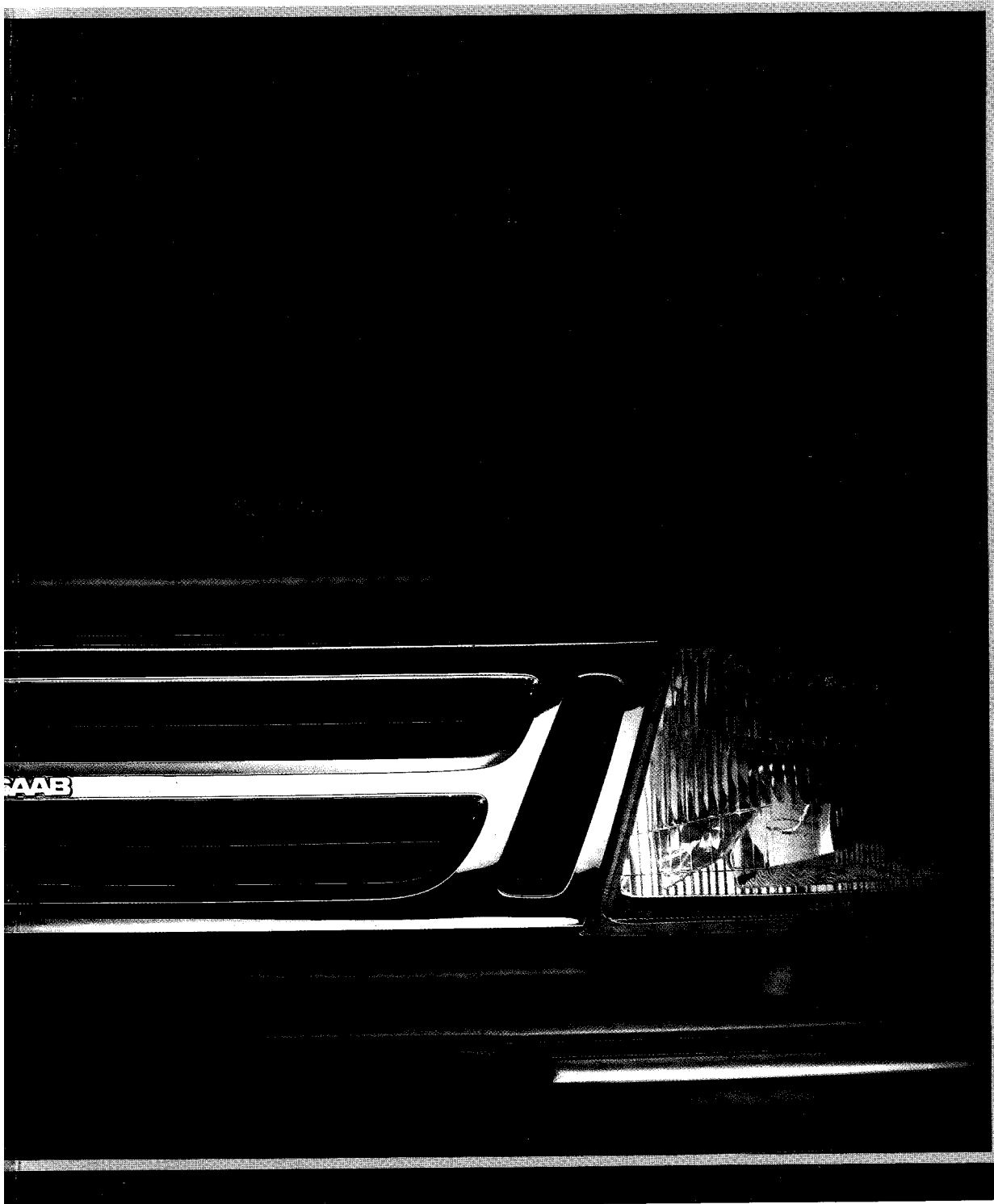


Saab 900

SERVICE MANUAL



SAAB

2:3 CUI4 Fuel-injection system

M1990-

Saab 900

SERVICE MANUAL

2:3 CU14 Fuel-injection system M 1990–

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Units

The basic and derived units used throughout the Service Manual are in accordance with the SI system.

For users not familiar with the SI units, some non-Continental units are given in brackets after the respective SI unit.

The following symbols and abbreviations are used:

SI unit	Equivalent unit and symbol
mm	inch (in)
kg	pound (lb)
N	pound-force (lbf)
Nm	pound-force foot (lbf ft)
bar	pound-force per square inch (lbf/in ²) (Also abbreviated: psi)
l (liter)	US liquid quart (liq qt) (Also abbreviated: qts)
	US gallon (USgal)
°C	°F

