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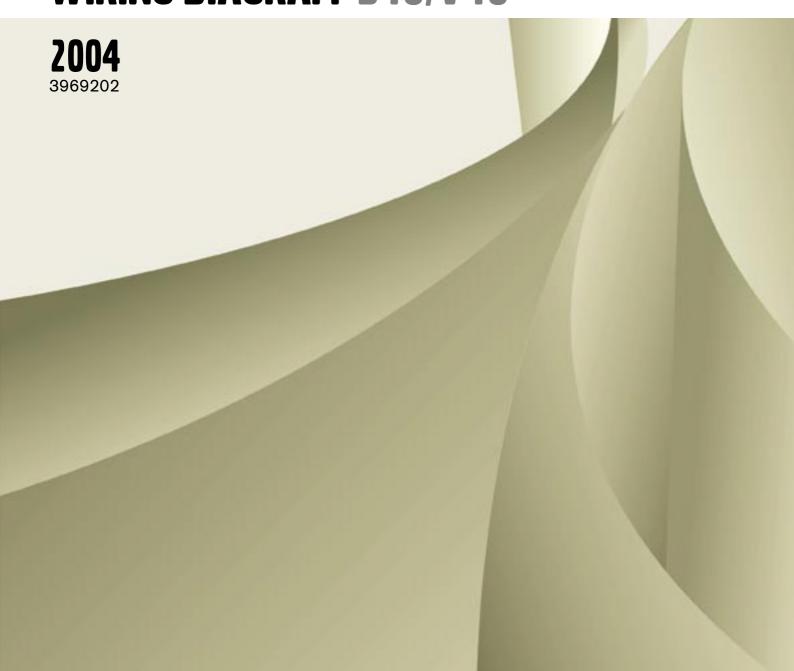
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WIRING DIAGRAM S40/V40



Cars with SRS (Airbag)/SIPS bag/IC (Inflatable curtain)

Warning!

Vehicles equipped with SRS/SIPS bag/IC must be handled with extra care when making repairs. This avoids:

- 1. Personal injuries when performing repair work.
- 2. Damage or malfunction of the SRS/SIPS bag/IC system.

Work involving the SRS/SIPS bag/IC systems or other components in the vehicle that may affect the SRS/SIPS bag/IC systems must always be performed by an authorized Volvo workshop.

In case of doubt, consult the SRS and SIPS bag/IC service manual.

Is the vehicle equipped with SRS/SIPS bag/IC?

Vehicles with SRS are most easily recognized by the letters SRS in the center of the steering wheel. If the vehicle has a passenger side airbag, the letters SRS are stamped on the dashboard above the glove compartment. SRS Vehicles from 1993 and onward also have explosive seat belt tensioners. SIPS bags are only installed on SRS Vehicles from 1995 and onward. SIPS bag decals are located on the windshield and seat compartment. Vehicles with IC can be recognized by the letters IC on the C/D panel (4 door) or the B panel (5 door).

General recommendations

- Be especially careful when working on or around SRS, SIPS, and IC components.
- Make sure that no wires are pinched, frayed, or pierced.
- · Never install accessories by the sensors.
- Where applicable, work on the steering wheel, steering shaft, or steering gear must be done in accordance with the methods in the SRS section of VADIS.
- Certain components of the aforementioned systems must be grounded while working. Read the appropriate sections in VADIS.
- Install no accessories in the areas between the A and B posts, the B and C posts, and the C and D posts.

Test terminal

Data link connector in the passenger compartment.

Modifications introduced up to March 2003.

Any changes made to the vehicles after this date are not included in the manual. If necessary refer to service bulletins.

Volvo models are sold in versions adapted for different markets. These adaptations depend on factors such as legal requirements, taxation, and market demands.

This manual may therefore include illustrations and text that do not apply to the vehicles in your country.

