



Volvo XC60
(2008-2009)



Wiring Diagrams and Electric Model Year 2009



VOLVO XC60

WIRING DIAGRAM 2009



TP 39132202

Table of Contents 1:3

Vehicles with SRS (Airbag)/SIPS bag/	
IC (Inflatable Curtain).....	2
Explanations	6
Abbreviations	6
How to use the wiring diagrams 1:2.....	7
Electrical distribution 1:2	9

Fuses

Distribution box in engine compartment F1-F7	11
Distribution box in engine compartment F9-F24	12
Distribution box in engine compartment F25-F30	13
Distribution box in engine compartment F31-F37	14
Distribution box in engine compartment F38-F44	15
Central Electronic Module (CEM) F1 - F13	16
Central Electronic Module (CEM) F14 - F19	17
Central Electronic Module (CEM) F20 - F28	18
Rear electrical center FA1-FA12	19
Distribution box in cargo compartment FB1-FB12	20
Rear electrical center FD1-FD7	21
Battery PF1-PF2	22

Relays

Relays in the engine compartment R2	23
Relays in the engine compartment R8-R9	24
Relays in the engine compartment R10-R13	25
Distribution box in cargo compartment RA1-RD1	26
Central Electronic Module (CEM)	27

Ground connections

Overview	28
31/1 - 31/7	29
31/10 - 31/15 continues	30
31/15 - 31/48	31
31/65 - 31/83	32
31/84 - 31/95	33
31/96 - 31/TRM	34

Control modules

Overview locations	35
Overview designations	36
Central Electronic Module (CEM) 1:3	37
Data communication high speed CAN	40
Data communication intermediate speed CAN, LHD ..	41
Data communication intermediate speed CAN, RHD ..	42
Data communication, LIN 1:2	43
Data communication MOST	45
Steering Wheel Module (SWM)	46

Group 23 Fuel system

Engine management system, 6-Cyl. Turbo 1:2	47
Engine management system, 5-Cyl. Diesel 1:3	49
Emission control 6-Cyl.	52

Group 26 Cooling system

Cooling fan 6-Cyl. Turbo	53
--------------------------------	----

Group 27 Engine controls

Cruise control	54
----------------------	----

Group 32 Alternator and voltage regulator

Power supply	55
--------------------	----

Group 33 Starting system

Starting system	56
-----------------------	----

Group 35 Lighting

High and low beam	57
High and low beam (Dual Xenon)	58
Beam length adjustment, manual	59
Running/Parking light, Tail lights	60
Running/Parking light, Tail lights (Dual Xenon)	61
Fog lights	62
Brake lights	63
Reversing lights	64
Follow-me-home lighting LHD	65
Follow-me-home lighting RHD	66
Interior lighting, LHD 1:2	67
Interior lighting, RHD 1:2	69
Active headlight	71
Lighting in door sill trims	72
Auxiliary lights	73

Group 36 Additional electrical equipment

Rain sensor	74
Direction indicator and hazard warning flashers LHD ..	75
Direction indicator and hazard warning flashers RHD ..	76
Wiper/Washer windshield	77
High pressure headlight washer	78
Wiper/Washer rear window	79
Horn	80
Keyless vehicle 1:2	81
Anti-theft alarm	83
Parking assistance	84
Collision warning with power brake booster	85
Tire pressure monitoring system (TPMS)	86
Alcohol lock	87

Table of Contents 2:3

Group 37 Wiring and fuses

Diagnostics system	88
Outlet 12V	89
Cable harness towbar/tow hitch 4-pin	90
Cable harness towbar/tow hitch 7-pin.....	91
Cable harness towbar/tow hitch 13-pin.....	92
USB unit (AUU).....	93

Group 38 Instruments

Seat belt reminder	94
Driver information module.....	95

Group 39 Other

Audio Premium 1:3	96
Audio 1:2	99
Cellular phone 1:2.....	101
DAB Radio	103
Telephone system Bluetooth	104
Bluetooth Handsfree	105
Multimedia & Traffic information	106
Satellite radio	107
Parking camera.....	108