Conversion factors

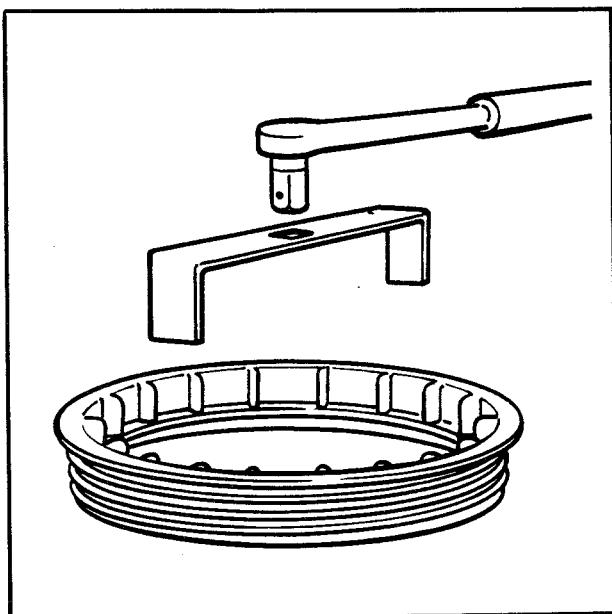
1 in = 25.4 mm	1 mm = 0.039 in
1 lbf = 4.45 N	1 N = 0.23 lbf
1 lbf ft = 1.36 Nm	1 Nm = 0.74 lbf ft
1 psi = 0.07 bar	1 bar = 14.5 lbf/in ²
1 liq qt = 0.95 l	1 l = 1.05 liq qt
1 US liq qt = 0.83 UKqt	1 USgal = 0.83 UKgal
°F = °C x 9/5 + 32	°C = (°F - 32) x 5/9

Market codes

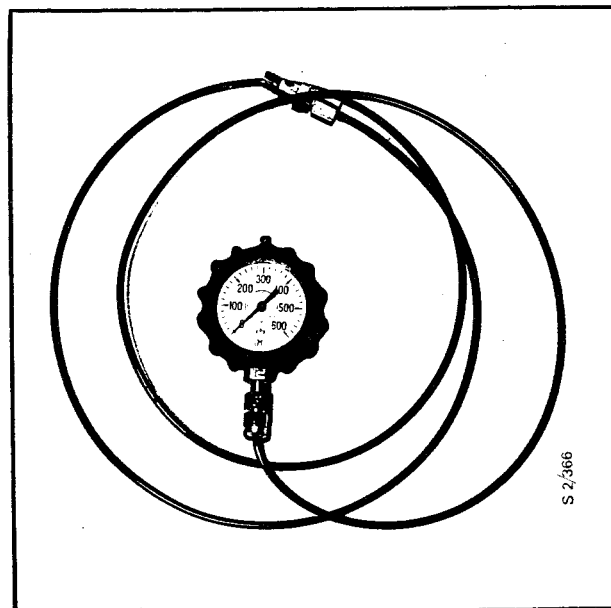
The codes refer to market specifications

AT	Austria	FR	France
AU	Australia	GB	Great Britain
BE	Belgium	GR	Greece
CA	Canada	IS	Iceland
CH	Switzerland	IT	Italy
DE	Germany	JP	Japan
DK	Denmark	ME	Middle East
ES	Spain	NL	Netherlands
EU	Europe	NO	Norway
FE	Far East	SE	Sweden
FI	Finland	US	USA
		UC	US California

