



**Volvo S60**  
(2013-2014)



**Wiring Diagrams and Electric Model Year 2014**



VOLVO S60 (11-), V60

# WIRING DIAGRAM 2014



TP 39262202 Structure week 13w20

# Table of Contents 1:3

Explanations & Abbreviations .....	6
How to use the wiring diagrams 1:2.....	7

## Electrical distribution

Overview without Start/stop function .....	9
Overview with Start/stop function .....	10
Overview, Distribution box in engine compartment .....	11
Overview, Distribution box in passenger compartment .....	12
Overview, Distribution box in cargo compartment .....	13

## Fuses

Distribution box in engine compartment F1 - F7 .....	14
Distribution box in engine compartment F8 - F23.....	15
Distribution box in engine compartment F27 - F36.....	16
Distribution box in engine compartment F37 - F38.....	17
Distribution box in engine compartment F39 - F44.....	18
Central Electronic Module (CEM) F1 - F8.....	19
Central Electronic Module (CEM) F9 - F19.....	20
Central Electronic Module (CEM) F20 - F24.....	21
Distribution box in passenger compartment F1 - F17...22	
Distribution box in passenger compartment F18 - F30.23	
Distribution box in engine compartment, cold zone.....	24
Distribution box in cargo compartment FA1 - FA11.....	25
Battery PF1 - PF2.....	26

## Relays

Relays in the engine compartment .....	27
Relays in the engine compartment .....	28
Relays in passenger and cargo compartments .....	29

## Ground connections

Overview.....	30
31/1 - 31/7.....	31
31/10 - 31/15 continues .....	32
31/15 - 31/67.....	33
31/68 - 31/89.....	34
31/90 - 31/130.....	35
31/131 - 31/TRM.....	36

## Control modules

Overview locations .....	37
Overview designations .....	38
Central Electronic Module (CEM) 1:3 .....	39
Data communication, High speed CAN 1:2 .....	42
Data communication intermediate speed CAN, LHD... 44	
Data communication intermediate speed CAN, RHD .. 45	
Data communication Local CAN .....	46
Data communication Extended CAN .....	47
Data communication, LIN 1:2.....	48
Data communication MOST.....	50
Steering Wheel Module (SWM) .....	51

## Group 26 Cooling system

Cooling fan, 4-Cyl. Turbo .....	52
Cooling fan, 4-Cyl. Diesel .....	53
Cooling fan, 5-Cyl. Diesel .....	54
Cooling fan, 5-Cyl. Turbo .....	55
Cooling fan, 6-Cyl. ....	56

## Group 27 Engine controls

Cruise control 4-Cyl. Turbo 1.6l .....	57
Cruise control 4-Cyl. Turbo 2.0l .....	58
Cruise control 4-Cyl. Diesel .....	59
Cruise control 5-Cyl. Diesel .....	60
Cruise control 5-Cyl. Turbo & 6-Cyl. ....	61
Start-/Stop function 4-Cyl. Turbo .....	62
Start-/Stop function 4-Cyl. Diesel .....	63
Start-/Stop function 5-Cyl. Diesel.....	64
Start-/Stop function 5-Cyl. Turbo .....	65

## Group 28 Ignition and control system

Engine management system 4-Cyl. 1.6l Turbo 1:2 .....	66
Engine management system 4-Cyl. 2.0l Turbo 1:2 .....	68
Engine management system, 5-Cyl. Turbo 1:2.....	70
Engine management system, 6-Cyl. Turbo 1:2.....	72
Engine management system, 4-Cyl. Diesel 1:3 .....	74
Engine management system, 5-Cyl. Diesel 1:3 .....	77
Emission control 4-Cyl. 1.6l Turbo .....	80
Emission control 4-Cyl. 2.0l Turbo .....	81
Emission control 5-Cyl. Turbo .....	82
Emission control 6-Cyl. ....	83

## Table of Contents 2:3

### Group 32 Alternator and voltage regulator

Power supply 4-Cyl. without Start/Stop .....	84
Power supply 5-Cyl. & 6-Cyl. without Start/Stop.....	85
Power supply 4-Cyl. & 5-Cyl. with Start/Stop.....	86

### Group 33 Starting system

Starting system 4-Cyl.....	87
Starting system, 5-Cyl. & 6-Cyl.....	88
Starting system, 5-Cyl. Diesel.....	89

