kg

007950014290

Refrigerant R134a
only gas

007950014280



Refrigerant R1234Yf
(007950014325)

007950014325

Container for
1234yf, 5Kg

007950014561



Pao Oil 68 250 MI

007950024630

Pao Oil 68 1 L

007950024640

Pao Oil 68 5 L

007950024650



Pag Oil Iso46 1Lt

007935090660

Pag Oil Iso100 1Lt

007935090670

Pag Oil Iso150 Lt

007935090680



Pag Oil Iso46 250 MI

007935090710

Pag Oil Iso100 250 MI

007935090720

Pag Oil Iso150 250 MI

007935090730



Valve core Vw GM
18,7 x 6 mm (5Pcs)

007950024460



Valve core Standard
21,8 x 8 mm (5Pcs)

007950024470



Valve core Standard
22,1 x 9,8 mm (5Pcs)

007950024480



Valve core big (Violet)
27,155 x 7,8 mm 1Pc

007950024830



Service valve 21,8 MM
X 8MM - HFO 1234YF

007950026690

Service valve 22,1 MM X 9.8MM -
HFO 1234YF

007950026700



Valve core Renault
18,35 x 5,1 mm 1Pc

007950025400



Vacuum Pump Oil 0,5l
For Diffrent Air Conditioning
Stations

007935090600

Vacuum Pump Oil 1,0l
For Diffrent Air Conditioning
Stations

007950024880



Oil For Hybrid Cars
for R134a equal
to ND 11 250 MI

007950024680



Oil Pag 46 With
Uv 250 MI

007950025570

Oil Pag 46 With
Uv 1000 MI

007950025580

Oil Pag 100 With
Uv 250 MI

007950025590



Oil Pag 100 With Uv 1000 MI

007950025600



Polyester Oil (Poe) Iso 100
1Lt+ Contrast Uv

007935090650

Polyester Oil (Poe)
Iso 100 1Lt

007935090740



Oil Pag 150 With Uv 250 MI

007950025610



Pao 68 Oil 0,5 L With UV

007950024860

Pao 68 Oil 1 L With UV

007950024850



Oil Pag 150 With Uv 1000 MI

007950025620



Oil PAG 68 250 ml
007950026370

Oil PAG 68 1l
007950026380

Oil PAG 69 5l
007950026390

Oil PAG 68 UV 250 ml
007950026400

Oil PAG 68 UV 1l
007950026410

Oil PAG 68 UV 5l
007950026420



Uv dye UV in synergie+adapter
hose 12 pcs

007950026340

Uv dye UV in synergie to
hybrid+adapter hose 12 pcs
007950026350



Oil Pag 100 for 1234yf 250ML
007950024925

Oil for hybrid cars for 1234YF
007950024685



UV Dye (250ML)
007935090640

UV Dye 1L
007950025320

Contrast Uv 5L
007950024610

Pag olaj R1234Yf
250 ml közeghez
007950024920

Kontrasztanyag 1234 Yf 250 ml
007950024915



UV Dye Remover 400 MI
007950025270



Solvent Cleaner For Air
Conditioning Systems
1000 MI
007950025770



Blister Of Syringes
With Uv Dye
(12X7,5MI)
007950025910



Leak Finder 400 MI
007950024690



Acidity oil test
007950026480



Oil POE 170 250 ml
007950026540

Oil POE 170 UV 250 ml
007950026550

Oil POE 220 250 ml
007950026560

Oil POE 220 UV 250 ml
007950026570



Mineral oils neutralizer
150ml
007950026590
Ester oils neutralizer 150ml
007950026600



Leak Stop For A/C Systems
300 MI with UV
007950025140
Leak Stop For A/C
Systems 30 MI
007950025330



Poe Oil 5 L
007950024490

Pag Oil 46 5L
007950024500

Pag Oil 100 5L
007950024510

Pag Oil 150 5L
007950024520



Acidity netralizator in
synergie 50 ml
007950026490



Stimulation and efficiency
fluid 30 ml
007950026500



UV Dye 1234 Yf 350 MI
007950024910



Clima Box Presenter
with ac consumables
007950026090



**Presenter contains
several air conditioning products.
Perfect presentation products.**

2 PAG OIL 46 x 250 ml
2 x 100 PAG OIL 250 ml
1 x OIL PAG 150 250 ml
1 x SINGLE decontamination SPRAY 200 ml
Lavender
1 x SINGLE de SPRAY 200 ml Pine
1 x SINGLE dekontamination SPRAY 200 ml
1 x UV CONTRAST (250ml)
1 x FOAM TO SEARCH leaks 400ml
1 x SEALING THE AIR CONDITIONING
1 x SET TWO decontamination sprays
1 x FOAM decontamination 400 ml



**MAGNETI
MARELLI**

DIESEL



Common Rail injectors test bench Magneti Marelli DS1R

007935101450
007935101440
007935101430
007935101420



Small but professional Piezo stack regeneration

Newest Common Rail injectors testing device on the market. It is characterized by a very compact design, what will be appreciated in the workshop with a limited space. Thanks to the latest technology allows to quickly and accurately check the technical condition of the injector. The basic version: DS1R-S/10 and DS1R-E/10, basing on electrical test, and leak test of the injector, generate a result in the form of PASS / FAIL report. DS1R-E/20 and DS1R-D/20 version, measures with high accuracy all parameters and on this basis create detailed report, with the reference to the embedded database.

An extensive database for all types of electromagnetic and piezo injectors Bosch, Delphi, Denso, Siemens / VDO / Continental. Free, automatic software updates. The ideal device for those who value ease of use and fast return on investment. Perfect for the professional injector regeneration services, and in the ordinary auto-service, which will help in the rapid assessment of the correctness of operation of the injector and its suitability for further use.

DS1R-S/10
(MM: 007935101420)
DS1R-E/10
(MM: 007935101430)

- ▶ Common Rail revolutionary testing solution for BOSCH, DELPHI, DENSO and CONTI/VDO injectors. Heavy Duty and Light Duty applications for all types of Piezo, Solenoid & Dual-Solenoid actuators.
- ▶ Max operating pressure 1000 bar
- ▶ R2LC test - electrical test,
- ▶ Injector Volume measuring test – iVM (without maximum load) – only in DS1R-E/10
- ▶ Optional RSP test (response time test) and aNOP (nozzle opening pressure) – additional RSP sensor
- ▶ Operation 1 injector
- ▶ Semi-automatic operation (manual pressure regulator)
- ▶ Static Electronic Mass Measurement
- ▶ Testing time ~ 5-10 minutes
- ▶ 8" touchscreen, Android operation system

MM CODE	MODEL	DESCRIPTION
007935101420	DS1R-S/10	DS1R-S/10 - 1000Bar Testing 1 CRDi's /Electronic Static Mass Metering / Semi-Automatic /Manual Pressure Control/ QUICK PASS-FAIL Test by CFL, R2LC TEST, Enabled RSP and aNOP Test / Includes: 1xiPSC.79 Optionals: RSP.10, CRIN adapters PS1, UB.XX, Oils, E
007935101430	DS1R-E/10	DS1R-E/10 - 1000Bar Testing 1 CRDi's /Electronic Static Mass Metering / Semi-Automatic /Manual Pressure Control/ QUICK PASS-FAIL Test by CFL, R2LC TEST, Enabled RSP and aNOP Test/ iVM Tests(PM, EM, LL, PI, VE) Includes: 1xiPSC.79 / Optionals: RSP.10, CR
007935101440	DS1R-E/20	DS1R-E/20 - 2000Bar Testing 1 CRDi's /Electronic Static Mass Metering / Semi-Automatic /Manual Pressure Control/ QUICK PASS-FAIL Test by CFL, R2LC TEST, RSP and aNOP Test / iVM Tests(VL, FL, PM, EM, LL, PI, VE)/ LKT test/ NLT test / Exclusive Accessories
007935101450	DS1R-D/20	DS1R-D/20 - 2000Bar Testing 1 CRDi's /Electronic Static Mass Metering / Full-Automatic / Electronic Pressure Control / QUICK PASS-FAIL Test by CFL, R2LC TEST, RSP and aNOP Test / iVM Tests(VL, FL, PM, EM, LL, PI, VE)/ LKT test/ NLT test / Exclusive Access

DS1R-E/20
(MM: 007935101440)
DS1R-D/20
(MM: 007935101450)

- ▶ Common Rail revolutionary testing solution for BOSCH, DELPHI, DENSO and CONTI/VDO injectors. Heavy Duty and Light Duty applications for all types of Piezo, Solenoid & Dual-Solenoid actuators.
- ▶ Max operating pressure 2000 bar
- ▶ Exact diagnosis on PASS/FAIL at CFL test with an immediate
- ▶ Injector Volume measuring test – iVM full-load, part-load, emissions, low-load, pre/post-injection tests)
- ▶ LKT - Static Back Leak Test
- ▶ NLT - Nozzle Leakage Test
- ▶ Optional RSP test (response time test) and aNOP (nozzle opening pressure) – additional RSP sensor
- ▶ Operation 1 injector
- ▶ Semi-automatic operation (manual pressure regulator) - DS1R-E/20
- ▶ Full automatic operation (electronic pressure regulator) - DS1R-D/20
- ▶ Static Electronic Mass Measurement
- ▶ Testing time ~ 10-12 minutes
- ▶ 8" touchscreen, Android operation system



Common Rail injectors test bench Magneti Marelli DS2R

007935100830

007935100840

007935100850

007935100860



**High
potential -
small cost.
Biggest database.**

- ▶ Test all types of electromagnetic and piezo injectors: Bosch, Delphi, Denso, Siemens / VDO / Continental with reference obtained results to the built-in database
- ▶ Over 2000 references of injectors
- ▶ Operation 1 injector
- ▶ Internal cleaning of injectors (function "MACC" in the "F"- version of the bench)
- ▶ Piezo stack regeneration function in Siemens / VDO, Denso and Bosch injectors
- ▶ iRVL – ball valve stroke generator
- ▶ Manual operation (manual control pressure)
- ▶ Measurement with volumetric tubes
- ▶ Test time of 12-19 minutes
- ▶ Tablet 8" with Android

- ▶ Automatic, free, updates of the software
- ▶ Possibility of connecting the unit injectors testing device - UIPR attachment



The best device for testing Common Rail injectors on the market, considering the relation of possibilities to the price. Proven, intuitive, friendly in use construction, thanks to the use of the most modern technology allows for quick and precise checking the technical condition of the injector.

An extensive database for all types of electromagnetic and piezoelectric injectors: Bosch, Delphi, Denso, Siemens / VDO / Continental. Free, automatic updates of the software. Perfect device for the ones appreciating convenience and quick return on investment.

Perfect for a professional injector regeneration workshop, and for the ordinary car service, where it will help in quick assessment of the correctness of the injector operation.

MM CODE	MODEL	DESCRIPTION
007935100830	DS2R-A/10	TEST & SERVICE BENCH FOR 1 CRDi MANUAL OPERATION STD: 1000BAR,iPSC.79,
007935100840	DS2R-A/10/F	TESTING & FLUSHING BENCH FOR 1 CRDi MANUAL OPERATION STD: 1000BAR,iPSC.79
007935100850	DS2R-A/20	TEST & SERVICE BENCH FOR 1 CRDi MANUAL OPERATION STD: 2000BAR,iPSC.79
007935100860	DS2R-A/20/F	TESTING & FLUSHING BENCH FOR 1 CRDi MANUAL OPERATION STD: 2000BAR,iPSC.79

Common Rail injectors test bench

Magneti Marelli CRU2R

007935100770
007935100780
007935100790
007935100800
007935100810
007935100820

**Created by
professionals -
for professionals**

**Coding Bosch,
Delphi and Denso
Injectors**

**Maximum work
pressure up to 2500 bar**



The most advanced device on the market for testing Common Rail injectors. Proven, intuitive, user-friendly design, thanks to the use of the most modern technology, allows you to check technical condition of the tested injector quickly and accurately. The capabilities of the device will be appreciated especially by professionals, looking for advanced technology, and wide application possibilities. With CRU2R / CRU4R devices, it is possible to generate new

codes for Bosch injectors (IMA, ISA), Delphi (C2i, C3i), and Denso (QR Code), and perform the piezo element regeneration procedure for Bosch, Denso, and Siemens/VDO piezoelectric injectors. For Bosch coil injectors, a ball valve stroke generator is built in. An extensive database for all types of electromagnetic and piezoelectric injectors: Bosch, Delphi, Denso, Siemens / VDO / Continental. Free, automatic updates of software.

Characteristics of devices

- ▶ Test of all types of electromagnetic and piezo injectors: Bosch, Delphi, Denso, Siemens / VDO / Continental and Two-tiered with reference to the database
- ▶ Over 2000 references of injectors
- ▶ Operation 1 (CRU2R) or 4 injectors (CRU4R)
- ▶ Working pressure: 2000 bar or 2500 bar
- ▶ Detecting the injector short to ground or between pins and protection of the main board against damage
- ▶ Designation of C2i and C3i codes for Delphi injectors, and IMA, ISA codes for Bosch injectors. (only RSP sensor required)
- ▶ Generating codes for Denso injectors Piezo and coil - optional
- ▶ Ball valve stroke generator (Bosch)
- ▶ Unique PIEZO stack regeneration function
- ▶ Internal cleaning of injectors (CRU2R only)
- ▶ Possibility of connecting an attachment for testing unit injectors (option - CRU2R only)
- ▶ Possibility of editing test plans
- ▶ Free database update
- ▶ Operation in automatic mode
- ▶ Built-in 12" Android tablet
- ▶ Clearly presented test results with a possibility of printing

MM CODE	MODEL	DESCRIPTION
007935100770	CRU.4R/20	TESTER wtryskiwaczy DIESEL CRU4R z pompą 2000 bar. Obsługa do 4 wtryskiwaczy (funkcja kodowania wtryskiwaczy, system Android, osłona, myjka, plyn do myjki 4 L)
007935100780	CRU.4R/30	TEST BENCH FOR 4 CRDi's FULL- AUTOMATIC OPERATION CODING FUCTION STD: 2500BAR, PRCO, 1xiPSC.79
007935100790	CRU.2R/20	TEST & SERVICE BENCH FOR 1 CRDi FULL- AUTOMATIC OPERATION CODING FUCTION
007935100800	CRU.2R/20/F	TESTING & FLUSHING BENCH 1 CRDi FULL- AUTOMATIC OPERATION CODING FUCTION STD: 2000BAR, UB-15s, PRCO
007935100810	CRU.2R/30	TEST & SERVICE BENCH FOR 1 CRDi / FULL- AUTOMATIC OPERATION CODING FUCTION
007935100820	CRU.2R/30/F	TESTING & FLUSHING BENCH1 CRDi FULL- AUTOMATIC OPERATION CODING FUCTION

Performed tests:

RLC

Electrical test of the injector
- piezo: μF
- coil: Ω/mH

CFL

Check for leaks test (injector internal or external)

LKT

Static back leak test

NLT

Nozzle leak test

aNOP

Automatic nozzle opening pressure test

iVM

Injector volume measuring test
(full-load, part-load, emissions, low-load,
pre/post-injection tests and more)

DFi

Testing the characteristics of the dose increment

RSP

Injector Reaction Time Test (Optional)

RSP - Injector reaction test

The RSP sensor is connected to each end of the injector for accurate measurement of the mechanical injector response to electric control.

Diagnosis: Clipping injector,
delayed fuel injection, low engine power,
High toxicity of exhaust components.

AZO software

Revolutionary software enabling use of the latest IT such as printing, or sending protocols over the network via WiFi, synchronization with the server, automatic update of the software and databases, remote access to the device, on-line technical support and more.

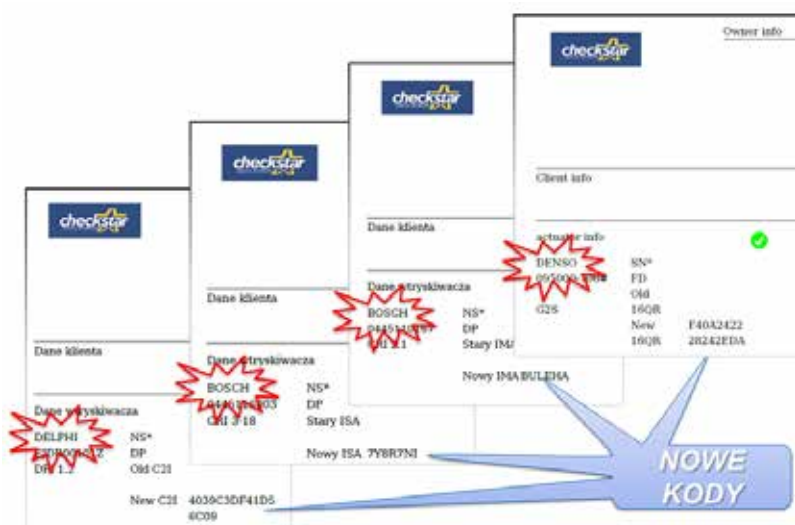
BK-iVM - dynamic weight measurement injector output

Accurate, repeatable and fast electronic measurement of injection doses and overflows. Only world-wide measuring system, which does not contain movable parts filtration or temperature calibration. It supports measurement of partial doses injected one after another as it takes place in the engine. Repeatability: 0,05%, accuracy: 0,2%.

iPSC - spray chamber

Illuminated spray test chamber under hypertension conditions. Allows you to observe injection pressure up to 2500 bar. Chamber enables visual distinguishing partial doses as it takes place in the cylinder.

