

## ECAS3 REPLACES ECAS1 – FINAL PHASE OUT OF ECAS1 SOLENOID VALVES

WABCO's introduction of its Electronically Controlled Air Suspension System (ECAS) has been a major driver behind the commercial vehicle industry adopting the electronically controlled chassis. From its market launch until today, WABCO has continuously improved the quality and reliability of the ECAS system by introducing new components and functions.

Because of this continued product improvement, we want to phase out "older" product versions. The first generation of ECAS1 solenoid valves introduced in the 1980s will now be replaced by ECAS3. The focus is on a smooth phase-out of ECAS1 solenoid valves.

Below you will find information about the new ECAS3 part numbers and repair kits. All ECAS3 valves and repair kits in the list are available. ECAS1 will no longer be available by early 2016, so start ordering ECAS3 now. Don't hesitate to get in touch with your WABCO contact if you have any questions.



ECAS3 solenoid valve 472 880 xxx 0

### DIFFERENCES BETWEEN ECAS1 AND ECAS3 SOLENOID VALVES

WABCO's ECAS solenoid valves have proven their contribution to vehicle safety and efficiency in millions of applications thanks to their high reliability, low air consumption and compact dimensions.

In addition to these benefits, WABCO's ECAS3 offers several key advantages over ECAS1 valves:

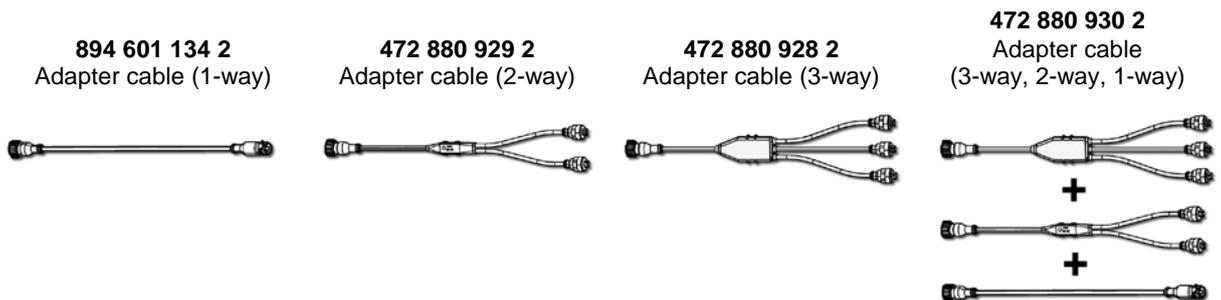
- The design and assembly improvements of ECAS3 valves offer improved robustness and reliability
- ECAS3 solenoid valves offer improved water and dust tightness, translating into higher resistance against environmental conditions
- The optimised design of ECAS3 valve components provides weight advantages which translate into fuel savings and/or additional payload

### OVERVIEW OF REPAIR KIT TYPES

A smooth changeover from an ECAS1 to an ECAS3 valve requires specific repair kits. You would need up to 3 repair kits to assure proper integration of the ECAS3 valve in the ECAS system of a vehicle. The repair kit types are shown below, grouped by their function.

#### Solenoid valve connection

Repair kits are used to enable the transition from a M27 single solenoid type (ECAS1) to DIN bayonet solenoids (ECAS3).

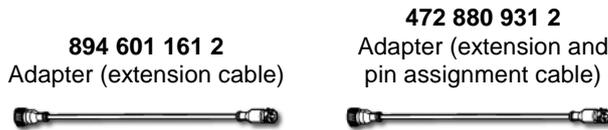


## Electrical connection

Repair kits assure the proper electrical port connection.

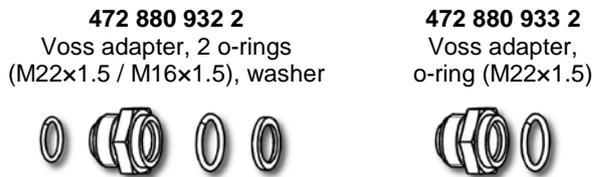
The repair kit 894 601 161 2 works as an extension and sets the pin assignments in the appropriate way.