### Group 35 Lighting

High and low beam .....	90
High and low beam (Dual Xenon).....	91
Beam length adjustment, manual .....	92
Running/Parking light, Tail lights S60 .....	93
Running/Parking light, Tail lights V60 .....	94
Fog lights S60.....	95
Fog lights V60.....	96
Brake lights S60.....	97
Brake lights V60.....	98
Reversing lights S60.....	99
Reversing lights V60.....	100
Follow-me-home lighting LHD .....	101
Follow-me-home lighting RHD.....	102
Interior lighting, LHD 1:2 .....	103
Interior lighting, RHD 1:2 .....	105
Active headlight .....	107
Auxiliary lights.....	108

### Group 36 Additional electrical equipment

Rain sensor.....	109
Direction indicator and hazard warning flashers LHD S60 .....	110
Direction indicator and hazard warning flashers LHD V60 .....	111
Direction indicator and hazard warning flashers RHD S60.....	112
Direction indicator and hazard warning flashers RHD V60.....	113
Window washer and windshield wiper .....	114
Washer headlights .....	115
Wiper rear window V60.....	116
Horn .....	117
Keyless vehicle 1:2.....	118
Anti-theft alarm .....	120
Parking assistance.....	121
Collision warning with power brake booster .....	122
Tire pressure monitoring system (TPMS).....	123
Alcohol lock.....	124

### Group 37 Wiring and fuses

Diagnostics system .....	125
Outlet 12V .....	126
Outlet 12V, V60.....	127
Cable harness towbar/tow hitch 13-pin S60 .....	128
Cable harness towbar/tow hitch 13-pin V60 .....	129

### Group 38 Instruments

Seat belt reminder.....	130
Driver information system .....	131

### Group 39 Other

Audio Premium 1:3 .....	132
Audio 1:2 .....	135
Cellular phone 1:2.....	137
DAB Radio .....	139
Multimedia monitor with DVD, Dual Screen (RSE) ....	140
TV receiver / TV control module S60 .....	141
TV receiver / TV control module V60 .....	142
Bluetooth Handsfree .....	143
Navigation system and Traffic information, portable..	144
Satellite radio .....	145
Parking camera rear .....	146
Parking camera rear .....	147
Parking camera wide angle front .....	148
Sensus Connected Touch.....	149

### Group 43 Transmission

Transmission M66.....	150
Automatic transmission AWF21 .....	151
Automatic transmission MPS6 .....	152
Differential Electronic Module (DEM).....	153

### Group 55 Parking brake

Electric parking brake .....	154
------------------------------	-----

### Group 59 Brake system

Brake control system & DSTC .....	155
-----------------------------------	-----

### Group 64 Steering

Speed dependent power steering .....	156
--------------------------------------	-----

### Group 76 Shock absorbers

Four-C .....	157
--------------	-----

# Table of Contents 3:3

## Group 83 Doors and openings

Central locking front doors LHD.....	158
Central locking front doors RHD.....	159
Central locking rear doors.....	160
Central locking tailgate S60.....	161
Central locking tailgate V60.....	162
Central locking fuel filler flap.....	163
Signal receiver central locking.....	164
Power windows front doors LHD.....	165
Power windows front doors RHD.....	166
Power windows rear doors.....	167
Power sunroof.....	168

## Group 84 Exterior decorative elements, etc.

Power door mirrors LHD.....	169
Power door mirrors RHD.....	170
Heated door mirrors LHD.....	171
Heated door mirrors RHD.....	172
Blind spot information system LHD 1:2.....	173
Blind spot information system LHD 2:2.....	174
Blind spot information system RHD 1:2.....	175
Blind spot information system RHD 2:2.....	176
Heated windscreen LHD.....	177
Heated windscreen RHD.....	178
Heated rear window.....	179

## Group 85 Interior equipment

Power driver's seat with memory function, LHD.....	180
Power driver's seat with memory function, RHD.....	181
Power passenger seat, LHD.....	182
Power passenger seat, RHD.....	183
Heated steering wheel.....	184
Heated front seats with fans.....	185
Heated front seats without fans.....	186
Heated rear seat.....	187

## Group 87 Climate control system

Climate control system, 4-Cyl. 1:2.....	188
Climate control system 4-Cyl. Diesel 1:2.....	190
Climate control system 5-Cyl. & 6-Cyl. 1:2.....	192
Climate control system PTC-elements.....	194
Parking heater, auxiliary heater.....	195
Parking heater, remote start.....	196

