

- A. Battery
- B. Starter
- C. Generator
- D. Ignition/starter switch

### **Connections**

- (A2) Plus connection (15) in instrument panel wiring harness
- (A4) Plus connection -1- in instrument panel, center
- (A5) Plus connection (right turn signal) in instrument panel wiring harness
- (A6) Plus connection (left turn signal) in instrument panel wiring harness
- (A10) Wire connection (glow plug control) in instrument panel wiring harness
- (A11) Positive (+) connection (58b) in instrument cluster wiring harness
- (A13) Wire connection (door contact switch) in instrument panel wiring harness
- (A14) Plus connection (58b) in cigarette lighter wiring harness
- (A16) Wire connection (cruise control) in instrument panel wiring harness
- (A17) Wire connection (61) in instrument panel wiring harness
- (A18) Wire connection (54) in instrument panel wiring harness
- (A19) Wire connection (58d) in instrument panel wiring harness
- (A20) Wire connection (15a) in instrument panel wiring harness
- (A21) Wire connection (86s) in instrument panel harness
- (A23) Wire connection (30al) in instrument panel wiring harness
- (A27) Wire connection (Vehicle speed signal) in instrument panel wiring harness
- (A29) Wire connection (interior light) in instrument panel wiring harness
- (A32) Plus connection (30) in instrument panel wiring harness
- (A34) Wire connection (75x) in instrument panel wiring harness
- (A37) Wire connection (58a) in instrument panel wiring harness
- (A38) Plus connection -2- (15a) in instrument panel wiring harness
- (A40) Plus connection -1- (30) in instrument cluster wiring harness
- (A41) Plus connection (50) in instrument panel wiring harness
- (A45) Wire connection (RPM signal) in instrument panel wiring harness
- (A49) Wire connection -1- in instrument wiring harness
- (A51) Wire connection (56) in instrument panel wiring harness
- (Q22) Wire connection -1- in rear lid wiring harness
- (Q44) Wire connection -2- in tailgate wiring harness
- (A52) Plus connection (30) in instrument panel wiring harness
- (A53) Plus connection (58b) in instrument panel wiring harness
- (A56) Plus connection -2- (30) in instrument panel wiring harness
- (A58) Wire connection (5V) in instrument cluster wiring harness
- (A63) Connector (Mirror adjustment/heated) in instrument panel wiring harness
- (A66) Connector (30a, central locking/anti-theft warning system IR) in instrument panel wiring harness
- (A68) Connection (30, A/C) in instrument wiring harness
- (A74) Connector (15a - fuse 5) in instrument panel wiring harness
- (A76) Connector (K-diagnosis wire) in instrument panel wiring harness
- (A80) Connector (X) in instrument panel wiring harness
- (A83) Connector (daytime running lights) in instrument panel wiring harness
- (A84) Connector (58L) in instrument panel wiring harness
- (A85) Connector (58R) in instrument panel wiring harness
- (A86) Connection (50a) in instrument panel wiring harness
- (A87) Connector (reverse lamp) in instrument panel wiring harness
- (A88) Connector for fog light in instrument panel wiring harness
- (A90) Connection (dual tone horn) in instrument panel wiring harness
- (A96) Connector (53a) in instrument panel wiring harness
- (A97) Connector (53) in instrument panel wiring harness
- (A98) Plus connector -4- (30) in instrument panel wiring harness
- (A99) Connector -1- (87) in instrument panel wiring harness

