H330



Wiring Diagram

H330WD2H/1/2

H330 Wiring Diagram



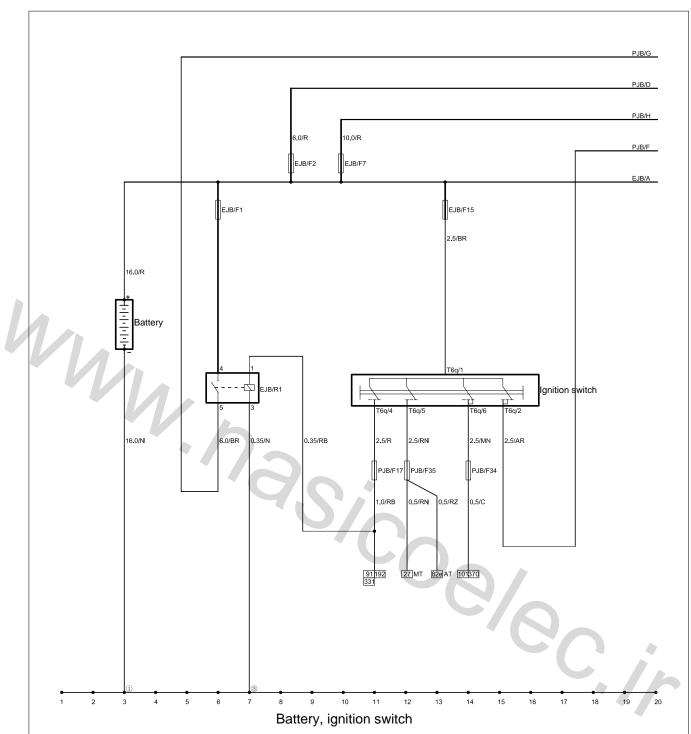
1. H330 Schematic and Routing Diagram
2. H330 Component Connector End Views

H330 Schematic and Routing Diagram



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PJB-Instrument panel fuse box

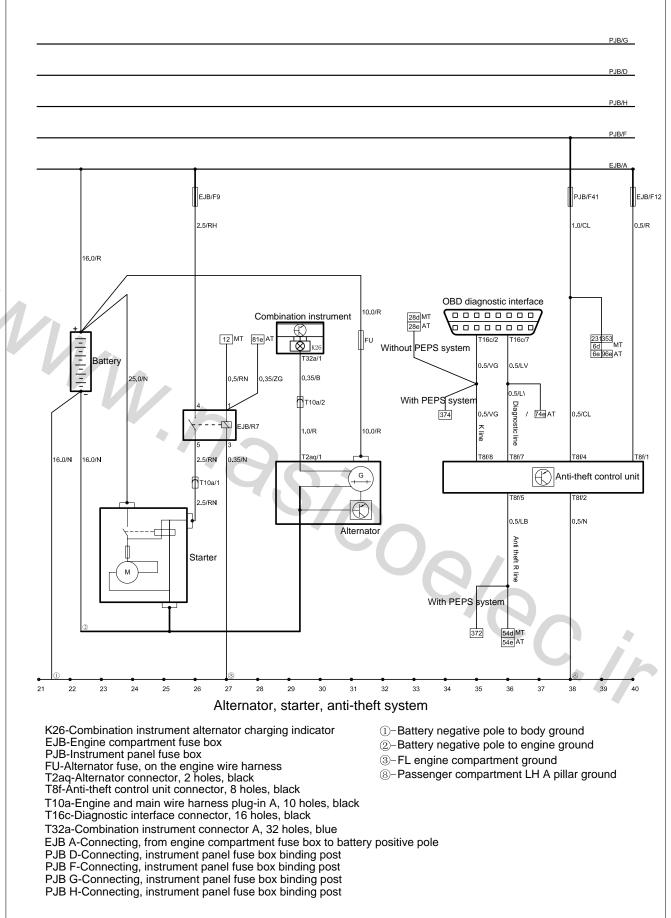
T6q-Ignition switch connector, 6 holes, white

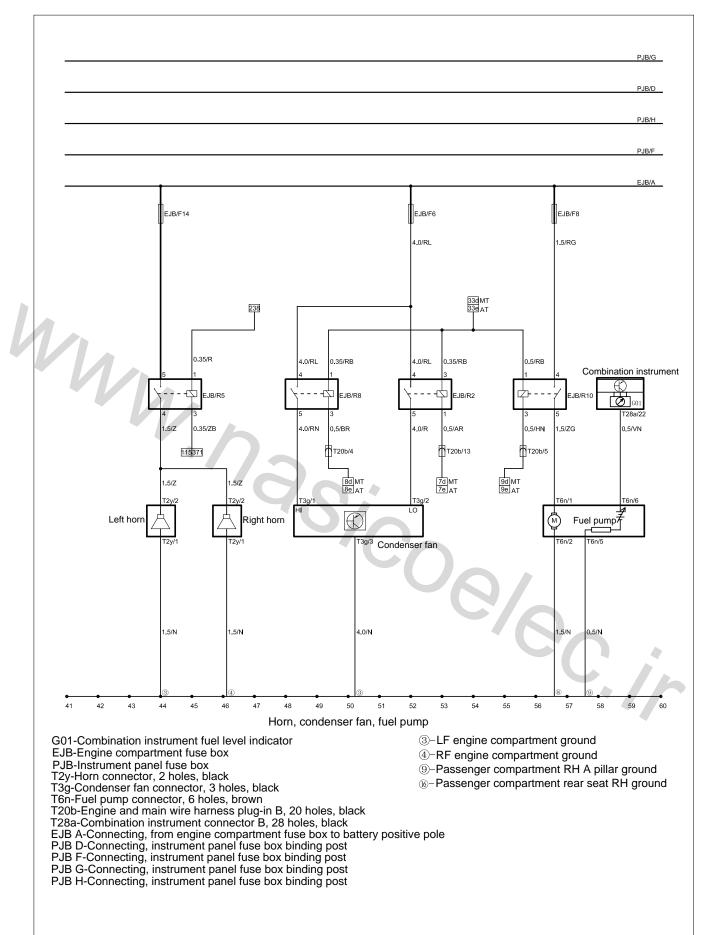
EJB A-Connecting, from engine compartment fuse box to battery positive pole

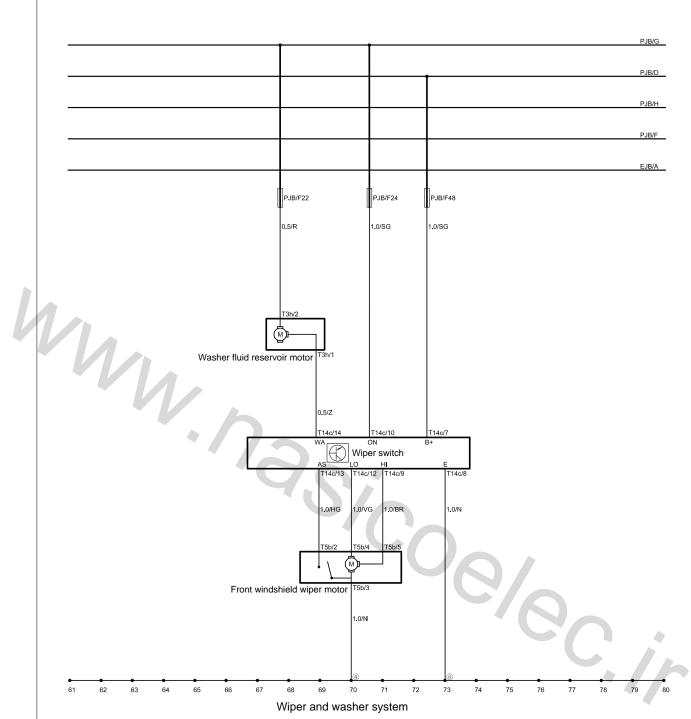
PJB D-Connecting, instrument fuse box binding post PJB F-Connecting, instrument fuse box binding post PJB G-Connecting, instrument fuse box binding post PJB G-Connecting, instrument fuse box binding post

PJB H-Connecting, instrument fuse box binding post ①-Battery negative to body ground

3-FL engine compartment ground







PJB-Instrument panel fuse box T3h-Washer fluid reservoir motor connector, 3 holes, black

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

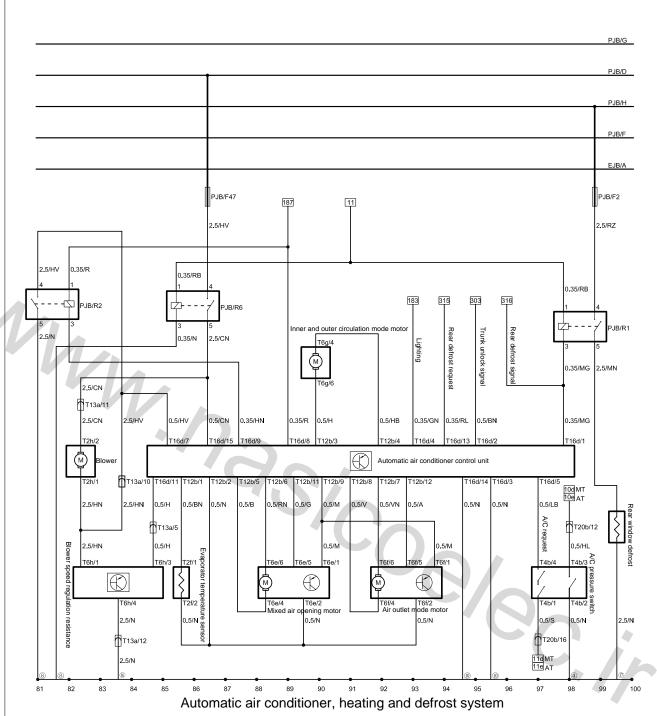
T14c-Wiper switch connector, 14 holes, white
EJB A-Connecting, from engine compartment fuse box to battery positive pole
PJB D-Connecting, instrument panel fuse box binding post
PJB F-Connecting, instrument panel fuse box binding post
PJB Connecting, instrument panel fuse box binding post

PJB G-Connecting, instrument panel fuse box binding post

PJB H-Connecting, instrument panel fuse box binding post

4-RF engine compartment ground

®-Passenger compartment LH A pillar ground



PJB-Instrument panel fuse box

T2f-Evaporator temperature sensor connnector, 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

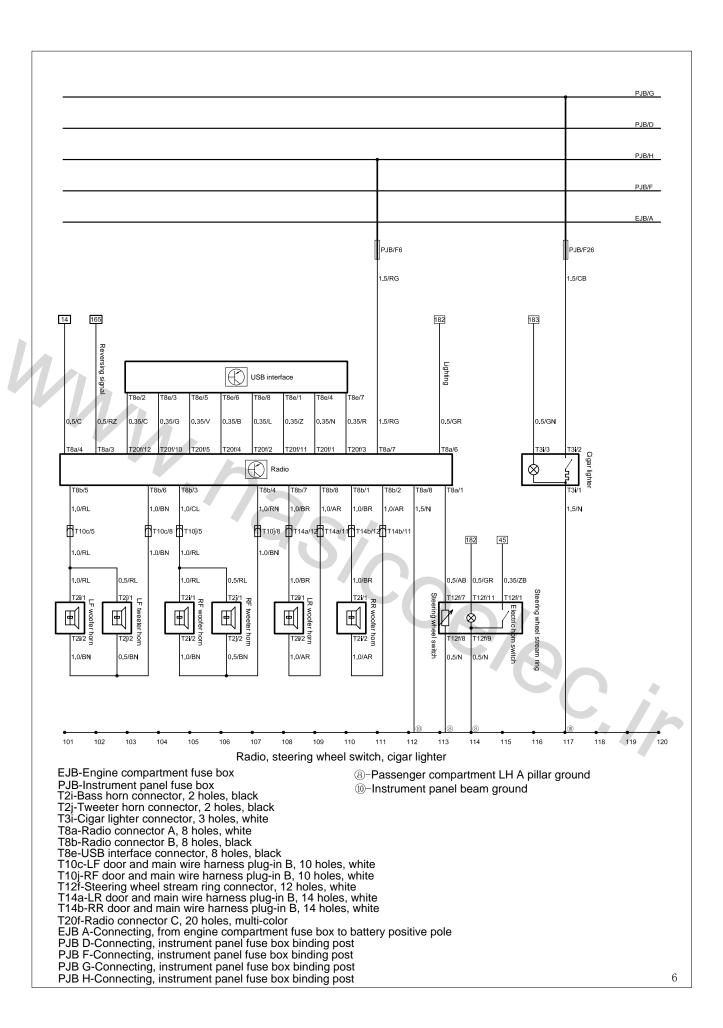
PJB D-Connecting, instrument panel fuse box binding post

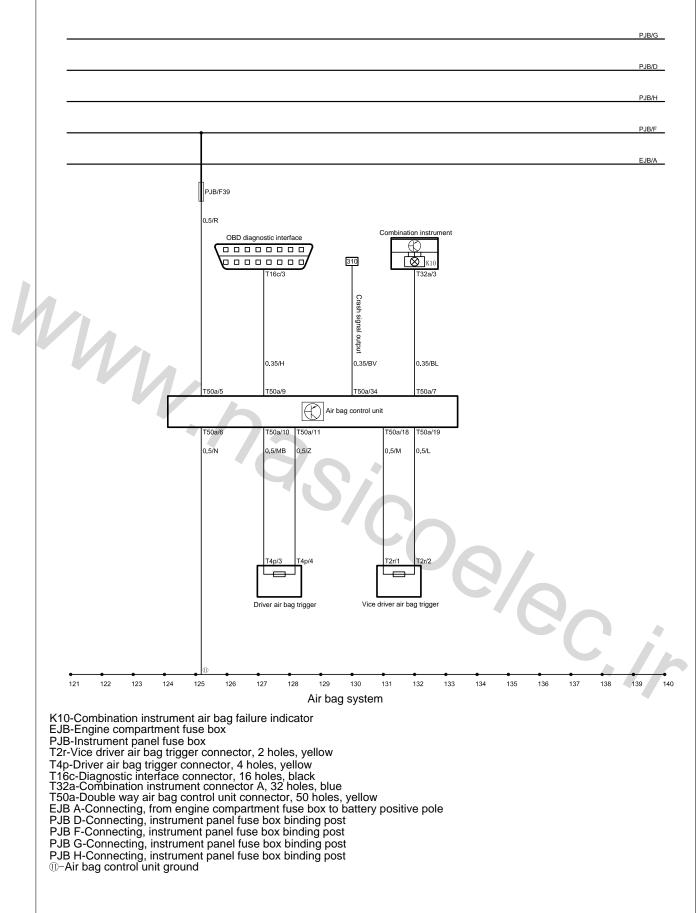
PJB F-Connecting, instrument panel fuse box binding post