Diagnosis: injection pressure of opening the injector, irregular spraying, leaking or overheated and failed injectors.



Common Rail injectors and/or CRp pumps test bench Magneti Marelli MTBR

007935101480

007935101680

007935101490

Very compact construction and modern design. Easy and convenient assembly and access to the tested components and intuitive software, allowing fast, efficient and most importantly safe work.

The most modern solution on the market

Testing CRDi, CRp, EUI / EUP

Coding for Bosch, Delphi and Denso injectors

- ▶ Maximum pressure up to 2500 bar
- ▶ Electronic and safe Protective Hood Opening (MTBR-E)
- ▶ Injector Coding: Delphi (C2i/C3i), Bosch (IMA/ISA), Denso (QR code - option), and others*
- ▶ Dynamic Electronic Mass (BK) Measurement (CRDi, HEUI, EUI/E)
- ▶ Accuracy: 0.2% FS, repeatability: 0.05%
- ▶ Static Electronic Mass (DFAP) Measurement (CRp)
- ▶ Resolution: 1mm3, accuracy: 0.6%FS
- ▶ Fully Automatic and fast testing phase
- ▶ Diesel Specialist level of Diagnosis
- ▶ Internal cooling system (No water connection needed)
- ▶ Instantaneous Emergency Stop function
- ▶ 15" Touchscreen HMI

* future updates



MM CODE	MODEL	DESCRIPTION
007935101480	MTBR/P	MTBR/P - Compact Standalone Diesel Test Bench / For All Types & Makes of CRDPump Systems / 2000Bar Capable / Smaller Flywheel (Cambox operation limited*) / Single Measuring Sensor / Electronic Static Mass Metering / Bosch CP1 / CP3 adaptability CRp includ
007935101680	MTBR/I	MTBR/I - Compact Standalone Diesel Test Bench / For All Types & Makes of 4 CRDi SYSTEMS (Cri, CRiN) / 2000Bar Capable / Single Measuring Sensor Electronic Electronic Dynamic Mass Metering / Injector Coding (Requires 4xRSP.04) / Bosch Coding IMA/ISA, Delphi Coding C2i/C3i Included (RSP.04 Required) / Four [4] Slot System/ Manually Operated Protective hood / CRPump included
007935101490	MTBR/E	MTBR/E - Compact Standalone Diesel Test Bench / For All Types & Makes of CRDi, CR-Pump, EUI/EUP, HEUI Systems / 2800Bar Capable / Cambox Operation / Dual Measuring Sensor /Electronic Electronic Dynamic Mass Metering & Static Mass Metering / Injector Codi

Specifications:

- ▶ All Makes OE, CZ & User Database
- developer and OE customizing
- ▶ Piezo & Solenoid programmable
actuation profiles
(HV: 0-300 Volts / 0-35A)
- ▶ Injector & PCB protection circuit (StG, StB, SC,
OC, IC) - multiple Injections capability
- ▶ Fast mounting and dismounting
of injectors and pumps
- ▶ Signaling and control hydraulic
system (30-300bar)
- ▶ Hydraulic system control & indication
(30-300 bar)
- ▶ User friendly, ergonomic, dynamic
& robust design
- ▶ Perfect access to tested components -
270 degrees
- ▶ Spill-free hose quick
connectors
- ▶ Complimentary startup kit of CRp / CRi
adapters, fittings and connectors for all
makes & types

Technical data	
Input	3 phase 380 V
Frequency	50/60 Hz
Speed range	0 – 4000 obr/min
Powerful Motor	15HP
Maximum operating ambient temperature	50 °C
High Pressure system Max Pressure	2500 bar
Test oil tank	35 l
Waste Oil tank	10 l
Dimensions	750 x 700 x 1610 mm
Weight	300 kg

Tests performed:

R2LC – Electrical actuator test for
- piezo: μF
- cewkowe: $\Omega/\mu\text{H}$

CFL – Check For Leaks test

LKT – Static Back Leak Test

NLT – Nozzle Leakage Test

aNOP – Automatic Nozzle
Opening Pressure test

iVM – Injector Volume Measuring
test (full-load, part-load, emissions,
low-load, pre/post-injection tests and more)

iVM-DFi – Injector Volume Measuring test
(multiple test-points slope, per pressure)

RSP – Injector nozzle Response-time test

BIP – Injector Control Valve Responsetime test

SPR – Dynamic Spray Test performed
in all testing conditions

Additionally:

High pressure Control Valve operation (DRV, IMV,
PCV, etc...)

High Pressure Sensor reaction

High Pressure relief safety valve operation

CR Pump flow limiter valve operation (ZME, IMV,
SCV, VCV, etc...)



Test bench electronic control & measurement unit - TBC-R

007935101690

007935101700

007935101710

100% POSSIBILITY - 50% PRICE

CRDi, CRp, EUI / EUP TESTING

A state-of-the-art electronic control and measurement module that allows you to control and accurately measure all injection systems used in today's diesel engines. Testing CRDi injectors, CRp pumps, and EUI / EUP and HEUI injectors, all types and all manufacturers.

Can be mounted on any conventional test bench available on the market. Modern compact design. Clear operating interface (10 inch touch screen), fast and convenient installation. Functions and capabilities of the device, identical with those available in the corresponding MTBR version.

Device properties:

- ▶ Maximum operating pressure for injectors CRDi up to 2500 bar
- ▶ Compatible with each conventional test bench available on the market
- ▶ Compact, light and portable construction
- ▶ Encoding of Delphi injectors (C2i / C3i) Bosch (IMA / ISA), Denso (QR code - optional) and other*

- ▶ Dynamic Electronic Mass Measurement (BK) for CRDi, HEUI, EUI / EUP
- ▶ Accuracy: 0.2% FS, repeatability: 0.05%
- ▶ Static Electronic Mass Measurement (DFAP) for CRp pumps
- ▶ Resolution: 1 mm³, Accuracy: 0.6%FS
- ▶ Fully automatic and fast test cycle
- ▶ Advanced level of diagnostics of Diesel injection systems
- ▶ Immediate emergency stop function
- ▶ 10" HMI touch screen
- * future updates

Specification:

- ▶ Database for all OE manufacturers, CZ, and the user database,
- ▶ Programmable activation profiles for piezoelectric and coil injectors (HV: 0-300 Volt / 0-35A),
- ▶ Advanced safety circuits for: Injector and PCB plate (StG, StB, SC, OC, IC),
- ▶ Ergonomic and robust design, user friendly.



Performed tests:

- R2LC** - Electric injector test
 - piezo: μF
 - coil: $\Omega/\mu\text{H}$
- CFL** - Injector leak test
- LKT** - Static return leakage test in the return of the injector
- NLT** - Injector tip integrity test
- aNOP** - Automatic opening pressure test of the injector tips
- iVM** - Injector Expansion Test (FL), Partial Load (EN), Emission Rate (EM), Slow Cycle (LL), Pre-Injection / PI (PI)
- iVM-DFi** - injector output test (variable dosage range for each test) Study of dose increment characterization
- RSP** - Injector reaction time test (optional)
- BIP [for UIS systems]** - reaction time of injector control valve
- SPR** - Dynamic spray test

Additional tests for CRp pumps:

- Operation of the high-pressure control valve (DRV, IMV, PCV, etc.)
- Response of the high pressure sensor
- Operation of the drop safety valve high pressure.

MM CODE	MODEL	DESCRIPTION
007935101690	TBCR/P	TBC-R/p - Test Bench Electronic Control & Measurement Unit for 1 CR Pump (All Types & Makes). Actuation Profiles-Data-Measurement / TestBench Simulator / DFAP Static Electronic Mass Metering / Standard Cables and Hoses are included.
007935101700	TBCR/I	TBC-R/i - Test Bench Electronic Control & Measurement Unit for 4 CRDi injectors, 4 HEUI, 1 EUI/EUP (All Types & Makes). Actuation Profiles-Data-Measurement-Coding Capability / TestBench Simulator / BK Dynamic Electronic Mass Metering (For Coding Function)
007935101710	TBCR/E	TBC-R/e - Test Bench Electronic Control & Measurement Unit for 4 CRDi injectors, 1 CR Pump, 4 HEUI, 1 EUI/EUP (All Types & Makes). Actuation Profiles-Data-Measurement-Coding Capability / TestBench Simulator / BK Dynamic Electronic Mass Metering (For Coding)

Test & service bench for unit injectors Magneti Marelli UIPR

007935100940

007935100950

007935100960

007935100970



Characteristics of devices:

- ▶ UIPR-S standalone unit (with TCCMR controller) for testing and cleaning (UIPr-S / F) of EUI / EUP pump injectors
- ▶ UIPR-A - an attachment for testing and cleaning (UIPr-A / F) pump injectors EUI / EUP, control and measurement with Series DS2R, CRU2 (4) R
- ▶ Semi-automatic operating mode
- ▶ Static Electronic Weighing (DFAP)
- ▶ Electronic test report printable
- ▶ 8" touch screen tablet Android

Key features:

- ▶ Extensive test database for coil and piezoelectric pump injectors
- ▶ Possibility of creating your own test plans
- ▶ Pneumatic UIPR control without using a testing table
- ▶ Quick installation and disassembly of injector pumps
- ▶ Controlling piezo and coil injectors (HV: 0-250V / 0-35A)
- ▶ Possibility of simulating up to 1200Rpm (600 cycles / min)



Cambox

Cambox device can be easily and quickly added to any kind of testing benches used for testing of all types of injectors (EUI) and pumping units (EUP).

Our device is universal, what means it can be mounted on any type of testing bench (Bosch, Hartridge, Rabotti, Magas, products made of China and others). Height of Cambox from its bottom to the transmission shaft axis is the same as the BOSCH device - 125mm.

Cambox tester simulates working conditions like in the engine. The coupler connecting the tester motor allows you to place each EUI / EUP to work, and adding a simulator (DGiC-1 / CB, or TCCMR / CB) allows stimulation of the coil operation as it happens in the engine. In standard configuration (factory pickup) the device allows you to carry out Volvo mechanical tests and one version of Iveco. For other EUI / EUP types there are available specially dedicated adapters, handles and shafts.

MM CODE	MODEL	DESCRIPTION
007935100940	UIPR-S	TEST & SERVICE STANDALONE BENCH FOR 1 EUI/EUP DIESEL INJECTOR
007935100950	UIPR-S/F	TESTING & FLUSHING STANDALONE BENCH FOR 1 EUI/EUP DIESEL INJECTOR
007935100960	UIPR-A	TEST & SERVICE ATTACHMENT BENCH FOR 1 EUI/EUP DIESEL INJECTOR
007935100970	UIPR-A/F	TESTING & FLUSHING ATTACHMENT BENCH FOR 1 EUI/EUP DIESEL INJECTOR

Injector repair system - "third phase"

Magneti Marelli has developed a repair technology of Bosch injectors, so called „Third phase“ (MM 007950011600). It is an essential element of Injector regeneration workshop equipment, Thanks to that it is possible to select all adjustable dimensions such as:

- ▶ ball jump
- ▶ air gap
- ▶ volume of the control chamber
- ▶ spring tension

Our equipment is based on a touch screen computer and allows micrometer control Calibrated to 0.001 mm. All measurements made using sensors During the repair procedure, they are automatically transferred to the computer, which by analyzing made measurements, corrects the thickness of adjusters (washers). Such a procedure guarantees that the injector will work properly. The System has a measurement database for Bosch electromagnetic injectors, both for passenger vehicles (so-called „110“) and trucks (so-called „120“). At present we also offer a measurement and regulation system for Siemens / VDO injectors. In case of Siemens / VDO injectors (piezoelectric), it is possible to measure all control elements, which affect the operation of the injector, both in its upper and lower parts. There are also control sets and complete endings of injectors available.



MM CODE	DESCRIPTION
007950011600	3 stage repair set for Bosch
007941000204	3 stage repair set for Denso
007941000205	3 stage repair set for VDO
007941000206	3 stage repair set for - extension to Denso
007941000207	3 stage repair set for - extension to VDO



Accessories for injector testers

RSP SENSOR - NOZZLE RESPONSE SENSOR
(7-9mm) - for coding function

007935100670



Testing Fluid Diesel 20 L (equal to
the norm Bosch VS 15665-OL-CV, ISO
4113-CV-AW, MAN, Volkswagen, MTU,
Lucas CAV, MB DBL 6513) recommended for
CRU series

007936200000



Injector coding function
DENSO (Software)
Activation of new QR codes coll for Denso
injectors (piezo and tubular). For testers
of CRU * R, TBCR and MTBR
series injectors

007935101660



Test-Fluid Diesel 4L

007935095110



Backleak Regulator For Conti / Vdo Piezo

007935095460



Fluid For Ultrasonic Cleaner 4L

007935095120



Backleak Regulator For Bosch Piezo

007935095470



Fluid For Internal
CleaningMacc Diesel 2L

007935095100



Nozzle Response Sensor-Bip
For Pumpinjectors

007935100410



Fluid For Internal Cleaning Macc
Diesel 25L (Dla Ds/Es/Gd Series)

007935100270



Pressurized illuminated spray tube

007935100650



Bench Stand Support

007935095390



Adapters for CRIN injectors

KOD MM	SPECIFICATION
007935095020	Adapter For Injectors Crin - Iveco/Cummins 1 /Dodge/Duramax (Bosch 120 – 184/ 018/ 114/ 032/
007935095030	Adapter For Injectors Crin - Iveco/Cummins 2 (Bosch 120 – 125/070)
007935095980	Adapter For Injectors Khd/Deutz(Bosch)(Bosch 120-067)
007935095050	Adapter For Injectors Crin Renault(Bosch 120 – 003)
007935095400	Adapter For Injectors Crin -Cummins(Bosch 120 – 003)
007935095410	Adapter For Injectors Crin -Duramax(Denso 5730)
007935095420	Adapter For Injectors Crin -John Deere(Denso 0540)
007935095520	Adapter For Injectors Crin Ford 6.4 Powerstroke(Siemens 8C3Z-9E527-A)
007935095045	Adapter For Injectors Crin- Man 2 Nr Wtryskiwaczy 0445120030, 0445120218, 0445120100)
007935095035	Adapter For Injectors Crin Khd/Deutz(Bosch 120 - 065)
007935095430	Adapter For Injectors Crin -Bosch Mtu (Bosch 920189903(3894783
007935095530	Adapter For Injectors Crin- Denso (0800 05C0064)
007935095540	Adapter For Injectors Crin-L' Orange(L'Oranz 934759 (Vt0g266W48B)
007935095550	Adapter For Injectors Crin Iveco(Bosch 120 - 054)
007935095040	Adapter DS2 és CRU2-hez Crin - MAN 1 Injektor sz. (0445120044, 0445120053, 0445120045)
007935095560	Adapter For Injectors Crin-Iveco(Bosch 120 - 157)
007935100100	Adapter For Injectors Crin Uip.01/02/03



Tools for injectors repair

Pliers Kit Inox Anti-Magnetic

007950010150



Hexagonal Wrench Iveco Daily

007950010730



Kit Of 4 Hexagonal Wrenches For
Injector Nozzels - 14Mm, 15Mm, 17Mm,
19Mm

007950010770



Complete Tool Kit To Repair Bosch
Nozzleholder Cri + Crin

007950010210



Universal Retaining Clamp With
Adjustable Diameter

007950010750



Tool Kit To Repair Common Rail
Nozzleholders Bosch "Crin"

007950010220



Storage Box For Injectors

007950010240



Tool Kit To Repair Common Rail
Nozzleholders Bosch "Cri"

007950010230



Comparator Bearing With 2 Fixing Part
For Common Rail Nozzleholders (17
And 19Mm) With Digital Millesimal
Comparator

007950010310



Injector Coil Wrench Diameter 30 Mm

007950010720



SIMILAR TO 0.986.610.130 - Special vice for
dismounting the common rail injectors-
universal (0986.613.400)

007950010630

Special vise for dismounting as
recommended by injector, nuts,
spray manufacturers.
Complete set of angle discs
and bushings needed at mounting
an injector and electronic comparator
used for measuring injector elements.



