



Volvo S60
(2014-2015)



Wiring Diagrams and Electric Model Year 2015



WIRING DIAGRAM 2015

Structure week 14w20 TP 39386031 - VOLVO S60 (11-18), S60CC, V60 (-18), V60CC -

Table of Contents

Explanations & Abbreviations

How to use the wiring diagrams 1:2.....	9
How to use the wiring diagrams 2:2.....	10

Electrical distribution

Overview without Start/Stop function.....	11
Overview with Start/Stop function.....	12
Overview, Distribution box in engine compartment.....	13
Overview, Distribution box in engine compartment.....	14
Overview, Distribution box in passenger compartment.....	15
Overview, Distribution box in luggage compartment.....	16

Fuses

Distribution box, engine compartment F1 - F3.....	17
Distribution box, engine compartment F4 - F7.....	18
Distribution box, engine compartment F8 - F20.....	19
Distribution box, engine compartment F21 - F33.....	20
Distribution box, engine compartment F34 - F37.....	21
Distribution box, engine compartment F38 - F38.....	22
Distribution box, engine compartment F38 - F39.....	23
Distribution box, engine compartment F40 - F44.....	24
Central Electronic Module (CEM) F1 - F5.....	25
Central Electronic Module (CEM) F6 - F13.....	26
Central Electronic Module (CEM) F14 - F24.....	27
Distribution box, passenger compartment F1 - F12.....	28
Distribution box, passenger compartment F13 - F21.....	29
Distribution box, passenger compartment F22 - F30.....	30
Distribution box, cold zone, engine compartment F1 - F10.....	31
Distribution box, cold zone, engine compartment F11 - MF2.....	32
Distribution box, luggage compartment FA1 - FA12.....	33
Battery PF1 - PF2.....	34

Relays

Relays in the engine compartment.....	35
Relays in the engine compartment.....	36
Overview, Distribution box in luggage compartment.....	37

Ground connections

Overview.....	38
31/2-31/6.....	39
31/7.....	40
31/10.....	41
31/15.....	42
31/47-31/48.....	43
31/65-31/83.....	44
31/84-31/90.....	45
31/93-31/130.....	46
31/131-31/TRM.....	47

Control modules

Overview locations.....	48
Overview designations.....	49
Central Electronic Module (CEM), 1:3.....	50
Central Electronic Module (CEM), 2:3.....	51
Central Electronic Module (CEM), 3:3.....	52
Data communication, high speed CAN, 1:2, EXC 4-CYL 2.0L.....	53
Data communication, high speed CAN, 2:2, EXC 4-CYL 2.0L.....	54
Data communication, high speed CAN, 1:2, 4-CYL 2.0L.....	55
Data communication, high speed CAN, 2:2, 4-CYL 2.0L.....	56
Data communication, intermediate speed CAN, LHD.....	57
Data communication, intermediate speed CAN, RHD.....	58
Data communication, Local CAN.....	59
Data communication, Extended CAN.....	60
Data communication MOST.....	61
Data communication LIN, 1:3.....	62
Data communication LIN, 2:3.....	63
Data communication LIN, 3:3.....	64
Steering Wheel Module (SWM).....	65

Group 26 Cooling system

Cooling fan, 4-CYL 1.6P.....	66
Cooling fan, 4-CYL 2.0P.....	67
Cooling fan, 4-CYL 1.6D.....	68
Cooling fan, 4-CYL 2.0D.....	69
Cooling fan, 5-CYL D.....	70
Cooling fan, 5-CYL P.....	71
Cooling fan, 6-CYL.....	72

Group 27 Engine controls

Cruise control, 4-CYL 1.6P.....	73
Cruise control, 4-CYL 2.0P.....	74
Cruise control, 4-CYL 1.6D.....	75
Cruise control, 4-CYL 2.0D.....	76
Cruise control, 5-CYL D.....	77
Cruise control, 5-CYL P & 6-CYL.....	78
Start-/Stop function, 4-CYL 1.6P.....	79
Start-/Stop function, 4-CYL 2.0P.....	80
Start-/Stop function, 4-CYL 1.6D.....	81
Start-/Stop function, 4-CYL 2.0D.....	82
Start-/Stop function, 5-CYL D.....	83
Start-/Stop function, 5-CYL P.....	84

