

WE PROVIDE



Power steering systems

Contemporary and user-friendly equipment for HPS and EPS systems repair.



Shock absorbers

MS1000+ Test bench for diagnostics of shock absorbers of all types.



Specialized tools

The tools currently receive technical approval in our service stations.



Vehicle AC systems

Reliable equipment for AC diagnostics and repair with proven efficiency.



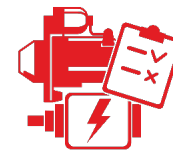
Brake calipers

Brake calipers diagnostics detects failures and shortens repair time.



Turnkey business

Ready-made solutions for car units diagnostics and repair.



Starters and alternators

Test benches and testers for quick and precise diagnostics, tools for repair.



Particulate filters

Equipment for particulate filters cleaning in cars and trucks



Training courses

Specialized course in car main systems repair developed by our professionals

POWER STEERING



MS604 – Test bench for power steering pumps

Test bench for diagnostics of single- and double-circuit pumps with mechanical drive. The test bench measures the flow and pressure parameters of working fluid under different speed, which allows to detect such faults as pump leaking, roar, body wear out, reducing valve sticking.



MS502M – Test bench for power steering racks

Test bench is intended for diagnostics of power steering racks, measuring flow and pressure parameters generated in power steering rack in any position of the shaft. The equipment detects the following failures: leak, wear out of seals, body and teflon rings.



MS505 – Test bench for power steering racks and gears

Test bench is used to determine if a repair of power steering racks is required, and to diagnose the units after repair. The test bench helps to detect the following failures: leak, faulty distribution valve, steering wheel effort drop.



MS603N - 12V – Flushing stand for power steering system

Test bench helps to flush power steering system during fluid changeout as well as to diagnose power steering system units (power steering pump and power steering rack) either directly in the car or to test the power steering rack disassembled from the car.

EPS



MS561 – Controller is intended for diagnostics of EPS racks, columns, and pumps with electric power steering

MS561 – Controller is intended for diagnostics of EPS racks, columns, and pumps with electric power steering. The device enables to put electric power steering unit into operation independently from the electric system of the car as well as to detect and to eliminate faults of electric power steering control unit. Separate part of EPS unit can be connected to the device to analyze failures. The device possesses an option to follow testing results realtime. All testing data are shown on LCD display. The testing procedure is quick and easy to perform. Besides diagnostics, the Controller contributes to more effective repair of a unit. The equipment meets the latest requirements of contemporary service centers. Due to its small dimensions it can be placed on a table.

MS550 – Adapter for testing steering racks without a control unit



Adapter is designed to test steering racks without a control unit (usually for Japanese car brands). MS550 enables to substitute the native control unit and to diagnose the electric part of the steering rack, namely: electric motor, position sensor, torque sensor.



MS570 - Electronics Repair Specialist Table

Table for electrical repair specialist for quality workplace. The table is adapted to work with MS561 controller – the main diagnostic equipment for EPS repair. It has two built-in laboratory power supplies, a place for an oscilloscope and a soldering station.

ALTERNATORS AND STARTERS



MS002 COM – Test bench for starters and alternators

Test bench is designed to test: 12V and 24V car alternators in two modes (under a load and at no load); starters in idle mode; controlled voltage regulators (dismantled from the alternator) with indication of errors in COM protocols. It helps to test main operation parameters of car units, to detect the cause of damage, and to carry out the unit test check after repair. Reliability and affordable price of the test bench compare it favorably with other similar market supplies.



MS004 COM – Test bench for starters and alternators

Test bench is designed to diagnose alternators, voltage regulators and starters with capacity of up to 4kW. It has small dimensions, runs off a single-phase 220V power supply, and thus can be successfully placed in both big service stations and small auto workshops. Membrane keypad of the control panel provides easy operation of the test bench.



MS006 COM – Test bench for 12/24V alternators

Test bench is used to diagnose 12/24V automotive alternators in assembly with voltage regulators in idle mode and under load at maximum rotation speed of 3000 rpm. It tests main operating parameters of alternators, detects the source of a possible error, helps to carry out after-repair control test. Simple construction, small dimensions, measured parameters accuracy and possibility to print out test results are the main features of the test bench.