(A100) Connector -2- (87) in instrument panel wiring harness  
(A101) Connector -3- (87) in instrument panel wiring harness  
(A102) Connector (windshield wiper) in instrument panel wiring harness  
(A104) Plus connector -2- (15) in instrument panel wiring harness  
(A109) Connector -2- (87) Instrument panel wiring harness  
(A110) Connector (fresh air blower) in instrument panel wiring harness  
(A121) Connection (high bus) in instrument panel wiring harness  
(A122) Connection (low bus) in instrument panel wiring harness  
(A125) Wire connection (crash) in instrument panel wiring harness)  
(A126) Connection (contact switch in rear lid) in instrument panel wiring harness  
(A132) Connection (ASR/ESP) in instrument panel wiring harness  
(A133) Connection (ABS signal, left) in instrument panel wiring harness  
(A134) Connection (ABS signal, right) in instrument panel wiring harness  
(A165) Rear lid contact switch connection in instrument panel wiring harness  
(A167) Plus connection -3- (30a) in instrument panel wiring harness  
(B110) Connection (30 window regulator) in interior wiring harness  
(B113) Plus connection (30a) in left interior wiring harness  
(B128) Connector (luggage compartment lamp) in interior wiring harness  
(B129) Connector (interior light 3/L) in interior wiring harness  
(B130) Connector (sliding sunroof) in interior wiring harness  
(B135) Plus connection -1- (15a) in interior wiring harness  
(B146) Plus connector -1- (87) in interior wiring harness  
(B147) Plus connector -2- (87) in wiring harness  
(B156) Plus connector (30a) in interior wiring harness  
(B161) Connection (Alarm system) in interior wiring harness  
(B163) Plus connector -1- (15) in interior wiring harness  
(B164) Plus connector -2- (87) in interior wiring harness  
(B165) Plus connector -2- (15) in interior wiring harness  
(B166) Connection (56a) in passenger compartment wiring harness  
(B167) Connection (56b) in passenger compartment wiring harness  
(B168) Connection (86) in passenger compartment wiring harness  
(B182) Connection (RF) in passenger compartment wiring harness  
(B228) Wire connection (crash) in instrument panel wiring harness  
(B229) Connection (high-bus) in interior wiring harness  
(B230) Connection (low-bus) in interior wiring harness  
(C11) Wire connection in coolant fan wiring harness  
(C25) Wire connection, fog lights in front light wiring harness  
(C80) Wire connection (58b) in rear lid wiring harness  
(D50) Plus connection (RPM signal) in instrument panel wiring harness  
(D52) Plus connection (15a) in engine compartment wiring harness  
(D55) Wire connection (left brake wear indicator) in engine compartment wiring harness  
(D56) Wire connection (left brake wear indicator) in engine compartment wiring harness  
(D61) Wire connection (A/C) in engine compartment wiring harness  
(D74) Wire connection (86) in engine compartment wiring harness  
(D78) Plus connector -1- (30a) in engine compartment wiring harness  
(D95) Wire connection (injectors) in engine compartment wiring harness  
(D98) Wire connection (Glow plugs) in engine compartment wiring harness  
(D101) Connection -1- (in engine compartment wiring harness)  
(D102) Wire connection (50) in instrument panel wiring harness  
(D104) Plus connection -2- (30a) in engine compartment wiring harness  
(D106) Wire connection -4- in engine compartment wiring harness  
(D107) Wire connection -5- in engine compartment wiring harness  
(D140) Connector (injectors) in wiring harness, engine pre-wiring  
(D146) Connector (speed sensor left rear +) in wiring harness engine compartment  
(D147) Connector (speed sensor left rear -) in wiring harness engine compartment

(D148) Connector (speed sensor right rear +) in wiring harness engine compartment  
(D149) Connector (speed sensor right rear -) in wiring harness engine compartment  
(D159) CAN - bus high in engine wiring harness  
(D160) CAN - bus low in engine wiring harness  
(E30) Connector (87a) in engine wiring harness  
(E39) Connection -2- (87a) in engine wiring harness  
(F25) Wire connection -1- diesel direct fuel injection system wiring harness  
(J3) Wire connection -1- in ABS wiring harness  
(J5) Wire connection -2- in ABS wiring harness  
(J7) Wire connection -3- in ABS wiring harness  
(K20) Plus connection -1- (30) in coolant fan wiring harness  
(K21) Wire connection -1- in coolant fan wiring harness  
(L9) Wire connection -1- in A/C wiring harness  
(L32) Wire connection -1- in heater wiring harness  
(L45) Wire connection in A/C wiring harness  
(L66) Connector in heater blower wiring harness  
(L67) Plus connection (75x) in Climatronic wiring harness  
(R6) Plus connection -1- in interior light wiring harness  
(R7) Plus connection -2- in interior light wiring harness  
(R10) Plus connection -1- (30a) in left interior wiring harness  
(R11) Plus connection -2- (30) in drivers door wiring harness  
(R17) Plus connection -2- (30) in passenger door wiring harness  
(R27) Wire connection (power mirror) in drivers door wiring harness  
(R37) Connector (58b) in drivers door wiring harness  
(R51) Connection (58b) in door wiring harness drivers side  
(S14) Connection (open) in central locking system wiring harness  
(S15) Connection (closed) in central locking system wiring harness  
(T80) Connector, 80 point, on engine control module  
(U8) Connector (15a) in automatic transmission wiring harness  
(V14) Wire connection (shielding) in CD changer wiring harness  
(W1) Plus connection (54) in rear wiring harness  
(W11) Wire connection (58) in rear lid wiring harness  
(W16) Connector (contact switch in lock cylinder for rear hatch central locking) in rear wiring harness  
(W28) Plus connection -2- (54) in tail light assembly wiring harness  
(W39) Connection -1- (mirror memory) in floor wiring harness  
(W41) Plus connection (58) in wiring harness  
(W45) Connection -2- (mirror memory) in floor wiring harness

