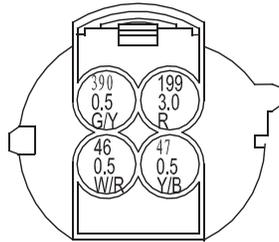
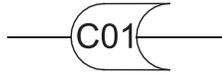


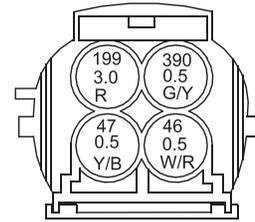
Body Electric Apparatus (K5-4G63-4G69-2.5TCI Left Hand Drive)

Function Chart for Numbered Pins of Intermediate Connection of Wiring Harness 1.....	2
Function Chart for Numbered Pins of Intermediate Connection of Wiring Harness 2.....	3
Function Chart for Numbered Pins of Intermediate Connection of Wiring Harness 3.....	4
Function Chart for Numbered Pins of Intermediate Connection of Wiring Harness 4.....	5
Function Chart for Numbered Pins of Intermediate Connection of Wiring Harness 5.....	6
Function Chart for Numbered Pins of Intermediate Connection of Wiring Harness 6.....	7
1# Fuse Box (Gasoline).....	9
2# Fuse Box (Gasoline).....	11
Battery Starter Engine	13
Engine Electronic Control System	14
Anti-theft Airbag	16
4-loop Airbag System	17
ABS EBD Electronic Control System	18
TCS Electronic Control System	19
Reversing Radar Reversing Image	20
AWD Electronic Control System	21
Electric Horn Instrument Cluster	22
Cigar Lighter Electric Rearview Mirror Rear Wiper Washer	23
DVD Player (1)	24
DVD Player (2)	25
Air Conditioner (1)	26
Air Conditioner (2)	27
Power Door and Window (with anti-pinch function).....	28
Power Door and Window (without anti-pinch function).....	30
Power Electric Heating Seats Power Socket Sunroof	31
Central Door Lock.....	32
Body Control Mechanism	32
Reversing Image System	39
Lighting System.....	41
Relationship between Wiring Harnesses and Connector Connection Number Chart (4G63/4G69)	44
Relationship between Wiring Harnesses and Connector Connection Number Chart (2.5TCI)	45
BCM Light Front Washer and Wiper.....	46

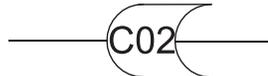
Function Chart for Numbered Pins of Intermediate Connection of Wiring Harness 1



Connecting Power Supply
Wiring Harness 1



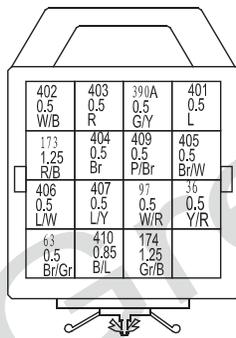
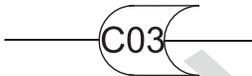
Connecting Engine
Compartment Wiring Harness 1



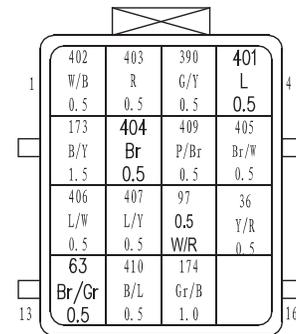
Connecting Power Supply
Wiring Harness B



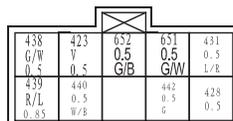
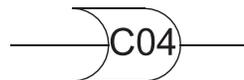
Connecting Engine
Compartment Wiring Harness 2



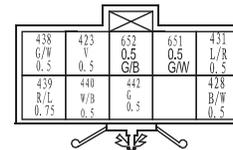
Connecting Engine
Wiring Harness 1



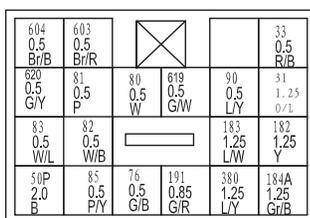
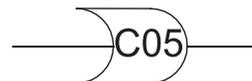
Connecting Engine Compartment
Wiring Harness 1



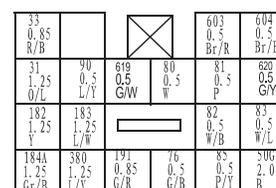
Connecting Engine
Wiring Harness 2



Connecting Engine Compartment
Wiring Harness 2

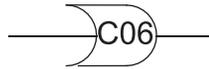


Connecting Instrument
Wiring Harness 2



Connecting Engine Compartment
Wiring Harness 2

Function Chart for Numbered Pins of Intermediate Connection of Wiring Harness 2

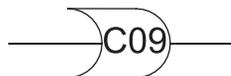


A42 0.5 Br/G	305C 0.5 L/R			B01 0.85 R/P	318 0.5 G/B
A39 0.5 Br/B	89 0.5 G	73 0.5 L/R		B02 0.85 B/R	60 0.85 G/R
88 0.5 Y/B	306 0.5 R/W	84 0.5 L/B		B03 0.5 B/R	38 0.85 Y/G
	106 1.25 L/W	42A 0.85 G/V		315 2.0 Br	28 0.5 Y/W
					74 0.5 BL/W

Connecting Instrument Panel and Console Wiring Harness 1

318 0.35 G/B	B01 0.85 R/P			305 0.5 L/R	A42 0.5 Br/G
60C 0.85 G/R	B02 0.85 B/R			89 0.5 G	A39 0.5 Br/B
38 0.85 Y/G	B03 0.5 B/R	78 0.5 Br		84 0.5 L/B	306 0.5 R/W
74 0.5 BL/W	28 0.5 Y/W			42C 0.85 G/V	106 1.25 L/W
					88 0.5 Y/B

Connecting Engine Compartment Wiring Harness 1



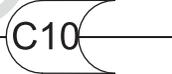
CD-H073

29 1.25 L/Y	315 2.0 Br			135 1.25 L/W
17 1.25 Y	D44B 0.85 R/L	E44A 0.85 R/Y		36 0.5 Y/R
614 0.5 Gr/Br	613 0.5 Br/B			616 0.5 Br/B
615 0.5 Br/R	50A 2.0 B	609 0.5 G/B	610 0.5 G/R	611 0.5 G/L
				612 0.5 G/V

Connecting Floor Wiring Harness

135 0.85 L/W	511 0.5 L/B			315 2.0 Br	29 1.25 L/Y
36 0.5 Y/R		E44 0.5 R/Y	D44 0.5 R/L	35 1.25 Y	
			613 0.5 Br/B	614 0.5 Gr/Br	
612 0.5 G/V	611 0.5 G/L	610 0.5 G/R	609 0.5 G/B	50Y 2.0 B	615 0.5 Br/R

Connecting Engine Compartment Wiring Harness



T02 0.5 Br	T01 0.5 Br/L			261 2 R	37 0.85 浅绿
T41 0.5 Br/R	T42 0.5 Br/W	162 0.5 B/Y	6 0.85 W/G	7 0.85 B/W	12 0.85 Gr/B
T32 0.5 Br/G	T31 0.5 Br/Y			375 0.5 G/B	69B 0.5 G/Y
T51 0.5 Br/G	T52 0.5 Br/B	316 2.0 Br	13 0.85 Gr/R	5 0.5 W/L	42 0.85 G/V

Connecting Floor Wiring Harness 2

37 0.5 G/W	261 2.0 R			T01 0.5 Br/L	T02 0.5 Br
12 0.5 Gr/B	7 0.85 B/W	6 0.85 W/G	162E 0.5 B/Y	T42 0.5 Br/W	T41 0.5 Br/R
69 0.85 G/Y	375 0.5 G/B			T31 0.5 Br/Y	T32 0.5 Br/Gr
42 0.85 G/V	5 0.5 W/L	13 0.5 Gr/R	316 2.0 Br	T52 0.5 Br/B	T51 0.5 Br/G

Connecting Instrument Wiring Harness 2



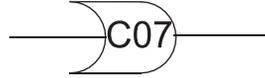
	38 0.85 L/W	500 2.0 G	423 V 0.5	
			438 G/W 0.5	517 G/O 0.5
452R/L 0.5	67 0.5 L/G	37 0.85 Light green	439 R/L 0.75	515 Y 0.5
		50 B 0.85	173 0.75 R/W	516 Y/L 0.5
	350 G/Y 0.5	39 0.5 Br/G	511 G/B 0.5	

Connecting MT Wiring Harness Assembly

	423 V 0.5	500 2.0 G	38 0.85 L/W	44 0.5 R/L
517 G/O 0.5	438 G/W 0.5			
515 Y 0.5	439 R/L 0.75	37 0.85 Light green	67 0.5 L/G	50B 0.5
516 Y/L 0.5	173 0.75 R/W	50 B 0.85		
	511 0.5 G/B	39 0.5 Br/G	350 0.5 G/Y	

Connecting Instrument Wiring Harness

Function Chart for Numbered Pins of Intermediate Connection of Wiring Harness 3

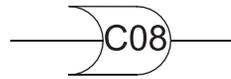


71B 0.5 R/B	47 0.5 Y/B			402 0.5 W/B	46 0.5 W/R
401 0.5 L	63 0.5 Br/Gr	41 0.85 L/R	E44 0.85 R/Y	311 0.5 R/Y	281 0.5 G/Y
390 0.5 G/Y	116 0.5 R/W		D44 0.85 R/L	75 0.5 L/R	282 0.5 G/L
173A 0.5 R/B	95 0.5 L/O	404 0.5 Br	403B 1.25 R	79 0.5 L	

Connecting Instrument
Wiring Harness 4

46 0.5 W/R	402 0.5 W/B			47 0.5 Y/B	71 0.35 R/B
281 0.35 G/Y	311 0.35 R/Y	E44 0.35 R/L	41 0.85 0	63 0.5 Br/Gr	401 0.5 L
282 0.35 G/L	75 0.5 L/R	D44 0.35 R/L		116 0.5 R/W	
	79 0.5 L	403 1.25 R	404 0.5 Br	95 0.5 L/O	173 0.5 R/W

Connecting Engine Compartment
Wiring Harness 4

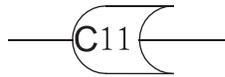


122 0.5 G/R	300 1.25 L/W			301 1.25 L/R	302 0.5 Y/W	29 0.5 L/Y
442 0.5 G	310 0.5 L	164 0.5 L/B	423 0.5 V	438 G/W 0.5		
517 0.5 G/O		451 0.5 R/W	173 0.85 R/B	439 R/L 0.75	34W B/W 1.25	405Br/W 0.5
500 2.0 G	4 3.0 R/G		155 3.0 W/R			150 3.0 R/L

Connecting Instrument
Wiring Harness 3

29 1.25 L/Y	302 0.35 Y/W	301 1.25 L/R			300 1.25 L/W	122 0.5 G/R
		438 G/W 0.5	423 V 0.5	164 0.5 L/B	310 0.5 L	442 0.5 G
405Br/W 0.5	34W 1.25	439 R/L 0.75	173 0.85 R/W	451 0.5 R/W	452 0.5 R/L	517 0.5 G/O
150 3.0 R/L	155 3.0 W/R		4 3.0 R/G		500 2.0 G	

Connecting Engine Compartment
Wiring Harness 3



		711 0.35 R/W
		444 0.5 R/L
	504D 0.5 W/L	B12 0.35 Gr/B
	162 0.5 B/Y	B74 0.35 B/R
	B5 0.35 R/L	34B 0.5 W/B
	B22 0.5 Gr/W	36 0.5 Y/R
	C5 0.5 W/R	B73 0.5 B/R
	B24 0.5 Gr/W	

Connecting Floor
Wiring Harness 1A

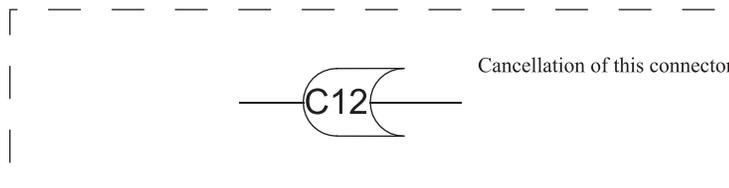
260B 2.0 R/G	8 0.85 O/G	30 0.85 Y/L	18 0.35 W
155 3.0 W/R	26 0.85 Y/R	33 0.85 R/B	163 1.25 L/R
	32 0.85 0	20 0.85 Y/W	
	60B 0.85 G/R	22 0.85 R/Y	
	21 0.85 G	24 0.85 B/G	B33 0.85 R/B

Connecting Floor Wiring
Harness 1B

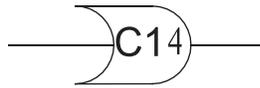
511 0.5 L/R	B24 0.5 Gr/W				260B 2.0 R/G	8 0.85 O/G	30 0.85 Y/L	18 0.35 W
	C5 0.5 W/R	B73 0.85 B/R			155 3.0 W/R	26 0.85 Y/R	33 0.85 R/B	163 1.25 L/R
	B22 0.5 Gr/W	36 0.5 Y/R				32 0.85 0	20 0.85 Y/W	
	B5 0.5 R/L	34B 0.5 W/B			60B 0.85 G/R	22 0.85 R/Y		
	62 0.5 B/Y	B74 0.5 B/R			21 0.85 G	24 0.85 B/G	B33 0.85 R/B	
	504D 0.5 W/L	B12 0.5 Gr/B						
		C44 0.5 R/L						
		70 0.5 R/W						

Connecting Instrument
Wiring Harness 1A

Connecting
Instrument Wiring
Harness 1B



Function Chart for Numbered Pins of Intermediate Connection of Wiring Harness 4

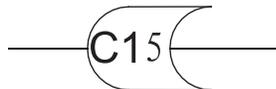


504 0.5 V/L	163 1.25 L/R	X	135 0.85 L/W
		34 0.5 W	50X 0.85 B

Connecting Roof
Wiring Harness

135 0.85 L/W	X	163 0.5 L/R	504 0.5 V/L
		50 0.85 B	34 0.5 W

Connecting Cockpit
Wiring Harness



155 2.0 WR	21A 0.85 G	X	T41 0.5 Br/R	12 0.5 Gr/B
42A 0.5 G/V	T42 0.5 Br/W	504 0.5 V/L	B24 0.5 Gr/W	34 0.5 W
				13 0.5 Gr/R

Connecting Right Front
Door Wiring Harness 1

12 0.5 Gr/B	T41 0.5 Br/R	X	21 0.85 G	
13 0.5 Gr/R	34 0.5 W	B24 0.5 Gr/W	504 0.5 V/L	T24 0.5 Br/W
				42A 0.5 G/V

Connecting Cockpit
Wiring Harness 1

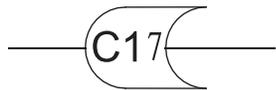


24 0.85 B/G	X	7E 0.85 B/W	6E 0.85 W/G
261 2.0 R	18C 0.85 R/L	26 0.85 Y/R	50M 2.0 B
			29B 0.85 L/Y

Connecting Right Front
Door Wiring Harness 2

6 0.85 W/G	7 0.85 B/W	X	24 0.85 B/G
29 0.85 L/Y	50 2.0 B	26 0.85 Y/R	18 0.85 R/L
			261 2.0 R

Connecting Floor Wir-
ing Harness 2

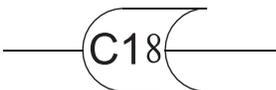


69 0.85 G/Y	36 0.5 Y/R	X		35 1.25 Y
50L 1.25 B	612 0.5 G/Br	611 0.5 G/L		610 0.5 G/R
				609 0.5 G/B

Connecting Chassis Wir-
ing Harness

35 1.25 Y		X	36 0.5 Y/R	69 0.85 G/Y
49 0.5 Gr/B	618 0.5 G/R		611 0.5 G/L	612 0.5 G/Br
				50 1.25 B

Connecting Cockpit
Wiring Harness



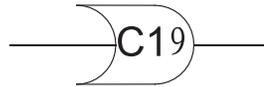
B12 0.5 Gr/B	7 0.85 B/W	X	T01 0.5 Br/L	T02 0.5 Br
B22 0.5 Gr/w	6 0.85 W/G	29 0.85 L/Y	504 0.5 V/L	60A 0.5 G/R
				34 0.5 W

Connecting Left Front
Door Wiring Harness 1

T02 0.5 Br	T01 0.5 Br/L	X	7 0.85 B/W	B12 0.5 Gr/B
34 0.5 W	60A 0.5 G/R	504 0.5 V/L	29 0.85 L/Y	6 0.85 W/G
				B22 0.5 Gr/w

Connecting Floor Wiring Harness 1

Function Chart for Numbered Pins of Intermediate Connection of Wiring Harness 5

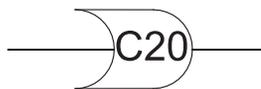


260B 2.0 R/G	155 2.0 W/R		18 0.5 R/L	50U 2.0 B
12 0.5 Gr/B	13 0.5 Gr/R		22 0.85 R/Y	21 0.85 G
			20 0.85 Y/W	

Connecting Left Front
Door Wiring Harness 2

50 2.0 B	18 0.85 R/L			260 2.0 R/G
20 0.85 Y/W	21 0.85 G	22 0.85 R/Y		13 0.85 Gr/R
				12 0.85 Gr/B

Connecting Cockpit
Wiring Harness 2



155 2.0 W/R		261A 2.0 R
6B 0.85 W/G	50N 2.0 B	7B 0.85 B/W

Connecting Right Rear
Door Wiring Harness

261 2.0 R		
7 0.85 B/W	50 2.0 B	6 0.85 W/G

Connecting Cockpit
Wiring Harness

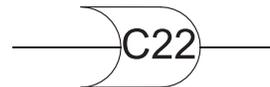


T31 0.5 Br/Y		504 0.5 W/L
T32 0.5 Br/Gr	34 0.5 W/B	18A 0.85 R/L

Connecting Right Rear
Door Wiring Harness

504 0.5 V/L		T31 0.5 Br/Y
18 0.85 R/L		34 0.5 W
		T32 0.5 Br/Gr

Connecting Cockpit
Wiring Harness



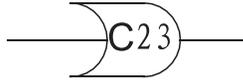
6C 0.85 W/G	155 2.0 W/R		50B 2.0 B	260A 2.0 R/G
T51 0.5 Br/G	T52 0.5 Br/B	7C 0.85 B/W	34 0.5 W	5 0.5 V/L
				18B 0.85 R/L

Connecting Left Rear
Door Wiring Harness

260 2.0 R/G	50 2.0 B			6 0.85 W/G
18 0.85 R/L	504 0.5 V/L	34 0.5 W	7 0.85 B/W	T52 0.5 Br/B
				T51 0.5 Br/G

Connecting Cockpit
Wiring Harness

Function Chart for Numbered Pins of Intermediate Connection of Wiring Harness 6

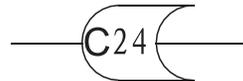


29A L/Y	30 Y/L	X	C4B 0.5 R/L
B73 W/G	B74 B/W	8 O/G	50H B
			T50 0.5 B

Connecting Tail Gate
Transition Wiring Harness

C4B 0.5 R/L	X	30 0.85 Y/L	29 1.25 L/Y
T50 0.5 B	50 1.25 B	8 0.85 O/G	B74 0.5 B/W
			B73 0.85 W/G

Connecting Cockpit
Wiring Harness

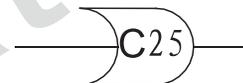


33C 0.85 R/B	X		
70 0.5 R/W	32 0.85 O r	34A 0.5 W	37 0.85 G/W

Connecting Tail Gate
Transition Wiring Harness

	X		33C 0.85 R/B
	37 0.5 R/Y	34A 0.5 W	32 0.85 O r
			711 0.5 R/W

Connecting Cockpit
Wiring Harness



30 0.85 Y/L	X	29 1.25 L/Y
50 1.25 B	8 0.85 O r	B74 0.5 B/R
		B73 0.85 B/R

Connecting Tail Gate

29 1.25 L/Y	X	30 0.85 Y/L
B73 0.85 B/R	B74 0.5 B/R	8 0.85 O r
		50 1.25 B

Connecting Tail Gate
Transition Wiring Harness



C44B 0.5 R/L	X	37 0.5 R/Y	33 0.85 R/B
T50 0.5B		711 0.5 R/W	32 0.85 O r

Connecting Tail Gate

33 0.85 R/B	37 0.5 G/W	X	C4B 0.5 R/L
	32 0.85 O r	711 0.5 R/W	T50 0.5 B

Connecting Tail
Gate Transition
Wiring Harness

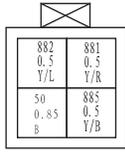
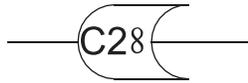


X	
50 0.85 B	37 0.85 G/W

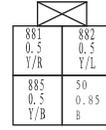
Connecting Reversing
Radar Transition Wiring Harness

X	
37 0.85 G/W	50 0.85 B

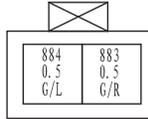
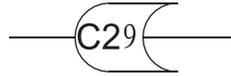
Connecting Cockpit
Wiring Harness



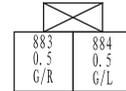
Connecting Transition
Wiring Harness 1



Connecting Reversing
Radar Wiring Harness 1



Connecting Transition
Wiring Harness 2

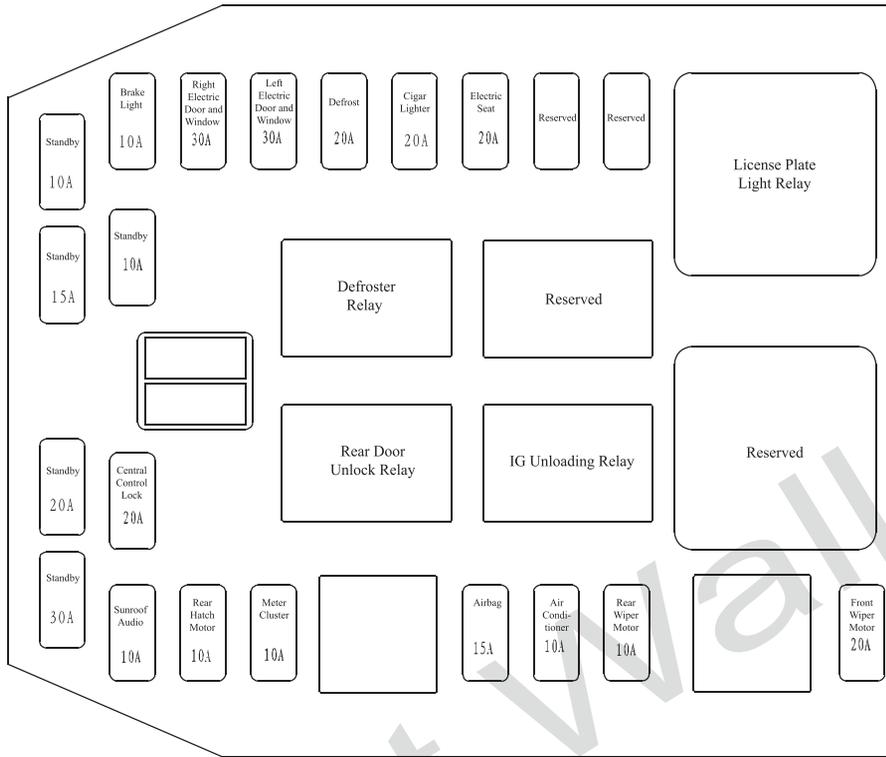


Connecting Reversing
Radar Wiring Harness 2

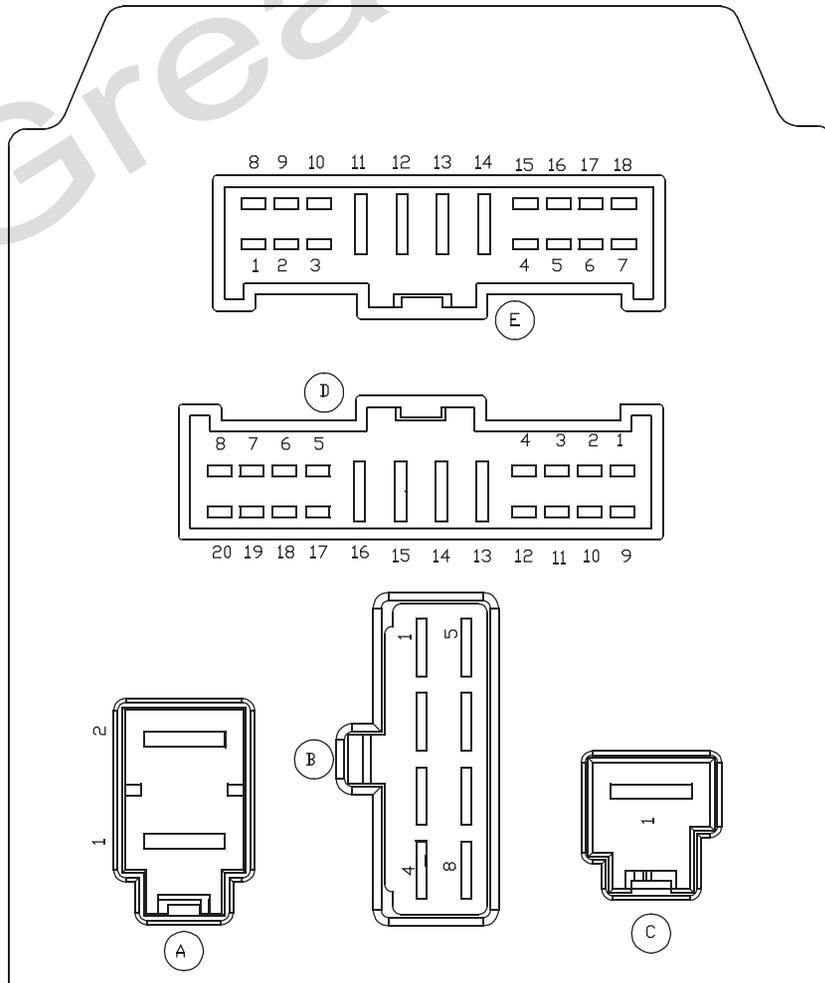
Great Wall

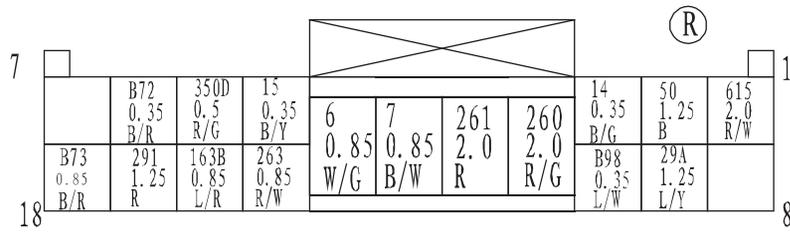
1# Fuse Box (Gasoline)

