



H330

- **Wiring Diagram**

H330WD2H/1/2

H330 Wiring Diagram

(Version 2.0)

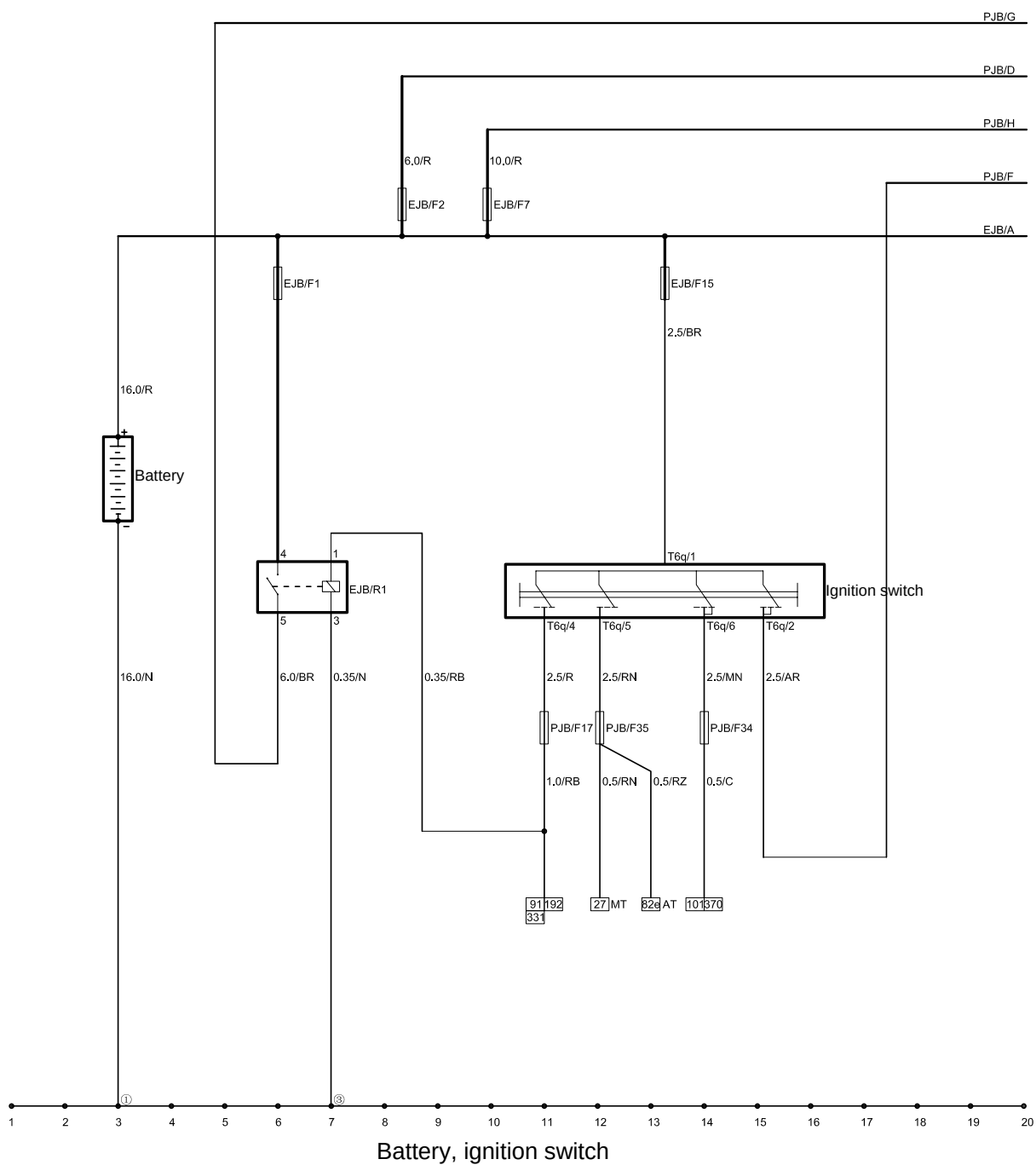
Content

- 1. H330 Schematic and Routing Diagram**
- 2. H330 Component Connector End Views**

H330 Schematic and Routing Diagram

Content

Battery, ignition switch -----	1
Alternator, starter, anti-theft system -----	2
Horn, condenser fan, fuel pump -----	3
Wiper and washer system -----	4
Automatic air conditioner, heating and defrost system -----	5
Radio, steering wheel switch, cigar lighter -----	6
Air bag system -----	7
Brake system -----	8
Reversing radar, outer rearview mirror -----	9
Lights control switch, front fog light -----	10
Front outer lights -----	11
Rear outer lights, inner lights, sunroof -----	12
Combination instrument, diagnostic connector -----	13
Power window system -----	14
Door lock system -----	15
Body control unit -----	16
Manual air conditioner, heating and defrost system -----	17
EPS system -----	18
PEPS system -----	19
BM15-MT engine control system 1 -----	20
BM15-MT engine control system 2 -----	21
BM15-MT engine control system 3 -----	22
BM15-AT engine control system 1 -----	23
BM15-AT engine control system 2 -----	24
BM15-AT engine control system 3 -----	25
BM15-AT engine control system 4 -----	26
BM15-AT engine control system 5 -----	27



EJB-Engine compartment fuse box

PJB-Instrument panel fuse box

T6q-Ignition switch connector, 6 holes, white

EJB A-Connecting, from engine compartment fuse box to battery positive pole

PJB D-Connecting, instrument fuse box binding post

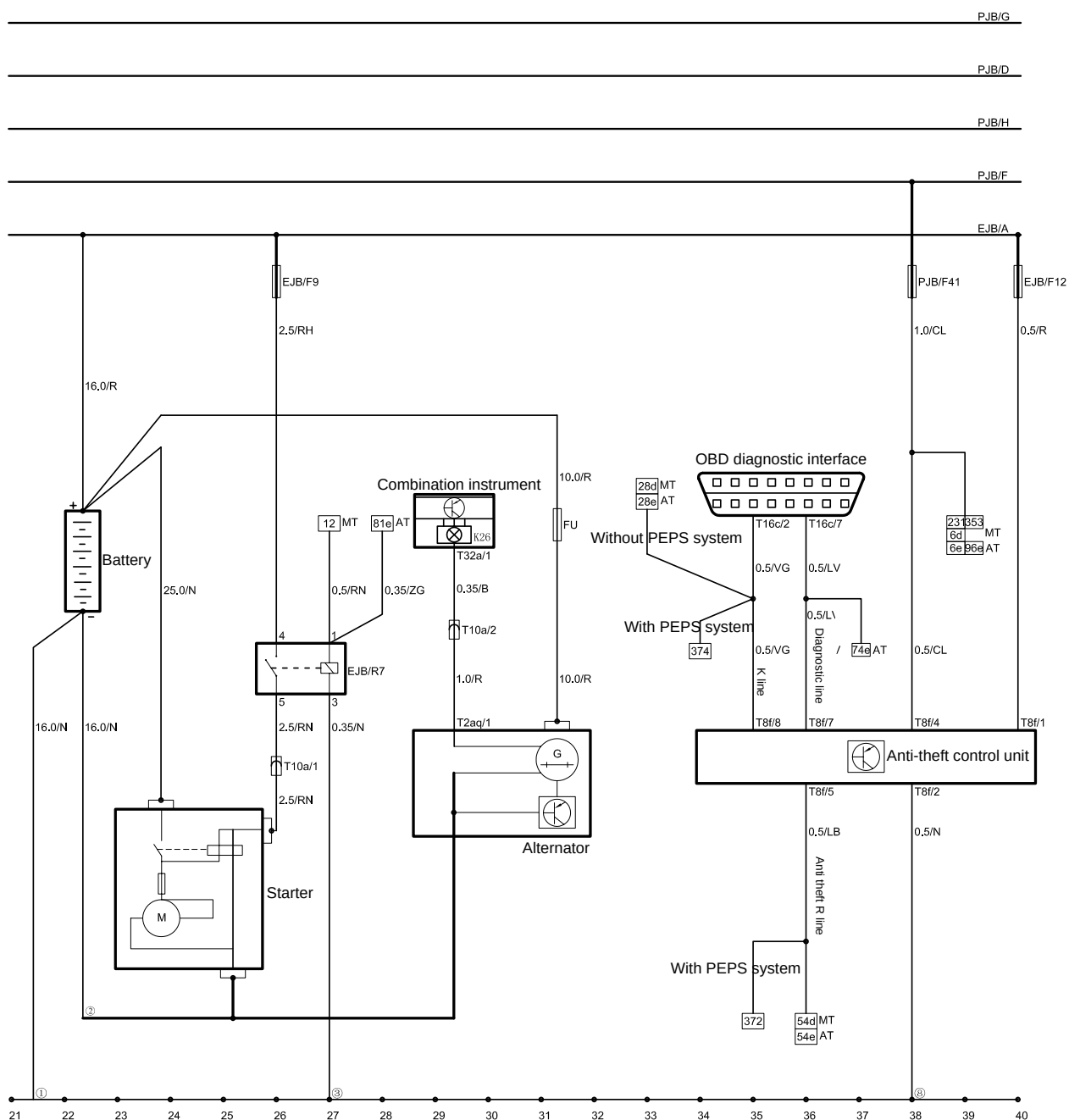
PJB F-Connecting, instrument fuse box binding post

PJB G-Connecting, instrument fuse box binding post

PJB H-Connecting, instrument fuse box binding post

①-Battery negative to body ground

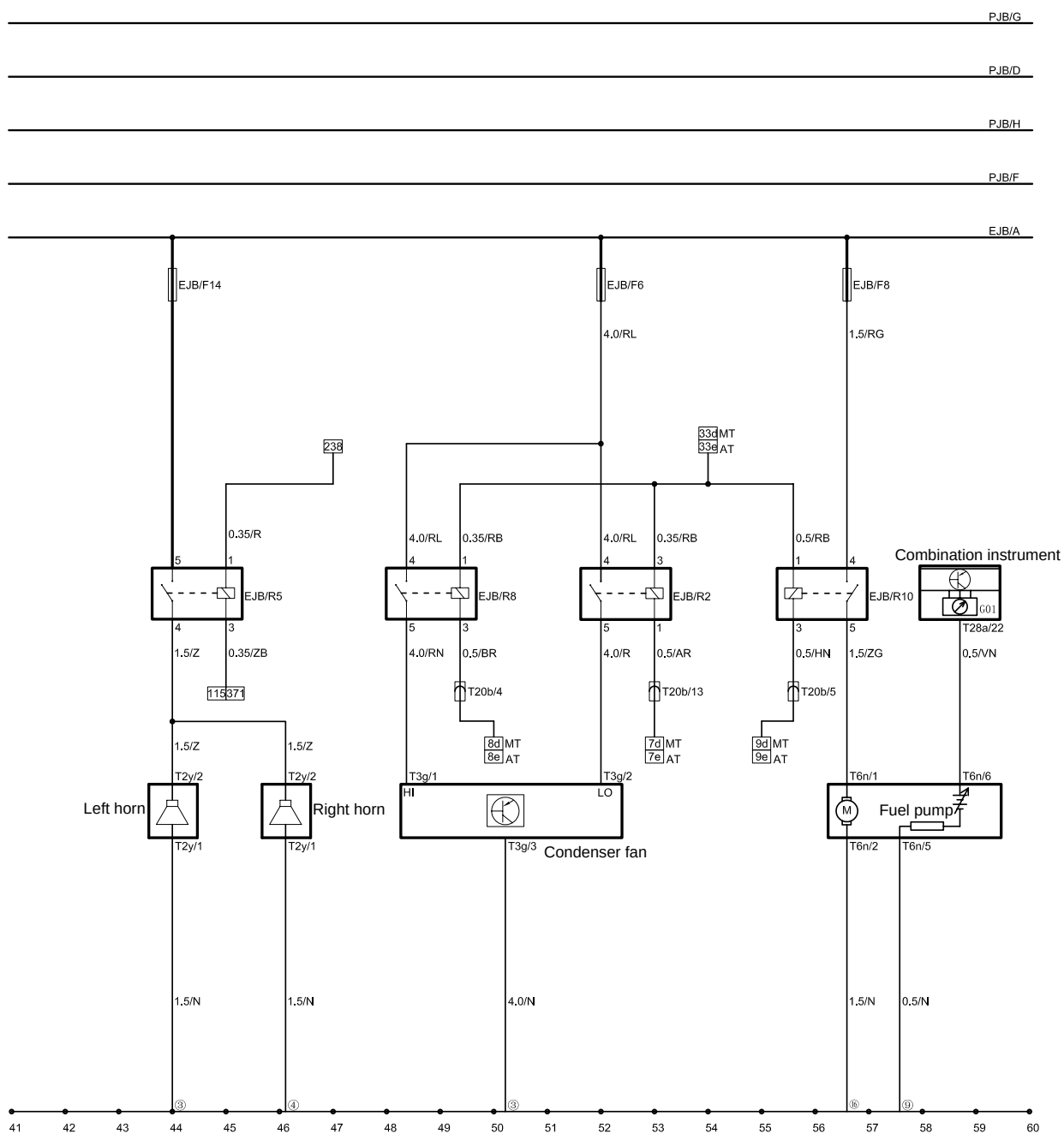
③-FL engine compartment ground



Alternator, starter, anti-theft system

K26-Combination instrument alternator charging indicator
 EJB-Engine compartment fuse box
 PJB-Instrument panel fuse box
 FU-Alternator fuse, on the engine wire harness
 T2aq-Alternator connector, 2 holes, black
 T8f-Anti-theft control unit connector, 8 holes, black
 T10a-Engine and main wire harness plug-in A, 10 holes, black
 T16c-Diagnostic interface connector, 16 holes, black
 T32a-Combination instrument connector A, 32 holes, blue
 EJB A-Connecting, from engine compartment fuse box to battery positive pole
 PJB D-Connecting, instrument panel fuse box binding post
 PJB F-Connecting, instrument panel fuse box binding post
 PJB G-Connecting, instrument panel fuse box binding post
 PJB H-Connecting, instrument panel fuse box binding post

①-Battery negative pole to body ground
 ②-Battery negative pole to engine ground
 ③-FL engine compartment ground
 ⑧-Passenger compartment LH A pillar ground



Horn, condenser fan, fuel pump

G01-Combination instrument fuel level indicator

EJB-Engine compartment fuse box

PJB-Instrument panel fuse box

T2y-Horn connector, 2 holes, black

T3g-Condenser fan connector, 3 holes, black

T6n-Fuel pump connector, 6 holes, brown

T20b-Engine and main wire harness plug-in B, 20 holes, black

T28a-Combination instrument connector B, 28 holes, black

EJB A-Connecting, from engine compartment fuse box to battery positive pole

PJB D-Connecting, instrument panel fuse box binding post

PJB F-Connecting, instrument panel fuse box binding post

PJB G-Connecting, instrument panel fuse box binding post

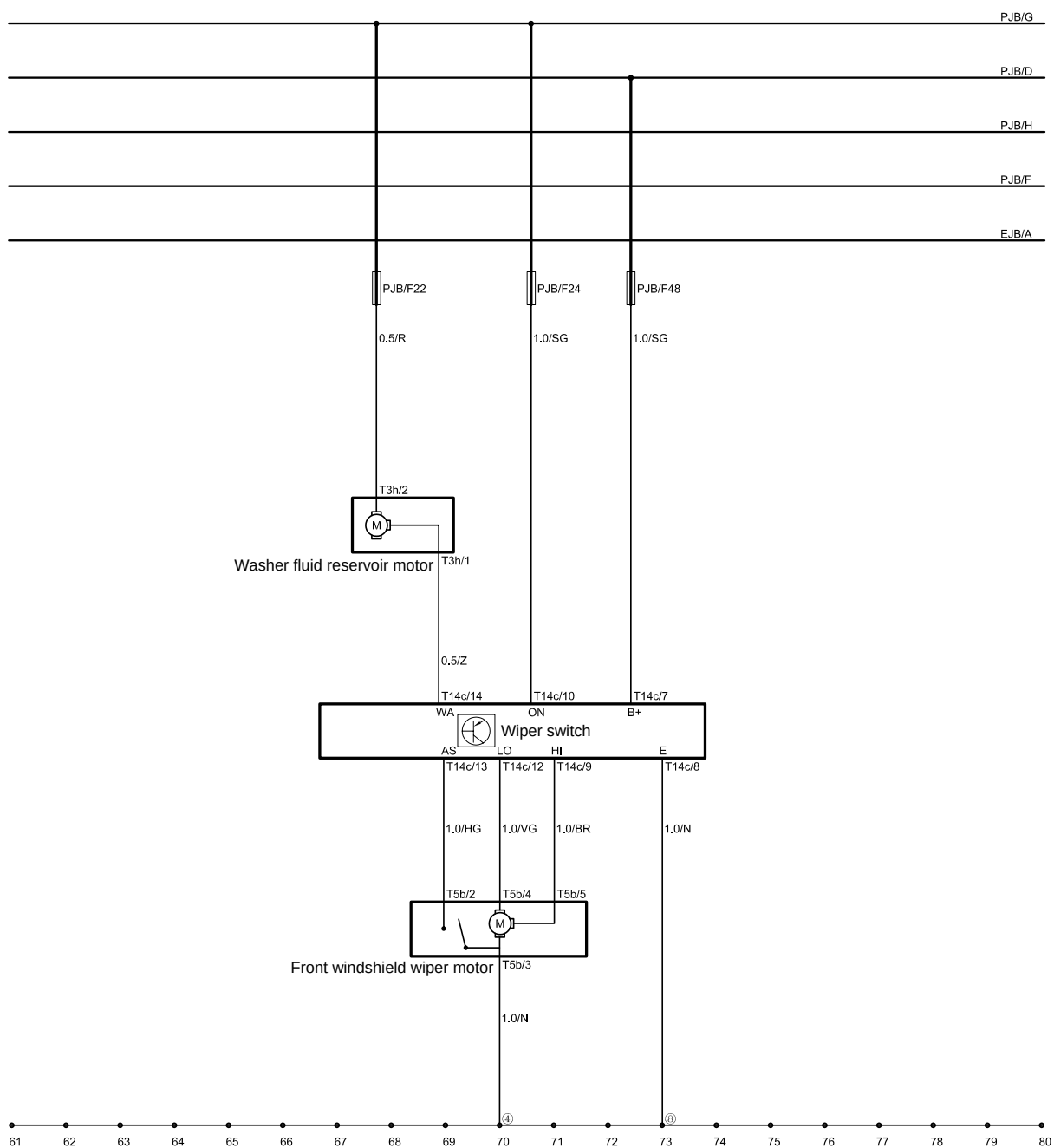
PJB H-Connecting, instrument panel fuse box binding post

③-LF engine compartment ground

④-RF engine compartment ground

⑨-Passenger compartment RH A pillar ground

⑩-Passenger compartment rear seat RH ground



Wiper and washer system

EJB-Engine compartment fuse box

PJB-Instrument panel fuse box

T3h-Washer fluid reservoir motor connector, 3 holes, black

T5b-Front windshield wiper motor connector, 5 holes, black

T14c-Wiper switch connector, 14 holes, white

EJB A-Connecting, from engine compartment fuse box to battery positive pole

PJB D-Connecting, instrument panel fuse box binding post

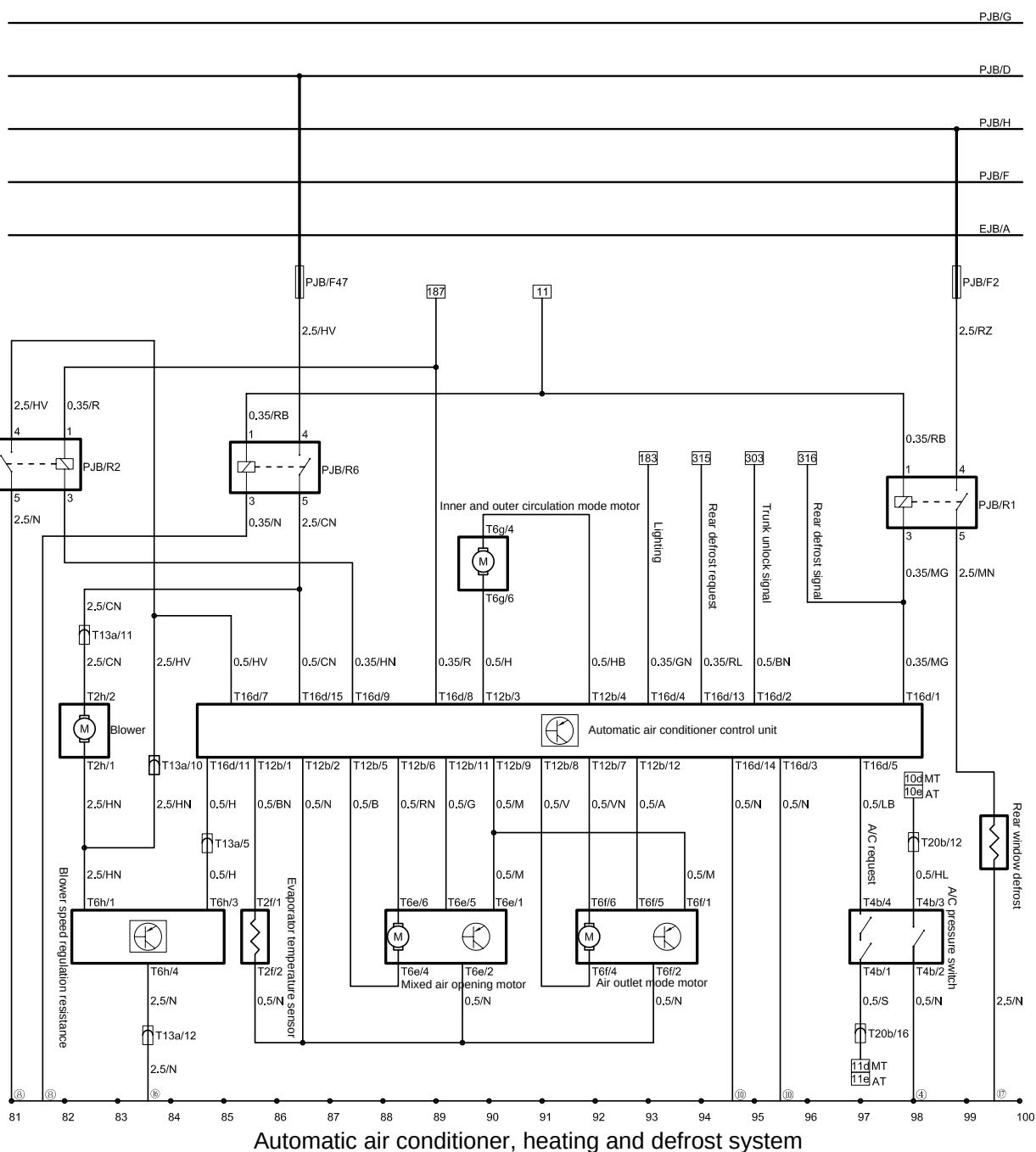
PJB F-Connecting, instrument panel fuse box binding post

