



Volvo V40
(2002-2003)



Wiring Diagrams and Electric Model Year 2003

Abbreviations	3
How to use the wiring diagrams.....	4
Overview	6

Fuses

Engine compartment 11A/1-8	8
Engine compartment 11A/9-11	9
Engine compartment 11A/12-17	10
Engine compartment 11A/18-23	11
Engine compartment 11A/24-31	12
Passenger compartment 11B/7-10	14
Passenger compartment 11B/11-14	15

Relays

Engine compartment 1-9, misc.....	16
Passenger compartment 1-7, misc.....	17

Distribution rails

15/1 - 15/3	18
15/4 - 15/6	19
15/5 - 15/6	20
Ignition switch	21

Ground connections

31/1 - 31/4	22
31/4 - 31/7	23
31/7 - 31/10	24
31/11 - 31/15	25

Control modules

Overview	26
----------------	----

Group 23

Engine management system, EMS 2000	28
Engine management system, EMS 2000 Turbo	30
Engine management system, Bifuel	32
Engine management system, Melco 2	34
Engine management system, Diesel	36

Group 26

Electric cooling fan/ AC compressor EMS 2000	38
Electric cooling fan/ AC compressor Melco 2	39
Electric cooling fan/ AC compressor Diesel	40

Group 27

Cruise control, EMS 2000	41
Cruise control, Melco 2	42
Cruise control, Diesel	43

Group 32, 33

Charging circuit, Starting circuit	44
--	----

Group 35

Main and dipped beams, Fog lights	45
Parking lights/side marker lights	46
Numberplate lighting	46
Reversing and brake lights, filament monitor	47
Interior lighting, power sunroof	48
Key-inserted warning	48

Group 36

Beam length adjustment	50
Instrument and control lighting	51
Direction indicators and warning lights	52
Wiper/washer, windscreens	53
Headlights and rear window	53
12V socket and horn	54
Electronic immobilizer	55

Group 37

Diagnostics system	56
Towing bracket wiring	57

Group 38

Seat belt reminder	58
Driver information module	59

Group 39

Audio level 1	60
Audio level 2	61
Audio level 3	62

Group 43, 52

Automatic transmission/Vacuum pump EMS 2000	63
---	----

Group 59

ABS, DSA	64
----------------	----

Group 83, 36

Central locking and anti-theft alarm USA	65
Central locking and anti-theft alarm EU/OS	66

Group 83, 84

Power windows and power door mirrors	68
--	----

Group 84

Heated rear window and heated door mirrors	69
--	----

Group 85

Heated seats	70
Power seats	71

Group 87

Climate control system	72
------------------------------	----

Group 88

Supplemental Restraint System (SRS)	73
---	----

Connectors

44/1 EMS 2000	74
44/1 MELCO 2	75
44/1 DIESEL	76
44/1 BIFUEL	77
44/2 MELCO 2	78
44/3 - 44/4	79
44/5	80
44/6 - 44/7	81
44/8 - 44/9:1-6	82
44/9:7-26	83

Order number TP 3965032

Replaces previous manual TP 3965031

Contents

44/10	84
44/11 - 44/12.....	85
44/13	86
44/14 - 44/15.....	87
44/16 - 44/18.....	88
44/19 - 44/21	89
44/22	90
44/23 - 44/24.....	91
44/25 - 44/27.....	92
44/28 - 44/32.....	93
44/33 - 44/37.....	94
44/38 - 44/40.....	95

Junction points

43/300 - 43/308.....	96
43/309 - 43/318.....	97
43/319 - 43/328.....	98
43/329 - 43/338.....	99
43/339 - 43/348.....	100
43/350 - 43/359.....	101
43/360 - 43/369.....	102
43/370 - 43/379.....	103
43/380 - 43/384.....	104
43/385 - 43/401.....	105
43/402 - 43/411.....	106
43/412 - 43/422.....	107
43/423 - 43/432.....	108
43/433 - 43/601.....	109
43/602 - 43/611.....	110
43/612 - 43/623.....	111