Adapter With Guide Pin
For Simens Injectors

007950010820



3 Pin Adapter For Dismounting Internal
Cap-Oring (Denso)

007950010840



Ultrasound Cleaning Unit 42Khz/1.5 L
iPSC - spray chamber

007935095210



Pin X Ac0508-00

007950030005



Kit Composed By 6 Hexagonal OpenWrenches
With Dinamometric Connection Of 1/2".
The 1/2 Hexagon Shaped Wrench Allows The
Employment With Bosch System „Cri & Crin".
Wrench Dimension: 15, 17, 19, 27

007950010320



3 Pin Adapter For Dismounting Internal
Cap-Oring (Delphi)

007950010790



Adapter For Dismounting Internal
Cap-Oring Bosch, Hexagonal 10Mm
Opening 7,5 Mm

007950010800



Wrench X Internal Ring Nut Denso

007950030025



Fiber Ring Positioning Tool
(X Cri Injector)

007950011450



Testing Adapter For Ball Seat Testing

007950010340



Device For Dismounting Fiber Oring

007950010670



Tool Kit For Lapping The Common Rail
Injectors Spherical Seat

007950010100



Positiong Kit For Fiber Sealer

007950010680



Injector Coil Wrench Diameter 29 Mm

007950010710



Abrasive Paste To Polish The Holding
Ball Valve

007950010380



Tool To Dismount And Mount Common Rail Nozzleholders And Unit-Injectors.

007950010250



Power Spring X Vw Common Rail
(Use With 007950010250)

007950011595



Force Pick Up With
Digital Force Indicator

007950010260



Unit-Injector Plate

007950010270



Test Adaptors To Check The Injector
Balancing Of Eui Volkswagen

007950011560



Test Adaptors To Check The Injector
Balancing Of Eui Volkswagen

007950011570



Test Adaptors To Check The Injector
Balancing Of Eui Audi

007950011580



Test Adaptors To Check The Injector
Balancing Of Eui Audi

007935063350



Kit Of Tools For Denso Injector Seat
Resurfacing D.17-19 Mm

007935063360



Working Station Manufactured For
Repairing All Kind Of Nozzle Holders

007950011550



Set For Manual Diagnosis Of Diesel High
Pressure 2500 Bar

007935095600



A pneumatic gun for use
with DPF cleaning system. For use
with cleaning liquid (007935019070)
and rinsing liquid (007935019080)

007935019090



DPF FLUSH 5 LT

007935019070



DPF RINSE 5 LT

007935019080



Spare parts for injector repair

PHASE 3 Shims kit composed by:

- A) Hex 22 - hole 18; Thickness: 0,954 - 1,046 (24 measures) Cut: 0,0004 - 240 pieces
- B) Hex 22 - hole 19; Thickness: 1,24 - 1,35 (12 measures) Cut: 0,01 - 120 pieces
- C) Diam. 22,8 - hole 19,50; Thickness: 1,516 - 1,656 (36 measures) Cut: 0,0004 - 360 pieces
- D) Diam. 7,70 - hole 4,40; Thickness: 1,005 - 1,115 (12 measures) Cut: 0,010 - 120 pieces
- E) Diam. 4,20 - hole 2,30; Thickness: 1,04 - 1,26 (12 measures) Cut: 0,02 - 120 pieces

007950011605



PHASE 3 Shims kit composed by: -

- A) Hex 22 - hole 18; Thickness: 0,90 - 1,13 (24 measures) Cut: 0,01 - 240 pieces
- B) Hex 22 - hole 19; Thickness: 1,00 - 1,11 (12 measures) Cut: 0,01 - 120 pieces
- C) Diam. 22,8 - hole 19,50; Thickness: 1,30 - 1,76 (24 measures) Cut: 0,02 - 240 pieces
- D) Diam. 7,70 - hole 4,40; Thickness: 1,00 - 1,22 (12 measures) Cut: 0,02 - 120 pieces
- E) Diam. 4,20 - hole 2,30; Thickness: 1,20 - 1,66 (24 measures) Cut: 0,02 - 240 pieces

007950011610



PHASE 3 Shims tool kit composed by: -

- A) Diam. 15,70 - hole 10,50; Thickness: 1,194 - 1,286 (24 measures) Cut: 0,004 - 240 pieces
- B) Diam. 5,30 - hole 3,50; Thickness: 1,10 - 1,80 (36 measures) Cut: 0,02 - 360 pieces
- C) Diam. 2,30; Thickness: 1,02 - 1,25 (24 measures) Cut: 0,01 - 240 pieces
- D) Thickness: 8,409 - 8,541 (12 measures) Cut: 0,012 - 120 pieces

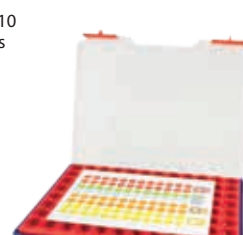
007950011615



PHASE 3 Shims tool kit composed by: -

- A) Diam. 15,70 - hole 10,50; Thickness: 1,10 - 1,33 (24 measures) Cut: 0,01 - 240 pieces
- B) Diam. 5,30 - hole 3,50; Thickness: 1,10 - 1,80 (36 measures) Cut: 0,02 - 360 pieces
- C) Diam. 2,30; Thickness: 1,02 - 1,25 (24 measures) Cut: 0,01 - 240 pieces
- D) Thickness: 8,409 - 8,541 (12 measures) Cut: 0,012 - 120 pieces

007950011620



Calibration Thickness Kit: Diam. 9,00 - Hole 3,50
Thickness: 0,78 - 1,25 - Cut 0,01 - 48 Measure - 480 Pieces

007950011625



Calibration Thickness Kit:
Diam. 7,70 - Hole 4,40
Thickness: 0,985 - 1,385
- Cut 0,01 - 41 Measure - 410 Pieces

007950011630



Calibration Thickness Kit: Diam. 6,40 - Hole 2,50 Thickness: 1,20 - 1,30 - Cut 0,01 -11 Measure - 110 Pieces

007950011635



Calibration Thickness Kit: Diam. 5,10 - Hole 3,00 Thickness: 1,00 - 1,70 - Cut 0,02 -36 Measure - 360 Pieces

007950011710



Calibration Thickness Kit: Diam. 6,40 - Hole 2,50 Thickness: 1,00 - 1,40 - Cut 0,01 -41 Measure - 410 Pieces

007950011640



Calibration Thickness Kit: Diam. 4,50 - Hole 2,50 Thickness: 1,20 - 1,90 - Cut 0,02 -36 Measure - 360 Pieces

007950011715



Calibration Thickness Kit: Diam. 6,40 - Hole 2,50 Thickness: 1,089 - 1,368 - Cut 0,009 -32 Measure - 320 Pieces

007950011645



Calibration Thickness Kit: Diam. 4,20 - Hole 2,30 Thickness: 1,15 - 2,30 - Cut 0,05 -24 Measure - 240 Pieces

007950011720



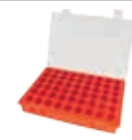
Calibration Thickness Kit: Diam. 5,30 - Hole 3,50 Thickness: 0,90 - 1,90 - Cut 0,05 -21 Measure - 210 Pieces

007950011675



Calibration Thickness Kit: Diam. 4,20 - Hole 2,30 Thickness: 0,80 - 1,64 - Cut 0,02 -43 Measure - 430 Pieces

007950011725



Calibration Thickness Kit: Diam. 5,30 - Hole 3,50 Thickness: 1,20 - 2,30 - Cut 0,10 -12 Measure - 120 Pieces

007950011680



Calibration Thickness Kit: Diam. 4,00 - Hole 2,30 Thickness: 1,15 - 2,30 - Cut 0,05 -24 Measure - 240 Pieces

007950011730



Calibration Thickness Kit: Diam. 5,30 - Hole 3,50 Thickness: 1,20 - 2,30 - Cut 0,05 -23 Measure - 230 Pieces

007950011685



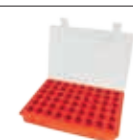
Calibration Thickness Kit: Diam. 4,00 - Hole 2,30 Thickness: 1,20 - 1,90 - Cut 0,02 -24 Measure - 240 Pieces

007950011735



Calibration Thickness Kit: Diam. 5,30 - Hole 3,50 Thickness: 1,0 - 2,00 - Cut 0,02 -51 Measure - 510 Pieces

007950011690



Solenoid Washers Kit: Diam. 23,70 - Hole 19,00 Thickness: 0,86 - 1,24 - Cut 0,004 -96 Measure - 960 Pieces

007950011765



Calibration Thickness Kit: Diam. 5,10 - Hole 3,00 Thickness: 1,20 - 1,60 - Cut 0,02 -21 Measure - 210 Pieces

007950011695



Solenoid Washers Kit: Diam. 22,80 - Hole 19,50 Thickness: 1,30 - 1,80 - Cut 0,01 -51 Measure - 510 Pieces

007950011770



Calibration Thickness Kit: Diam. 5,10 - Hole 3,00 Thickness: 1,15 - 2,30 - Cut 0,05 -24 Measure - 240 Pieces

007950011700



Solenoid Washers Kit: Diam. 22,80 - Hole 19,50 Thickness: 1,512 - 1,684 - Cut 0,004 -44 Measure - 440 Pieces

007950011775



Calibration Thickness Kit: Diam. 5,10 - Hole 3,00 Thickness: 1,00 - 2,00 - Cut 0,02 -51 Measure - 510 Pieces

007950011705



Solenoid Washers Kit: Diam. 22,00 - Hole 19,00 Thickness: 0,90 - 1,40 - Cut 0,01 -51 Measure - 510 Pieces

007950011780



Bosch Coil Gasket Set - Diameter : 23,70 Mm.
Opening: 19,00 Mm. Thickness: 0,90 – 1,00 Mm. (11
Dimensions) Tolerance: Every 0.01 Mm. Box: 10 Pcs

007950011110



Bosch Hex Coil Gasket Set - Diameter : 22,00 Mm.
Opening: 18,00 Mm. Thickness: 1,00 – 1,10 Mm. (11
Dimensions) Tolerance: Every 0.01 Mm. Box: 10 Pcs
X Thickness All: 110 Pcs

007950011190



Bosch Coil Gasket Set - Diameter : 23,70 Mm.
Opening: 19,00 Mm. Thickness: 1,10 – 1,20 Mm. (11
Dimensions) Tolerance: Every 0.01 Mm. Box: 10 Pcs

007950011120



Bosch Hex Coil Gasket Set - Diameter : 22,00 Mm.
Opening: 18,00 Mm. Thickness: 0,90 – 1,00 Mm. (11
Dimensions) Tolerance: Every 0.01 Mm. Box: 10 Pcs
X Thickness All: 110 Pcs

007950011200



Bosch Hex Coil Gasket Set - Diameter : 22,00 Mm.
Opening: 19,00 Mm. Thickness: 0,90 – 1,00 Mm. (11
Dimensions) Tolerance: Every 0.01 Mm. Box: 10 Pcs
X Thickness All: 110 Pcs

007950011170



Bosch Coil Gasket Set - Diameter : 22,80 Mm.
Opening: 19,50 Mm. Thickness: 1,34 – 1,76 Mm. (22
Dimensions) Tolerance: Every 0.02 Mm. Box: 10 Pcs
X Thickness All: 220 Pcs

007950011130



Solenoid Washers Kit: Diam. 22,00 - Hole
19,00 Thickness: 1,21 - 1,38 - Cut 0,01 - 18
Measure - 180 Pieces

007950011785



Solenoid Washers Kit: Diam. 15,70 - Hole
10,50 Thickness: 1,19 - 1,33 - Cut 0,004 -
36 Measure - 360 Pieces

007950011740



Solenoid Washers Kit: Diam. 22,00 - Hole 19,00
Thickness: 0,90 - 1,12 - Cut 0,01 - 23 Measure - 230
Pieces

007950011790



Bosch Coil Gasket Set - Diameter : 15,70 Mm.
Opening: 10,50 Mm. Thickness: 1,10 – 1,20 Mm. (11
Dimensions) Tolerance: Every 0.01 Mm. Box: 10 Pcs
X Thickness All: 110 Pcs

007950011100



Solenoid Washers Kit: Diam. 22,00 - Hole 18,00
Thickness: 0,950 - 1,054 - Cut 0,004 - 27 Measure
- 270 Pieces

007950011795



Kit Of Pointers Diam: 5,90 Thickness
8,40 - 8,70 - Cut 0,01 - 3
Measure - 310 Pieces

007950011805



Kit Of Circular Washers. The Kit Is Composed Of 110
Items. The Range Of Thickness Is From 1,00Mm To
1,10Mm. Att: Thickness Each 0.01Mm!

007950010550



Kit Of Pointers Diam: 5,90 Thickness 8,277 - 8,571 -
Cut 0,012 - 26 Measure - 260 Pieces

007950011810



Kit Of Hexagonal Washers. The Kit Is Composed Of
110 Items. The Range Of Thickness Is From 1,00Mm
To 1,10Mm. Att: Thickness Each 0.01Mm!

007950010540



Kit Of Pointers Diam: 5,80 Thickness 8,277 - 8,571 -
Cut 0,012 - 26 Measure - 260 Pieces

007950011815



Bosch Hex Coil Gasket Set - Diameter : 22,00 Mm.
Opening: 19,00 Mm. Thickness: 1,30 – 1,40 Mm. (11
Dimensions) Tolerance: Every 0.01 Mm. Box: 10 Pcs
X Thickness All: 110 Pcs

007950011180



Kit Of Pointers Manufactured Utilizing A Suitable
Horizontal Flat. The Kit Is Composed Of 110
Items. The Range Of Thickness Is From 8,40Mm To
8,50Mm. Att: Thickness Each 0.01Mm!

007950010510



Calibration Spacers Set - Valve And Ball Seat
Distance For Bosch Diameter: 5,80 Mm. Thickness:
8,40 – 8,50 Mm. (11 Dimensions) Tolerance: Co 0.01
Mm. Box: 10 Pcs X Thickness All: 110 Pcs

007950011230



Kit Of Pointers Manufactured Utilizing A Suitable
Horizontal Flat. The Kit Is Composed Of 110 Items.
The Range Of Thickness Is From 8,40Mm
To 8,50Mm. Att: Thickness Each 0.01Mm!

007950010570



Calibration Spacers Set - Valve And Ball Seat
Distance For Bosch diameter: 5,80 Mm.

007950011240



Kit Of Pointers Diam: 2,30 Thickness: 1,00 - 1,36 -
Cut 0,01 -37 Measure -370 Pieces

007950011830



Kit of shims to modify the quantity of fuel on the
common rail injectors Fase 2. Diam: 2.25 mm
Thickness: 1.14 - 1.25 mm (12 measure)
Cut: each 0.01 mm, Box: 10 items x thickness
Total: 120 items

007950010600



Kit of shims to modify the quantity of fuel on the
common rail injectors Fase 2.
Diam: 2.25 mm, Thickness: 0.95 - 1.13 mm (19
measure), Cut: each 0.01 mm
Box: 10 items x thickness, Total: 190 items

007950011280



Calibration Spacers Set - Valve And Ball Seat
Distance For Bosch Diameter: 2,30 Mm. Thickness:
0,90 – 1,01 Mm. (12 Dimensions) Tolerance: Co 0.01
Mm. Box: 10 Pcs X
Thickness All: 1

007950011290



Calibration Spacers Set - Valve And Ball Seat
Distance For Bosch Diameter: 2,30 Mm. T

007950011300



Tool Kit Of Balancing Spacers. With 5 Diameters (1,5-
11-10-9-7,5 Mm) And 3 Spacers
(0,05-0,1-0,2 Mm), Tot. N. 15 Tools

007950010440



Tool Kit Of Balancing Spacers Diam. 9.80Mm.
With Spacers From 1,00 To 1,95 Mm.
One Every 0,05 Mm; Tot. N. 400 Tools

007950010450



Tool Kit Of Balancing Spacers Diam. 11.4Mm.
With Spacers From 0,80 A 1,95 Mm.
One Every 0,05 Mm; Tot. N. 480 Tools

007950010460



Tool Kit Of Balancing Spacers Diam. 7.35 Mm. With
Spacers From 0,80 To 1,95 Mm. One Every 0,05 Mm;
Tot. N. 480 Tools

007950010470



Tool Kit Of Balancing Spacers Diam. 9.40Mm.
With Spacers From 0,80 To 1,95 Mm.
One Every 0,05 Mm; Tot. N. 480 Tools

007950010480



Tool Kit Of Balancing Spacers
Diam. 8.50Mm. With Spacers
From 0,80 To 1,95 Mm.
One Every 0,05 Mm; Tot. N. 480 Tools

007950010490



Tool Kit Of Balancing Spacers Diam. 6.85Mmm.
With Spacers From 1 To 1,95 Mm. One
Every 0,05 Mm; Tot. N. 480 Tools

007950010500



Bosch Gasket Set - Diameter : 6,40 Mm. Opening:
2,50 Mm. Thickness: 1,20 – 1,30 Mm. (11
Dimensions) Tolerance: Every 0.01 Mm. Box: 10 Pcs X
Thickness All : 110 Pcs

007950010920



Bosch Gasket Set - Diameter : 7,70 Mm.
Opening: 4,40 Mm. Thickness: 0,98 –
1,44 Mm. (24 Rozmiary) Tolerance:
Every 0.02 Mm. Box: 10 pcs uk X
Thickness All: 240 Pcs

007950010930



Bosch Gasket Set Diameter : 5.300 Mm.
Hole 3.50 Mm. Thickness : 0.90 – 1.90 Mm.
(21 Sizes Tolerance every 0.05 Mm.
Box : 10 Pcs X Thickness, In total : 210 Pcs

007950010940



Bosch Gasket Set Diameter : 5.300 Mm.
Hole 3.50 Mm. Thickness : 1.20 - 1.70 Mm.
(24 Sizes Tolerance every 0.02 Mm.
Box : 10 Pcs X Thickness, In total : 240 Pcs
No Dimensions 1.22 And 1.68Mm

007950010520



Kit of common rail calibration thickness.
Diam: 5.30 mm. Hole: 3.50 mm
Thickness: 1.20 - 1.70 mm (11 measures)
Cut: each 0.05 mm. Box: 10 items x thickness
Total: 110 items

007950010950



Bosch Gasket Set Diameter : 5.300 Mm.
Hole 3.50 Mm. Thickness : 1.40 – 1.86 Mm.
(24 Sizes Tolerance every 0.02 Mm.
Box: 10 Pcs X Thickness, In total : 240 Pcs

007950010960



Kit Of Common Rail Calibration Thickness.
The Kit Is Composed Of 240 Items, Diameter
5,30Mm, Hole 2,40Mm. The Range Of
Thickness Is From 1,20Mm To 1,70Mm.
Att: Thickness Each 0.02Mm!