The repair kit 472 880 931 2 - without extension - also converts the pin assignment in a socket.



## Voss connection

Specific ECAS1 variants have a M16x1.5 Voss pneumatic supply port while the ECAS3 are equipped with an M22x1.5 Voss port. The repair kits enable a reduction from M22x1.5 to M16x1.5 and assure tightness. The existing pneumatic connection of the vehicle can be used.



## Pneumatic connection

Specific ECAS1 valves have standard metric threads on all air ports while all ECAS3 valves have Voss metric connector threads. For these valves, the repair kit 472 900 931 2 must be used to make the air connection tight.



## ECAS1 VALVE REPLACEMENT SOLUTION

The table below shows the easy replacement solution of old ECAS1 valve variants with new ECAS3 valves using dedicated WABCO repair kits (ECAS 3 valve and listed repair kits required):

ECAS1 valve	ECAS1 valve replacement			
	ECAS3 valve	Repair kit	Repair kit	Repair kit
472 900 001 0	472 880 001 0	472 880 928 2	-	-
472 900 001 7	472 880 001 0	472 880 928 2	-	-
472 900 008 0	472 880 001 0	472 880 928 2	-	-
472 900 008 7	472 880 001 0	472 880 928 2	-	-
472 900 014 0	472 880 001 0	472 880 928 2	-	-
472 900 012 0	472 880 001 0	472 880 928 2	472 900 931 2	-
472 900 002 0	472 880 001 0	472 880 928 2	472 900 931 2	-
472 900 030 0	472 880 030 0	472 880 929 2	-	-
472 900 033 0	472 880 030 0	472 880 929 2	-	-
472 900 034 0	472 880 030 0	472 880 929 2	-	-
472 900 032 0	472 880 030 0	472 880 929 2	472 900 931 2	-
472 900 050 0	472 880 065 0	472 880 930 2	472 900 931 2	472 900 931 2

ECAS1 valve	ECAS1 valve replacement			
	ECAS3 valve	Repair kit	Repair kit	Repair kit
472 900 050 7	472 880 065 0	472 880 930 2	472 900 931 2	472 900 931 2
472 900 059 0	472 880 065 0	472 880 930 2	-	-
472 900 101 0	472 880 106 0	472 880 928 2	472 880 928 2	-
472 900 104 0	472 880 106 0	472 880 928 2	472 880 928 2	-
472 900 105 0	472 880 105 0	472 880 928 2	472 880 929 2	-
472 900 021 0	472 880 020 0	472 880 933 2	894 601 134 2	-
472 900 021 7	472 880 020 0	472 880 933 2	894 601 134 2	-
472 900 054 0	472 880 020 0	472 880 933 2	-	-
472 900 074 0	472 880 020 0	472 880 933 2	894 601 161 2	-
472 900 022 0	472 880 020 0	472 880 932 2	472 900 931 2	894 601 134 2
472 900 064 0	472 880 020 0	472 880 932 2	472 900 931 2	-
472 900 061 0	472 880 030 0	472 880 931 2	-	-
472 900 112 0	472 880 105 0	472 880 931 2	-	-
472 900 113 0	472 880 105 0	472 880 931 2	-	-
472 900 056 0	472 880 065 0	894 601 161 2	894 601 161 2	-
472 900 057 0	472 880 055 0	894 601 161 2	-	-
472 900 110 0	472 880 105 0	894 601 161 2	-	-
472 900 114 0	472 880 106 0	894 601 161 2	-	-

ECAS1 valve	ECAS1 valve replacement	
	ECAS3 valve	Repair kit
472 900 053 0	472 880 001 0	-
472 900 060 0	472 880 001 0	-
472 900 062 0	472 880 001 0	-
472 900 055 0	472 880 030 0	-
472 900 063 0	472 880 001 0	472 900 931 2
472 900 065 0	472 880 030 0	472 900 931 2

Information on WABCO products can be found in our [INFORM](http://inform.wabco-auto.com) product catalogue (inform.wabco-auto.com) by entering the product number in the "Product Number" search field.

Please contact your [WABCO partner](http://www.wabco-auto.com/findwabco) for further information (www.wabco-auto.com/findwabco).