PJB G-Connecting, instrument panel fuse box binding post

PJB H-Connecting, instrument panel fuse box binding post

④-RF engine compartment ground

⑧-Passenger compartment LH A pillar ground



EJB-Engine compartment fuse box

PJB-Instrument panel fuse box

T2f-Evaporator temperature sensor connector, 2 holes, white

T2h-Blower connector, 2 holes, white

T4b-A/C pressure switch connector, 4 holes, gray

T6e-Mixed air opening motor connector, 6 holes, green

T6f-Air outlet mode motor connector, 6 holes, green

T6g-Inner and outer circulation mode motor connector, 6 holes, green

T6h-Blower speed regulation resistance connector, 6 holes, white

T12b-A/C control unit connector B, 12 holes, black

T13a-A/C and main wire harness plug-in, 13 holes, white

T16d-A/C control unit connector A, 16 holes, black

T20b-Engine and main wire harness plug-in B, 20 holes, black

EJB A-Connecting, from engine compartment fuse box to battery positive pole

PJB D-Connecting, instrument panel fuse box binding post

PJB F-Connecting, instrument panel fuse box binding post

PJB G-Connecting, instrument panel fuse box binding post

PJB H-Connecting, instrument panel fuse box binding post

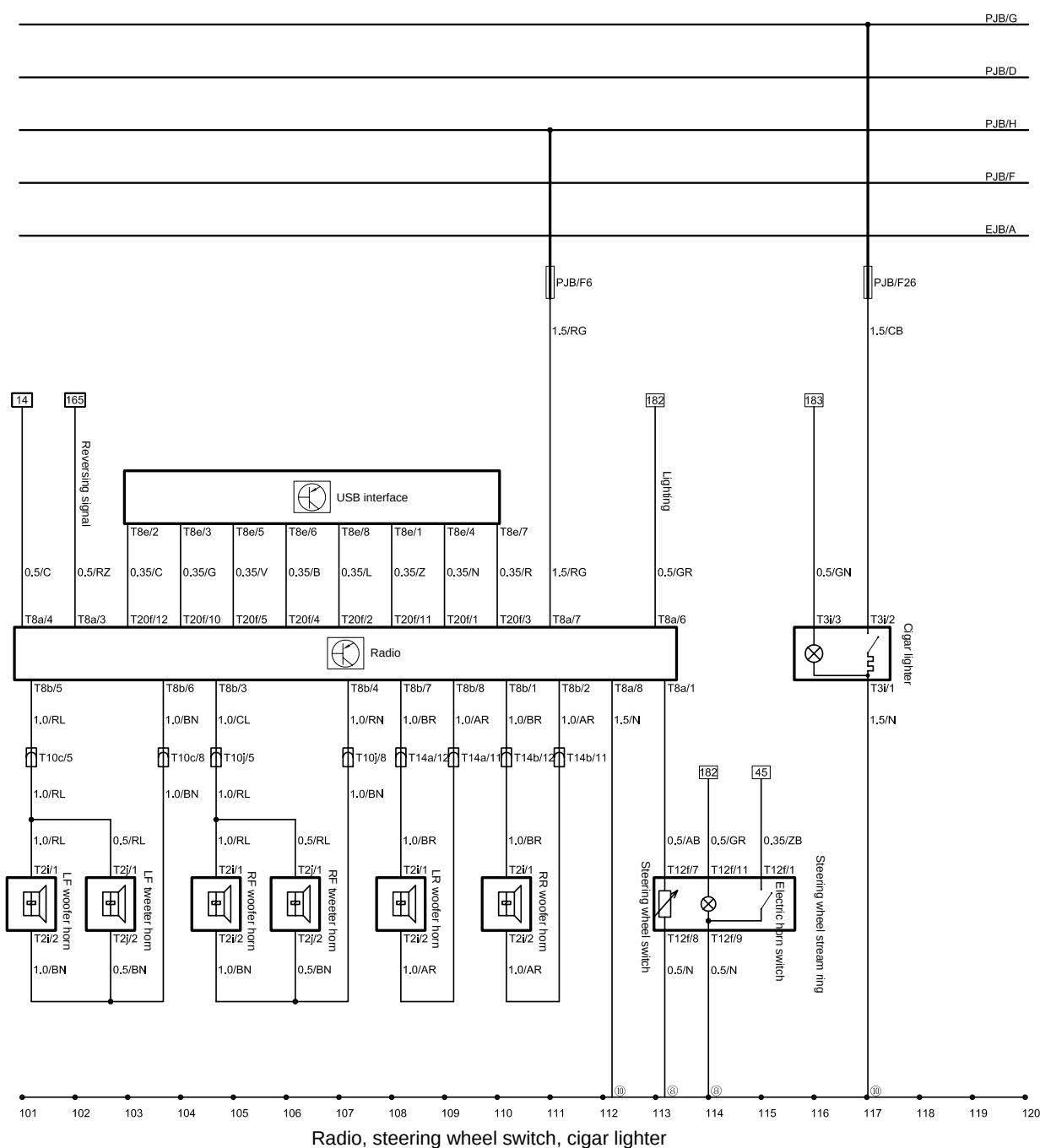
④-RF engine compartment ground

⑧-Passenger compartment LH A pillar ground

⑩-Instrument panel beam ground

⑯-Passenger compartment rear seat RH ground

⑰-Passenger compartment RH C pillar ground



EJB-Engine compartment fuse box

PJB-Instrument panel fuse box

T2i-Bass horn connector, 2 holes, black

T2j-Tweeter horn connector, 2 holes, black

T3i-Cigar lighter connector, 3 holes, white

T8a-Radio connector A, 8 holes, white

T8b-Radio connector B, 8 holes, black

T8e-USB interface connector, 8 holes, black

T10c-LF door and main wire harness plug-in B, 10 holes, white

T10j-RF door and main wire harness plug-in B, 10 holes, white

T12f-Steering wheel stream ring connector, 12 holes, white

T14a-LR door and main wire harness plug-in B, 14 holes, white

T14b-RR door and main wire harness plug-in B, 14 holes, white

T20f-Radio connector C, 20 holes, multi-color

EJB A-Connecting, from engine compartment fuse box to battery positive pole

PJB D-Connecting, instrument panel fuse box binding post

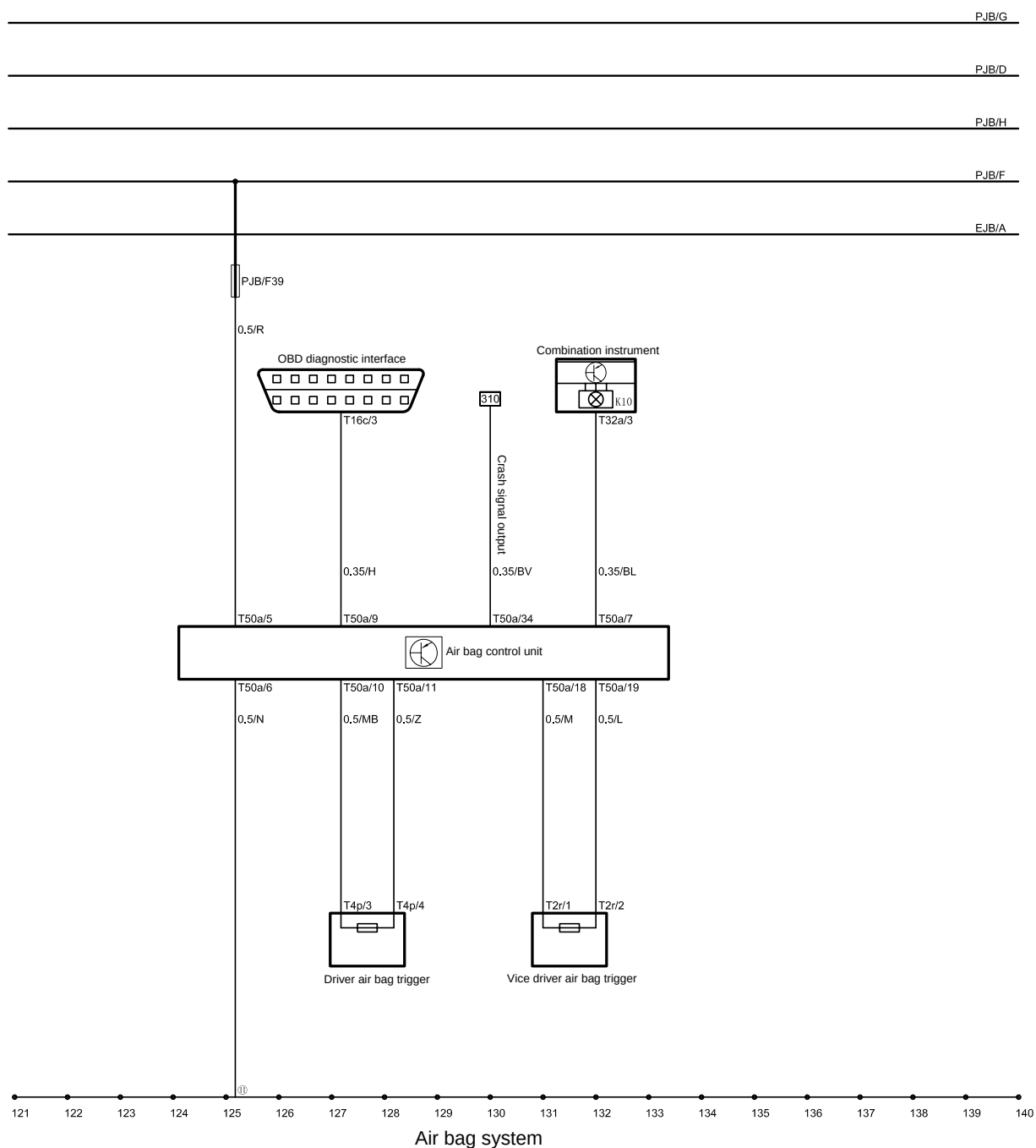
PJB F-Connecting, instrument panel fuse box binding post

PJB G-Connecting, instrument panel fuse box binding post

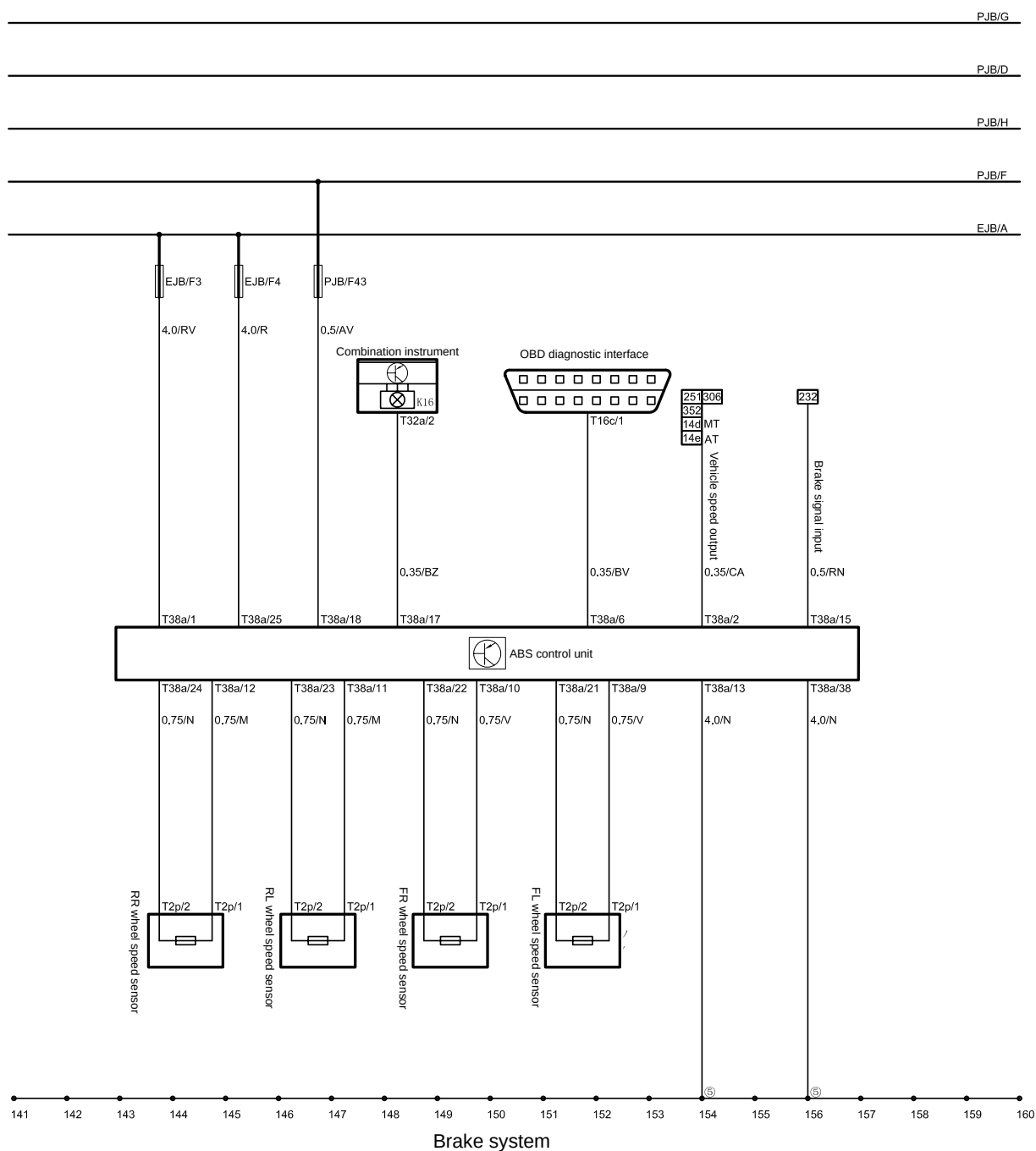
PJB H-Connecting, instrument panel fuse box binding post

⑧-Passenger compartment LH A pillar ground

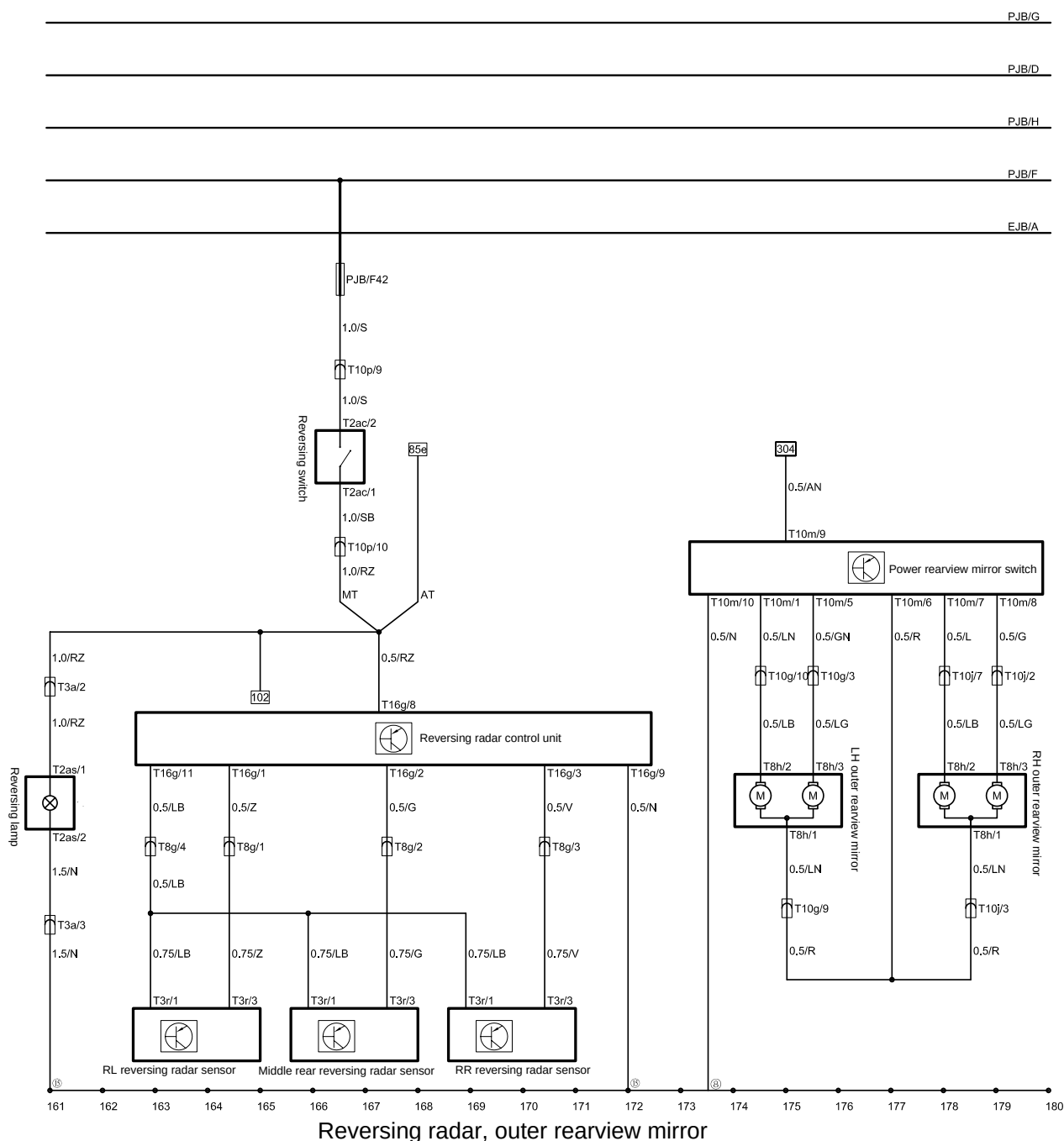
⑩-Instrument panel beam ground



- K10-Combination instrument air bag failure indicator
- EJB-Engine compartment fuse box
- PJB-Instrument panel fuse box
- T2r-Vice driver air bag trigger connector, 2 holes, yellow
- T4p-Driver air bag trigger connector, 4 holes, yellow
- T16c-Diagnostic interface connector, 16 holes, black
- T32a-Combination instrument connector A, 32 holes, blue
- T50a-Double way air bag control unit connector, 50 holes, yellow
- EJB A-Connecting, from engine compartment fuse box to battery positive pole
- PJB D-Connecting, instrument panel fuse box binding post
- PJB F-Connecting, instrument panel fuse box binding post
- PJB G-Connecting, instrument panel fuse box binding post
- PJB H-Connecting, instrument panel fuse box binding post
- ①-Air bag control unit ground



K16-Combination instrument brake system failure indicate
 EJB-Engine compartment fuse box
 PJB-Instrument panel fuse box
 T2p-Wheel speed sensor connector, 2 holes, black
 T16c-Diagnostic interface connector, 16 holes, black
 T32a-Combination instrument connector A, 32 holes, blue
 T38a-Brake system control unit connector, 38 holes, black
 EJB A-Connecting, from engine compartment fuse box to battery positive pole
 PJB D-Connecting, instrument panel fuse box binding post
 PJB F-Connecting, instrument panel fuse box binding post
 PJB G-Connecting, instrument panel fuse box binding post
 PJB H-Connecting, instrument panel fuse box binding post
 ⑤-Brake system ground inside the flow channel



Reversing radar, outer rearview mirror

EJB-Engine compartment fuse box

PJB-Instrument panel fuse box

T2ac-Reversing switch, 2 holes, black(only for MT model)

T2as-Reversing lamp connector, 2 holes, black

T3a-Rear bump and main wire harness plug-in A, 3 holes, white

T3r-Reversing radar sensor connector, 3 holes, white

T8g-Rear bump and main wire harness plug-in B, 8 holes, white

T8h-Outer power rearview mirror connector C, 10 holes, orange

T10g-LF door and main wire harness plug-in C, 10 holes, orange

T10j-RF door and main wire harness plug-in B, 10 holes, white

T10m-Power rearview mirror switch connector, 10 holes, white

T10p-Engine and main wire harness plug-in C, 10 holes, black

T16g-Reversing radar control unit connector, 16 holes, black

EJB A-Connecting, from engine compartment fuse box to battery positive pole

PJB D-Connecting, instrument panel fuse box binding post

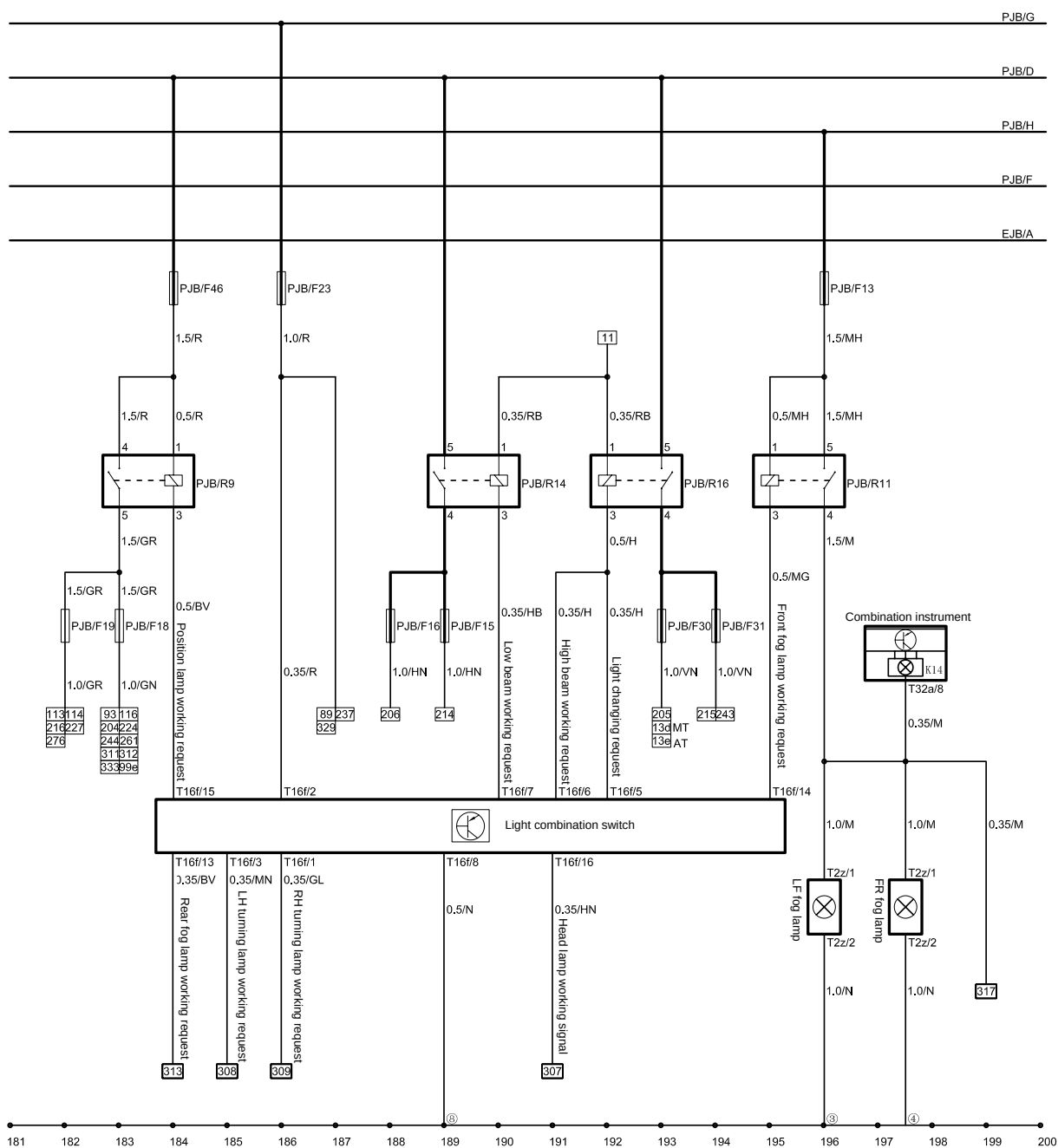
PJB F-Connecting, instrument panel fuse box binding post