007950010590



Bosch Gasket Set Diameter: 5.300 Mm. Hole 2.40
Mm. Thickness: 1.72 – 1.90 Mm. (10 Sizes Tolerance
every 0.02 Mm. Box: 10 Pcs X Thickness,
In total : 100 Pcs

007950010970



Kit of common rail calibration thickness.
Diam: 5.10 mm Hole: 3.00 mm. Thickness: 1.60 - 1.86
mm (14 measures) Cut: each 0.02 mm
Box: 10 items x thickness. Total: 140 item

007950010980



Kit of common rail calibration thickness.
Diam: 5.10 mm. Hole: 3.00 mm
Thickness: 1.00 - 1.20 mm (11 measures)
Cut: each 0.02 mm. Box: 10 items x thickness
Total: 110 items

007950010990



Bosch Gasket Set Diameter : 4.50 Mm. Hole : 2.50
Mm. Thickness : 1.20 – 1.70 Mm. (24 Sizes Tolerance:
every 0.02 Mm. Box : 10 Pcs X Thickness, In total : 240
Pcs No Dimensions 1.22 And 1.68Mm

007950010560



Bosch Gasket Set - Diameter : 4,50 Mm. Opening:
2,50 Mm. Thickness: 1,20 – 1,70 Mm. (11 Dimensions)
Tolerance: Every 0.05 Mm. Box: 10 Pcs X Thickness All:
110 Pcs

007950011010



Kit of common rail calibration thickness.
Diam: 4.50 mm, Hole: 2.50 mm
Thickness: 1.64 - 1.86 mm (12 measures)
Cut: each 0.02 mm, Box: 10 items x thickness
Total: 120 items

007950011020



Kit of common rail calibration thickness.
Diam: 4.20 mm. Hole: 2.30 mm
Thickness: 1.20 - 1.70 mm (24 measures)
without 1.22 and 1.68 mm. Cut: each 0.02 mm
Box: 10 items x thickness. Total: 240 items

007950010580



Bosch Gasket Set Diameter: 4.20 Mm. Hole : 2.30
Mm. Thickness: 1.20 – 1.70 Mm. (11 Sizes Tolerance:
every 0.05 Mm. Box: 10 Pcs X Thickness,
In total: 110 Pcs

007950011030



Bosch Gasket Set - Diameter : 4,20 Mm. Opening:
2,30 Mm. Thickness: 1,70 – 1,96 Mm. (14 Dimensions)
Tolerance: Every 0.02 Mm.
Box: 10 Pcs X Thickness All: 140 Pcs

007950011040



Kit of common rail calibration thickness.
Diam: 4,00 mm. Hole: 2,30 mm
Thickness: 1,20 - 1,70 mm (24 measures)
without 1,22 and 1,68. Cut: each 0,02 mm
Box: 10 items x thickness. Total: 240 items

007950011050



Kit Of Pointers Diam: 5,40 Thickness: 1,155 - 1,265 -
Cut 0,01 -12 Measure -120 Pieces

007950011840



Bosch Gasket Set - Diameter : 4,00 Mm. Opening:
2,30 Mm. Thickness: 1,72 - 1,90 Mm. (10
Dimensions) Tolerance: Every 0.02 Mm. Box: 10 Pcs X
ThicknessAll: 100 Pcs

007950011060



Kit Of Pointers Diam: 10,00 Thickness: 2,00 - 2,50 -
Cut 0,05 -11 Measure -110 Pieces

007950011835



Kit Of 20 Washers And 50 Balls

007950010610



Kit Of Thickness For Injector PumpDiam: 9,20
Thickness: 1,00+1,01 - 1,45 - Cut 0,02 -24 Measure
-240 Pieces

007950011845



Splint Holding Valve Spring - Bosch

007950011310



Kit Of Thickness For Injector PumpDiam: 7,30
Thickness: 1,00+1,01 - 1,45 - Cut 0,02 -24 Measure
-240 Pieces

007950011850



Splint For Return - Bosch

007950011320



Kit Of Thickness For Injector Pump Diam: 5,50
Thickness: 1,00+1,01 - 1,45 - Cut 0,02 -24 Measure
-240 Pieces

007950011860



Set - 50 Balls, Size 1,34Mm

007950010350



Kit Of Caps X Injector Pump Thickness: 14,66 - 14,88
- Cut 0,02 - 12 Measure - 60 Pieces

007950011880



Kit Of Caps X Injector Pump Thickness: 14,56 - 14,78
- Cut 0,02 - 12 Measure -

007950011885



Set - 50 Balls (Original Bosch)

007950010360



Kit Of Caps X Injector Pump Thickness: 14,80 - 15,10
- Cut 0,02 - 16 Measure -80 Pieces

007950011890



Cooper washers kit composed of 19 different
types of washers (50 pieces for each washers)
and back leak connection 1 and 2 ways.

007950010370



Kit Of Caps X Injector Pump Thickness: 9,40 - 9,60 -
Cut 0,02 - 11 Measure -55 Pieces

007950011895



Spare parts for Denso injector repair

Denso Octagonal Coil Gasket Set - Diameter : 23,20 Mm. Opening: 20,00 Mm. Thickness: 2,99 – 3,10 Mm. (12 Dimensions) Tolerance: Every 0.01 Mm. Box: 10 Pcs X Thickness All: 120 Pcs

007950011220



Denso Gasket Set - Diameter : 6,75 Mm. Opening: 3,50 Mm. Thickness: 1,75 – 2,30 Mm. (12 Dimensions) Tolerance: Every 0.05 Mm. Box: 10 Pcs X Thickness All: 120 Pcs

007950011090



Denso Coil Gasket Set - Diameter : 24,30 Mm. Opening: 21,50 Mm. Thickness: 1,50 – 1,72 Mm. (12 Dimensions) Tolerance: Every 0.02 Mm. Box: 10 Pcs X Thickness All: 120 Pcs

007950011150



Denso Coil Gasket Set - Diameter : 24,30 Mm. Opening: 21,50 Mm. Thickness: 1,50 – 1,72 Mm. (23 Dimensions) Tolerance: Every 0.01 Mm. Box: 10 Pcs X Thickness All: 230 Pcs

007950011160



Calibration Thickness Kit: Diam. 5,80 - Hole 3,00 Thickness: 1,10 - 1,65 - Cut 0,05 -12 Measure - 120 Pieces

007950011650



Calibration Thickness Kit: Diam. 5,80 - Hole 3,00 Thickness: 1,10 - 1,60 - Cut 0,02 -26 Measure - 260 Pieces

007950011655



Calibration Thickness Kit: Diam. 5,80 - Hole 3,00 Thickness: 1,75 - 2,30 - Cut 0,05 -12 Measure - 120 Pieces

007950011660



Calibration Thickness Kit: Diam. 5,80 - Hole 3,00 Thickness: 1,60 - 2,30 - Cut 0,02 -36 Measure - 360 Pieces

007950011665



Solenoid Washers Kit: Diam. 24,30 - Hole 21,50 Thickness: 1,20 - 1,74 - Cut 0,02 -28 Measure - 280 Pieces

007950011745



Solenoid Washers Kit: Diam. 24,30 - Hole 21,50 Thickness: 1,20 - 1,73 - Cut 0,01 -56 Measure - 560 Pieces

007950011750



Solenoid Washers Kit: Diam. 24,30 - Hole 21,50 Thickness: 1,435 - 1,70 - Cut 0,05 -54 Measure - 540 Pieces

007950011755



Solenoid Washers Kit: Oct . 23,20 - Hole 20,00 Thickness: 2,99 - 3,15 - Cut 0,01 -17 Measure -170 Pieces

007950011800



Denso O'Ring (10 Pc) Under Solenoid

007950030070



O'Ring (10 Pc) Up Solenoid

007950030075



Denso O'Ring (10 Pc) Under Solenoid

007950030080



Denso O'Ring Diam. 17X2Mm

007950030085



Denso O'Ring Diam. 15X2,3Mm

007950030090



Denso Nut: 095000-0530

007950030490



Denso Kit O'Ring
(Bk0052-02+Bk0052-04)

007950030095



Denso Nut: 095000-7890 - 095000-5031 -
095000-5780

007950030495



Denso Kit O'Ring
(Bk0052-02+Bk0052-03)

007950030100



Denso Nut: 095000-5080 -
095000-6130

007950030500



Denso O'Ring (10 Pc) Under Solenoid

007950030125



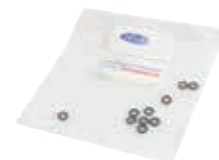
Denso Nut X Injector Piezo

007950030505



Denso O'Ring Up Injector (10 Pc)

007950030130



Denso Pin Plunger For: 095000-580°

007950030350



Denso Nut: 095000-5600 - 095000-5760 -
095000-5130 - 095000-6020 - 095000-580
- 095000-602

007950030475



Denso Pin Plunger For: 095000-764 -
095000-728# - 095000-691# - 095000-604#
- 095000-623# - 095000-770# - 095000-771#
- 095000-673# - 095000-753# - 095000-769#
- 095000-733# - 095000-668# - 095000-697#
- 095000-761# - 095000-725# - 095000-690#
- 095000-5

007950030355



Denso Nut: 095000-5610 - 095000-6760
- 095000-6680 - 095000-7761 - 095000-
7781

007950030480



Denso Pin Plunger: 095000-576

007950030360



Denso Nut: 095000-0570

007950030485



Denso Pin Plunger: 095000-503,
095000-785

007950030365



Denso Pin Plunger : 095000-778# - 095000-741# - 095000-676# - 095000-703# - 095000-776# - 095000-739# - 095000-552# - 095000-593# - 095000-829# - 095000-592# -

007950030370



Denso Pin Plunger: 095000-551, 095000-665

007950030410



Denso Pin Plunger: 095000-547, 095000-890, 095000-636

007950030375



Denso Pin Plunger: 095000-801

007950030415



Denso Pin Plunger: 095000-613

007950030380



Denso Pin Plunger
095000-652

007950030420



Denso Pin Plunger: 095000-602

007950030385



Denso Pin Plunger: 095000-583

007950030425



Denso Pin Plunger: 095000-789

007950030390



Denso Pin Plunger: 295050-001

007950030430



Denso Pin Plunger: 095000-508

007950030395



Denso Pin Plunger: 095000-622

007950030435



Denso Pin Plunger: 095000-560

007950030400



Denso Pin Plunger: 095000-810

007950030440



Denso Pin Plunger: 095000-578

007950030405



Denso Pin Plunger: 095000-521

007950030445



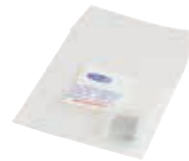
Denso Pin Plunger: 095000-625 -
095000-565

007950030450



Denso Valve For: 095000-503#
- 095000-785# - 095000-789#
- 095000-679# - 095000-522# -
095000-635# - 095000-659#

007950030265



Denso Pin Plunger: 095000-679

007950030455



Denso Valve For: 095000-778# - 095000-741#
- 095000-676# - 095000-703# - 095000-776#
- 095000-739# - 095000-552# - 095000-593# -
095000-829# - 095000-592#

007950030270



Denso Pin Plunger: 095000-522

007950030460



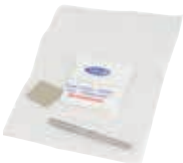
Denso Valve For: 095000-547# - 095000-
551# - 095000-890# - 095000-665#

007950030275



Denso Pin Plunger: 095000-635 -
095000-659

007950030465



Denso Valve For: 295050-001#

007950030280



Denso Pin Plunger: 095000-513 -
095000-518

007950030470



Denso Valve For: 095000-602# - 095000-
652# - 095000-583# - 095000-513#
- 095000-518#

007950030285



Denso Valve For: 095000-580#

007950030250



Denso Valve For: 095000-767# - 095000-
731# - 095000-641# - 095000-696#

007950030290



Denso Valve For: 095000-764#
- 095000-728# - 095000-691# -
095000-604# - 095000-623#

007950030255



Denso Valve For: 095000-625# - 095000-
565#

007950030295



Denso Valve For: 095000-576#

007950030260



Denso Valve For: 095000-636#

007950030300



Denso Valve For: 095000-521

007950030305



Denso Valve For: 095000-508

007950030345



Denso Valve For : 095000-801 - 095000-810

007950030310



Denso Pin Diam. 2,5 Mm-
Lenght: 8,70 Mm

007950030105



Denso Valve For: 095000-622

007950030315



Denso Pin Diam. 1,80 Mm
Lenght: 6 Mm

007950030110



Denso Valve For: 095000-578

007950030320



Denso Pin Diam. 2 Mm-
Lenght: 6,8 Mm

007950030115



Denso Valve For: 095000-613

007950030325



Denso Pin Diam. 1,80 Mm-
Lenght: 14 Mm

007950030120



Denso Valve For: 095000-759 - 095000-
733 - 095000-668 - 095000-697

007950030330



Denso Spring Diam. 3,7 Mm -
Lenght: 18,80 Mm

007950030135



Denso Valve For 095000-560

007950030335



Denso Spring Diam. 5,50 Mm -
Lenght: 13 Mm

007950030140



Denso Valve For 095000-761 - 095000-
725 - 095000-690 - 095000-561 -
095000-611

007950030340



Denso Spring Diam. 6,50 Mm -
Lenght: 15,30 Mm

007950030145



Denso Semi-Sphere
007950030150



Denso Copper Heat Schield
11176-30010
007950030190



Denso - Shutter With Sphere
007950030155



Denso Copper Heat Schield 11176-26030
007950030195



Denso Ring Nut
007950030160



Denso Copper Heat Schield
11176-26020
007950030200



Denso Guide Bush
007950030165



Denso Washer Under Nut
007950030205



Denso Plastic Bush 23256-27010
007950030170



Denso Valve
007950030210



Denso Plastic Bush 23256-27020
007950030175



Denso Valve
007950030215



Denso Plastic Bush 23256-30010
007950030180



Denso Double Valve
007950030220



Denso Copper Heat Schield
11176-30011
007950030185



Denso Joint 2 Way
007950030225



Denso Joint 3 Way
007950030230



Denso Joint
007950030235



Denso Kit Composed By Bk0052-
33+27+32+01+12
007950030240



Spare parts for Siemens injector repair

A Set Of Calibration Shims Siemens HeX 18 ,
hole 14,5 thickness from 9 to 1,132 gradation
0,004

007950030880



Siemens Hex Coil Gasket Set -
Diameter : 18,00 Mm.