TESTERS



MS012 COM – Tester for voltage regulators



Tester for diagnostics of voltage regulators detects failures of most voltage regulators with operating voltage of 12/24V under different load and preset parameters of rotor resistance. It has 4.3" touch screen, universal connection terminals and database update option. non recusandae. Ita que earum rerum hic tenetur a sapiente delectus, ut aut reiciendis

MS014 – Tester for alternator stator windings and diode bridges



This device combines two functions: it can test stator windings and diode bridges with no additional measuring devices as well as without unsoldering of certain semiconductors of the block. Operation principle of the tester involves measuring the difference in windings phase distortion.

MS013 COM – Adapter for testing voltage regulators



Adapter for testing voltage regulators can diagnose mechanisms in two ways:

- testing voltage regulators in assembly with the alternator (directly in the car or with the test bench that drives the car alternator);
- testing voltage regulators dismantled from the car.

MS031 – Tester for diagnostics of starter solenoids



The device is intended for diagnostics of 12/24V starter solenoids both apart from a starter and in assembly with it. Solenoid starter switch consists of pull-in and holding windings; it starts the electric motor of the starter and holds a pinion in mesh with a flywheel. MS031 enables to detect disconnections and turn-to-turn short circuits in solenoid coil.

AIR CONDITIONERS



MS111 – Test bench for AC compressors

Test bench is intended to test piston, axial-piston (with rotary wobble plate), rotary and scroll compressors of climate systems on R134a refrigerant.



MS101P – Flushing stand for AC system

Stand is used to cleanse pipelines of air conditioning systems in vehicles. Flushing is conducted through constant forced circulation of flushing fluid in the closed circuit.

SHOCK ABSORBERS



MS1000+ – Test bench for shock absorbers

Test bench allows to diagnose shock absorbers of all types, to detect a necessity to provide a maintenance and to carry out post-maintenance check. Test results are displayed on a touch screen of the test bench.

BRAKING SYSTEM



MS300 – Test bench for diagnostics of brake calipers

Test bench for diagnostics of brake calipers. The test bench is intended to diagnose brake calipers before and after repair. It helps to detect leak, drop of pressure under load. It allows to test performance of electromechanical drive of a hand brake.

DPF CLEANING



Why DP filter gets stuffed up? In diesel-powered vehicles covering short distances, particulate filter doesn't have enough time to warm up to working temperature at which carbon black particles accumulated inside could be unloaded from it. As a result, particulate filter becomes partly filled, and EECU (engine electronic control unit) activates a mode of automatic filter regeneration. It means that more fuel is injected into the engine to increase the temperature of exhaust gas to burn carbon black particles. But this mode cannot be activated in conditions of heavy urban traffic. Carbon particles contaminate DP filter, which leads to its poor performance. Contaminated diesel particulate filter requires urgent cleaning. That's why DPF cleaning is necessary for each car.

MS900 – DPF cleaning machine

Stand for cleaning of diesel particle filters. This is the device for cleaning DPF in cars, light, medium and heavy trucks, and other vehicles supplied with such filters. The machine effectively removes contaminating particles from particulate filters of any configuration simply through connecting of an appropriate fitting, and with no cutting, modifying or

DETAILED DESCRIPTION



Easy in the maintenance



It does not require constant presence of the operator during flushing



The multilingual interface



Software renovation



Connection of the any kind of printer



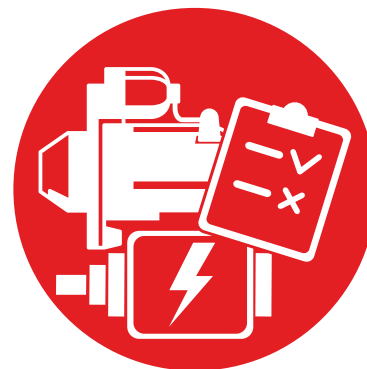
Customizable flushing modes for cars and trucks

SPECIAL REPAIR TOOLS



Special tools for HPS and EPS systems repair

Repair of HPS and EPS systems is our focus area. MSG Equipment specialists worked out a whole new line of tools for repair of steering racks. Specialized tools for repair and mechanical adjustment of EPS units help to preserve their integrity during mounting/dismounting operations.