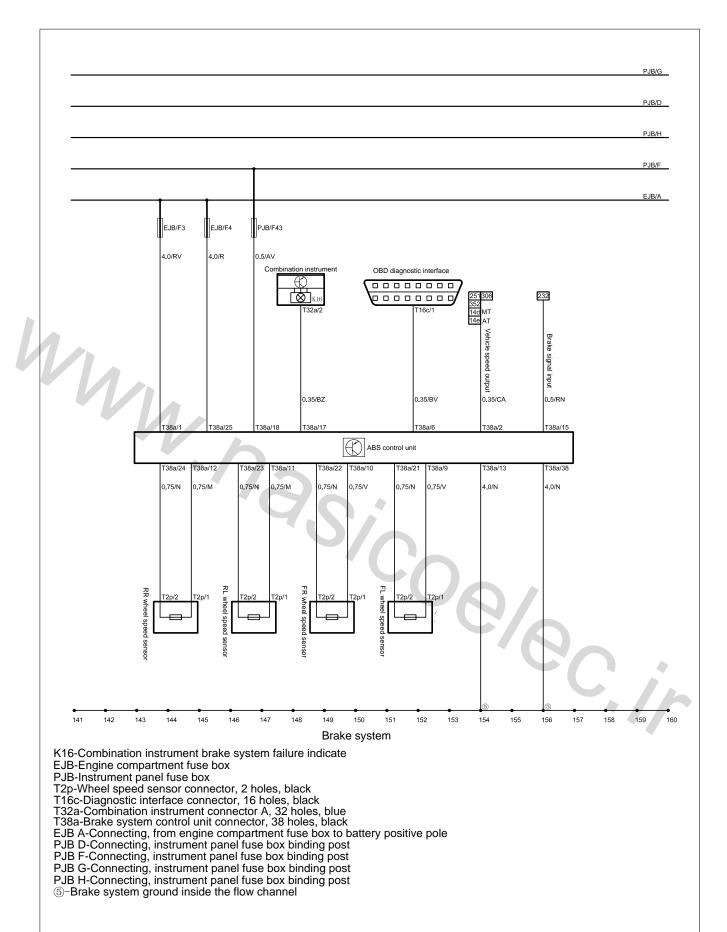
PJB G-Connecting, instrument panel fuse box binding post

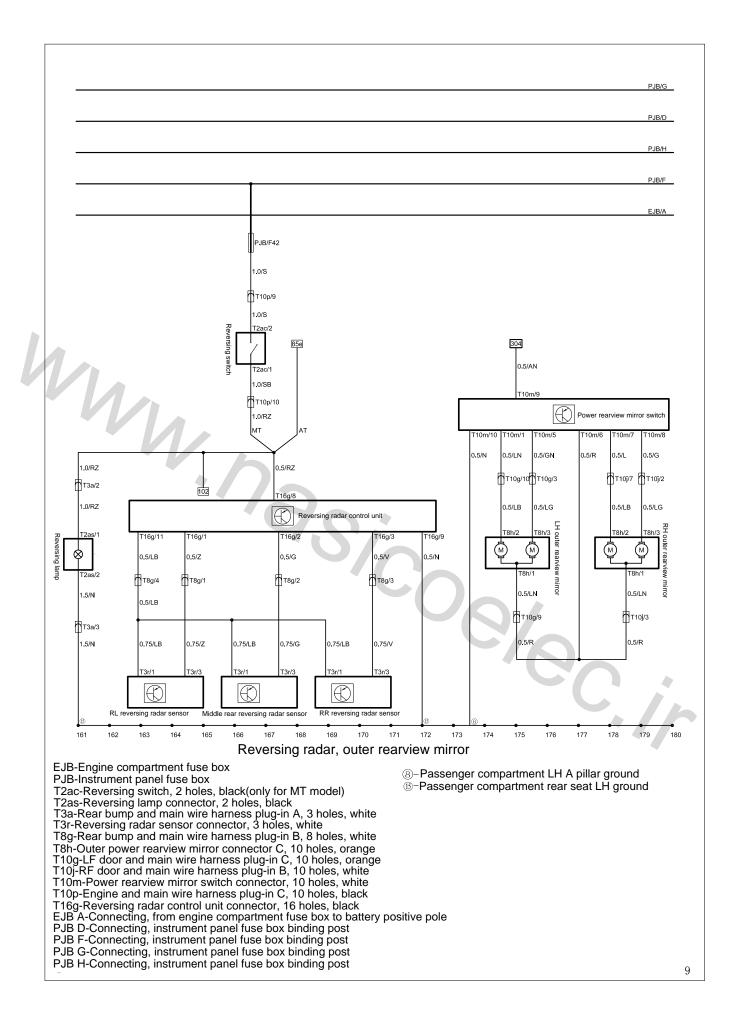
PJB H-Connecting, instrument panel fuse box binding post

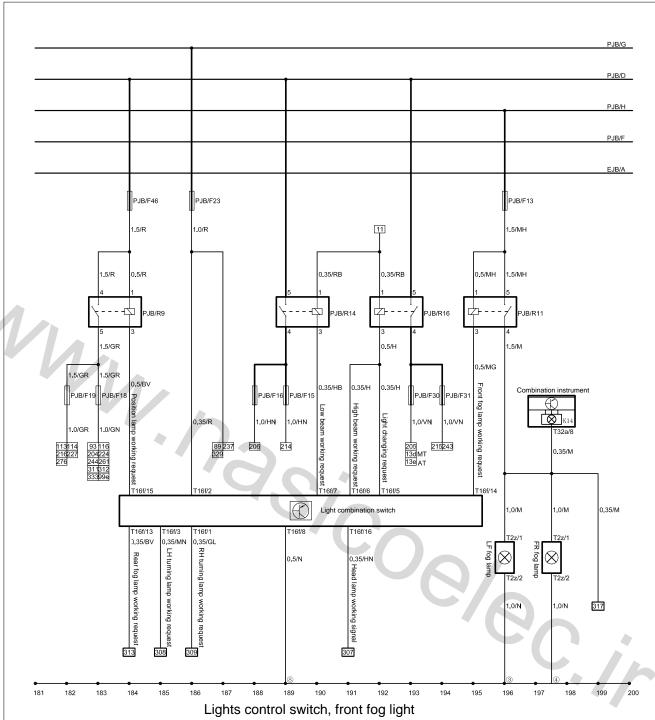
- 4-RF engine compartment ground
- ®-Passenger compartment LH A pillar ground
- IIII—Instrument panel beam ground
- [®]-Passenger compartment rear seat RH ground
- ①-Passenger compartment RH C pillar ground











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
PJB H-Connecting, instrument panel fuse box binding post

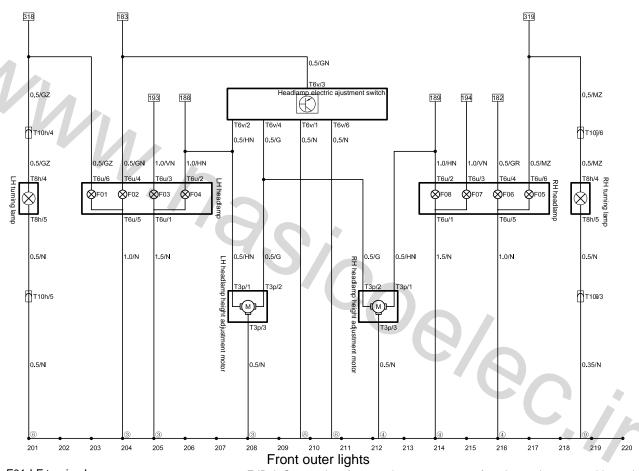
3-LF engine compartment ground

3-LF engine compartment ground

4-RF engine compartment ground

®-Passenger compartment LH A pillar ground

	PJB/G
	PJB/D
	PJB/H
	PJB/F_
	E ID/A
	EJB/A



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 witch 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

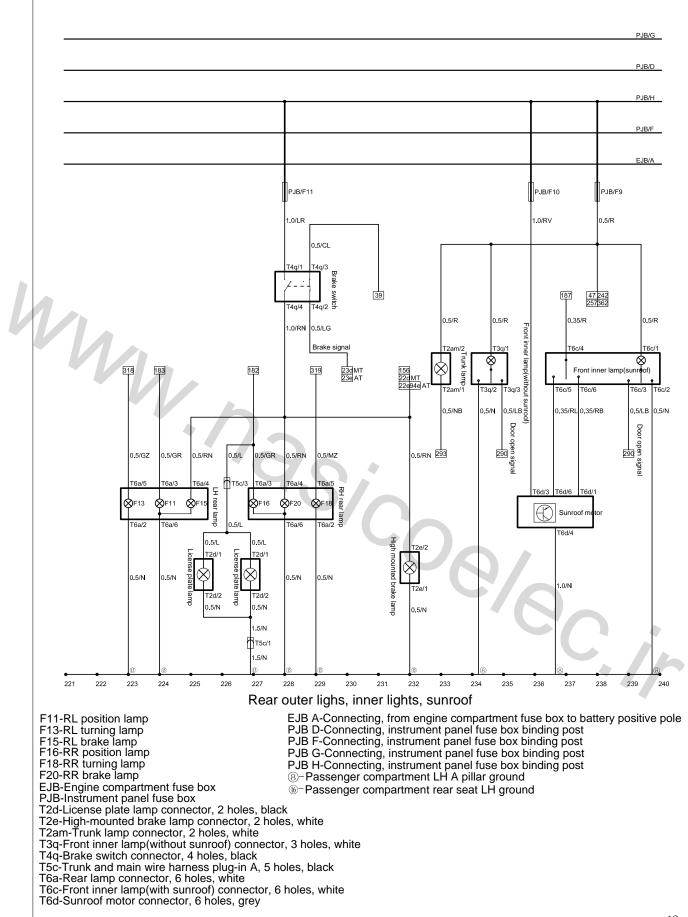
EJB A-Connecting, from engine compartment fuse box to battery positive pole

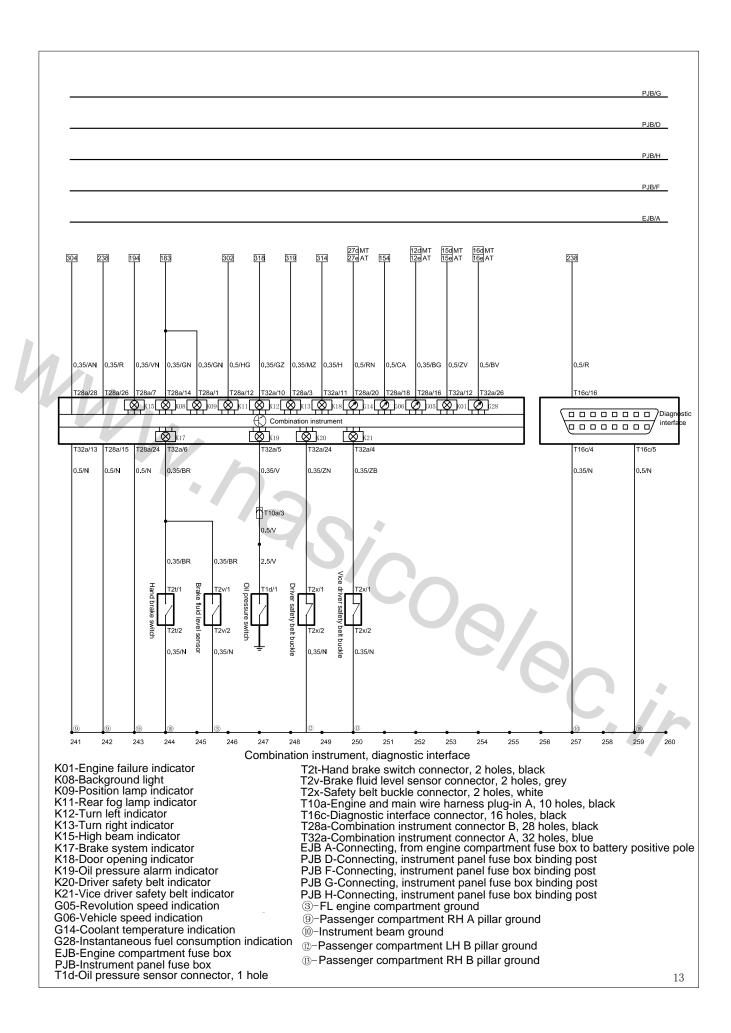
PJB D-Connecting, instrument panel fuse box binding post PJB F-Connecting, instrument panel fuse box binding post

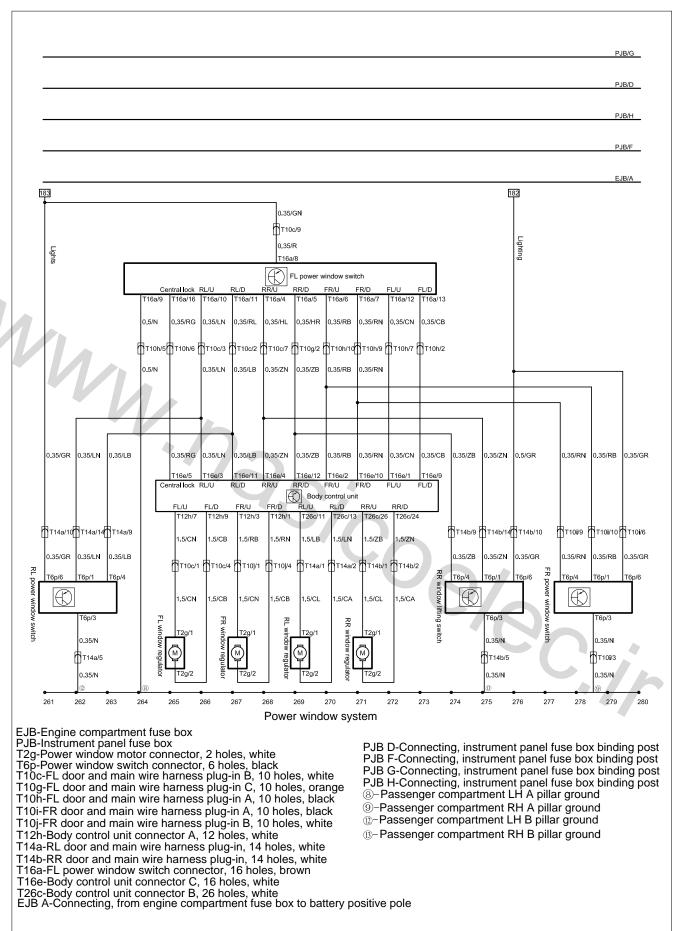
PJB G-Connecting, instrument panel fuse box binding post

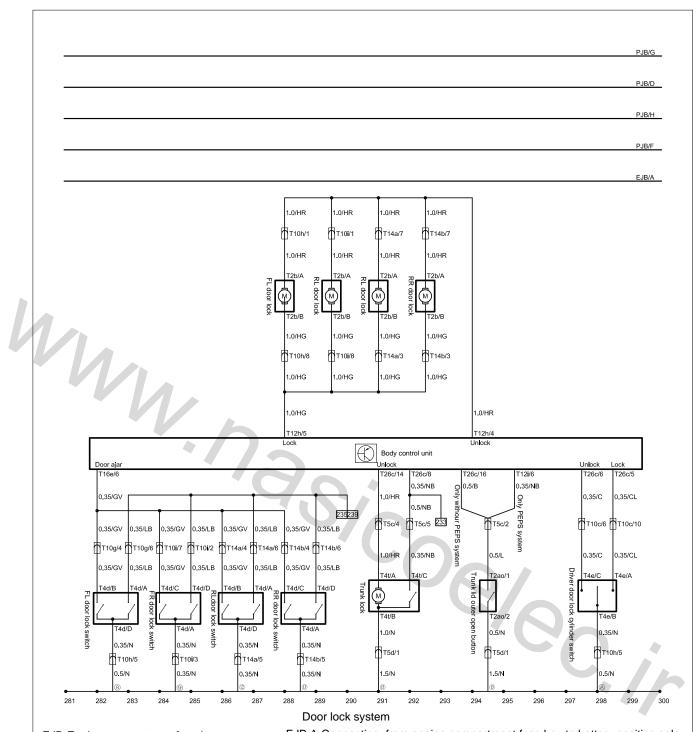
PJB H-Connecting, instrument panel fuse box binding post