007950011210



A Set Of Calibration Shims Siemens:
Diameter 5.70 - 3.00 Hole Thickness: 1.20 -
1.90 - 0.02 Tolerance -36 Sizes - 360 Pieces

007950011670



Siemens Gasket Set - Diameter : 5,70 Mm.
Opening: 3,00 Mm. Thickness: 1,25 - 1,80 Mm. (12
Dimensions) Tolerance: Every 0.05 Mm. Box: 10
Pcs X Thickness All: 120 Pcs

007950011070



Siemens Gasket Set - Diameter : 5,70 Mm.
Opening: 3,00 Mm. Thickness: 1,26 - 1,72 Mm.
(24 Dimensions) Tolerance: Every 0.02 Mm. Box:
10 Pcs X Thickness All: 240 Pcs

007950011080



Siemens Coil Gasket Set - Diameter : 20,00 Mm.
Opening: 13,70 Mm. Thickness: 0,80 - 1,20 Mm.
(21 Dimensions) Tolerance: Every 0.02 Mm. Box:
10 Pcs X Thickness
All: 210 Pcs

007950011140



Calibration Spacers Set - Valve And Ball Seat
Distance For Siemens Thickness: 7,76 -
8,18 Mm. (22 Dimensions) Tolerance:
Co 0.02 Mm. Box: 10 Pcs X Thickness
All: 220 Pcs

007950011270



Spare parts for Delphi injector repair

Kit Of Pointers Thickness: 3,80 - 4,90 - Cut 0,10 - 12 Measure - 120 Pieces

007950011820



Kit Of Thickness For Injector Pump
Diam: 7,50 - Hole 3,00 Thickness:
0,30+0,42-0,58 - Cut 0,02 - 10 Measure
- 100 Pieces

007950011870



Kit Of Pointers Thickness: 3,75 - 4,90 - Cut 0,05 - 24 Measure - 240 Pieces

007950011825



Kit Of Thickness For Injector Pump
Diam: 5,00 - Hole 2,50 Thickness: 0,502
- 0,995 - Cut 0,017 - 30 Measure - 300
Pieces

007950011875



Calibration Spacers Set - Valve And Ball Seat
Distance For Delphi

007950011250



Denso Plastic Bush 23256-27010

007950030170



Calibration Spacers Set - Valve And Ball Seat
Distance For Delphi

007950011260



Denso Plastic Bush 23256-27020

007950030175



Kit Of Thickness For Injector Pump
Diam: 5,80 Thickness: 2,24 - 2,94 - Cut
0,02 - 36 Measure - 360 Pieces

007950011855



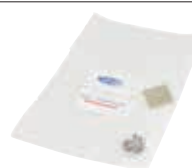
Denso Plastic Bush 23256-30010

007950030180



Denso - Shutter With Sphere

007950030155



Denso Copper Heat Shield
11176-30011

007950030185





WHEEL ALIGNMENT AND TYRE SERVICE



C 880 Wheel alignment 3D

The equipment includes:
1 Beam inclusive of 2 cameras
(fixed position, different heights possible)

007960009905

C 880 - the equipment includes:

- ▶ 2 digital cameras (fixed location, facility to change the vertical position)
- ▶ Column
- ▶ Table for a keyboard and a printer
- ▶ PC cabinet
- ▶ 2 front discs + holders 11"-21"
(+ adapter-extension to 25", with double profiled claws)
- ▶ 2 front discs + holders 11"-21"
(+ adapter-extension to 25", with double profiled claws)
- ▶ 1 set of wall brackets for hanging discs and holders
- ▶ 2 wall mounting sets for a wall bracket
- ▶ Brake lock
- ▶ Steering lock
- ▶ 2 mechanized turntables with plastic locks for the roll-over control function
- ▶ CD with the database and the software
- ▶ Instruction manual
- ▶ List of spare parts



Wheel alignment C880 normal version

007941000212

Wheel alignment C880 lift version

007941000211

ACCESSORIES

Motorized system for vertical camera for C880 (optional)

007960009910



Drive-on system (SW + 2 cameras) (optional) for C880

007960009915



Side trolley (single piece) for C880 (optional)

007960009920



Printer Set, Factory Pre-Set For Our Wheel Aligners

007960001250



Special computer dedicated for C800 and C880
(007960009765)

007960001230



Colour Monitor Lcd 18,5"

007960001240





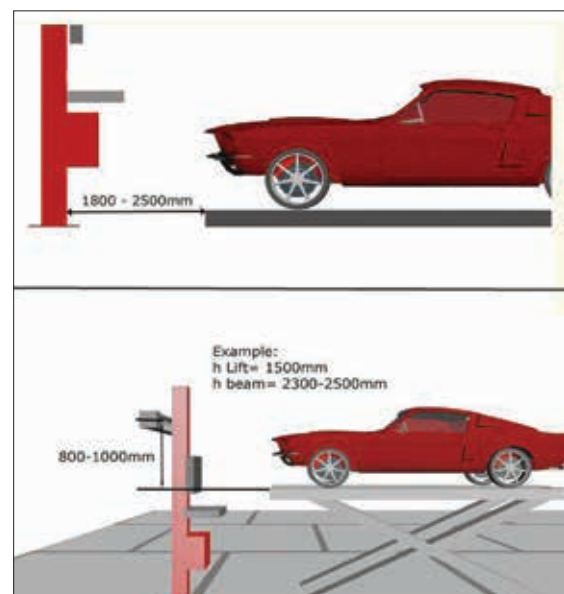
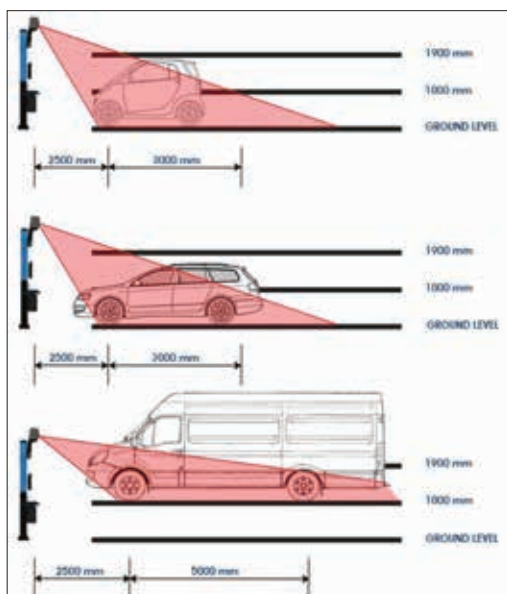
C 880 TILT
wheel alignment 3D (TILT,
2 moving electronic
cameras))
007960010020

- ▶ Column
- ▶ PC (with Windows), printer, keyboard, mouse
- ▶ Keyboard and printer
- ▶ Cabinet for PC
- ▶ Front wheels + handles 11 "-21"
- ▶ (+ extension adapter up to 25", with double profiled claws.)
- ▶ Rear plates + handles 11 "-21"
- ▶ (adapter-extension up to 25", double-sided profiled claws.)
- ▶ Set of wall brackets for suspension discs and handles
- ▶ Brake lock
- ▶ Steering wheel lock
- ▶ Mechanical rotors with plastic locks to function "compensation"
- ▶ Database and software CD
- ▶ Manual
- ▶ Spare parts list



C 880
wheel alignment 3D
(Wall-mounted version)
007960010010

- ▶ Wall mounting
- ▶ Keyboard and printer
- ▶ Cabinet for PC
- ▶ Front wheels + handles 11 "-21"
- ▶ (+ extension adapter up to 25" with double profiled claws.)
- ▶ Rear plates + handles 11 "-21"
- ▶ (+ extension adapter up to 25" with double profiled claws.)
- ▶ Wall bracket set for hanging discs and handles
- ▶ Brake lock
- ▶ Steering wheel lock
- ▶ Rotators with plastic locks for "compensation"
- ▶ Database and software CD
- ▶ Manual
- ▶ Spare parts list
- ▶ No PC, printer and LCD monitor





C 200

Wheel Aligner, With Pc, Windows Xp & Keyboard. Set Of Four 8Cmos Radio Sensors Included(Turntables, Clamps, Printer, Lcd Not Included)

007960001150



C 400

Wheel Aligner, With Pc, Windows Xp, Keyboard, Emergency Cables. Set Of Four 8Ccd Radio Sensors Included. (Turntables, Clamps, Printer, Lcd Not Included)

007960009690

Equipment:

- ▶ 8 CMOS sensors
- ▶ 4 Measuring heads + 4 power cables
- ▶ Cabinet for PC, printer, monitor and measuring heads
- ▶ PC + Windows
- ▶ Brake lock
- ▶ Steering wheel lock
- ▶ Database and software on CD
- ▶ User manual

Specification:

- ▶ 8 sensors, wireless communication
- ▶ Fully wireless communication between heads 2.4 GHz
- ▶ Each head is powered by 4 internal batteries 2600 mAh each
- ▶ Charging the batteries after placing the heads on a mobile station and connecting the charging cables
- ▶ Extensive multi-brand vehicle database (over 20,000 vehicles including latest models of European and Asian brands)
- ▶ Lightweight and robust measuring heads
- ▶ PC computer, color printer, LCD monitor, mobile cabinet for system components
- ▶ Professional software containing all necessary, functions and user guidance step by step through the measurement procedure.
- ▶ Simultaneous preview of dependent parameters on one screen
- ▶ Animations of required adjustments (optional)
- ▶ There are two ways to perform the compensation:
 - a) by raising the axle / wheels
 - b) by rolling forward by 90

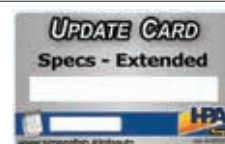
Pair Of Spoiler Adapters For Trucks

007960009730



Update For C200

007960009760



Roc Push Mode Kit (2Pcs)

007960001360



Trailer Alignment Kit

007960009740



Motorized system for vertical camera for C880(optional)

007960009910



Short Car Sliding Plates, Height 37Mm

007960001210



Drive-on system (SW + 2 cameras) (optional) for C880

007960009915



Stereeing Wheel Water Level Gauge

007960001385



Side trolley (single piece) for C880(optional)

007960009920



Cable Connection From Main Unit To Sensors, L=16M

007960009750



Printer Set, Factory Pre-Set For Our Wheel Aligners

007960001250



Drive-on System (SW + 2 cameras) for C800 (optional)

007960009785



Turntable For Steering Measurements, Height 50Mm 1PC

007960001200



Pair Of 3-Point Manual Quick Clamps From 9" To 21"

007960009610



Pair Of Std 4-Point Clamps From 10" To 21"

007960001190



Clamp trolley for C800 (1pcs) (optional)

007960009775



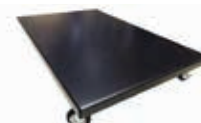
Pair Of Special 4-Point Clamps From 10" To 26"

007960001180



Mobility trolley for C880

007936341000



Pair Of Hd 4-Point Clamps From 17,5" To 25"

007960009710



Single Hd Turntable For Steering Measurements, 450X450X24Mm, Load 3.000Kg

007960009720



Set Of 12 Claws For Iveco Daily Steel Rims.

007960009600



Set Of 4 Double Profile Claws

007960001395



Complete Set For Alloy Rims

007960001390



Ttp (Truck & Trailer Procedure) Kit, Including Hd Data Bank & Guided Hd Alignment Instructions/Images

007960009700



Tyre changers

In our specially selected Marelli Magneti offer you will find a wide range of tools that will quickly improve the daily operation of any car workshop. In this category, we present to our customers a diverse selection of solutions for assembly and disassembly of tyres.



Bravo Line M 42 - Automatic Tyre Changer For Rims From 11" To 22" (Outside), 1-Speed Motor (3Ph-400V-50Hz)
007960001030

Specification:

- ▶ automatic handling of rims from 11 „to 24“
- ▶ external spacing up to 22 „
- ▶ mechanical locking of the stem
- ▶ standard hammer with a pneumatic cylinder
- ▶ one working speed of the bench
- ▶ pneumatic swing arm with a changeable cover
- ▶ set of covers for aluminium rims included
- ▶ supportive arm for unusual wheels (optional)

Technical data:

- ▶ power of the hammer: 12000 N (at 10 bar)
- ▶ opening of the hammer: 400 mm
- ▶ maximum tire diameter: 1140 mm (44.5 „)
- ▶ maximum width of the tire: 350 mm (14 „)
- ▶ pressure: 8-10 Bar
- ▶ power supply: 400V - 3Ph - 50Hz
- ▶ engine power: 0,75 kW
- ▶ bench speed: 6 rpm
- ▶ weight: 223 kg
- ▶ noise level during operation: <70 dB (A)



Bravo Line M 42 - Automatic Tyre Changer For Rims From 11" To 22" (Outside), Inflator (3Ph-400V-50Hz)
007960009875

Specification:

- ▶ automatic handling of rims from 11 „to 24“
- ▶ external spacing up to 22“
- ▶ mechanical locking of the stem
- ▶ standard hammer with a pneumatic cylinder
- ▶ one working speed of the bench
- ▶ pneumatic swing arm with a changeable cover
- ▶ a set of covers for aluminium rims included
- ▶ inflator with manometeter (optional in FS model).
- ▶ a supportive arm for unusual wheels (optional)

Technical data:

- ▶ power of the hammer: 12000 N (at 10 bar)
- ▶ opening of the hammer: 400 mm
- ▶ maximum tire diameter: 1140 mm (44.5 ")
- ▶ maximum width of the tire: 350 mm (14 ")
- ▶ pressure: 8-10 Bar
- ▶ power supply: 400V - 3Ph - 50Hz
- ▶ engine power: 0,75 kW
- ▶ bench speed: 6 rpm
- ▶ weight: 223 kg
- ▶ noise level during operation: <70 dB (A)



Bravo Line M 42 - Automatic Tyre Changer For Rims From 11" To 22" (Outside), 2-Speed Motor (3Ph-400V-50Hz)
007960009885

Specification:

- ▶ automatic handling of rims from 11 „to 24“
- ▶ external spacing up to 22“
- ▶ mechanical locking of the stem
- ▶ standard hammer with a pneumatic cylinder
- ▶ two working speeds of the bench
- ▶ pneumatic swing arm with a changeable cover
- ▶ a set of covers for aluminium rims included
- ▶ a supportive arm for unusual wheels (optional)

Technical data:

- ▶ power of the hammer: 12000 N (at 10 bar)
- ▶ opening of the hammer: 400 mm
- ▶ maximum tire diameter: 1140 mm (44.5 „)
- ▶ maximum width of the tire: 350 mm (14 „)
- ▶ pressure: 8-10 Bar
- ▶ power supply: 400V - 3Ph - 50Hz
- ▶ engine power: 0,75 kW
- ▶ bench speed: 6 rpm
- ▶ weight: 223 kg
- ▶ noise level during operation: <70 dB (A)



Bravo Line M 42 - Automatic Tyre Changer For Rims From 11" To 22" (Outside), 2-Speed Motor, inflator (3Ph-400V-50Hz)
007960009895

Specification:

- ▶ automatic handling of rims from 11 „to 24“
- ▶ external spacing up to 22“
- ▶ mechanical locking of the stem
- ▶ standard hammer with a pneumatic cylinder
- ▶ one working speed of the bench
- ▶ pneumatic swing arm with a changeable cover
- ▶ a set of covers for aluminium rims included
- ▶ inflator with manometeter (optional in FS model)
- ▶ a supportive arm for unusual wheels (optional)

Technical data:

- ▶ power of the hammer: 12000 N (at 10 bar)
- ▶ opening of the hammer: 400 mm
- ▶ maximum tire diameter: 1140 mm (44.5 „)
- ▶ maximum width of the tire: 350 mm (14 „)
- ▶ pressure: 8-10 Bar
- ▶ power supply: 400V - 3Ph - 50Hz
- ▶ engine power: 0,75 kW
- ▶ bench speed: 6 rpm
- ▶ weight: 223 kg
- ▶ noise level during operation: <70 dB (A)



M 420 2V 380/3/50 - Automatic Tyre Changer For Rims From 11" To 20" (Outside), 2-Speed Motor (3Ph-400V-50Hz)
007960001320

Specification:

- ▶ automatic tire changer for 11 „to 20“ (ext.)
- ▶ 2-speed bench (3Ph-400V-50Hz)
- ▶ automatic handling of rims from 13“ to 23“
- ▶ external spacing of up to 20“
- ▶ mechanical locking of the stem
- ▶ standard hammer with pneumatic cylinder
- ▶ two working speeds of the bench
- ▶ pneumatic swing arm with a changeable cover
- ▶ full cover for aluminium rims included
- ▶ Support arm for non-standard wheels (option)

Technical data:

- ▶ power of hammer: 2800 kgN (at 10 bar)
- ▶ maximum tire diameter: 1000 mm
- ▶ maximum width of the tire: 320 mm (12.5 „)
- ▶ pressure: 8-10 bar
- ▶ power supply: 400V - 3Ph - 50Hz
- ▶ engine power: 0,75 kW
- ▶ weight: 205/215 (FS) kg
- ▶ noise level during operation: <70 dB (A)



M 420 2V Fs 380/3/50 - Automatic Tyre Changer For Rims From 11" To 20" (Outside), 2-Speed Motor (3Ph-400V-50Hz) With Inflator
007960001330

Specification:

- ▶ automatic tire changer for 11“to 20“ (ext.)
- ▶ 2-speed bench (3Ph-400V-50Hz)
- ▶ automatic handling of rims from 13“ to 23“
- ▶ external spacing of up to 20“
- ▶ mechanical locking of the stem
- ▶ standard hammer with pneumatic cylinder
- ▶ two working speeds of the bench
- ▶ pneumatic swing arm with a changeable cover
- ▶ full cover for aluminium rims
- ▶ inflator with manometeter (optional in FS model)
- ▶ support arm for non-standard wheels (option)

Technical data:

- ▶ power of hammer: 2800 kgN (at 10 bar)
- ▶ maximum tire diameter: 1000 mm
- ▶ maximum width of the tire: 320 mm (12.5 “)
- ▶ pressure: 8-10 bar
- ▶ power supply: 400V - 3Ph - 50Hz
- ▶ engine power: 0,75 kW
- ▶ weight: 205/215(FS) kg
- ▶ noise level during operation: <70 dB (A)



M 522 2V - Automatic Tyre Changer For Rims From 11\"To 22\" (Outside), 2-Speed Motor (3Ph-400V-50Hz)

007960001000

Specification:

- ▶ automatic handling of rims from 13„to 24“
- ▶ external spacing up to 22“
- ▶ internal and external terminals with plastic covers for aluminium rims
- ▶ ideal for low profile tires and „run flat“ (with optional arm)
- ▶ mechanical locking of the stem
- ▶ standard hammer
- ▶ two working speeds of the bench (6-12rpm)
- ▶ pneumatic swing arm
- ▶ full cover for aluminium rims included
- ▶ inflator with manometer (option in FS model)
- ▶ support arm for non-standard wheels (option)

Technical data:

- ▶ hammer power: 15000 N (at 10 bar)
- ▶ opening of the hammer: 320 mm
- ▶ maximum tire diameter: 1060 mm
- ▶ maximum width of the tire: 305 mm (12„)
- ▶ pressure: 8-10 bar
- ▶ power supply: 400V - 3Ph - 50Hz
- ▶ engine power: 0.9/1.2 kW – 3Ph – 400 V – 50Hz
- ▶ torque of the bench: 1200 Nm
- ▶ weight: 225 kg
- ▶ noise level during operation: 70 dB (A)



M 522 2V - Automatic Tyre Changer For Rims From 11\"To 22\" (Outside), 2-Speed Motor (3Ph-400V-50Hz), Inflator

007960010100

Specification:

- ▶ automatic handling of rims from 13“ to 24“
- ▶ external spacing of up to 22“
- ▶ internal and external clamps with plastic Alloy pads
- ▶ ideal for low profile tires and „run flat“ (with optional arm)
- ▶ mechanical locking of the stem
- ▶ standard hammer
- ▶ two table speeds (6-12rpm)
- ▶ pneumatic tilt arm
- ▶ complete set of aluviel covers
- ▶ Support arm for non-standard wheels (optional)

Technical data:

- ▶ hammer weight: 15000 N (at 10 bar)
- ▶ opening of the hamme: 320 mm
- ▶ maximum tire diameter: 1060 mm
- ▶ maximum tire width: 305 mm (12“)
- ▶ pressure: 8-10 bar
- ▶ power supply: 400V - 3Ph - 50Hz
- ▶ motor power: 0.9/1.2 kW – 3Ph– 400 V – 50Hz
- ▶ torque of the bench: 1200 Nm
- ▶ weight: 225 kg
- ▶ noise level at work: 70 dB (A)



Tyre changer MM-TC1223

007935017235

Technical data:

- ▶ external locking rim size 12-23“
- ▶ internal locking rim size 14-26„
- ▶ max. wheel diameter 1143mm (45“)
- ▶ max. wheel width 406mm (16“)
- ▶ operating pressure: 8-10 bar
- ▶ power supply 110V (1ph)/ 220V (1ph)/ 380V (3ph)
- ▶ optional motor power 0,75/0,55/1,1 kw
- ▶ max. torque (turntable) 1078 Nm
- ▶ overall dimensions 1130×900×1050mm
- ▶ noise level <75dB



Tyre changer
MM-TC12232V(2 SPEED)
007935017240

Technical data:

- ▶ External locking rim size 12-23"
- ▶ Internal locking rim size 14-26"
- ▶ Max. wheel diameter 1143mm (45")
- ▶ Max. wheel width 406mm (16")
- ▶ Operating pressure 8-10bar
- ▶ Power supply 110V (1ph)/ 220V (1ph)/ 380V (3ph)
- ▶ Optional motor power 0.75/0.55/1.1 kW
- ▶ Max. torque (turntable) 1078 Nm
- ▶ Overall dimensions 1130×900×1050mm
- ▶ Noise level: <75dB



Tyre changer
MM-TC12232VIT
(2 SPEED, INFLATOR)
007935017250

Technical data:

- ▶ External locking rim size 12-23"
- ▶ Internal locking rim size 14-26"
- ▶ Max. wheel diameter 1143mm (45")
- ▶ Max. wheel width 406mm (16")
- ▶ Operating pressure: 8-10 bar
- ▶ Power supply 110V (1ph)/ 220V (1ph)/ 380V (3ph)
- ▶ Optional motor power 0.75/0.55/1.1 kW
- ▶ Max. torque (turntable) 1078 Nm
- ▶ Overall dimensions: 1130×900×1050mm
- ▶ Noise level: <75dB



Tyre changer MM-TC1223IT
(INFLATOR)
007935017245

Technical data:

- ▶ External locking rim size 12-23"
- ▶ Internal locking rim size 14-26"
- ▶ Max. wheel diameter 1143mm (45")
- ▶ Max. wheel width 406mm (16")
- ▶ Operating pressure: 8-10 bar
- ▶ Power supply 110V (1ph)/ 220V (1ph)/ 380V (3ph)
- ▶ Optional motor power 0.75/0.55/1.1 kW
- ▶ Max. torque (turntable) 1078 Nm
- ▶ Overall dimensions 1130×900×1050mm
- ▶ Noise level <75dB

Wheel balancers



B 225 A - Microprocessor Lcd Balancer, Automatic Start, Automatic Measurements, Wheel Guard Included. 40Mm Ø
007960001370

Specification:

- ▶ microprocessor balancer with self-purification and self-diagnosis
- ▶ automatic start after leaving the cover
- ▶ automatic wheel stop at the end of trading
- ▶ automatic meter for entering distance and diameter of the wheel
- ▶ low balancing speed
- ▶ 7 programs for aluminum wheels
- ▶ moving plane - precise determination of the place to glue the weight
- ▶ hidden weight - weight division into two parts and placing it behind the spokes aluminum rims
- ▶ mobile front support base wheels up to 50 kg (optional)

Technical data:

- ▶ power supply: 115/2230 V - 1Ph - 50/60 Hz
- ▶ shaft diameter 40 mm
- ▶ maximum tire diameter: 1117 mm
- ▶ maximum width of the tire: 600 mm
- ▶ rotational speed: 90 – 130 rpm
- ▶ maximum calculated value unbalance: 999 gr
- ▶ balancing time: 7 sek.
- ▶ weight: 75 kg
- ▶ noise level during operation: 70 dB (A)



B 325 A - Microprocessor Lcd Balancer, Automatic Start, Automatic Position Searching, Wheel Guard Included. 40Mm Ø
007960001020

Specification:

- ▶ professional, computer balancer for wheels, cars, delivery vans and motorcycles with LCD monitor
- ▶ automatic start after leaving the cover
- ▶ automatic self-diagnosis after starting work
- ▶ automatic wheel braking at the end of trading
- ▶ automatic width measurement rims (optional)
- ▶ variable balancing speed
- ▶ locking shaft lock (controlled button)
- ▶ moving planes - exact determination of the place of sticking the weight
- ▶ RPA - automatic wheel setting in position to attach the weight
- ▶ hidden weight - split the weight into two equal parts and placing it behind the spokes of the aluminum rim
- ▶ weight distribution - weight into two equal parts and placing it on both sides of the spokes (program for motorcycles)
- ▶ „OPT flash“ program for elimination remaining unbalance
- ▶ wheels up to 50 kg (optional)

Technical data:

- ▶ power supply: 115/2230 V - 1Ph - 50/60 Hz
- ▶ shaft diameter: 40 mm
- ▶ maximum tire diameter: 1117 mm
- ▶ maximum width of the tire: 600 mm
- ▶ rotational speed: 90 – 130 rpm
- ▶ maximum calculated value unbalance: 999 gr
- ▶ balancing time: 7 sek.
- ▶ weight: 75 kg
- ▶ noise level during operation: 70 dB (A)



Bravo Line B 45 AD -
Microprocessor Led Balancer,
Automatic Start, Manual measurment of
parameters 40mm Ø (NO SAFETY GUARD
(.007960001120) -TO BUY SEPARATLY).
Cones and pilers included
 007960009860

Specification:

- ▶ microprocessor balancer with self-calibration and self-diagnosis
- ▶ manual data entry
- ▶ 7 special programs for aluminum rims
- ▶ balancing speed (150 to 200 rpm)
- ▶ manual tests for measuring the distance and diameter of the wheel
- ▶ automatic wheel braking at the end of rotation
- ▶ automatic start after lowering the cover
- ▶ Illuminated LED display
- ▶ a great selection of programs to help you working with a machine
- ▶ visualization of unbalance values in grams or ounces

Technical data:

- ▶ power supply: 115/230 V - 1Ph - 50/60 Hz
- ▶ shaft diameter: 40 mm
- ▶ maximum tire diameter: 1110 mm (43.7")
- ▶ maximum tire width: 580 mm (22.8")
- ▶ pressure: 8-10 bar
- ▶ motor power 2V: 0.9/1.2 kW - 3Ph - 400V - 50Hz
- ▶ balancing time: 7 sek.
- ▶ weight: 70 kg
- ▶ noise level during operation: 70 dB (A)



Bravo Line B 45 AD -
Microprocessor Led Balancer, Auto-
matic Start, Automatic measurment of
parameters 40mm Ø (NO SAFETY GUARD
(.007960001120) -TO BUY SEPARATLY).
Cones and pilers included
 007960009850

Specification:

- ▶ microprocessor balancer with self-calibration and self-diagnosis
- ▶ manual data entry
- ▶ 7 special programs for aluminum rims
- ▶ balancing speed (150 to 200 rpm)
- ▶ automatic tests for measuring the distance and diameter of the wheel
- ▶ automatic wheel braking at the end of rotation
- ▶ automatic start after lowering the cover
- ▶ illuminated LED display
- ▶ a great selection of programs to help you working with a machine
- ▶ visualization of unbalance values in grams or ounces

Technical data:

- ▶ power supply: 115/230 V - 1Ph - 50/60 Hz
- ▶ shaft diameter: 40 mm
- ▶ maximum tire diameter: 1110 mm (43.7")
- ▶ maximum tire width: 580 mm (22.8")
- ▶ pressure: 8-10 bar
- ▶ motor power 2V: 0.9/1.2 kW - 3Ph - 400V - 50Hz
- ▶ balancing time: 7 sek.
- ▶ weight: 70 kg
- ▶ noise level during operation: 70 dB (A)



Wheel balancer MM-WB1024
 007935017275

Specification:

- ▶ Wheel weight max.: 65kg
- ▶ Motor power: 200W
- ▶ Power supply: 220v/50Hz
- ▶ Rotational speed: $\pm 1g$
- ▶ Rotation speed: 200obr/min
- ▶ Cycle duration: 8s
- ▶ Rim diametry: 10"-24" (256mm m)
- ▶ Rim width: 1,5"-20" (40mm)
- ▶ Sound level: <70db
- ▶ Net weight: 102Kg
- ▶ Dimensions: 960mm x 760mm x 1160mm

Standard equipment:

- ▶ Protective cover
- ▶ Cones
- ▶ Pliers
- ▶ Compasses
- ▶ Roller
- ▶ Lock
- ▶ Calibration weight

Characteristics:

- ▶ LCD display, intuitive and flexible user interface,
- ▶ Various balancing programs: static, dynamic,
- ▶ 5 ALU programs, optimization,
- ▶ Automatic measurement of wheel parameters,
- ▶ Intelligent automatic calibration and self-diagnosis function



Wheel balancer MM-WB1024AW
007935017280

Specification:

- ▶ Wheel weight max.: 65kg
- ▶ Motor power: 200W
- ▶ Power supply: 220v/50Hz
- ▶ Precision balancing: $\pm 1g$
- ▶ Rotational speed: 200obr/min
- ▶ Cycle duration: 8s
- ▶ Rim diameter: 10"-24"(256mm m)
- ▶ Rim width: 1,5"-20"(40mm)
- ▶ Sound level: <70db
- ▶ Net weight: 102Kg
- ▶ Dimensions: 960mmx760mmx1160mm

Standard equipment::

- ▶ Protective cover
- ▶ Cones
- ▶ Pliers
- ▶ Compasses
- ▶ Roller
- ▶ Lock
- ▶ Calibration weight

Characteristics:

- ▶ LCD display, intuitive and flexible
- ▶ Various balancing programs: static, dynamic
- ▶ 5 ALU programs, optimization
- ▶ Automatic measurement of wheel parameters
- ▶ Intelligent automatic calibration and self-diagnosis function

Motorcycle adaptor
MM-WB1024
007935017290



Ally 80-Special arm for low profile
and flat tyres for M522
007960010110



Large centering cone
for MM-WB1024
007935017285



Universal wheel flange
MM-WB1024
007935017295



FSP25 Wheel holder shaft -
pedal braking kit for B225
007960009830



D. 18 Shaft Set Complete With Cones,
Bushings And Locking Ring Nut.
For Very Heavy Motorcycle Wheels
007960001310



Side rubber for brake
beeder for M42
007960009790



Side rubber for brake
beeder for M522
007960009795



Helper 4Fd - Multipurpose
Bead Lifting/Pressing Rh Side
Helper, For Sport Tyres.

007960001050



Bead breaker shovel
protection cover

007935017265



Plastic Cover For Bead
Breaker 6Pcs For M420
And M522

007960009640



Helper 4Fd Kit M42-
Customization Kit &
Attachment Kit (For Bravo
Line M 42 Series)z

007960001060



Plastic Cover For Head
Long 5Pcs

007960009630



Ally 30 Customization
Kit & Attachment Kit
(For M 420 Series)

007960001070



Plastic Cover For Head 10Pcs

007960009620



Helper 4Fd Kit M522-
Customization Kit & Attachment
Kit (For M522 Series)

007960001380



Plastic covers for
jaws long (set 4 pcs)

007935017260



Plastic coveyrs for jaws
short (set 4 pcs)

007935017255



KP25 Front support base
for B225/B325

007960009840



Single Plastic Wheel Guard For
B 40/B45

007960001120



Pcm Basic Set Of
Cones For B 40

007960001100



Help arm FOR
MM-TC1223

007935017270



Set of adapters for ATV

007960009935



Set of adapters for
motorcross alloys

007960009930



Self-Centering Flange For
Motorcycle Wheels, Rotation
Via Application To Wheels From
Outside. The Gtm2 Must Be
Completed With Garp.

007960001300



Centering Accessory
For Vans And Off-Road
Vehicles With Centre
Hole Wheels. From Hole
Ø 117 To 173 Mm

007960001290



Belzer Pliers

007960001350



Accessory For
Off-Road Wheels
With Central Hole.
From Hole Ø 101
To 119 Mm

007960001280



TP25 STD ALU weight holder
terminal for B225/B325

007960009835



TE40 External gauge
to acquire the rim width
automatically for B225/B325

007960009845



Flange for motorcycle
wheels 15-23"

007960009940



Kit Of 6 Plastic Covers
For Tyre Lever

007960009670



Universal Flange For All Wheels
With Or Without Central Holes.
Supplied With Wrenches And
Caliper (Wheels Gauge From
Ø 90 To 210 Mm.).

007960009650



Set Of 6 Plastic Covers
For Bead Breaker

007960009680



Set Of 12 Integral Plastic Jaws
Pads For

007960009660



SMD sonar for the sensor

007960010090





**MAGNET
MARELLI**

TOOLS, CHEMICAL PRODUCTS, CLOTHES

**MAGNET
MARELLI**

MM OD-02



▶ 007935016720



▶ 007935016710



▶ 007935016700

	MMOD-02 7935016720	MMOD-01 7935016710	MMOD-03 7935016700
Empty Tank Pressure (Mpa):	0~0.1	0~0.1	0~0.1
Hypertension (bar/psi):	8~10/114~145	8~10/114~145	8~10/114~145
Tank capacity	80 liters	80 liters	80 liters
Performance (liters/m):	1.5~2	1.5~2	1.5~2
Working pressure (bar/psi):	1~2/14~28	1~2/14~28	1~2/14~28
Oil temperature:	40~80	40~80	40~80
Control tank (Liters / gallons)	10/2.6	-	-
Pantograph (liters / gallons)	20	15	-
Standard set:	reservoir, paper holder, reservoir tank	reservoir, paper holder, reservoir tank	reservoir, paper holder, reservoir tank
Dimensions:	470 x 385 x 1600mm	470 x 385 x 1600mm	470 x 385 x 900mm
Weight:	29 / 32 Kg	25 / 27 Kg	22 / 24 Kg

Brake Fluid Exchanger

▶ 007935016730



Magneti Marelli offers a universal pneumatic device for brake fluid replacement.

Universal pneumatic device for brake fluid replacement. The device consists of a stainless steel container, inside which a rubber diaphragm moves, sucking the brake fluid from the vehicle. After filling the internal tank to maximum operating pressure, the device works independently. Just one technician is required to completely replace the fluid. The kit includes service adapters, hoses and two 1-litre reservoirs.

Technical data

Operating pressure	0.7 - 3 bar
Dimensions	25x25x7.5 - 6-litre tank
Hose	5 metre (compressed air)
Safety valve	3 Bar



MM OD-04 Mobile waste oil drainer 80L
007935017090

The device is equipped with a wheel chassis with a tank made of varnished steel with a capacity of up to 80 liters. The set also includes inlet pipes, probes grouped appropriately, 6 pieces and outlet pipe. Application of the device is universal due to the possibility of changing engine oil after decompression automatically with an appropriately selected one of the 6 probes provided with the devices. Working with this device is possible in the range of temperatures from 60-80°C. The advantages of the device also include its ability to achieve suction at the level of 2/3 of the tank capacity.

