



**Professional air conditioning service:**  
Bosch ACS 511 and ACS 611



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# ACS 511 and ACS 611: Completely automated air conditioning service units

The ACS 611 is one of the most advanced air conditioning service units for cars and trucks. Like all completely automated Bosch units, it is designed to carry out the maintenance of R-134a-based air conditioning systems with a minimum of manual intervention. The unit automatically controls every phase of maintenance, including oil and coolant recovery, recycling and refilling without needing direct intervention from a technician. However, the manual mode allows the user to control all aspects individually if so desired. The powerful, two-phase vacuum pump of the ACS 611

assures quick and effective evacuation of the system and, as with all Bosch units, it comes equipped with a data base to provide the necessary oil and coolant quantities for the vehicle's air conditioner. The ACS 611 also has an integrated printer to create detailed reports. As an alternative for garages with low service levels, we offer our ACS 511 model, which has a less powerful compressor yet still meets the requirements for a professional A/C service and without any compromise to the high quality one expects from Bosch units.

## Dual operational mode:

- ▶ Quick access or detail mode possible
- ▶ Automated management of recovery and recycling
- ▶ Manual or automated use
- ▶ Multi-phase recycling
- ▶ Programmable vacuum phase
- ▶ Automated re-filling
- ▶ Integrated, guided pressure test for the system
- ▶ Automated oil recovery and filling
- ▶ Automated UV dye injection
- ▶ Automated removal of non-condensable gasses
- ▶ Programmable maintenance
- ▶ Multi-lingual software
- ▶ Intelligent filling quantity control
- ▶ Integrated flushing program
- ▶ Data transfer with Smart Key

## Order number:

ACS 611: S P00 000 002

ACS 511: S P00 000 001



Professional air conditioning service guarantees quick and precise maintenance.

# ACS 511 and ACS 611

## Technical data, Primary functions

	ACS 611	ACS 511
Refrigerant	R-134a	R-134a
Unit for recovery, Recycling and refilling	Completely automated	Completely automated
Flushing kit	Optional kit	Optional kit
Electronic database	Standard	Standard
AC performance test	Yes	Yes
Electricity supply	230 V 50/60 Hz	230 V 50/60 Hz
CE mark	Yes	Yes
SAE J2788 standard	–	–
Manual processing mode	Yes	Yes
Automated leak test	Yes	Yes
Automated oil drain	With electronic scales	With electronic scales
Automated oil injection	With electronic scales	With electronic scales
Automated UV dye injection	Yes	Yes
Manometer	80 mm class 1	80 mm class 1
Tank manometer	40 mm	40 mm
Service hoses	244 cm / SAE J2196	244 cm / SAE J2196
LCD display with background lighting	Yes / 80 digits	Yes / 80 digits
User guide	20 languages	20 languages
Printer	Yes	Yes
Hermetic high performance compressor	1/3 HP	1/4 HP
Vacuum pump	170 l/min	70 l/min
Internal supply tank	20 kg	8 kg
Precision of the scales	+/- 5 g	+/- 5 g
Oil bottle	2x 250 ml	2x 250 ml
High performance dry filter	710 cc	300 cc
Recycling multi-pass	Automatic	Automatic
Power	800 W	550 W
Working temperature	+10°C – 50°C	+10°C – 50°C
Humidity	20 – 75%	20 – 75%
Transport and storage temperature	- 25°C – 60°C	- 25°C – 60°C
Dimensions	1270 × 690 × 660	1270 × 690 × 660
Weight	120 kg approx. with empty tank	90 kg approx. with empty tank

# Bosch: Bringing you the workshop of the future

For over 125 years, Bosch innovations have been keeping vehicles on the road and getting people to and from their destinations while improving safety and peace of mind along the way.

Bosch Automotive Aftermarket offers workshops and retailers a comprehensive portfolio of products that is unmatched worldwide:

- ▶ Efficient diagnostics
- ▶ Innovative workshop equipment
- ▶ Quick, reliable delivery
- ▶ The world's most comprehensive range of spare parts – including both new and remanufactured
- ▶ Workshop concepts to meet every requirement
- ▶ Comprehensive training
- ▶ Targeted sales and marketing support
- ▶ A competent service hotline
- ▶ 24-hour online workshop services
- ▶ Affordable leasing services for workshop equipment and software

When it comes to scheduling, organizing, and finding results, our solutions are combined with additional services to ensure your needs will be perfectly met, helping you to maximize your potential.

## Workshop tip:

When servicing an air conditioning system, we suggest changing the cabin filter because the service is only complete and noticeable to your customers with a new filter.

## Robert Bosch GmbH

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AA-AS/MKC.02.2013 X XXX XXX XXX The right to make changes of a technical nature and to alter the range on offer is reserved.

**Perfect:** The cabin filter program from Bosch for almost all vehicle types increases passenger comfort, safety, and health protection:

- ▶ Provides filtration of dirt particles, exhaust gases, and ozone
- ▶ Helps to eliminate front windshield deposits for improved visibility



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