

Workshop Manual Golf, Jetta, Scirocco.

Heating, Air Conditioner.

December 1979 Edition.

Service Department.

Workshop Manual Golf, Jetta, Scirocco.

Heating, Air Conditioner.

December 1979 Edition.

**Supersedes the August 1976 Edition
of the Golf/Scirocco Manual.**

The manual is divided into separate booklets.

This manual is valid for the Golf and Scirocco from the start of production (Scirocco from March 1974, Golf from May 1974 and Jetta from August 1980).

It describes all the operations which require special instructions to ensure satisfactory work.

Layout of booklets

Each booklet has the contents listed according to repair operations and items to make it easy to find the information required. In the repair operations list, the special tools and workshop equipment required for each operation are given.

This list also shows which tools have Audi alternative tools and vice versa.

The technical data is followed by a description of the repair operations. Where practical, each operation is preceded by an exploded view which also contains all the main repair instructions. This is supplemented, where necessary, by photographs - which are referred to in the exploded view - giving details of the fitting positions of parts or showing special tools in use. If a definite sequence has to be followed when dismantling and assembling a component, the exploded view

is followed by a description of the main steps of the work sequence. Any adjustments required are also explained.

Workshop Bulletins

Workshop bulletins will be allocated to the individual booklets and should be filed at the back of the booklet concerned. To remind you that bulletins have been published, the manual pages should be marked by hand with the bulletin number as explained in the bulletin heading.

Fault finding

General fault finding instructions are given in the workshop manual and in addition to this the following fault finding leaflets have been published:

- Carburetor engines; Diesel engine;
- K-Jetronic engines; Automatic gearbox;
- Swedish exhaust control 1976.

Instructions on the elimination of current defects are given in the "Service HANDBOOK" and the "Fault Finding Handbook".

Technical information should always be made available to all foremen and mechanics because compliance with the instructions given is essential to ensure vehicle roadworthiness and safety. In addition, the normal safety precautions to be observed when working on motor vehicles are also applicable.

This Workshop Manual is intended only for internal use within the V.A.G organisation and is not to be passed on to any other person or persons.

© 1979 VOLKSWAGENWERK AKTIENGESELLSCHAFT, Wolfsburg
All rights reserved.

Printed in Germany
0.00.537.811.20

Contents

CONTENTS LISTED ACCORDING TO REPAIR OPERATIONS; SPECIAL TOOLS

Operation No.	Repair	Page	VW/Audi Special Tools	Workshop equipment
80 13 15 ..	Adjusting heater control cable	1, 4		
80 13 19 ..	Removing and installing heater control cable	1, 4		
80 15 19 ..	Removing and installing regulator valve	1, 4, 10		
80 18 19 ..	Removing and installing fresh air blower	1, 4, 10		
80 23 19 ..	Removing and installing heat exchanger	1, 4, 10		
80 30 19 ..	Removing and installing refrigerant hose	1, 4		
85 10 19 ..	Removing and installing fresh air and heater control	1, 4		
85 11 19 ..	Removing and installing fresh air control cable	1, 4		
85 15 19 ..	Removing and installing fresh air box	1, 4, 10		
85 23 19 ..	Removing and installing fresh air blower switch	4		
85 30 19 ..	Removing and installing fresh air blower motor	1, 4, 10		
87 01 01 ..	Checking air conditioner	42, 49		Thermometer Vacuum gauge
87 12 19 ..	Removing and installing temperature switch	23, 28		Ohmmeter
87 25 19 ..	Removing and installing Vee belt	16-22		5/8" x 18 UNF
87 40 19 ..	Removing and installing compressor bracket	16-22		5/8" x 18 UNF
87 68 19 ..	Removing and installing air conditioner blower	10		
87 72 19 ..	Removing and installing air vents	10		
87 75 19 ..	Removing and installing left hand air duct	10		

ALPHABETICAL INDEX

	Page		Page
Air conditioner charging and evacuating valves . . .	8	-Heater, servicing	1, 4, 10, 14
Air conditioner, opening and evacuating	9	Heat exchanger, removing and installing	
Air conditioner, servicing controls		● up to 1976 Model Year	2
up to 1979 Model Year	23	● from 1977 Model Year	4
● from 1980 Model Year	28	Heat exchanger for air conditioner, removing and installing	10
Air conditioner micro switch, adjusting		Heater cable, adjusting	
● up to 1979 Model Year	23	● up to 1976 Model Year	1
● from 1980 Model Year	28	● from 1977 Model Year	5
Air conditioner cables, adjusting		Instruction regarding general repairs on vehicles with air conditioner	9
● up to 1979 Model Year	13	Receiver for air conditioner	8
● from 1980 Model Year	14	Repairs to the air conditioner which can only be carried out by specially equipped workshops	8
Additional current flow diagrams		Repairs to the air conditioner and ventilation systems, which are possible without any special equipment	
● up to 1977 Model Year	30	● up to 1979 Model Year	10
● from 1977 Model Year	32	● from 1980 Model Year	14
● from 1978 Model Year	34	Regulator valve, removing and installing	1, 4, 10
● from 1979 Model Year	36	Safety precautions when working on vehicles with air conditioner or when handling refrigerant	7
● from 1980 Model Year	38	Temperature switch, removing and installing	
Cover, removing and installing		● up to 1979 Model Year	23
● up to 1979 Model Year	1	● from 1980 Model Year	28
● from 1980 Model Year	4	Vacuum hose layout	
Cover for air conditioner	10	● up to 1979 Model Year	40
Compressor bracket, removing and installing		● from 1980 Model Year	41
● up to 1977 Model Year	16	Vacuum unit, removing and installing	
● from 1978 Model Year	20	● up to 1979 Model Year	10
● from 1979 Model Year — Golf/Diesel	20	● from 1980 Model Year	14
● from 1979 Model Year	22	Vacuum system, checking	
Cooling function, checking		● up to 1979 Model Year	42
● up to 1979 Model Year	46	● from 1980 Model Year	49
● from 1980 Model Year	53	Vacuum distributor, removing and installing	
Control flap	4	● up to 1979 Model Year	23
Cut-off flap, removing and installing	4	● from 1980 Model Year	28
Direct ventilation	1	V belt, removing, installing/adjusting	
Evaporator housing, dismantling and assembling	10	● up to 1977 Model Year	16
Fault Finding Instructions — air conditioner		● from 1978 Model Year	18
● up to 1979 Model Year	42	● from 1979 Model Year (Golf Diesel)	10
● from 1979 Model Year	49	● from 1979 Model Year	22
Fresh air blower for heater, removing and installing		V belt adjusting pulley, adjusting	22
● up to 1976 Model Year	3		
● from 1977 Model Year	4		
Fresh air blower for air conditioner, removing and installing	10		
Fresh air box, removing and installing			
● Heater	1		
● Air conditioner	10, 14		
Fresh air flap, removing and installing	1, 4		
Fresh air and heater controls, removing and installing			
● up to 1976 Model Year	2		
● from 1977 Model Year	5		
Fresh air blower switch, removing and installing	4, 14		