## Group 88 Internal equipment

Supplemental restraint system 1:2.....	197
--	-----

Rear-view mirror with automatic dimming.....	199
Remote control opener garage door.....	200
Power folding headrest.....	201

## Group 89 Body other

Radiator masking blind.....	202
-----------------------------	-----

## Connectors..... 203

## Branching points..... 238

## Cable harness routing in vehicle

Harness engine 4-Cyl. Turbo.....	259
Harness engine, 6-Cyl. Turbo.....	259
Harness engine, 2.0L Diesel.....	260
Harness engine, 2.4L Diesel.....	260
Engine compartment harness LHD.....	261
Engine compartment harness RHD.....	262
Harness dashboard, LHD.....	263
Harness Dashboard, RHD.....	264
Harness Floor, LHD S60.....	265
Harness Floor, RHD S60.....	266
Floor Harness, LHD V60.....	267
Harness Floor, RHD V60.....	268
Harness infotainment, LHD S60.....	269
Harness infotainment, RHD S60.....	270
Harness infotainment, LHD V60.....	271
Harness infotainment, RHD V60.....	272
Roof harness, S60.....	273
Roof harness V60.....	273
Center console harness.....	274
Tunnel harness.....	274
Harness front door, left.....	275
Harness front door, right.....	275
Harness rear door, left.....	276
Harness rear door, right.....	276
Trunk lid/tailgate harness, S60.....	277
Trunk lid/tailgate harness, V60.....	277
Harnesses rear axle.....	278