Fuse Box Label

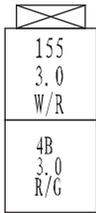


Layout Chart of Fuse Box Leading-out Terminals

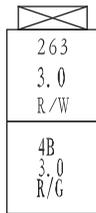




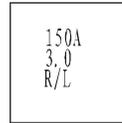
Connecting 1# Fuse Box E



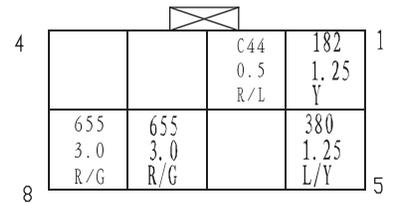
Connecting Fuse Box A (Old)



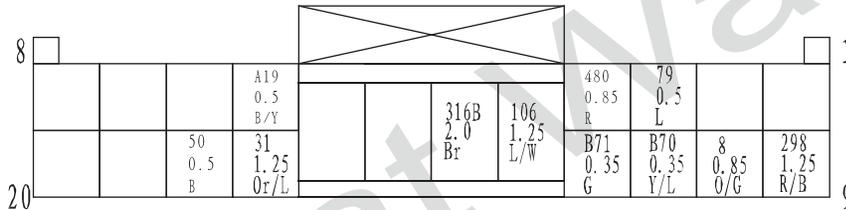
Connecting Fuse Box A (New)



Connecting Fuse Box C

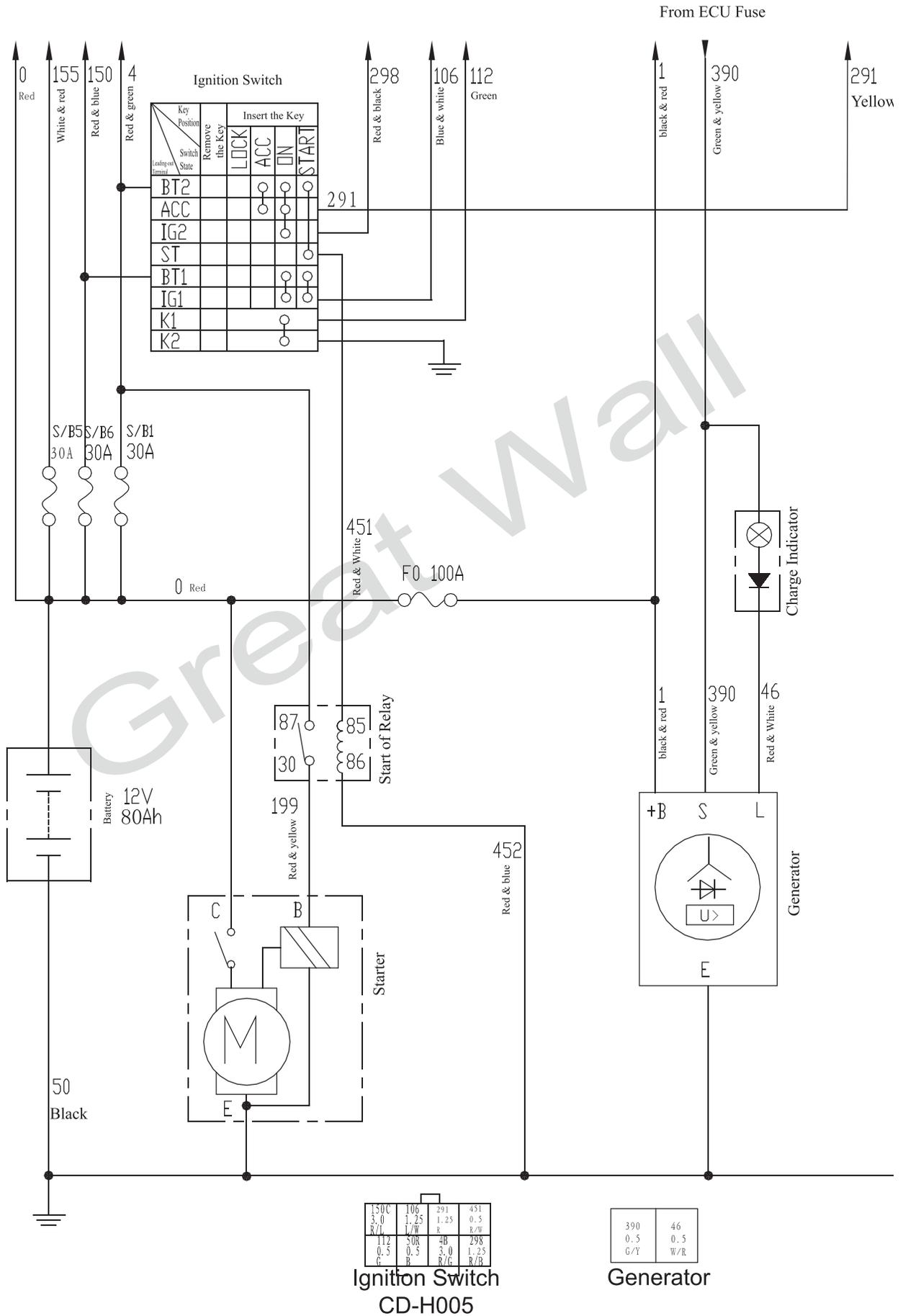


Connecting Fuse Box B

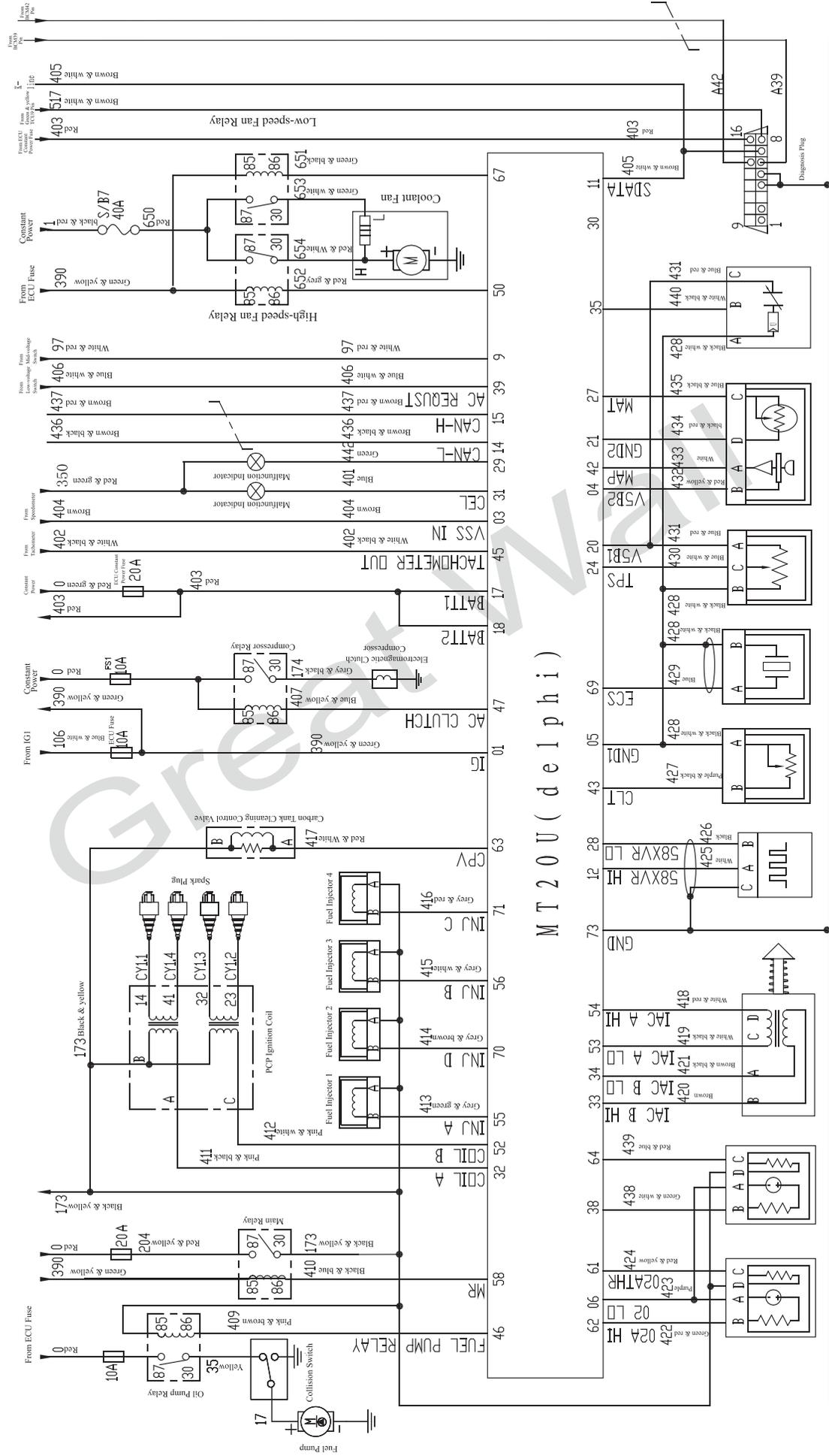


Connecting 1# Fuse Box D

Battery Starter Engine



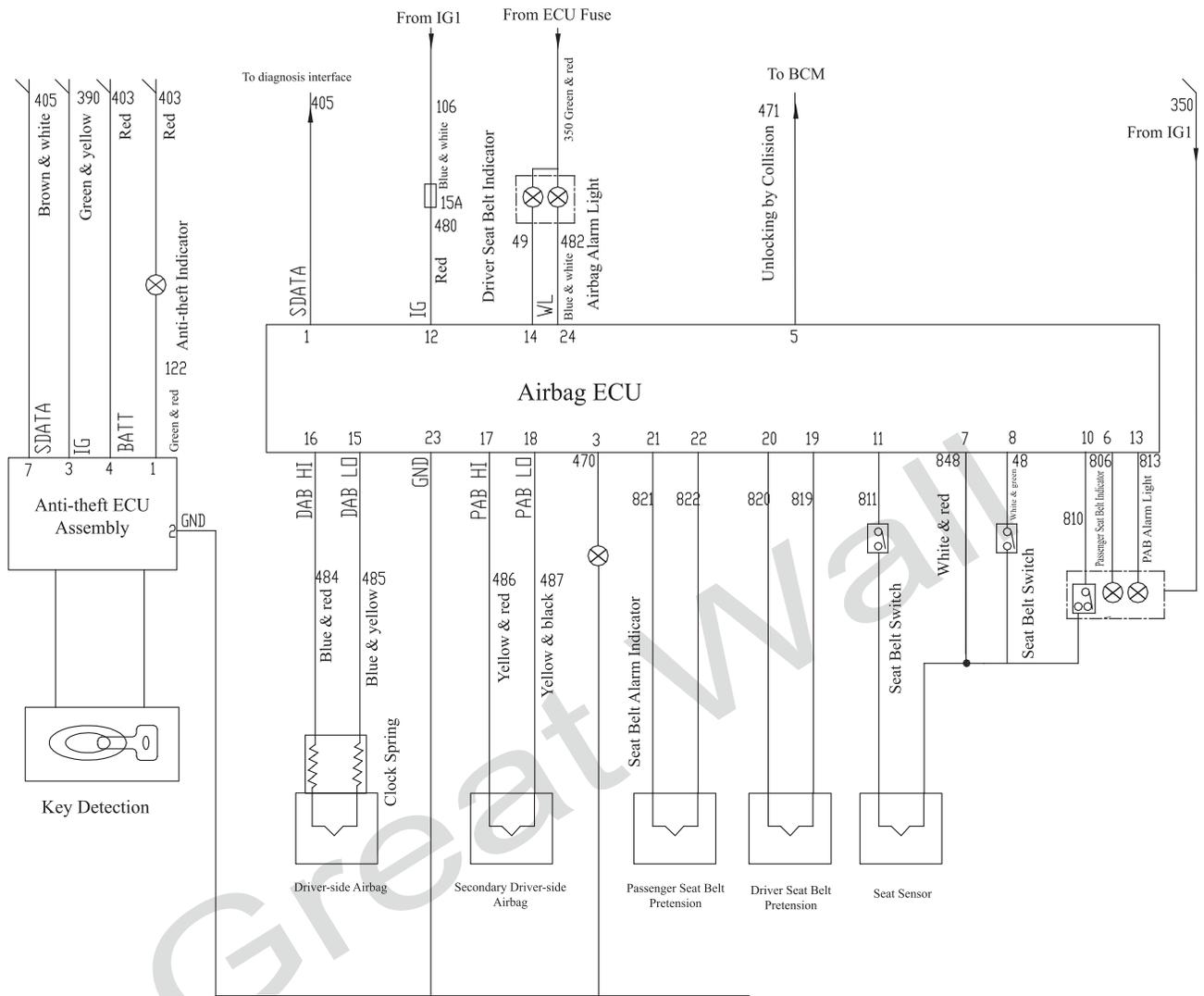
Engine Electronic Control System



MT20U (delphi)

OSP Front Oxygen Sensor OSP Rear Oxygen Sensor Idle Control Valve Coolant Temperature Sensor Knock Sensor Throttle Valve Position Sensor Intake Manifold Pressure And Temperature Sensors Weak Acceleration Sensor

Anti-theft Airbag

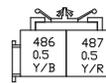


814 0.5 B/W		808 0.5 V/W	807 0.5 W/B	350 0.5 R/G
-------------------	--	-------------------	-------------------	-------------------

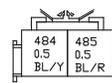
Connecting PAB Switch
T:DJ621-G2.3*0.6A 2EA

480 0.85 R		482 0.5 L/W	49 0.5 V	806 0.5 L
405A 0.5 B/Y	471 0.35 R/L	470 0.5 W/G	814 0.5 B/W	808 0.5 V/W
				807 0.5 W/B

Connecting Airbag



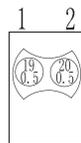
Connecting PAB Generator (yellow)



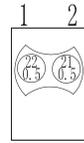
Connecting Clock Spring (yellow)

390 0.5 G/Y		50 0.5 B	122 0.5 G/R
405 0.5 B/Y			403 0.5 R

Anti-theft Module
0-0282366-1
0-0173850-1



Pretensioned Seat Belt

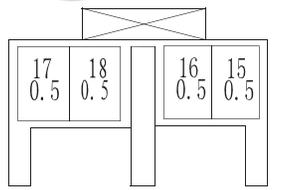
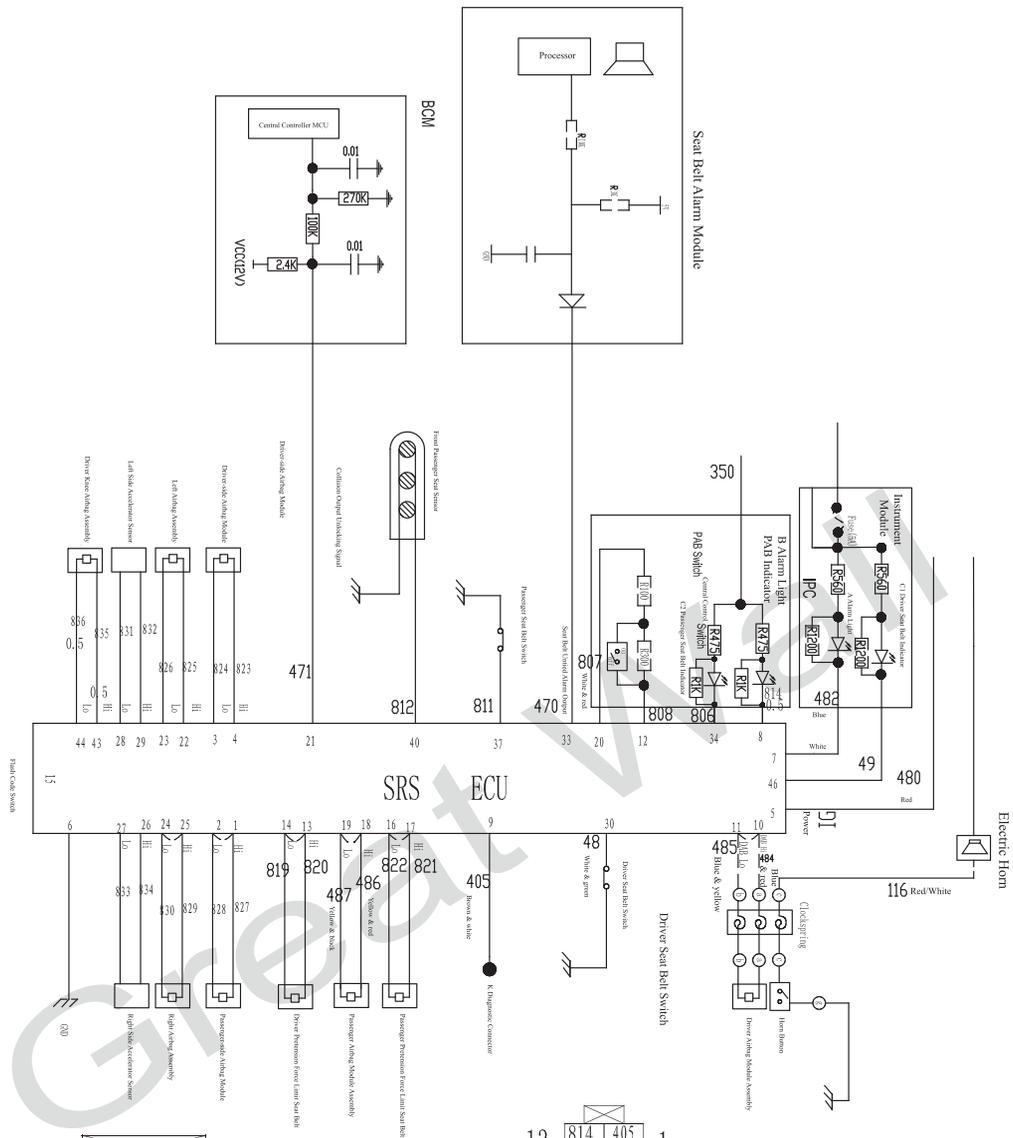


Pretensioned Seat Belt
C252 G17 143 E1

13	814 0.5 49	405 0.5	1
	49 0.5	470 0.5	
	15 0.5		
	16 0.5		
	17 0.5	471 0.5	
	18 0.5	6 0.5	
	19 0.5	7 0.5	
	20 0.5	8 0.5	
	21 0.5		
	22 0.5	10 0.5	
	23 0.75	11 0.5	
24	482 0.5	480 0.75	12

Connecting Airbag ECU

9-loop Airbag System



Connecting Clock Spring Transition Wire

480	482	49	6
0.75	0.5	0.5	0.5
405	471	470	814
0.5	0.5	0.5	0.5
	10		7
	0.5		0.5

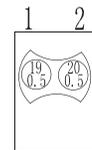
Connecting Instrument Panel and Console Wiring Harness

814	405	1
0.5	0.5	
49	470	
0.5	0.5	
16		
0.5		
17	471	
0.5	0.5	
18	6	
0.5	0.5	
19	7	
0.5	0.5	
20	8	
0.5	0.5	
21		
0.5		
22	10	
0.5	0.5	
23	11	
0.75	0.5	
24	482	12
	0.5	0.75

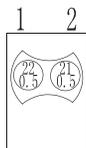
Connecting Airbag ECU



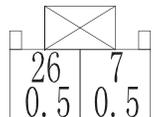
Driver Seat Belt Switch



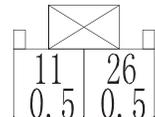
Pretensioned Seat Belt



Pretensioned Seat Belt C252 G17 143 E1



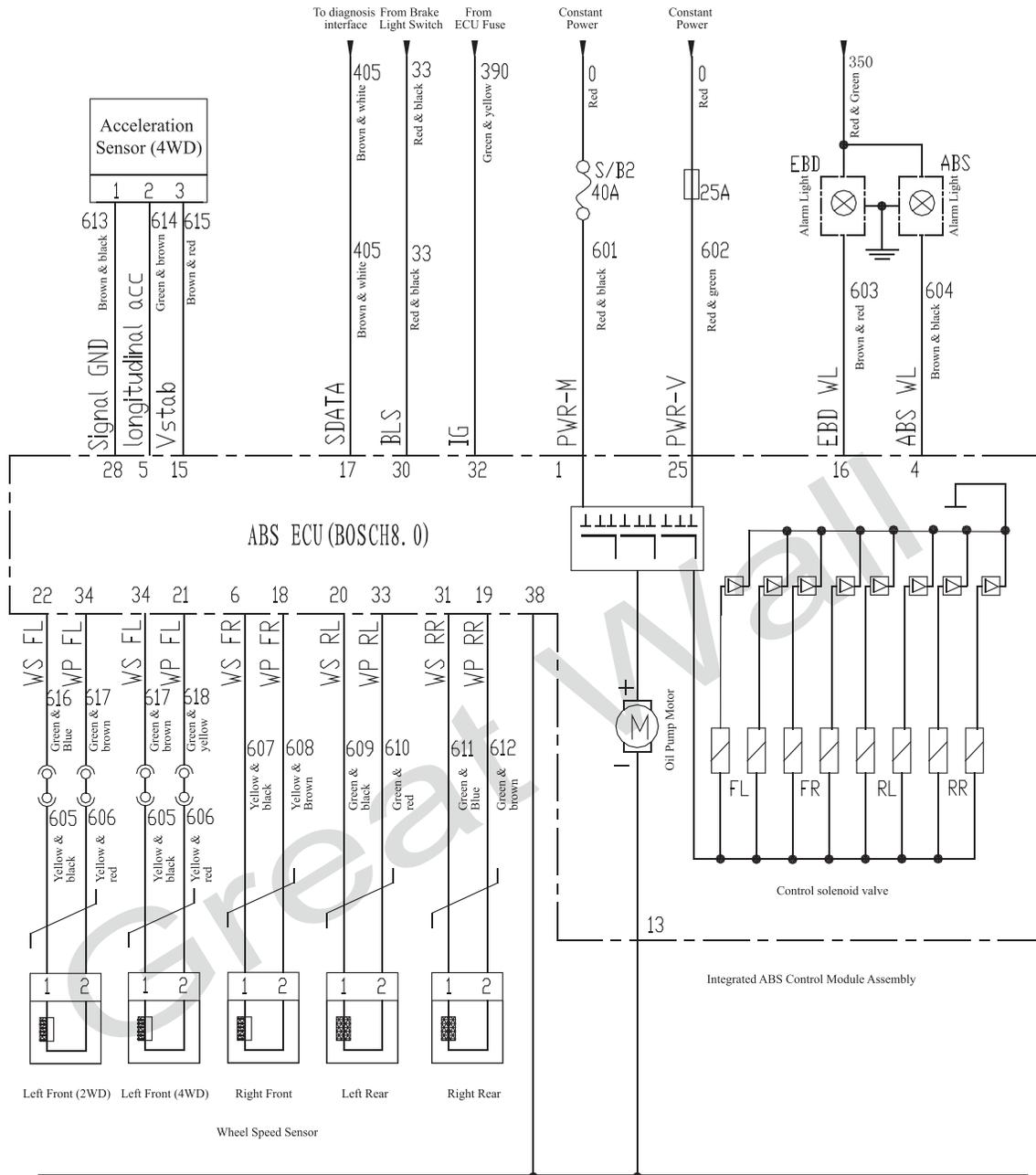
Passenger Seat Belt Switch H:DJ7021-2.3-21