### **Grounds**

(1) Ground strap, battery to body  
(2) Ground strap, transmission to body  
(12) Ground connection in engine compartment, left  
(15) Ground connection in cylinder head  
(32) Ground connection behind instrument panel, left  
(34) Ground connection below drivers seat  
(35) Ground connection below passenger seat  
(42) Ground connection, beside steering column  
(43) Ground connection on right A-pillar, lower part  
(44) Ground connection on left A-pillar, lower part  
(45) Ground connection behind instrument panel  
(49) Ground connection on steering column  
(50) Ground connection in luggage compartment  
(52) Ground connection in rear lid, left  
(57) Ground connection on left, rear pillar  
(77) Ground connection on left B-pillar, lower part

(78) Ground connection on right B-pillar, lower part  
(81) Ground connection -1- in instrument panel  
(85) Ground connection -1- in engine compartment wiring harness  
(86) Ground connection -1- in rear wiring harness  
(96) Ground connection -1- in heated seats wiring harness  
(97) Ground connection -1- in A/C wiring harness  
(98) Ground connection in rear lid wiring harness  
(109) Ground connection in airbag wiring harness  
(110) Ground connection -2- in instrument panel wiring harness  
(114) Ground connection in automatic transmission wiring harness  
(119) Ground connection -1- in headlight harness  
(120) Ground connection -2- in headlight wiring harness  
(128) Ground connection -1- in interior light wiring harness  
(131) Ground connection -2- in engine compartment wiring harness  
(132) Ground connection -3- in engine compartment wiring harness  
(135) Ground connection -2- in instrument panel wiring harness  
(139) Ground connection (sensor ground) in motronic multiport fuel injection wiring harness  
(156) Ground connection in diesel direct fuel injection wiring harness  
(162) Ground connection in blower motor wiring harness  
(163) Ground connection -2- in interior light wiring harness  
(176) Ground connection in right headlight wiring harness  
(179) Ground connection in left headlight wiring harness  
(180) Ground connection -2- in central locking system wiring harness  
(193) Ground connection -1- in coolant fan wiring harness  
(199) Ground connection -3- in instrument panel wiring harness  
(200) Ground connection (Shielding) in engine compartment wiring harness  
(205) Ground connection -2- in instrument panel wiring harness  
(206) Ground connection in passengers door wiring harness  
(220) Ground connection (sensor ground) in engine compartment wiring harness  
(218) Ground connection -1- in rear lid wiring harness  
(219) Ground connection -2- in rear lid wiring harness  
(225) Ground connection -1- in radio wiring harness  
(238) Ground connection in drivers door wiring harness  
(243) Ground connection -1- in Climatronic wiring harness  
(244) Ground connection (sensor ground) in Climatronic wiring harness  
(251) Ground connection in -3- in wiring harness reading lights  
(256) Ground connection -2- in radio wiring harness  
(257) Ground connection -2- in Climatronic wiring harness  
(260) Ground connection in tail light wiring harness  
(267) Ground connector -2- in wiring harness door cable  
(268) Ground connector -2- in wiring harness door cable - passenger side  
(269) Ground connector (sensor ground) -1- in instrument panel wiring harness  
(276) Ground connector-2- in door cable wiring harness drivers side  
(278) Ground connector -4- in interior wiring harness  
(279) Ground connector -5- in interior wiring harness  
(281) Ground connector -1- in wiring harness, engine pre-wiring  
(287) Ground connection in wiring harness rear hatch hydraulics  
(303) Ground connection -3- in passengers door wiring harness  
(304) Ground connection -3- in drivers door wiring harness  
(500) Screw connection -1- (30) on the relay plate  
(501) Screw connection -2- (30) on the relay plate  
(502) Screw connection -1- (30a) on the relay plate  
(503) Screw connection (75x) on the relay plate  
(504) Screw connection -1- (87) on the relay plate  
(607) Ground connection in left plenum chamber

- (608) Ground connection in center plenum chamber
- (609) Ground connection in right plenum chamber