Cable harness routing in vehicle

Passenger compartment and dashboard harness	112
Engine harness EMS 2000.....	113
Engine harness Melco 2.....	114
Passenger compartment harness.....	114
Engine harness Diesel	115
Passenger compartment harness.....	115
Engine compartment harness EMS 2000.....	116
Engine compartment harness Diesel.....	118

Engine compartment harness Melco 2.....	119
Rear door harness.....	120
Rear harness S40.....	122
Cargo compartment harness S40.....	122
Tailgate harness V40.....	123
Rear harness V40.....	123

Component illustrations

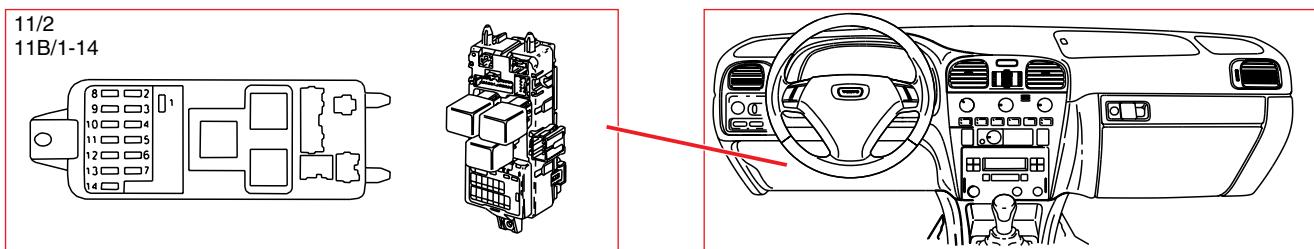
1/1 - 2/21.....	124
2/23 - 2/51	125
3/1 - 3/12.....	126
3/13 - 3/24	127
3/25 - 3/51	128
3/53 - 4/6.....	129
4/9 - 4/33.....	130
4/35 - 6/1	131
6/2 - 6/14.....	132
6/15 - 6/45	133
6/46 - 7/7	134
7/9 - 7/26 EMS 2000.....	135
7/26 Melco 2 - 7/47	136
7/49 - 7/56	137
7/58 - 7/72	138
7/73 - 8/2.....	139
8/3 - 8/24.....	140
8/25 - 8/42	141
8/43 - 10/4	142
10/13 - 10/41	143
10/42 - 11/1	144
11/2 - 15/8	145
31/4 - 31/15.....	147
44/1 - 44/13.....	148
44/14 - 44/27	149
44/28 - 44/40	150