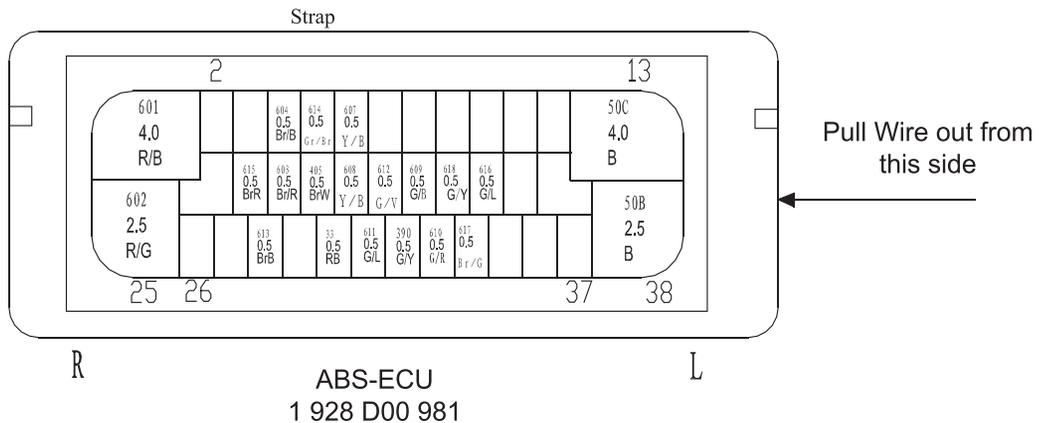
Seat Sensor Molex: 988 171 021

T:DJ621-G2.3*0.6A 2EA

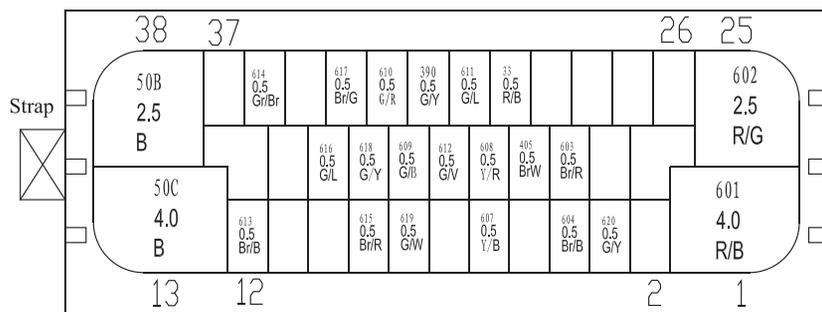
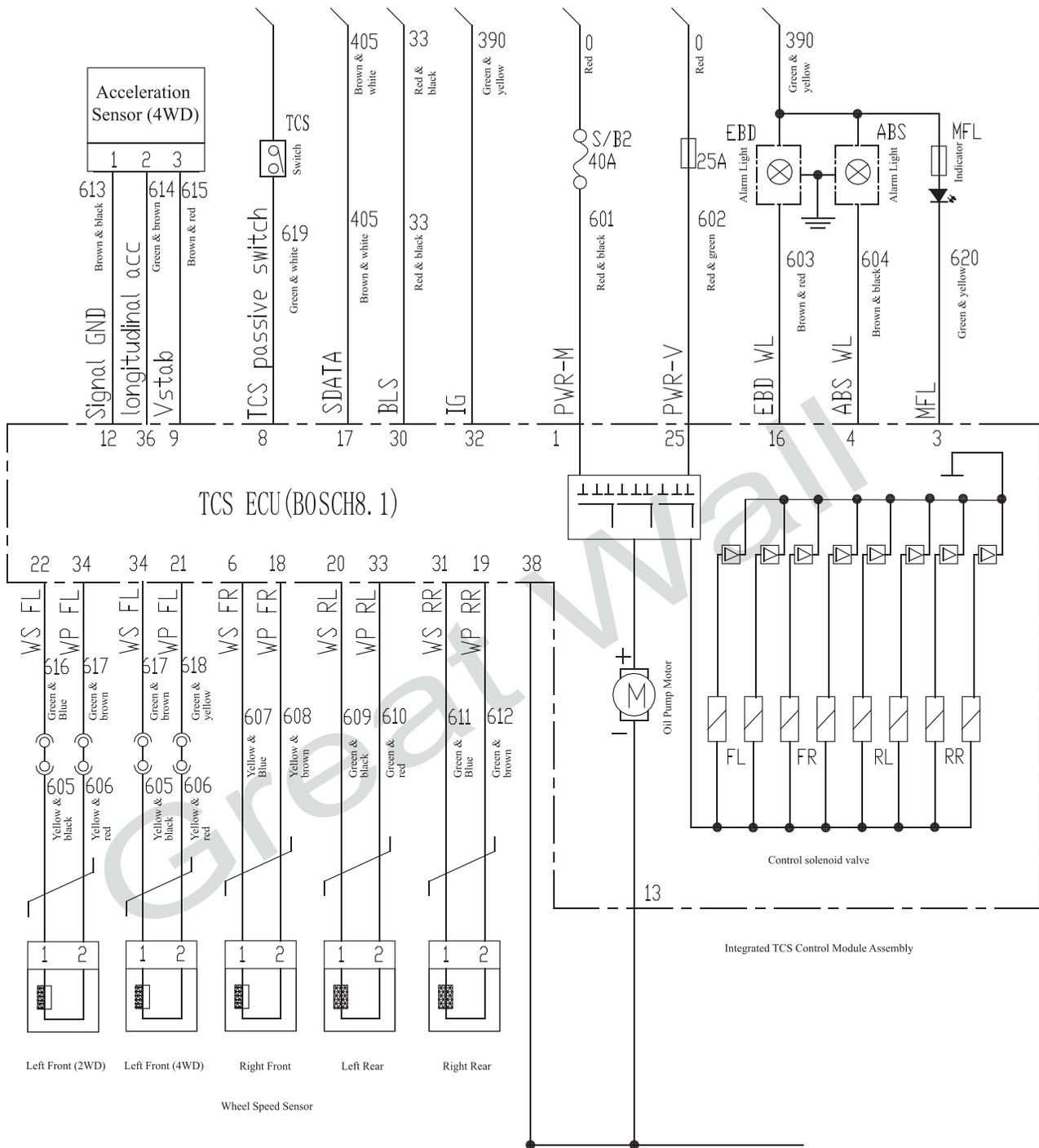
ABS EBD Electronic Control System



- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------|---|-----|-----|-----|-----|-----|------|--|---|---|-----|-----|-----|-----|-----|-----|--|---|---|-----|-----|-----|-----|-----|-----|---|---|---|-----|-----|-----|-----|-----|-----|
| <table border="1" style="margin: 0 auto; border-collapse: collapse;"> <tr><td style="width: 10px;">1</td><td style="width: 10px;">2</td></tr> <tr><td style="text-align: center;">611</td><td style="text-align: center;">612</td></tr> <tr><td style="text-align: center;">0.5</td><td style="text-align: center;">0.5</td></tr> <tr><td style="text-align: center;">G/L</td><td style="text-align: center;">G/Br</td></tr> </table> <p>ABS Right Rear Sensor
AMP A1-967644-1</p> | 1 | 2 | 611 | 612 | 0.5 | 0.5 | G/L | G/Br | <table border="1" style="margin: 0 auto; border-collapse: collapse;"> <tr><td style="width: 10px;">1</td><td style="width: 10px;">2</td></tr> <tr><td style="text-align: center;">609</td><td style="text-align: center;">610</td></tr> <tr><td style="text-align: center;">0.5</td><td style="text-align: center;">0.5</td></tr> <tr><td style="text-align: center;">G/B</td><td style="text-align: center;">G/R</td></tr> </table> <p>ABS Left Rear Sensor
AMP A1-967644-1</p> | 1 | 2 | 609 | 610 | 0.5 | 0.5 | G/B | G/R | <table border="1" style="margin: 0 auto; border-collapse: collapse;"> <tr><td style="width: 10px;">1</td><td style="width: 10px;">2</td></tr> <tr><td style="text-align: center;">605</td><td style="text-align: center;">606</td></tr> <tr><td style="text-align: center;">0.5</td><td style="text-align: center;">0.5</td></tr> <tr><td style="text-align: center;">Y/B</td><td style="text-align: center;">Y/R</td></tr> </table> <p>Left Front
ABS-FL Sensor</p> | 1 | 2 | 605 | 606 | 0.5 | 0.5 | Y/B | Y/R | <table border="1" style="margin: 0 auto; border-collapse: collapse;"> <tr><td style="width: 10px;">1</td><td style="width: 10px;">2</td></tr> <tr><td style="text-align: center;">607</td><td style="text-align: center;">608</td></tr> <tr><td style="text-align: center;">0.5</td><td style="text-align: center;">0.5</td></tr> <tr><td style="text-align: center;">Y/B</td><td style="text-align: center;">Y/R</td></tr> </table> <p>Right Front
ABS-FR Sensor
A1-967644-1</p> | 1 | 2 | 607 | 608 | 0.5 | 0.5 | Y/B | Y/R |
| 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 611 | 612 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.5 | 0.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G/L | G/Br | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 609 | 610 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.5 | 0.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G/B | G/R | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 605 | 606 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.5 | 0.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y/B | Y/R | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 607 | 608 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.5 | 0.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y/B | Y/R | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

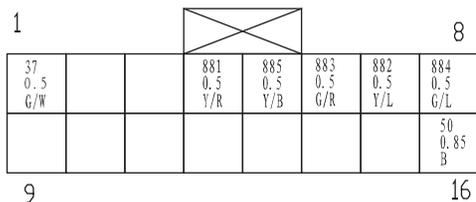
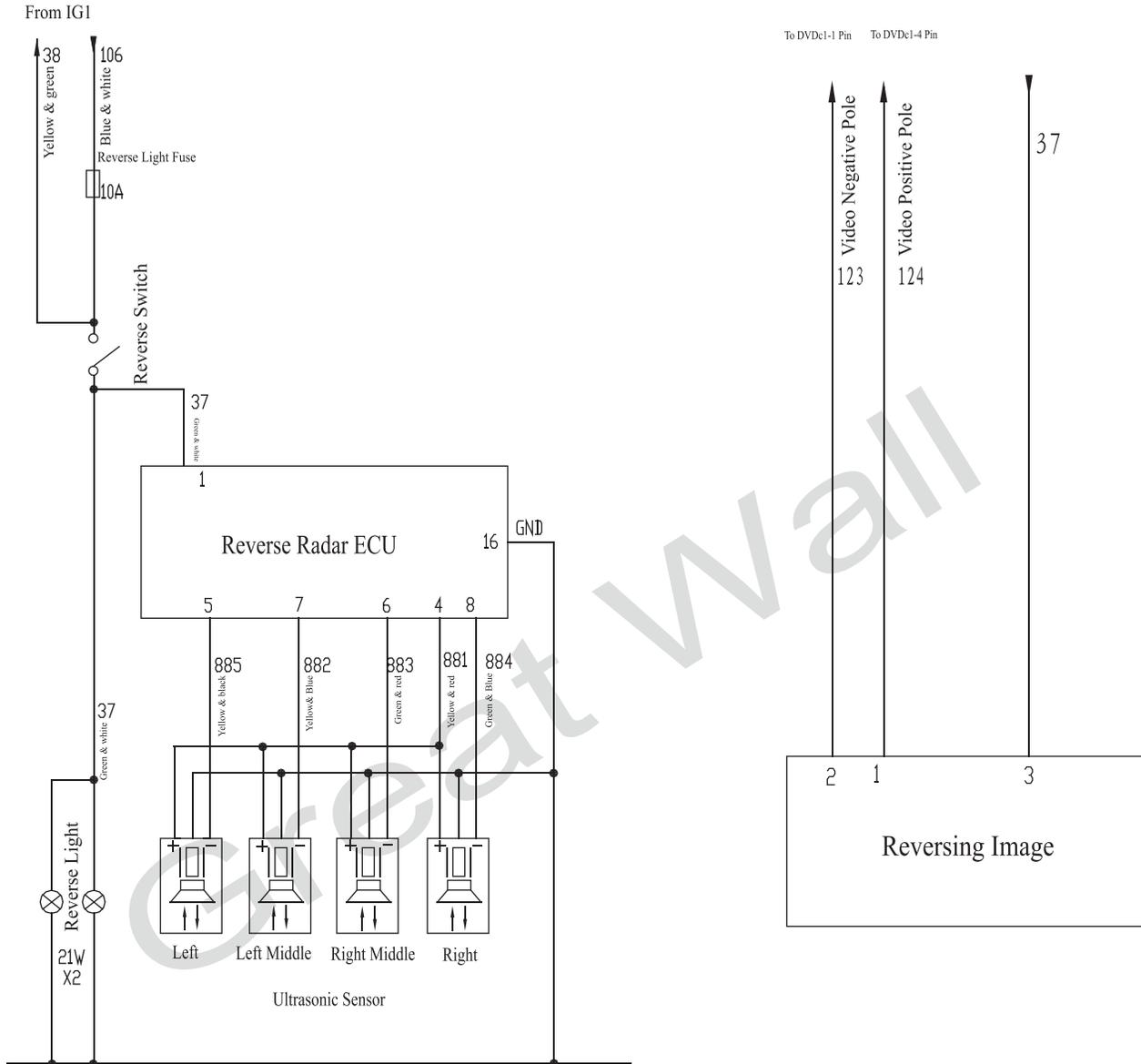


TCS Electronic Control System

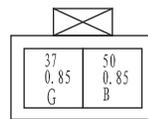


TCS-ECU

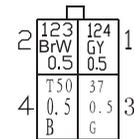
Reversing Radar Reversing Image



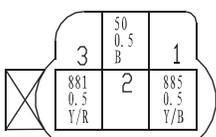
Connecting ECU



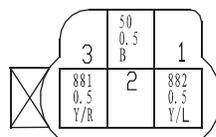
Connecting Cockpit Wiring Harness



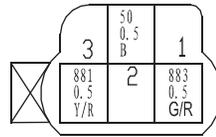
Connecting Reverse Camera H:MG610159



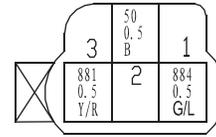
Connecting Left Probe



Connecting Middle Left Probe

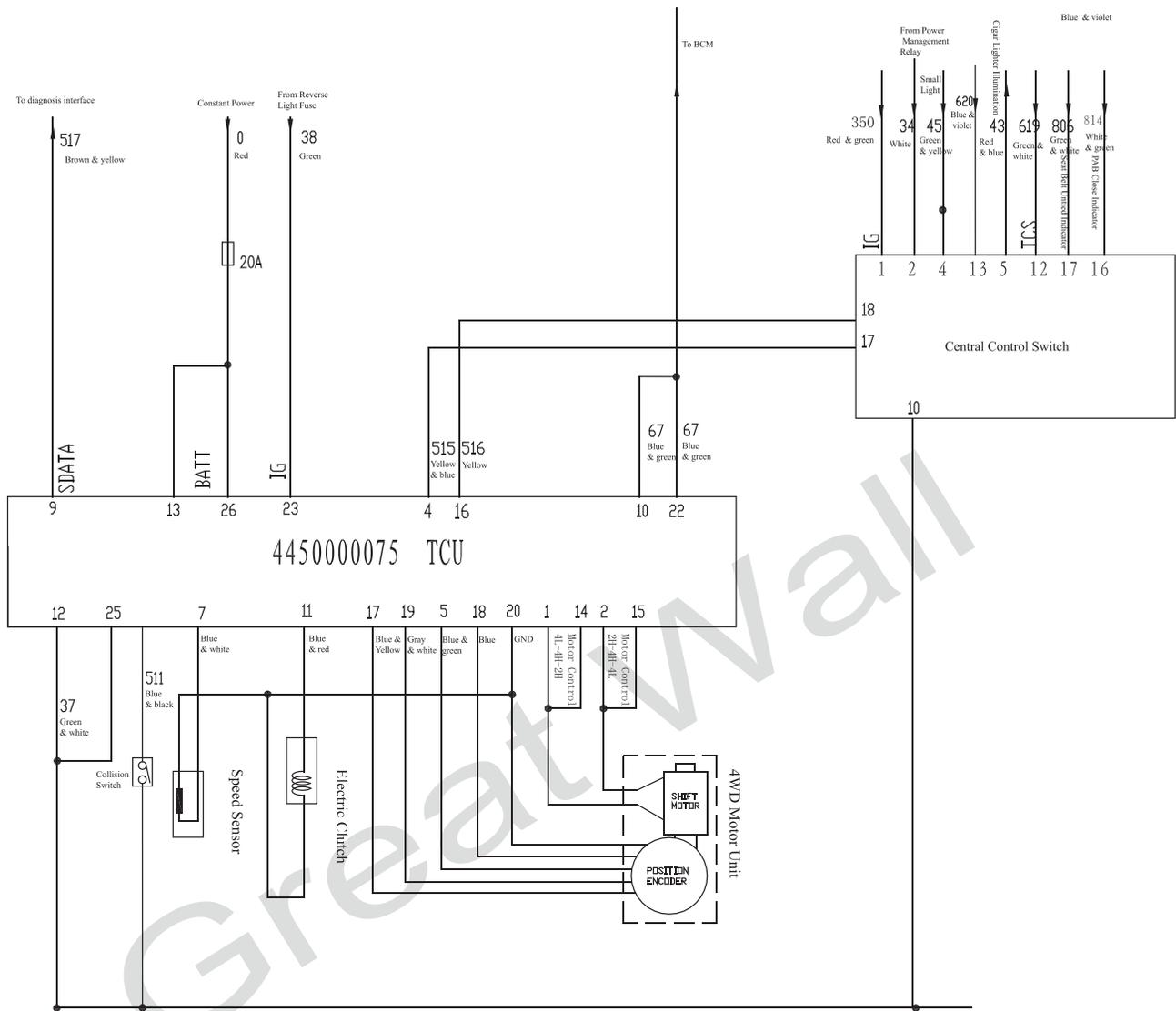


Connecting Middle Right Probe



Connecting Right Probe

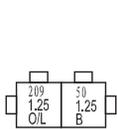
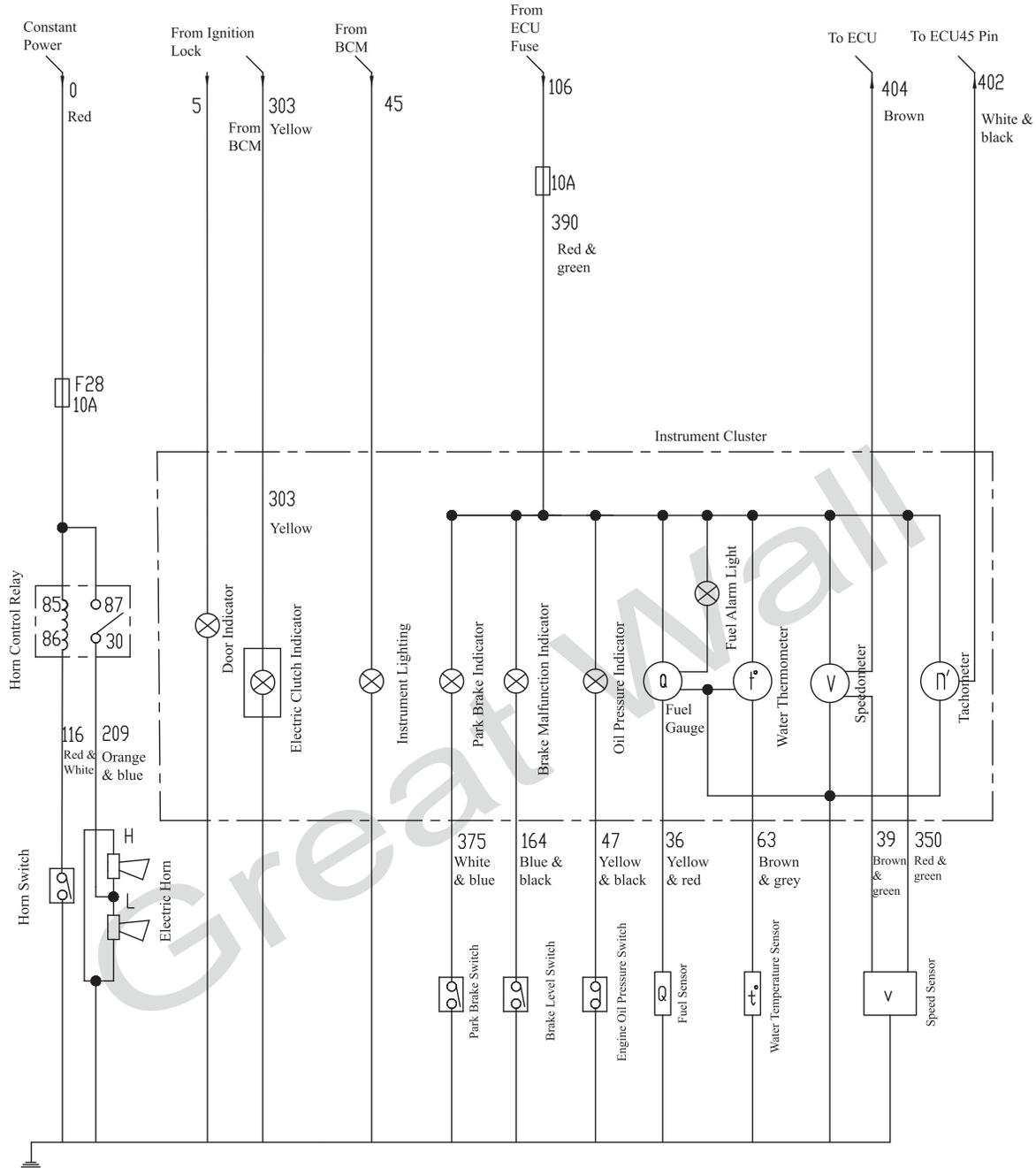
AWD Electronic Control System



	619 0.5 G/W	620 0.5 B/V			814 0.5 B/W	826 0.5 L		50 0.5 B
350 0.5 R/G	34 0.5 R/L		45 0.5 G/V	43 0.5 R/L			516 0.5 Y/L	

Central Control Switch

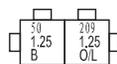
Electric Horn Instrument Cluster



Left Electric Horn

350 0.5 R/G	50 J 0.5 B	403C 0.5 R	405B 0.5 Br/W
36 0.5 Y/R	50 X 0.5 B	63 0.5 Br/Gr	39 0.5 Br/G

Instrument Cluster B
H:1318774-1

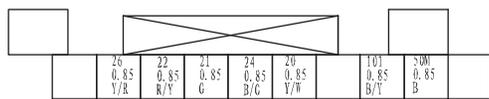
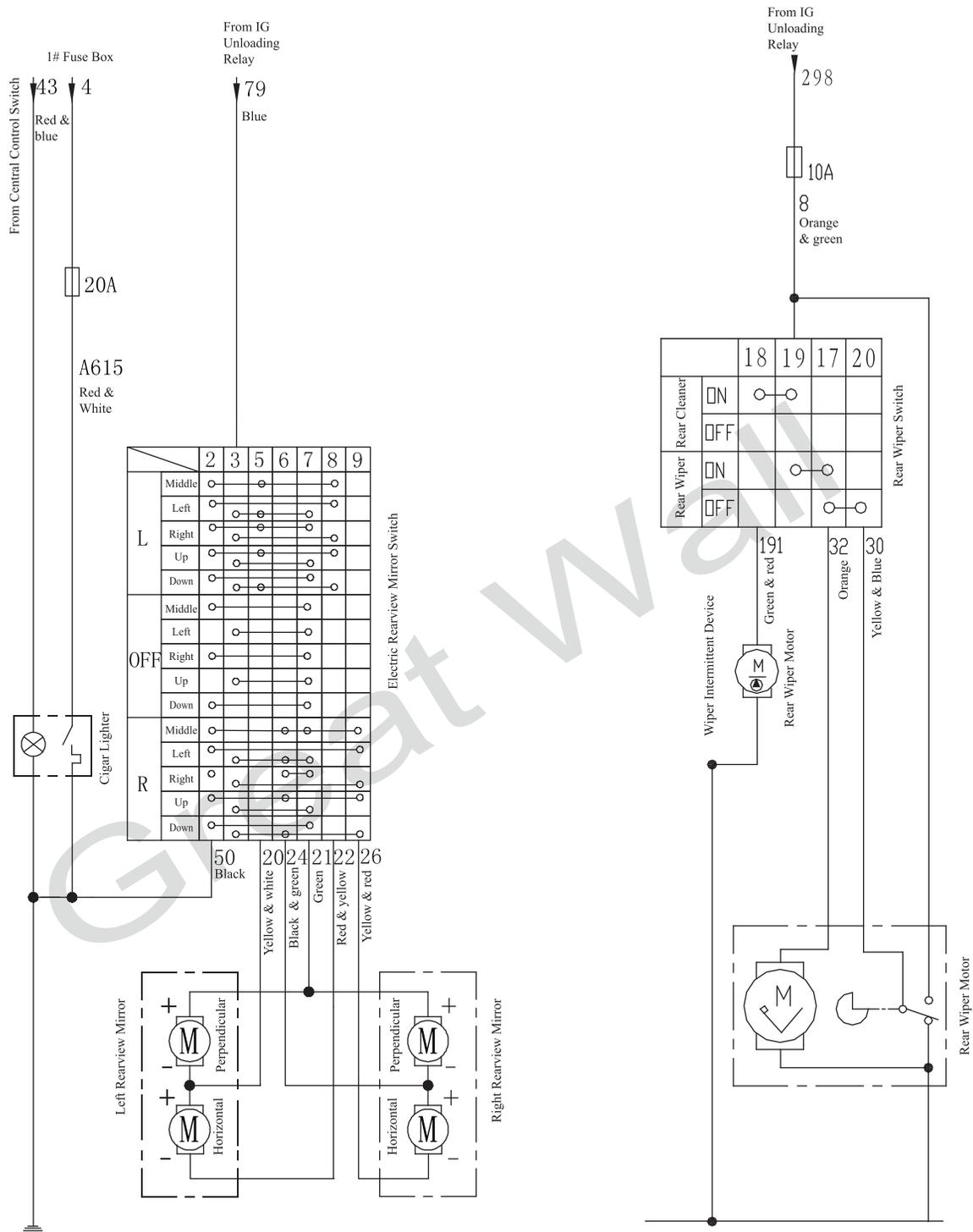


Right Electric Horn

69B 0.5 G/Y	73 0.5 L/R	29 0.5 L/Y	122 0.5 G/R	403B 0.5 W	375 0.5 G/B	47 0.5 Y/B	482 0.5 L/W	442 0.5 G	401 0.5 L	46 0.5 W/R	603 0.5 Br/R	604 0.5 Br.B			
41B 0.5 O	45 1.25 G/Y	470 0.5 W/G	49 0.5 W	5 0.5 W/L	112 0.5 G	291 1.25 R	C44L 0.5 R/L	350 0.5 G/Y	404 0.5 Br	620 0.5 G/Y	303 0.5 Y	164 0.5 L/B	60A 0.5 G/R	42A 0.5 G/Y	50 J 0.5 R