- 3-LF engine compartment ground
- 4-RF engine compartment ground
- ®-Passenger compartment LH A pillar ground
- 9-Passenger compartment RH A pillar ground









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

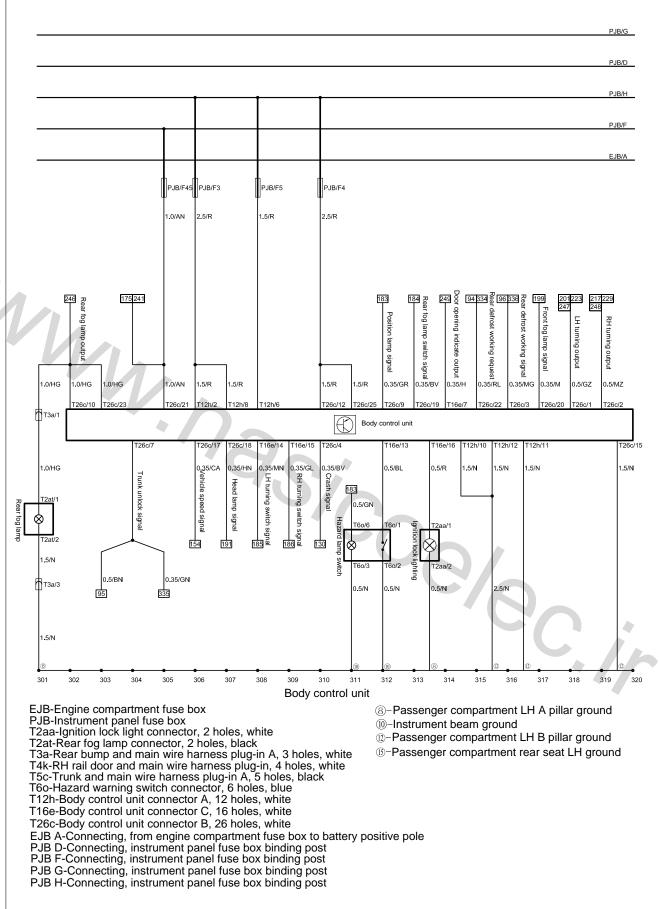
PJB H-Connecting, instrument panel fuse box binding post ®-Passenger compartment LH A pillar ground

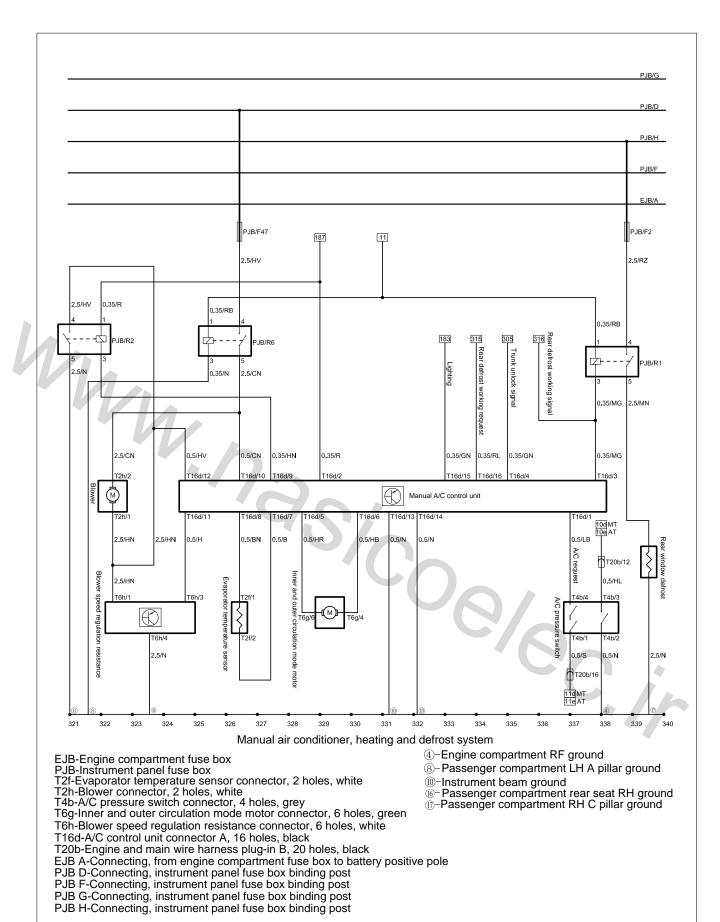
9-Passenger compartment RH A pillar ground

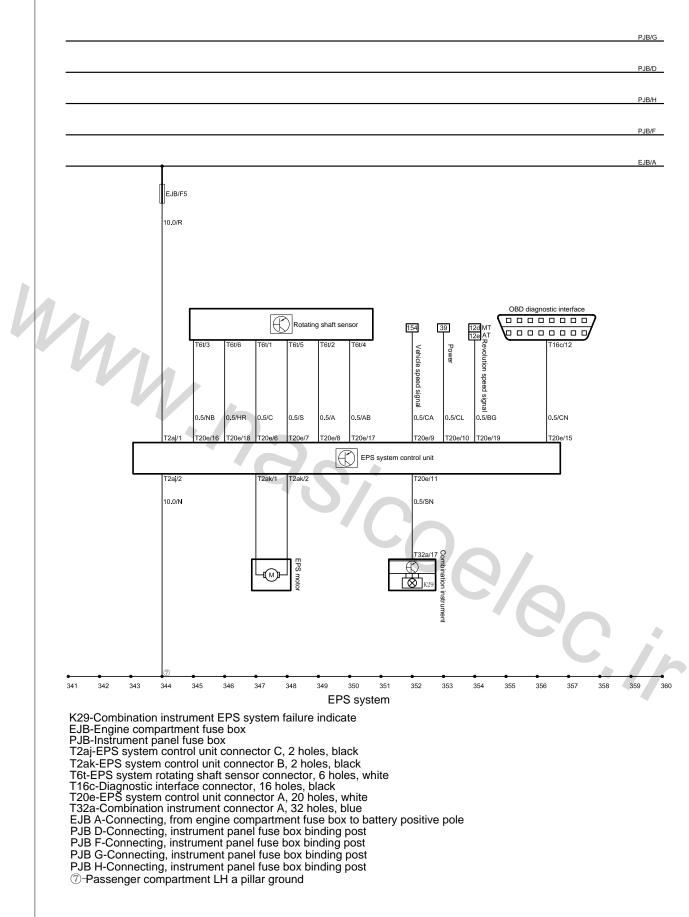
①-Passenger compartment LH B pillar ground

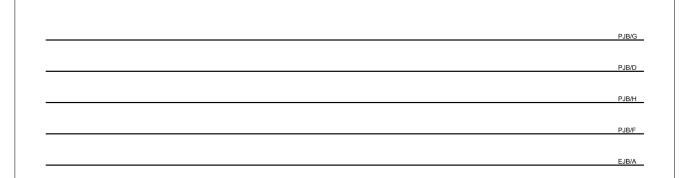
(3)-Passenger compartment RH B pillar ground

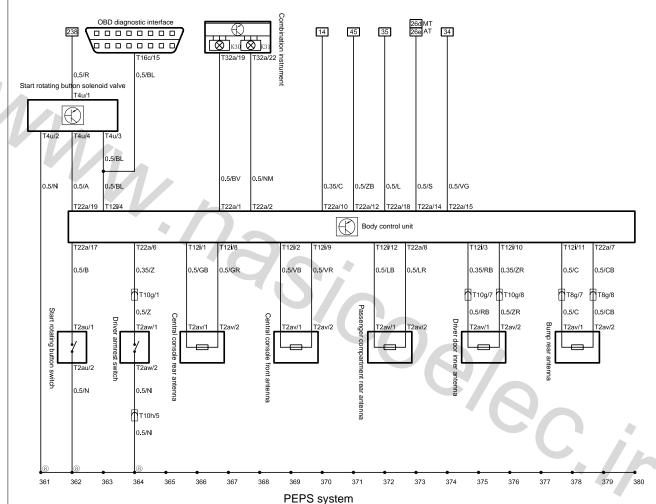
(§-Passenger compartment rear seat LH ground











K30-Combination instrument key matching right indicate K31-Combination instrument key matching wrong indicate

EJB-Engine compartment fuse box

PJB-Instrument panel fuse box

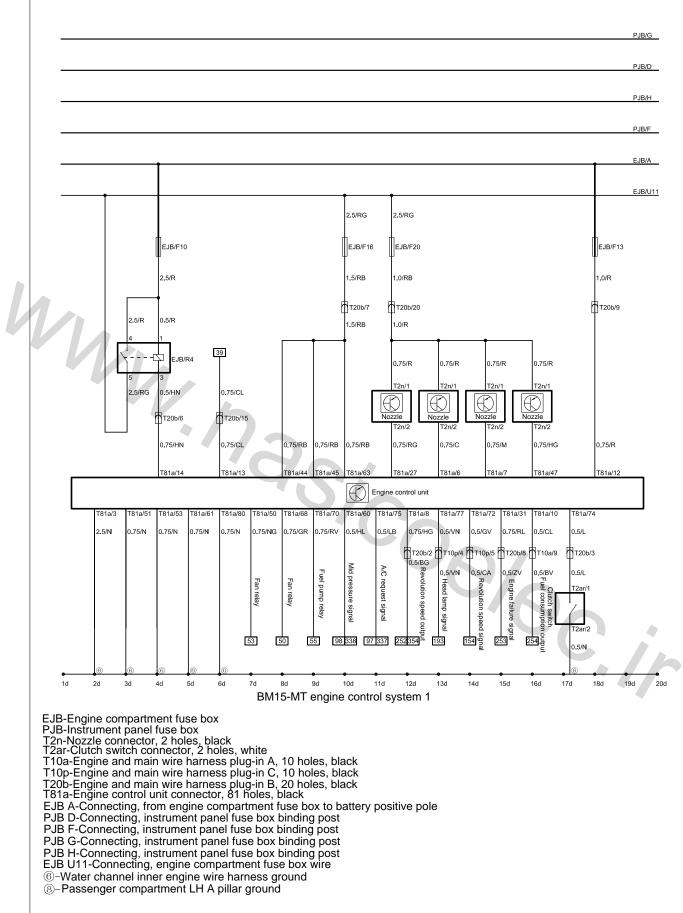
T2au-Start rotating button switch connector, 2 holes, white

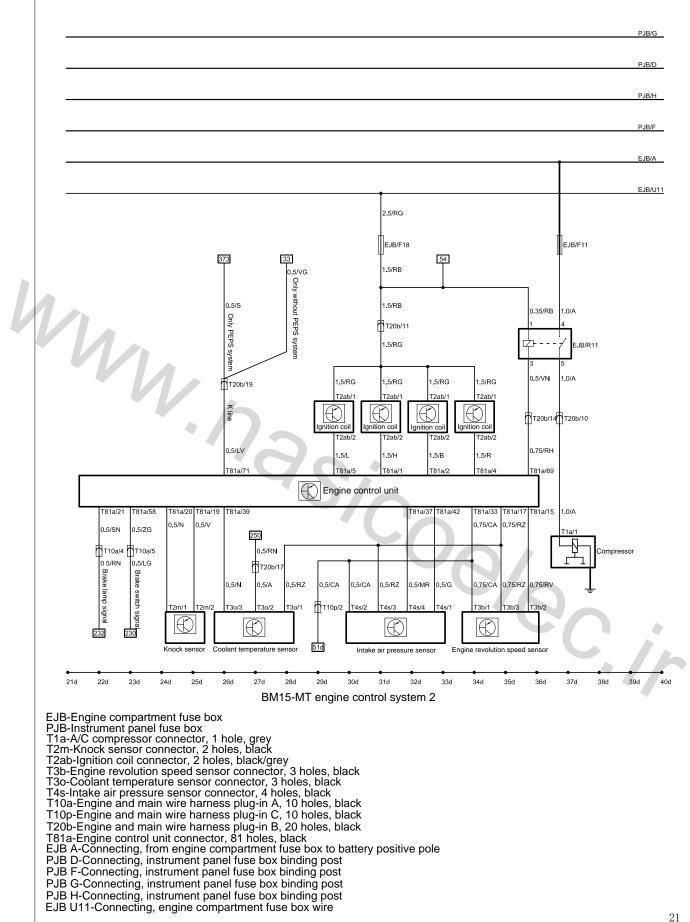
T2av-PEPS antenna connector, 2 holes, white T2aw-Driver door outer armrest switch connector, 2 holes, white

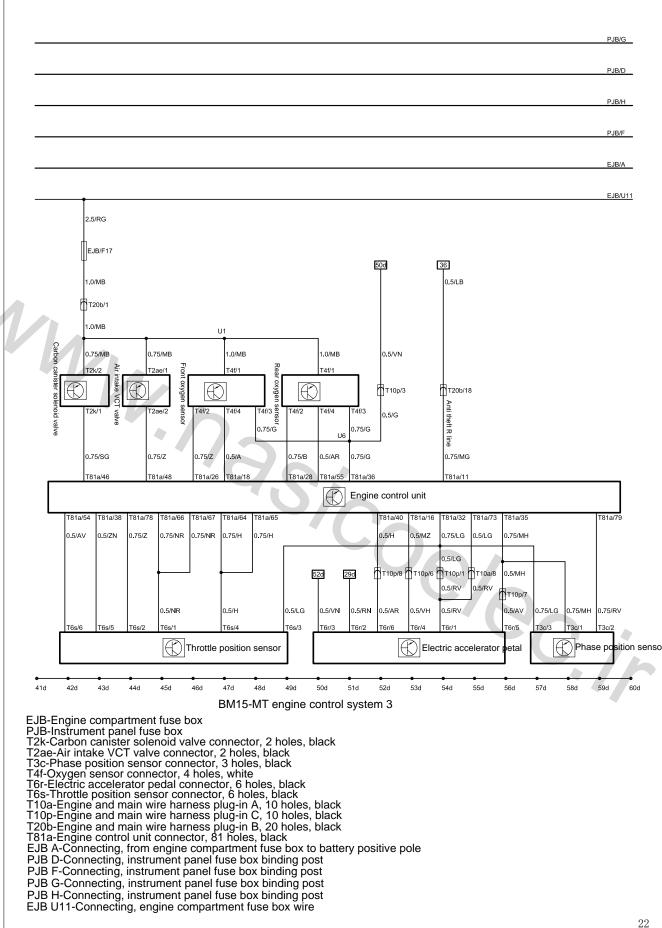
T4u-Start rotating button solenoid valve connector, 4 holes, white T8g-Rear bump and main wire harness plug-in B, 8 holes, white T10g-FL door and main wire harness plug-in C, 10 holes, orange T10h-FL door and main wire harness plug-in A, 10 holes, black T12i-Body control unit connector E, 12 holes, white