Technical data:

- ▶ Working pressure: 0,7 - 3 Bar
- ▶ Tank 80l
- ▶ Pipe (compressed air) 5 meters
- ▶ Safety valve: 3 Bar
- ▶ Vacuum: 0 ~ -0.1MPa
- ▶ Input pressure: 8-10Bar
- ▶ Tank capacity (Liters): 80L
- ▶ Performance (liters / meter): 1.5-2
- ▶ Tank emptying pressure: 12Bar
- ▶ Oil temperature range: 40 ~ 80°C
- ▶ Shelf for tools
- ▶ Paper holder
- ▶ Dimensions: 500x420x890mm
- ▶ Dimensions of the bowl: 470x470x230mm
- ▶ Weight: 24kg



MM OD-05 Mobile waste drainer oil with meauserment 80L
007935017095

Its design includes such elements as:

- ▶ a tank is located on a steel covered wheel chassis covered with lacquer with a tank for 80 liters of liquid;
- ▶ Inlet pipe
- ▶ outlet pipe

Our product works automatically after the decompression and is used for oil change in engines with a suitable probe, a set of 6 pieces included.

Device parameters:

- ▶ The machine operates at an oil temperature not exceeding 80 °C
- ▶ The suction capacity is up to 2/3 of the tank capacity

WARNING:

It is strictly forbidden to use our product in order to eliminate brake fluids, gasoline, diesel as well as flammable liquids.

Functionality:

- ▶ Pumping out used liquid or other oily substance from vehicle engines and machines using hoses made of PVC material as well as with a durable CU end
- ▶ The device is powered by compressed air

Set contains:

- ▶ Manual in Polish
- ▶ one liquid tank
- ▶ one oil dump tray
- ▶ one filter
- ▶ funnel equipped with an extension for easier collection of a cast substance consisting of 3 elements to form a specific set.

Technical parameters:

- ▶ 76 L tank
- ▶ Working temperature: 40-60°C
- ▶ Weight: 25 kg
- ▶ Inlet connection for air supply of 1/4"
- ▶ Bowl, dimensions: 470x470x230
- ▶ Device size: 500x420x890
- ▶ Air inlet pressure: 0,7-8 Bar / 10,2 PSI~116PSI
- ▶ Air outlet pressure: 0,6-0,8 Bar / 8,7~10,6PSI
- ▶ Oil tray with capacity 15L



MM-OD-06 Grease dispenser
130-140 manual
007935017125

Manual grease dispenser is a device for lubrication and administration of lubricants into systems requiring lubrication with manual oil pump for vehicle components. The pump is mainly used for workshop applications and guarantees simplicity and easy use, allowing you to adjust the amount and rate of lubricant delivery to your current needs while dosing even small amounts.

Technical data:

- ▶ Tank capacity: 13 kg / 22.66 lbs
- ▶ Pipe diameter:
1/4 inch, 2.5 m long
- ▶ Working air pressure:
80-115 psi (6-8 kG / cm²)
- ▶ Delivery rate: Manual
- ▶ Oil outlet pressure:
185-200 psi (13-14 kG / cm²)
- ▶ Frequency-dependent output
lever operation



MM-OD-07 Grease dispenser
360-480 with pneumatic pump
007935017130

Automatic grease dispenser with a pneumatic pump is a device for lubrication and administration of lubricants in systems requiring lubrication. Oil is delivered to vehicle components with an automatic delivery pump. The pump is mainly intended for use in workshops and guarantees simplicity and easy use allowing you to adjust quantity and rate of lubricant feed up to your needs, dosing even small quantities without much effort.

Technical data:

- ▶ Tank capacity: 13 kg / 22.66 lbs
- ▶ Tube diameter: 1/4 inch,
2.5 m in length
- ▶ Working pressure: 80-115 psi
(6-8 kG / cm²)
- ▶ Extrusion ratio: 50: 1
- ▶ Oil outlet pressure: 4285-5715 psi
(350-400 kG / cm²)
- ▶ Flow rate: 400-600 g/min.



Blocking Vice For Shock Absorbers
007935060310



**Adjustable Support For Upholding
The Strut Of The Shock Absorber**
007935060320



**Blocking Vice For Honda, Toyota
(Chosen Models)**
007935060650



**Blocking Vice For Mercedes
(Chosen Models S Class)**
007935060660



**Universal Pneumatic Device
For Shock Absorber Assembly
(Incl. 007935060310 Blocking Vice)**
007935060300

Universal pneumatic device for the removal and assembly of shock absorbers from Mc Pherson. The unit works using compressed air from the compressor. Equipped with two brackets to catch the spring. Thanks to them, dismantling the shock absorber is quick and reliable.





Digital Meter Control Valve with electronic flowmeter and pre selection
007935017085



Digital Meter Control Valve with electronic flowmeter
007935017080



Oil Control Valve, Without Digital Meter, Rigid Tube With Manual Valve
007935016820



Mobile grease pump unit for drums 180-200 kg 50:1 grease pump 940mm, grease gun, with Z-Swivel and 2 m hose
007935017135



Mobile grease pump unit for drums 20kg-60kg 50:1 grease pump 480mm, grease gun, with Z-Swivel and 2 m hose
007935017140



Hose for oil pumps 4m
007935017155



Hand Oil Pump
007935016780



Hose Reel Oil 1/2" 9M 138 Bar
007935016810



Hose Reel Air 3/8" 15M 20 Bar
007935016800



Swivel Bracket For The Wall
007935016790



5:1 oil pump, 270mm
007935017100
5:1 oil pump, 740mm
007935017105
5:1 oil pump, 940mm
007935017110



Oil Control Valve, Without Digital Meter, Flexible Tube With Automatic Valve
007935016830



Barrel Trolley (180-200L) With Pump 5:1 And Electric Gun, Hose 4M
007935016760



Barrel Trolley (180-200L) With Pump 5:1 And Electric Gun, Hose 4M, Hose Reel
007935016770



Drum/Barrel trolley 180-200kg
007935017120



Drum/Barrel trolley 20-60kg
007935017115

NEW



Trolley with 206 tools MM-TT206

007935350000



Mobile service tool trolley by Magneti marelli.
There are 5 drawers in it; 3 of them are equipped with sets of tools made of chromium and vanadium (CrV) steel; the remaining 2 drawers can be adapted by the user.

Profiles made of double steel plate. Central locking and protection against opening more than one drawer. Cart top made of anti-skid mat. The cart is fitted with a set of tough.

ELEMENTS OF SET

Drawer 1



007935350400

- ▶ Ferrules: 8, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32 mm
- ▶ Articulated grip - 15"
- ▶ Ratchet spanner
- ▶ Adapter: 1/2" Fx 3/8" M
- ▶ Sparking plug attachment: 16 mm, 21 mm
- ▶ Extension 2x : 5", 10"
- ▶ Cross connector



007935350500

- ▶ Set of socket wrenches of HEX type: 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm
- ▶ Set of socket wrenches of TORKS type: 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm
- ▶ Screwdrivers: PH2x110mm, SLS.5-125mm



007935350600

- ▶ Length 30mm OT20, T25, T30, T40, T45, TSO, T55, 0M5, M6, M10, M12mm, OHS, H6, H7, H8, H10, H12mm
- ▶ Length 75mm T20, T25, T30, T40, T45, TSO, T55, H5, H6, H7, H8, H10, H12mm, MS, M6, M10, M12mm
- ▶ Length 50mm PH 1, 2, 3 R O, 1, 2 T6, T7, T8, T9, T10, T15, T20, T25, T27, T30 H2, H2.5, H3, H4, H5 4, 6, 8 1, 2, 3 6, 8, 10
- ▶ Magnetic tip screwdriver 1 piece
- ▶ Bit Adapter x2 pieces: 1/2", 3/8" x H10

ELEMENTS OF SET

Drawer 2



007935350900

- ▶ Flat wrenches, box wrenches, bent spanners: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 32mm
- ▶ Torch



007935351200

- ▶ Ferrules 4, 4.5, 5, 5.5 6, 7, 8, 9, 10, 11, 12, 13, 14,
- ▶ Extensions 1x short 1x long
- ▶ Articulated joint
- ▶ Ratchet spanner
- ▶ Articulated grip
- ▶ Adjustable wheel type: T

Drawer 3



007935351300

- ▶ Pincers 8"
- ▶ Long pliers 8"
- ▶ Cutting tongs 10"
- ▶ Slip-joint pliers 8"
- ▶ Pliers 8"



007935351500

- ▶ Long ferrules: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23mm



007935351800

- ▶ Socket wrenches Torks: T15x55, T20x55, T25x55, T27x55, T30x55, T40x55, T45x55, T50x55, T55x55, T60x55, T70x55mm
- ▶ Socket wrenches Hex: H4x55, H5x55, H6x55, H7x55, H8x55, H10x55, H12x55, 14x55, H17x55mm



Magneti Marelli pneumatic impact wrenches

Impact wrench 1/2" with a two-way hammer mechanism and pressurized lubrication system. Wrenches are available in 680, 860 and 1360 Nm versions. To ensure smooth rotation and maximum power, air motors are equipped with high-quality bearings. The left/right rotation switch also has a speed control function.



NEW

Pneumatic wrench aluminium
1/2" MM-068 680 Nm
007936331000

- ▶ Square-tip drive 1/2"
- ▶ Maximum torque 680 Nm
- ▶ Air consumption - 0,11 m³/min
- ▶ Working pressure 6 bar
- ▶ Air supply 1/4"
- ▶ Weight 2,0 kg



NEW

Pneumatic wrench composite
1/2" MM-086 860 Nm
007936331010

- ▶ Square-tip drive 1/2"
- ▶ Maximum torque 860 Nm
- ▶ Air consumption - 0,13 m³/min
- ▶ Working pressure 6 bar
- ▶ Air supply 1/4"
- ▶ Weight 2,0 kg



NEW

Set of pneumatic sockets for alloy rims
size 21, 19, 17-3 pcs
007936331030



NEW

Pneumatic wrench composite 1/2"
MM-136 1360 Nm
007936331020

- ▶ Square-tip drive 1/2"
- ▶ Maximum torque 1360 Nm
- ▶ Air consumption - 0,31 m³/min
- ▶ Working pressure 6 bar
- ▶ Air supply 1/4"
- ▶ Weight 2,2 kg



Pneumatic wrench composite
MM-150 1500 Nm
007936331050

- ▶ Drive with square end: 1/2"
- ▶ Screw size: 3/4" (19mm)
- ▶ Number of rotations per minute: 8800rpm
- ▶ Air intake: 1/4"
- ▶ Air consumption: 8 cubic feet per minute
- ▶ Working pressure: 90psi
- ▶ Maximum torque: 1492Nm / 110 feet-pounds
- ▶ Weight: 2.70kg



Pneumatic wrench aluminium 1/2" MM-052
520 Nm 007936331040

- ▶ Drive with square end: 1/2"
- ▶ Screw size: 1/2" (13mm)
- ▶ Number of rotations per minute: 8500rpm
- ▶ Air intake: 1/4"
- ▶ Air consumption: 4 cubic feet per minute
- ▶ Working pressure: 90psi
- ▶ Maximum torque: 520Nm / 385 feet-pounds
- ▶ Weight: 1.60kg



Chemical products



ADDITIVE FAP250 ML 20 PCS+PRESENTER MARELLI

007950026116

DPF cleaner for diesel engines is commercially available as a product that is mixed with diesel, reduces sediment and carbon particles; Extends the life of the FAP / DPF filter by keeping it clean and effective over time.



ADDITIVE LPG 250 ML 12 PCS+PRESENTER MARELLI

007950026111

The LPG fuel additive is supplied with a special pressure vessel with a connecting pipe. The use of this liquid keeps the system in cleanliness, prolongs the service life of the gaskets, keeps the valve seats and injectors clean. Important benefits: Acceleration, emission reduction, fuel economy and engine durability. Only for GPL installation.



ADDITIVE DIESEL 250 ML 20 PCS+PRESENTER MARELLI

007950026106

Multifunctional gasoline additive is a new generation professional product for cleaning and protecting propulsion systems for diesel-powered vehicles. Significant benefits: reduces fuel consumption, reduces emissions, improves engine performance, facilitates and improves cold cuts, facilitates fuel combustion, compresses compressors, improves performance and reduces noise.



DPF FLUSH GUN FOR DPF/FAP

007950026130

DPF flush gun for use with the DPF / FAP cleaning system consists of 3 components: FAP dispenser, rinsing fluid and container. The combined effect of these two agents cleans the dense particle filter and allows cleaning without dismantling. Cleaning the FAP / DPF Filter is recommended for any system specially designed for vehicles that usually make short runs. That way the filter is kept in good condition as it prevents clogging, prolonging its life. żywotności.



DPF RINSE 5 LT

007935019080



DPF FLUSH 5 LT

007935019070

Professional workshop lamps

**Head lamp 130 lum.
Batteries SMD Led**
007935030180

- ▶ SMD LED provides 65 or 130 lumens
- ▶ Two brightness settings
- ▶ Touchless switching on and off the lamp
- ▶ Adjustable and removable headband
- ▶ Power: 3 x AAA battery
- ▶ Dust and water resistant (IP54)

**Head lamp 250 lum.
Rechargeable battery COB Led**
007935030190

- ▶ COB LED provides 80 or 250 lumens
- ▶ Two brightness settings.
- ▶ Touchless switching on and off the lamp
- ▶ Adjustable and removable headband
- ▶ Power supply: 3.8V 1600mAh Li-Pol battery
- ▶ Working time 2.5h / 6h
- ▶ Dust and water resistant (IP54)

**Head lamp and flashlight -
Rechargeable battery 100/50
Lumens SMD Led**
007935030210**Head lamp**

- ▶ COB LED provides 80 or 250 lumens
- ▶ Two brightness settings
- ▶ Touchless switching on and off the lamp
- ▶ Adjustable and removable headband
- ▶ Power supply: 3.8V 1600mAh Li-Pol battery
- ▶ Working time 2.5h / 6h
- ▶ Dust and water resistant (IP54)

A flashlight

- ▶ The LED provides 60 or 120 lumens
- ▶ Two brightness settings
- ▶ Range of light beam > 90 M
- ▶ Power supply: 3.7V 1000mAh Li-ion rechargeable battery
- ▶ 2,5H / 5H working time
- ▶ Dust and water resistant (IP54)

**Head lamp and flashlight -
Rechargeable battery 130/65
Lumens SMD Led**
007935030200**Head lamp**

- ▶ SMD LED provides 65 or 130 lumens
- ▶ Two brightness settings
- ▶ Touchless switching the lamp on and off
- ▶ Adjustable and removable headband
- ▶ Power: 3 x AAA battery.
- ▶ Dust and water resistant (IP54)

A flashlight

- ▶ The LED provides 50 or 100 lumens
- ▶ Two brightness settings
- ▶ Range of light beam > 75 M
- ▶ Power: 3 x AAA battery.
- ▶ Dust and water resistant (IP54)

**Car adaptor**
007935030120

Charges: 12V acid, lead, AGM, gel batteries (Not suitable for batteries not suitable for multiple recharging) • Input: SC5E AC 220-240 V / 1A / 50Hz • Charge output mode: SC5E 5A. Output maintenance mode: pulse charging Cables 183 cm. Dimensions: 16.0 (L) x 9.6 (W) x 5.4 (H) cm. Weight: 0.85 kg



Professional workshop lamps



**3W+UV
Swivel Light COB**
007935030020

- ▶ 3W COBED fronts provide >240 lumens
- ▶ Top UV LED, 395~410nm
- ▶ Rotation function 120 degrees
- ▶ Magnet at the bottom of the handle
- ▶ Hooks on the bottom / top of the handle
- ▶ Charging socket with level indicator
- ▶ 2-3 hours of work
- ▶ 3-4 hours of charging
- ▶ 5V 1A CE adapter with mini-USB cable



**3W+3W
Swivel Light COB**
007935030030

- ▶ 3W COBED FRONT provide 240 lumens
- ▶ Upper LED with UV 395 ~ 410nm
- ▶ The rotation function is 120 degrees
- ▶ Magnet in the bottom of the handle
- ▶ Hooks on the bottom / top of the handle
- ▶ Charging socket with level indicator
- ▶ 2-3 hours of work
- ▶ 3-4 hours of charging
- ▶ 5V 1A CE adapter with mini-USB cable



**Straight lamp top +
front 300 lumen 3W**
007935030150

- ▶ 3W front COB LED provide 50 lumen
- ▶ 3W top SMD LED provide 300 lumen
- ▶ Two-range lighting power option 150 or 300 lumen
- ▶ Two rotary integrated hooks with magnets
- ▶ Detachable hooks
- ▶ Charging time: 3-4h
- ▶ Operation time: 3-6h
- ▶ Charging port