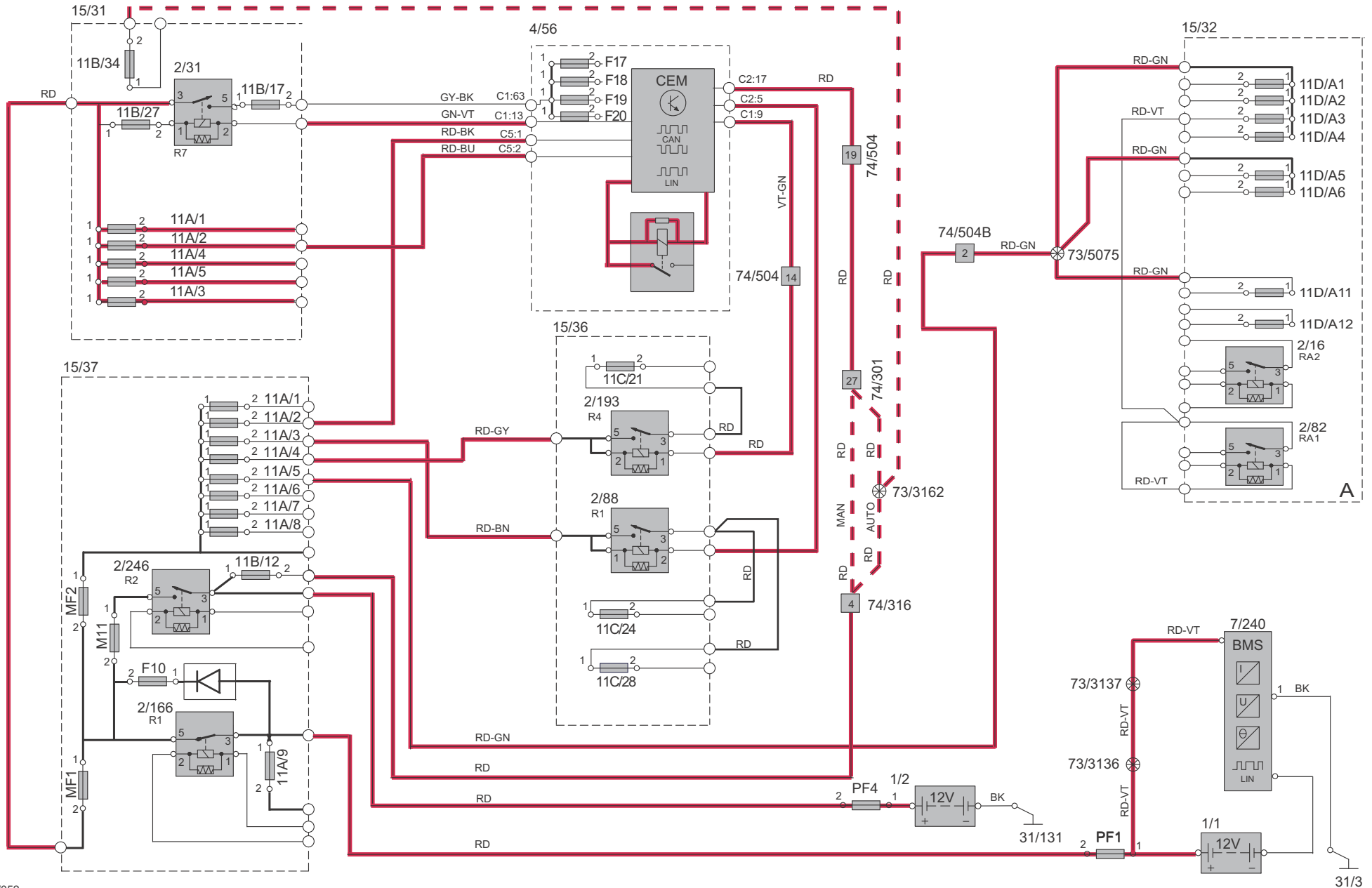
## Component illustrations..... 279

## Index 1:2..... 335

## List of components 1:6..... 337

# Electrical distribution

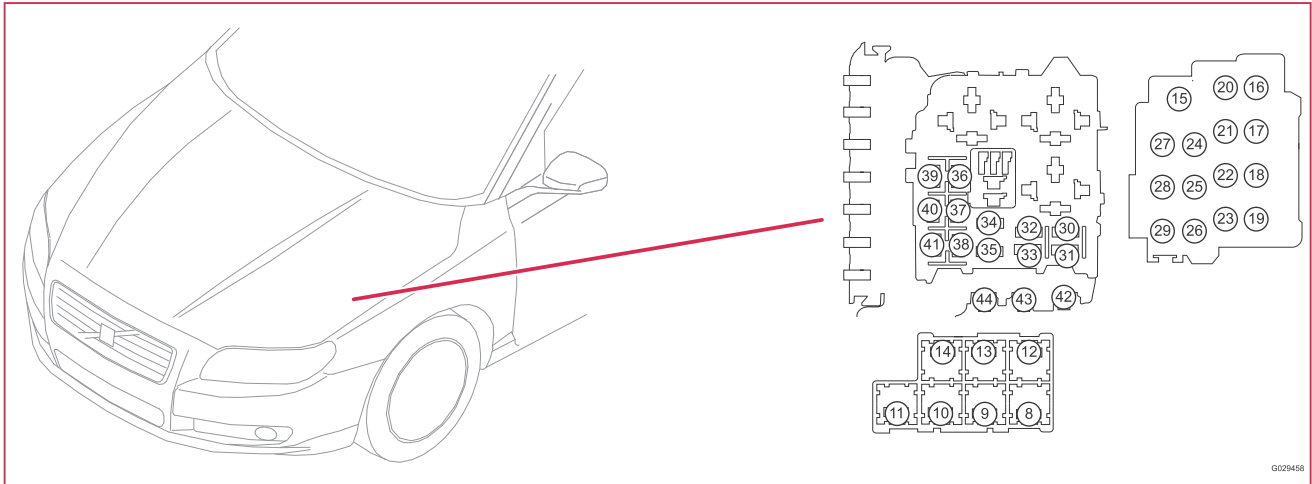
## Overview with Start/stop function



A31W052

# Fuses

## Distribution box in engine compartment F39 - F44



G029458

### 15/31 Distribution box in engine compartment

No.	No.	Fuse function	via	A	
F39	11B/39	7/15 Front heated oxygen sensor, 4-Cyl. Turbo	-	10	
		7/82 Rear heated oxygen sensor bank 1, 4-Cyl. Turbo	-		
		7/15 Front heated oxygen sensor, 4-Cyl. Diesel	-		
				8/111 Control valve fuel flow, 4-Cyl. Diesel	-
				4/136 Radiator masking blind	-
				7/15 Front heated oxygen sensor, 5-Cyl. Diesel	-
				7/15 Front heated oxygen sensor, bank 1, 5-Cyl. Turbo	-
7/215 Rear heated oxygen sensor, 5-Cyl. Turbo	-				
8/18 EVAP valve, 5-Cyl. Turbo	-				
		7/15 Front heated oxygen sensor bank 1, 6-Cyl. Turbo	-	10	
		7/82 Rear heated oxygen sensor bank 1, 6-Cyl. Turbo	-		
		8/18 EVAP valve, 6-Cyl. Turbo	-		
F40	11B/40	6/73 Coolant pump, 4-Cyl. Turbo, Start/Stop	2/14	10	
		2/14 Relay, glow plug system	-		20
		6/179 Electric oil pump, 5-Cyl. & 6-Cyl.	-		
		9/32 PTC resistor crankcase ventilation, 5-Cyl. Turbo	-		
		9/38 Electrically heated fuel filter, 4-Cyl. Diesel	-		
F41	11B/41	6/67 Pump, fuel leakage control 6-Cyl.	-	5	
		9/32 PTC resistor crankcase ventilation, 5-Cyl. Diesel	-	10	
		6/179 Electric transmission oil pump, Diesel	-		
F42	11A/42	4/109 Glow plug control module	-	70	
F43	11A/43	4/71 Control module cooling fan 4-Cyl. Turbo & 4-Cyl. Diesel	-	60	
		4/71 Cooling fan control module, 5-Cyl. Diesel & 6-Cyl.	-	80	
F44	11A/44	6/164 Electrical power steering module (EPS)	-	100	