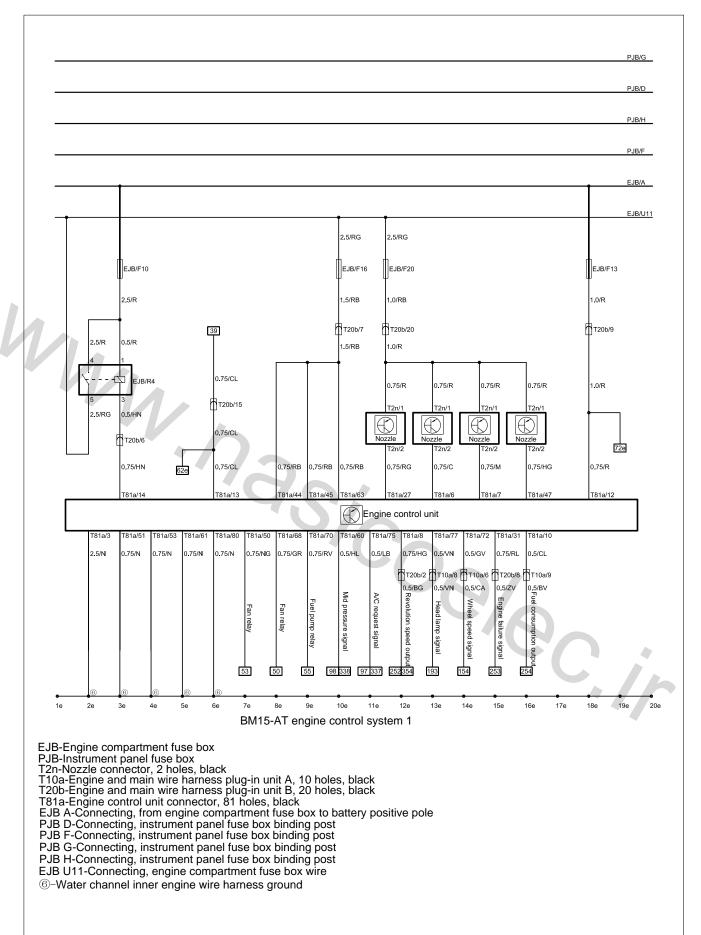
T16c-Diagnostic interface connector, 16 holes, black
T22a-Body control unit connector D, 22 holes, white
T32a-Combination instrument connector A, 32 holes, blue
EJB A-Connecting, from engine compartment fuse box to battery positive pole

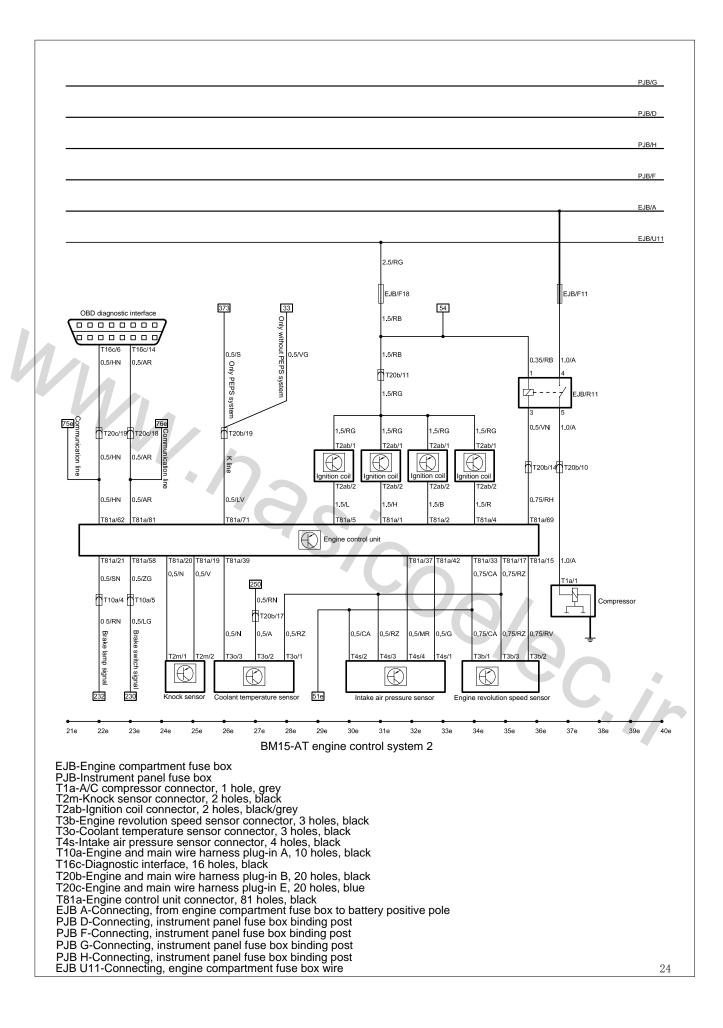
PJB D-Connecting, instrument panel fuse box binding post PJB F-Connecting, instrument panel fuse box binding post PJB G-Connecting, instrument panel fuse box binding post PJB H-Connecting, instrument panel fuse box binding post ®-Passenger compartment LH A pillar ground

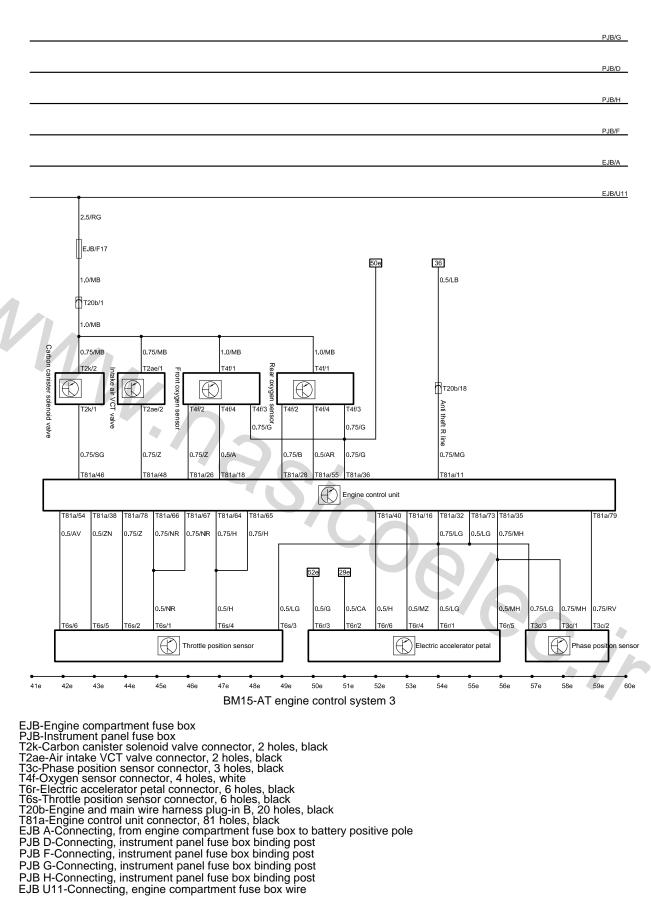


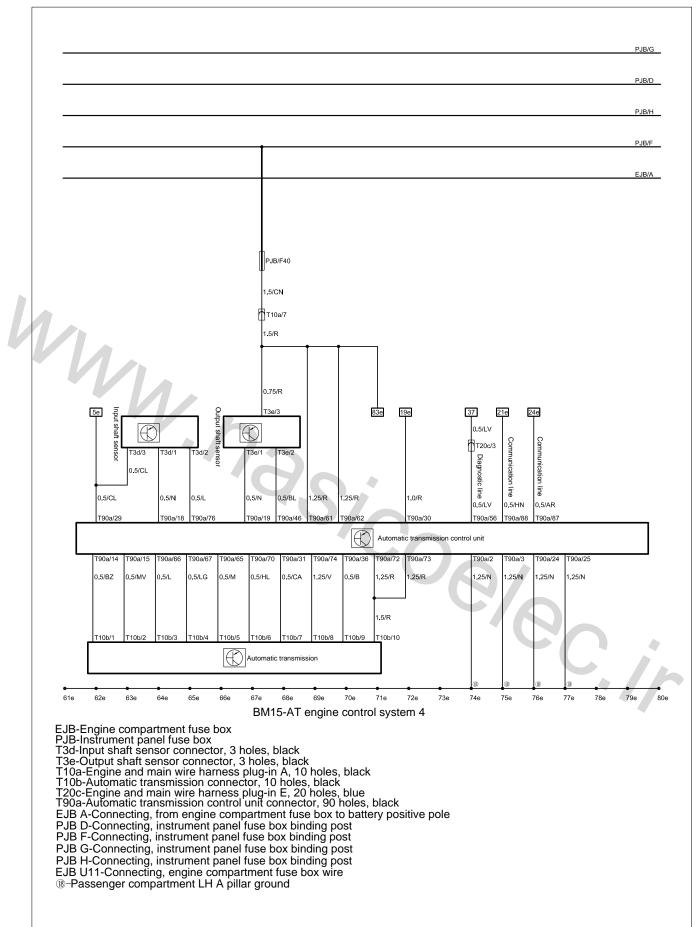


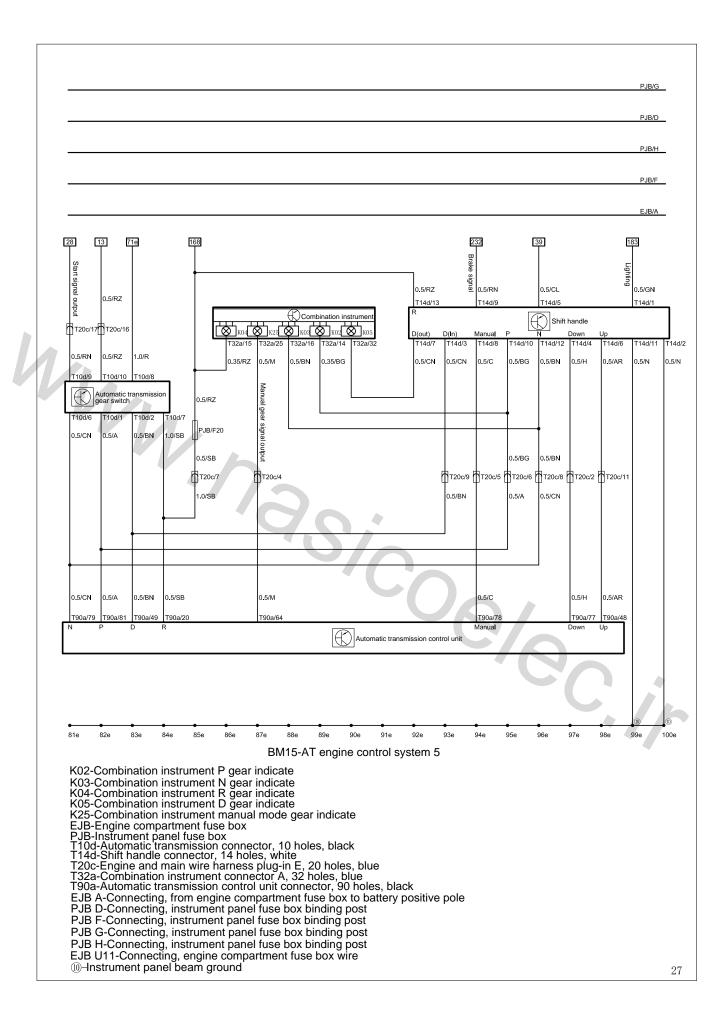












H330 Component Connector End Views



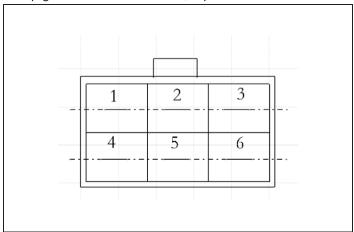
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Ignition switch

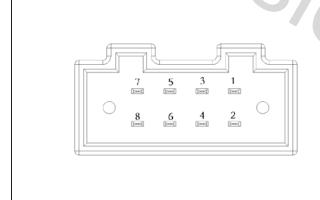
T6q-Ignition switch connector, 6 pins



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

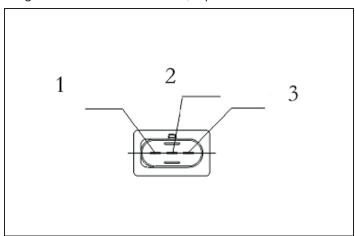


Pin	Wire	Function
1	0.5 RED	Power (BAT)
2	0.5 BLK	GND
3	N/A	N/A
4	0.5 ORN/BLU	Power (IG)
5	0.5 BLU/WHT	R line
6	N/A	N/A
7	0.5 BLU/GRN	Diagnostic line
8	0.5 BLU/YEL	K line

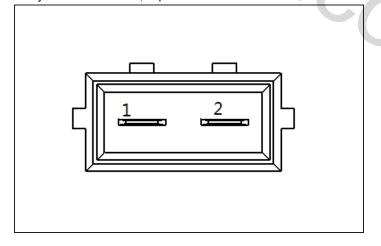


Condenser fan

T3g-Condenser fan connector, 3 pins



Pin 1	Wire 4.0 RED/BLK	Function Power (high speed)
2	4.0 RED	Power (low speed)
3	4.0 BLK	GND
Hor T2y-	Horn connector, 2 pins	725/0

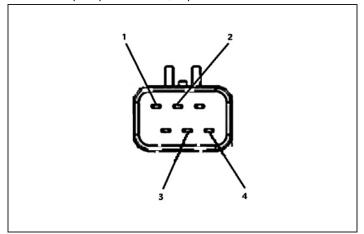


Pin	Wire	Function
1	1.5 BLK	GND
2	1.5 VLT	Power



Fuel pump

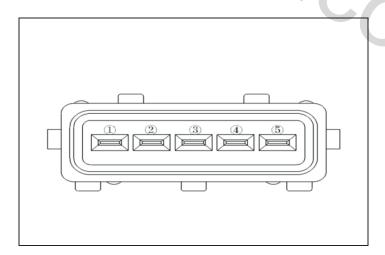
T6n-Fuel pump connector, 6 pins



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 (+)

Front windshield wiper motor

T5b-Front windshield wiper motor connector, 5 pins



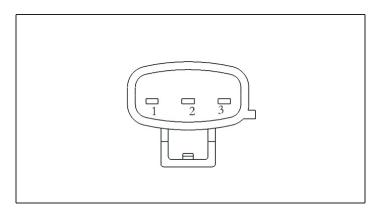
Pin	Wire	Function
1	1.0 YEL/BLU	High speed
2	1.0 GRN/YEL	Low speed
3	1.0 BLK	GND
4	1.0 GRA/YEL	Park switch signal
5	N/A	N/A





Washer fluid reservoir motor

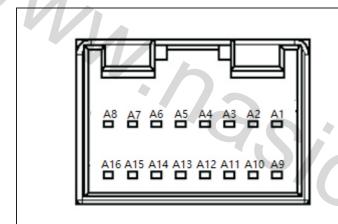
T3h-Washer fluid reservoir motor connector, 3 pins



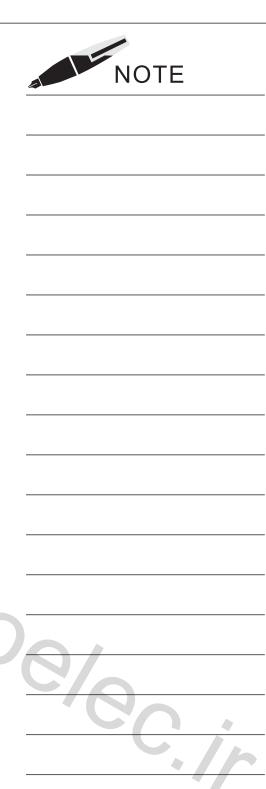
Pin	Wire	Function
1	0.5 ORN/BLU	Washing request signal
2	0.5 RED	Power (IG)
3	N/A	N/A