Instrument Cluster A
H:1318389-1

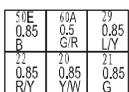
Cigar Lighter Electric Rearview Mirror Rear Wiper Washer



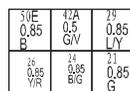
Electric Rearview Mirror Switch



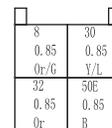
Rear Washer Motor



Left Electric Rearview Mirror

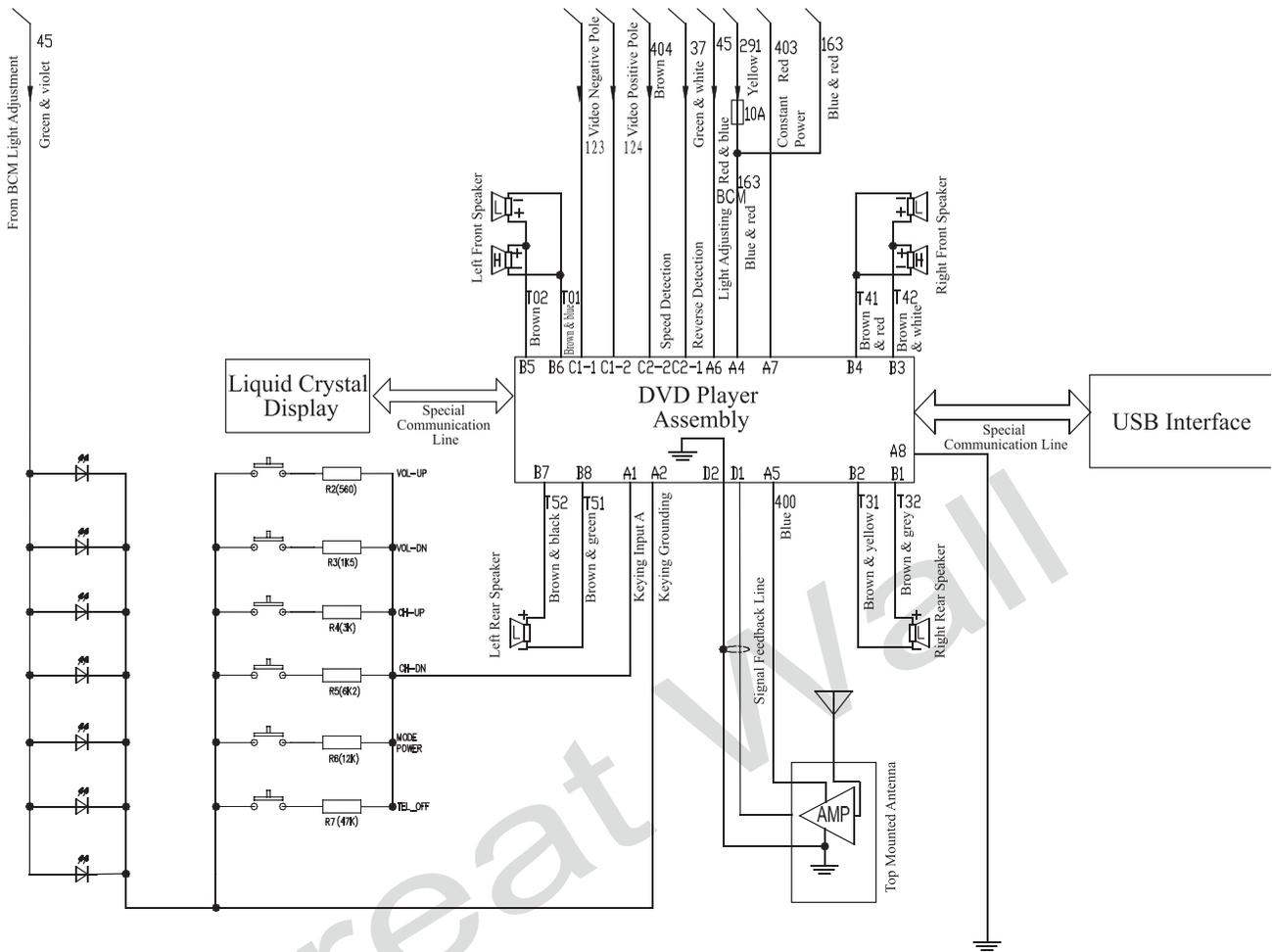


Right Electric Rearview Mirror



Connecting Rear Wiper Motor

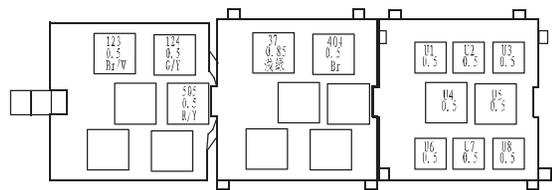
DVD Player (1)



119B	45B
0.5	0.5
120B	
0.5	

1193	400	403B
0.5	0.5	1.25
120B	163	R
0.5	0.85	0.85
	L/R	B

31	T41	T01	T51
0.5	0.5	0.5	0.5
Br/Y	Br/R	Br/Y	Br/G
0.5	0.5	0.5	0.5
3r/6r	Br/W	3r	Br/B

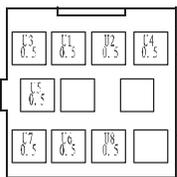


Connecting Wire Control Transition Wiring Harness

DVD Player A

DVD Player B
(the direction of this connector is the wire outgoing direction)

Connecting DVD



USB Port



Connecting Left Front Speaker



Connecting Right Front Speaker



Connecting Left Rear Speaker

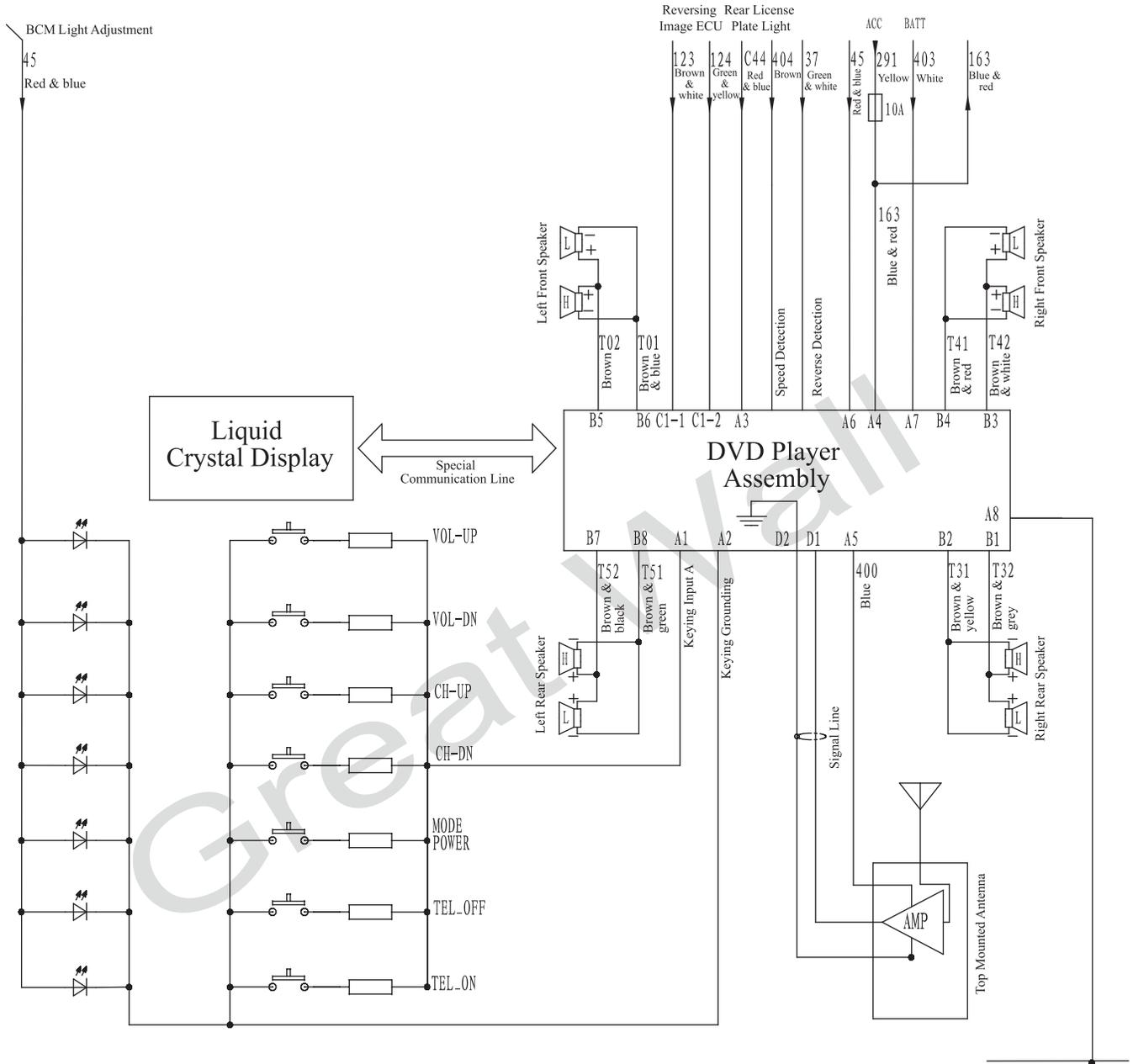


Connecting Right Rear Speaker



Connecting Antenna

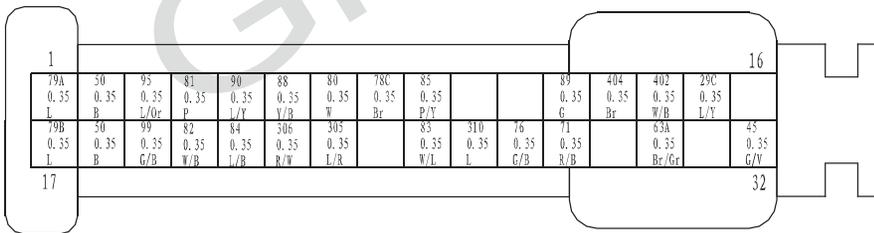
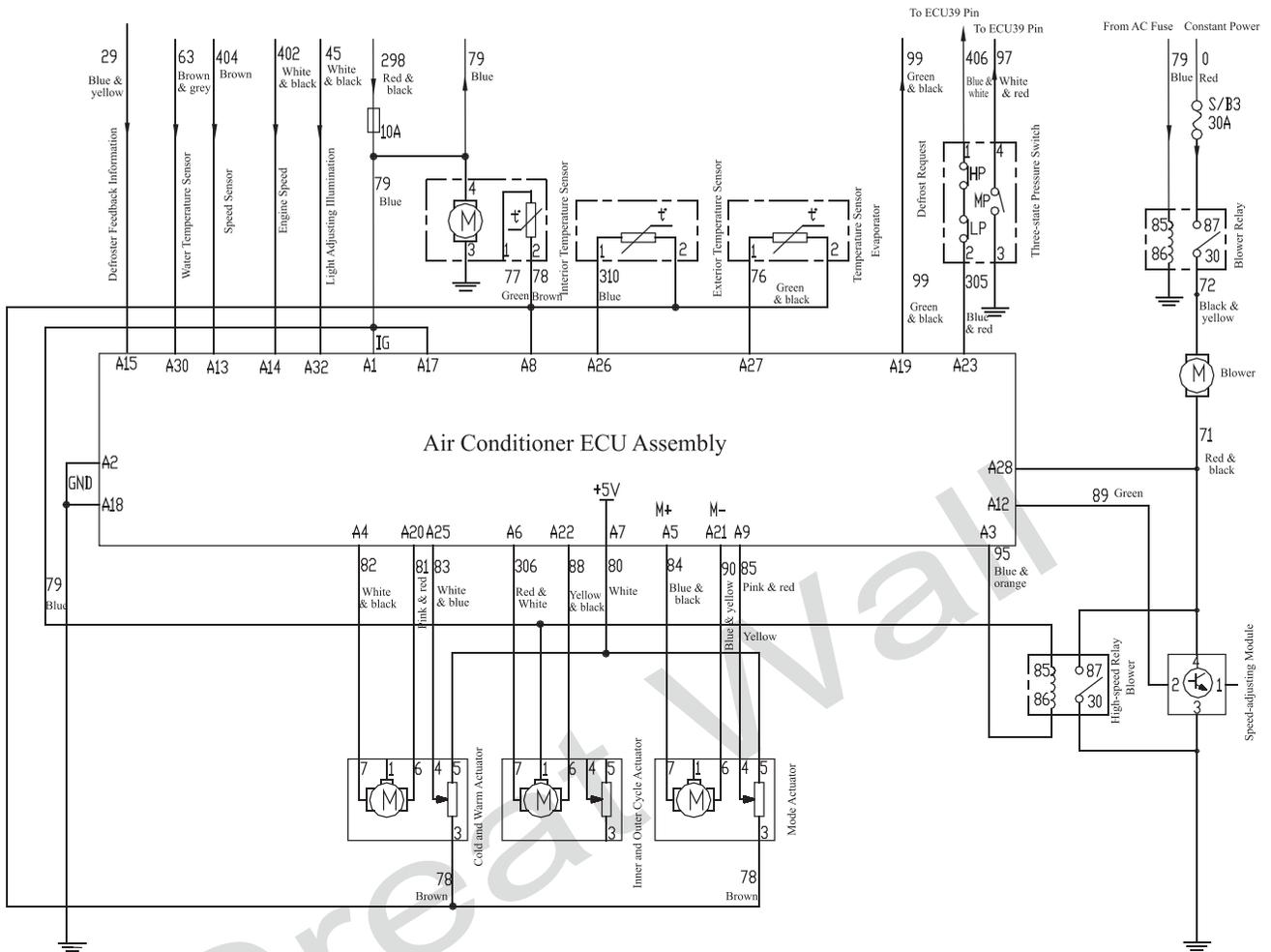
DVD Player (2)



119	C44	400	403B
0.5	0.5	0.5	1.25
R	R/L	L	R
120	163	45	50
0.5	0.85	0.5	0.85
G	L/R	G/V	B

CD Player A

Air Conditioner (1)



Air Conditioner ECU

78B	0.5		
Br			
86	0.5	81	89C
W/B		0.5	0.5
		P	Y
			89
			0.5
			V/L

Air Conditioner Cold and Warm Air Actuator
H:DJ7072-3-21

78C	0.5		
84	0.5	90	88A
0.5		0.5	0.5
L/B		L/Y	Y
			P/Y

Air Conditioner Mode Actuator
H:DJ7072-3-21

78	0.5	76	0.5
Br		G/B	

Evaporator Temperature Sensor

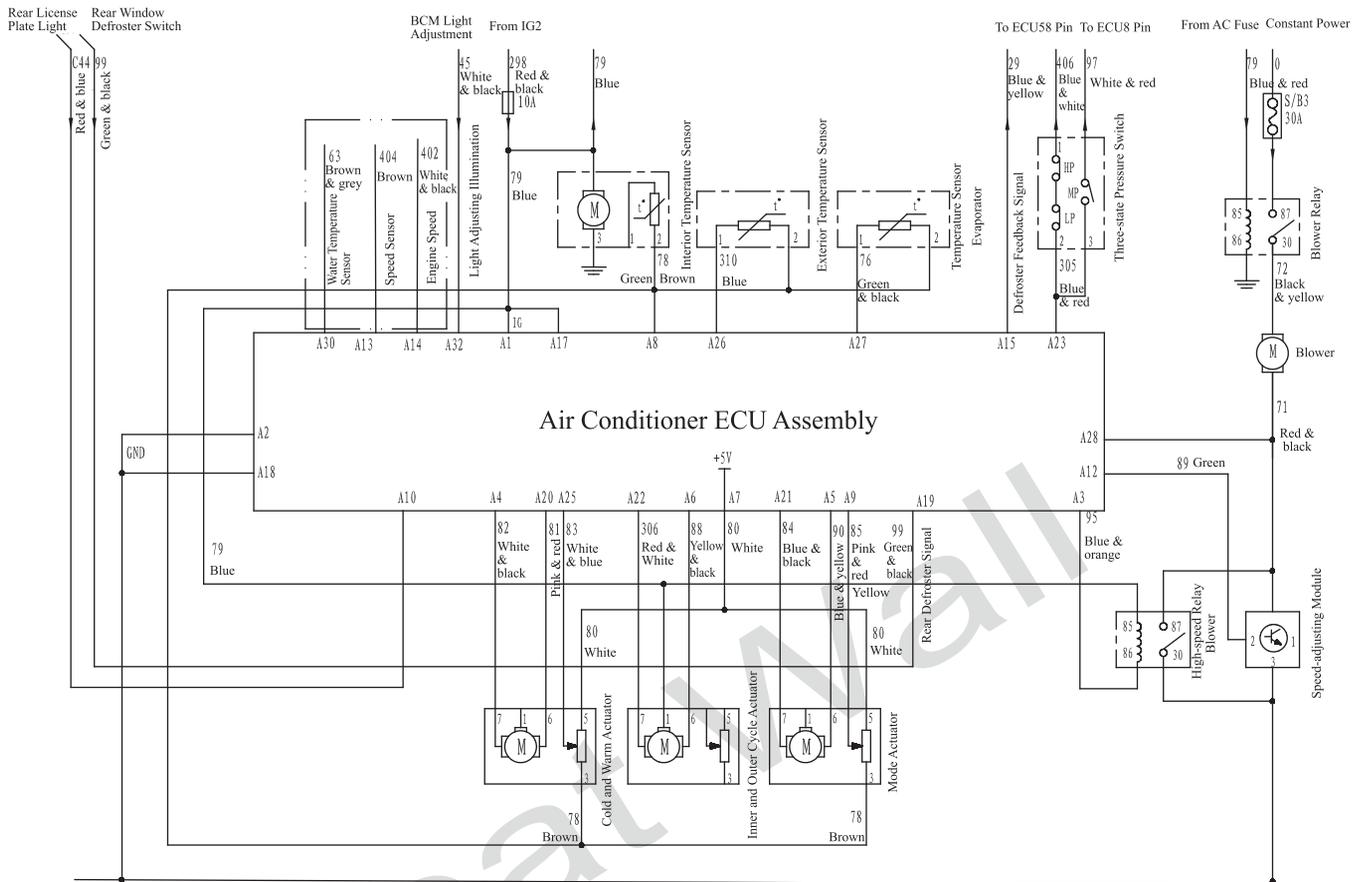
89	0.5	
G		
71	50N	
1.25	1.25	
R/B	B	

Speed-adjusting Module

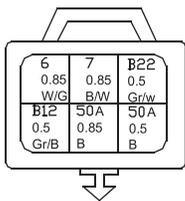
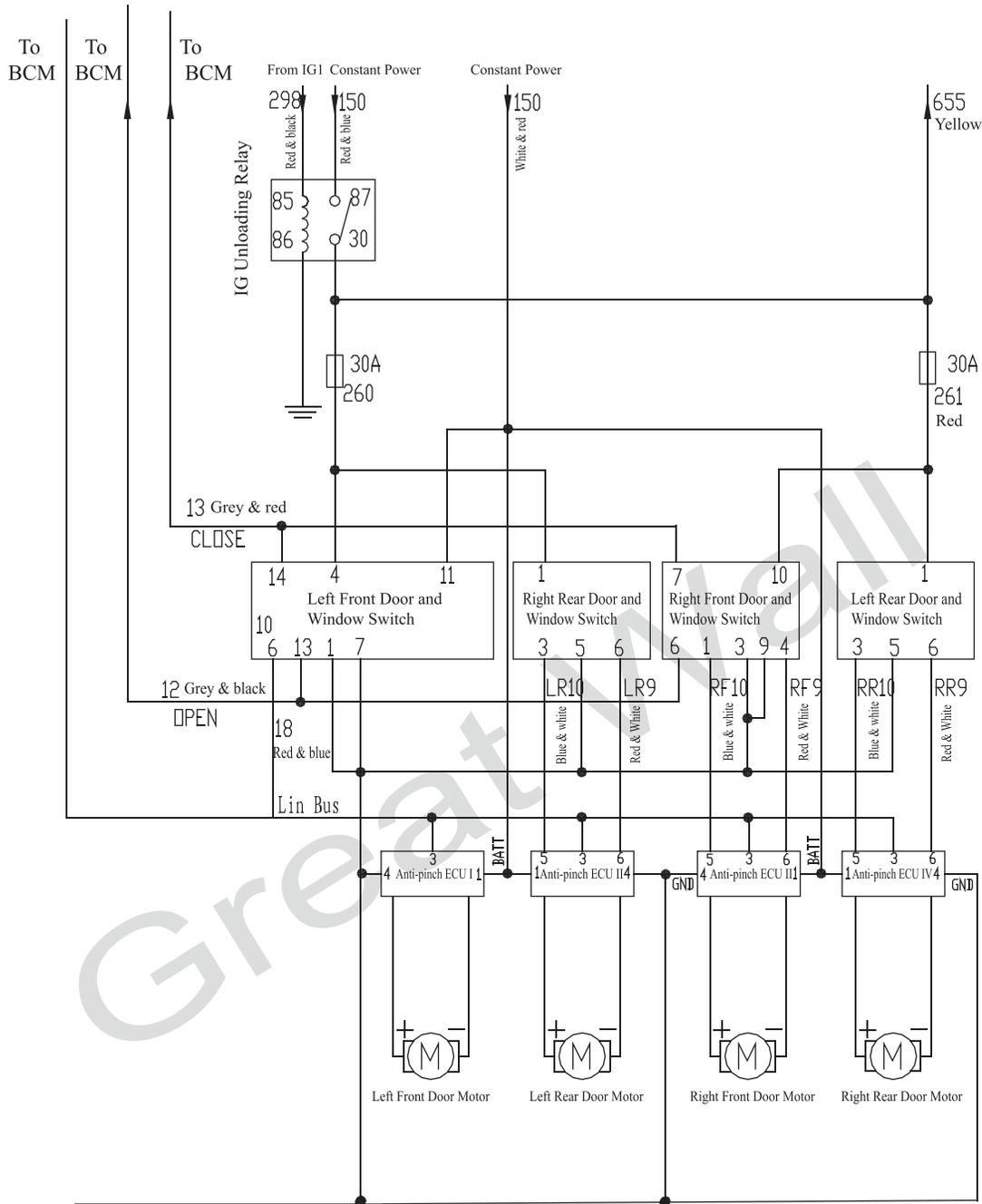
			79C
			0.5
306	88		
0.5	0.5		
R/W	Y/B		

Inner and Outer Cycle Actuator

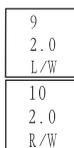
Air Conditioner (4D20 Model)



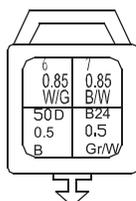
Power Door and Window (with anti-pinch function)



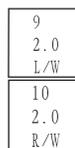
Left Front Door Integrated Door Lock Assembly (Locking Mechanism)



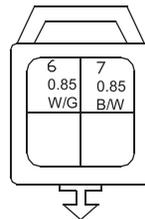
Left Front Regulator (Swing Mechanism)



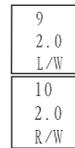
Right Front Door Integrated Door Lock Assembly (Locking Mechanism)



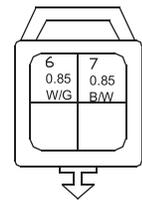
Right Front Regulator (Swing Mechanism)



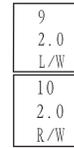
Left Rear Door Integrated Door Lock Assembly (Locking Mechanism)



Left Rear Regulator (Swing Mechanism)



Right Rear Door Integrated Door Lock Assembly (Locking Mechanism) CD-H054



Right Rear Regulator (Swing Mechanism)

18 0.85 R/L	9 2.0 L/W	260 2.0 R/G	X	10 2.0 R/W	50B 2.0 B
12B 0.85 Gr/B	13 0.85 Gr/R				50C 2.0 B

Left Front Regulator Switch
CD-H033
(without anti-pinch function)

9 2.0 L/W	50B 2.0 B	X	10 2.0 R/W
261 2.0 R	50C 2.0 B	13 0.5 Gr/R	12 0.5 Gr/B

Right Front Regulator Switch
(with anti-pinch function)

9 2.0 L/W	50C 2.0 B	260 2.0 R/G	10 2.0 R/W
-----------------	-----------------	-------------------	------------------

Left Rear Regulator Switch
CD-H034
(with anti-pinch function)

18 0.85 R/L	X	10 2.0 R/W
9 2.0 L/W	50 2.0 B	261 2.0 R

Right Rear Regulator Switch
CD-H034
(without anti-pinch function)

6 18 0.85 R/L		260 2.0 R/G	X		1 50B 2.0 B
13 0.85 Gr/R	12B 0.85 Gr/B	155 2.0 W/R	19 0.5 V		50C 2.0 B
14					7

Left Front Regulator Switch
CD-H033
(with anti-pinch function)

9 2.0 L/W	50B 2.0 B	X	261 2.0 R	10 2.0 R/W
	50C 2.0 B	13 0.5 Gr/R	12 0.5 Gr/B	18 0.85 R/L

Right Front Regulator Switch
CD-H032
(without anti-pinch function)

