



Perfection for Professionals:

Air conditioning Service with
Bosch ACS 751 and 651



BOSCH

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ACS 651 and ACS 751: Professional AC Service Equipment for Cars & trucks



The new high precision measuring technology equipments, ACS 651 and ACS 751, meets various requirements of Garage's and OEM's in UK and Ireland. These fully automatic AC service equipments provide Quick, Precise and Good quality AC service.

Fully automatic service:

The unit performs all of the following service tasks without the need for manual intervention: Refrigerant recovery, Refrigerant recycling, used oil drain, vacuum and associated leak test, recharge of fresh oil with UV additives and Refrigerant recharge.

In addition to fully automatic service, manual selection of individual service modes is possible for various AC trouble shooting. This ensures flexibility during vehicle AC service.

Perfect air conditioning service for cars and trucks:

The ACS 651/751 is suitable for fully automatic maintenance and service work on most car and trucks air conditioning system. Integrated vehicle database for cars and trucks ensure quick and easy selection of vehicle AC parameters before start of service.

Service of hybrid and electric vehicles

Two separate fresh oil circuits make service possible on vehicles with combustion engines as well as hybrid and electric vehicles. The internal technical design ensures no oil contamination during AC service, making it completely reliable for any vehicle with R134a refrigerant.



ACS 651 and ACS 751:

Key features and corresponding user benefits

Key Features	User Benefits
▶ SAE J-2788 certification for ACS 751	▶ Highest achievable accuracy during AC service ▶ Meets environmental standards
▶ Fully automatic service procedure	▶ Complete service possible without manual intervention ▶ Saves additional labour costs
▶ Manual selection of individual service mode	▶ Flexibility during AC troubleshooting and maintenance
▶ High performance vacuum pump ▶ Refrigerant recovery > 90%; precise recharge; ▶ Individual weight scales for Fresh oil, used oil, UV dye and refrigerant ▶ Self test before initial start up; timely display of pending maintenance ▶ Filter drier lock out after exceeding allowed limits; inline filter directly at hose	▶ Quick, Precise and Good quality service
▶ Service Hybrid/Electric vehicles without oil contamination	▶ One equipment investment to cover all Cars/trucks with R134a
▶ Integrated vehicle database for cars and trucks	▶ Quick vehicle selection, Quick start function ▶ Regular timely updates provided for all new vehicle models
▶ "Expert" oil bottle included as standard	▶ No reaction of oil to external moisture ▶ Precise oil recharge ensures no possible damage to Vehicle AC compressor
▶ New external housing design with Innovative trolley concept	▶ Maximum operator convenience
▶ Service hatches on either sides for easy access to maintenance parts ▶ Simplified maintenance procedure for calibration and other routine maintenance	▶ Easy serviceability
▶ Integrated Printer	▶ Documentation for future reference or follow up
▶ Integrated standard and extended flushing program	▶ Fulfils specific needs of garage
▶ Wide range of accessories	▶ Complements AC troubleshooting, maintenance and service



ACS 651 and ACS 751:

Technical Data

Technical data	ACS 751	ACS 651
Operation		
Pressure gauge for HP/LP	100 mm	100 mm
Indication of internal bottle pressure	on display	on display
Record print out on printer	Yes	Yes
Status display	optical/acoustic	optical/acoustic
Integrated vehicle database	Pass. cars/trucks	Pass. cars/trucks
Recovery / Recycling / Recharge		
Refrigerant	R134a	R134a
Internal supply tank	22 l, PED-certified	22 l, PED-certified
Recovery rate	> 95 %	> 94 %
Extraction capacity	18 kg / h	18 kg / h
Vacuum pump capacity	7.9 m ³ /h	7.9 m ³ /h
Filter drier capacity	75 kg	75 kg
Recharge accuracy	+/- 10 g	+/- 10 g
Oil/UV dye/ used oil		
Oil	PAG / POE*	PAG / POE*
Bottle (size 250 ml)	1 expert bottle, 3 HDPE bottles	1 expert bottle, 3 HDPE bottles
General device data		
Weight	110 kg	110 kg
Dimensions (L x W x H)	725 x 652 x 1277 mm	725 x 652 x 1277 mm
Current supply	230 V	230 V
Operating temperature	5 - 50 °C	5 - 50 °C
USB port	Yes	Yes
Service hatches	2 hatches (one left, one right)	2 hatches (one left, one right)
Vibration-resistant scales	Yes	Yes
Certification		
	CE / PED/SAE J-2788	CE / PED
Part numbers		
	F002DG04AA	F002DG04DA

* separate circuits

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