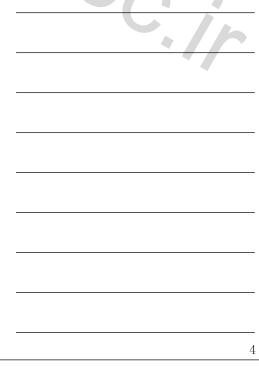
Automatic A/C control unit

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

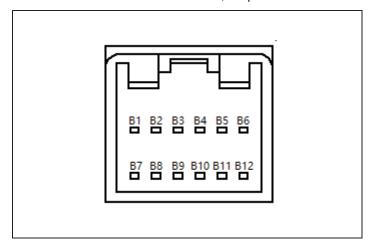


Wire	Function
0.35 BRN/YEL	Rear defroster feedback
0.5 YEL/BLU	Trunk unlock signal
0.5 BLK	Background light (-)
0.35 YEL/BLK	Background light (+)
0.5 BLU/WHT	A/C request
N/A	N/A
0.5 GRA/GRN	Blower speed feedback
0.35 RED	Power (IG)
0.35 GRA/BLK	Blower speed control (high
	speed)
N/A	N/A
0.5 GRA	Blower speed control
N/A	N/A
0.35 RED/BLU	Rear defroster request
0.5 BLK	GND
0.5 ORN/BLK	Blower power
N/A	N/A
	0.35 BRN/YEL 0.5 YEL/BLU 0.5 BLK 0.35 YEL/BLK 0.5 BLU/WHT N/A 0.5 GRA/GRN 0.35 RED 0.35 GRA/BLK N/A 0.5 GRA N/A 0.5 GRA 0.5 GRA N/A 0.5 GRA N/A 0.5 GRA N/A 0.5 GRA N/A





T12b-A/C control unit connector B, 12 pins

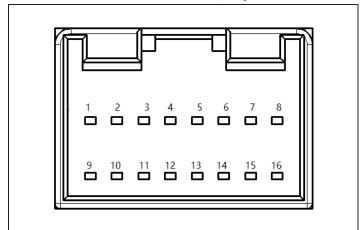


Pin	Wire	Function
B1	0.5 WHT/BLK	Evaporator temperature
ы	U.S WHI/BLK	sensor (+)
B2	0.5 BLK	Evaporator temperature
DZ.	U.5 BLK	sensor (-)
В3	0.5 GRA	Circular damper motor pin 1
B4	0.5 GRA/WHT	Circular damper motor pin 2
B5	0.5 WHT	Temperature damper motor
		pin 1
B6	0.5 RED/BLK	Temperature damper motor
D0		pin 2
B7	0.5 GRN/BLK	Mode damper motor pin 2
В8	0.5 GRN	Mode damper motor pin 1
B9	0.5 BRN	Damper potentiometer (5V
БЭ		reference)
B10	N/A	N/A
B11	0.5 YEL	Temperature damper
		position signal
B12	0.5 L-BLU	Mode damper position signal



Manual A/C control unit

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

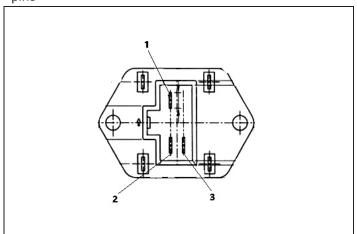


Pin	Wire	Function
1	0.5.14(1.7/0.17	Evaporator temperature
'	0.5 WHT/BLK	sensor (+)
2	0.5 WHT	Evaporator temperature
	0.5 WHT	sensor (-)
3	0.5 GRA/WHT	Circular damper motor pin 2
4	0.5 GRA/RED	Circular damper motor pin 1
5	N/A	N/A
6	0.35 BRN/YEL	Rear defroster feedback
7	0.35 RED	Power (IG)
8	0.5 BLU/WHT	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)



Blower speed regulation resistance

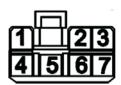
T6h-Blower speed regulation resistance connector, 6 pins



Pin	Wire	Function
1	0.5 GRA	Speed control signal input
2	2.5 GRA/BLK	Speed control
3	2.5 BLK	GND

Air outlet mode motor

T6f-Air outlet mode motor connector, 7 pins



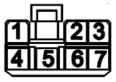
Pin	Wire	Function
1	0.5 BRN	5V (+)
2	0.5 BLK	GND
3	N/A	N/A
4	0.5 GRN	CW - (CCW +)
5	0.5 L-BLU	Position signal
6	0.5 GRN/BLK	CW + (CCW -)
7	N/A	N/A



Inner and outer circulation mode motor

T6g-Inner and outer circulation mode motor connector, 7 pins

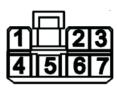




Pin	Wire	Function
1	N/A	N/A
2	N/A	N/A
3	N/A	N/A
4	0.5 GRA/WHT	CW - (CCW +)
5	N/A	N/A
6	0.5 GRA/WHT	CW + (CCW -)
7	N/A	N/A

Mixed air opening motor

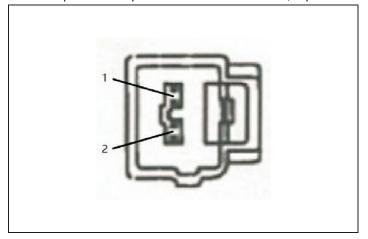
T6e-Mixed air opening motor connector, 7 pins



Pin	Wire	Function
1	0.5 BRN	5V (+)
2	0.5 BLK	GND
3	N/A	N/A
4	0.5 WHT	CW - (CCW +)
5	0.5 YEL	Position signal
6	0.5 RED/BLK	CW + (CCW -)
7	N/A	N/A

Evaporator temperature sensor

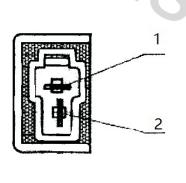
T2f-Evaporator temperature sensor connector, 2 pins



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

Blower

T2h-Blower connector, 2 pins

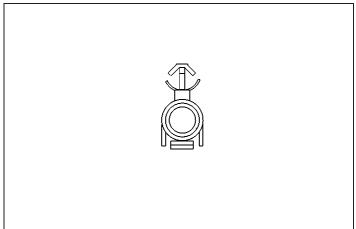


Pin	Wire	Function
1	2.5 ORN/BLK	Power
2	2.5 GRA/BLK	GND



Compressor

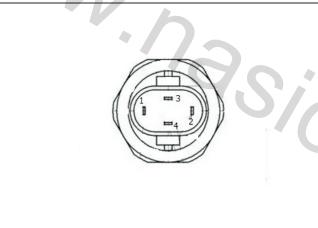
T1a-A/C compressor connector, 1 pin



Pin	Wire	Function
1	1.0 L-BLU	Compressor power supply

A/C pressure switch

T4b-A/C pressure switch connector, 4 pins

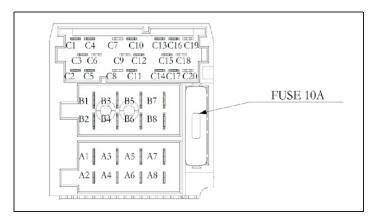


Pin	Wire	Function
1	0.5 BLK	GND
2	0.5 GRA/BLU	Medium pressure signal output (cooling fan speed control)
3	0.5 BLU/WHT	A/C request signal input
4	0.5 PNK	A/C request signal output



Radio

T8a-Radio connector A, 8 pins T8b-Radio connector B, 8 pins T20f-Radio connector C, 20 pins

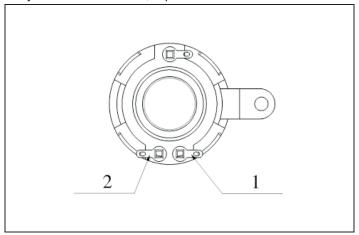


Pin	Wire	Function
A1	0.5 L-BLU/WHT	Steering wheel volume
Ai	0.5 L-BLO/ WHT	switch
A2	N/A	N/A
А3	0.5 RED/VLT	Reversing signal
A4	0.5 ORN	Power (IG)
A5	N/A	N/A
A6	0.5 YEL/RED	Background light power
A7	1.5 RED/YEL	Power (BAT)
A8	1.5 BLK	GND
B1	1.0 WHT/RED	RR speaker (+)
B2	1.0 BLU/RED	RR speaker (-)
В3	1.0 ORN/BLU	FR speaker (+)
В4	1.0 RED/BLK	FR speaker (-)
B5	1.0 RED/BLU	FL speaker (+)
В6	1.0 WHT/BLK	FL speaker (-)
В7	1.0 RED/WHT	RL speaker (+)
В8	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



Tweeter

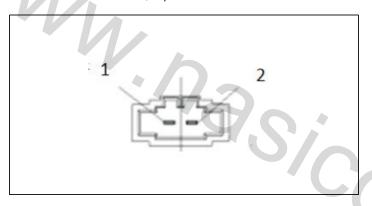
T2j-Tweeter connector, 2 pins



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

Woofer

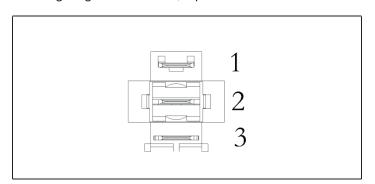
T2i-Woofer connector, 2 pins



Pin	Wire	Function
1	1.0 RED/BLU	Woofer (+)
2	1.0 WHT/BLK	Woofer (-)

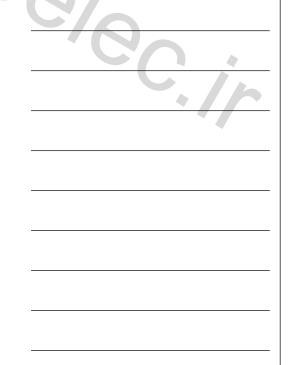
Cigar lighter

T3i-Cigar lighter connector, 3 pins



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

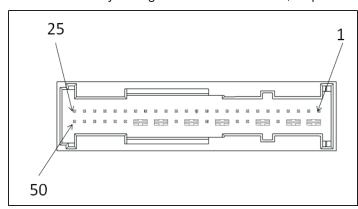


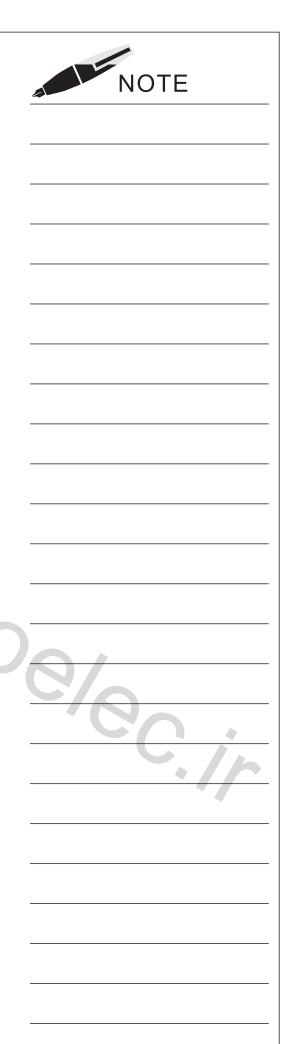


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Airbag control unit

T50a-Double way airbag control unit connector, 50 pins



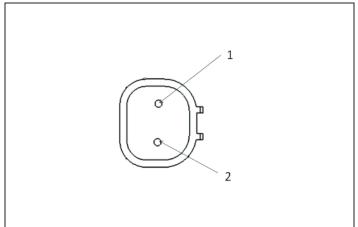


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Pin	Wire	Function
1	N/A	N/A
2	N/A	N/A
3	N/A	N/A
4	N/A	N/A
5	0.5 RED	Power (BAT)
6	0.5 BLK	GND
7	0.35 WHT/BLU	Airbag warning light
8	N/A	N/A
9	0.35 GRA	K line
10	0.5 BRN/WHT	Front driver airbag (+)
11	0.5 VLT	Front driver airbag (-)
12	N/A	N/A
13	N/A	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
i .	N/A	N/A
48	IN/A	,,, .
48 49	N/A	N/A

Driver safety belt buckle

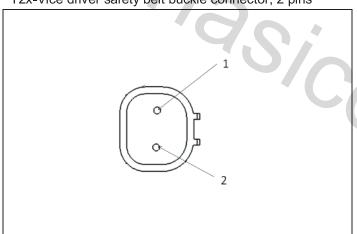
T2x-Driver safety belt buckle connector, 2 pins



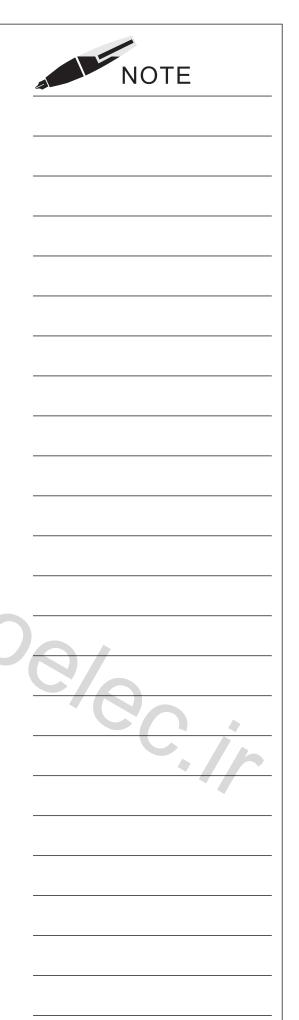
Pin	Wire	Function
1	0.35 VLT/BLK	Seatbelt reminder signal
2	0.35 BLK	GND

Vice driver safety belt buckle

T2x-Vice driver safety belt buckle connector, 2 pins

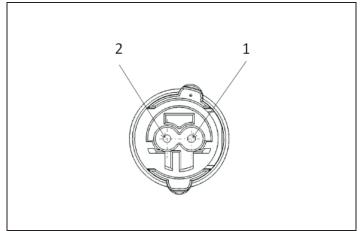


Pin	Wire	Function
1	0.35 VLT/WHT	Seatbelt reminder signal
2	0.35 BLK	GND



Driver Airbag

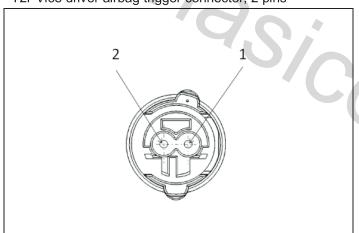
T4p-Driver airbag trigger connector, 2 pins



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 (-)

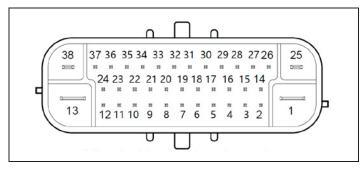


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ABS control unit

T38a-Brake system control unit connector, 38 pins

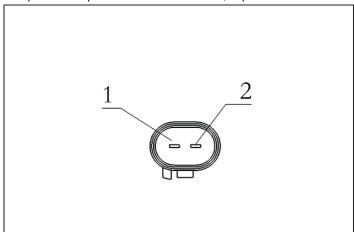


Pin	Wire	Function
1	4.0 RED	Motor (+)
2	0.35 ORN/L-BLU	Vehicle speed output
3	N/A	N/A
4	, N/A	N/A
5	N/A	N/A
6	0.35 WHT/GRN	K line
7	N/A	N/A
8	N/A	N/A
9	0.75 GRN	FL wheel speed sensor (+)
10	0.75 GRN	FR wheel speed sensor (+)
11	0.75 BRN	RL wheel speed sensor (+)
12	0.75 BRN	RR wheel speed sensor (+)
13	4.0 BLK	Motor (-)
14	N/A	N/A
15	0.5 RED/BLK	Brake signal input
16	N/A	N/A
17	0.35 WHT/VLT	Brake system failure indicator
18	0.5 L-BLU/GRN	Power (BAT)
19	N/A	N/A
20	N/A	N/A
21	0.75 BLK	FL wheel speed sensor (-)
22	0.75 BLK	FR wheel speed sensor (-)
23	0.75 BLK	RL wheel speed sensor (-)
24	0.75 BLK	RR wheel speed sensor (-)
25	4.0 RED/WHT	Power (IG)
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	N/A	N/A
35	N/A	N/A
36	N/A	N/A
37	N/A	N/A
38	4.0 BLK	GND