Underhood cordless lamp 2000 lumens 18W
007935030170

- ▶ 18W SMD LED provide up to 2000 lumen
- ▶ Two-range lighting power selection provides 1000 or 2000 lumen
- ▶ ABS injection moulded grip with shock-resistant protection
- ▶ Aluminium alloy hook with PVC cover, soft hook covers prevent scratching the vehicle body
- ▶ 47" to 75" adjustable bar; easy mounting to most trucks and SUVs
- ▶ Finger hooks (360°) for safe and firm mounting
- ▶ Charging time: 3,5-4h
- ▶ Operation time: 1,5-3h
- ▶ Charging port
- ▶ Hook made of aluminum alloy with PVC cover
- ▶ The soft shell of the hook prevents scratching of the vehicle body
- ▶ Easy mounting to most trucks and SUVs
- ▶ The ratchet hooks (360°) provide safe and rigid mounting

**15W SMD
Corded Underhood Light**
007935030070

- ▶ Brightness in a given area 450-550 Lm at half power, 900-1150 Lm at full power
- ▶ The brightness control button allows choice of half or full power
- ▶ Handle with ABS with spray-formed and anti-collision protection
- ▶ Ergonomic design ensures convenient operation
- ▶ Hook made of aluminum alloy with PVC cover
- ▶ The soft shell of the hook prevents scratching of the vehicle body
- ▶ Adjustable rod in the range of 47" to 75"
- ▶ Easy to attach to most trucks and SUVs
- ▶ The ratchet hooks (360°) provide safe and rigid mounting



Professional workshop lamps

2.5W Folding Light

007935030040

- ▶ 2,5 W COB LED provides >150 Lm
- ▶ Foldable handle rotated 360°, with magnet
- ▶ Retractable and rotatable clamp/hook rotated 360°
- ▶ 3-3.5 hours of continuous work
- ▶ 2,5-3 hours of charging
- ▶ Adapter 5V 1A CE with mini-USB cable


Penlight wit zoom
250 lumens 3W

007935030160

- ▶ 3W LED high power
- ▶ Metal durable cover
- ▶ Water and dust resistant (IP54)
- ▶ Lighting power option: 140 or 250 lumen
- ▶ Possibility to change light focal length
- ▶ Charging port incl. mini-USB
- ▶ Charging time: 3-4h
- ▶ 2,5-5 hours of work

NEW
NEW

Mini 3W+3W Swivel Light COB

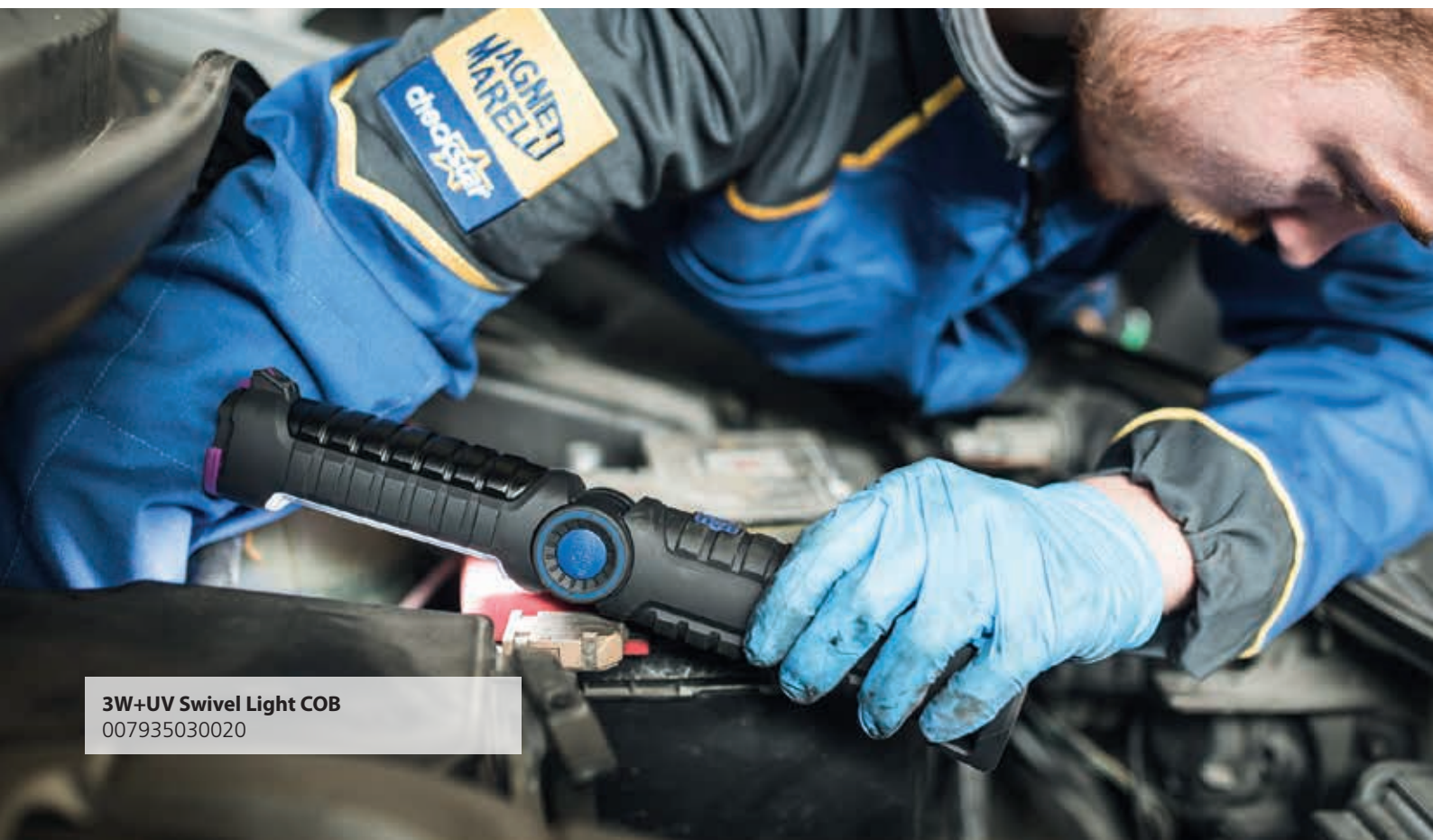
007935030140

- ▶ 3W front COBLED provide >240 lumens
- ▶ 3W top SMD LED provide >160 lumens
- ▶ Rotation function 120 degrees
- ▶ Magnet in the bottom parts of the handle
- ▶ Hooks "nest" type in the lower/upper part of the holder
- ▶ Charging socket with indicator level
- ▶ 2-3 hours of work
- ▶ 3-4 hours of charging
- ▶ Adapter 5V 1A CE with mini-USB cable


Mini 3W+UV Swivel Light COB

007935030130

- ▶ 3W front COBLED provide >240 lumens
- ▶ 3W top SMD LED provide >160 lumens
- ▶ Rotation function o 120 degrees
- ▶ Magnet at the bottom parts of the handle
- ▶ Hooks "nest" type in lower / upper part of the holder
- ▶ Charging socket with indicator level
- ▶ 2-3 hours of work
- ▶ 3-4 hours of charging
- ▶ Adapter 5V 1A CE with mini-USB cable

NEW

3W+UV Swivel Light COB
007935030020



Health and safety articles



Nitrile Gloves M 100 Pieces

- ▶ 099700120060 - Size M
- ▶ 099700120070 - Size L
- ▶ 099700120080 - Size XL

Gloves made of nitrile monoblock with non-slip finish; pre-cut cardboard box allows an easy access to products.



Liquid paste for washing hand profesional with pump 4,5L

- ▶ 099996001204 - 4,5 L

Liquid paste for washing hands 4.4 l with a pump contains glycerine to soften the skin purifies your hands leaving a delicate scent.



Soap for washing hand profesional (1 Lt)

- ▶ 099996001010 - 1 L

Liquid in the form of detergent of high degreasing level. Indigestible hand soap recommended for use in workshops.



Paste for washing hand

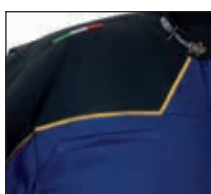
- ▶ 099996001000 - 1 L
- ▶ 099996001005 - 4 L

Contains glycerin to soften the skin Cleanses the hands leaving a delicate scent. Do not clog the drain hoses. Does not contain sand.



Overall

MM CODE	SPECIFICATION	SIZE
099720160001	Overall	S
099720160002	Overall	M
099720160003	Overall	L
099720160004	Overall	XL
099720160005	Overall	XXL
F099720160006	Overall	XXXL



Trousers with shoulder straps

MM CODE	SPECIFICATION	SIZE
099720160013	Trousers with shoulder straps	S
099720160014	Trousers with shoulder straps	M
099720160015	Trousers with shoulder straps	L
099720160016	Trousers with shoulder straps	XL
099720160017	Trousers with shoulder straps	XXL
099720160018	Trousers with shoulder straps	XXXL



Trousers

MM CODE	SPECIFICATION	SIZE
099720160025	Trousers	S
099720160026	Trousers	M
099720160027	Trousers	L
099720160028	Trousers	XL
099720160029	Trousers	XXL
099720160030	Trousers	XXXL



Working apron

MM CODE	SPECIFICATION	SIZE
099720160031	Working apron	S
099720160032	Working apron	M
099720160033	Working apron	L
099720160034	Working apron	XL
099720160035	Working apron	XXL
099720160036	Working apron	XXXL



Vest

MM CODE	SPECIFICATION	SIZE
099720160037	Vest	S
099720160038	Vest	M
099720160039	Vest	L
099720160040	Vest	XL
099720160041	Vest	XXL
099720160042	Vest	XXXL

- ▶ Softshell fabric
- ▶ Hydrophobic layers
- ▶ Breathable membranes
- ▶ Internal fleece



Jacket

MM CODE	SPECIFICATION	SIZE
099720160043	Jacket	S
099720160044	Jacket	M
099720160045	Jacket	L
099720160046	Jacket	XL
099720160047	Jacket	XXL
099720160048	Jacket	XXXL

- ▶ Softshell fabric
- ▶ Hydrophobic layers
- ▶ Breathable membranes
- ▶ Internal fleece



Blouse

MM CODE	SPECIFICATION	SIZE
099720160049	Blouse	S
099720160050	Blouse	M
099720160051	Blouse	L
099720160052	Blouse	XL
099720160053	Blouse	XXL
099720160054	Blouse	XXXL

- ▶ 100% Cotton
- ▶ Embroidered logo



Polo

MM CODE	SPECIFICATION	SIZE
099720160055	Polo	S
099720160056	Polo	M
099720160057	Polo	L
099720160058	Polo	XL
099720160059	Polo	XXL
099720160060	Polo	XXXL

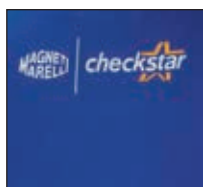
- ▶ 100% Cotton



T-Shirt

MM CODE	SPECIFICATION	SIZE
099720160061	T-Shirt	S
099720160062	T-Shirt	M
099720160063	T-Shirt	L
099720160064	T-Shirt	XL
099720160065	T-Shirt	XXL
099720160066	T-Shirt	XXXL

► 100% Cotton



Backpack

MM CODE
099720160000



Workshop shoes with hard tip

MM CODE	SIZE
099300003710	37
099300003810	38
099300003910	39
099300003910	40
099300004110	41
099300004210	42

- ▶ No metal parts
S1P SRC Protection (EN ISO 20345: 2011)
- ▶ Weight: less than 580g to n. 42
- ▶ Reinforced toes and sole -
Composite toe part, impact
resistant 200 J and pressure up to
15kN (about 1.5t)
- ▶ Perforated ballistic fabric
insert
- ▶ Slip system - safe walking in humid
environment with the presence of oil
or slippery substances
- ▶ Antistatic



Also available: 099300004310 - Size: 43 / 0099300004410 - Size: 44 / 0099300004510 - Size: 45 / 0099300004610 - Size: 46

High working shoes with a hard tip

MM CODE	SIZE
099310003710	37
099310003810	38
099310003910	39
099310004010	40
099310004110	41
099310004210	42

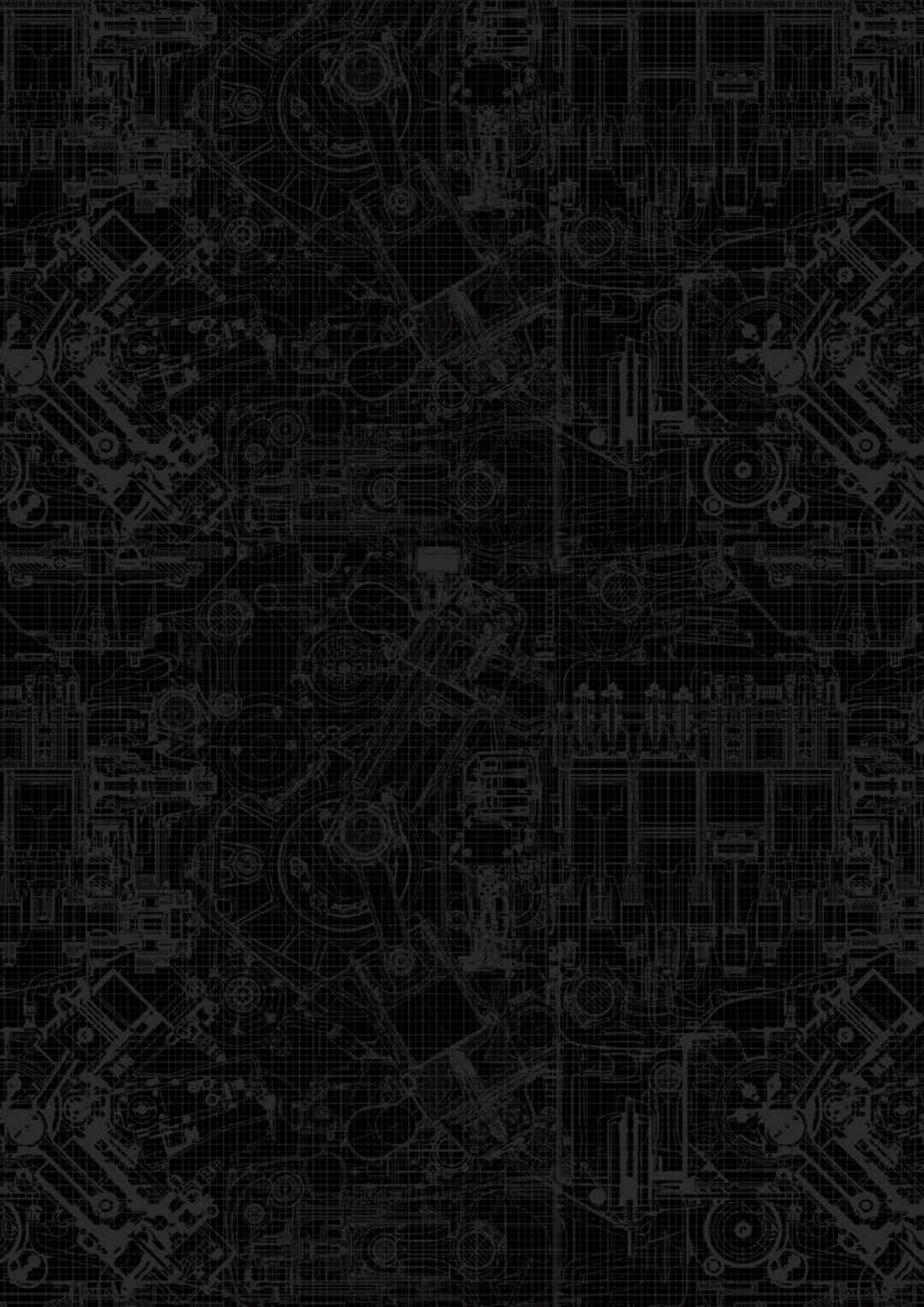
- ▶ No metal parts
S1P SRC Protection (EN ISO 20345: 2011)
- ▶ Reinforced toes and sole -
composite backing, impact
resistant of 200 J and pressure
up to 15kN (about 1.5t)
- ▶ Perforated ballistic
fabric insert
- ▶ Perforated ballistic
fabric insert
- ▶ Slip system - safe moving
in a humid environment with
the presence of oil or slippery
substances
- ▶ Antistatic



Also available: 099310004310 - Size: 43 / 099310004410 - Size: 44 /
099310004510 - Size: 45 / 099310004610 - Size: 46 / 099310004710 - Size: 47 / 099310004810 - Size: 48

The background of the page is a light blue technical drawing or blueprint. It features various mechanical components, gears, and lines, typical of an engineering drawing. The drawing is oriented horizontally and covers the entire page, with a slightly darker blue vertical band on the left side.

<http://mmwe.eu>
<http://magnetimarelli-checkstar.pl>





Magneti Marelli Aftermarket Sp. z o.o.
Plac pod Lipami 5, 40-476 Katowice, Polska
Tel. +48 32 60 36 142
Fax. +48 32 60 36 108
e-mail: wyposazenie@magnetimarelli.com
www.magnetimarelli-checkstar.pl
www.wyposazeniemm.pl