18 0.85 R/L	X	
9 2.0 L/W	50C 2.0 B	260 2.0 R/G
		10 2.0 R/W

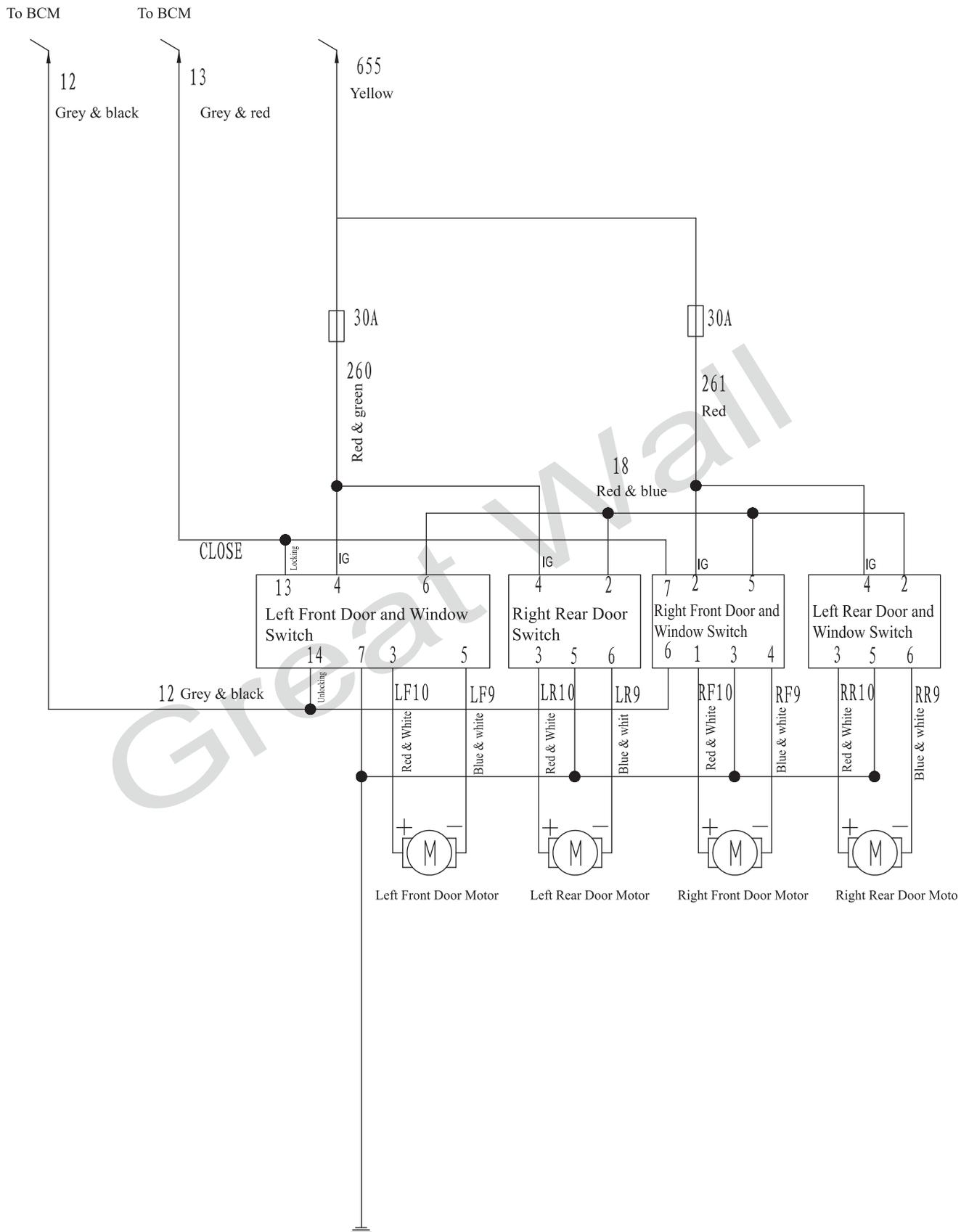
Left Rear Regulator Switch
CD-H034
(without anti-pinch function)

X	261 2.0 R
9 2.0 L/W	50 2.0 B
	10 2.0 R/W

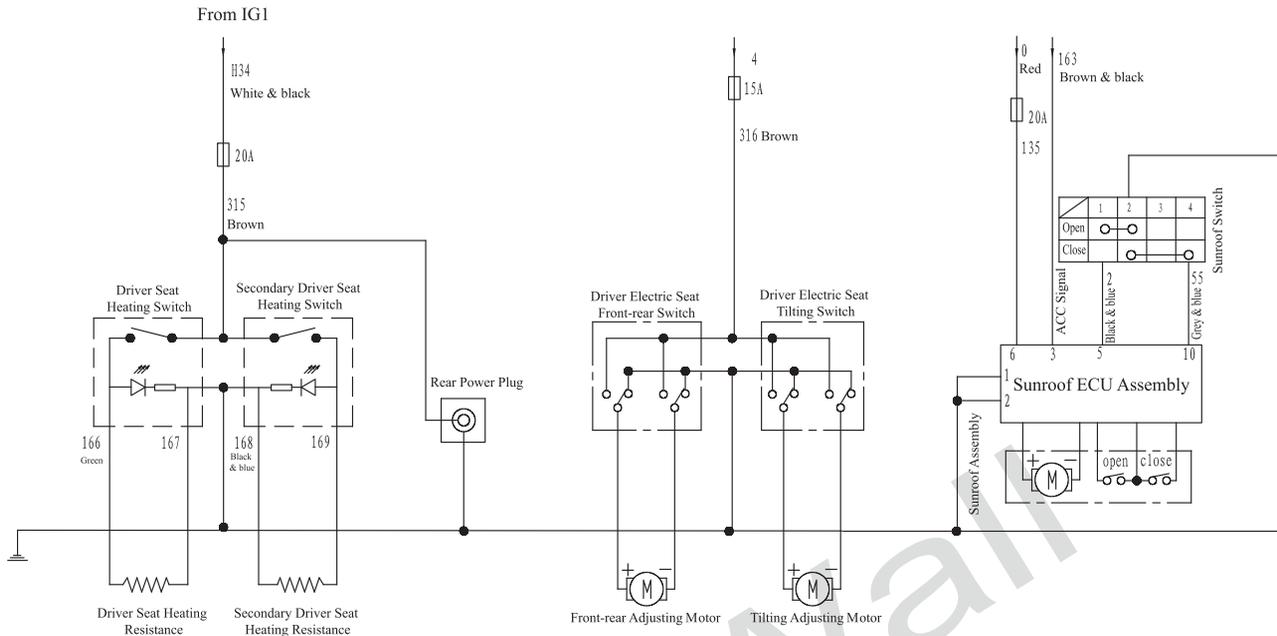
Right Rear Regulator Switch
(with anti-pinch function)

Great Wall

Power Door and Window (without anti-pinch function)



Power Electric Heating Seats Power Socket Sunroof



- | | |
|-----|-----|
| 316 | 50J |
| 2.0 | 2.0 |
| Br | B |
- Electric Seat
CD-H004
- | | |
|-----|-----|
| 166 | 50 |
| 2.0 | B |
| G | 2.0 |
- Driver
Seat Heating
- | | |
|-----|-----|
| 168 | 50 |
| 2.0 | B |
| BL | 2.0 |
- Secondary Driver
Seat Heating
DJ7022-6.3-21
- | | | |
|------|--------|-------|
| 166 | 168 | 315D |
| 2.0G | 2.0B/L | 2.0Br |
| 50D | 45 | |
| 2.0B | 0.5 | |
| | G/P | |
- Connecting Seat
Heating Switch

Central Door Lock

Function Introduction

1. Locking

Body control mechanism will implement the locking function under the following conditions.

(a) Locking by Remote Key

Body control mechanism has received the "Locking by Remote Key" command successfully, and all doors are closed.

(b) Locking Door by Speed Sensing

When vehicle speed is up to the scalable speed (with 15km/h as its initial value), the current door lock state is "unlocked", and all doors are closed.

(c) Automatic Defense

If no key has been inserted in the ignition lock, and when unlocking doors remotely, locking is implemented when all doors do not show any action.

(d) Central Control Switch Locking

When locking by pressing the main control locking switch, all doors are locked by the body control mechanism.

(e) Manual Locking by Key

Rotate the driver's door key to the locking position.

2. Unlock

Body control mechanism will implement the unlocking function under the following conditions.

(a) Unlocking by Remote Key

Body control mechanism has received the "Unlocking by Remote Key" command successfully.

(b) Unlocking by Collision

When ignition switch is at the ON or START position, body control mechanism will unlock for five times within three seconds after any collision signal has been received;

When ignition switch is at the ON or START position, body control mechanism will unlock for five times within three seconds after any abnormal airbag signal has been detected.

Special notice: locking is unavailable when the unlocking signal from airbag collision is invalid, then, the ignition switch is required to be rotated from LOCK to ON then to LOCK continuously, so as to restart the locking function.

(c) Central Control Switch Unlocking

When unlocking by pressing the central control unlocking switch, all doors will be unlocked by the body control mechanism.

(d) Manual Unlocking by Key

Rotate the driver's door key to the unlocking position.

(e) Unlocking by Pulling out the Key

When the current central door lock state is "Locked", and the key is transformed to the "Pull out" state from the "Inserted" state, unlock.

3. Anti-mislocking Function

Door lock is under the "Locked" state, then, any door, from the "opened" state to the "closed" state, unlocking action will be conducted once.

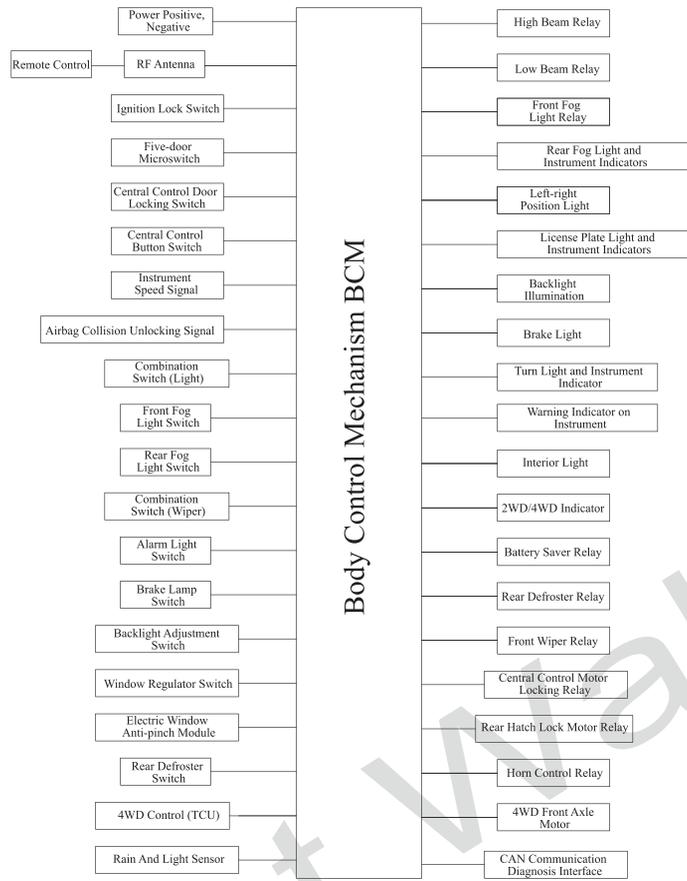
Body Control Mechanism

Function Description

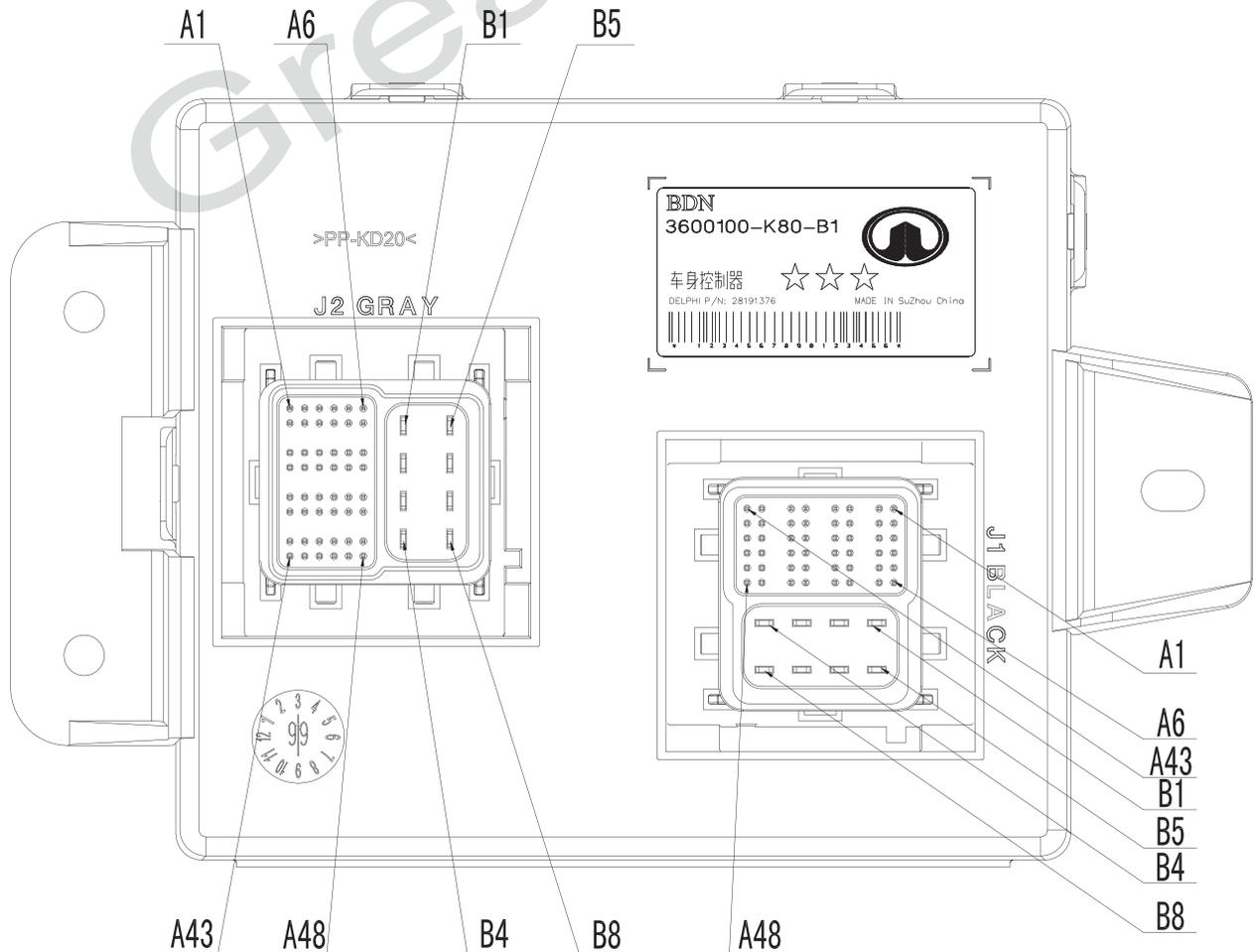
Body Control Mechanism (BCM) realizes the intelligent control and functions of body electric apparatus, including the following content in details:

- Working of exterior and interior lights, such as the high-beam and low-beam lights, sidelight, license plate light, front and rear fog lights, brake light, hazard warning light, turn light, door light, ceiling light and foot light are realized by operating their switches.
Relevant tips are given by instrument cluster. And such lighting functions as Automatic Lighting, Follow Home, Follow Vehicle are realized by rain and light sensors and the corresponding logics;
- For off-line configured vehicles, high-speed, low-speed and interval logic control of wiper can be realized by operating the wiper switch, and automatic wiper function can be realized with the cooperation of rain and light sensors.
- Remote control function, that is, the locking, window closing and vehicle finding functions can be realized by the three remote control buttons;
- Central door lock control, back door unlocking, unlocking by collision, automatic locking when speed is higher than 15km/h, and anti-mislocking can be realized;
- Remote window closing is realized by pressing the locking button for long; functions as anti-pinch, horn alarming and prompting functions are available;
- Electric four-wheel-drive front axle control and 4WD indicator prompting functions are available;
- The system is provided with such functions as power management, high and low voltage protection, delayed breaking off and system dormancy.

System Composition



BCM Interface Definition View and Pin Definition



No.	Pin No.	PIN Definition	I/O Characteristics
1	J1-B1	BCM_PWR	Power
		Body Control Mechanism Power Supply	
2	J1-B2	Rear_Brake_Light	O-H(P)
		Rear Brake Light	
3	J1-B3	Daytime_Running_Light	O-H(P)
		Daytime Running Light	
4	J1-B4	BCM_GND	Ground
		Ground	
5	J1-B5	Rear_Fog_Light	O-H(P)
		Rear Fog Light	
6	J1-B6	Turn_Light_Right	O-H(P)
		Right Turn Light	
7	J1-B7	Turn_Light_Left	O-H(P)
		Left Turn Light	
8	J1-B8	HZ_PWR	Power
		Turn Light Power Supply	
9	J1-A1	2WD_4WD_Indicator	O-L
		2WD/4WD Indicator	
10	J1-A2	Hazard_Indicator	O-H
		Hazard Indicator on Switch	
12	J1-A4	Backlight_Illumination	O-H(P)
		Backlight Illumination	
13	J1-A5	Position_Light_Left	O-H(P)
		Left Position Light	
14	J1-A6	Position_Light_Right	O-H(P)
		Right Position Light	
15	J1-A7	Rear_Defroster_Relay	O-L
		Rear Defroster Relay	
16	J1-A8	Front_Wiper_Power_Relay	O-L
		Front Wiper Power Relay	
17	J1-A9	Door Status indicator	O-L
		Door Status indicator on Instrument	
18	J1-A10	Horn_Control_Relay	O-L
		Horn Control Relay	
19	J1-A11	Low_Beam_Relay	O-L
		Low Beam Relay	
21	J1-A13	Trunk_Unlock_Relay	O-L
		Rear Hatch Unlock Relay	
22	J1-A14	High_Beam_Relay	O-L
		High Beam Relay	
23	J1-A15	Front_Wiper_Speed_Relay	O-L
		Front Wiper Speed Relay	
24	J1-A16	Door_Lock_Relay	O-L
		Central Control Locking Relay	
25	J1-A17	Door_Unlock_Relay	O-L
		Central Control Unocking Relay	
26	J1-A18	Battery_Saver_Relay	O-L
		Battery Saver Relay	
27	J1-A19	License_Plate_Light_Relay	O-H
		License Plate Light Relay	
28	J1-A20	Front_Fog_Light_Relay	O-L
		Front Fog Light Relay	

45	J1-A37	LIN1	Comm
47	J1-A39	HS_CAN (H)	Comm
49	J1-A41	Backlight_adjust_Sw Backlight Adjustment Switch	I-A
51	J1-A43	LIN2	Comm
53	J1-A45	HS_CAN (L)	Comm
56	J1-A48	Hazard_Light_Sw Hazard Warning Light Switch	I-D-L
57	J2-B1	2WD_4WD_Transfer_B 2WD/4WD Transfer B	In-Relay
58	J2-B2	RLY_PWR Internal Relay Power	Power
60	J2-B4	BCM_GND	Ground
61	J2-B5	2WD_4WD_Transfer_A 2WD/4WD Transfer A	In-Relay
62	J2-B6	BCM_GND	Ground
63	J2-B7	Front_Wash_Motor Front Wash Motor	O-H
64	J2-B8	Interior_Light Interior Light	O-L
65	J2-A1	Turn_Left_Light_Sw Left Turn Light Switch	I-D-L
66	J2-A2	FL_Door_Ajar Left Front Door Microswitch	I-D-L
67	J2-A3	FR_Door_Ajar Right Front Door Microswitch	I-D-L
68	J2-A4	RL_Door_Ajar Left Rear Door Microswitch	I-D-L
69	J2-A5	Light_Sw_Position Position Light Switch	I-D-L
70	J2-A6	Light_Sw_Auto Light Switch Automatic Position	I-D-L
71	J2-A7	Trunk_Ajar Rear Hatch Microswitch	I-D-L
72	J2-A8	RR_Door_Ajar Right Rear Door Microswitch	I-D-L
73	J2-A9	Turn_Right_Light_Sw Right Turn Light Switch	I-D-L
75	J2-A11	Light_Sw_HighBeam High-beam Light Switch	I-D-L
76	J2-A12	Front_Wiper_Sw_Auto Front Wiper Switch Automatic Position	I-D-L
77	J2-A13	Front_Wiper_Sw_Low Front Wiper Switch Low-speed Position	I-D-L
78	J2-A14	Master_Lock_Sw Central Control Locking Switch	I-D-L
80	J2-A16	Front_Washer_Sw Front Washer Switch	I-D-L
81	J2-A17	2WD_4WD_Pos_FB 2WD/4WD Position Feedback	I-D-L
82	J2-A18	Rear_Defroster_Sw Rear Defroster Switch	I-D-L
83	J2-A19	2WD_4WD_Select_Sw 2WD/4WD Select Switch	I-D-L

84	J2-A20	Trunk_Release_Sw	I-D-L
		Rear Hatch Release Switch	
87	J2-A23	Front_Wiper_Sw_High	I-D-L
		Front Wiper High-speed Switch	
88	J2-A24	Rear_Fog_Light_Sw	I-D-L
		Rear Fog Light Switch	
89	J2-A25	Brake_Pedal_Sw	I-D-H
		Brake Pedal Switch	
90	J2-A26	ACC	I-D-H
91	J2-A27	ON	I-D-H
93	J2-A29	Key_Inserted_Sw	I-D-L
		Key Inserted Detection Switch	
95	J2-A31	Post_Crash_Input	I-D-L
		Collision Unlocking Signal	
96	J2-A32	Light_Sw_LowBeam	I-D-L
		Low-beam Light Switch	
97	J2-A33	Master_Unlock_Sw	I-D-L
		Central Control Unlocking Switch	
98	J2-A34	Front_Fog_Light_Sw	I-D-L
		Front Fog Light Switch	
99	J2-A35	START	I-D-H
101	J2-A37	Brake_Pedal_Fuse_FB	I-D-H
		Brake Pedal Fuse Feedback	
103	J2-A39	Front_Wiper_Park_Sw	I-D-L
		Front Wiper Park Switch	
107	J2-A43	RF_Antenna	Comm
		Antenna	
108	J2-A44	Key_Cylinder_Sw	I-D-L
		Driver-side Door Key Switch	
110	J2-A46	Vehicle_Speed_Input	I-D-L
		Vehicle Speed Signal	

Input/Output (shortened)	English	Chinese Explanation
O-H(-P)	Output, High-Side Driver (Power = High current)	High-side driver output, P represents high power, namely high current
O-L(-P)	Output, Low-Side Driver (Power = High current)	Low-side driver output, P represents high power, namely high current
I-A	Input, Analog	Analog Input
I-D-L	Input, Digital, Active Low	Digital input is low, with internal pull-up
I-D-H	Input, Digital, Active High	Digital input is high, without internal pull-up
-WU	Wake-up input	Wake-up Input
-	N/A	Null, not used
In-Relay	Internal Relay	Internal Relay
Comm	Communication Port	Communication Port

Index of Fault Information

Pin Pin No.	Fault Description	Pin Pin No.	Fault Description
J1-A1	2WD/4WD indicator is short to ground or with open circuit	J1-B6	One 21W bulb of right turn light is invalid
	2WD/4WD indicator is short to power supply		Right turn light is with open circuit
J1-A2	Hazard warning light indicator is short to power supply or with open circuit	J1-B7	Right turn light is overloaded or short to ground
	Hazard warning light indicator is short to ground		One 21W bulb of left turn lights is invalid
J2-B7	Front wash motor output is with open circuit	J1-B8	Left turn light is with open circuit
	Front wash motor output is short to power supply		Left turn light is overloaded or short to ground
	Front wash motor output is short to ground	J1-B8	Hazard power supply voltage is too low
J1-A5	Left position light is short to power supply or with open circuit	J2-B2	Hazard power supply voltage is too high
	Left position light is short to power supply		RLY power supply is with open circuit or invalid internal relay
	Left position light is short to ground or with open circuit	J2-B7	Switch backlight is short to power supply or with open circuit
J1-A6	Right position light is short to power supply or with open circuit		Switch backlight is short to power supply
	Right position light is short to power supply	Switch backlight is short to ground or overloaded	
	Right position light is short to ground or with open circuit	J2-B8	Interior light output is short to power supply or with open circuit
J1-A7	Rear fog light is short to ground or with open circuit		Interior light output is short to power supply or overloaded
	Rear fog light is short to power supply	N/A	Anti-pinch module has no match
J1-A8	Front wiper power relay is short to ground or with open circuit	J1-A19	License plate light output is short to power supply or with open circuit
	Front wiper power relay is short to power supply		License plate light output is short to ground
J1-A9	Door status indicator is short to power supply or with open circuit	N/A	Hall sensor of left rear anti-pinch module is invalid
	Door status indicator is short to ground	N/A	Relay of left rear anti-pinch module is invalid
J1-A10	Horn relay is short to ground or with open circuit	N/A	Hall sensor of right rear anti-pinch module is invalid
	Horn relay is short to power supply	N/A	Relay of right rear anti-pinch module is invalid
J1-A11	Low-beam light relay is short to ground or with open circuit	N/A	Hall sensor of left front anti-pinch module is invalid
	Low-beam light relay is short to power supply	N/A	Relay of left front anti-pinch module is invalid
J1-A13	Rear door unlocking relay is short to ground or with open circuit	N/A	Hall sensor of right front anti-pinch module is invalid
	Rear door unlocking relay is short to power supply	N/A	Relay of right front anti-pinch module is invalid
J1-A14	High-beam light relay is short to ground or with open circuit	N/A	Left rear control switch of master switch is invalid
	High-beam light relay is short to power supply	N/A	Right rear control switch of master switch is invalid
J1-A15	Front wiper speed relay is short to ground or with open circuit	N/A	Left front control switch of master switch is invalid
	Front wiper speed relay is short to power supply	N/A	Right front control switch of master switch is invalid
J1-A16	Central control door locking relay is short to ground or with open circuit	N/A	Hardware of rain sensor module is invalid
	Central control door locking relay is short to power supply	N/A	Sensor of rain sensor module is invalid
J1-A17	Central control door unlocking relay is short to ground or with open circuit	N/A	Temperature of rain sensor module is invalid
	Central control door unlocking relay is short to power supply	N/A	Initialization of rain sensor module is failed
J1-A18	Battery saver relay is short to ground or with open circuit	N/A	Power supply voltage of rain sensor module is invalid
	Battery saver relay is short to power supply	N/A	No response to LIN signal of left rear anti-pinch module
J1-A20	Front fog light relay is short to ground or with open circuit	N/A	No response to LIN signal of right rear anti-pinch module
	Front fog light relay is short to power supply	N/A	No response to LIN signal of left front anti-pinch module
J1-A37	LIN communication channel 1 is short to ground	N/A	No response to LIN signal of right front anti-pinch module
J1-A43	LIN communication channel 2 is short to ground	N/A	No response to LIN signal of rain sensor module
J2-A17	2WD/4WD Transfer is unable to be in place	N/A	No response to LIN signal of master switch
J2-A31	Collision signal input waveform is invalid	N/A	LIN signal of rain sensor module is wrongly received
J2-A37	Brake pedal fuse is with open circuit	N/A	LIN signal of left rear anti-pinch module is wrongly received
J2-A39	Rotation of front wiper motor is stuck	N/A	LIN signal of right rear anti-pinch module is wrongly received
J1-B1	BCM power supply voltage is too low	N/A	LIN signal of left front anti-pinch module is wrongly received
	BCM power supply voltage is too high	N/A	LIN signal of right front anti-pinch module is wrongly received
J1-B2	Rear brake light is short to power supply or with open circuit	N/A	LIN signal of master switch is wrongly received
	Rear brake light is short to power supply		
	Rear brake light is short to ground or overloaded		
J1-B5	Rear fog light is short to power supply or with open circuit		
	Rear fog light is short to power supply		
	Rear fog light is short to ground or overloaded		

Maintenance Guidance

1. System Diagnosis

Connect X431 to the vehicle diagnosis port, rotate the ignition switch from LOCK to ON position, read fault codes from the fault code reading interface, and recognize if body control mechanism is normal, so as to show the fault repair range.