FL/FR wheel speed sensor

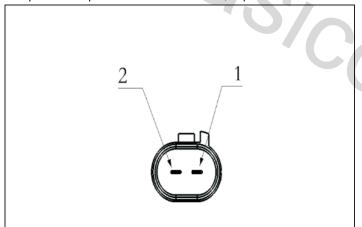
T2p-Wheel speed sensor connector, 2 pins



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

Rear wheel speed sensor

T2p-Wheel speed sensor connector, 2 pins



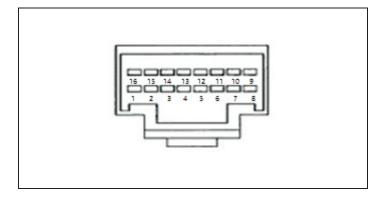
Pin	Wire	Function
1	0.75 GRN	Wheel speed sensor (+)
2	0.75 BLK	Wheel speed sensor (-)



1	7

Reversing radar control unit

T16g-Reversing radar control unit connector, 16 pins



Pin	Wire	Function
1	0.5 VLT	RL sensor signal
2	0.5 YEL	RM sensor signal
3	0.5 GRN	RR sensor signal
4	N/A	N/A
5	N/A	N/A
6	N/A	N/A
7	N/A	N/A
8	0.5 RED/VLT	Power
9	0.5 BLK	GND
10	N/A	N/A
11	0.5 BLU/WHT	Sensor (-)
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

Reversing radar sensor

T3r-Reversing radar sensor connector, 3 pins



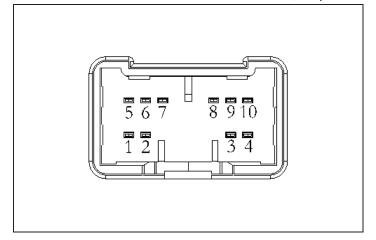
Pin	Wire	Function
	0.5 VLT	Sensor signal
1	0.5 YEL	
	0.5 GRN	
2	N/A	N/A
3	0.5 BLU/WHT	Sensor (-)



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Power rearview mirror switch

T10m-Power rearview mirror switch connector, 10 pins

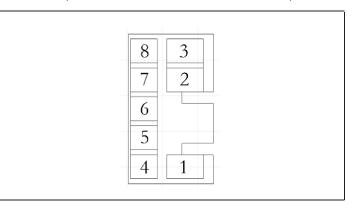


Pin	Wire	Function
4	0.5.0111/011/	LH outer rearview mirror
	0.5 BLU/BLK	up/down adjustment
2	N/A	N/A
3	N/A	N/A
4	N/A	N/A
5	O E VEL/DLV	LH outer rearview mirror
5	0.5 YEL/BLK	left/right adjustment
		Outer rearview mirror
6	0.5 RED	adjustment common
		terminal
7	0.5 BLU	RH outer rearview mirror
,	U.S BLU	up/down adjustment
8	0.5 YEL	RH outer rearview mirror
		left/right adjustment
9	0.5 L-BLU/BLK	Power (IG)
10	0.5 BLK	GND



LH outer power rearview mirror

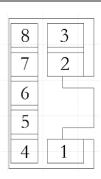
T8h-Outer power rearview mirror connector C, 8 pins



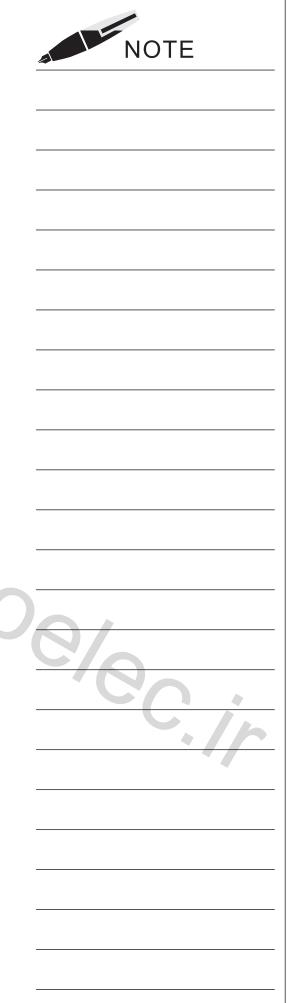
Pin	Wire	Function
		Outer rearview mirror
1	0.5 BLU/PNK	adjustment common
		terminal
2	0.5.7/17/050	FL electric rearview mirror
2	0.5 VLT/RED	(left/right)
	0.5 BLU/YEL	FL electric rearview mirror
3		(up/down)
4	0.5 YEL/VLT	Turning lamp power (IG)
5	0.5 BLK	Turning lamp GND
6	N/A	N/A
7	N/A	N/A
8	N/A	N/A

RH outer power rearview mirror

T8h-Outer power rearview mirror connector C, 8 pins



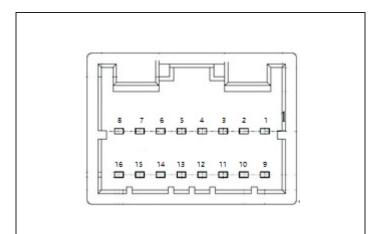
Pin	Wire	Function
		Outer rearview mirror
1	0.5 BLU/BLK	adjustment common
		terminal
2	0.5 BLU	FR Electric rearview mirror
		(left/right)
2	0.5 BLU/YEL	FR Electric rearview mirror
3		(up/down)
4	0.5 BRN/VLT	Turning lamp power
5	0.5 BLK	Turning lamp GND
6	N/A	N/A
7	N/A	N/A
8	N/A	N/A



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Lights combination switch

T16f-Lights combination switch connector, 16 pins

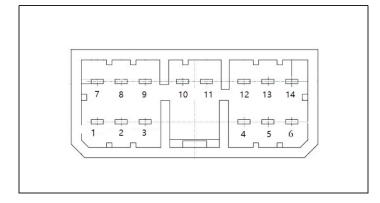


Pin	Wire	Function
1	0.35 YEL/BLU	Right turning lamp working
		request
2	0.35 RED	Power (IG)
3	0.35 BRN/BLK	Left turning lamp working
)	0.55 DINIY BEK	request
4	N/A	N/A
5	0.5 WHT/GRN	Lamp changing request
6	0.5 WHT/GRN	High beam lamp working
0	0.5 WIII/GKN	request
7	0.35 GRA/WHT	Low beam lamp working
,		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
13		request
14	0.5 BRN/VLT	Front fog lamp working
14		request
15	0.5 BLV	Position lamp working
15	0.5 BLK	request
16	0.3E CDV/DIV	High beam lamp working
16	0.35 GRA/BLK	feedback



Wiper switch

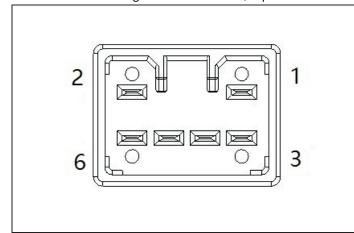
T14c-Wiper switch connector, 14 pins



Pin	Wire	Function
1	N/A	N/A
2	N/A	N/A
3	N/A	N/A
4	N/A	N/A
5	N/A	N/A
6	N/A	N/A
7	1.0 YEL	Power (BAT)
8	1.0 BLK	GND
9	1.0 YEL/GRN	Wiper high speed
10	1.0 PNK/YEL	Power (IG)
11	N/A	N/A
12	1.0 GRN/YEL	Wiper low speed
13	1.0 GRA/YEL	Park switch signal
14	1.0 ORN/BLU	Washer motor request

Hazard warning switch

T6o-Hazard warning switch connector, 6 pins



Pin	Wire	Function
1	0.5 WHT/BLU	Switch power from BMC
2	0.5 BLK	GND
3	0.5 BLK	GND
4	N/A	N/A
5	N/A	N/A
6	0.5 YEL/BLK	Background light power





Headlamp electric adjustment switch

T6v-Headlamp electric adjustment switch connector, 6 pins

3

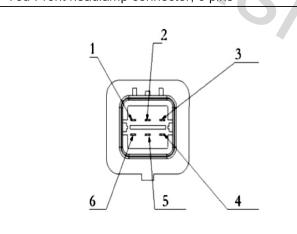
4



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
1	O E VEI	Headlamp electric
4	0.5 YEL	adjustment signal output
5	/A N	N/A
6	0.5 BLK	GND

Headlamp

T6u-Front headlamp connector, 6 pins

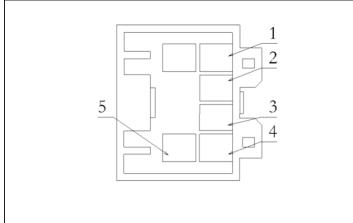


Pin	Wire	Function
1	1.5 BLK	High & low beam lamp (-)
2	1.0 GRN/GRA	High beam lamp (+)
3	1.0 BLK	Position & turning lamp (-)
1	0.5 YEL/VLT	Turning lamp (+)
4	0.5 BRN/VLT	
5	0.5 YEL/BLK	Position lamp (+)
)	0.5 YEL/RED	
6	1.0 GRA/BLK	Low beam lamp (+)



Rear lamp

T6a-Rear lamp connector, 5 pins

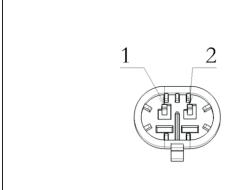


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3		

Pin	Wire	Function
1	0.5 YEL/BLK	Position lamp (+)
2	0.5 RED/BLK	Brake lamp (+)
3	0.5 YEL/VLT	Turning lamp (+)
3	0.5 BRN/VLT	
4	0.5 BLK	Rear position & brake lamp
4	U.5 BLK	(-)
5	0.5 BLK	Rear turning lamp (-)

Front fog lamp

T2z-Front fog lamp connector, 2 pins



Pin	Wire	Function
1	1.0 BRN	Power
2	1.0 BLK	GND

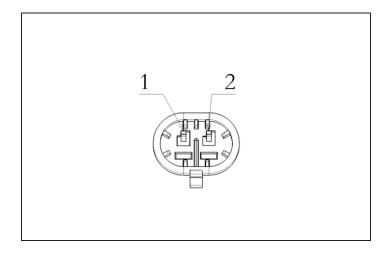


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Rear fog lamp

T2at-Rear fog lamp connector, 2 pins

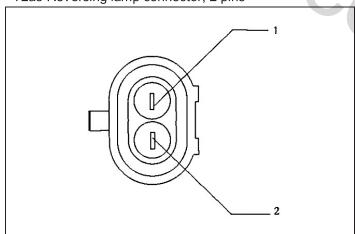




Pin	Wire	Function
1	0.5 GRA/YEL	Power
2	0.5 BLK	GND
Pou	versing lamp	725/

Reversing lamp

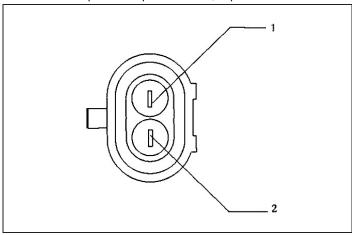
T2as-Reversing lamp connector, 2 pins



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

License plate lamp

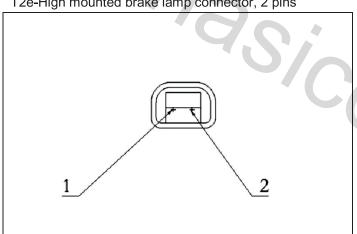
T2d-License plate lamp connector, 2 pins



Pin	Wire	Function
1	0.5 BLU	Power
2	0.5 BLK	GND

High mounted brake lamp

T2e-High mounted brake lamp connector, 2 pins

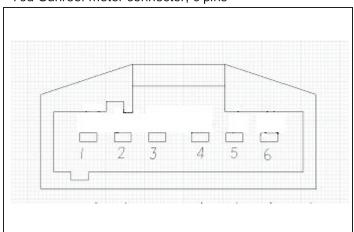


Pin	Wire	Function
1	0.5 RED/BLK	Power
2	0.5 BLK	GND

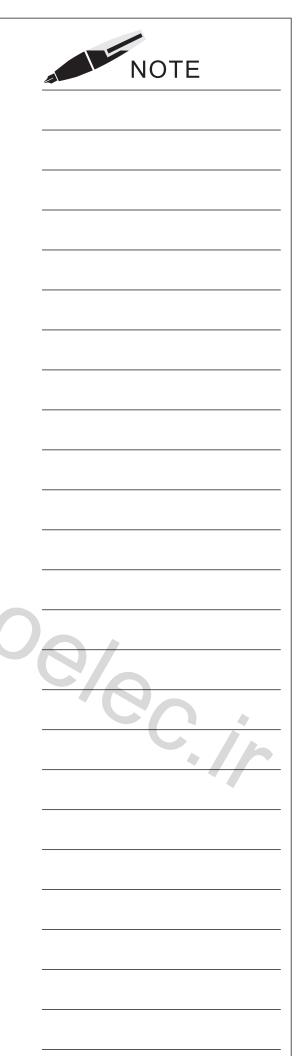


Sunroof motor

T6d-Sunroof motor connector, 6 pins



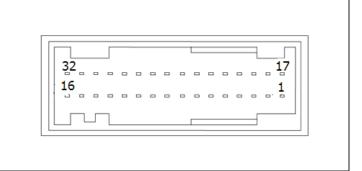
Pin	Wire	Function	
1	0.35 RED/WHT	Sunroof switch signal input	_
2	N/A	N/A	
3	1.0 RED/GEN	Power (BAT)	_
4	1.0 BLK	GND	
5	N/A	N/A	_
6	0.35 RED/BLU	Sunroof switch signal input	
		725/0	



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Combination instrument

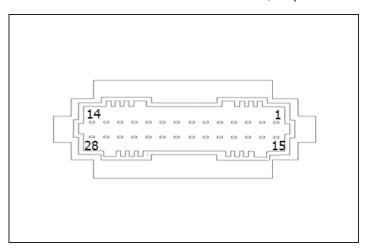
T32a-Combination instrument connector A, 32 pins

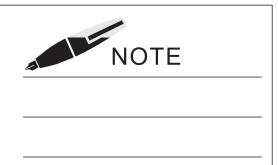


Pin	Wire	Function
1	0.35 WHT	Charging system indicator
2	0.35 WHT/VLT	ABS indicator
3	0.35 WHT/BLU	Airbag warning light
4	0.25.1/17/14/17	Passenger safety belt
4	0.35 VLT/WHT	reminder light
5	0.35 GRN	Oil pressure warning light
6	0.35 WHT/RED	Parking brake and brake
· ·	0.55 WITI/RED	system indicator
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
	0.55 VEI/BER	light
25	0.5 BRN	Manual mode indication
26	0.5 WHT/GRN	Instantaneous fuel
	0.5 WIII/ GIIIV	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



T28a-Combination instrument connector B, 28 pins



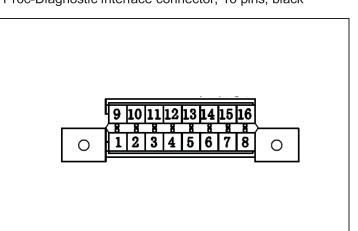


Pin	Wire	Function
1	0.35 YEL/BLK	Position lamp indicator
2	N/A	N/A
3	0.35 BRN/VLT	Turning right indicator
4	N/A	N/A
5	N/A	N/A
6	N/A	N/A
7	0.35 GRN/BLK	High beam indicator
8	N/A	N/A
9	N/A	N/A
10	N/A	N/A
11	N/A	N/A
12	0.5 GRA/YEL	Rear fog lamp indicator
13	N/A	N/A
14	0.35 YEL/BLK	Background light (+)
15	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)