PJB G-Connecting, instrument panel fuse box binding post

PJB H-Connecting, instrument panel fuse box binding post

⑧-Passenger compartment LH A pillar ground

⑮-Passenger compartment rear seat LH ground



Lights control switch, front fog light

K14-Combination instrument front fog lamp indicator

EJB-Engine compartment fuse box

PJB-Instrument panel fuse box

T2z-Front fog lamp connector, 2 holes, black

T16f-Lights combination switch connector, 16 holes, black

T32a-Combination instrument connector A, 32 holes, blue

EJB A-Connecting, from engine compartment fuse box to battery positive pole

PJB D-Connecting, instrument panel fuse box binding post

PJB F-Connecting, instrument panel fuse box binding post

PJB G-Connecting, instrument panel fuse box binding post

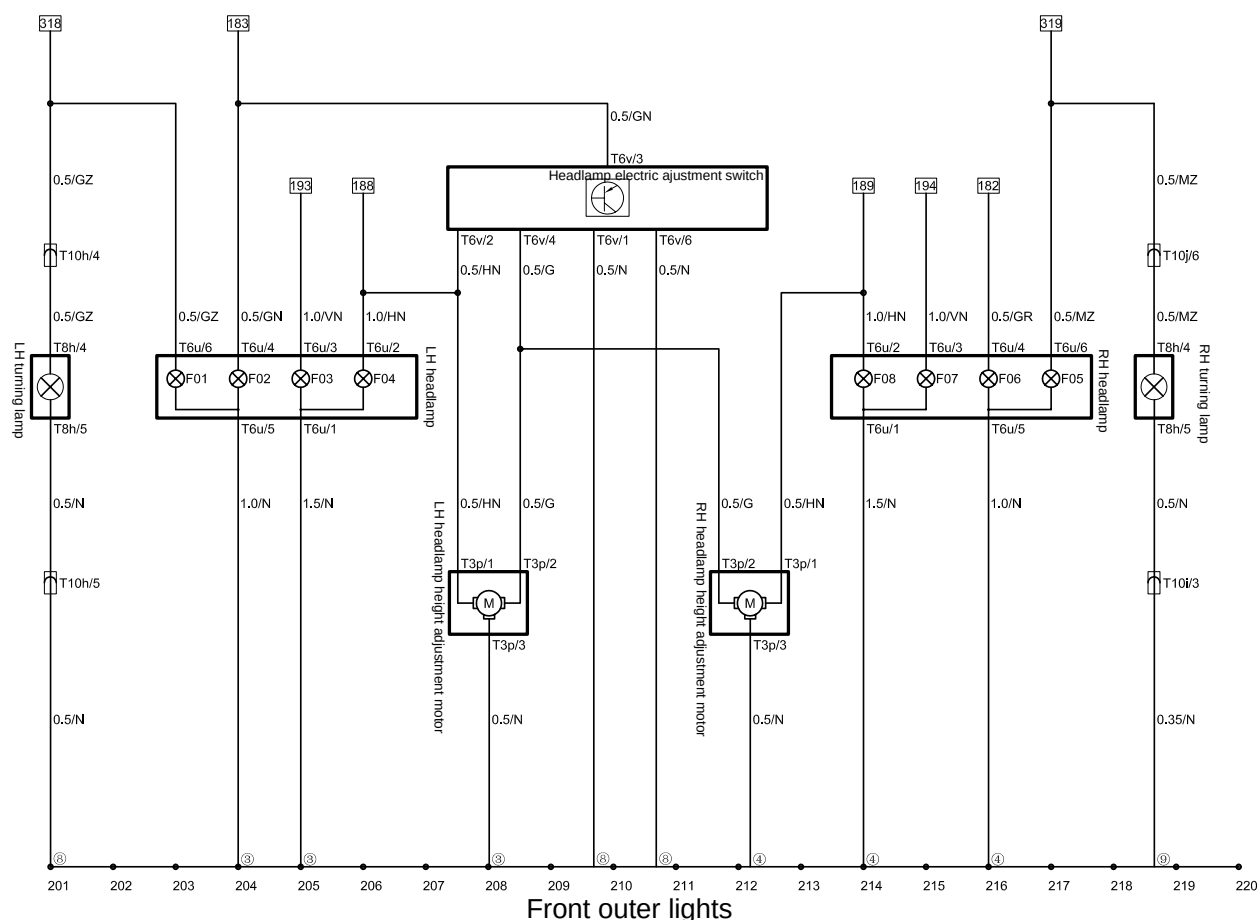
PJB H-Connecting, instrument panel fuse box binding post

③-LF engine compartment ground

④-RF engine compartment ground

⑧-Passenger compartment LH A pillar ground

PJB/G
PJB/D
PJB/H
PJB/F
EJB/A



Front outer lights

F01-LF turning lamp
F02-LF position lamp
F03-LF high beam lamp
F04-LF low beam lamp
F05-RF turning lamp
F06-RF position lamp
F07-RF high beam lamp
F08-RF low beam lamp

EJB-Engine compartment fuse box
PJB-Instrument panel fuse box

T3p-Headlamp height adjustment motor connector, 3 holes, black
T6u-Front headlamp connector, 6 holes, black
T6v-Headlamp electric adjustment switch connector, 6 holes, white
T8h-Outer power rearview mirror connector, 8 holes, yellow
T10h-LF door and main wire harness plug-in A, 10 holes, black
T10i-RF door and main wire harness plug-in A, 10 holes, black
T10j-RF door and main wire harness plug-in B, 10 holes, white

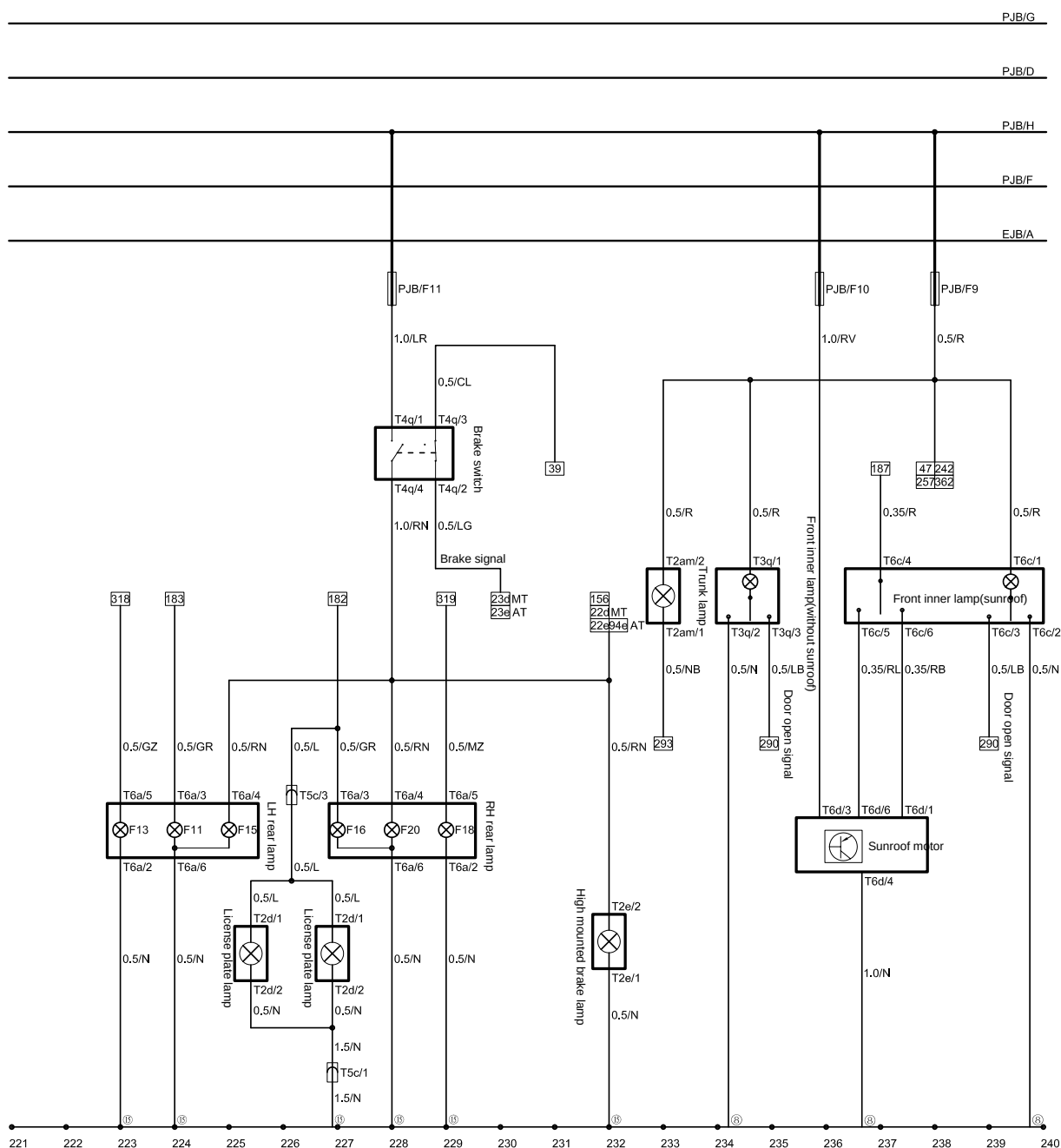
EJB A-Connecting, from engine compartment fuse box to battery positive pole
PJB D-Connecting, instrument panel fuse box binding post
PJB F-Connecting, instrument panel fuse box binding post
PJB G-Connecting, instrument panel fuse box binding post
PJB H-Connecting, instrument panel fuse box binding post

③-LF engine compartment ground

④-RF engine compartment ground

⑧-Passenger compartment LH A pillar ground

⑨-Passenger compartment RH A pillar ground



Rear outer lights, inner lights, sunroof

F11-RL position lamp
F13-RL turning lamp
F15-RL brake lamp
F16-RR position lamp
F18-RR turning lamp
F20-RR brake lamp

EJB-Engine compartment fuse box
PJB-Instrument panel fuse box

T2d-License plate lamp connector, 2 holes, black
T2e-High-mounted brake lamp connector, 2 holes, white
T2am-Trunk lamp connector, 2 holes, white
T3q-Front inner lamp(without sunroof) connector, 3 holes, white
T4q-Brake switch connector, 4 holes, black
T5c-Trunk and main wire harness plug-in A, 5 holes, black
T6a-Rear lamp connector, 6 holes, white
T6c-Front inner lamp(with sunroof) connector, 6 holes, white
T6d-Sunroof motor connector, 6 holes, grey

EJB A-Connecting, from engine compartment fuse box to battery positive pole

PJB D-Connecting, instrument panel fuse box binding post

PJB F-Connecting, instrument panel fuse box binding post

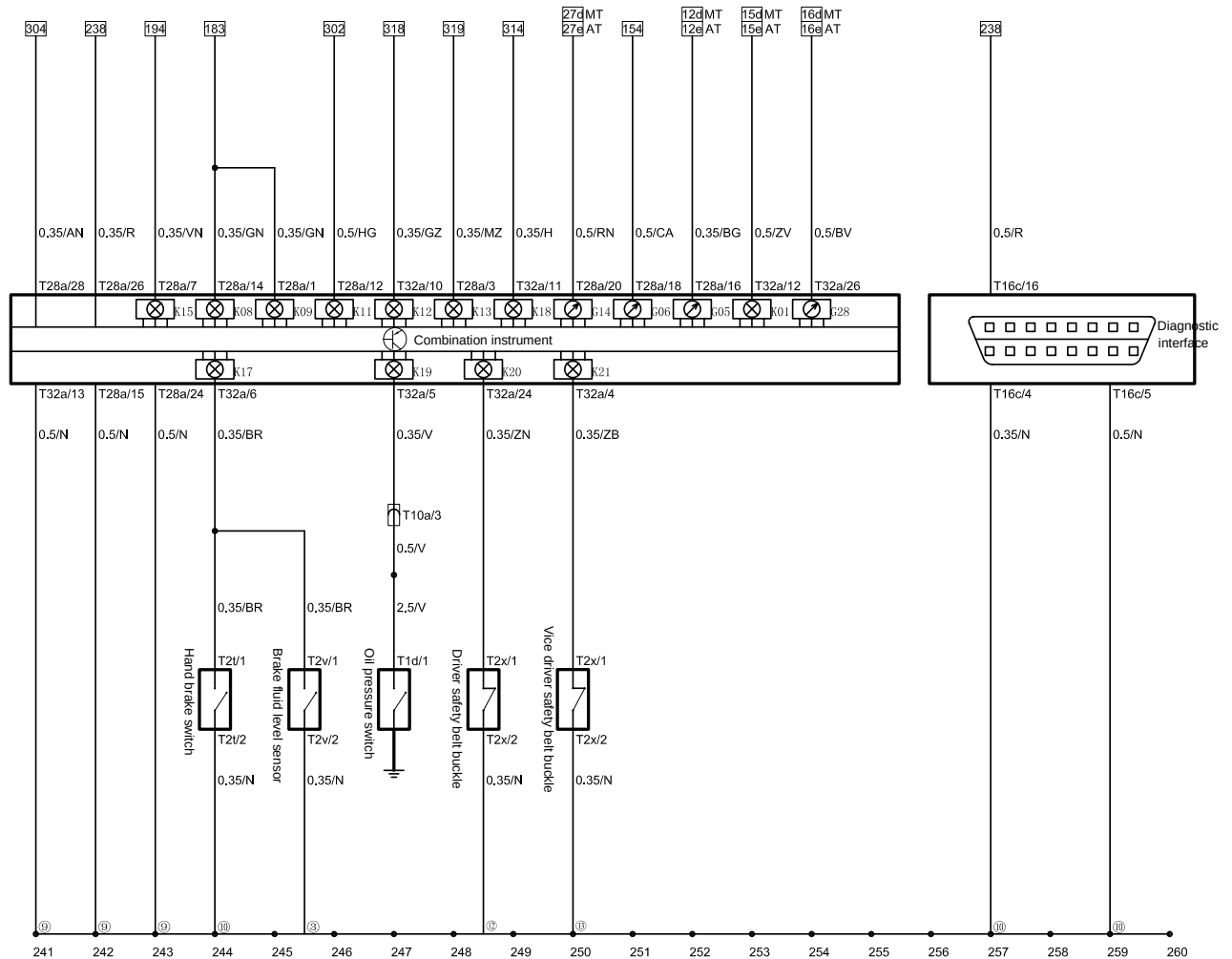
PJB G-Connecting, instrument panel fuse box binding post

PJB H-Connecting, instrument panel fuse box binding post

⑧-Passenger compartment LH A pillar ground

⑩-Passenger compartment rear seat LH ground

PJB/G
PJB/D
PJB/H
PJB/F
EJB/A



Combination instrument, diagnostic interface

K01-Engine failure indicator

K08-Background light

K09-Position lamp indicator

K11-Rear fog lamp indicator

K12-Turn left indicator

K13-Turn right indicator

K15-High beam indicator

K17-Brake system indicator

K18-Door opening indicator

K19-Oil pressure alarm indicator

K20-Driver safety belt indicator

K21-Vice driver safety belt indicator

G05-Revolution speed indication

G06-Vehicle speed indication

G14-Coolant temperature indication

G28-Instantaneous fuel consumption indication

EJB-Engine compartment fuse box

PJB-Instrument panel fuse box

T1d-Oil pressure sensor connector, 1 hole

T2t-Hand brake switch connector, 2 holes, black

T2v-Brake fluid level sensor connector, 2 holes, grey

T2x-Safety belt buckle connector, 2 holes, white

T10a-Engine and main wire harness plug-in A, 10 holes, black

T16c-Diagnostic interface connector, 16 holes, black

T28a-Combination instrument connector B, 28 holes, black

T32a-Combination instrument connector A, 32 holes, blue

EJB A-Connecting, from engine compartment fuse box to battery positive pole

PJB D-Connecting, instrument panel fuse box binding post

PJB F-Connecting, instrument panel fuse box binding post

PJB G-Connecting, instrument panel fuse box binding post

PJB H-Connecting, instrument panel fuse box binding post

③-FL engine compartment ground

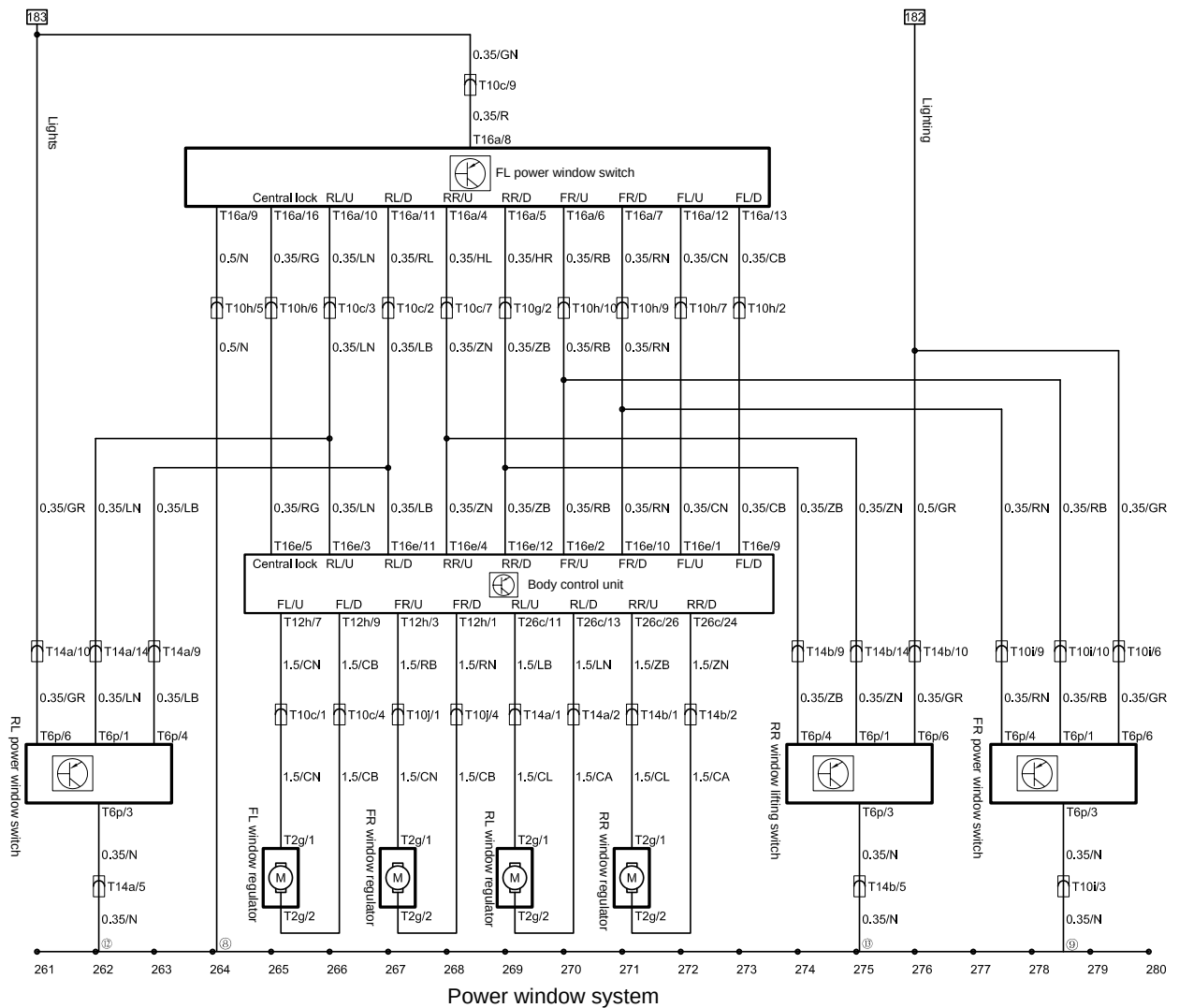
⑨-Passenger compartment RH A pillar ground

⑩-Instrument beam ground

⑫-Passenger compartment LH B pillar ground

⑬-Passenger compartment RH B pillar ground

PJB/G
PJB/D
PJB/H
PJB/F
EJB/A



EJB-Engine compartment fuse box

PJB-Instrument panel fuse box

T2g-Power window motor connector, 2 holes, white

T6p-Power window switch connector, 6 holes, black

T10c-FL door and main wire harness plug-in B, 10 holes, white

T10g-FL door and main wire harness plug-in C, 10 holes, orange

T10h-FL door and main wire harness plug-in A, 10 holes, black

T10i-FR door and main wire harness plug-in A, 10 holes, black

T10j-FR door and main wire harness plug-in B, 10 holes, white

T12h-Body control unit connector A, 12 holes, white

T14a-RL door and main wire harness plug-in, 14 holes, white

T14b-RR door and main wire harness plug-in, 14 holes, white

T16a-FL power window switch connector, 16 holes, brown

T16e-Body control unit connector C, 16 holes, white

T26c-Body control unit connector B, 26 holes, white

EJB A-Connecting, from engine compartment fuse box to battery positive pole

PJB D-Connecting, instrument panel fuse box binding post

PJB F-Connecting, instrument panel fuse box binding post

PJB G-Connecting, instrument panel fuse box binding post

PJB H-Connecting, instrument panel fuse box binding post

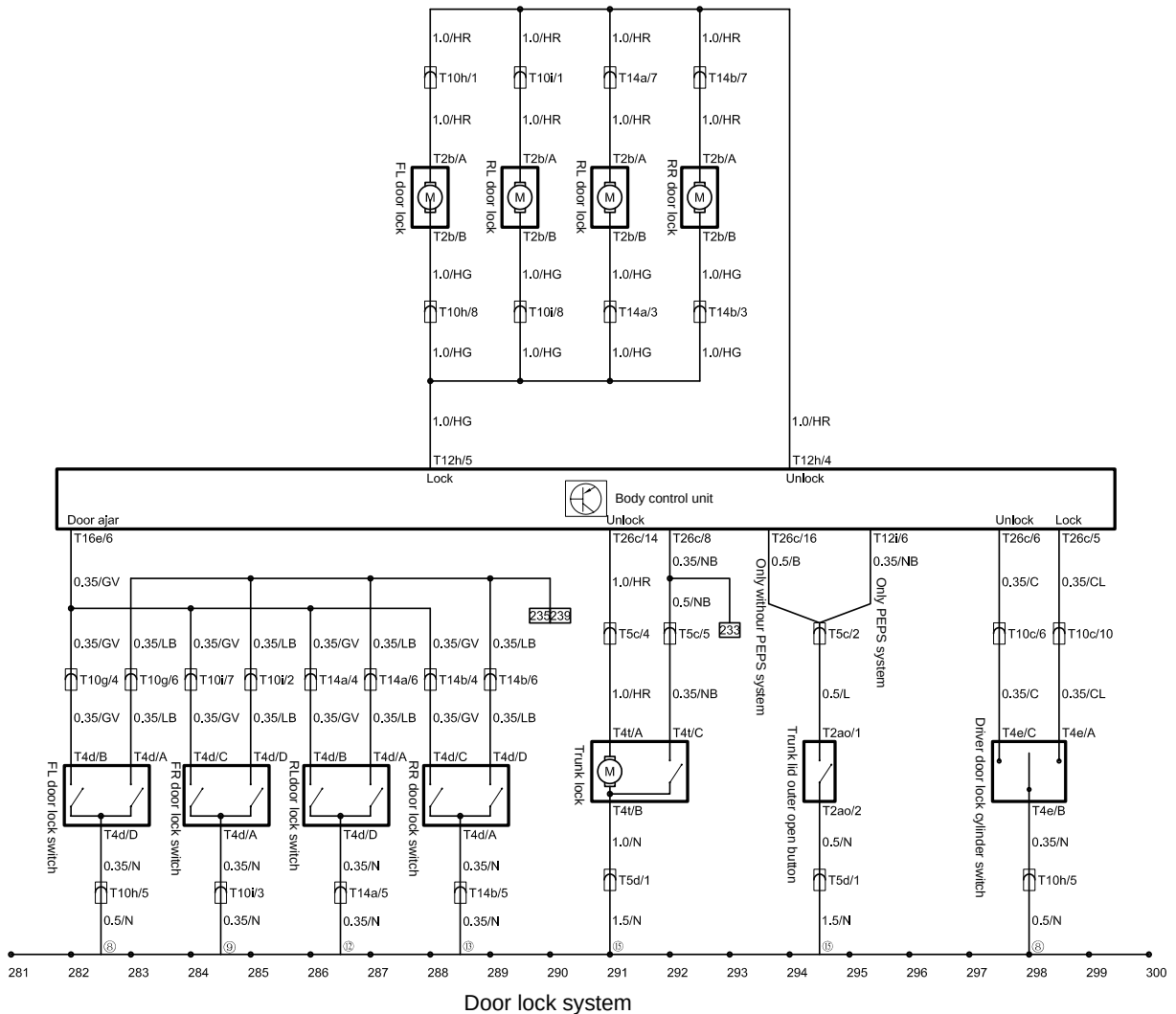
⑧-Passenger compartment LH A pillar ground