Special tools for repair of starters and alternators

Techniques applied for alternators dismounting/mounting can vary, still some operations cannot be performed without tools for repair of starters and alternators. Servicing of such alternator brands as Valeo, Mitsubishi, MagnetiMarelli, DelcoRemy and etc. becomes easy with MSG Equipment tools.



Special equipment for repair of shock absorbers

Service life of shock absorbers depends on the way the car is used and the condition of the other parts of the suspension system. Shock absorbers wear out and subsequently are to be substituted or repaired. Renovation of the unit proved to be cost-efficient and worthwhile.



Special tools for repair of brake calipers

Tools for brake calipers repair are designed for quality and safe mounting/dismounting of a lever brake basket. Each device has been tailored for the most widely used caliper systems with parking brake mechanism. The tools are made of high-alloy steel and have long life.

TURNKEY BUSINESS



Turnkey business in repair of starters and alternators

MSG Equipment is glad to offer combined solutions for launching business in repair of starters and alternators. Today we can propose three business sets: “Basic set”, “Optimal set” and “Complete set”. The above-listed sets have different packages, and the payback period can also vary.



Turnkey business in repair of HPS racks and pumps

If you plan to launch a business in HPS systems repair, it's worth buying a turnkey business set, worked out by us with the account of estimated expenses and a scope of services. Business sets “Basic”, “Optimal” and “Complete” differ by their supply packages and payback periods.



Turnkey business in shock absorbers repair

MSG Equipment helps to launch business in repair of shock absorbers and struts. Two business sets are on offer: “Basic” and “Optimal”. We will provide insight into the technology of shock absorbers repair, due to which their operating resource can be restored back to its initial level.



Turnkey business in repair of vehicle air conditioners

After careful investigation of consumer demand, our specialists worked out complete solutions for automobile workshops in the form of business sets: “Optimal” and “Complete”. Which particular type of a business set is good for you, depends on your capabilities and on the goals you've set.



Turnkey business in repair of EPS racks and pumps

“Optimal” set is a formula to your business success! This set will help your specialists to carry out all-inclusive diagnostics and repair of EPS units. We guarantee high quality of our equipment and tools, and provide you with our training course in EPS systems maintenance and repair.



Turnkey business in brake calipers repair

What tools and equipment are necessary for a workshop specialized in calipers repair? MSG Equipment specialists are ready to offer you a turnkey solution! This business idea provides for an appropriate training course and assistance in selection of tools for work.

EDUCATION AND SUPPORT



We always progress ahead, striving for professional growth and development, that's why it is so important for us to help people to master this high-demand profession in the field of car maintenance and repair.

MSG Equipment specialists developed a special training program which can be adjusted according to the basic knowledge and skill of each individual. We will share all the accumulated practical experience on diagnostics and repair of automobile parts and units.

Training courses:

- Electric pumps of power steering systems and electric amplifiers (EPS);
- Starters and alternators;
- AC compressors;
- Shock absorbers and struts;
- HPS units;
- Brake calipers.

Technical support

We are interested in your success! We do not only sell the equipment and teach how to use it, we also provide insight into all the details of car diagnostics and repair. Technical support of MSG Equipment specialists is an integral part of cooperation.

CERTIFICATES



We received European CE certificate!

Equipment and tools by MSG Equipment comply with European standards and therefore have CE certificate. It's a huge step forward for the company and one more proof of high quality and safety of our products.

What does CE mean?

CE certificate proves that the equipment and tools by MSG Equipment are compliant with all the up-to-date safety standards, environment-friendly and not abusive for customers' health. The requirements above are regulated by EEC (European Economic Community) standards.

CE mark guarantees that MSG Equipment products are allowed for transportation to all the EU countries. CE mark has high credibility and is recognized even by the countries which are not members of the EU. Obtaining of this mark has been strategically important for our company's further success.

This certificate confirms reliability of the equipment and tools by MSG Equipment at all levels. It guarantees our product, i.e. equipment, full conformity to the EU standards.

Eurasian Conformity (EAC)



Conformite Europeen



UkrSEPRO