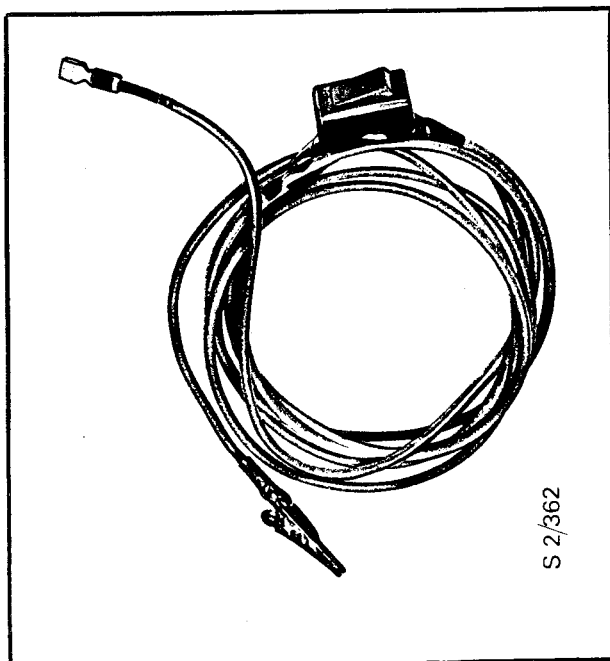
Special tools



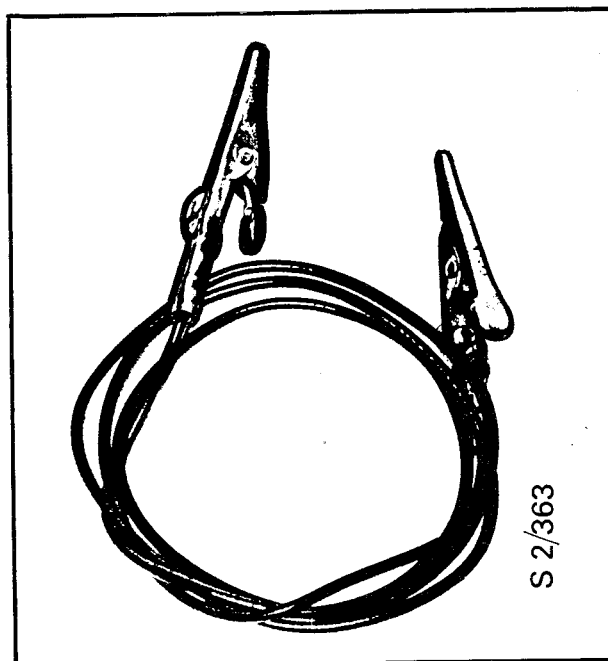
83 94 462 Key for fuel pump screw top



83 93 852 Pressure gauge for measuring fuel pressure



83 93 886 Switched test lead



83 93 894 Test lead with clips

Technical data

Fuel system

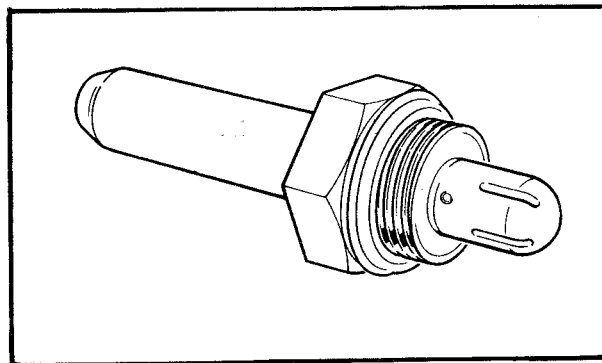
System pressure	bar (psi)	3.0 (43) above pressure in inlet manifold
Residual pressure (engine off)	bar (psi)	2.8 (40)

Temperature sensor (NTC resistor)

Resistance at: 0°C (32°F)	ohm	5700 - 5900
20°C (68°F)	ohm	2400 - 2600
40°C (104°F)	ohm	1100 - 1300
60°C (140°F)	ohm	500 - 700
80°C (176°F)	ohm	300 - 400

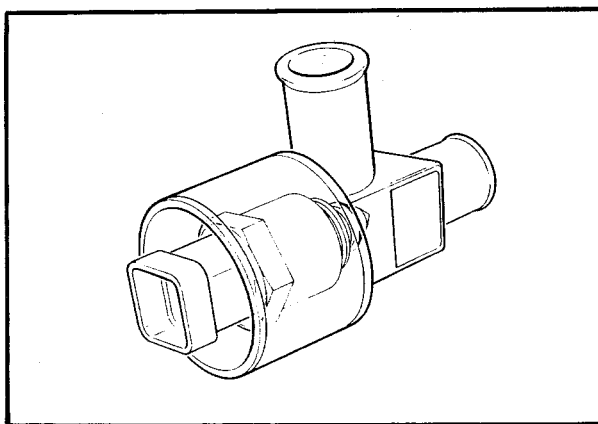
Road speed sensor

Signal voltage	V	0.5 - 11
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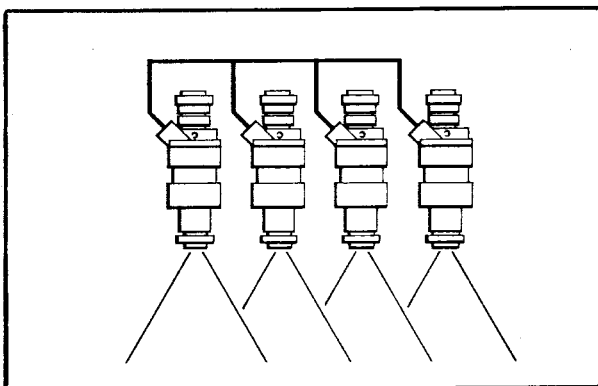
Lambda sensor

Resistance of preheater resistor	ohm	<10
Signal voltage	V	0-1



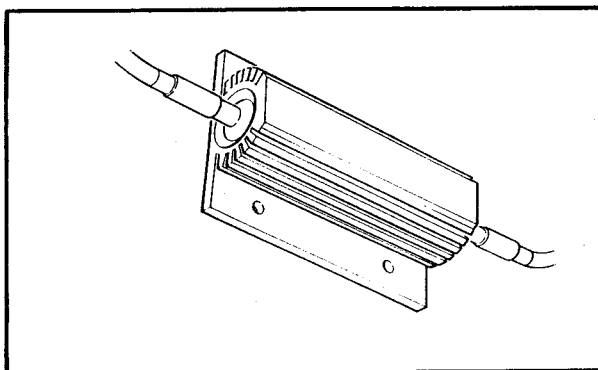
AIC valve

Resistance in winding (pins 1 - 26)	ohm	40 - 60
in winding (pins 28 - 29)	ohm	40 - 60



Injectors

Resistance at 20°C (68°F)	ohm	2.0 - 2.8
Delivery flow	ml/30s	108 - 132



Ballast resistor

Resistance	ohm	2 - 3
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