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OBD diagnostic interface

T16c-Diagnostic interface connector, 16 pins, black

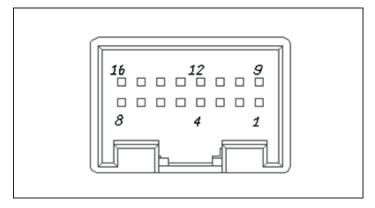


Pin	Wire	Function
1	0.35 WHT/GRN	ABS
2	0.5 BLU/YEL	K line
3	0.35 GRA	Airbag
4	0.35 BLK	GND
5	0.5 BLK	GND
6	0.5 GRA/BLK	CAN-High
7	0.5 BLU/GRN	W line
8	N/A	N/A
9	N/A	N/A
10	N/A	N/A
11	N/A	N/A
12	0.5 ORN/BLK	EPS
13	N/A	N/A
14	0.5 L-BLU/RED	CAN-Low
15	0.5 WHT/BLU	PEPS
16	0.5 RED	Power (BAT)



FL power window switch

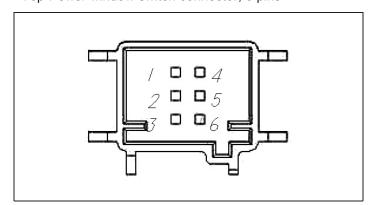
T16a-FL power window switch connector, 16 pins



Pin	Wire	Function
1	N/A	N/A
2	N/A	N/A
3	N/A	N/A
4	0.35 GRA/BLU	RR power window upward
5	0.35 GRA/RED	RR power window downward
6	0.35 RED/WHT	FR power window upward
7	0.35 RED/BLK	FR power window downward
8	0.35 RED	Background light power
0	0.35 KED	supply
9	0.5 BLK	GND
10	0.35 BLU/BLK	RL power window upward
11	0.35 RED/BLU	RL power window downward
12	0.35 ORN/BLK	FL power window upward
13	0.35 ORN/WHT	FL power window downward
14	N/A	N/A
15	N/A	N/A
16	0.35 RED/YEL	Central lock function

FR power window switch

T6p-Power window switch connector, 6 pins

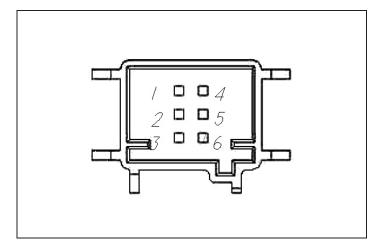


Pin	Wire	Function
1	0.35 RED/WHT	Upward
2	N/A	N/A
3	0.35 BLK	GND
4	0.35 RED/BLK	Downward
5	N/A	N/A
6	0.35 YEL/RED	Background light power supply



RL power window switch

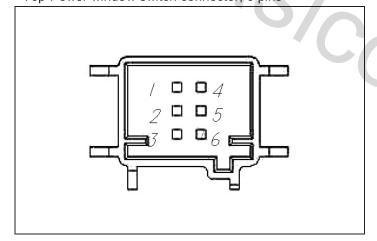
T6p-Power window switch connector, 6 pins, black



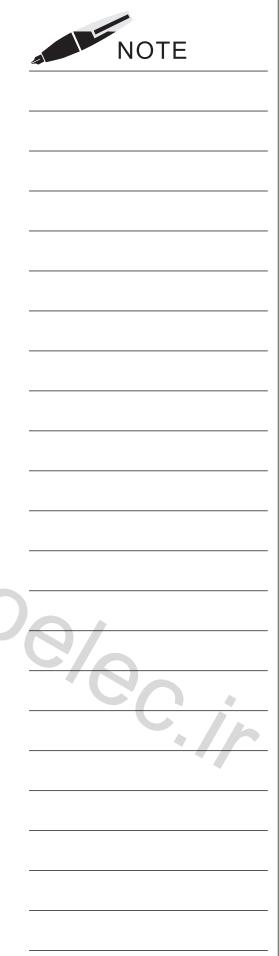
Pin	Wire	Function
1	0.35 VLT	Upward
2	N/A	N/A
3	0.35 BLK	GND
4	0.35 VLT/BLK	Downward
5	N/A	N/A
6	0.35 YEL/RED	Background light power supply

RR power window switch

T6p-Power window switch connector, 6 pins



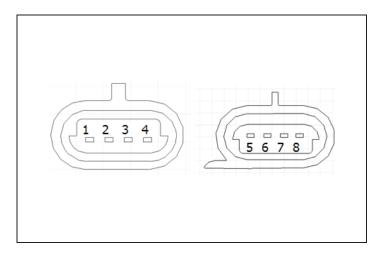
Pin	Wire	Function
1	0.35 VLT/BLK	Upward
2	N/A	N/A
3	0.35 BLK	GND
4	0.35 VLT/WHT	Downward
5	N/A	N/A
6	0.35 YEL/RED	Background light power supply



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

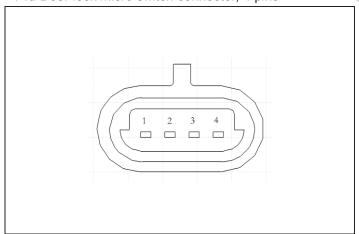




Pin	Wire	Function
1	0.35 BLU/WHT	Background light power supply
2	0.35 YEL/GRN	Signal output
3	N/A	N/A
4	0.35 BLK	GND
5	0.35 ORN/BLU	Lock
6	0.35 BLK	GND
7	0.35 ORN	Unlock
8	N/A	N/A

RL door lock switch

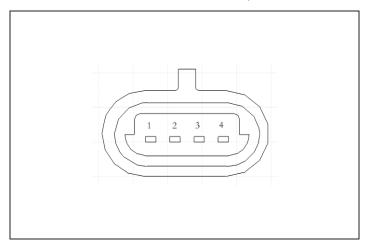
T4d-Door lock micro switch connector, 4 pins



Pin	Wire	Function
1	0.35 BLU/WHT	Background light power
1	0.33 BLO/ WHI	supply
2	0.35 YEL/GRN	Signal output
3	N/A	N/A
4	0.35 BLK	GND

RR door lock switch

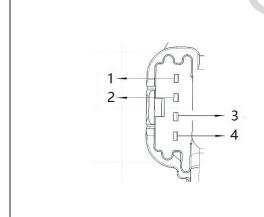
T4d-Door lock micro switch connector, 4 pins



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

Trunk lock motor

T4t-Trunk lock motor connector, 4 pins

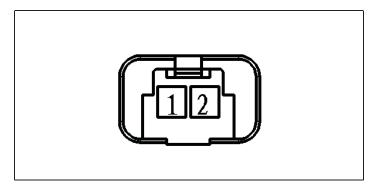


Pin	Wire	Function
1	1.0 GRA/RED	Power supply
2	1.0 BLK	GND
3	0.35 BLK/WHT	Trunk lamp
4	N/A	N/A



Trunk lid outer open button

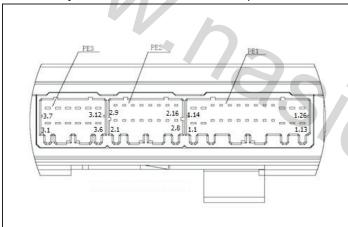
T2ao-Trunk lid outer open button connector, 2 pins



Pin	Wire	Function
1	0.5 BLU/BLK	Trunk lid micro switch signal
0.5 BLC	0.5 BLO/BLK	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

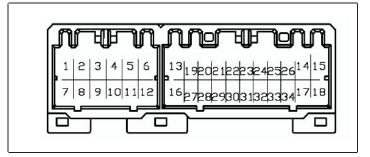


Pin	Wire	Function
1.1	0.5 YEL/VLT	Left turning lamp output
1.2	0.5 BRN/VLT	Right turning lamp output
1.3	0.35 BRN/YEL	Rear defroster output
1.4	0.35 WHT/GRN	Collision signal input
1.5	0.35 ORN/BLU	External lock signal
1.6	0.35 ORN	External unlock signal
1.7	0.35 YEL/BLU	Trunk lid unlock signal
1.8	0.35 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 E DIII/DIV	Rear left window down
	1.5 BLU/BLK	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
	-	Door open/close indicator
2.7	0.35 YEL/BLK	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
3.10	1.5 BLK	output GND
3.10	1.5 BLK	GND
3.11	1.5 BLK	
J. 12	T'O RFV	GND 35

PEPS

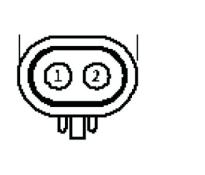
T12i-Body control unit connector E, 12 pins T22a-Body control unit connector D, 22 pins



Pin	Wire	Function
1	0.35 RED/GRN	Trunk lid outer open button
_ '	0.55 KED/ GKN	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
7	U.5 BLK	antenna (+)
8	0.5 GRY	Bump rear antenna (+)
9	0.5 BLK/BLU	Driver door inner antenna (-)
10	0.5 RED	Central console front
10	0.5 KLD	antenna (-)
11	0.5 ORN	Central console rear antenna
- 11	0.5 OKN	(-)
12	N/A	N/A
13	N/A	N/A
14	0.5 RED	Combination instrument LED
14	0.5 KLD	(red)
15	0.5 GRN	Combination instrument LED
13	0.5 GKN	(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

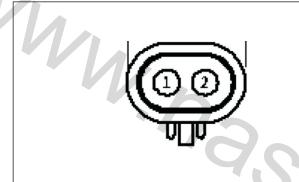


Trunk antenna



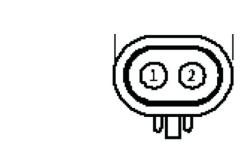
Pin	Wire	Function
1	0.5 PNK	Antenna (+)
2	0.5 BLU	Antenna (-)

Rear seat antenna



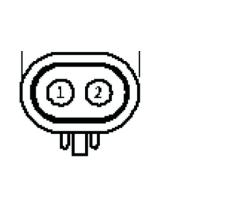
Pin	Wire	Function
1	0.5 RED	Antenna (+)
2	0.5 BLK/WHT	Antenna (-)

Front left door antenna



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

Front left door handle switch



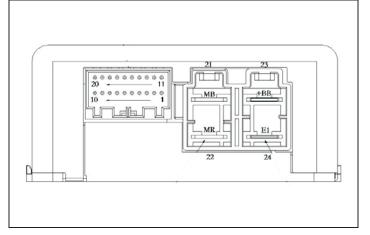
	Pin	Wire	Function	
	1	0.5 RED/BLU	Front left door handleswitch	_
	_	U.5 RED/BLU	(+)	
	2	0.5 BLK	GND	_
			735/6	



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	14 0.5 BLU/GRN Rotating shaft sensor tork 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	

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- C./h
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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	
		Engine revolution speed	
8	0.75 GRA/YEL	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	
		Engine revolution speed	
15	0.75 YEL/GRN	sensor signal	
	_	Accelerator pedal sensor	
16	0.5 BRN/VLT	signal	
17	0.75 WHT/BRN	Sensor GND 1	
40	0.5 L-BLU	Upstream oxygen sensor	
18		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 VIT/CDN	Upstream oxygen sensor	
26	0.75 VLT/GRN	heating control	
27	0.75 RED/YEL	Injector 1 control	
20	0.75 WHT	Downstream oxygen sensor	
28	0.75 WHI	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	
	00	0.5.417/014	Throttle position sensor 2	
	38	0.5 VLT/BLK	signal	
		9 0.5 BLK	Engine coolant temperature	
	39		sensor signal	
			Accelerator pedal sensor	
	40	0.5 GRA/GRN	signal	
	41	N/A	N/A	
			Intake air temperature	
	42	0.5 GRN/VLT	sensor signal input	
-	43	N/A	N/A	
1	44	0.75 RED/WHT	Power (main relay)	
-	45	0.75 RED/WHT	Power (main relay)	
	4.0		Carbon canister solenoid	
-	46	0.75 PNK/YEL	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	
			Throttle position sensor 1	
	54	0.5 L-BLU/GRN	signal	
	55		Downstream oxygen sensor	
		0.5 L-BLU/RED	signal	
1	56	N/A	N/A	
	57	, N/A	N/A	
	58	0.5 VLT/YEL	Brake switch signal input	
	59	N/A	N/A	
			A/C medium pressure switch	
	60	0.5 GRA/BLU	signal input	
	61	0.75 BLK	GND	
1	62	N/A	N/A	
-	63	0.75 RED/WHT	Power (main relay)	
1	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	
$\mid \mid$	68	0.75 YEL/BLK	Fan relay (high speed) control	
$\mid \mid$	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	
			Headlamp working signal	
	77	0.5 GRN/WHT	input	
	78	0.75 VLT	Sensor GND 4	
	79	0.75 RED/GRN	Phase sensor signal	
	80	0.75 BLK	GND	
1	81	N/A	N/A 40	
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Engine control unit (AT)

T81a-Engine control unit connector, 81 pins

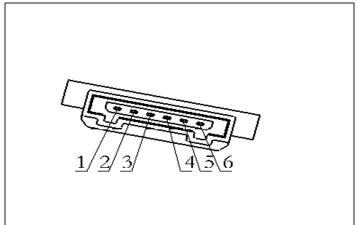


į	Pin	Wire	Function			
ſ	1	1.5 GRA	Ignition coil 2 control			
ſ	2	1.5 WHT	Ignition coil 3 control			
Ī	3	2.5 BLK	GND			
ſ	4	1.5 RED	Ignition coil 4 control			
Ī	5	1.5 BLU	Ignition coil 1 control			
Ī	6	0.75 ORN	Injector 2 control			
Ī	7	0.75 BRN	Injector 3 control			
	8	0.75 GRA/YEL	Revolution speed output			
	9	N/A	N/A			
	10	0.5 ORN/BLU	Fuel consumption output			
ſ	11	0.75 BRN/YEL	R line			
	12	0.75 RED	Power (BAT)			
l	13	0.75 ORN/BLU	Power (IG)			
	14	0.75 GRA/BLK	Main relay control			
	15	0.75 RED/GRN	Engine revolution speed			
	13	0.75 KED/GKN	sensor signal			
	16	0.5 BRN/VLT	Accelerator pedal sensor			
l	10	O.S BINNY VET	signal			
ļ	17	0.75 RED/VLT	Sensor GND 1			
	18	0.5 L-BLU	Upstream oxygen sensor			
ļ		0.5 L DLO	signal			
ļ	19	0.5 GRN	Knock sensor signal			
ļ	20	0.5 BLK	Knock sensor signal			
ļ	21	0.5 PNK/BLK	Brake light signal input			
ļ	22	N/A	N/A			
ļ	23	N/A	N/A			
ļ	24	N/A	N/A			
ļ	25	N/A	N/A			
	26	0.75 VLT	Upstream oxygen sensor			
ļ			heating control			
ļ	27	0.75 RED/YEL	Injector 1 control			
	28	0.75 WHT	Downstream oxygen sensor			
-			heating			
-	29	N/A	N/A			
F	30	N/A	N/A			
	31	0.75 RED/BLU	Malfunction indicator light			
ŀ	00	0.75.811.6/51	control			
F	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	
30	0.5 VEI/BEK	signal	
39	0.5 BLK	Engine coolant temperature	
	0.5 BER	sensor signal	
40	0.5 GRA	Accelerator pedal sensor	
	0.5 0107	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	
>/	.,,,,	A/C medium pressure switch	
60	0.5 GRA/BLU	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 41	
	-		