Group 43 Transmission

Transmission M66	109
Automatic transmission, TF-80SC AWD.....	110
Differential electronic module (DEM)	111

Group 55 Parking brake

Electric parking brake	112
------------------------------	-----

Group 59 Brake system

Brake control system & DSTC	113
-----------------------------------	-----

Group 64 Steering

Electronic power steering	114
---------------------------------	-----

Group 76 Shock absorbers

Four-C	115
--------------	-----

Group 83 Doors and openings

Central locking front doors LHD	116
Central locking front doors RHD	117
Central locking rear doors.....	118
Central locking tailgate.....	119
Central locking fuel filler flap	120
Signal receiver central locking	121
Power windows front doors LHD.....	122
Power windows front doors RHD	123
Power windows rear doors.....	124
Power sunroof.....	125

Group 84 Exterior decorative elements, etc.

Power door mirrors LHD	126
Power door mirrors RHD.....	127
Heated door mirrors LHD	128
Heated door mirrors RHD	129
Blind spot information system LHD.....	130
Blind spot information system RHD	131
Heated rear window	132

Group 85 Interior equipment

Power driver's seat with memory function, LHD	133
Power driver's seat with memory function, RHD.....	134
Power passenger seat, LHD	135
Power passenger seat, RHD	136
Heated front seats with fans	137
Heated front seats without fans	138
Heated rear seat	139

Group 87 Climate control system

Climate control system PTC-element	140
Climate control system 1:2.....	141
Parking heater, auxiliary heater	143
Parking heater, remote start	144

Group 88 Internal equipment

Rear-view mirror with automatic dimming.....	145
Supplemental Restraint System (SRS) 1:2.....	146
Remote controlled garage opening.....	148

Table of Contents 3:3

Connectors	149
-------------------------	------------

Branching points	183
-------------------------------	------------

Cable harness routing in vehicle

Harness engine, 6-Cyl. Turbo.....	198
Harness engine, Diesel.....	198
Engine compartment harness.....	199
Harness dashboard, LHD	200
Harness Dashboard, RHD	201
Harness Floor, LHD	202
Harness Floor, RHD	203
Harness infotainment, LHD.....	204
Harness infotainment, RHD	205
Roof harness	206
Center console harness.....	206
Tunnel harness	207
Harness front door, left	208
Harness front door, right.....	208
Harness rear door, left	209
Harness rear door, right.....	209
Tailgate harness	210
Harnesses rear axle.....	210