⑨-Passenger compartment RH A pillar ground

⑫-Passenger compartment LH B pillar ground

⑬-Passenger compartment RH B pillar ground

	PJB/G
	PJB/D
	PJB/H
	PJB/F
	EJB/A



EJB-Engine compartment fuse box

PJB-Instrument panel fuse box

T2b-Door lock motor connector, 2 holes, black

T2ao-Trunk lid outer open button connector, 2 holes, white

T4d-Door lock micro switch connector, 4 holes, black

T4e-Driver door lock cylinder switch connector, 4 holes, grey

T4t-Trunk lock motor connector, 4 holes, white

T5c-Trunk and main wire harness plug-in A, 5 holes, black

T5d-Trunk and main wire harness plug-in B, 5 holes, brown

T10c-FL door and main wire harness plug-in B, 10 holes, white

T10g-FL door and main wire harness plug-in C, 10 holes, orange

T10h-FL door and main wire harness plug-in A, 10 holes, black

T10i-FR door and main wire harness plug-in A, 10 holes, black

T12h-Body control unit connector A, 12 holes, white

T12i-Body control unit connector E, 12 holes, white

T14a-RL door and main wire harness plug-in, 14 holes, white

T14b-RR door and main wire harness plug-in, 14 holes, white

T16e-Body control unit connector C, 16 holes, white

T26c-Body control unit connector B, 26 holes, white

EJB A-Connecting, from engine compartment fuse box to battery positive pole

PJB D-Connecting, instrument panel fuse box binding post

PJB F-Connecting, instrument panel fuse box binding post

PJB G-Connecting, instrument panel fuse box binding post

PJB H-Connecting, instrument panel fuse box binding post

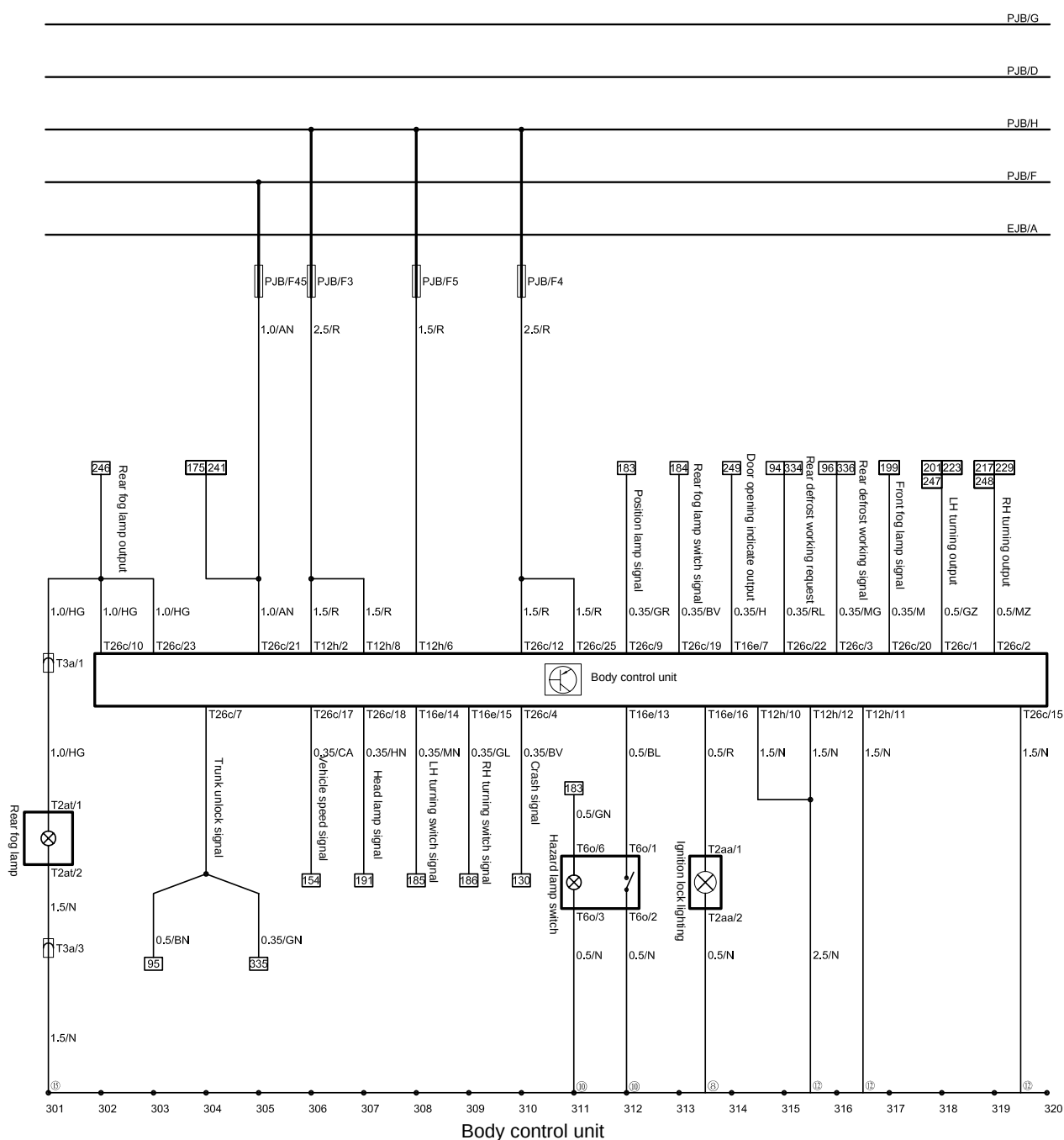
⑧-Passenger compartment LH A pillar ground

⑨-Passenger compartment RH A pillar ground

⑩-Passenger compartment LH B pillar ground

⑪-Passenger compartment RH B pillar ground

⑫-Passenger compartment rear seat LH ground



EJB-Engine compartment fuse box

PJB-Instrument panel fuse box

T2aa-Ignition lock light connector, 2 holes, white

T2at-Rear fog lamp connector, 2 holes, black

T3a-Rear bump and main wire harness plug-in A, 3 holes, white

T4k-RH rail door and main wire harness plug-in, 4 holes, white

T5c-Trunk and main wire harness plug-in A, 5 holes, black

T6o-Hazard warning switch connector, 6 holes, blue

T12h-Body control unit connector A, 12 holes, white

T16e-Body control unit connector C, 16 holes, white

T26c-Body control unit connector B, 26 holes, white

EJB A-Connecting, from engine compartment fuse box to battery positive pole

PJB D-Connecting, instrument panel fuse box binding post

PJB F-Connecting, instrument panel fuse box binding post

PJB G-Connecting, instrument panel fuse box binding post

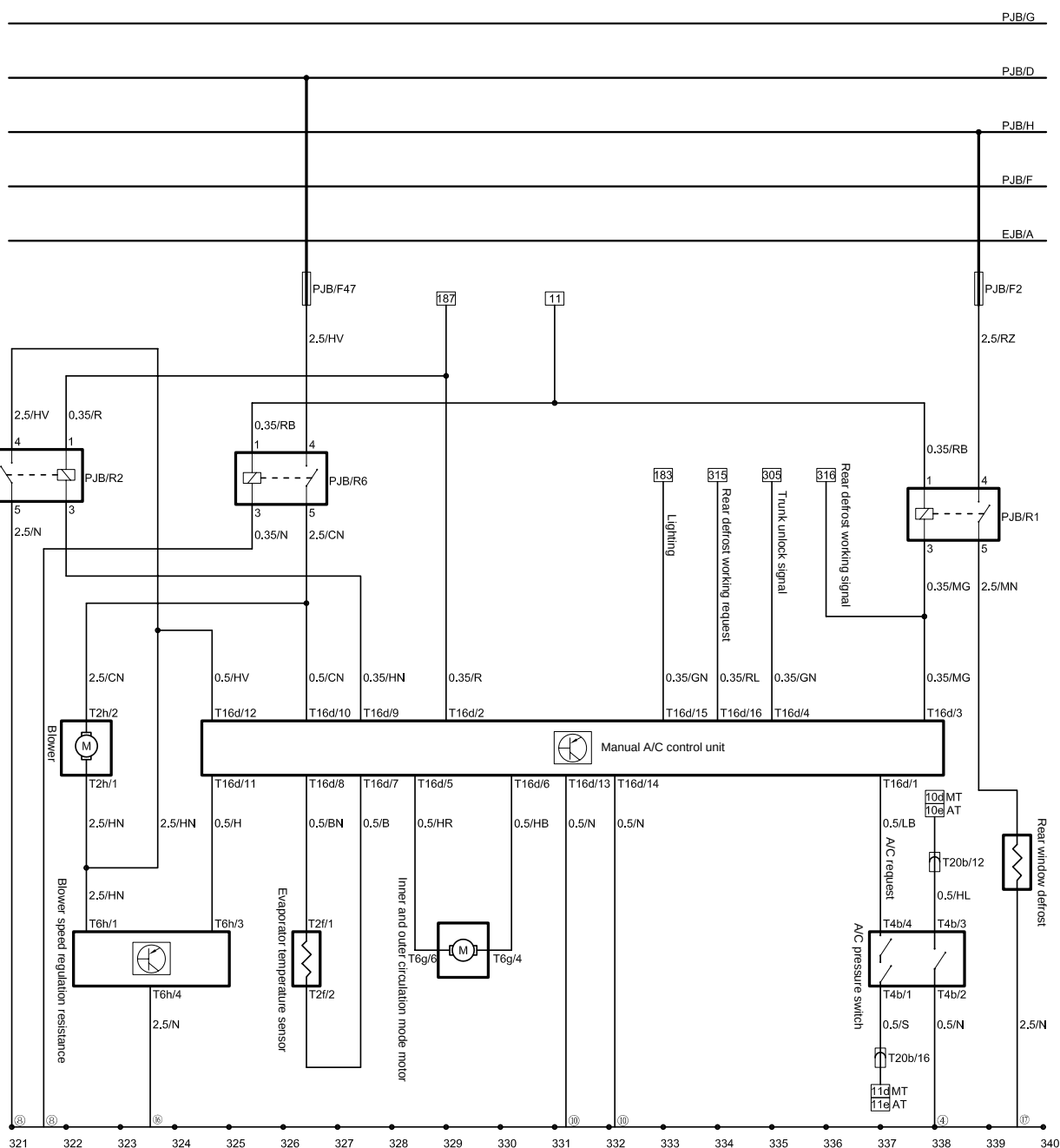
PJB H-Connecting, instrument panel fuse box binding post

⑧-Passenger compartment LH A pillar ground

⑩-Instrument beam ground

⑫-Passenger compartment LH B pillar ground

⑮-Passenger compartment rear seat LH ground



EJB-Engine compartment fuse box

PJB-Instrument panel fuse box

T2f-Evaporator temperature sensor connector, 2 holes, white

T2h-Blower connector, 2 holes, white

T4b-A/C pressure switch connector, 4 holes, grey

T6g-Inner and outer circulation mode motor connector, 6 holes, green

T6h-Blower speed regulation resistance connector, 6 holes, white

T16d-A/C control unit connector A, 16 holes, black

T20b-Engine and main wire harness plug-in B, 20 holes, black

EJB A-Connecting, from engine compartment fuse box to battery positive pole

PJB D-Connecting, instrument panel fuse box binding post

PJB F-Connecting, instrument panel fuse box binding post

PJB G-Connecting, instrument panel fuse box binding post

PJB H-Connecting, instrument panel fuse box binding post

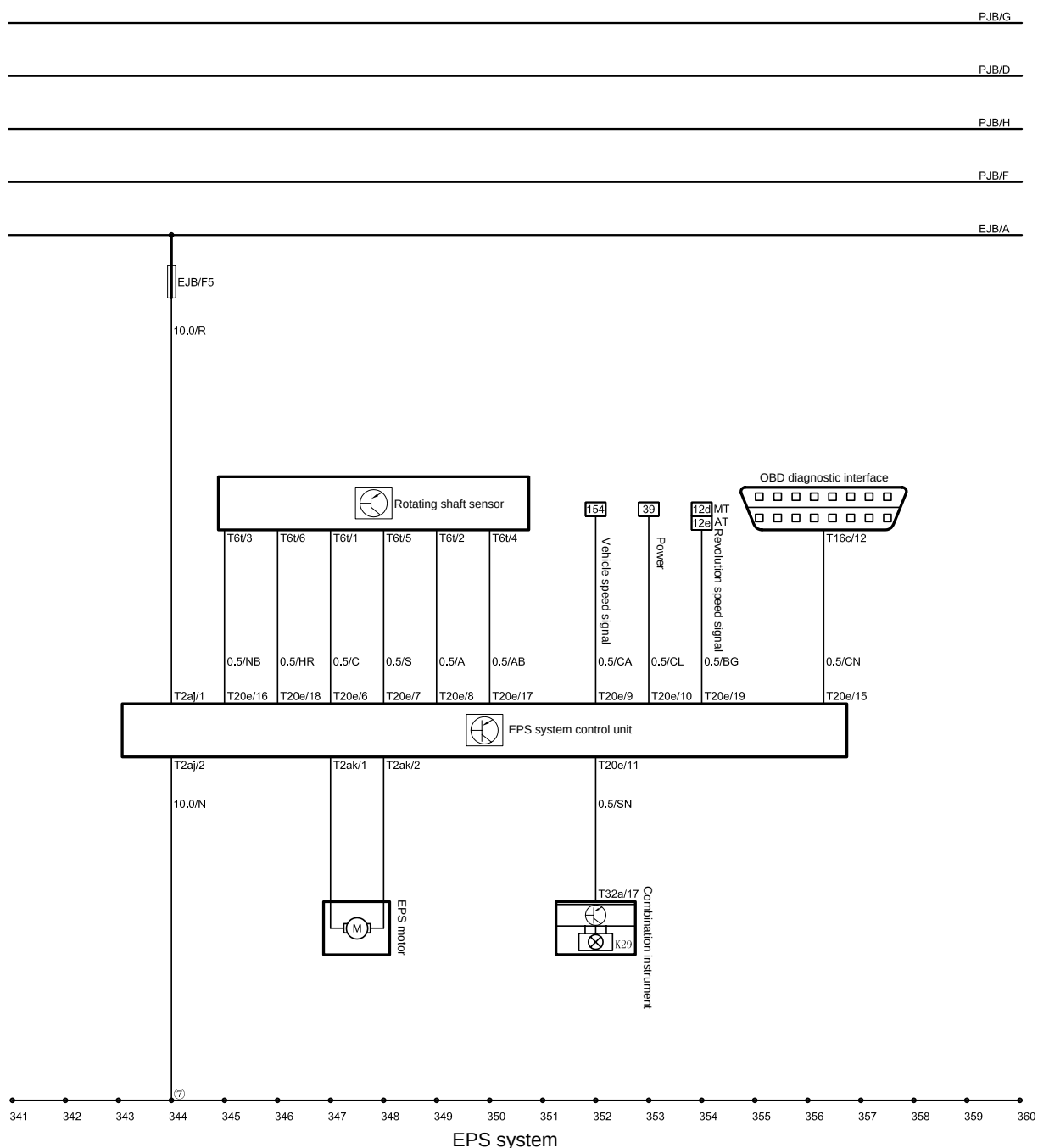
④-Engine compartment RF ground

⑧-Passenger compartment LH A pillar ground

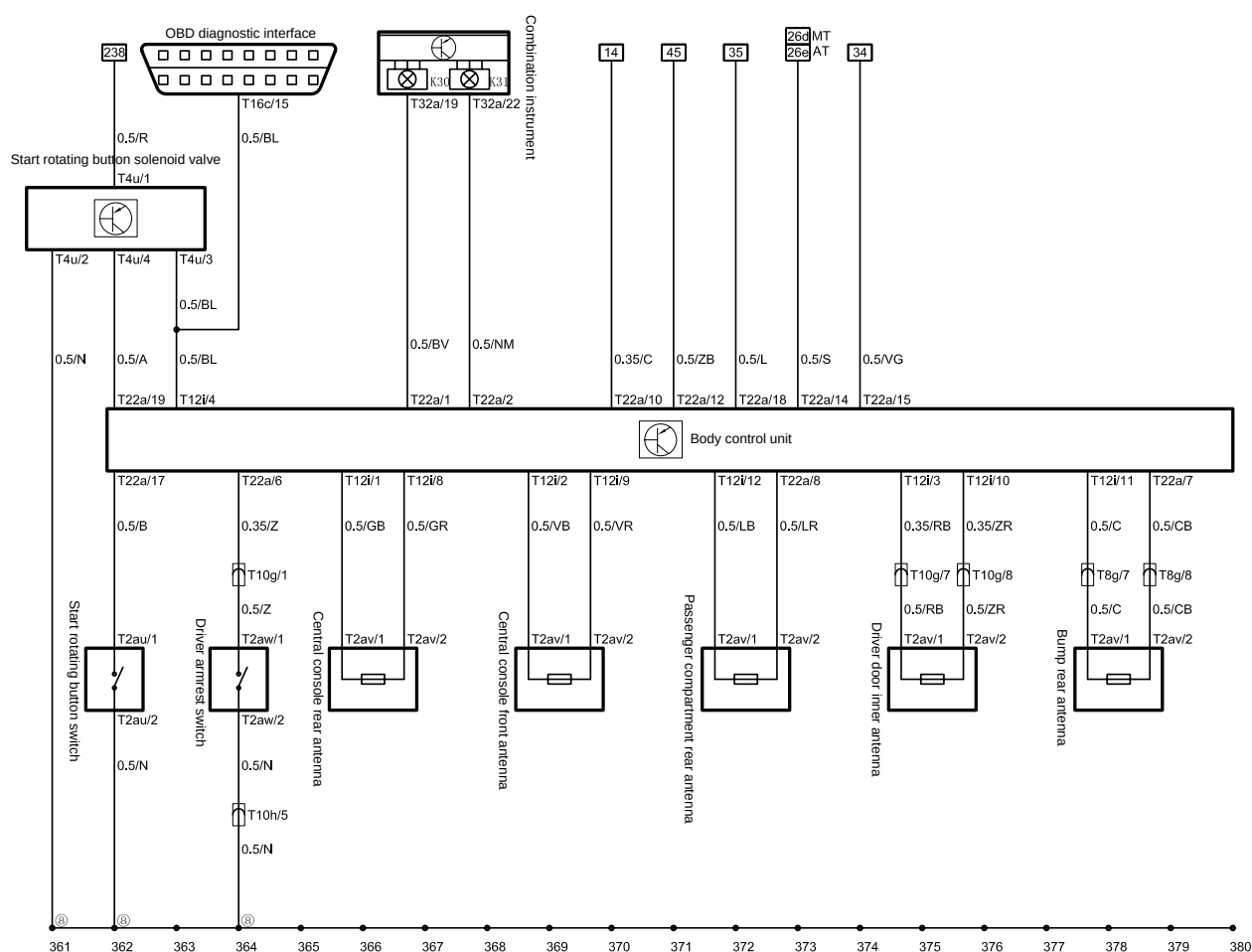
⑩-Instrument beam ground

⑯-Passenger compartment rear seat RH ground

⑰-Passenger compartment RH C pillar ground



PJB/G
PJB/D
PJB/H
PJB/F
EJB/A



PEPS system

K30-Combination instrument key matching right indicate
K31-Combination instrument key matching wrong indicate
EJB-Engine compartment fuse box
PJB-Instrument panel fuse box

T2au-Start rotating button switch connector, 2 holes, white

T2av-PEPS antenna connector, 2 holes, white

T2aw-Driver door outer armrest switch connector, 2 holes, white

T4u-Start rotating button solenoid valve connector, 4 holes, white

T8g-Rear bump and main wire harness plug-in B, 8 holes, white

T10g-FL door and main wire harness plug-in C, 10 holes, orange

T10h-FL door and main wire harness plug-in A, 10 holes, black

T12i-Body control unit connector E, 12 holes, white

T16c-Diagnostic interface connector, 16 holes, black

T22a-Body control unit connector D, 22 holes, white

T32a-Combination instrument connector A, 32 holes, blue

EJB A-Connecting, from engine compartment fuse box to battery positive pole

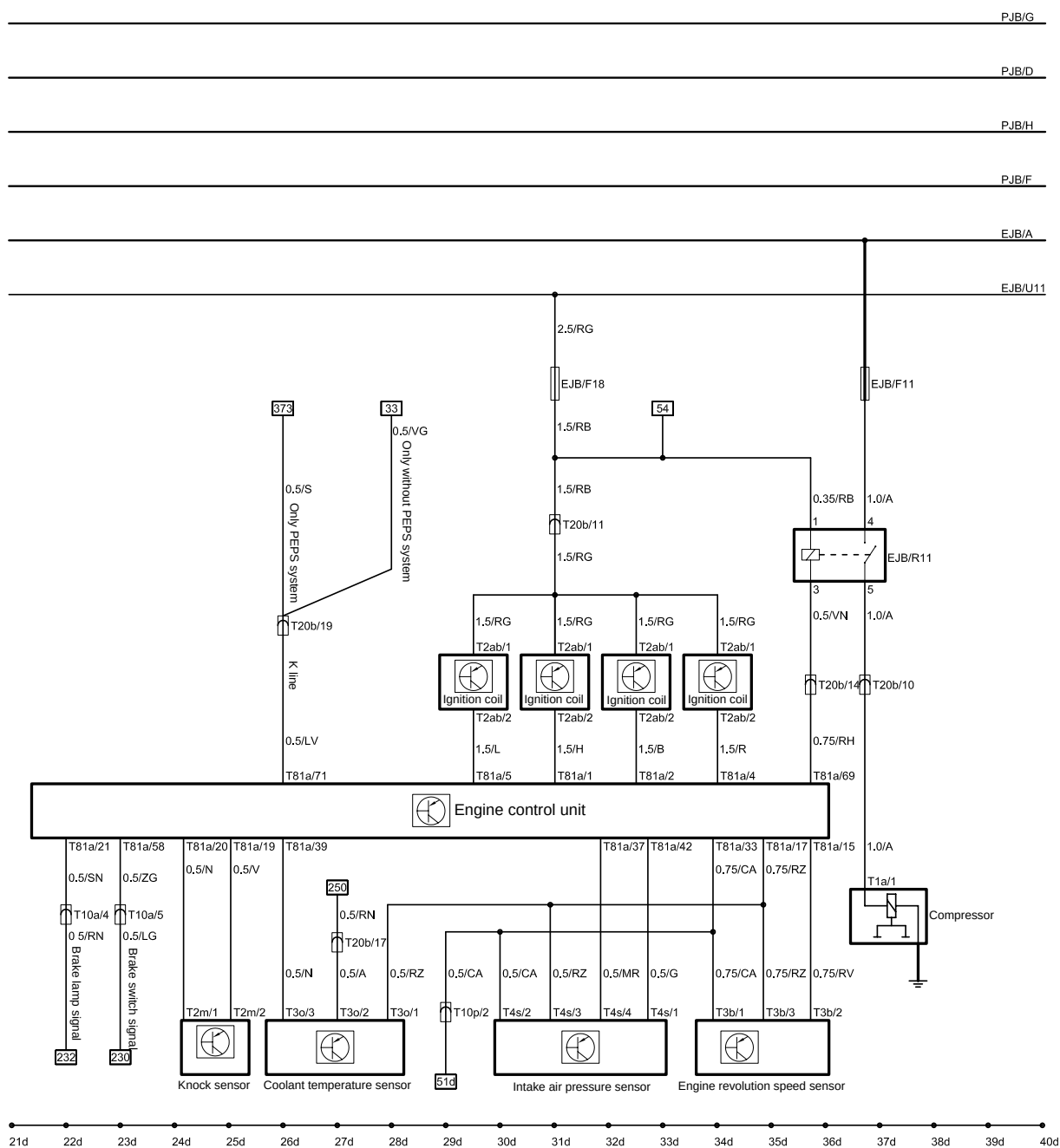
PJB D-Connecting, instrument panel fuse box binding post