Electric accelerator pedal

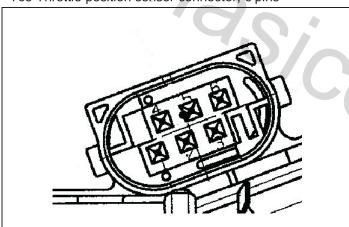
T6r-Electric accelerator pedal connector, 6 pins



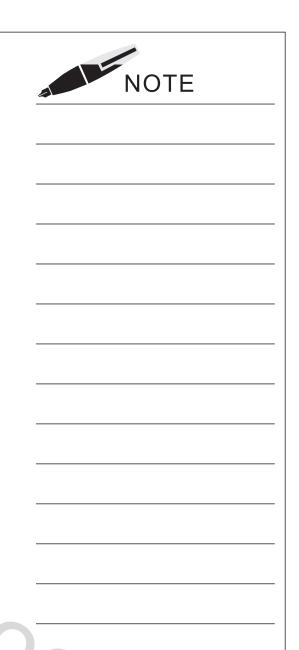
Pin	Wire	Function	
1	0.75 BLU/YEL	APP sensor power supply 2	
2	0.5 RED/BLK	APP sensor power supply 1	
3	0.5 GRN/BLK	Low reference 1	
4	0.5 GRN/GRA	APP sensor output 1	
5	0.5 L-BLU/GRN	Low reference 2	
6	0.5 L-BLU/RED	APP sensor output 2	

Throttle position sensor

T6s-Throttle position sensor connector, 6 pins

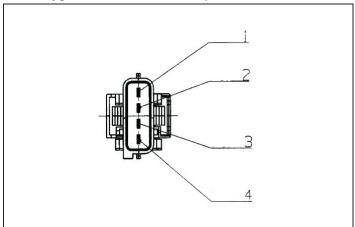


	Pin	Wire	Function	
	1	0.5 BLK/RED	Motor control 2	
	2	0.75 VLT Sensor GND		
	3	0.5 BLU/YEL	Sensor power supply	
	4	0.5 GRA	Motor control 1	
	5	0.5 VLT/BLK	Signal output 2	
	6	0.5 L-BLU/GRN	Signal output 1	
-				



Front oxygen sensor

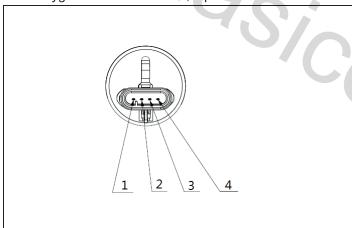
T4f-Oxygen sensor connector, 4 pins



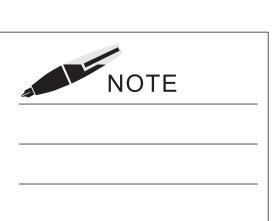
		Pin	n Wire Function		
		1	1.0 BRN/WHT	Heater (+)	
		2	0.75 VLT/GRN	Heater (-)	
	1	3	0.75 YEL	Low reference	
		4	0.5 L-BLU	Sensor signal out	
		Rea	ar oxygen sensor	5	

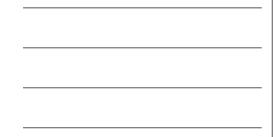
Rear oxygen sensor

T4f-Oxygen sensor connector, 4 pins



Pin	Wire	Function	
1	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 (+)	





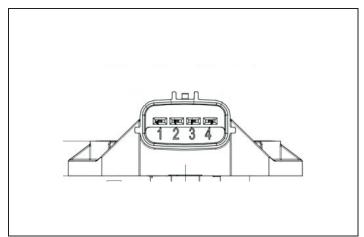




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Intake air pressure sensor

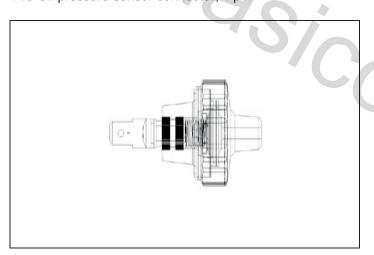
T4s-Intake air pressure sensor connector, 4 pins



Pin	Wire	Function
1	0.5 GRN/VLT	Temperature signal output
2	0.5 ORN/WHT	Power supply
3	0.5 WHT/BRN	Low reference
4	0.5 BRN/RED	Pressure signal output

Oil pressure switch

T1d-Oil pressure sensor connector, 1 pin

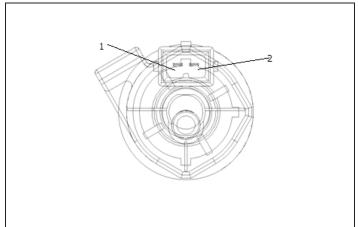


Pin	Wire	Function
1	2.5 GRN	Power supply



Carbon canister valve

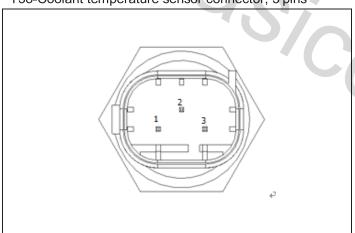
T2k-Carbon canister solenoid valve connector, 2 pins



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

Coolant temperature sensor

T3o-Coolant temperature sensor connector, 3 pins

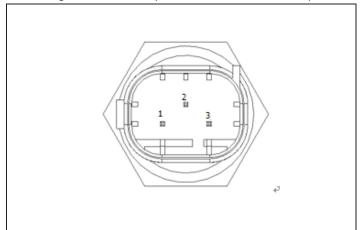


Pin	Wire	Function
1	0.5 BLK	ECU signal
2	0.5 L-BLU	IPC signal
3	0.5 WHT/BRN	Low reference



Engine revolution speed sensor

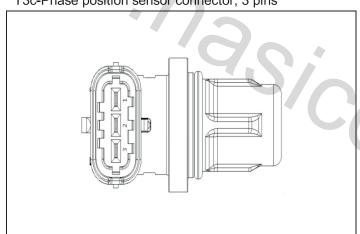
T3b-Engine revolution speed sensor connector, 3 pins



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

Phase position sensor

T3c-Phase position sensor connector, 3 pins

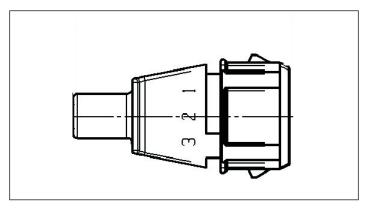


Pin	Wire	Function
1	0.75 BLU/YEL	Power supply
2	0.75 RED/GRN	Signal output
3	0.75 BLU/BLK	Low reference



Knock sensor

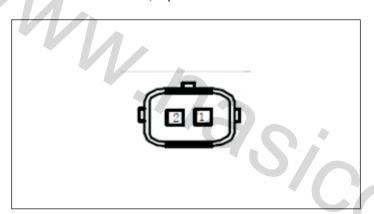
T2m-Knock sensor connector, 3 pins



Pin	Wire	Function
1	0.5 BLK	Sensor signal
2	0.5 GRN	Sensor signal
3	N/A	N/A

Nozzle (cylinder 1)

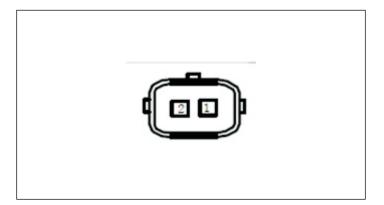
T2n-Nozzle connector, 2 pins



Pin	Wire	Function
1	0.75 RED	Power supply
2	0.75 RED/YEL	Injector control

Nozzle (cylinder 2)

T2n-Nozzle connector, 2 pins

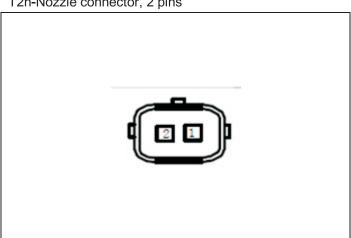


Pin	Wire	Function
1	0.75 RED	Power supply
2	0.75 ORN	Injector control



Nozzle ((cylinder	3)
1102210		\sim $_{I}$

T2n-Nozzle connector, 2 pins



Pin	Wire	Function
1	0.75 RED	Power supply
2	0.75 BRN	Injector control

Nozzle (cylinder 4)

T2n-Nozzle connector, 2 pins



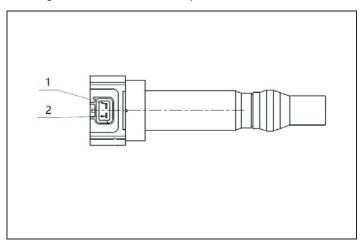
Pin	Wire	Function
1	0.75 RED	Power supply
2	0.75 WHT/BLK	Injector control



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Ignition coil (cylinder 1)

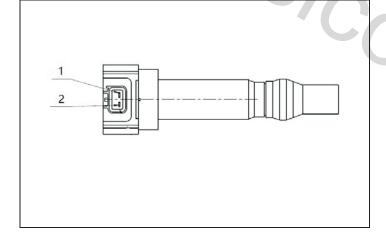
T2ab-Ignition coil connector, 2 pins



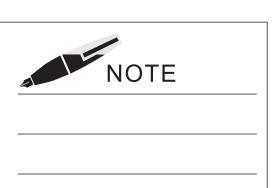
1	Pin	Wire	Function
A	1	1.5 RED/YEL	IC control
	2	1.5 GRA/RED	Power supply
		W./	72

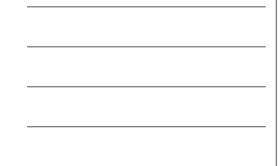
Ignition coil (cylinder 2)

T2ab-Ignition coil connector, 2 pins

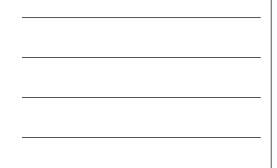


Pin	Wire	Function
1	1.5 GRN/WHT	IC control
2	1.5 GRA/RED	Power supply



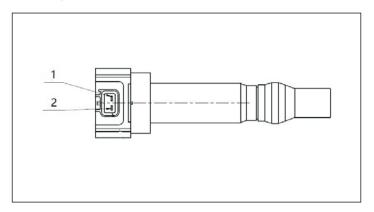






Ignition coil (cylinder 3)

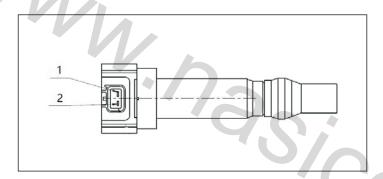
T2ab-Ignition coil connector, 2 pins



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

Ignition coil (cylinder 4)

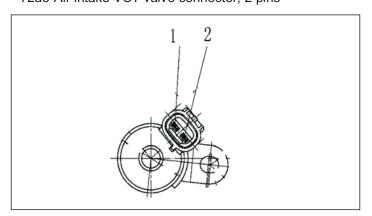
T2ab-Ignition coil connector, 2 pins



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

Air intake VCT valve

T2ae-Air intake VCT valve connector, 2 pins



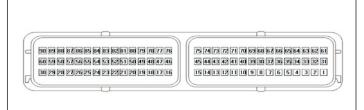
Pin	Wire	Function
1	0.75 WHT/VLT	Air intake VCT valve control
2	0.75 BRN/WHT	Power supply



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4F16 TCU

T90a-Automatic transmission control unit connector, 90 pins

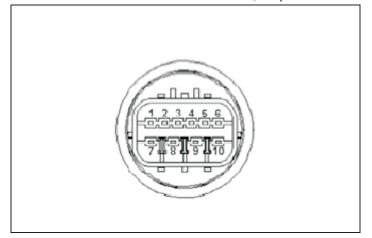


Pin	Wire	Function
1	N/A	N/A
2	1.25 BLK	GND
3	1.25 BLK	GND
4	N/A	N/A
5	N/A	N/A
6	N/A	N/A
7	N/A	N/A
8	N/A	N/A
9	N/A	N/A
10	N/A	N/A
11	N/A	N/A
12	N/A	N/A
13	N/A	N/A
14	0.5 WHT/VLT	Oil temperature sensor (-)
15	0.5 BRN/GRN	Oil temperature sensor (+)
16	N/A	N/A
17	N/A	N/A
18	0.5 BLK	Input shaft sensor GND
19	0.5 BLK	Output shaft sensor signal
13	0.5 BEK	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
	,	Battery voltage for HSD
61	1.25 RED	power
		Battery voltage for HSD
62	1.25 RED	power
63	N/A	N/A
	·	Manual mode gear indicate
64	0.5 BRN	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
		Battery voltage after HSD for
72	1.25 RED	solenoids power supply
		Battery voltage after HSD for
73	1.25 RED	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 51
	1.77.	1, 01

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
_ ′	1.5 KED	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

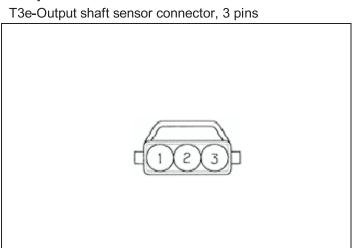
T3d-Input shaft sensor connector, 3 pins



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



Output shaft sensor



		23
Pin	Wire	Function

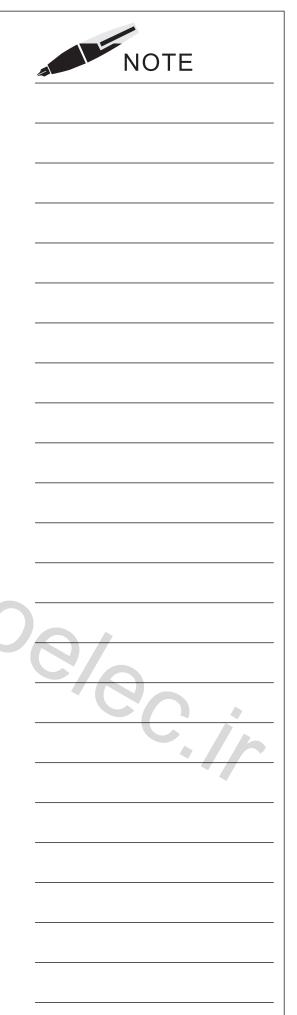
Pin	Wire	Function
1	0.5 BLK	GND
2	0.5 WHT/BLU	Output shaft sensor signal
3	0.75 RED	Power (IG)

Automatic transmission gear switch

T10d-Automatic transmission connector, 10 pins

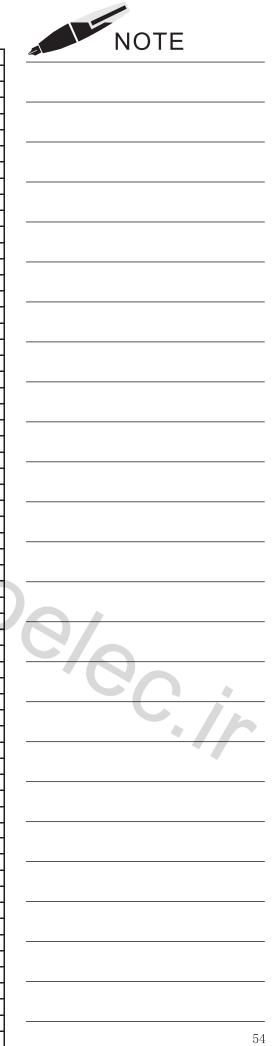


Pin	Wire	Function
1	0.5 L-BLU	P gear signal
2	0.5 WHT/BLK	D gear signal
3	N/A	N/A
4	N/A	N/A
5	N/A	N/A
6	0.5 ORN/BLK	N gear signal
7	1.0 PNK/WHT	R gear signal
8	1.0 RED	Power (IG)
9	0.5 RED/BLK	Start signal output
10	0.5 RED/VLT	Start signal input



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
	DCCV	
41		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	Р	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
		<u> </u>



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