Table of Contents

Group 28 Ignition and control system

Engine management system, 1:2, 4-CYL 1.6P.....	85
Engine management system, 2:2, 4-CYL 1.6P.....	86
Engine management system, 1:3, 4-CYL 2.0P.....	87
Engine management system, 2:3, 4-CYL 2.0P.....	88
Engine management system, 3:3, 4-CYL 2.0P.....	89
Engine management system, 1:2, 5-CYL P.....	90
Engine management system, 2:2, 5-CYL P.....	91
Engine management system, 1:2, 6-CYL.....	92
Engine management system, 2:2, 6-CYL.....	93
Engine management system, 1:3, 4-CYL 1.6D.....	94
Engine management system, 2:3, 4-CYL 1.6D.....	95
Engine management system, 3:3, 4-CYL 1.6D.....	96
Engine management system, 1:3, 4-CYL 2.0D.....	97
Engine management system, 2:3, 4-CYL 2.0D.....	98
Engine management system, 3:3, 4-CYL 2.0D.....	99
Engine management system, 1:3, 5-CYL D.....	100
Engine management system, 2:3, 5-CYL D.....	101
Engine management system, 3:3, 5-CYL D.....	102
Emission control, 4-CYL 1.6P.....	103
Emission control, 4-CYL 2.0P.....	104
Emission control, 5-CYL P.....	105
Emission control, 6-CYL.....	106
Emission control, 6-CYL, Polestar.....	107

Group 32 Alternator and voltage regulator

Power supply, W/O Start/Stop, 4-CYL 1.6P W/O STOSTA.....	108
Power supply, W/O Start/Stop, 5-CYL W/O STOSTA.....	109
Power supply, W/O Start/Stop, 6-CYL W/O STOSTA.....	110
Power supply, Start/Stop, 4-CYL & STOSTA.....	111
Power supply, Start/Stop, 5-CYL & STOSTA.....	112

Group 33 Starting system

Starting system, Start/Stop, 1:2, 4-CYL 1.6P & STOSTA.....	113
Starting system, Start/Stop, 2:2, 4-CYL 1.6P & STOSTA.....	114
Starting system, Start/Stop, 1:2, 4-CYL 1.6D & STOSTA.....	115
Starting system, Start/Stop, 2:2, 4-CYL 1.6D & STOSTA.....	116
Starting system, Start/Stop, 1:2, 4-CYL 2.0L & STOSTA.....	117
Starting system, Start/Stop, 2:2, 4-CYL 2.0L & STOSTA.....	118
Starting system, Start/Stop, 1:2, 5-CYL D & STOSTA.....	119
Starting system, Start/Stop, 2:2, 5-CYL D & STOSTA.....	120
Starting system, Start/Stop, 1:2, 5-CYL P & STOSTA.....	121
Starting system, Start/Stop, 2:2, 5-CYL P & STOSTA.....	122
Starting system, W/O Start/Stop, 4-CYL 1.6 P W/O STOSTA.....	123
Starting system, W/O Start/Stop, 5-CYL D W/O STOSTA.....	124
Starting system, W/O Start/Stop, 5-CYL P W/O STOSTA.....	125
Starting system, W/O Start/Stop, 6-CYL W/O STOSTA.....	126