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Replaces previous manual TP 3969201

Abbreviations

Groups		Other	
Group 23	= Fuel system	ABS	= Anti-lock Brake System
Group 26	= Cooling system	A/C	= Air conditioning
Group 27	= Engine controls	AUTO	= Automatic transmission
Group 32	= Generator and voltage regulator	D	= Driver
Group 33	= Starting system	ECC	= Electronic climate control system
Group 35	= Lighting	EH	= Engine heater
Group 36	= Additional electrical equipment	EMS 2000	= EMS 2000 Engine management system
Group 37	= Wiring and fuses	FL	= Front left
Group 38	= Instruments	FR	= Front right
Group 39	= Other	GND	= Ground
Group 43	= Transmission	HL	= High level of equipment
Group 52	= Vacuum hydraulic brake system	L	= Left
Group 59	= Brake system	LH	= Left-hand side
Group 83	= Doors and openings	LHD	= Left-hand drive
Group 84	= Exterior decorative elements etc.	LL	= Standard level of equipment
Group 85	= Interior equipment	LPG	= Liquefied petroleum gas
Group 87	= Climate controls	MAN	= Manual transmission
Group 88	= Internal equipment	MELCO	= Melco engine management system
		Р	= Passenger
Countries/I	Markets	PETROL	= Gasoline
_	= Austria	PH	= Parking heater
A AUS	= Australia	R	= Right
В		REC	= Receiver
CDN	= Belgium = Canada	RH	= Right-hand side
CDN	= Switzerland	RHD	= Right-hand drive
D	= Germany	RL	= Rear left
DK	= Denmark	RR	= Rear right
E	= Spain	SRS	= Airbag
EU/OS	= Markets outside USA and Canada	T	= Turbo engine
FIN	= Finland	TRANS	= Transmitter
GB	= Great Britain	TURBO	= Turbo engine
ISR	= Israel	XENON	= Xenon lamps
J	= Japan		
KOR	= Korea	Colors	
N	= Norway	BL	= Blue
NL	= Netherlands	BN	= Brown
S	= Sweden	GN	= Green
USA	= United States of America	GR	= Gray
WEU	= Western Europe	OR	= Orange
		P	= Pink
		R	= Red
		SB	= Black
		VO	= Violet
		W	= White
		Ϋ́	= Yellow
		*	· ·

How to use the wiring diagrams

The descriptions below apply in general to all wiring diagram manuals, although not all sections are necessarily contained in this manual.

A. Component designation

Every component has a component designation that consists of two parts.

The first part is a type number that describes the type of component in question, for example 3/xx.

The second part of the designation is a serial number, for example, x/2.

Combined these give a component designation, for example, 3/2.

At the end of the manual is a list of components, where, with the help of the component designation, you can read off the name of the component, for example, 3/2 = light switch.

List of type numbers

The list shows which type of component that respective type numbers refer to, for example, 3/x = switch, 6/x = electric motor, etc.

- 1 Battery
- 2 Relay
- 3 Switch
- 4 Control module
- 5 Driver information module
- 6 Electric motor
- 7 Sensor
- 8 Actuator
- 9 Heating element
- 10 Light
- 11 Fuse
- 15 Distribution rail
- 16 Audio
- 17 Service/diagnostics
- 18 Contact reel
- 19 Meter
- 20 Ignition component/shunt
- 31 Ground connection
- 43 Junction point
- 44 Connector

B. Junction points

The wiring diagrams contain numbered junction points, e.g. 43/352.

This manual contains a section with a list of junction points. This list shows all the components which are connected to each junction point.

The location of the junction points is shown in the "Cable harness routing in vehicle" section.

C. Connectors

Connectors provide a bridge between two cables harnesses and are described in the "Connectors" section.

D. Electrical distribution

Operation of the fuses and relays is shown in the "Electrical distribution" section.

E. Data communication

Today's cars are equipped with a CAN network, which transmits information. Connections to this network are shown in their entirety on the respective wiring diagrams. Complete information on CAN communication is can be found in the section titled "Data communication"

F. Abbreviations

A number of different abbreviations are used in the manual. These are explained in the section "Abbreviations".

G. Component location

There is a section at the end of the manual in which the appearance and location of components is described in numerical order.