PJB F-Connecting, instrument panel fuse box binding post

PJB G-Connecting, instrument panel fuse box binding post

PJB H-Connecting, instrument panel fuse box binding post

Ⓔ-Passenger compartment LH A pillar ground



BM15-MT engine control system 2

EJB-Engine compartment fuse box

PJB-Instrument panel fuse box

T1a-A/C compressor connector, 1 hole, grey

T2m-Knock sensor connector, 2 holes, black

T2ab-Ignition coil connector, 2 holes, black/grey

T3b-Engine revolution speed sensor connector, 3 holes, black

T3o-Coolant temperature sensor connector, 3 holes, black

T4s-Intake air pressure sensor connector, 4 holes, black

T10a-Engine and main wire harness plug-in A, 10 holes, black

T10p-Engine and main wire harness plug-in C, 10 holes, black

T20b-Engine and main wire harness plug-in B, 20 holes, black

T81a-Engine control unit connector, 81 holes, black

EJB A-Connecting, from engine compartment fuse box to battery positive pole

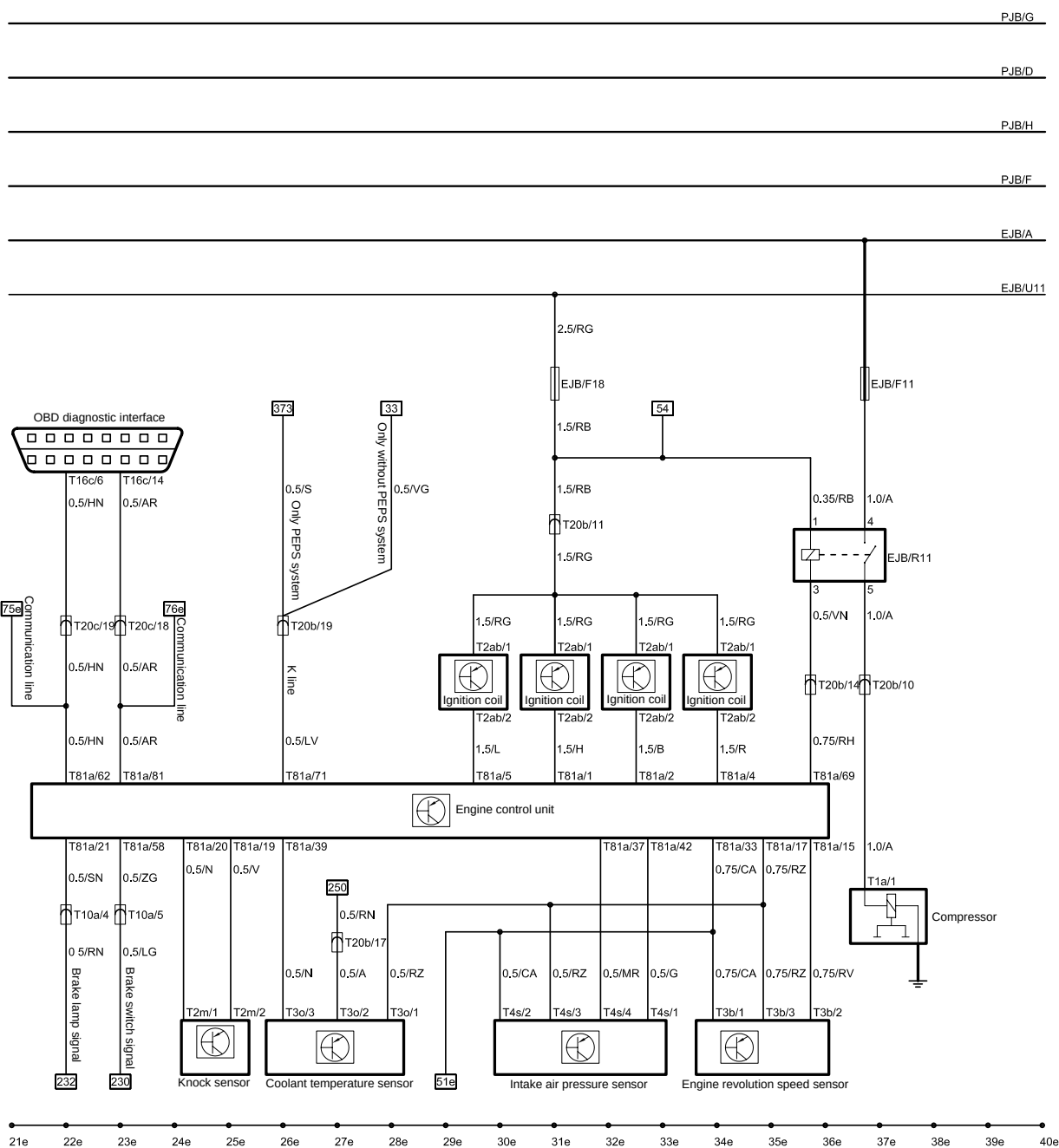
PJB D-Connecting, instrument panel fuse box binding post

PJB F-Connecting, instrument panel fuse box binding post

PJB G-Connecting, instrument panel fuse box binding post

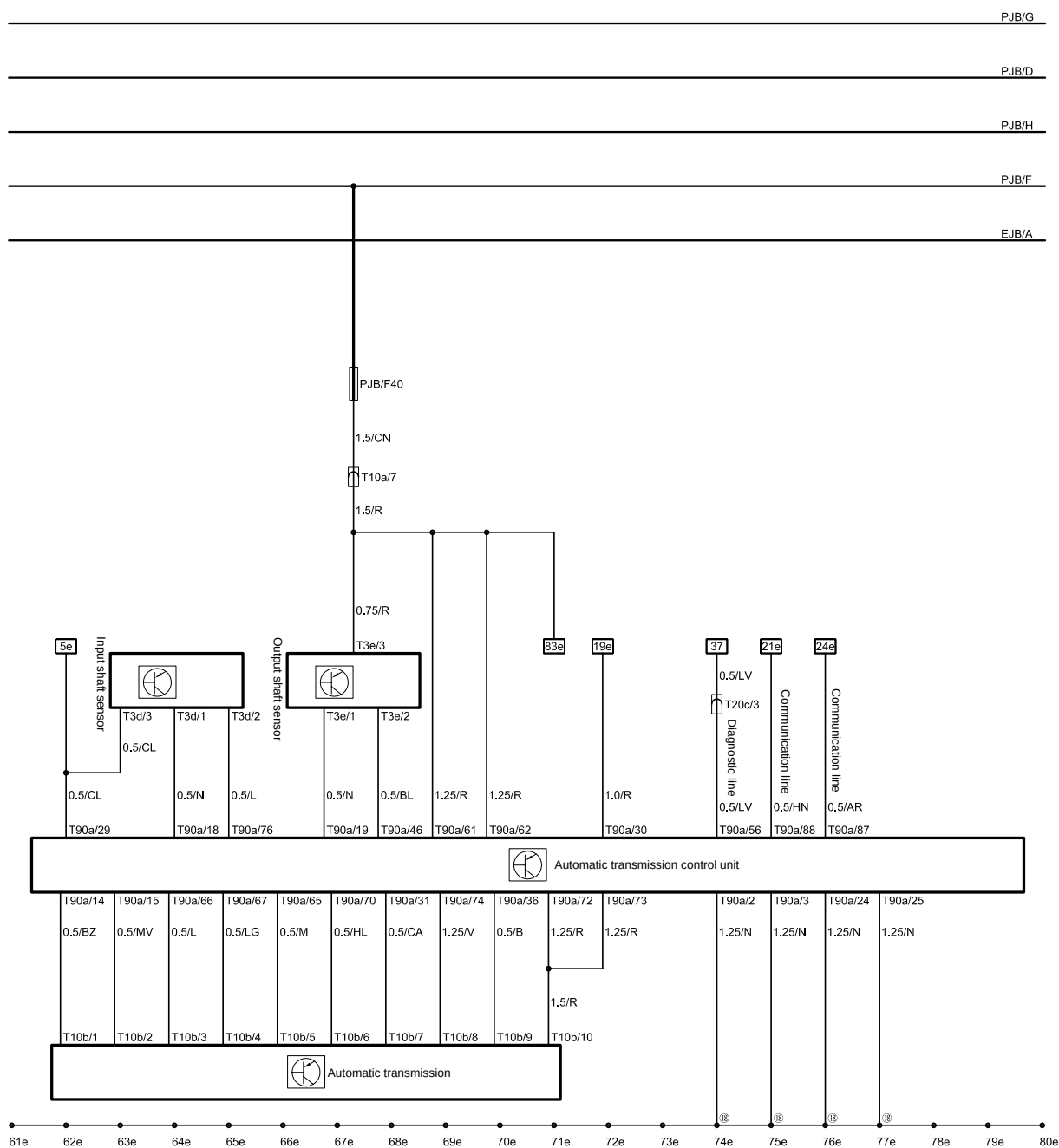
PJB H-Connecting, instrument panel fuse box binding post

EJB U11-Connecting, engine compartment fuse box wire



BM15-AT engine control system 2

- EJB-Engine compartment fuse box
PJB-Instrument panel fuse box
T1a-A/C compressor connector, 1 hole, grey
T2m-Knock sensor connector, 2 holes, black
T2ab-Ignition coil connector, 2 holes, black/grey
T3b-Engine revolution speed sensor connector, 3 holes, black
T3o-Coolant temperature sensor connector, 3 holes, black
T4s-Intake air pressure sensor connector, 4 holes, black
T10a-Engine and main wire harness plug-in A, 10 holes, black
T16c-Diagnostic interface, 16 holes, black
T20b-Engine and main wire harness plug-in B, 20 holes, black
T20c-Engine and main wire harness plug-in E, 20 holes, blue
T81a-Engine control unit connector, 81 holes, black
EJB A-Connecting, from engine compartment fuse box to battery positive pole
PJB D-Connecting, instrument panel fuse box binding post
PJB F-Connecting, instrument panel fuse box binding post
PJB G-Connecting, instrument panel fuse box binding post
PJB H-Connecting, instrument panel fuse box binding post
EJB U11-Connecting, engine compartment fuse box wire



BM15-AT engine control system 4

EJB-Engine compartment fuse box

PJB-Instrument panel fuse box

T3d-Input shaft sensor connector, 3 holes, black

T3e-Output shaft sensor connector, 3 holes, black

T10a-Engine and main wire harness plug-in A, 10 holes, black

T10b-Automatic transmission connector, 10 holes, black

T20c-Engine and main wire harness plug-in E, 20 holes, blue

T90a-Automatic transmission control unit connector, 90 holes, black

EJB A-Connecting, from engine compartment fuse box to battery positive pole

PJB D-Connecting, instrument panel fuse box binding post

PJB F-Connecting, instrument panel fuse box binding post

PJB G-Connecting, instrument panel fuse box binding post

PJB H-Connecting, instrument panel fuse box binding post

EJB U11-Connecting, engine compartment fuse box wire

Ⓔ-Passenger compartment LH A pillar ground

H330 Component Connector End Views

Content

Ignition switch	1
Anti-theft control unit	1
Condenser fan	2
Horn	2
Fuel pump	3
Front windshield wiper motor	3
Washer fluid reservoir motor	4
Automatic A/C control unit	4
Manual A/C control unit	6
Blower speed regulation resistance	7
Air outlet mode motor	7
Inner and outer circulation mode motor	8
Mixed air opening motor	8
Evaporator temperature sensor	9
Blower	9
Compressor	10
A/C pressure switch	10
Radio	11
Tweeter	12
Woofer	12
Cigar lighter	12
Airbag control unit	13
Driver safety belt buckle	14
Vice driver safety belt buckle	14
Driver Airbag	15
Vice driver airbag	15
ABS control unit	16
FL/FR wheel speed sensor	17
Rear wheel speed sensor	17
Reversing radar control unit	18
Reversing radar sensor	18
Power rearview mirror switch	19
LH outer power rearview mirror	20
RH outer power rearview mirror	20
Lights combination switch	21
Wiper switch	22
Hazard warning switch	22
Headlamp electric adjustment switch	23
Headlamp	23
Rear lamp	24
Front fog lamp	24
Rear fog lamp	25
Reversing lamp	25
License plate lamp	26
High mounted brake lamp	26

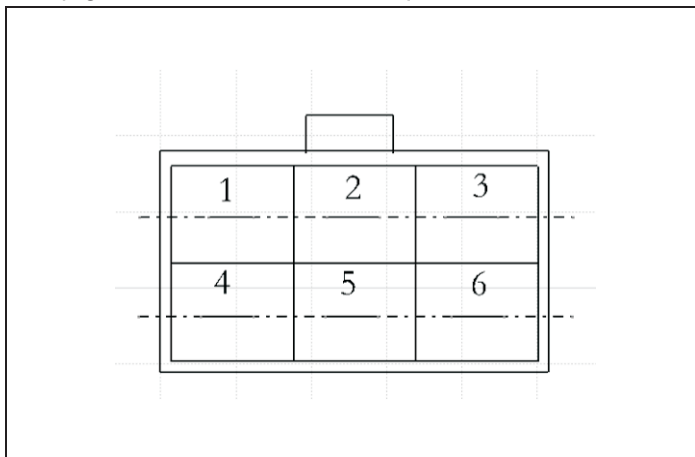
Sunroof motor	27
Combination instrument	28
OBD diagnostic interface	30
FL power window switch	31
FR power window switch	31
RL power window switch	32
RR power window switch	32
Door lock micro switch & Driver door lock cylinder switch	33
RL door lock switch	33
RR door lock switch	34
Trunk lock motor	34
Trunk lid outer open button	35
Body control unit	35
PEPS	36
Trunk antenna	37
Rear seat antenna	37
Front left door antenna	37
Front left door handle switch	38
EPS system control unit	39
Engine control unit (MT)	40
Engine control unit (AT)	41
Electric accelerator pedal	42
Throttle position sensor	42
Front oxygen sensor	43
Rear oxygen sensor	43
Intake air pressure sensor	44
Oil pressure switch	44
Carbon canister valve	45
Coolant temperature sensor	45
Engine revolution speed sensor	46
Phase position sensor	46
Knock sensor	47
Nozzle (cylinder 1)	47
Nozzle (cylinder 2)	47
Nozzle (cylinder 3)	48
Nozzle (cylinder 4)	48
Ignition coil (cylinder 1)	49
Ignition coil (cylinder 2)	49
Ignition coil (cylinder 3)	50
Ignition coil (cylinder 4)	50
Air intake VCT valve	50
4F16 TCU	51
Automatic transmission	52
Input shaft sensor	52
Output shaft sensor	53
Automatic transmission gear switch	53
Abbreviations and meanings	54



NOTE

Ignition switch

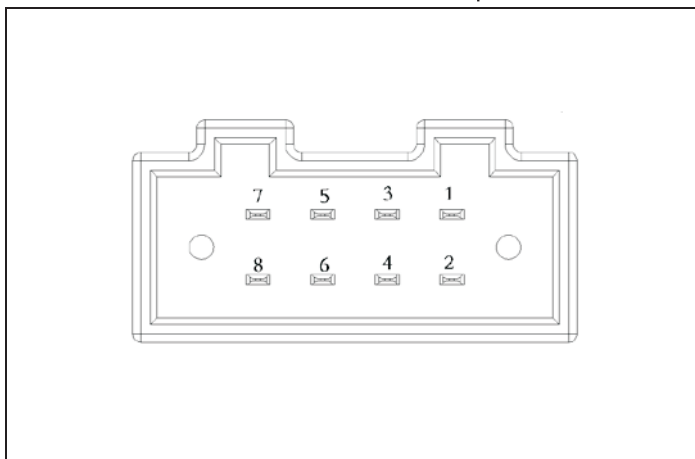
T6q-Ignition switch connector, 6 pins



Pin	Wire	Function
1	2.5 WHT/RED	Power supply (BAT)
2	2.5 L-BLU/RED	On & Start voltage
3	N/A	N/A
4	2.5 RED	On voltage
5	2.5 RED/BLK	Start voltage
6	2.5 BRN/BLK	ACC & On voltage

Anti-theft control unit

T8f-Anti-theft control unit connector, 8 pins



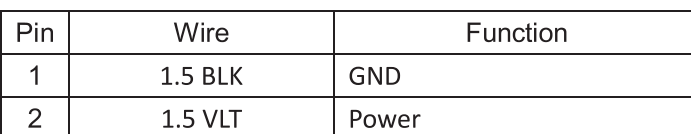
Pin	Wire	Function
1	0.5 RED	Power (BAT)
2	0.5 BLK	GND
3	N/A	N/A
4	0.5 ORN/BLU	Power (IG)
5	0.5 BLU/WHT	R line
6	N/A	N/A
7	0.5 BLU/GRN	Diagnostic line
8	0.5 BLU/YEL	K line

T3g-Condenser fan connector, 3 pins

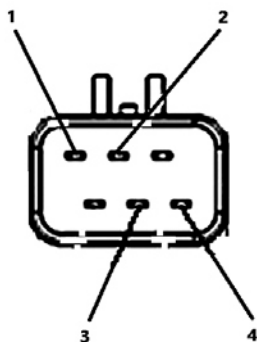
[illegible]

Horn

T2y-Horn connector, 2 pins

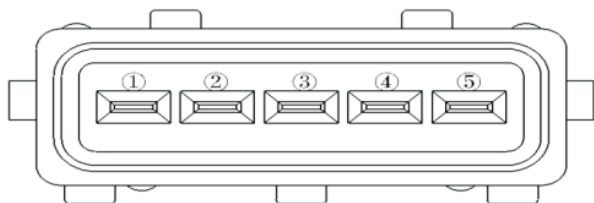


T6n-Fuel pump connector, 6 pins



Pin	Wire	Function
1	1.5 VLT/YEL	Pump (+)
2	1.5 BLK	Pump (-)
3	0.5 BLK	Sensor (-)
4	0.5 GRN/BLK	Sensor (+)

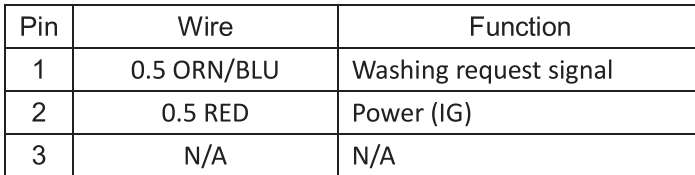
T5b-Front windshield wiper motor connector, 5 pins



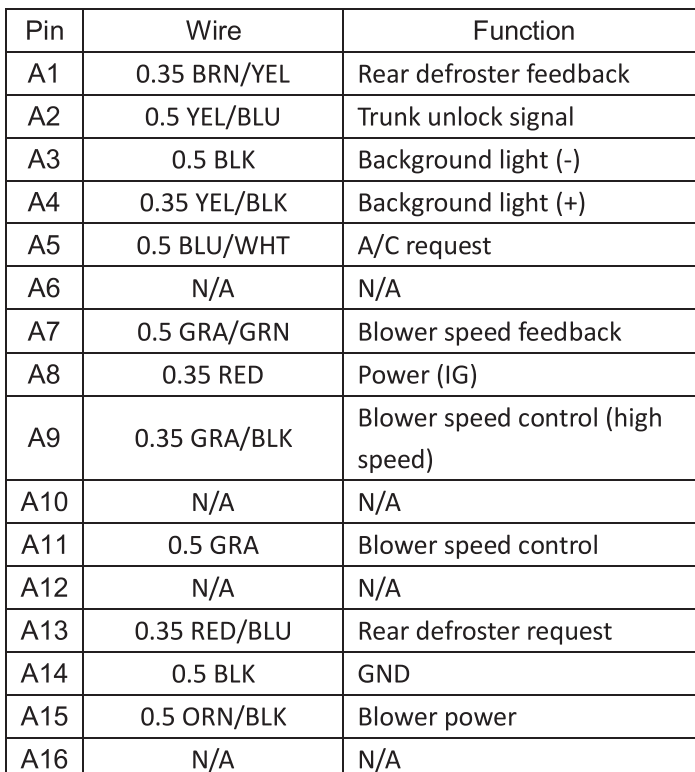
Pin	Wire	Function
1	1.0 YEL/BLU	High speed
2	1.0 GRN/YEL	Low speed
3	1.0 BLK	GND
4	1.0 GRA/YEL	Park switch signal
5	N/A	N/A



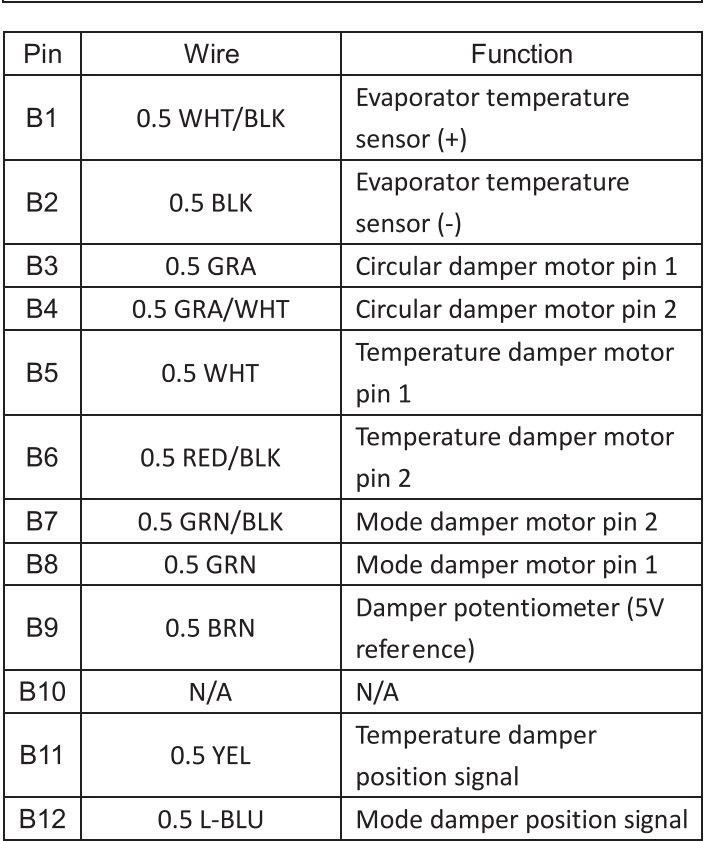
T3h-Washer fluid reservoir motor connector, 3 pins



T16d-A/C control unit connector A, 16 pins

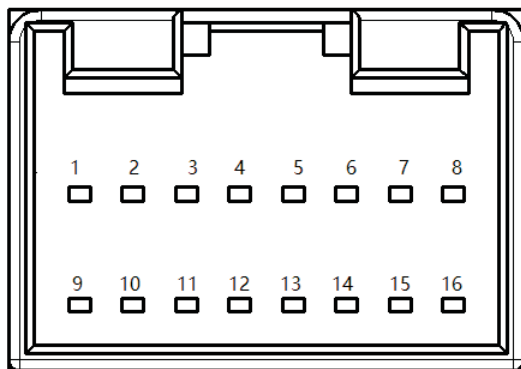


Pin	Wire	Function
A1	0.35 BRN/YEL	Rear defroster feedback
A2	0.5 YEL/BLU	Trunk unlock signal
A3	0.5 BLK	Background light (-)
A4	0.35 YEL/BLK	Background light (+)
A5	0.5 BLU/WHT	A/C request
A6	N/A	N/A
A7	0.5 GRA/GRN	Blower speed feedback
A8	0.35 RED	Power (IG)
A9	0.35 GRA/BLK	Blower speed control (high speed)
A10	N/A	N/A
A11	0.5 GRA	Blower speed control
A12	N/A	N/A
A13	0.35 RED/BLU	Rear defroster request
A14	0.5 BLK	GND
A15	0.5 ORN/BLK	Blower power
A16	N/A	N/A

[illegible]5

Manual A/C control unit

T16d-A/C control unit connector A, 16 pins



Pin	Wire	Function
1	0.5 WHT/BLK	Evaporator temperature sensor (+)
2	0.5 WHT	Evaporator temperature sensor (-)
3	0.5 GRA/WHT	Circular damper motor pin 2
4	0.5 GRA/RED	Circular damper motor pin 1
5	N/A	N/A
6	0.35 BRN/YEL	Rear defroster feedback
7	0.35 RED	Power (IG)
8	0.5 BLU/WHT	A/C request
9	0.35 RED/BLU	Rear defroster request
10	0.35 YEL/BLK	Background light (+)
11	0.5 BLK	Background light (-)
12	0.5 BLK	GND
13	0.5 GRA/GRN	Blower speed feedback
14	0.5 GRA	Blower speed control
15	0.5 ORN/BLK	Blower power
16	0.35 GRA/BLK	Blower speed control (high speed)



NOTE

[illegible]

Air outlet mode motor

1		2	3
4	5	6	7

7

[illegible]

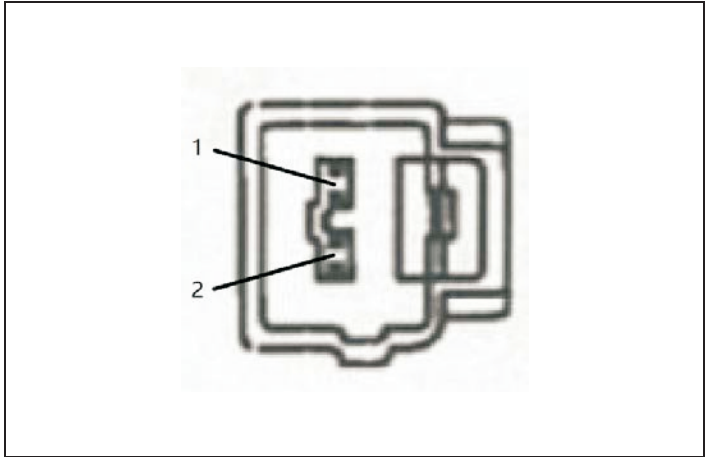
A 2x4 grid of numbers 1 through 7. The top row contains 1, 2, 3, and an empty cell. The bottom row contains 4, 5, 6, and 7. A small square is positioned on top of the center cell (2,2).