Group 35 Lighting

High and low beam - Halogen.....	127
High and low beam - Dual Xenon.....	128
Beam length adjustment, manual.....	129
Running/Parking light, Tail lights, S60.....	130
Running/Parking light, Tail lights, V60.....	131
Fog lights, S60.....	132
Fog lights, V60.....	133
Brake lights, S60.....	134
Brake lights, V60.....	135
Reversing lights, S60.....	136
Reversing lights, V60.....	137
Follow-me-home lighting, LHD.....	138
Follow-me-home lighting, RHD.....	139
Interior lighting, 1:2, LHD.....	140
Interior lighting, 2:2, LHD.....	141
Interior lighting, 1:2, RHD.....	142
Interior lighting, 2:2, RHD.....	143
Active headlight, GDL.....	144
Auxiliary lights.....	145

Group 36 Additional electrical equipment

Rain sensor.....	146
Direction indicator and hazard warning flashers, S60 & LHD.....	147
Direction indicator and hazard warning flashers, V60 & LHD.....	148
Direction indicator and hazard warning flashers, S60 & RHD.....	149
Direction indicator and hazard warning flashers, V60 & RHD.....	150
Wiper/washer windshield.....	151
Washer headlights.....	152
Wiper/Washer rear window.....	153
Horn.....	154
Keyless vehicle, 1:2.....	155
Keyless vehicle, 2:2.....	156
Anti-theft alarm.....	157
Parking assistance.....	158
Collision warning with power brake booster.....	159
Tire Pressure Monitoring System (TPMS).....	160
Alcohol lock.....	161

Group 37 Wiring and fuses

Diagnostics system.....	162
Outlet 12V, S60.....	163
Outlet 12V, V60.....	164
Cable harness towbar/tow hitch 13-pin, S60.....	165
Cable harness towbar/tow hitch 13-pin, V60.....	166
Cable harness towbar/tow hitch 7-pin, S60.....	167
Cable harness towbar/tow hitch 7-pin, V60.....	168
Cable harness towbar/tow hitch 4-pin, S60.....	169
Cable harness towbar/tow hitch 4-pin, V60.....	170

Group 38 Instruments

Seat belt reminder.....	171
Driver information system.....	172

Table of Contents

Group 39 Other

Audio High/Premium, 1:3, IAM.....	173
Audio High/Premium, 2:3, IAM.....	174
Audio High/Premium, 3:3, IAM.....	175
Audio High/Premium, 1:3, IHU.....	176
Audio High/Premium, 2:3, IHU.....	177
Audio High/Premium, 3:3, IHU.....	178
Audio, 1:2.....	179
Audio, 2:2.....	180
Cellular phone, 1:2.....	181
Cellular phone, 2:2.....	182
DAB Radio.....	183
Multimedia monitor with DVD, Dual Screen.....	184
TV receiver/TV control module, S60.....	185
TV receiver/TV control module, V60.....	186
Bluetooth Handsfree, IAM.....	187
Bluetooth Handsfree, IHU.....	188
Navigation system & Traffic information, portable.....	189
Vehicle Information and Communication System, J.....	190
Satellite radio.....	191
Parking camera.....	192
Parking camera, Wide angle, Front.....	193
Sensus Connected Touch.....	194

Group 43 Transmission

Manual Transmission.....	195
Automatic transmission, AWF21.....	196
Automatic transmission, AWF22.....	197
Automatic transmission, MPS6.....	198
Differential Electronic System (DEM), 4WD.....	199

Group 55 Parking brake

Electric parking brake.....	200
-----------------------------	-----

Group 59 Brake system

Brake control system.....	201
---------------------------	-----

Group 64 Steering

Speed dependent power steering, EHPAS.....	202
Speed dependent power steering, EPAS.....	203

Group 76 Shock absorbers

Four-C.....	204
-------------	-----

Group 83 Doors and openings

Central locking front doors, LHD.....	205
Central locking front doors, RHD.....	206
Central locking rear doors.....	207
Central locking tailgate, S60.....	208
Central locking tailgate, V60.....	209
Central locking fuel filler flap.....	210
Signal receiver central locking.....	211
Power windows front doors, LHD.....	212
Power windows front doors, RHD.....	213
Power windows rear doors.....	214
Power sunroof, HATCH.....	215

Group 84 Exterior decorative elements, etc.