2. Fault Code Clearing

X431 enters the fault clearing interface to clear fault codes by operation, and the ignition switch is turned to LOCK from ON. Real fault codes still exist.

3. Action Test

X431 enters the off-line action interface to force the output mechanism to work by operation, thus distinguishing input problems from output faults.

4. Data Flow Reading

X431 enters data flow reading interface to check each input or output status by operation, thus helping to analyze problems.

Repair Notice

1. Familiar with system composition.

2. Do not connect uncertain dummy load at will.

3. Do not jumper wires at will.

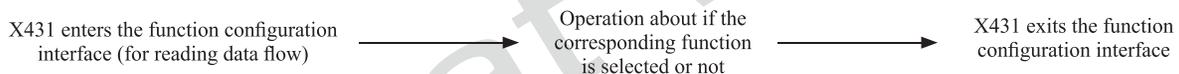
4. Conduct diagnosis, measurement and repair with X431, multimeter and oscilloscope.

5. After finishing repair, it is required to turn the ignition switch from LOCK to ON position, so as to inspect if output of each function is normal.

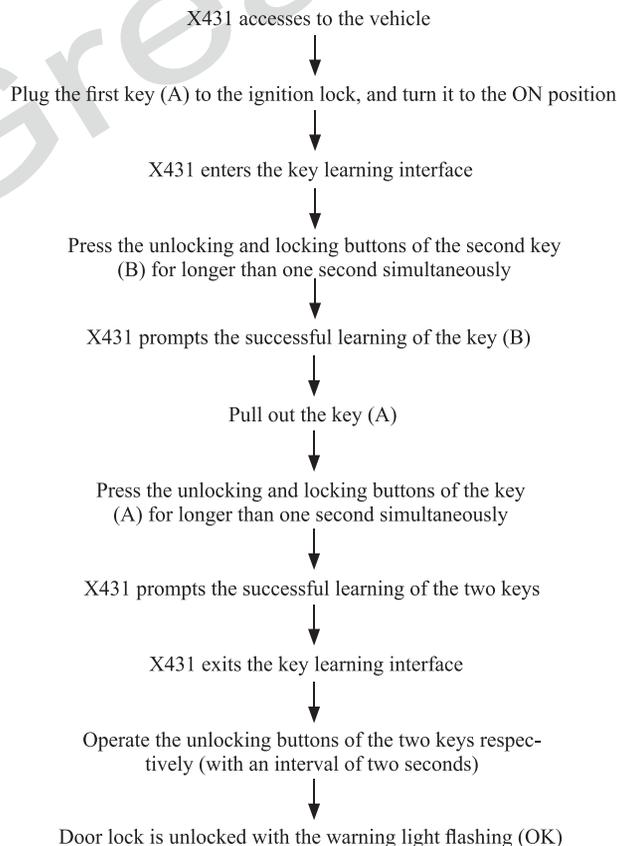
6. Special Notice

(a) After replacement of BCM, it is required to configure vehicle information code by using X431;

(b) BCM includes various functions, so after replacement of BCM, it is necessary to close all unused functions by using X431 on the basis of vehicle configuration in the procedure as follows:



7. When replacing BCM, conduct remote key learning by using X431 in the procedure as follows:



8. When replacing key, it is required to adopt X431 for remote key learning.

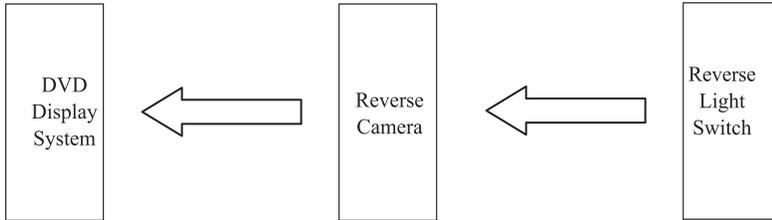
Reversing Image System

Reversing Image System Function

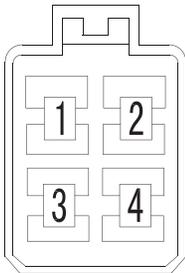
Take images behind the vehicle through camera, then which will be sent to DVD and displayed, supporting the driver to reverse the vehicle.

Note: ignition lock switch is at "ON" position, DVD power is on, and shift lever is at the reverse gear.

Composition of Reversing Image System

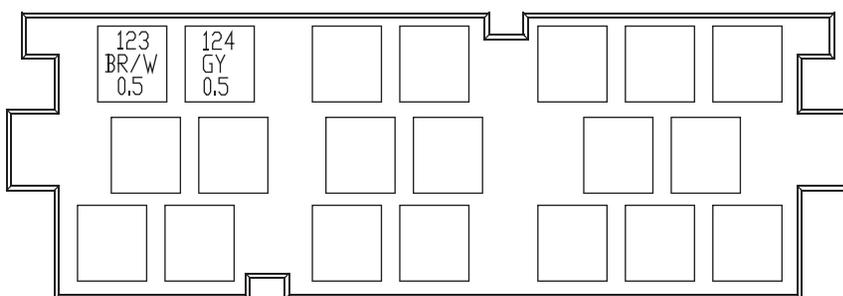
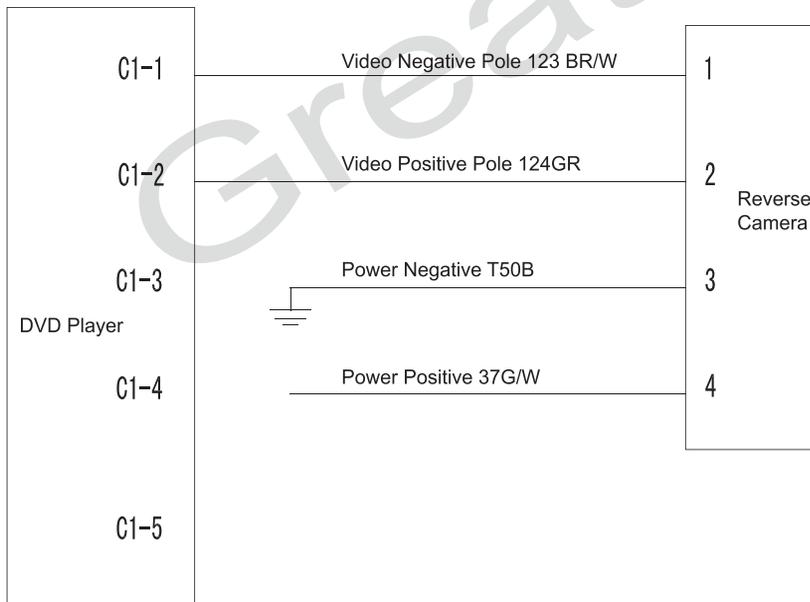


Definition of Camera Port

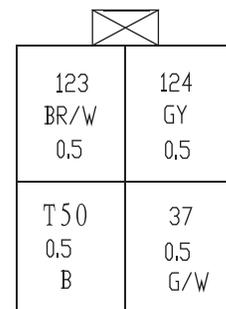


No.	Pin Position Name
1	Video Negative Pole
2	Video Positive Pole
3	Power Negative
4	Power Positive (from Reverse Light)

Wiring Harness Connection Composition and Interface Definition



Connecting DVD



Connecting Reverse Camera

Use Notes

1. When surface of the camera is full of dust or other foreign matters, image effect may be decreased. Please clear them promptly. It is recommended to wipe slightly with soft damp cloth.
2. Do not spray the camera directly by high-pressure water gun.
3. For reversing at night, if it is dark and with no light around, snowflakes may occur to the reversing image due to lack of illumination.

Technical Parameters

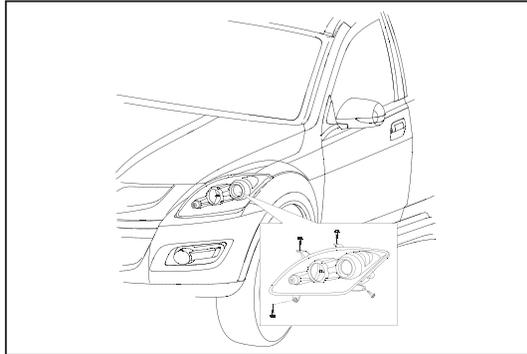
Camera	Working Voltage	(9~16)V DC
	Current Consumption	100mA/MAX
	Working Temperature Range	(-30~80)°C
	Storage Temperature Range	(-40~85)°C
	Image Pixel	300,000 Pixels (color image)
	Signal Amplitude	(1.0±20%)Vpp
	TV System	NTSC
	Video Output Amplitude	1.0Vpp/75Ω
	Video Range	V: (88±5)° H: (115±5)°
	Minimum Illumination	Below 1.5lux
	Color Amplitude Carrier Frequency	3.579545MHz ± 200Hz
	Image Stabilization Time	2Sec/MAX
	Image Resolution	≥300

Lighting System

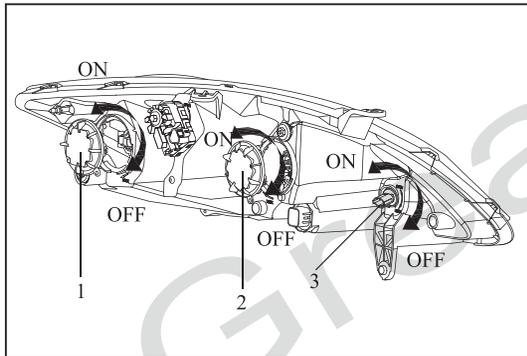
Combination Headlamp Assembly

Replace

1. Separate the wire connectors of the battery negative pole;
2. Remove the front bumper;



3. Unscrew the four bolts securing the combination headlamp, separate the wire connectors of the combination headlamp, and remove the combination headlamp assembly.

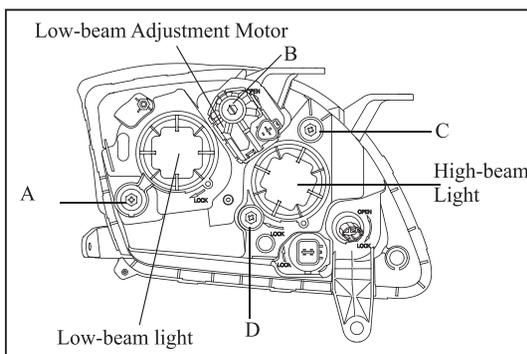
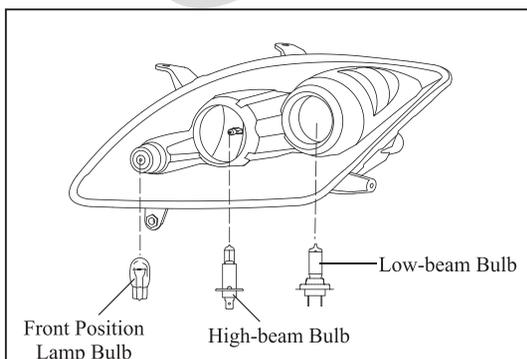


4. Remove the low-beam bulb
 - (a) Open the seal cover by counterclockwise rotation (Figure 1);
 - (b) Pull out the bulb plug;
 - (c) Release the bulb spring, and then remove the bulb.

5. Remove the high-beam bulb
 - (a) Open the seal cover by counterclockwise rotation (Figure 2);
 - (b) Pull out the bulb plug;
 - (c) Release the bulb spring, and then remove the bulb.

6. Remove the front position light bulb
Open the position light bulb stand by counterclockwise rotation, and pull the bulb out from the stand (Figure 3).

7. Mount the combination headlamp assembly
The mounting order of the combination headlamp is opposite to the removal order.



Adjustment

For headlamp aiming adjustment, adjustment of headlamp adjusting screw can help to adjust the headlamp lighting point.

Adjustment Description:

1. Position A refers to the left-right adjusting screw of low beam. Rotate it with a crosshead screwdriver clockwise to make the low beam move rightward, otherwise, leftward;
2. Position B refers to the up-down adjusting screw of low beam. Rotate it with a crosshead screwdriver clockwise to make the low beam move downward, otherwise, upward;

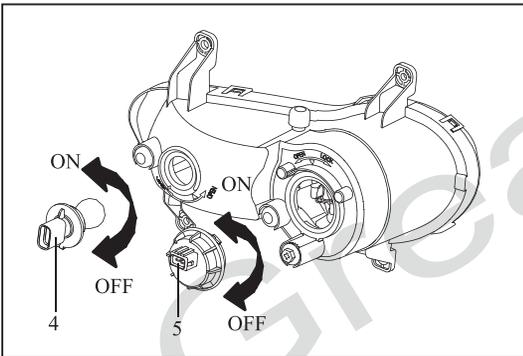
3. Position C refers to the up-down adjusting screw of high beam. Rotate it with a crosshead screwdriver clockwise to make the high beam move downward, otherwise, upward;
4. Position D refers to the left-right adjusting screw of high beam. Rotate it with a crosshead screwdriver clockwise to make the high beam move rightward, otherwise, leftward.

Front Fog and Turn Combination Light Assembly

Replace



1. Separate the wire connectors of the battery negative pole;
2. Unscrew the four securing self-tapping screws, separate the wire connectors of the front fog and turn combination light, and remove the front fog and turn combination light assembly;

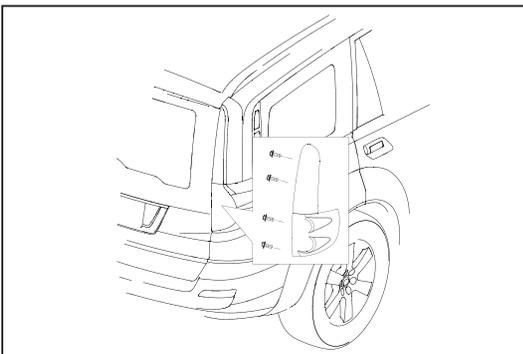


3. Remove the front turn light bulb
 - (a) Open the bulb stand by counterclockwise rotation (Figure 4);
 - (b) Rotate the bulb off from the lamp socket;
4. Remove the front fog light bulb
 - (a) Open the seal cover by counterclockwise rotation (Figure 5);
 - (b) Pull out the bulb plug;
 - (c) Release the bulb spring, and then remove the bulb.
5. Mount the front fog and turn combination light assembly
The mounting order of the front fog and turn combination light assembly is opposite to the removal order.

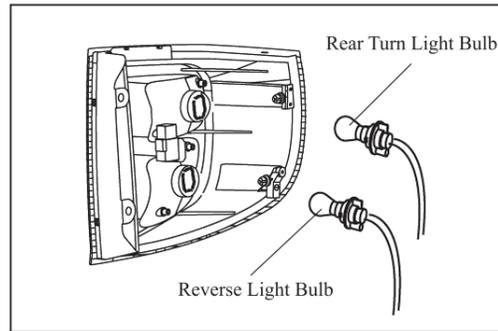
Rear Combination Lamp Assembly

Replace

1. Separate the wire connectors of the battery negative pole;

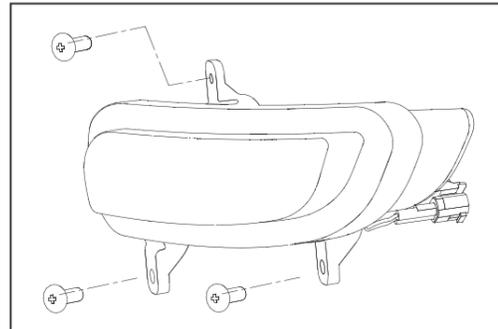


2. Remove the four retaining bolts, separate the wire connectors of rear combination lamp, and remove the upper and lower rear combination lamp assemblies;



3. Remove the rear turn light and reverse light bulbs
 - (a) Rotate the bulb socket counterclockwise;
 - (b) Rotate the bulb off from the lamp socket;

4. Light source of the upper rear combination light is light emitting diode, which is unremovable. When the light source is faulty, the whole light shall be replaced.
5. Mount the rear combination lamp assembly
The mounting order of rear combination lamp is opposite to the removal order.



Rear fog light assembly

Replace

1. Separate the wire connectors of the battery negative pole;
2. Unscrew the three securing self-tapping screws, separate the wire connectors of the rear fog light, and remove the rear fog light assembly;
3. Light source of the rear fog light is light emitting diode, which is unremovable. When the light source is faulty, the whole light shall be replaced.
4. Mount the rear fog light assembly
The mounting order of rear fog light is opposite to the removal order.

Relationship between Wiring Harnesses and Connector Connection Number Chart (4G63/4G69)

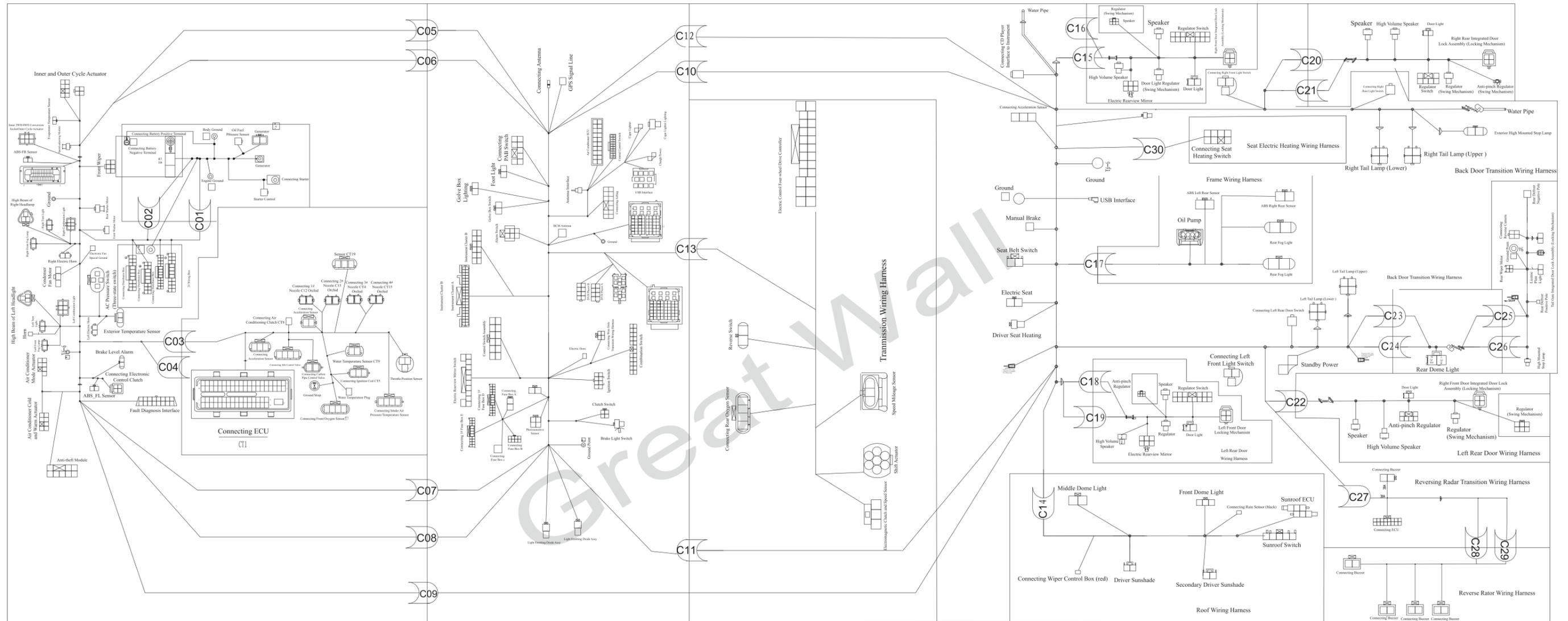
Engine Compartment Wiring Harness

Instrument Wiring Harness

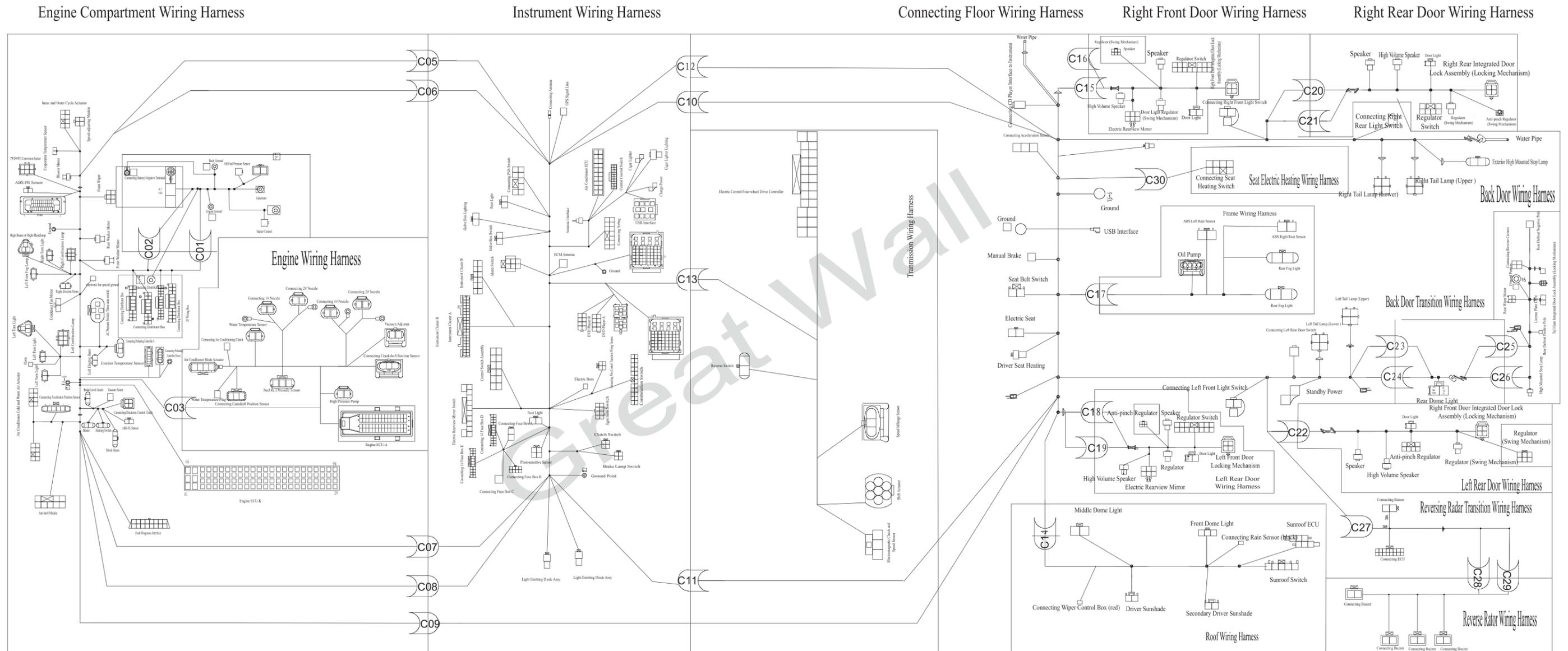
Floor Wiring Harness

Right Front Door Wiring Harness

Right Rear Door Wiring Harness



Relationship between Wiring Harnesses and Connector Connection Number Chart (2.5TCI)



Body Electric Apparatus (K5-4D20 Left Hand Drive)

