

Index 1:2

12V outlet 95

A

Abbreviations 8
Accessories 79, 93, 96, 97, 98,
..... 102, 103, 110, 111, 112, 113, 114, 147
Accessory Electronic Module (AEM) 41, 93
Alternator and voltage regulator, Group 32 61
Anti-theft alarm 92
Audio 106
Auto-dimming rearview mirror 150
Automatic beam length adjustment (Bi-Xenon) 68
Automatic transmission AW55-51 115
Auxiliary lights 79

B

Brake control system 118
Brake control system & DSTC 120
Brake control system & STC 119
Brake lights 73
Brake system, Group 59 118
Branching points 174

C

Cable harness routing in vehicle 183
Cellular phone 108
Central Electronic Module 32
Central locking, front doors 122
Central locking, fuel filler flap 126
Central locking, rear doors 123
Central locking, trunk lid/tailgate 124
Child safety lock 125
Climate control system 142
Climate control system, Diesel 144
Climate control system, PTC elements 139
Climate control system, 4-cyl. 140
Climate control system, Group 87 139
Color abbreviations 8
Component illustrations 198
Connectors 151
Control modules 30
Cooling fan 57
Cooling fan, Diesel 58
Cooling system, Group 26 57
Countries/Markets, abbreviations 8
Cruise control, 4-cyl 1.6 60
Cruise control, 5-cyl 59

D

Dashboard harness 188
Data communication, High speed CAN 36
Data communication, LIN 38
Data communication, Low speed CAN 34
Data communication, MOST 37
Diagnostics system 94
Differential Electronic Module (DEM) 117
Direction indicators 80
Direction indicators, Bi-Xenon 81
Doors and openings, Group 83 122
Driver information module 100
Driver's door harness 195

E

Electrical distribution overview 9
Electronic power steering 121
Emission control, 4-cyl 1.8 54
Emission control, 5-cyl 55
Emission control, 5-cyl Turbo 56
Engine compartment harness, 4-cyl. 186
Engine compartment harness, 5-cyl. 186
Engine compartment harness, Turbo 186
Engine control, Group 27 59
Engine harness 183
Engine harness, 4-cyl. 1.6l 183
Engine harness, 4-cyl. 1.8l 183
Engine harness, 5-cyl. 184
Engine harness, Diesel 185, 187
Engine harness, Turbo 184
Engine management system D1.6l 50
Engine management system D2.0l 52
Engine management system, 4-cyl 1.6l 42
Engine management system, 4-cyl 1.8l 44
Engine management system, 5-cyl 46
Engine management system, 5-cyl Turbo 48
Exterior decorative elements, etc., Group 84 131

F

Floor harness 189, 190
Floor harness, V50 191
Fog lights 71
Fog lights LHD, Japan 72
Follow-me-home lighting 75
Front parking assistance 91
Fuel system, Group 23 42
Fuses 11
Fuses by the battery 19
Fuses in the Central Electronic Module
(CEM) 15, 16, 17, 18
Fuses in the engine compartment
distribution box 11, 12, 13, 14

G

Ground connections 24
Group number, abbreviations 8

H

Handsfree Max with Adapter, accessory 113
Handsfree Max, accessory 114
Handsfree Universal, accessory 112
Handsfree Universal, low level audio 111
Handsfree Universal, low level audio, accessory 111
Hazard warning flashers (Bi-Xenon) 81
Headlight washer 83
Heated door mirrors 132
Heated rear window 133
Heated seats 138
High and low beam 65
High and low beam (Bi-Xenon) 66
Horn 86
How to use the wiring diagrams 6

Index 2:2

I

Ignition switch and relays 20

Ignition switch symbols 8

Immobilizer 87

Instrument and control illumination 78

Instruments, Group 38 99

Interior lighting 76

Internal equipment, Group 88 148

K

Keyless Vehicle (KVM) 88

L

Lighting, Group 35 65

List of symbols 7

Low level audio 104

M

Manual beam length adjustment 67

Memory function driver's seat 134, 135

MOST 37, 41

Multimedia 101

O

Other, abbreviations 8

Other, Group 39 101

Overview of control module designations 31

Overview of control module locations 30

Overview of ground connections 24

P

Parking heater, auxiliary heater 146

Passenger door harness 195

Position/parking lights 69

Position/Parking lights, (Bi-Xenon) 70

Power door mirrors 131

Power driver's seat with memory function 134, 135

Power seat, LHD left 136

Power seat, LHD right 137

Power sunroof 130

Power supply 62

Power supply, 4-cyl 61

Power windows, front doors 128

Power windows, rear doors 129

PTC element 139

R

Rear door harness 196

Rear parking assistance 90

Relay, electric engine heater 147

Relays 20

Relays in Engine compartment distribution box 21

Relays in the Central Electronic Module (CEM) 22

Relays, general 20

Reversing lights 74

Roof harness, S40 193

Roof harness, V50 193

S

Seat belt reminder 99

Signal receiver, remote-control, central locking 127

Soldered relays 23

SRS 148

Start Control Module (SCU) 40

Starting system, 4-cyl 63

Starting system, 5-cyl 64

Starting system, Group 33 63

Steering column lock module (SCL) 87

Steering, Group 64 121

Subwoofer, accessory 110

Supplemental Restraint System Module (SRS) 148

T

Table of Contents 3

Tail lights 69

Tail lights (Bi-Xenon) 70

Tow hitch cable harness, 13-pin 98

Tow hitch cable harness, 7-pin 96, 97

Traffic information 101

Transmission M66 116

Transmission, Group 43 115

Trunk lid/tailgate harness 197

Tunnel harness 194

Turn by Turn navigation, Audio 103

Turn by Turn navigation, Low level audio 102

W

Windshield wiper/washer 82

Wiper/washer, rear window 84

Wiring and fuses, Group 37 94