Power door mirrors, LHD.....	216
Power door mirrors, RHD.....	217
Heated door mirrors, LHD.....	218
Heated door mirrors, RHD.....	219
Door mirrors with automatic dimming, LHD.....	220
Door mirrors with automatic dimming, RHD.....	221
Blind spot information system, 1:2, LHD.....	222
Blind spot information system, 2:2, LHD.....	223
Blind spot information system, 1:2, RHD.....	224
Blind spot information system, 2:2, RHD.....	225
Heated windscreen, LHD.....	226
Heated windscreen, RHD.....	227
Heated rear window.....	228

Group 85 Interior equipment

Power driver's seat with memory function, LHD.....	229
Power driver's seat with memory function, RHD.....	230
Power passenger seat, LHD.....	231
Power passenger seat, RHD.....	232
Heated steering wheel.....	233
Heated front seats with fans.....	234
Heated front seats without fans.....	235
Heated rear seat.....	236
Lumbar support driver, LHD.....	237
Lumbar support driver, RHD.....	238
Lumbar support passenger, LHD.....	239
Lumbar support passenger, RHD.....	240

Group 87 Climate control system

Climate control system PTC-elements.....	241
Climate control system, 1:2, 4-CYL 1.6P.....	242
Climate control system, 2:2, 4-CYL 1.6P.....	243
Climate control system, 1:2, 4-CYL 1.6D.....	244
Climate control system, 2:2, 4-CYL 1.6D.....	245
Climate control system, 1:2, 4-CYL 2.0L.....	246
Climate control system, 2:2, 4-CYL 2.0L.....	247
Climate control system, 1:2, 5-CYL D.....	248
Climate control system, 2:2, 5-CYL D.....	249
Climate control system, 1:2, 5-CYL P.....	250
Climate control system, 2:2, 5-CYL P.....	251
Climate control system, 1:2, 6-CYL.....	252
Climate control system, 2:2, 6-CYL.....	253
Parking heater, auxiliary heater.....	254
Parking heater, remote start.....	255

Group 88 Internal equipment

Supplemental restraint system, 1:2.....	256
Supplemental restraint system, 2:2.....	257
Rear-view mirror with automatic dimming.....	258
Remote control garage opening.....	259
Power folding headrest.....	260

Group 89 Body other

Radiator masking blind, ACTGR.....	261
------------------------------------	-----

Connectors..... 262

Branching points.....317

Table of Contents

Cable harness routing in vehicle

Rear door harness, left.....	341
Rear door harness, right.....	341
Driver door harness, LHD.....	342
Driver door harness, RHD.....	342
Passenger door harness, LHD.....	343
Passenger door harness, RHD.....	343
Dual battery harness.....	344
Alternator and generator harness, 4-CYL 1.6D.....	344
Alternator and generator harness, 5-CYL P.....	345
Alternator and generator harness, 5-CYL D & MAN & STOSTA.....	345
Alternator and generator harness, 5-CYL D & AUTO & W/O STOSTA.....	346
Centre console harness.....	346
Tunnel harness.....	347
Front bumper harness.....	347
Rear bumper harness.....	348
Rear bumper adapter harness, S60.....	348
Rear bumper adapter harness, V60.....	349
Boot lid/taillgate harness, S60.....	349
Boot lid/taillgate harness, V60.....	350
Heated windscreen adapter harness.....	350
WEM harness.....	351
Rear right axle harness, S60.....	351
Rear right axle harness, V60.....	352
Left rear axle harness.....	352
Left rear axle harness.....	353
Electrical power steering harness, LHD.....	353
Electrical power steering harness, RHD.....	354
Crankshaft sensor harness, 4-CYL 2.0D.....	354
Crankshaft sensor harness, 4-CYL 2.0P.....	355
Crankshaft sensor harness, 5-CYL D.....	355
AWD harness, 4WD.....	356
Forward looking radar adapter harness.....	356
Glow plug adapter harness, 4-CYL D.....	357
Tailgate antenna harness, V60.....	357
Floor harness, S60 & LHD.....	358
Floor harness, S60 & RHD.....	359
Floor harness, V60 & LHD.....	360
Floor harness, V60 & RHD.....	361
Dashboard harness, LHD.....	362
Dashboard harness, RHD.....	363
Engine harness, 4-CYL 1.6D & AUTO.....	364
Engine harness, 4-CYL 1.6D & MAN.....	365
Engine harness, 4-CYL 1.6P & AUTO.....	366
Engine harness, 4-CYL 1.6P & MAN.....	367
Engine harness, 4-CYL 2.0D.....	368
Engine harness, 4-CYL 2.0P.....	369
Engine harness, 5-CYL D.....	370
Engine harness, 5-CYL P.....	371
Engine harness, 6-CYL.....	372
Heated washer nozzle harness.....	373
Roof harness, LHD.....	374
Roof harness, RHD.....	375
Engine compartment harness, LHD.....	376
Engine compartment harness, RHD.....	377
Infotainment harness, S60.....	378
Infotainment harness, V60.....	379
Four-C harness, S60.....	380
Four-C harness, V60.....	381