Function Chart for Numbered Pins of Intermediate	
Connection of Wire Harness	2
Engine Electronic Control System	3
ABS System	5
Airbag Electronic Control System (CAN 4)	6
Instrument Cluster (Circuit Diagram).....	7
Tire Pressure Monitoring System (Circuit Diagram).....	8
Electric Control Four-wheel Drive Intelligent	
Four-wheel Drive Central Control Switch	9
BCM.....	11
Instrument Cluster	13
TPMS (Tire Pressure Monitoring System).....	16
Anti-dazzle Rearview Mirror	22

Great Wall



Function Chart for Numbered Pins of Intermediate Connection of Wire Harness

C13

A39B 0.5 L/G	A42B 0.5 Gr/Y	500 2.0 G	38 0.85 Y	B39A 0.35 Br/B
	106 1.25 L/W	37 0.85 Light Green	67 0.35 L/G	B42A 0.35 Br/G
	516 0.5 Y/L	50 2.0 B	33 0.5 R/B	375 0.35 G/B
548 0.5 Y/G	452 0.5 R/B		302 0.5 Y/W	303 0.5 Y
	45 0.85 G/V	404 0.5 Br		

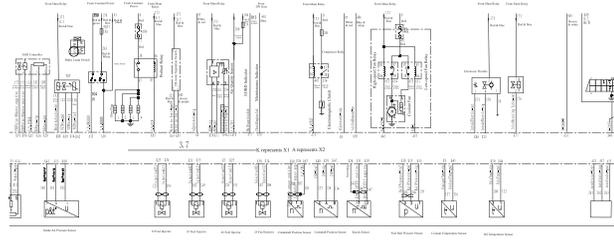
Connecting MT/AT Wiring
Harness Assembly (1)

A39D 0.35 Br/B	38 0.85 Y/G	500 2.0 G	A42A 0.5 Br/G	A39A 0.5 Br/B
A42D 0.35 Br/G	67 0.5 L/G	37 0.85 Light Green	106 1.25 L/W	
375 0.35 G/B	33 0.5 R/B	931 2.0 B	516 0.5 Y/L	
303 0.5 Y	302 0.5 Y/W		452 0.5 R/B	548 0.5 Y/G
		404 0.5 Br	45 0.85 G/V	

Connecting Instrument
Wiring Harness

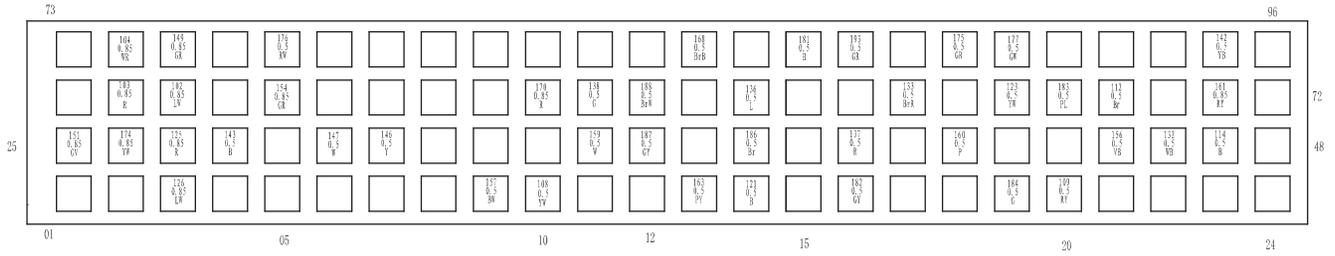
A39B 0.5 Br/B	A42B 0.5 Br/G	500 2.0 G	38 0.85 Y	B39A 0.5 Br/B
515 0.5 Y		37 0.85 Light Green	67 0.35 L/G	B42A 0.5 Br/G
	516 0.5 Y/L	50 2.0 B	511 0.56/B	517 0.85 Gr/Y
			302 0.5 Y/W	505 0.5 L/B
	350 0.5 R/G	39 0.5 Br/G		

Connecting MT/AT Wiring
Harness Assembly (2)

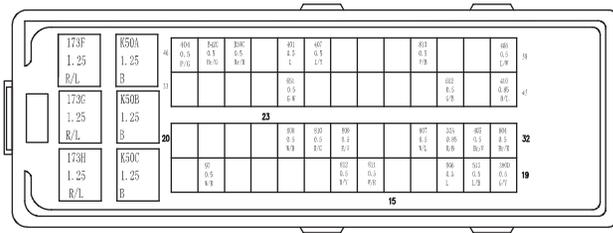


Great Wall

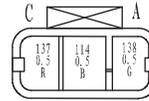
Body Electric Apparatus (K5-4D20 Left Hand Drive) - 4



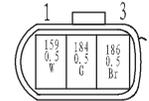
ECU



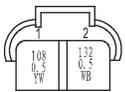
ECU



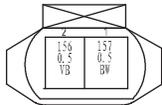
Connecting Camshaft Sensor



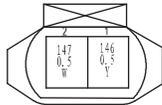
Connecting Rail Pressure Sensor



Connecting Oil Temperature Sensor (green)



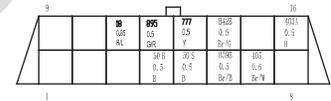
Connecting Water Temperature Sensor



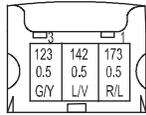
Connecting Knock Sensor



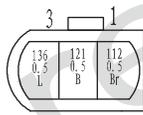
Connecting Accelerator Position Sensor



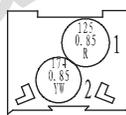
Diagnostic Equipment



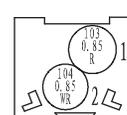
Oil-water Separation Switch



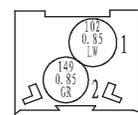
Connecting VGT



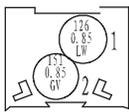
Connecting 1# Nozzle



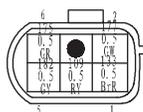
Connecting 2# Nozzle



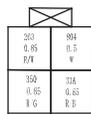
Connecting 3# Nozzle



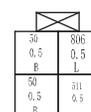
Connecting 4# Nozzle



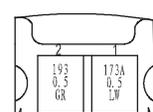
Connecting EGR



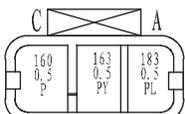
Brake Lamp Switch



Clutch Switch



Connecting Vacuum Valve



Connecting Air Intake pressure sensor



Connecting Glow Plug 1



Connecting Glow Plug 2



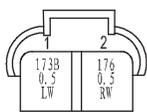
Connecting Glow Plug 3



Connecting Glow Plug 4



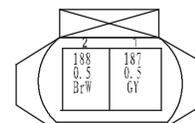
Radiator Fan



Connecting Flow Valve (brown)



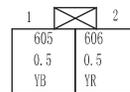
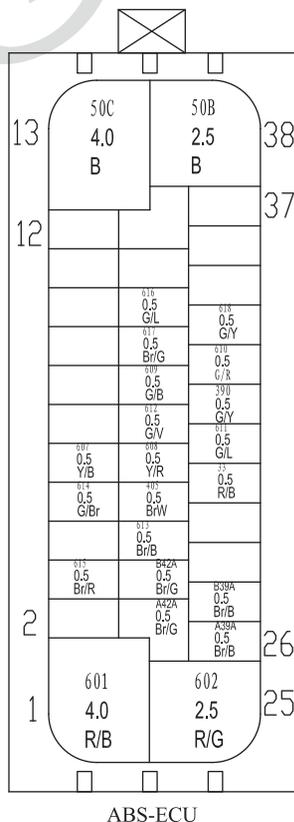
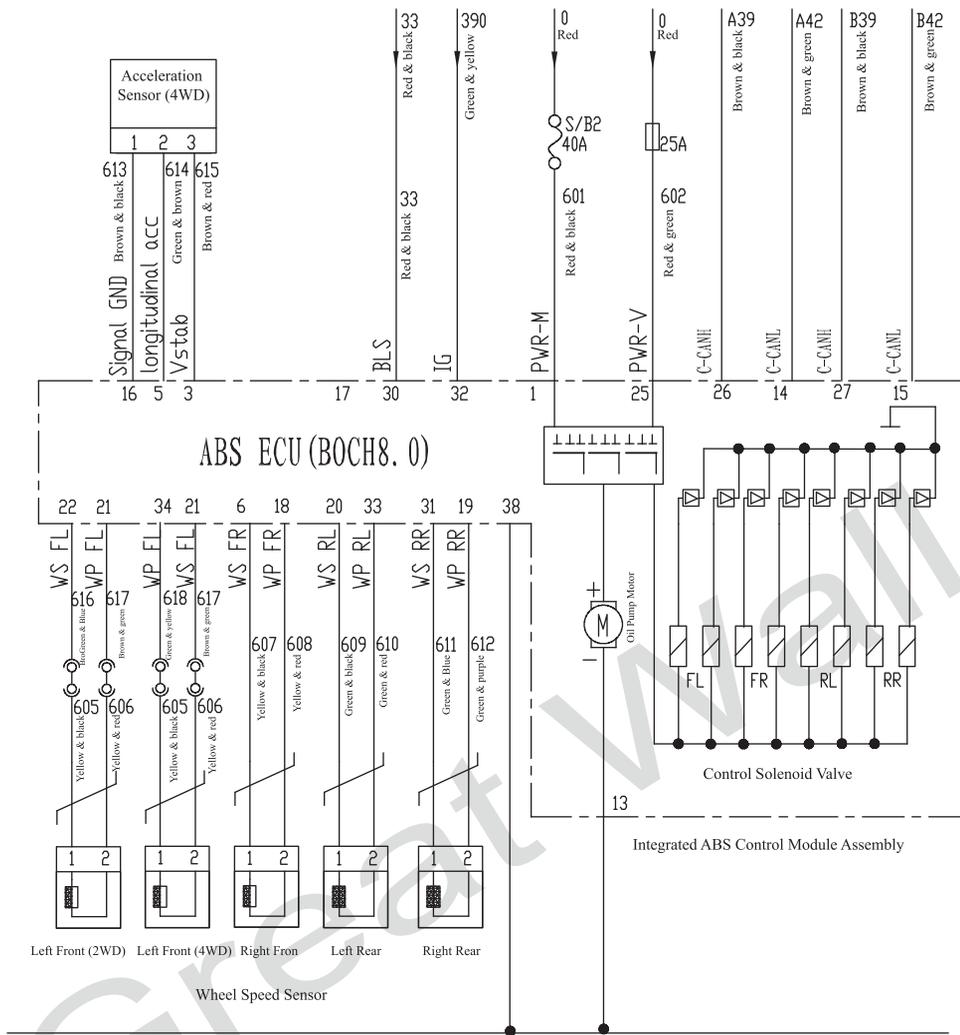
Connecting Air Conditioning Clutch



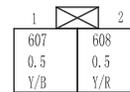
Connecting Crankshaft Position Sensor

ABS System

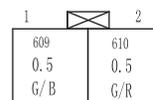
From Brake Switch From ON Gear Constant Power Constant Power



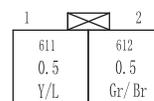
ABS-FL Sensor



ABS-FR Sensor

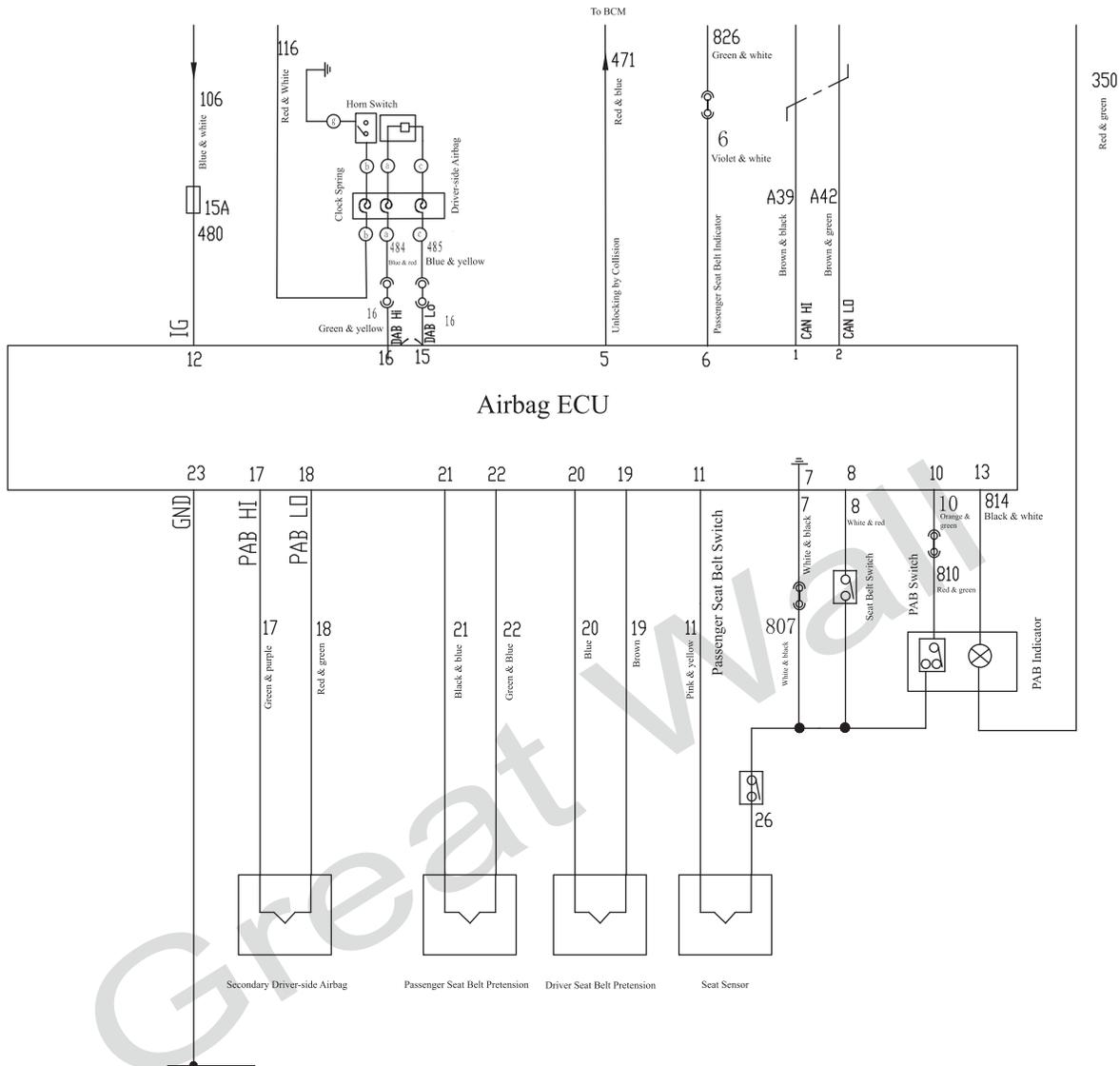


Connecting ABS Left Rear Sensor



Connecting ABS Right Rear Sensor

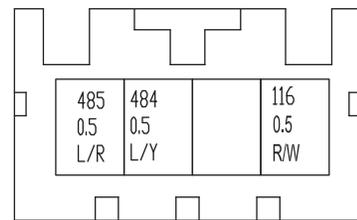
Airbag Electronic Control System (CAN 4)



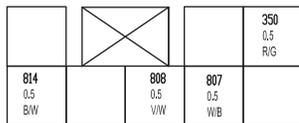
<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>13</td><td>814</td></tr> <tr><td>A39</td><td>0.5</td></tr> <tr><td>Br/B</td><td>B/W</td></tr> <tr><td>A42</td><td>0.5</td></tr> <tr><td>Br/B</td><td></td></tr> <tr><td></td><td>15</td></tr> <tr><td></td><td>0.5</td></tr> <tr><td></td><td>B/Y</td></tr> <tr><td></td><td>16</td></tr> <tr><td></td><td>0.5</td></tr> <tr><td></td><td>G/Y</td></tr> <tr><td>471</td><td>0.5</td></tr> <tr><td>R/L</td><td>G/V</td></tr> <tr><td>6</td><td>0.5</td></tr> <tr><td>V/W</td><td>R/G</td></tr> <tr><td>7</td><td>0.5</td></tr> <tr><td>W/B</td><td>Br</td></tr> <tr><td>8</td><td>0.5</td></tr> <tr><td>W/R</td><td>L</td></tr> <tr><td></td><td>21</td></tr> <tr><td></td><td>0.5</td></tr> <tr><td></td><td>B/L</td></tr> <tr><td>10</td><td>0.5</td></tr> <tr><td>Or/G</td><td>G/L</td></tr> <tr><td>11</td><td>0.5</td></tr> <tr><td>P/Y</td><td>B</td></tr> <tr><td>12</td><td>480</td></tr> <tr><td></td><td>0.75</td></tr> <tr><td></td><td>R</td></tr> </table>	13	814	A39	0.5	Br/B	B/W	A42	0.5	Br/B			15		0.5		B/Y		16		0.5		G/Y	471	0.5	R/L	G/V	6	0.5	V/W	R/G	7	0.5	W/B	Br	8	0.5	W/R	L		21		0.5		B/L	10	0.5	Or/G	G/L	11	0.5	P/Y	B	12	480		0.75		R	<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>24</td><td>814</td></tr> <tr><td></td><td>0.5</td></tr> <tr><td></td><td>R/G</td></tr> <tr><td></td><td>808</td></tr> <tr><td></td><td>0.5</td></tr> <tr><td></td><td>V/W</td></tr> <tr><td></td><td>807</td></tr> <tr><td></td><td>0.5</td></tr> <tr><td></td><td>WB</td></tr> <tr><td></td><td>7</td></tr> <tr><td></td><td>0.5</td></tr> <tr><td></td><td>W/B</td></tr> <tr><td></td><td>26</td></tr> <tr><td></td><td>0.5</td></tr> <tr><td></td><td>L/W</td></tr> <tr><td></td><td>26</td></tr> <tr><td></td><td>0.5</td></tr> <tr><td></td><td>L/W</td></tr> <tr><td></td><td>11</td></tr> <tr><td></td><td>0.5</td></tr> <tr><td></td><td>P/Y</td></tr> <tr><td></td><td>18</td></tr> <tr><td></td><td>0.5</td></tr> <tr><td></td><td>17</td></tr> <tr><td></td><td>0.5</td></tr> </table>	24	814		0.5		R/G		808		0.5		V/W		807		0.5		WB		7		0.5		W/B		26		0.5		L/W		26		0.5		L/W		11		0.5		P/Y		18		0.5		17		0.5
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	V/W			R	R/Y
7	0.5	10	814	471	A39
	W/B	0.5	0.5	0.5	0.5
		Or/G	B/W	R/L	Br/B

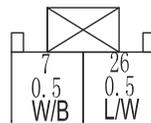
Connecting Instrument Panel and Console Wiring Harness



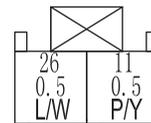
Connecting DAB



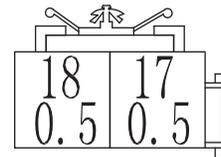
Connecting PAB Switch



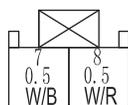
Passenger Seat Belt Switch



Seat Sensor



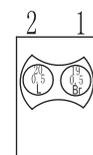
Connecting PAB Generator



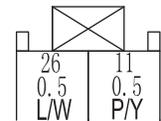
Driver Seat Belt Switch



Pretensioned Seat Belt (yellow)



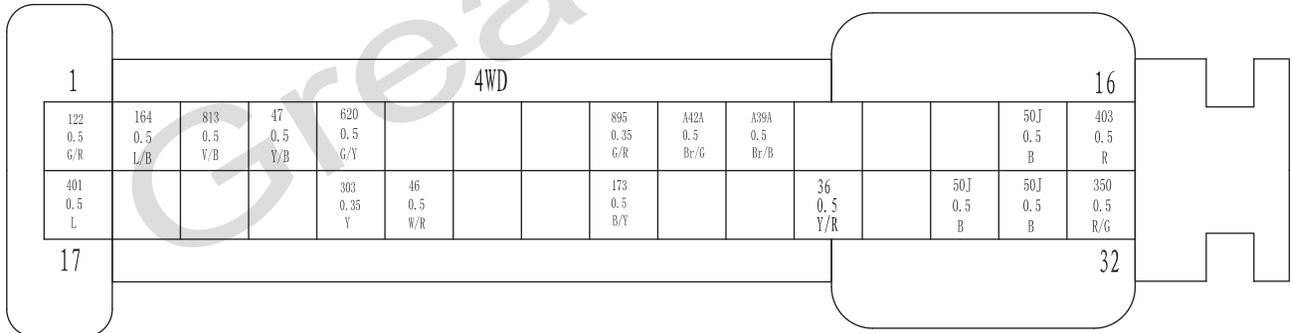
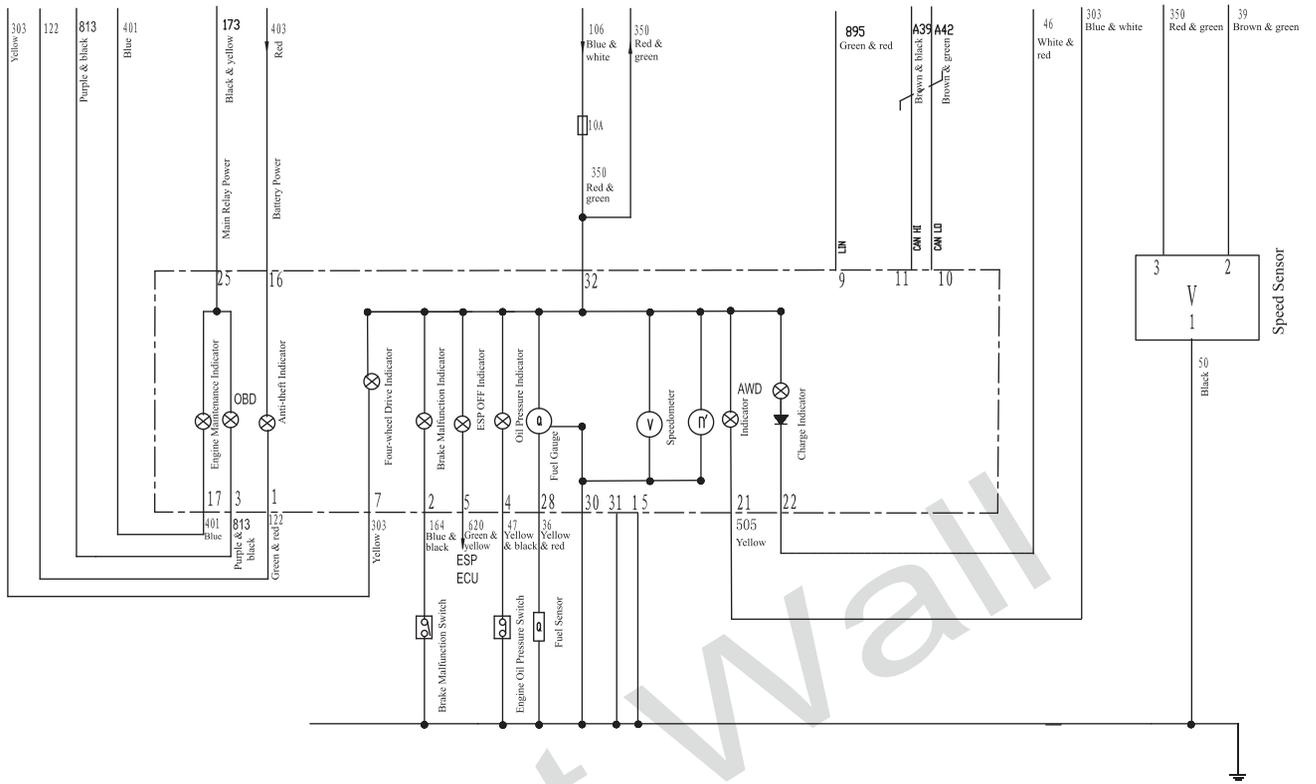
Pretensioned Seat Belt (black)



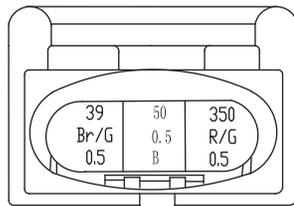
Seat Sensor

Connecting Airbag ECU

Instrument Cluster (Circuit Diagram)