Mixed air opening motor

1		2	3
4	5	6	7

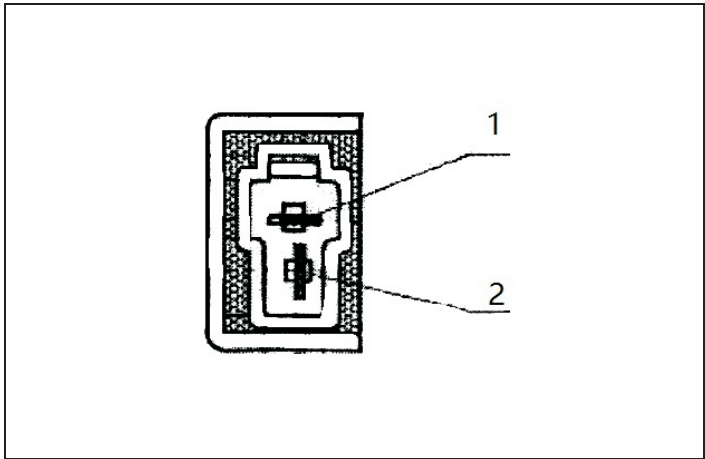
3

T2f-Evaporator temperature sensor connector, 2 pins



Pin	Wire	Function
1	0.5 WHT/BLK	Temperature signal
2	0.5 BLK	GND

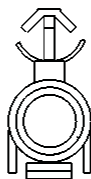
T2h-Blower connector, 2 pins



Pin	Wire	Function
1	2.5 ORN/BLK	Power
2	2.5 GRA/BLK	GND

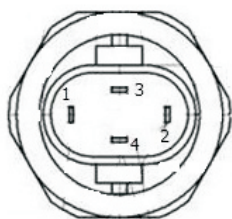


T1a-A/C compressor connector, 1 pin



Pin	Wire	Function
1	1.0 L-BLU	Compressor power supply

T4b-A/C pressure switch connector, 4 pins



Pin	Wire	Function
1	0.5 BLK	GND
2	0.5 GRA/BLU	Medium pressure signal output (cooling fan speed control)
3	0.5 BLU/WHT	A/C request signal input
4	0.5 PNK	A/C request signal output



Radio

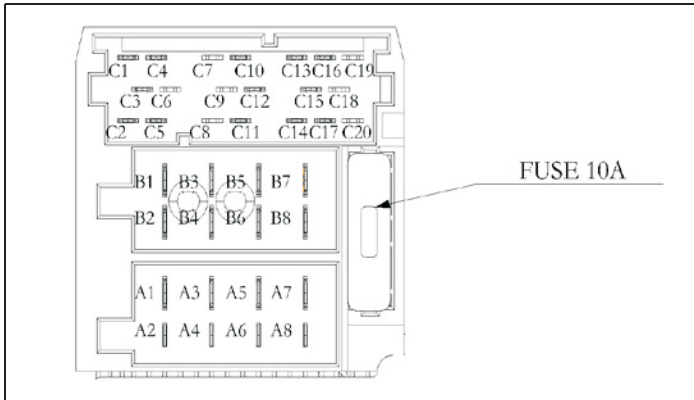
T8a-Radio connector A, 8 pins

T8b-Radio connector B, 8 pins

T20f-Radio connector C, 20 pins



NOTE



Pin	Wire	Function
A1	0.5 L-BLU/WHT	Steering wheel volume switch
A2	N/A	N/A
A3	0.5 RED/VLT	Reversing signal
A4	0.5 ORN	Power (IG)
A5	N/A	N/A
A6	0.5 YEL/RED	Background light power
A7	1.5 RED/YEL	Power (BAT)
A8	1.5 BLK	GND
B1	1.0 WHT/RED	RR speaker (+)
B2	1.0 BLU/RED	RR speaker (-)
B3	1.0 ORN/BLU	FR speaker (+)
B4	1.0 RED/BLK	FR speaker (-)
B5	1.0 RED/BLU	FL speaker (+)
B6	1.0 WHT/BLK	FL speaker (-)
B7	1.0 RED/WHT	RL speaker (+)
B8	1.0 BLU/RED	RL speaker (-)
C1	0.35 BLK	Shield GND
C2	0.35 BLU	USB 5V
C3	0.35 PNK	USB signal (-)
C4	0.35 WHT	USB signal (+)
C5	0.35 GRN	USB GND
C6	N/A	N/A
C7	N/A	N/A
C8	N/A	N/A
C9	N/A	N/A
C10	0.35 YEL	AUX_AUD R_IN
C11	0.35 VLT	AUX_AUD L_IN
C12	0.35 ORN	AUX GND
C13	N/A	N/A
C14	N/A	N/A
C15	N/A	N/A
C16	N/A	N/A
C17	N/A	N/A
C18	N/A	N/A
C19	N/A	N/A
C20	N/A	N/A

T2j-Tweeter connector, 2 pins

[illegible]

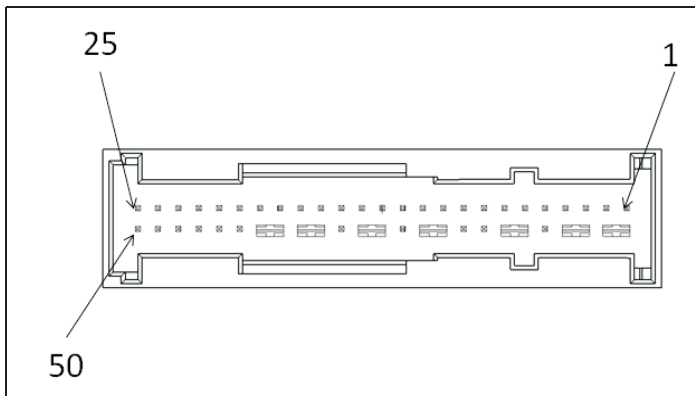
Woofer

Cigar lighter

Pin	Wire	Function
1	0.5 YEL	Background light power
2	1.5 RED	Cigar lighter power supply
3	1.5 BLK	GND

Airbag control unit

T50a-Double way airbag control unit connector, 50 pins

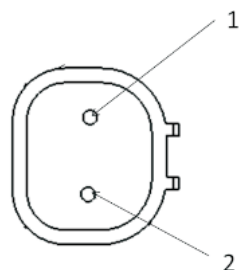


Pin	Wire	Function
1	N/A	N/A
2	N/A	N/A
3	N/A	N/A
4	N/A	N/A
5	0.5 RED	Power (BAT)
6	0.5 BLK	GND
7	0.35 WHT/BLU	Airbag warning light
8	N/A	N/A
9	0.35 GRA	K line
10	0.5 BRN/WHT	Front driver airbag (+)
11	0.5 VLT	Front driver airbag (-)
12	N/A	N/A
13	N/A	N/A
14	N/A	N/A
15	N/A	N/A
16	N/A	N/A
17	N/A	N/A
18	0.5 BLK	Front passenger airbag (+)
19	0.5 RED	Front passenger airbag (-)
20	N/A	N/A
21	N/A	N/A
22	N/A	N/A
23	N/A	N/A
24	N/A	N/A
25	N/A	N/A
26	N/A	N/A
27	N/A	N/A
28	N/A	N/A
29	N/A	N/A
30	N/A	N/A
31	N/A	N/A
32	N/A	N/A
33	N/A	N/A
34	0.35 WHT/GRN	Collision signal output
35	N/A	N/A
36	N/A	N/A
37	N/A	N/A
38	N/A	N/A
39	N/A	N/A
40	N/A	N/A
41	N/A	N/A
42	N/A	N/A
43	N/A	N/A
44	N/A	N/A
45	N/A	N/A
46	N/A	N/A
47	N/A	N/A
48	N/A	N/A
49	N/A	N/A
50	N/A	N/A



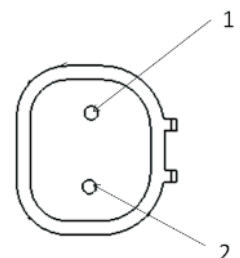
NOTE

T2x-Driver safety belt buckle connector, 2 pins



Pin	Wire	Function
1	0.35 VLT/BLK	Seatbelt reminder signal
2	0.35 BLK	GND

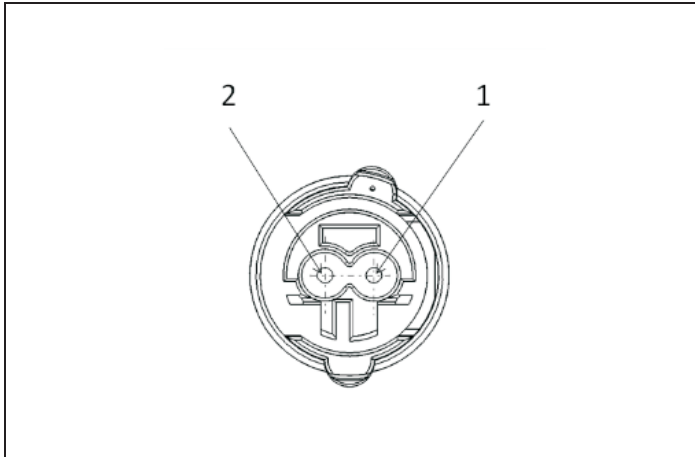
T2x-Vice driver safety belt buckle connector, 2 pins



Pin	Wire	Function
1	0.35 VLT/WHT	Seatbelt reminder signal
2	0.35 BLK	GND



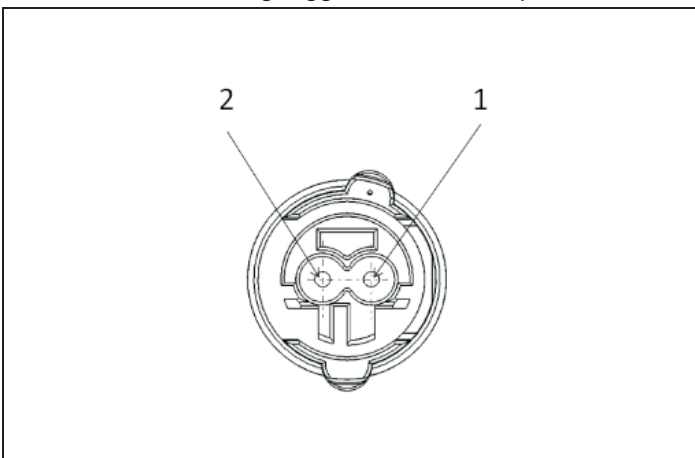
T4p-Driver airbag trigger connector, 2 pins



Pin	Wire	Function
1	0.5 ORN/GRN	Driver air bag trigger (-)
2	0.5 ORN/BLU	Driver air bag trigger (+)

Vice driver airbag

T2r-Vice driver airbag trigger connector, 2 pins



Pin	Wire	Function
1	0.5 RED	Passenger airbag trigger (+)
2	0.5 BLK	Passenger airbag trigger (-)



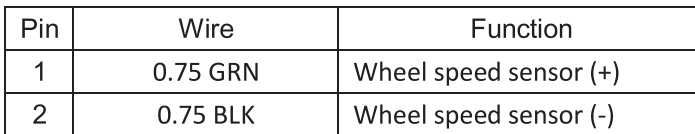
T38a-Brake system control unit connector, 38 pins



NOTE

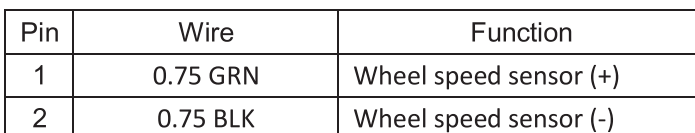
[illegible]

T2p-Wheel speed sensor connector, 2 pins



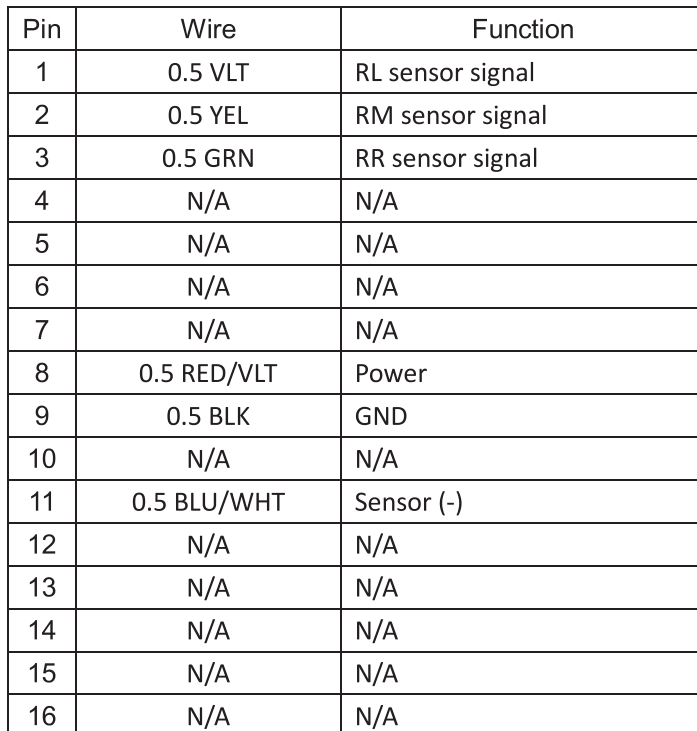
Pin	Wire	Function
1	0.75 GRN	Wheel speed sensor (+)
2	0.75 BLK	Wheel speed sensor (-)

T2p-Wheel speed sensor connector, 2 pins

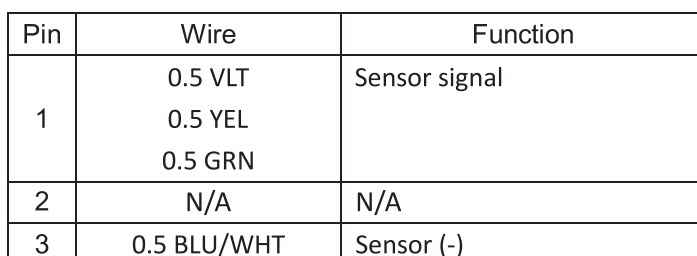


Pin	Wire	Function
1	0.75 GRN	Wheel speed sensor (+)
2	0.75 BLK	Wheel speed sensor (-)

T16g-Reversing radar control unit connector, 16 pins

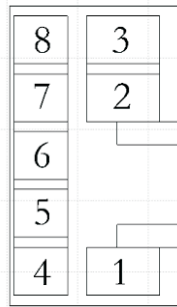


T3r-Reversing radar sensor connector, 3 pins



LH outer power rearview mirror

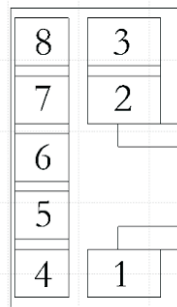
T8h-Outer power rearview mirror connector C, 8 pins



Pin	Wire	Function
1	0.5 BLU/PNK	Outer rearview mirror adjustment common terminal
2	0.5 VLT/RED	FL electric rearview mirror (left/right)
3	0.5 BLU/YEL	FL electric rearview mirror (up/down)
4	0.5 YEL/VLT	Turning lamp power (IG)
5	0.5 BLK	Turning lamp GND
6	N/A	N/A
7	N/A	N/A
8	N/A	N/A

RH outer power rearview mirror

T8h-Outer power rearview mirror connector C, 8 pins



Pin	Wire	Function
1	0.5 BLU/BLK	Outer rearview mirror adjustment common terminal
2	0.5 BLU	FR Electric rearview mirror (left/right)
3	0.5 BLU/YEL	FR Electric rearview mirror (up/down)
4	0.5 BRN/VLT	Turning lamp power
5	0.5 BLK	Turning lamp GND
6	N/A	N/A
7	N/A	N/A
8	N/A	N/A



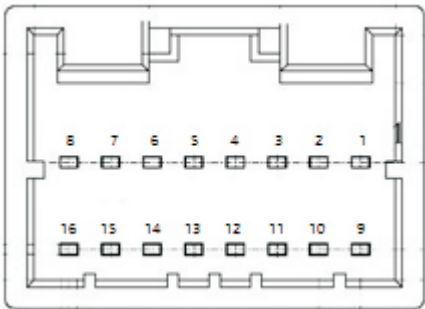
NOTE

Lights combination switch

T16f-Lights combination switch connector, 16 pins



NOTE



Pin	Wire	Function
1	0.35 YEL/BLU	Right turning lamp working request
2	0.35 RED	Power (IG)
3	0.35 BRN/BLK	Left turning lamp working request
4	N/A	N/A
5	0.5 WHT/GRN	Lamp changing request
6	0.5 WHT/GRN	High beam lamp working request
7	0.35 GRA/WHT	Low beam lamp working request
8	0.5 BLK	GND
9	N/A	N/A
10	N/A	N/A
11	N/A	N/A
12	N/A	N/A
13	0.35 WHT/GRN	Rear fog lamp working request
14	0.5 BRN/VLT	Front fog lamp working request
15	0.5 BLK	Position lamp working request
16	0.35 GRA/BLK	High beam lamp working feedback

T14c-Wiper switch connector, 14 pins

[illegible]

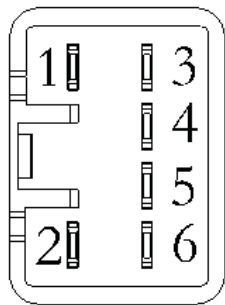
Hazard warning switch

Technical drawing of the rear view of a rectangular metal plate. The plate features a central rectangular cutout with rounded corners. There are four circular mounting holes: two at the top corners and two at the bottom corners. Additionally, there are four rectangular slots, one on each side of the central cutout. The drawing is labeled with numbers 1 through 6, indicating specific features or dimensions.

22

Headlamp electric adjustment switch

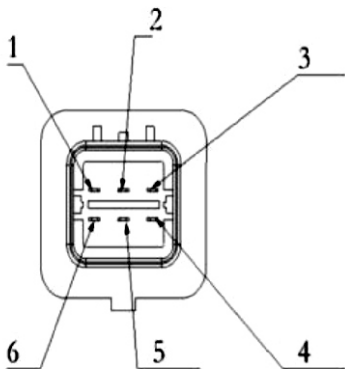
T6v-Headlamp electric adjustment switch connector, 6 pins



Pin	Wire	Function
1	0.5 BLK	GND
2	0.5 GRA/BLK	Low beam lamp power
3	0.5 YEL/BLK	Background light power
4	0.5 YEL	Headlamp electric adjustment signal output
5	/A N	N/A
6	0.5 BLK	GND

Headlamp

T6u-Front headlamp connector, 6 pins

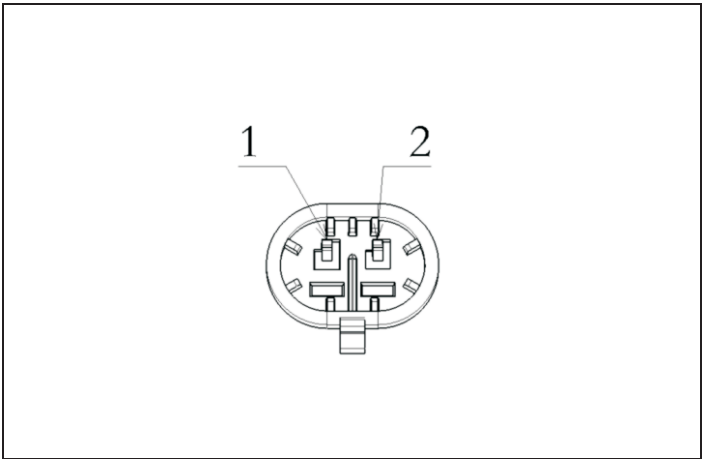


Pin	Wire	Function
1	1.5 BLK	High & low beam lamp (-)
2	1.0 GRN/GRA	High beam lamp (+)
3	1.0 BLK	Position & turning lamp (-)
4	0.5 YEL/VLT 0.5 BRN/VLT	Turning lamp (+)
5	0.5 YEL/BLK 0.5 YEL/RED	Position lamp (+)
6	1.0 GRA/BLK	Low beam lamp (+)



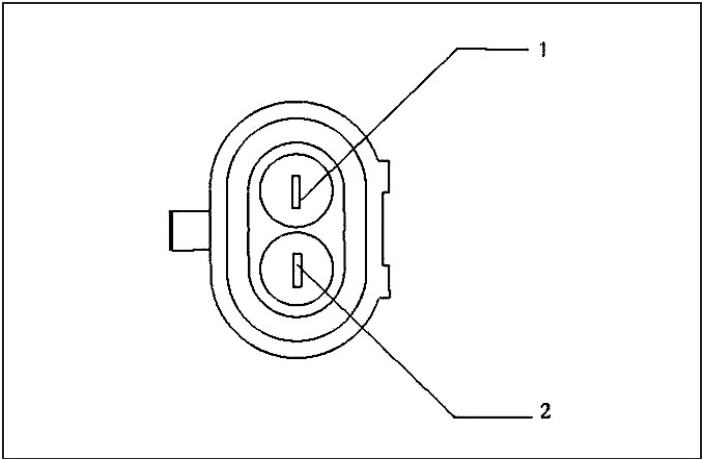
NOTE

T2at-Rear fog lamp connector, 2 pins



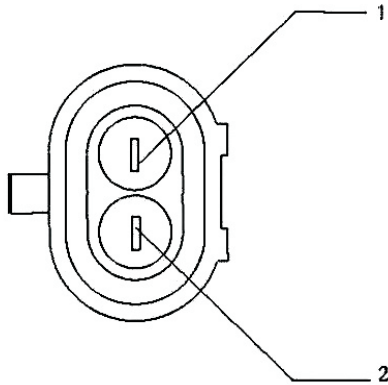
Pin	Wire	Function
1	0.5 GRA/YEL	Power
2	0.5 BLK	GND

T2as-Reversing lamp connector, 2 pins



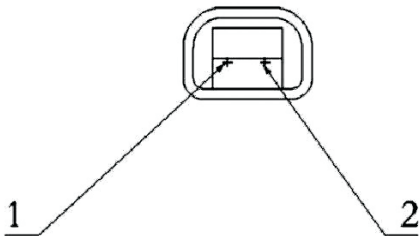
Pin	Wire	Function
1	0.5 RED/VLT	Power
2	0.5 BLK	GND

T2d-License plate lamp connector, 2 pins



Pin	Wire	Function
1	0.5 BLU	Power
2	0.5 BLK	GND

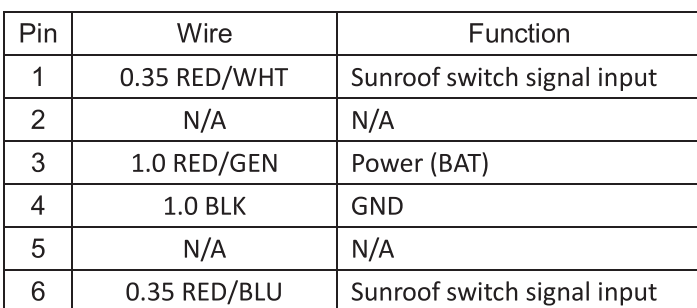
T2e-High mounted brake lamp connector, 2 pins



Pin	Wire	Function
1	0.5 RED/BLK	Power
2	0.5 BLK	GND



T6d-Sunroof motor connector, 6 pins

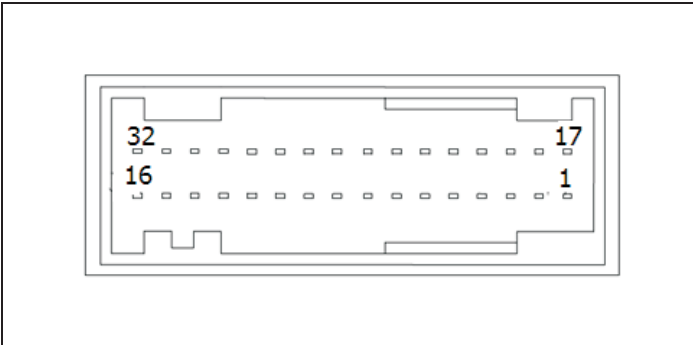


Pin	Wire	Function
1	0.35 RED/WHT	Sunroof switch signal input
2	N/A	N/A
3	1.0 RED/GEN	Power (BAT)
4	1.0 BLK	GND
5	N/A	N/A
6	0.35 RED/BLU	Sunroof switch signal input