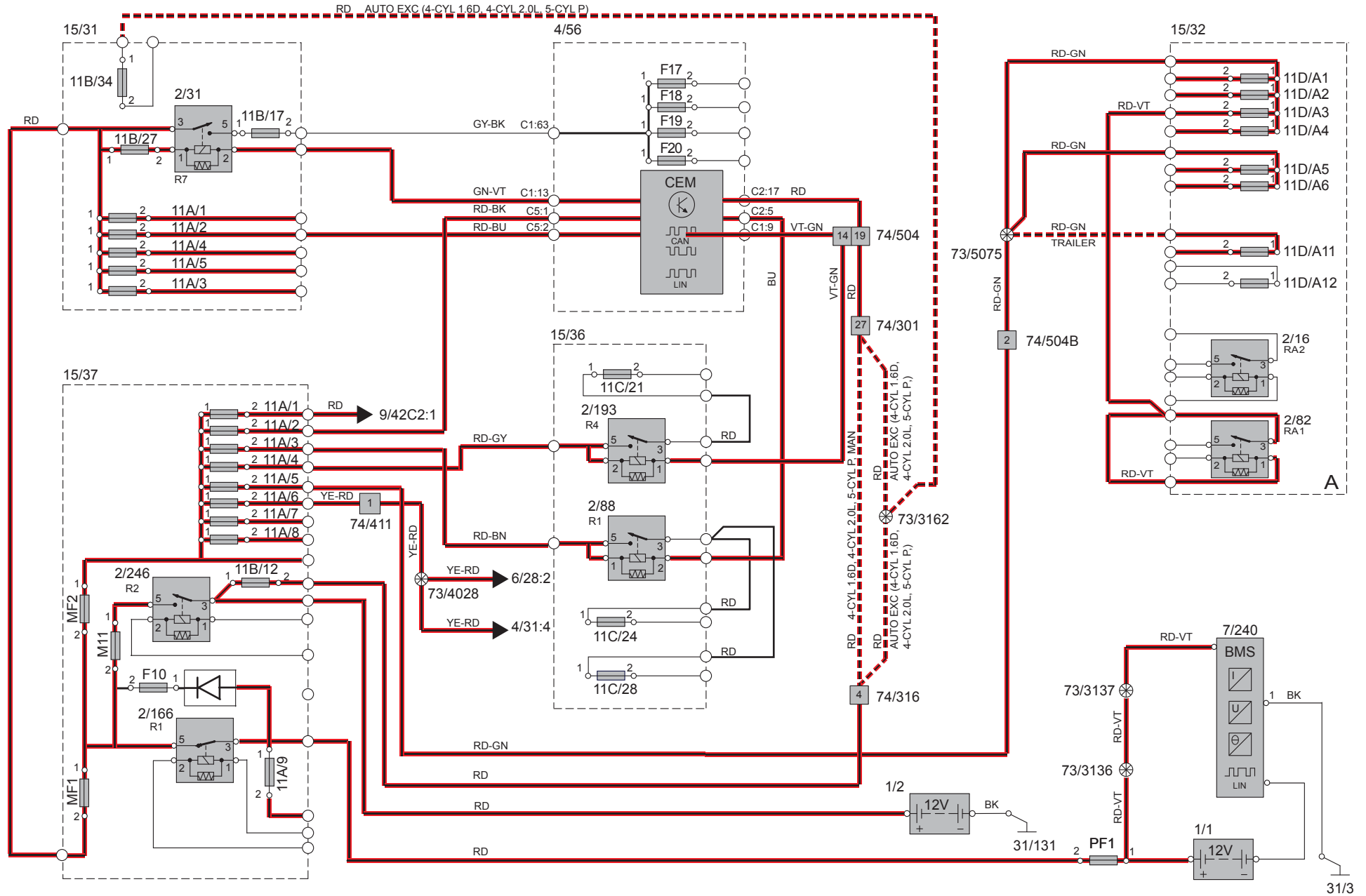
List of Components.....465

Component Illustrations.....382

Index.....462

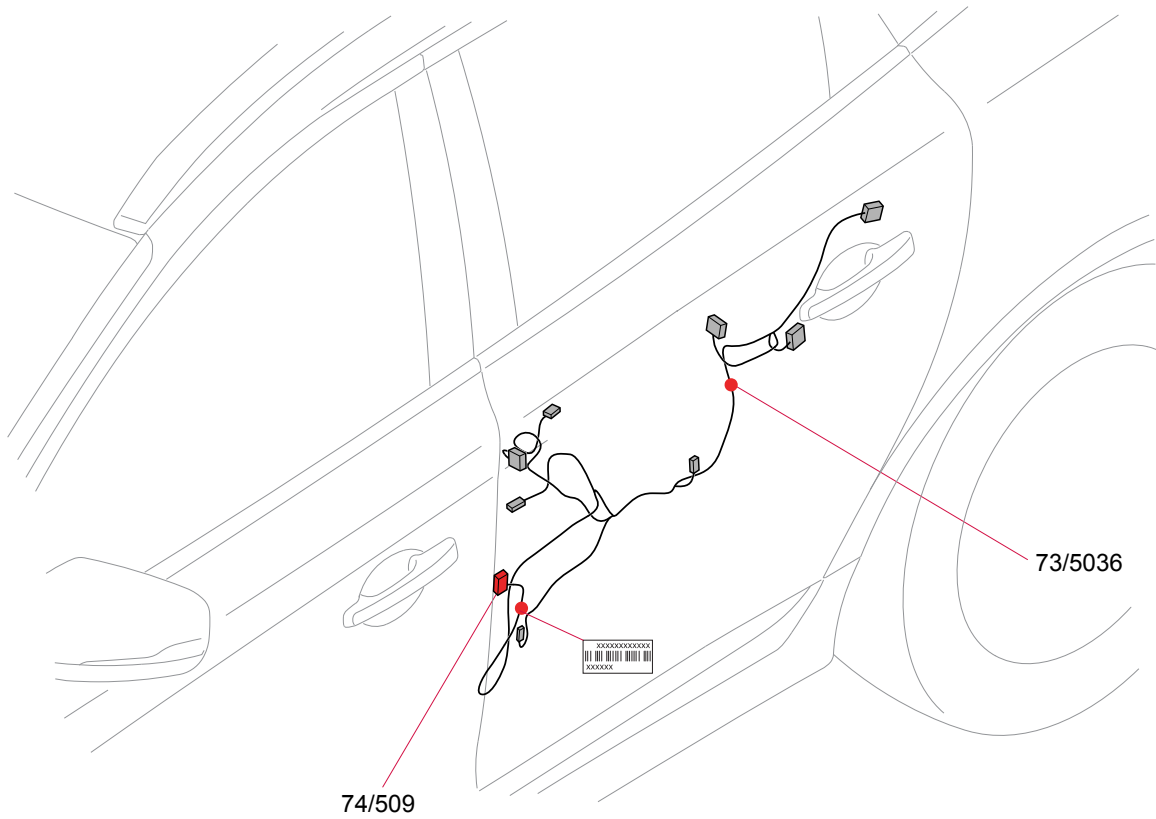