Alphabetical index

List of components

Fuses

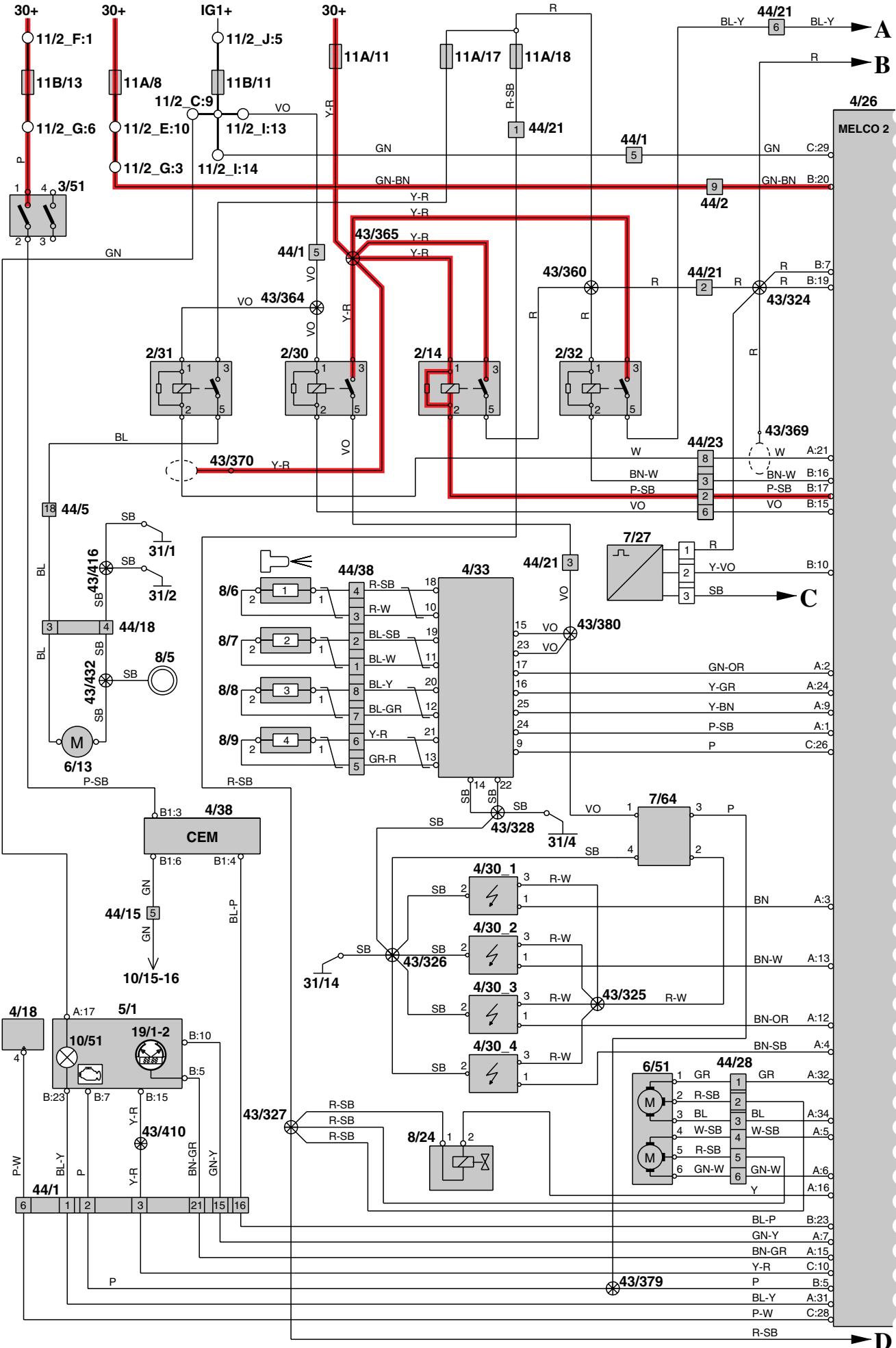
Passenger compartment 11B/7-10



11B Fuses in passenger compartment

No.	Fuse function	via	A
7	4/5 Control module, cruise control, EMS 2000 2/23 Relay, shift lock 4/39 Control module for locks and alarm, VGLA 4/75 Control module LPG 2/50 Relay, LPG 3/63 Switch, gas/petrol drive, Bifuel 3/4 Control, cruise control	3/51	10
8	4/39:A26 Control module for locks and alarm, VGLA 10/64 Lamp housing, left-hand rear 10/65 Lamp housing, right rear 10/1 FL direction indicator 10/2 Direction indicator right front 10/3 Direction indicator left front wing 10/4 Direction indicator right front wing 2/21 Relay, direction indicators	4/39 4/39 4/39 4/39 3/5	15
9	2/41 Relay, cigarette lighter, USA, CDN, AUS 16/1 Radio 16/18 Bass speaker, V40 16/20 Audio amplifier		15
10	6/1 Windscreen wiper motor 6/11 Rear window wiper motor, V40 6/2 Windscreen washer pump 6/3 Right headlight wiper motor 6/4 Left headlight wiper motor	3/11 4/38 3/21 3/21 3/21	20
	continues		

Engine management system, Melco 2



Cable harness routing in vehicle

Passenger compartment and dashboard harness