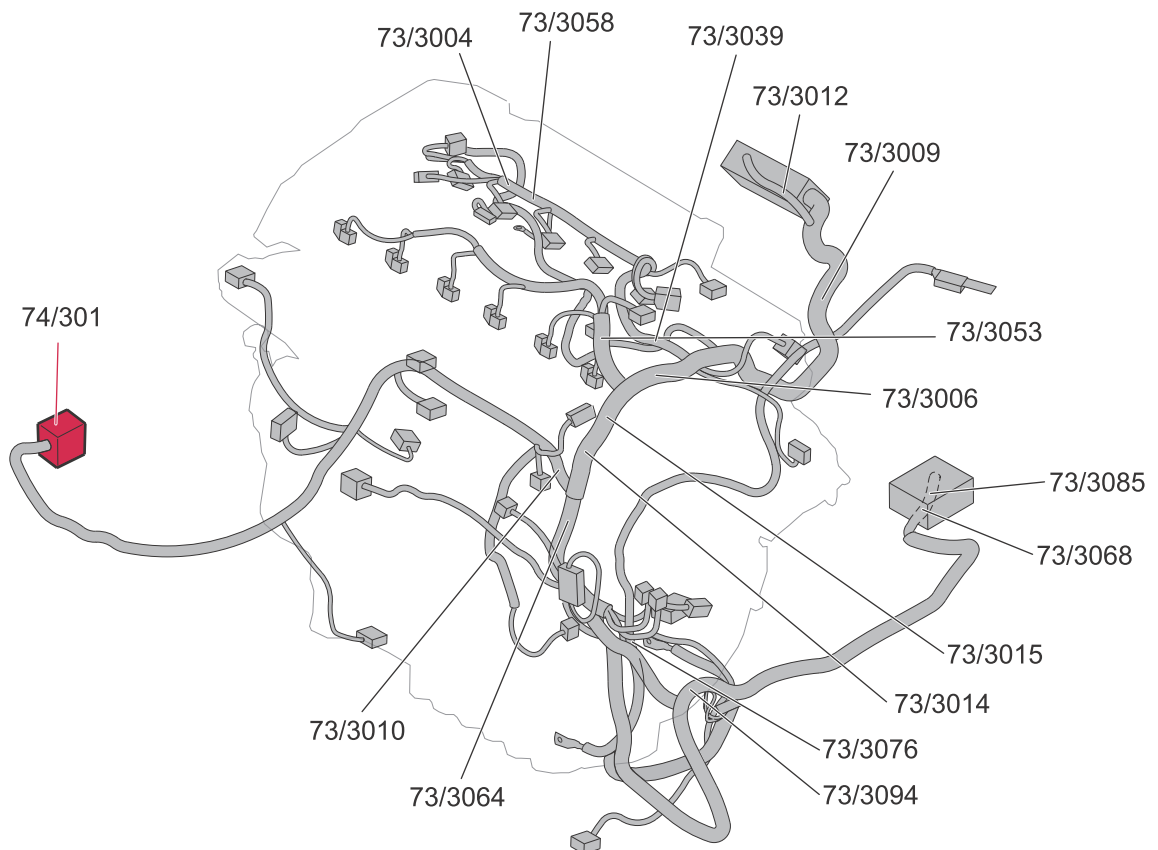


## Cable harness routing in vehicle Harness engine 4-Cyl. Turbo



105127

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



I01402\_T