Combination instrument

T32a-Combination instrument connector A, 32 pins

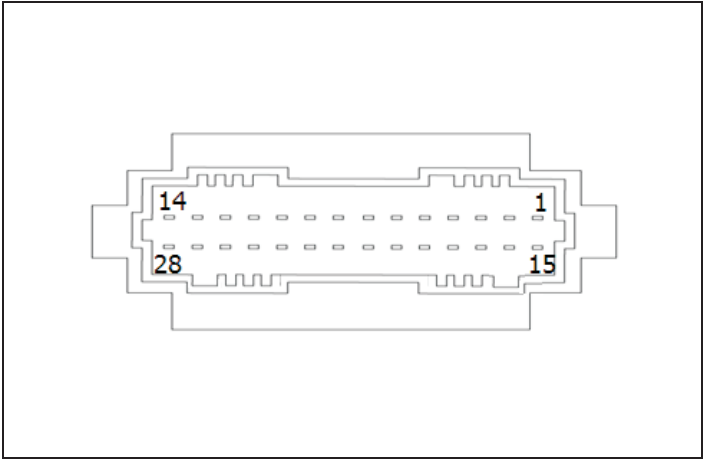


Pin	Wire	Function
1	0.35 WHT	Charging system indicator
2	0.35 WHT/VLT	ABS indicator
3	0.35 WHT/BLU	Airbag warning light
4	0.35 VLT/WHT	Passenger safety belt reminder light
5	0.35 GRN	Oil pressure warning light
6	0.35 WHT/RED	Parking brake and brake system indicator
7	N/A	N/A
8	0.35 BRN	Front fog lamp indicator
9	N/A	N/A
10	0.35 YEL/VLT	Turning left indicator
11	0.35 ORN/BLK	Door ajar indicator
12	0.5 VLT/GRN	Check engine light
13	0.5 BLK	Gear shift indication (-)
14	0.35 WHT/YEL	Park gear indication (+)
15	0.35 RED/VLT	Reverse gear indication (+)
16	0.5 WHT/BLK	Neutral gear indication (+)
17	0.5 BRN/BLU	EPS warning light
18	N/A	N/A
19	0.5 GRN	Authorized key indicator
20	N/A	N/A
21	N/A	N/A
22	0.5 RED	Unauthorized key indicator
23	N/A	N/A
24	0.35 VLT/BLK	Driver safety belt reminder light
25	0.5 BRN	Manual mode indication
26	0.5 WHT/GRN	Instantaneous fuel consumption indication
27	N/A	N/A
28	N/A	N/A
29	N/A	N/A
30	N/A	N/A
31	N/A	N/A
32	0.5 ORN/BLK	Drive gear indication



NOTE

T28a-Combination instrument connector B, 28 pins



Pin	Wire	Function
1	0.35 YEL/BLK	Position lamp indicator
2	N/A	N/A
3	0.35 BRN/VLT	Turning right indicator
4	N/A	N/A
5	N/A	N/A
6	N/A	N/A
7	0.35 GRN/BLK	High beam indicator
8	N/A	N/A
9	N/A	N/A
10	N/A	N/A
11	N/A	N/A
12	0.5 GRA/YEL	Rear fog lamp indicator
13	N/A	N/A
14	0.35 YEL/BLK	Background light (+)
15	0.5 BLK	Background light (-)
16	0.35 WHT/YEL	Revolution speed signal
17	N/A	N/A
18	0.5 ORN/L-BLU	Vehicle speed signal
19	N/A	N/A
20	0.5 RED/BLK	ECT signal
21	N/A	N/A
22	0.5 GRN/BLK	Fuel level signal
23	N/A	N/A
24	0.5 BLK	GND
25	N/A	N/A
26	0.35 RED	Power (BAT)
27	N/A	N/A
28	0.35 L-BLU/BLK	Power (IG1)



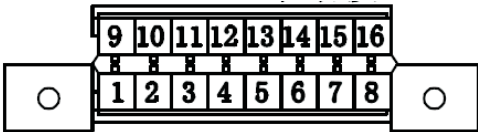
NOTE

OBD diagnostic interface

T16c-Diagnostic interface connector, 16 pins, black



NOTE



Pin	Wire	Function
1	0.35 WHT/GRN	ABS
2	0.5 BLU/YEL	K line
3	0.35 GRA	Airbag
4	0.35 BLK	GND
5	0.5 BLK	GND
6	0.5 GRA/BLK	CAN-High
7	0.5 BLU/GRN	W line
8	N/A	N/A
9	N/A	N/A
10	N/A	N/A
11	N/A	N/A
12	0.5 ORN/BLK	EPS
13	N/A	N/A
14	0.5 L-BLU/RED	CAN-Low
15	0.5 WHT/BLU	PEPS
16	0.5 RED	Power (BAT)

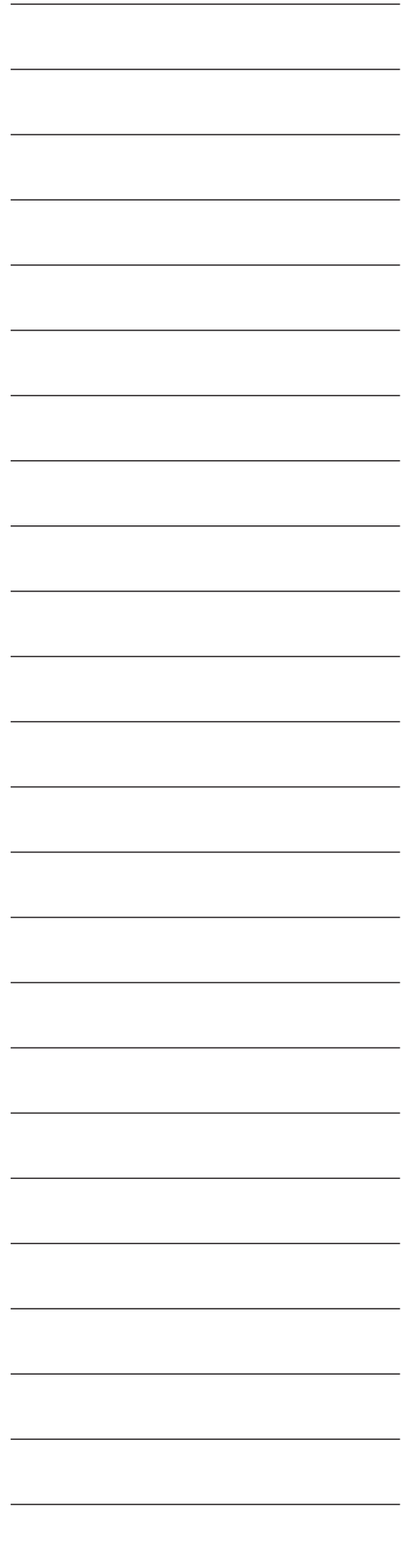
T16a-FL power window switch connector, 16 pins



NOTE

[illegible]

T6p-Power window switch connector, 6 pins

[illegible]

[illegible]

A diagram of a 3x3 grid. The top row contains the numbers 1, an empty square, an empty square, and 4. The middle row contains the numbers 2, an empty square, an empty square, and 5. The bottom row contains the numbers 3, an empty square, an empty square, and 6. The grid is surrounded by a thick black border.

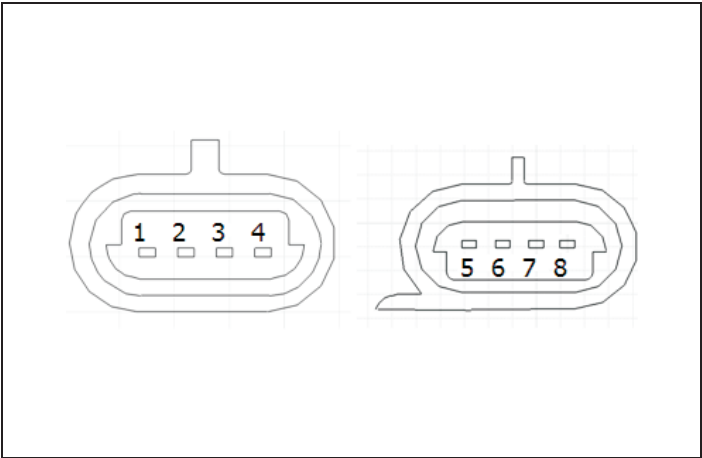
Pin	Wire	Function
1	0.35 VLT	Upward
2	N/A	N/A
3	0.35 BLK	GND
4	0.35 VLT/BLK	Downward
5	N/A	N/A
6	0.35 YEL/RED	Background light power supply

A diagram of a 3x3 grid. The top row contains the numbers 1, an empty square, an empty square, and 4. The middle row contains the numbers 2, an empty square, an empty square, and 5. The bottom row contains the numbers 3, an empty square, an empty square, and 6. The grid is enclosed in a rectangular frame with small protrusions on the left and right sides.

Pin	Wire	Function
1	0.35 VLT/BLK	Upward
2	N/A	N/A
3	0.35 BLK	GND
4	0.35 VLT/WHT	Downward
5	N/A	N/A
6	0.35 YEL/RED	Background light power supply

Door lock micro switch & Driver door lock cylinder switch

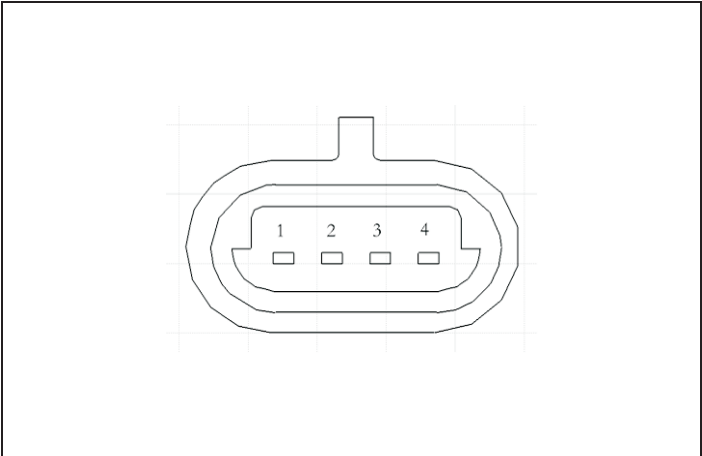
T4d-Door lock micro switch connector, 4 pins
T4e-Driver door lock cylinder switch connector, 4 pins



Pin	Wire	Function
1	0.35 BLU/WHT	Background light power supply
2	0.35 YEL/GRN	Signal output
3	N/A	N/A
4	0.35 BLK	GND
5	0.35 ORN/BLU	Lock
6	0.35 BLK	GND
7	0.35 ORN	Unlock
8	N/A	N/A

RL door lock switch

T4d-Door lock micro switch connector, 4 pins



Pin	Wire	Function
1	0.35 BLU/WHT	Background light power supply
2	0.35 YEL/GRN	Signal output
3	N/A	N/A
4	0.35 BLK	GND

[illegible]

The diagram shows a rectangular circuit board with a central rectangular area. This central area contains four numbered slots, labeled 1, 2, 3, and 4, arranged horizontally. Each slot is represented by a small rectangle with a number above it. The board has a notch at the top center. The entire board is outlined with a double-line border.

Trunk lock motor

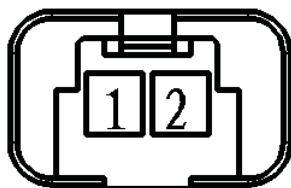
A cross-sectional diagram of a tooth, oriented vertically with the crown at the top. The diagram is divided into three main regions: the crown (top), root (middle), and apex (bottom). Four numbered labels with arrows point to specific anatomical features:

- 1**: Points to the **enamel** layer on the crown.
- 2**: Points to the **dentin** layer on the crown.
- 3**: Points to the **pulp chamber** within the crown.
- 4**: Points to the **pulp root** within the root.

34

Trunk lid outer open button

T2ao-Trunk lid outer open button connector, 2 pins



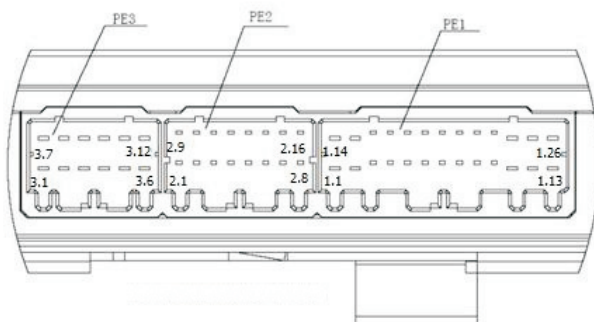
Pin	Wire	Function
1	0.5 BLU/BLK	Trunk lid micro switch signal output
2	0.5 BLK	GND

Body control unit

T12h-Body control unit connector A, 12 pins

T16e-Body control unit connector C, 16 pins

T26c-Body control unit connector B, 26 pins



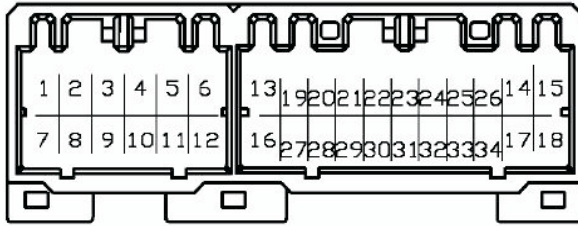
Pin	Wire	Function
1.1	0.5 YEL/VLT	Left turning lamp output
1.2	0.5 BRN/VLT	Right turning lamp output
1.3	0.35 BRN/YEL	Rear defroster output
1.4	0.35 WHT/GRN	Collision signal input
1.5	0.35 ORN/BLU	External lock signal
1.6	0.35 ORN	External unlock signal
1.7	0.35 YEL/BLU	Trunk lid unlock signal
1.8	0.35 BLK/WHT	Trunk ajar signal
1.9	0.35 YEL/BLK	Position lamp request signal
1.10	1.0 GRA/YEL	Rear fog lamp output
1.11	1.5 BLU/WHT	Rear left window up output
1.12	1.5 RED	Power (BAT)
1.13	1.5 BLU/BLK	Rear left window down output

1.14	1.0 GRA/RED	Trunk motor (unlock)
1.15	1.5 BLK	GND
1.16	N/A	N/A
1.17	0.35 ORN/L-BLU	Speed signal
1.18	0.35 GRA/BLK	Headlamp switch
1.19	0.35 WHT/GRN	Rear fog lamp switch
1.20	0.35 BRN	Front fog lamp switch
1.21	1.0 L-BLU/BLK	Ignition on switch
1.22	0.35 RED/BLU	Rear defroster switch
1.23	1.0 GRA/YEL	Rear fog output
1.24	1.5 VLT/BLK	RR door window down output
1.25	1.5 RED	Power (BAT)
1.26	1.5 VLT/WHT	RR door window up output
2.1	0.35 ORN/BLK	FL door window up request
2.2	0.35 RED/WHT	FR door window up request
2.3	0.35 BLU/BLK	RL door window up request
2.4	0.35 VLT/BLK	RR door window up request
2.5	0.35 RED/YEL	Central lock request
2.6	0.35 YEL/GRN	Door open/close state input
2.7	0.35 YEL/BLK	Door open/close indicator output
2.8	N/A	N/A
2.9	0.35 ORN/WHT	FL door window down request
2.10	0.35 RED/BLK	FR door window down request
2.11	0.35 BLU/WHT	RL door window down request
2.12	0.35 VLT/WHT	RR door window down request
2.13	0.5 WHT/BLU	Hazard warning lamp request
2.14	0.35 BRN/BLK	Left turning lamp request
2.15	0.35 YEL/BLU	Right turning lamp request
2.16	0.5 RED	Ignition switch illumination
3.1	1.5 RED/BLK	FR door window down output
3.2	1.5 RED/WHT	Power (BAT)
3.3	1.5 RED/WHT	FR door window up output
3.4	1.0 GRA/RED	Lock motor (unlocking output)
3.5	1.5 GRA/YEL	Lock motor (locking output)
3.6	1.5 RED	Power (BAT)
3.7	1.5 ORN/BLK	FL door window up output
3.8	1.5 RED/WHT	Power (BAT)
3.9	1.5 ORN/WHT	FL door window down output
3.10	1.5 BLK	GND
3.11	1.5 BLK	GND
3.12	1.5 BLK	GND

PEPS

T12i-Body control unit connector E, 12 pins

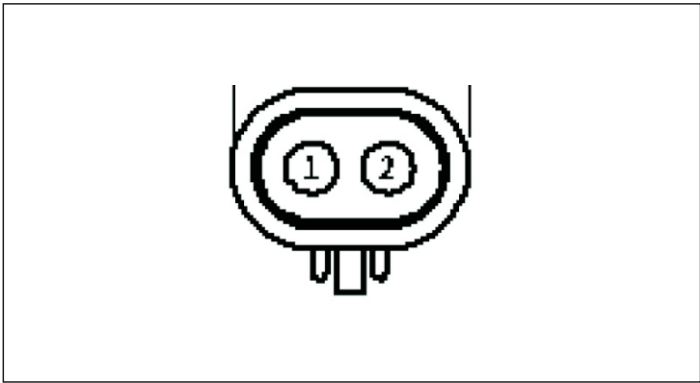
T22a-Body control unit connector D, 22 pins



Pin	Wire	Function
1	0.35 RED/GRN	Trunk lid outer open button open signal (with PEPS)
2	N/A	N/A
3	0.5 BLU/WHT	Communication line
4	0.5 BRN/WHT	Driver door inner antenna (+)
5	0.5 WHT	Central console front antenna (+)
6	0.5 VLT	Central console rear antenna (+)
7	0.5 BLK	Passenger compartment rear antenna (+)
8	0.5 GRY	Bump rear antenna (+)
9	0.5 BLK/BLU	Driver door inner antenna (-)
10	0.5 RED	Central console front antenna (-)
11	0.5 ORN	Central console rear antenna (-)
12	N/A	N/A
13	N/A	N/A
14	0.5 RED	Combination instrument LED (red)
15	0.5 GRN	Combination instrument LED (green)
16	N/A	N/A
17	N/A	N/A
18	0.5 VLT/WHT	Horn
19	0.35 ORN	Power (IG)
20	N/A	N/A
21	0.5 GRN	Passenger compartment rear antenna (-)
22	0.5 BLU	Bump rear antenna (-)
23	0.35 RED/BLU	Driver door handle switch signal input
24	N/A	N/A
25	N/A	N/A
26	N/A	N/A
27	N/A	N/A
28	N/A	N/A
29	0.5 PNK/WHT	Start rotating button solenoid valve control
30	0.5 BLU/WHT	K line
31	0.5 RED/YEL	Start rotating button switch working signal input
32	N/A	N/A
33	0.5 BLU/YEL	R line
34	0.5 GRN/YEL	K line



NOTE

[illegible]

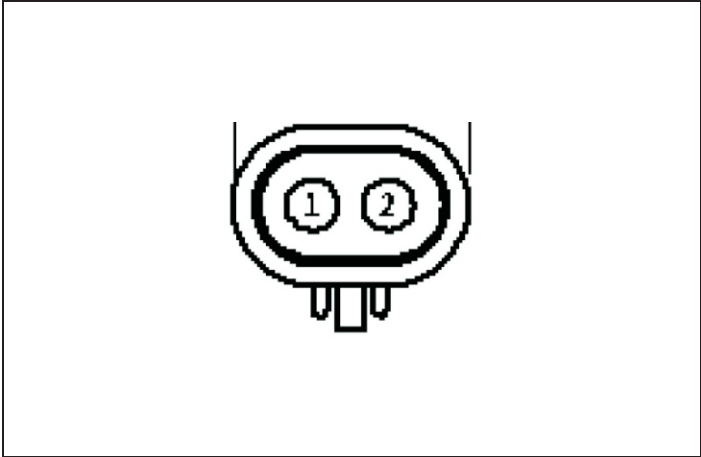
Pin	Wire	Function
1	0.5 PNK	Antenna (+)
2	0.5 BLU	Antenna (-)

A diagram of a two-pin electrical plug. It consists of a rounded rectangular body with two circular pins protruding from the bottom. The left pin is labeled '1' and the right pin is labeled '2'. Two vertical lines extend upwards from the top of the plug body, representing the power cord.

Pin	Wire	Function
1	0.5 RED	Antenna (+)
2	0.5 BLK/WHT	Antenna (-)

A simple line drawing of a robot's face. It has an oval-shaped head with a thick border. Inside the head are two circular eyes, each containing a number: '1' on the left and '2' on the right. Below the head are three vertical lines of varying heights representing a mouth or chin.

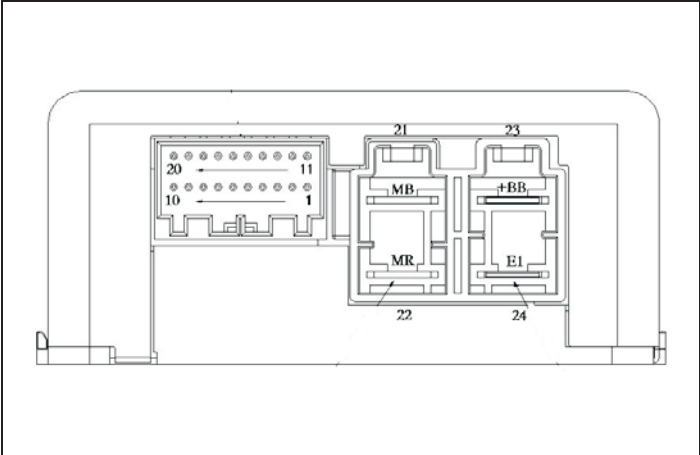
Pin	Wire	Function
1	0.5 BRN/WHT	Antenna (+)
2	0.5 BLK/BLU	Antenna (-)

[illegible]

Pin	Wire	Function
1	0.5 RED/BLU	Front left door handleswitch (+)
2	0.5 BLK	GND

EPS system control unit

T20e-EPS system control unit connector A, 2 pins,
 T2ak-EPS system control unit connector B, 2 pins
 T2aj-EPS system control unit connector C, 2 pins



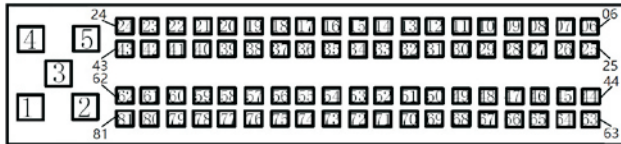
Pin	Wire	Function
1	0.5 ORN/BLU	Power (IG)
2	0.5 ORN/L-BLU	Speed signal
3	0.5 BLU	Rotating shaft sensor power 1
4	0.5 BLU/YEL	Rotating shaft sensor torque pulse width signal 1
5	0.5 BLU/BLK	Rotating shaft sensor GND1
6	N/A	N/A
7	N/A	N/A
8	N/A	N/A
9	N/A	N/A
10	N/A	N/A
11	N/A	N/A
12	0.5 WHT/YEL	Engine speed signal
13	0.5 GRA/RED	Rotating shaft sensor power 2
14	0.5 BLU/GRN	Rotating shaft sensor torque pulse width signal 2
15	0.5 BLU/GRA	Rotating shaft sensor GND 2
16	0.5 ORN/BLK	K line
17	N/A	N/A
18	N/A	N/A
19	N/A	N/A
20	0.5 BLU/BRN	Malfunction indicator
21	5.5 RED	Motor (+)
22	5.5 BLK	Motor (-)
23	10.0 RED	Power (BAT)
24	10.0 BLK	GND



NOTE

Engine control unit (MT)

T81a-Engine control unit connector, 81 pins

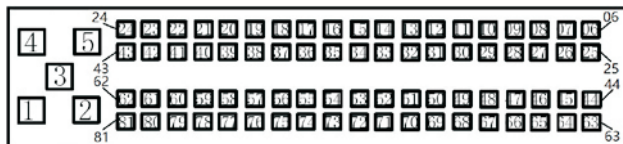


Pin	Wire	Function
1	1.5 GRN/WHT	Ignition coil 2 control
2	1.5 GRN/YEL	Ignition coil 3 control
3	2.5 BLK	GND
4	1.5 GRN/RED	Ignition coil 4 control
5	1.5 PNK/YEL	Ignition coil 1 control
6	0.75 ORN	Injector 2 control
7	0.75 BRN	Injector 3 control
8	0.75 GRA/YEL	Engine revolution speed output
9	N/A	N/A
10	0.5 ORN/BLU	Fuel consumption output
11	0.75 BRN/BLK	R line
12	0.75 RED	Power (BAT)
13	0.75 GRN/BLK	Power (IG)
14	0.75 GRA/BLK	Main relay control
15	0.75 YEL/GRN	Engine revolution speed sensor signal
16	0.5 BRN/VLT	Accelerator pedal sensor signal
17	0.75 WHT/BRN	Sensor GND 1
18	0.5 L-BLU	Upstream oxygen sensor signal
19	0.5 GRN	Knock sensor signal
20	0.5 BLK	Knock sensor signal
21	0.5 PNK/BLK	Brake light signal input
22	N/A	N/A
23	N/A	N/A
24	N/A	N/A
25	N/A	N/A
26	0.75 VLT/GRN	Upstream oxygen sensor heating control
27	0.75 RED/YEL	Injector 1 control
28	0.75 WHT	Downstream oxygen sensor heating
29	N/A	N/A
30	N/A	N/A
31	0.75 RED/BLU	Malfunction indicator control
32	0.75 BLU/YEL	5V (+)
33	0.75 ORN/L-BLU	5V (+)
34	N/A	N/A
35	0.75 BLU/BRK	Sensor GND 3
36	0.75 YEL	Sensor GND 2