Electrical distribution

Overview with Start/Stop function



Cable harness routing in vehicle

Rear door harness, left

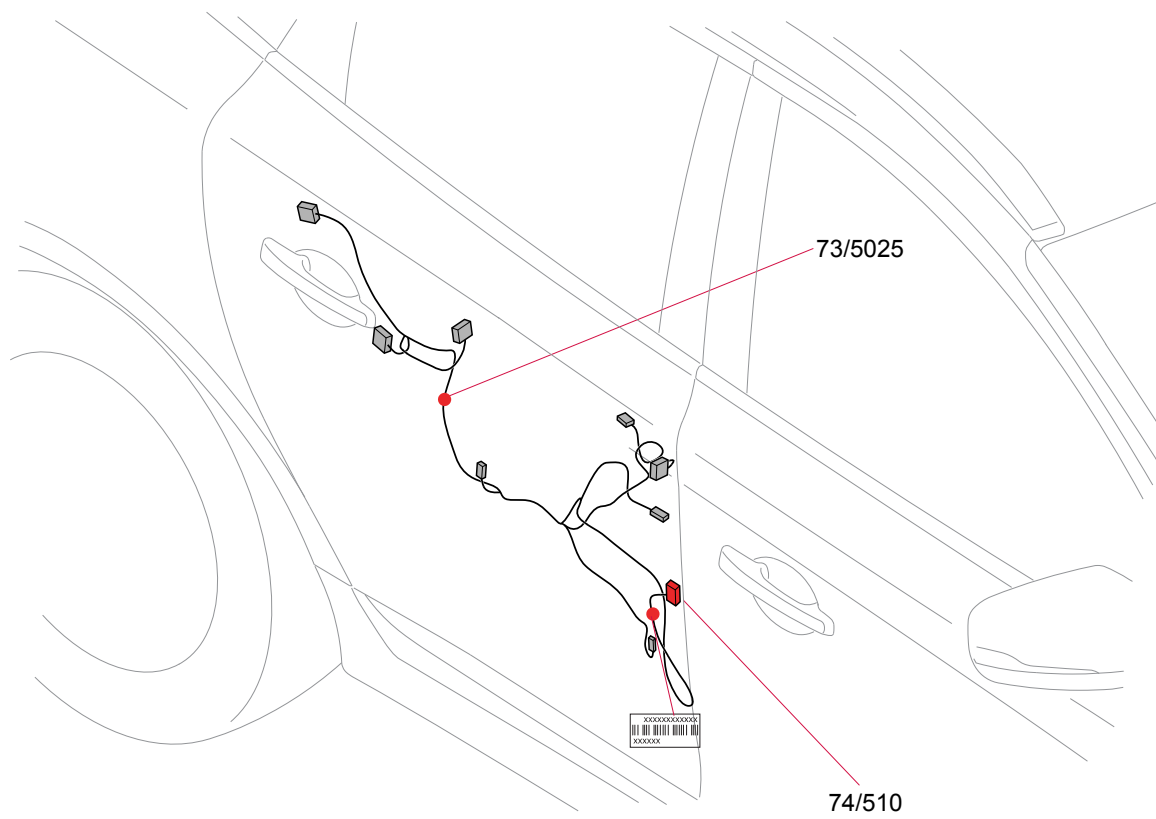


14240_RL Y283/Y352/352H

P54H019

Cable harness routing in vehicle

Rear door harness, right



14240_RR Y283/Y352/352H

P54H020