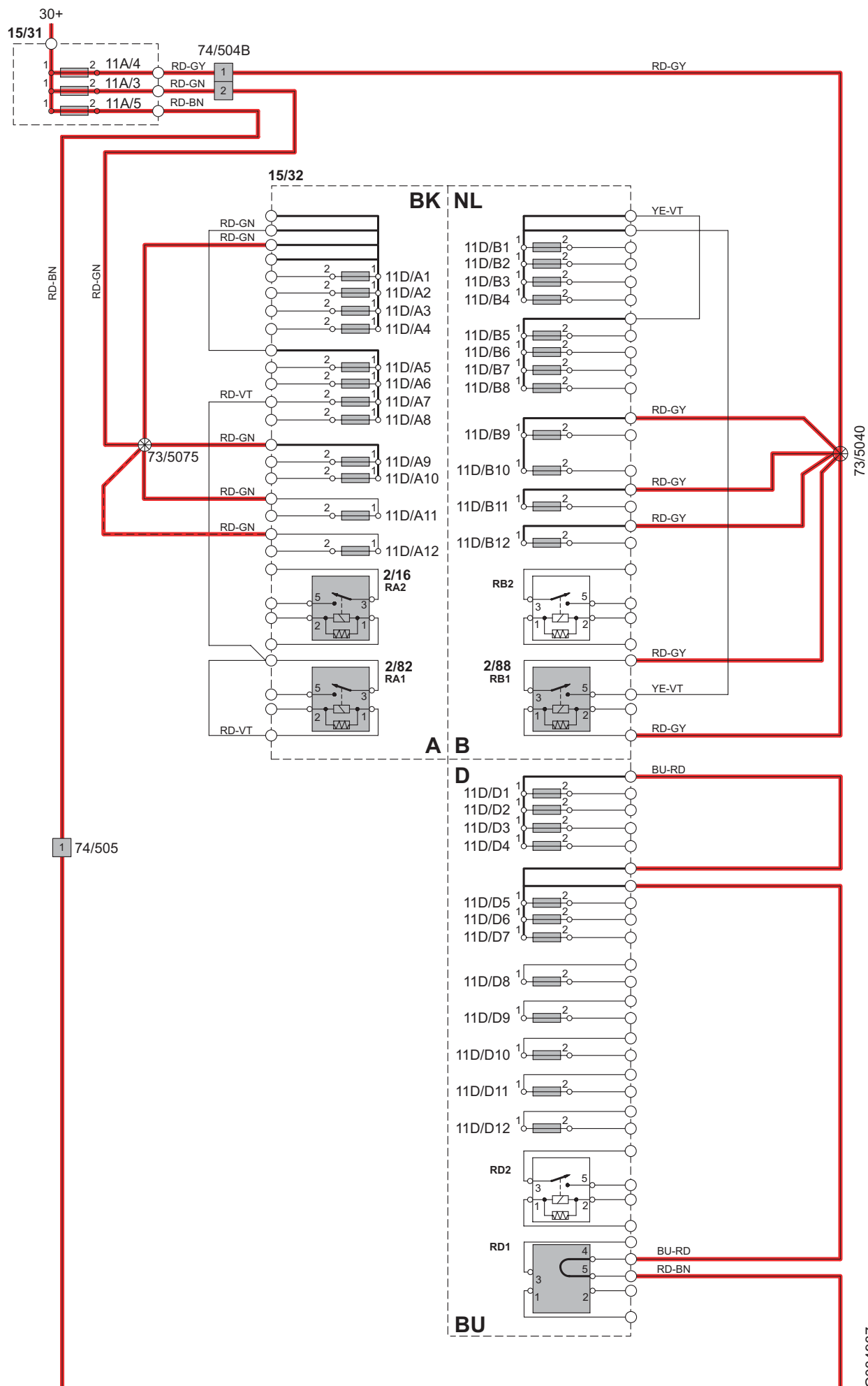
Component illustrations	211
--------------------------------------	------------