37	0.5 BRN/RED	MAP sensor signal
38	0.5 VLT/BLK	Throttle position sensor 2 signal
39	0.5 BLK	Engine coolant temperature sensor signal
40	0.5 GRA/GRN	Accelerator pedal sensor signal
41	N/A	N/A
42	0.5 GRN/VLT	Intake air temperature sensor signal input
43	N/A	N/A
44	0.75 RED/WHT	Power (main relay)
45	0.75 RED/WHT	Power (main relay)
46	0.75 PNK/YEL	Carbon canister solenoid valve control
47	0.75 WHT/BLK	Injector 4 control
48	0.75 WHT/VLT	Air intake VCT valve
49	N/A	N/A
50	0.75 BLK/YEL	Fan relay (low speed) control
51	0.75 BLK	GND
52	N/A	N/A
53	0.75 BLK	GND
54	0.5 L-BLU/GRN	Throttle position sensor 1 signal
55	0.5 L-BLU/RED	Downstream oxygen sensor signal
56	N/A	N/A
57	N/A	N/A
58	0.5 VLT/YEL	Brake switch signal input
59	N/A	N/A
60	0.5 GRA/BLU	A/C medium pressure switch signal input
61	0.75 BLK	GND
62	N/A	N/A
63	0.75 RED/WHT	Power (main relay)
64	0.75 GRA	Throttle actuator control 1
65	0.75 GRA	Throttle actuator control 1
66	0.75 BLK/RED	Throttle actuator control 2
67	0.75 BLK/RED	Throttle actuator control 2
68	0.75 YEL/BLK	Fan relay (high speed) control
69	0.75 RED/GRA	A/C compressor relay control
70	0.75 WHT/GRN	Fuel pump relay control
71	0.5 BLU/GRN	K line
72	0.5 YEL/VLT	ABS wheel speed signal input
73	0.5 BLU/RED	5V (+)
74	0.5 BLU	Clutch switch signal input
75	0.5 BLU/WHT	A/C request signal
76	N/A	N/A
77	0.5 GRN/WHT	Headlamp working signal input
78	0.75 VLT	Sensor GND 4
79	0.75 RED/GRN	Phase sensor signal
80	0.75 BLK	GND
81	N/A	N/A

Engine control unit (AT)

T81a-Engine control unit connector, 81 pins

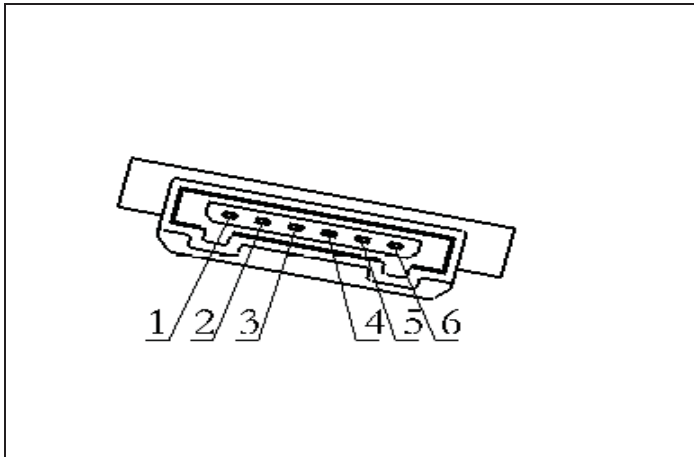


Pin	Wire	Function
1	1.5 GRA	Ignition coil 2 control
2	1.5 WHT	Ignition coil 3 control
3	2.5 BLK	GND
4	1.5 RED	Ignition coil 4 control
5	1.5 BLU	Ignition coil 1 control
6	0.75 ORN	Injector 2 control
7	0.75 BRN	Injector 3 control
8	0.75 GRA/YEL	Revolution speed output
9	N/A	N/A
10	0.5 ORN/BLU	Fuel consumption output
11	0.75 BRN/YEL	R line
12	0.75 RED	Power (BAT)
13	0.75 ORN/BLU	Power (IG)
14	0.75 GRA/BLK	Main relay control
15	0.75 RED/GRN	Engine revolution speed sensor signal
16	0.5 BRN/VLT	Accelerator pedal sensor signal
17	0.75 RED/VLT	Sensor GND 1
18	0.5 L-BLU	Upstream oxygen sensor signal
19	0.5 GRN	Knock sensor signal
20	0.5 BLK	Knock sensor signal
21	0.5 PNK/BLK	Brake light signal input
22	N/A	N/A
23	N/A	N/A
24	N/A	N/A
25	N/A	N/A
26	0.75 VLT	Upstream oxygen sensor heating control
27	0.75 RED/YEL	Injector 1 control
28	0.75 WHT	Downstream oxygen sensor heating
29	N/A	N/A
30	N/A	N/A
31	0.75 RED/BLU	Malfunction indicator light control
32	0.75 BLU/YEL	5V (+)
33	0.75 ORN/L-BLU	5V (+)
34	N/A	N/A
35	0.75 BRN/GRA	Sensor GND 3
36	0.75 YEL	Sensor GND 2

37	0.5 BRN/RED	MAP sensor signal
38	0.5 VLT/BLK	Throttle position sensor 2 signal
39	0.5 BLK	Engine coolant temperature sensor signal
40	0.5 GRA	Accelerator pedal sensor signal
41	N/A	N/A
42	0.5 YEL	Intake air temperature sensor signal input
43	N/A	N/A
44	0.75 RED/WHT	Power (Main relay)
45	0.75 RED/WHT	Power (Main relay)
46	0.75 PNK/YEL	Carbon canister solenoid valve control
47	0.75 GRA/YEL	Injector 4 control
48	0.75 VLT	Air intake VCT valve
49	N/A	N/A
50	0.75 BLK/YEL	Fan relay (low speed) control
51	0.75 BLK	GND
52	N/A	N/A
53	0.75 BLK	GND
54	0.5 L-BLU/GRN	Throttle position sensor 1 signal
55	0.5 L-BLU/RED	Downstream oxygen sensor signal
56	N/A	N/A
57	N/A	N/A
58	0.5 VLT/YEL	Brake switch signal input
59	N/A	N/A
60	0.5 GRA/BLU	A/C medium pressure switch signal input
61	0.75 BLK	GND
62	0.5 GRA/BLK	CAN-High
63	0.75 RED/WHT	Power (main relay)
64	0.75 GRA	Throttle actuator control 1
65	0.75 GRA	Throttle actuator control 1
66	0.75 BLK/RED	Throttle actuator control 2
67	0.75 BLK/RED	Throttle actuator control 2
68	0.75 YEL/RED	Fan relay (high speed) control
69	0.75 RED/GRA	A/C compressor relay control
70	0.75 RED/GRN	Fuel pump relay control
71	0.5 BLU/GRN	K line
72	0.5 YEL/GRN	ABS wheel speed signal
73	0.5 BLU/YEL	5V (+)
74	N/A	N/A
75	0.5 BLU/WHT	A/C request signal
76	N/A	N/A
77	0.5 GRN/BLK	Headlamp signal input
78	0.75 VLT	Sensor GND 4
79	0.75 RED/GRN	Phase sensor signal
80	0.75 BLK	GND
81	0.5 L-BLU/RED	CAN-Low

Electric accelerator pedal

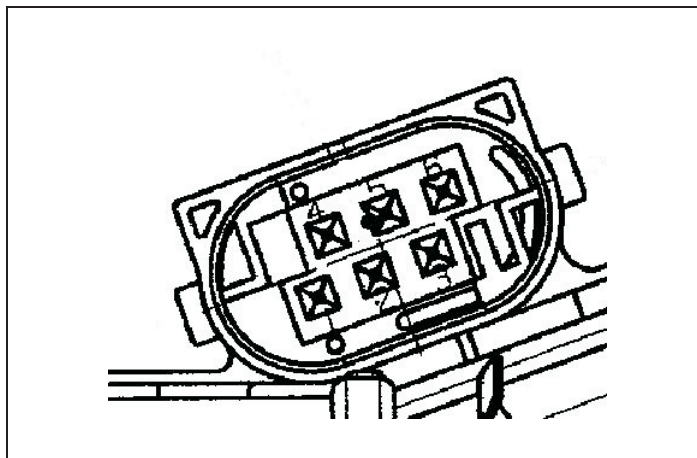
T6r-Electric accelerator pedal connector, 6 pins



Pin	Wire	Function
1	0.75 BLU/YEL	APP sensor power supply 2
2	0.5 RED/BLK	APP sensor power supply 1
3	0.5 GRN/BLK	Low reference 1
4	0.5 GRN/GRA	APP sensor output 1
5	0.5 L-BLU/GRN	Low reference 2
6	0.5 L-BLU/RED	APP sensor output 2

Throttle position sensor

T6s-Throttle position sensor connector, 6 pins



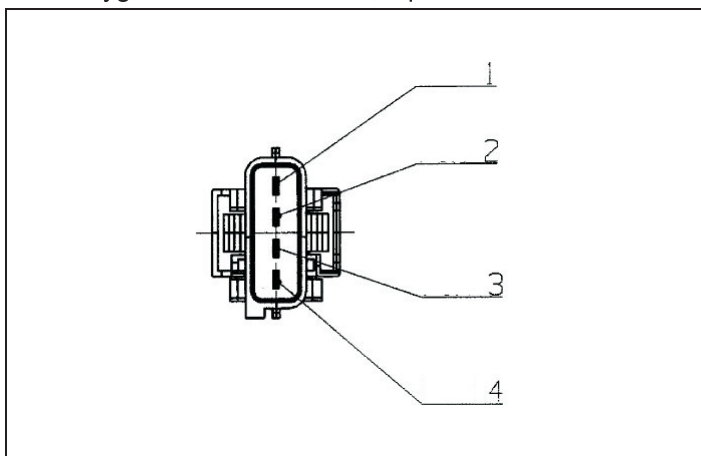
Pin	Wire	Function
1	0.5 BLK/RED	Motor control 2
2	0.75 VLT	Sensor GND
3	0.5 BLU/YEL	Sensor power supply
4	0.5 GRA	Motor control 1
5	0.5 VLT/BLK	Signal output 2
6	0.5 L-BLU/GRN	Signal output 1



NOTE

Front oxygen sensor

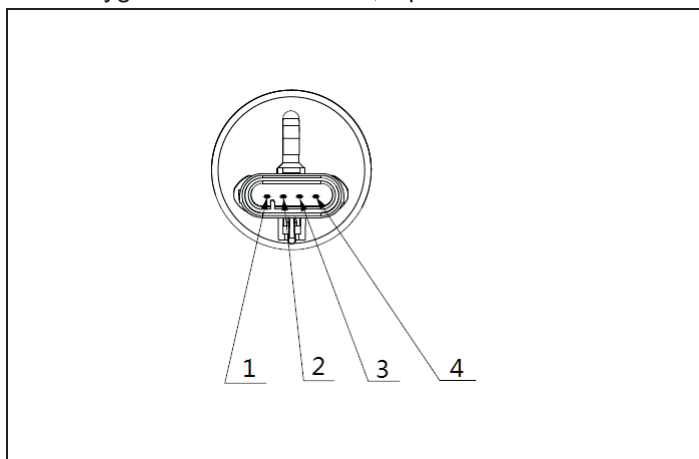
T4f-Oxygen sensor connector, 4 pins



Pin	Wire	Function
1	1.0 BRN/WHT	Heater (+)
2	0.75 VLT/GRN	Heater (-)
3	0.75 YEL	Low reference
4	0.5 L-BLU	Sensor signal out

Rear oxygen sensor

T4f-Oxygen sensor connector, 4 pins



Pin	Wire	Function
1	0.5 L-BLU/RED	Sensor signal out
2	0.75 YEL	Low reference
3	0.75 WHT	Heater (-)
4	1.0 BRN/WHT	Heater (+)



NOTE

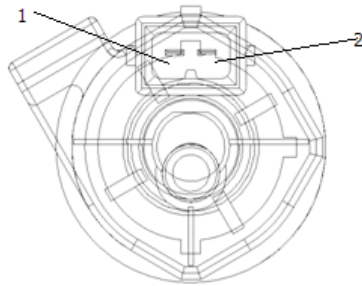
[illegible]

Oil pressure switch

44

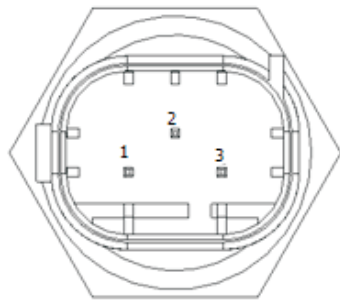


T2k-Carbon canister solenoid valve connector, 2 pins



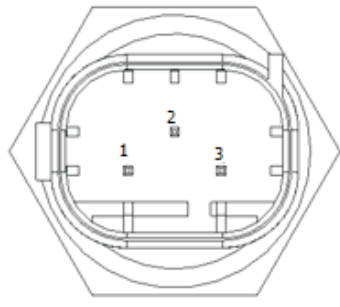
Pin	Wire	Function
1	0.75 BRN/WHT	Power supply
2	0.75 PNK/YEL	Solenoid valve control

T3o-Coolant temperature sensor connector, 3 pins



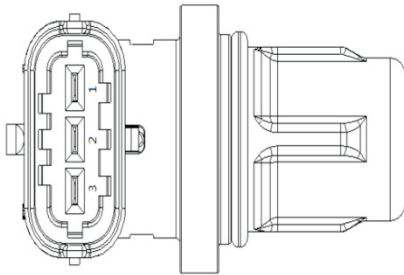
Pin	Wire	Function
1	0.5 BLK	ECU signal
2	0.5 L-BLU	IPC signal
3	0.5 WHT/BRN	Low reference

T3b-Engine revolution speed sensor connector, 3 pins



Pin	Wire	Function
1	0.75 ORN/L-BLU	Power supply
2	0.75 YEL/GRN	Signal output
3	0.75 WHT/BRN	Low reference

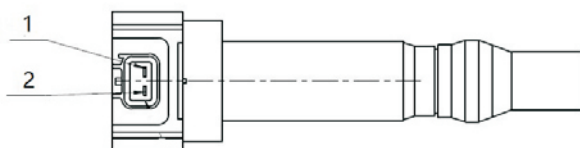
T3c-Phase position sensor connector, 3 pins



Pin	Wire	Function
1	0.75 BLU/YEL	Power supply
2	0.75 RED/GRN	Signal output
3	0.75 BLU/BLK	Low reference

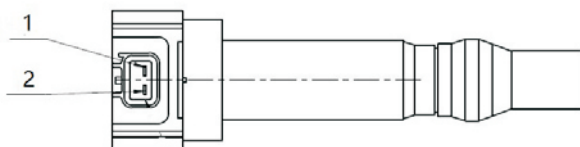


T2ab-Ignition coil connector, 2 pins



Pin	Wire	Function
1	1.5 RED/YEL	IC control
2	1.5 GRA/RED	Power supply

T2ab-Ignition coil connector, 2 pins

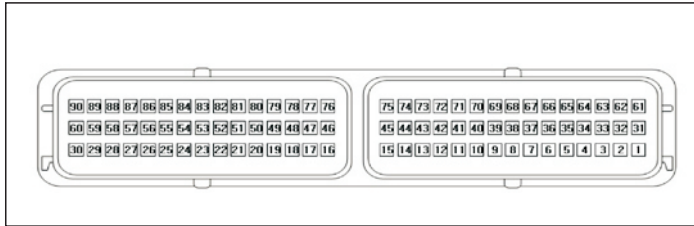


Pin	Wire	Function
1	1.5 GRN/WHT	IC control
2	1.5 GRA/RED	Power supply



4F16 TCU

T90a-Automatic transmission control unit connector, 90 pins

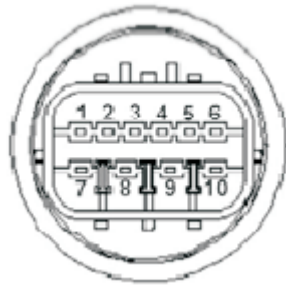


Pin	Wire	Function
1	N/A	N/A
2	1.25 BLK	GND
3	1.25 BLK	GND
4	N/A	N/A
5	N/A	N/A
6	N/A	N/A
7	N/A	N/A
8	N/A	N/A
9	N/A	N/A
10	N/A	N/A
11	N/A	N/A
12	N/A	N/A
13	N/A	N/A
14	0.5 WHT/VLT	Oil temperature sensor (-)
15	0.5 BRN/GRN	Oil temperature sensor (+)
16	N/A	N/A
17	N/A	N/A
18	0.5 BLK	Input shaft sensor GND
19	0.5 BLK	Output shaft sensor signal GND
20	0.5 PNK/WHT	R gear switch signal input
21	N/A	N/A
22	N/A	N/A
23	N/A	N/A
24	1.25 BLK	GND
25	1.25 BLK	GND
26	N/A	N/A
27	N/A	N/A
28	N/A	N/A
29	0.5 ORN/BLU	Power (IG)
30	1.0 RED	Power (BAT)
31	0.5 ORN/L-BLU	Variable force solenoid (-)
32	N/A	N/A
33	N/A	N/A
34	N/A	N/A
35	N/A	N/A
36	0.5 WHT	PCSV-C (UD)
37	N/A	N/A
38	N/A	N/A
39	N/A	N/A
40	N/A	N/A
41	N/A	N/A

42	N/A	N/A
43	N/A	N/A
44	N/A	N/A
45	N/A	N/A
46	0.5 WHT/BLU	Output shaft sensor signal
47	N/A	N/A
48	0.5 L-BLU/RED	Up shift request signal
49	0.5 WHT/BLK	D gear switch signal input
50	N/A	N/A
51	N/A	N/A
52	N/A	N/A
53	N/A	N/A
54	N/A	N/A
55	N/A	N/A
56	0.5 BLU/GRN	Diagnostic line
57	N/A	N/A
58	N/A	N/A
59	N/A	N/A
60	N/A	N/A
61	1.25 RED	Battery voltage for HSD power
62	1.25 RED	Battery voltage for HSD power
63	N/A	N/A
64	0.5 BRN	Manual mode gear indicate signal output
65	0.5 BRN	PCSV-B (2ND)
66	0.5 BLU	PCSV-D (DCCV)
67	0.5 BLU/YEL	ON/OFF solenoid
68	N/A	N/A
69	N/A	N/A
70	0.5 GRA/BLU	PCSV-A (OD&LR)
71	N/A	N/A
72	1.25 RED	Battery voltage after HSD for solenoids power supply
73	1.25 RED	Battery voltage after HSD for solenoids power supply
74	1.25 GRN	Variable force solenoid (+)
75	N/A	N/A
76	0.5 BLU	Input shaft sensor signal
77	0.5 GRA	Down shift request signal
78	0.5 ORN	Manual mode request signal
79	0.5 ORN/BLK	N gear switch signal input
80	N/A	N/A
81	0.5 L-BLU	P gear switch signal input
82	N/A	N/A
83	N/A	N/A
84	N/A	N/A
85	N/A	N/A
86	N/A	N/A
87	0.5 L-BLU/RED	CAN-Low
88	0.5 GRA/BLK	CAN-High
89	N/A	N/A
90	N/A	N/A

Automatic transmission

T10b-Automatic transmission connector, 10 pins



Pin	Wire	Function
1	0.5 GRA/BLU	PCSV-A (OD&LR)
2	0.5 BRN	PCSV-B (2ND)
3	0.5 BLU/YEL	ON/OFF solenoid
4	0.5 BLU	PCSV-D (DCCV)
5	0.5 BRN/GRN	Oil temperature sensor (+)
6	0.5 WHT/VLT	Oil temperature sensor (-)
7	1.5 RED	Battery voltage after HSD for solenoids power supply
8	0.5 WHT	PCSV-C (UD)
9	1.25 GRN	Variable force solenoid (+)
10	0.5 ORN/I-BLU	Variable force solenoid (-)

Input shaft sensor

T3d-Input shaft sensor connector, 3 pins

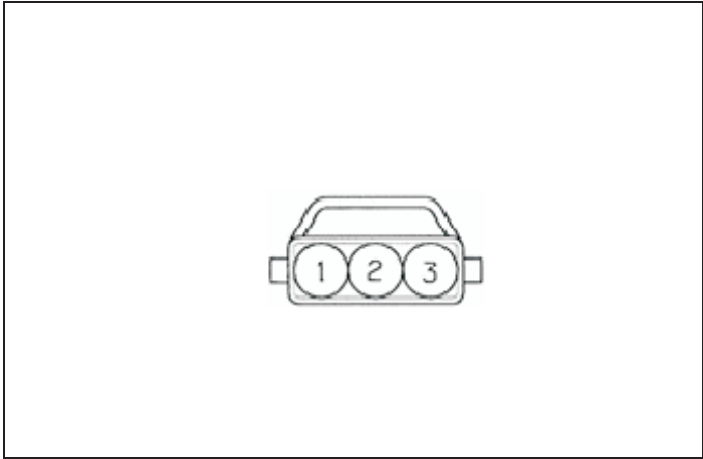


Pin	Wire	Function
1	0.5 BLK	GND
2	0.5 BLU	Input shaft sensor signal
3	0.5 ORN/BLU	Power (IG)



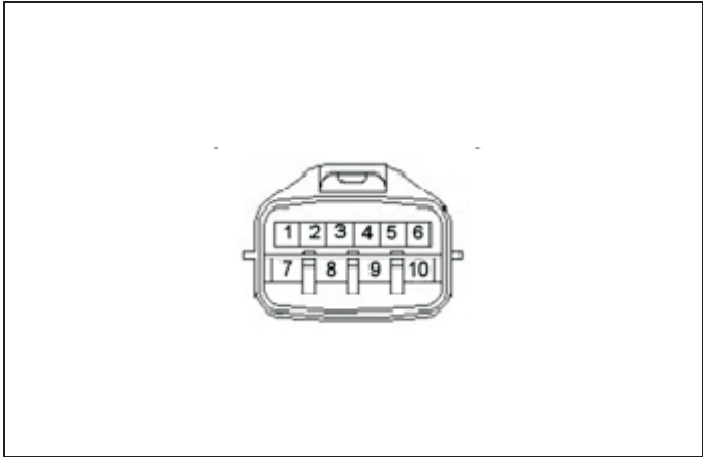
NOTE

T3e-Output shaft sensor connector, 3 pins



Pin	Wire	Function
1	0.5 BLK	GND
2	0.5 WHT/BLU	Output shaft sensor signal
3	0.75 RED	Power (IG)

T10d-Automatic transmission connector, 10 pins



Pin	Wire	Function
1	0.5 L-BLU	P gear signal
2	0.5 WHT/BLK	D gear signal
3	N/A	N/A
4	N/A	N/A
5	N/A	N/A
6	0.5 ORN/BLK	N gear signal
7	1.0 PNK/WHT	R gear signal
8	1.0 RED	Power (IG)
9	0.5 RED/BLK	Start signal output
10	0.5 RED/VLT	Start signal input



Abbreviations and meanings

No.	Abbreviation	Meaning
1	WHT	White
2	RED	Red
3	BLK	Black
4	BRN	Brown
5	ORN	Orange
6	YEL	Yellow
7	VLT	Violet
8	GRN	Green
9	GRA	Gray
10	L-BLU	Light blue
11	PNK	Pink
12	BLU	Blue
13	BAT	Battery
14	N/A	Not applicable
15	ACC	Accessory
16	GND	Ground
17	IG	Ignition
18	A/C	Air conditioning
19	CW	Clockwise
20	CCW	Counter clockwise
21	USB	Universal serial bus
22	AUX	Auxiliary
23	AUD	Audio
24	ABS	Antilock brake system
25	FL	Front left
26	FR	Front right
27	RL	Rear left
28	RM	Rear middle
29	RR	Rear right
30	LH	Left hand
31	RH	Right hand
32	R	Right
33	L	Left
34	EPS	Electric powering steering
35	PEPS	Passive entry & passive start
36	LED	Light-emitting diode
37	ECU	Engine control unite
38	IC	Ignition coil
39	VCT	Variable camshaft timing
40	PCSV	Pressure control solenoid valve
41	DCCV	Damper clutch control valve
42	UD	Under drive
43	HSD	High side driver
44	2ND	Second
45	OD	Over drive
46	LR	Low & reverse
47	P	Park
48	D	Drive
49	R	Reverse
50	N	Neutral
51	MAP	Manifold absolute pressure
52	IPC	Instrument panel cluster
53	APP	Accelerator pedal position
54	TCU	Transmission control unit
55	W line	Line of communication
56	R line	Line of request or response
57	K line	Keyword protocol-2000
58	CAN	Controller area network
59	MT	Manual transmission
60	AT	Automatic transmission
61	OBD	On-board diagnostics



NOTE



SAIPA YADAK

Daroupakhsh St. 17th Km Karaj Makhsoos Road-TEHRAN-IRAN

www.saipayadak.org