Index 1:2	262
------------------------	------------

List of components 1:7	264
-------------------------------------	------------

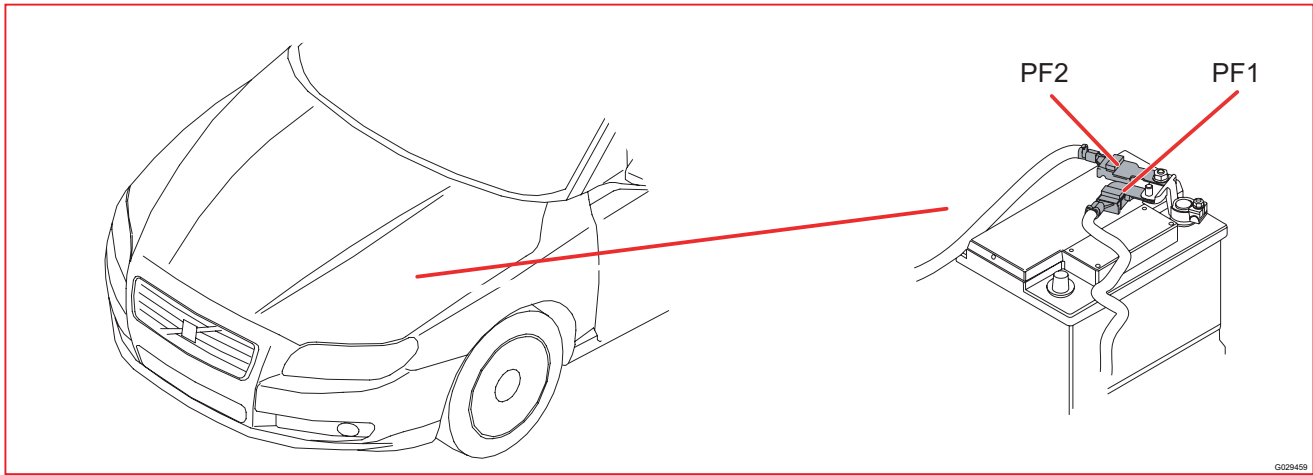
Electrical distribution 2:2

Overview, rear electrical center



G034937

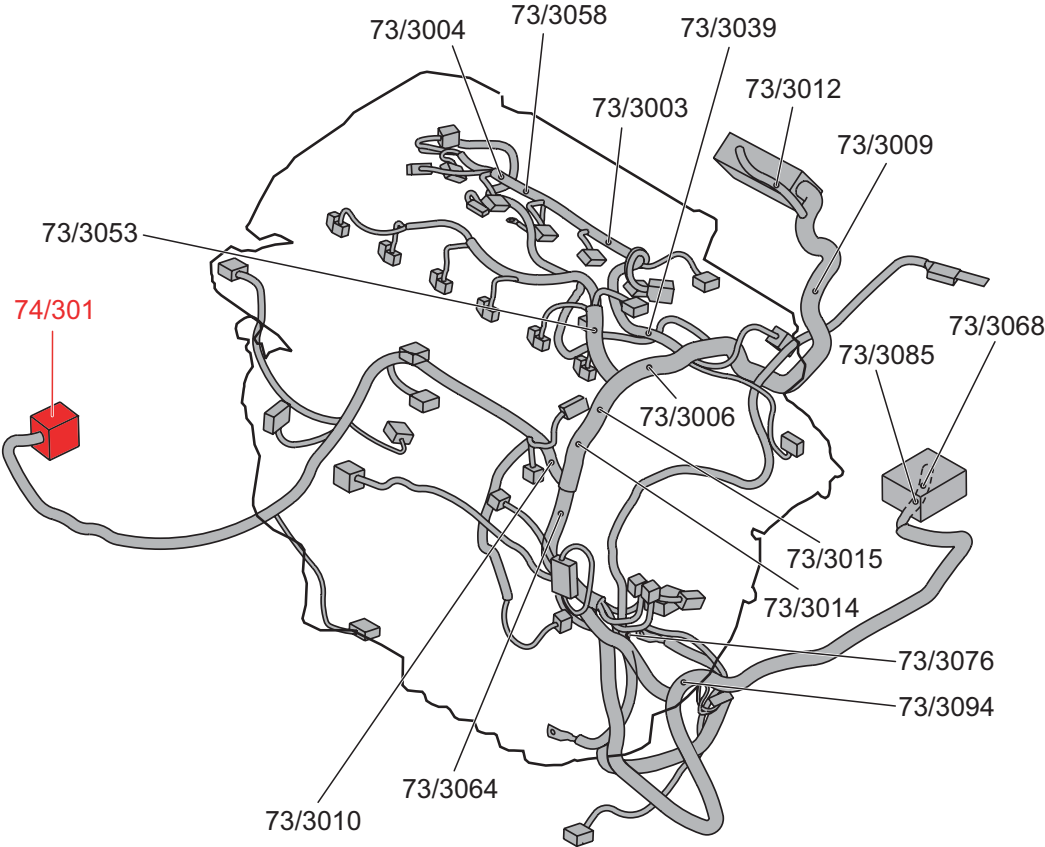
Fuses
Battery PF1-PF2



1/1 Battery

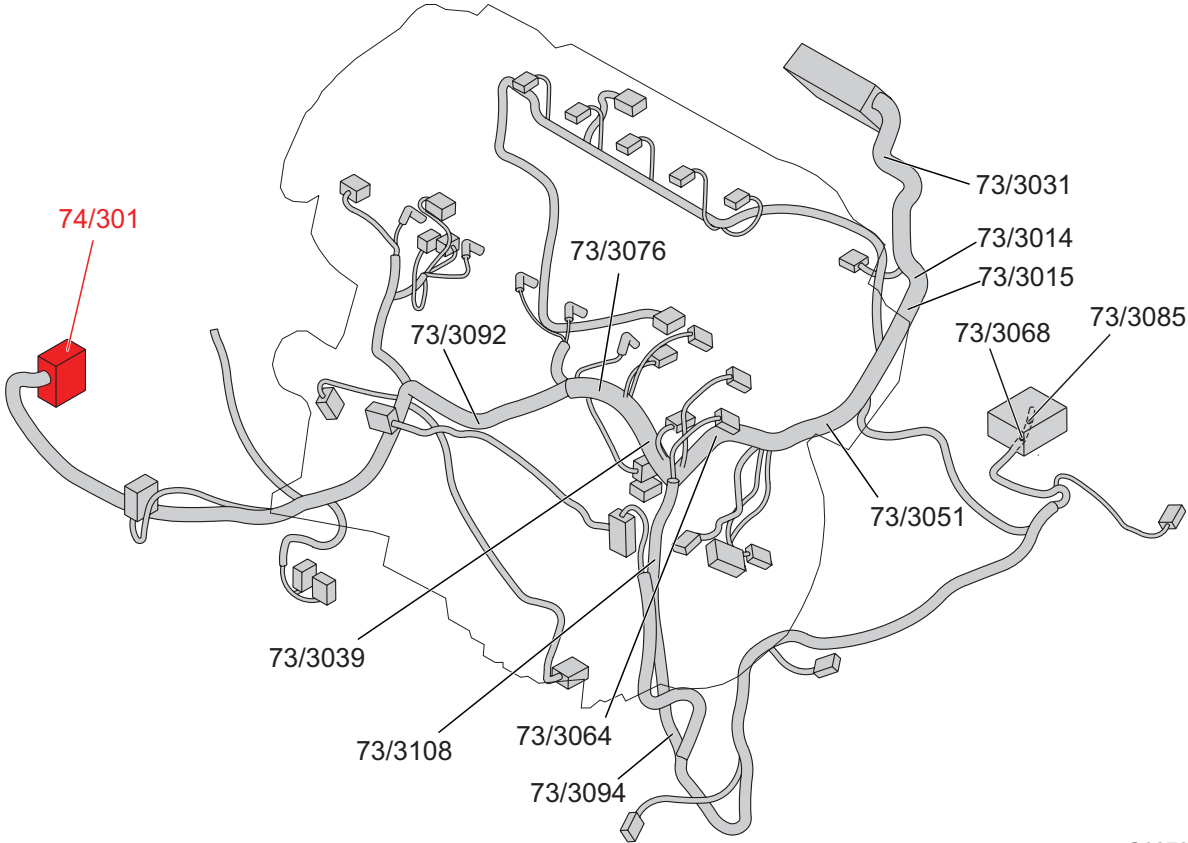
No.	Fuse function		via	A
PF1	11A/1-11A/7	Main fuses in engine compartment fuse box	-	150
	11A/42-11A/44	Main fuses in engine compartment fuse box	-	
	11B/8-11B/14	Fuses in engine compartment fuse box	-	
	11B/16-11B/22	Fuses in engine compartment fuse box	2/31	
	11B/23	Fuses in engine compartment fuse box	-	
	11B/24-11B/26	Fuses in engine compartment fuse box	2/193	
	11B/27-11B/32	Fuses in engine compartment fuse box	-	
	11B/33	Fuses in engine compartment fuse box	2/32	
	11B/34	Fuses in engine compartment fuse box	-	
	11B/35-11B/41	Fuses in engine compartment fuse box	2/32	
PF2	6/25	Starter motor	-	150
	6/26	Alternator control module (ACM)	-	

Cable harness routing in vehicle
Harness engine, 6-Cyl. Turbo



G025282

Cable harness routing in vehicle
Harness engine, Diesel



G037996