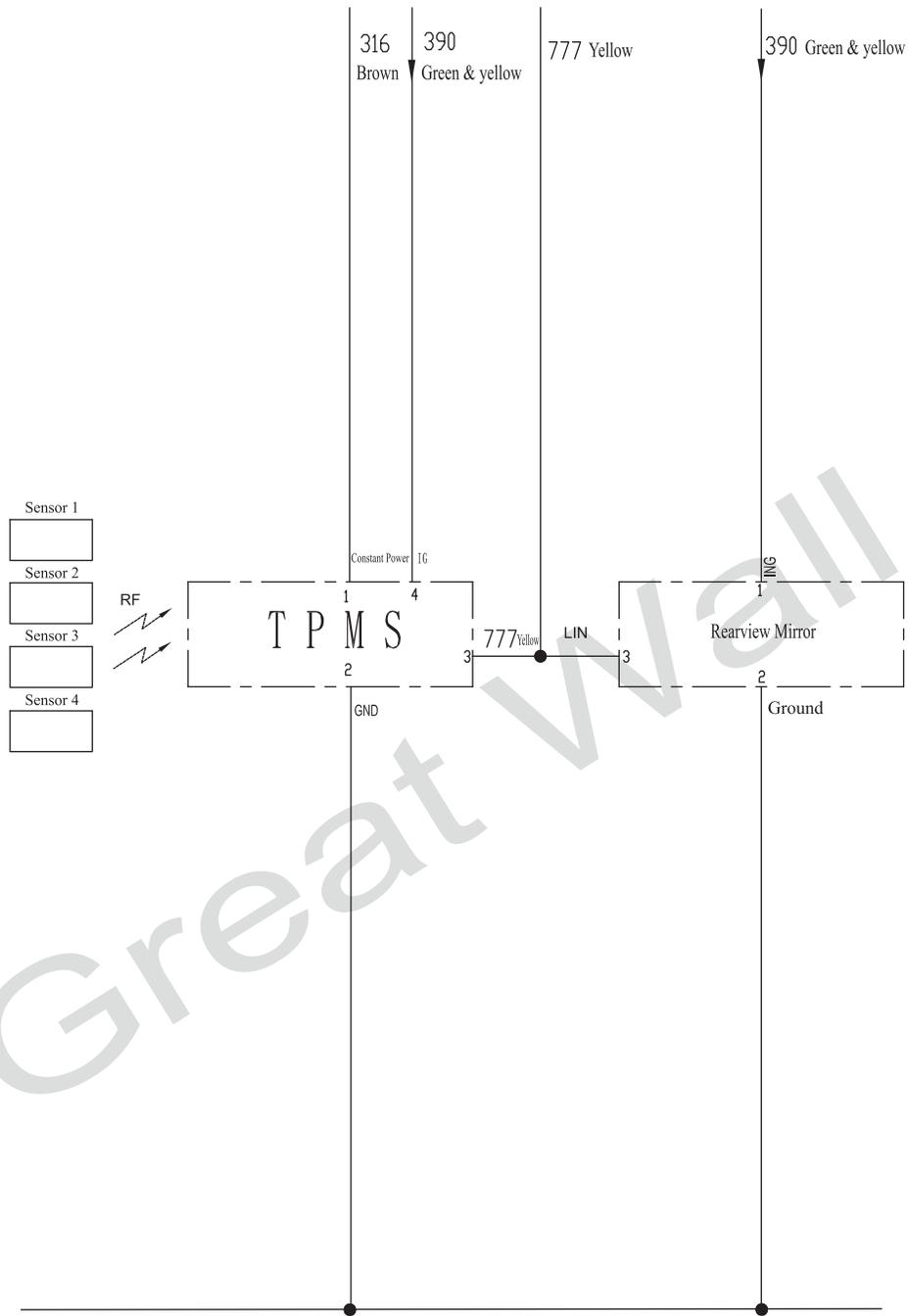
Connecting Instrument Cluster (1)



Connecting Instrument Cluster (2)

Speed Sensor

Tire Pressure Monitoring System (Circuit Diagram)



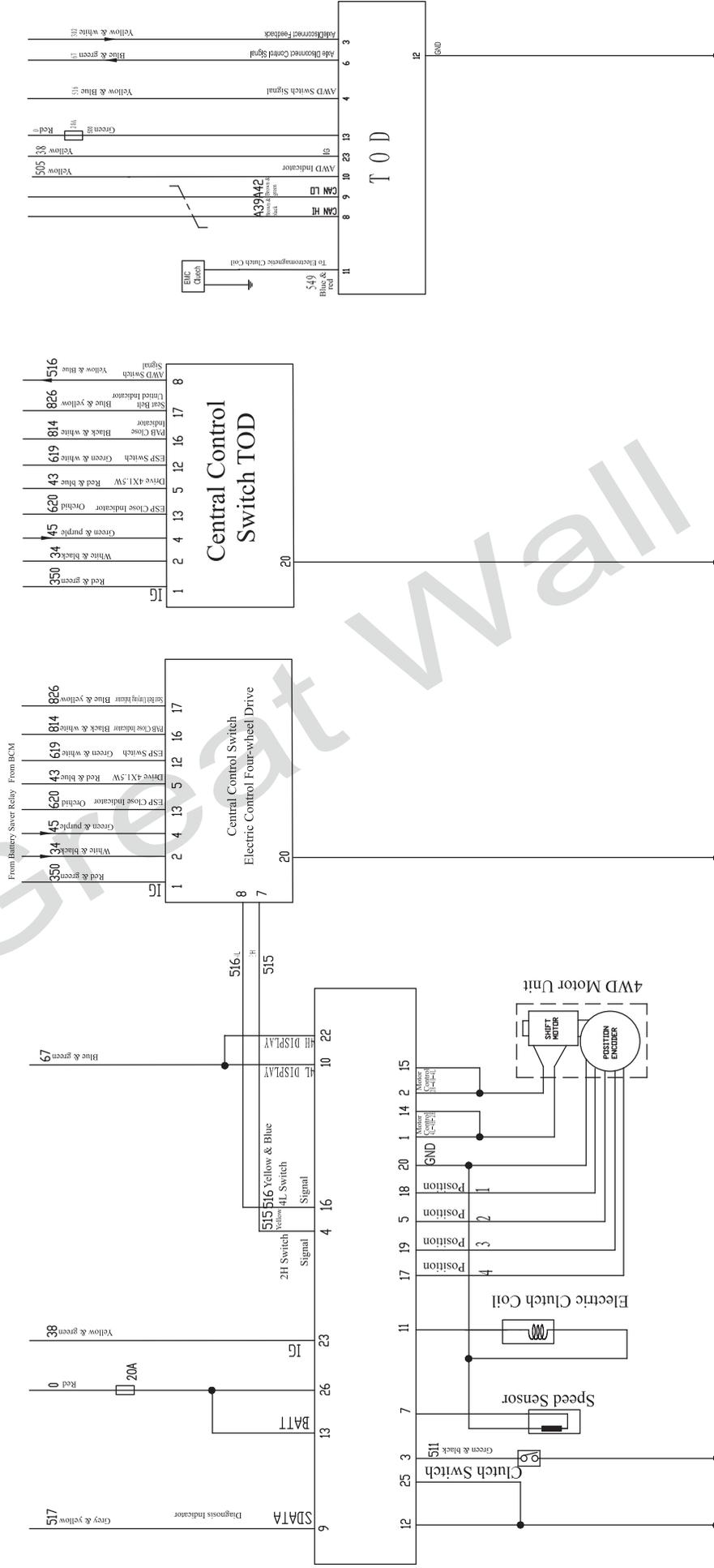
			777 0.5 Y	50D 0.5 B	390 0.5 G/Y
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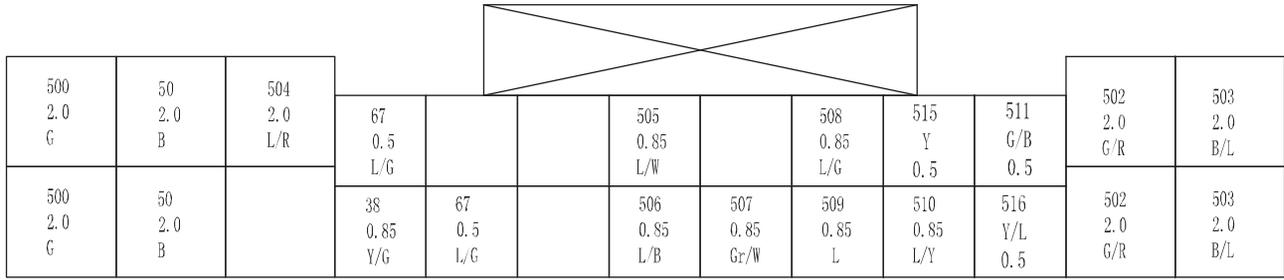
TPMS mirror

316 0.5 Br	50L 0.5 B	777 0.5 Y	390 0.5 G/Y
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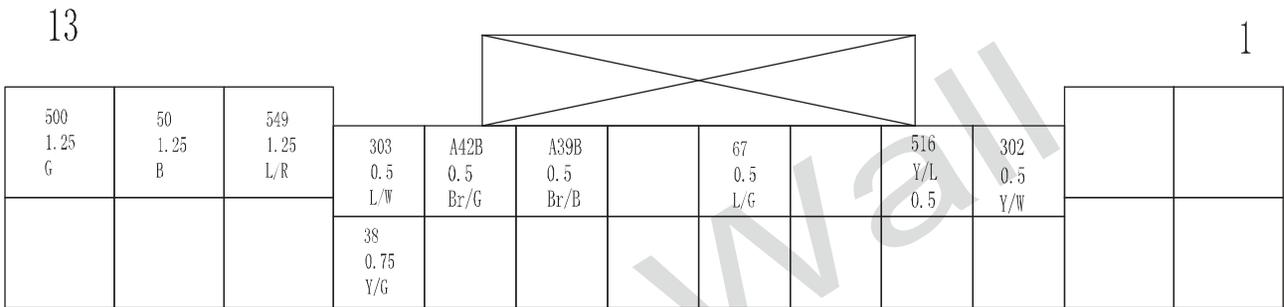
Connecting TPMS

Electric Control Four-wheel Drive Intelligent Four-wheel Drive Central Control Switch

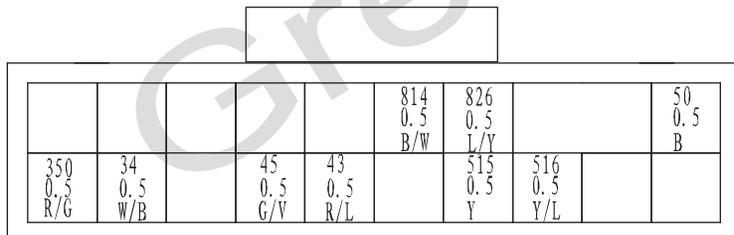




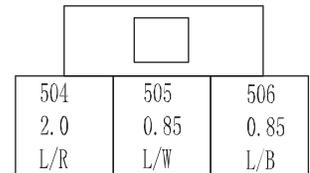
Electric Control Four-wheel Drive Controller



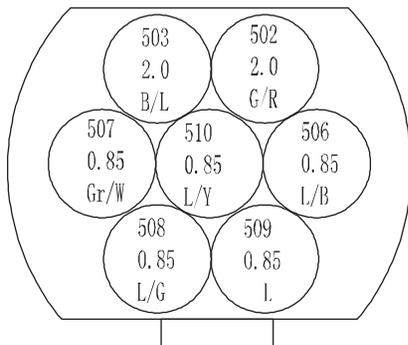
Intelligent Four-wheel Drive Controller



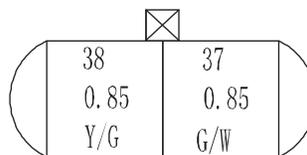
Central Control Switch



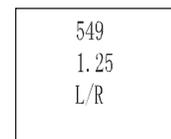
Electromagnetic Clutch and Speed Sensor



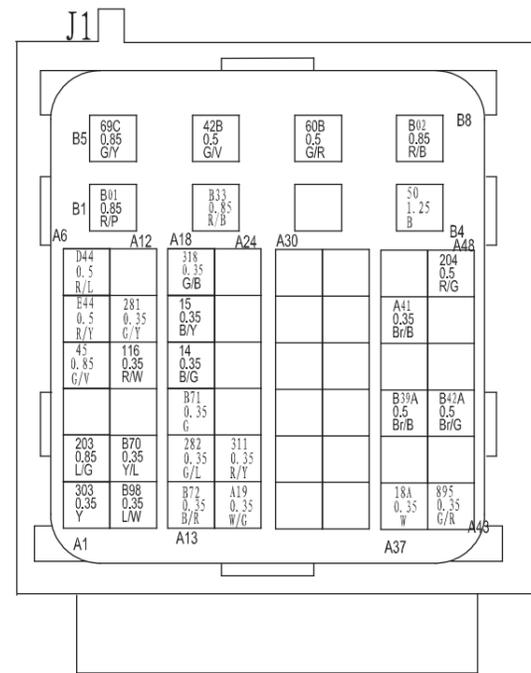
Shift Actuator



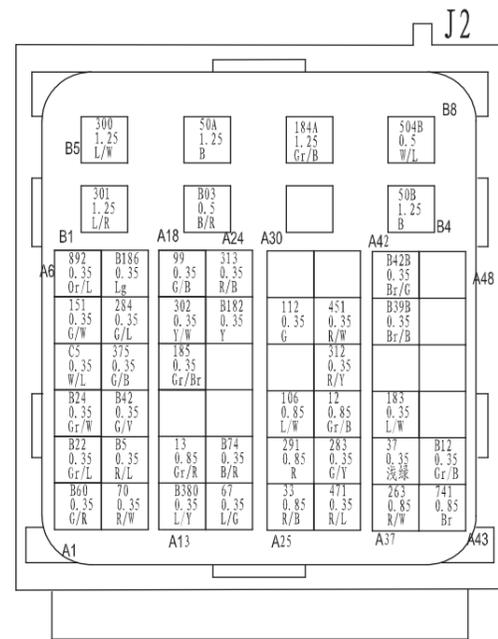
Reverse Switch



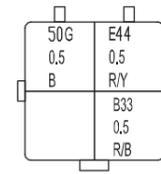
Connecting Electromagnetic Coil



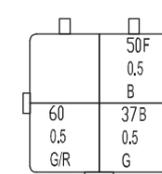
Connecting BCM-A



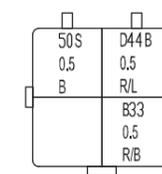
Connecting BCM-B



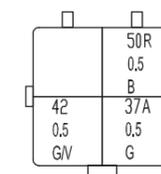
Left Upper Tail Lamp



Left Lower Tail Lamp



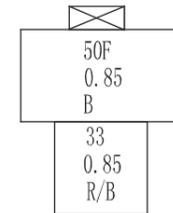
Right Upper Tail Lamp



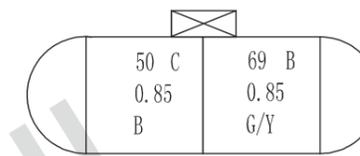
Right Lower Tail Lamp



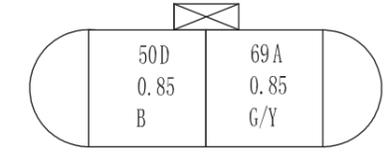
Connecting Rain Sensor



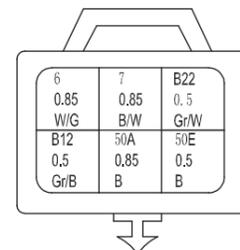
Connecting High Mounted Stop Lamp



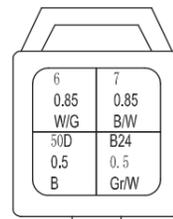
Connecting Right Rear Fog Lamp



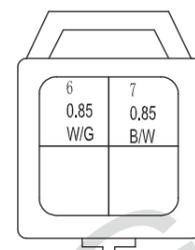
Connecting Left Rear Fog Lamp



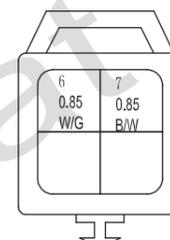
Connecting Left Front Door Locking Mechanism



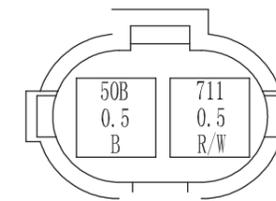
Connecting Right Front Door Locking Mechanism



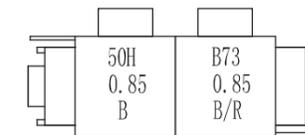
Connecting Left Rear Door Locking Mechanism



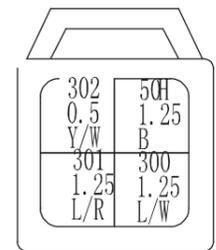
Connecting Right Rear Door Locking Mechanism



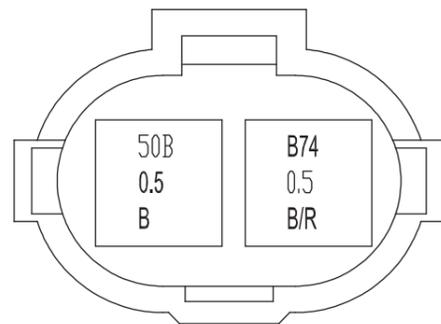
Connecting Back Door Lock State Detection



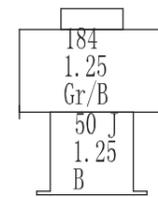
Connecting Back Door Lock Motor



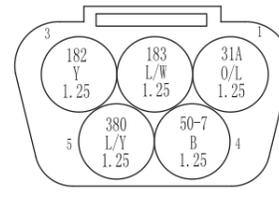
Electronic Control Clutch



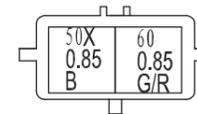
Connecting Back Door Microswitch



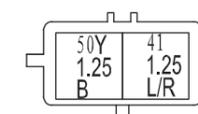
Front Washer Motor



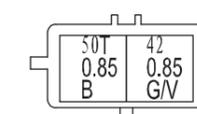
Front Wiper



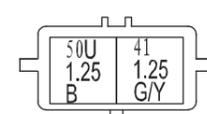
Left Turn Light



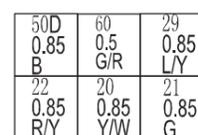
Left Front Fog Lamp



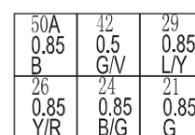
Right Turn Light



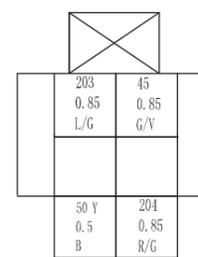
Right Front Fog Lamp



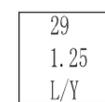
Connecting Electric Rearview Mirror



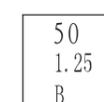
Connecting Electric Rearview Mirror



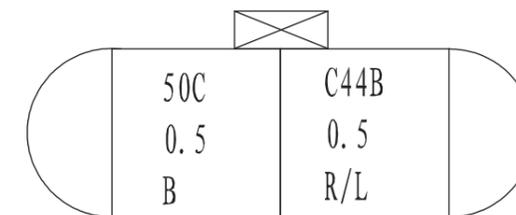
Alarm Switch



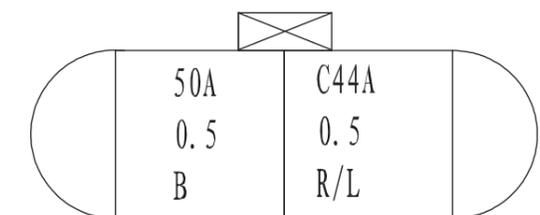
Connecting Rear Defrost Positive Pole



Connecting Rear Defrost Negative Pole



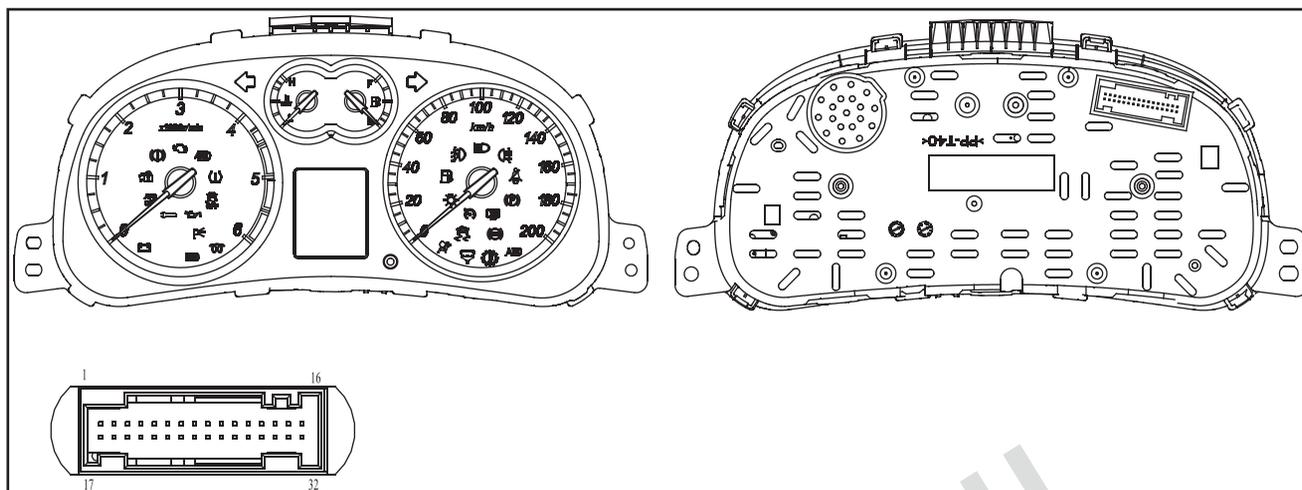
Connecting Left License Plate Lamp



Connecting Right License Plate Lamp

Instrument Cluster

Element Diagram and Connector Pin Function



Connector Type AMP C 142501-1

Pin No.	Function	Pin No.	Function
1	Anti-theft Indicator	17	Engine Maintenance Indicator
2	Brake System Malfunction Indicator Lamp	18	AFS OFF Indicator
3	Engine Malfunction Indicator Lamp	19	
4	Oil Pressure Alarm Indicator	20	
5	ESP OFF Indicator	21	AWD Indicator
6	Tire Pressure Alarm Indicator	22	Battery Charge/Discharge Indicator
7	Four-wheel Drive Indicator	23	
8		24	
9	LIN	25	Engine Main Relay
10	CAN Low	26	CAN Low (reserved)
11	CAN High	27	CAN High (reserved)
12		28	Fuel Input
13		29	
14		30	Sensor Ground
15	Body Ground	31	Body Ground
16	Battery Power Supply	32	Ignition Power Supply

Instrument Function

1. Sound Alarm Function

(a) Description of Front Seat Belt Alarm Function

- When ignition switch is switched to ON, if seat belt has not been used by driver or front passenger, instrument buzzer will send out 15 prompt tones (2s cycle period, tweeting for 0.5s, interval of 1.5s), and driver or front passenger's seat belt indicator will be constantly on (front passenger's seat belt indicator is realized by PAB switch). After the seat belt is fastened, the indicator will go out, and the alarm sound will disappear;
- When vehicle speed is up to 25 km/h, if seat belt has not been used by driver or front passenger, instrument will send out prompt tones again, and alarm continuously (by tweeting every 15s). In addition, driver or front passenger's seat belt indicator will be constantly on. After the seat belt is fastened, the indicator will go out, and the alarm sound will disappear;

- (b) If any door is opened when a key is in the LOCK position of ignition lock, a prompt tone of Key Not Pulled Out will be sent out, and the alarm will continue for one minute before disappearing; the prompt tone will disappear immediately when the key is pulled out or the door is closed.

2. LCD Display

The instrument is equipped with an LCD display to display milage, accumulation, subtotal, door open information, average fuel consumption, cruise speed display, gear information, bulb fault, rain sensor failure, AFS fault, AFS driving mode, engine water temperature alarm, low voltage alarm, and fuel alarm.

3. Speedometer

Checkpoint (km/h)	Indication Angle (°)	Indication Range (km/h)
40	52	40.6~42
100	130	100.8~104
160	208	164.8~167.3

4. Tachometer

Checkpoint (r/min)	Indication Angle (°)	Indication Error (km/h)
1000	43.33	±100
3000	130	±150
6000	260	±200

5. Fuel Gauge

Checkpoint	Input Resistance (Ω)	Indication Error (°)
E	95	±3
Alarm Point	74	±3
Alarm Cancelling Point	71	±3
1/2	32.5	±3
F	7	±3

6. Water Thermometer

Checkpoint	Indication Angle (Ω)	Angle Error (°)
C(50°C)	0	±3
1/2(80-100°C)	45	±3
Alarm Point (110 °C)	78.75	±3
H(120°C)	90	±3

Instrument Working Condition

Working Voltage	9V-16V
Test Voltage	13.5V
Nominal Voltage	12V
Quiescent Current	<5mA
Working Temperature	-40°C~+75°C
Display Visible	-30°C~+65°C
Temperature for all LED On	-40°C~+65°C

Alarm Indicator

No.	Name	Color	Symbol	Input	Signal aspect	Remarks
1	Front Fog Indicator	Green		BCM	CAN	
2	Rear Fog Indicator	Yellow		BCM	CAN	
3	High-beam Indicator	Blue		BCM	LIN/CAN	
4	Light Main Switch Indicator	Green		BCM	LIN/CAN	
5	Left Turn Indicator	Green		BCM	CAN	
6	Right Turn Indicator	Green		BCM	CAN	
7	Battery Charge/Discharge Indicator	Red		Hardwire	Low level	
8	Four-wheel Drive Indicator	Yellow		Hardwire	Low level	
9	Airbag Indicator	Red		ABM	CAN	
10	Seat Belt Indicator	Red		ABM	CAN	
11	Rear Defroster Indicator	Yellow		BCM	CAN	
12	Brake System Malfunction Indicator Lamp	Red		Hardwire	Low level	
13	Park Indicator	Green		BCM	LIN	
14	Park Brake Indicator	Red		BCM	CAN	
15	ABS Indicator	Yellow		ABS	CAN	
16	EBD Indicator	Yellow		ABS	CAN	
17	ESP Indicator	Yellow		ESP	CAN	
18	ESP Close Indicator	Yellow		Hardwire	Low level	
19	Oil Pressure Alarm Indicator	Red		Hardwire	Low level	
20	Fuel Alarm Indicator	Yellow		Software control		
21	Engine Malfunction Indicator Lamp	Yellow		Hardwire	Low level	
22	Engine Maintenance Indicator	Yellow		Hardwire	Low level	
23	Anti-theft Indicator	Red		Hardwire	Low level	
24	Engine Preheat Indicator	Yellow		ECM	CAN	
25	Oil-water Separation Indicator	Red		ECM	CAN	
26	Tire Pressure Alarm Indicator	Yellow		Hardwire	Low level	
27	Automatic Transmission Case Overheat Indicator	Red		AT	CAN	
28	Cruise Indicator	Green		ECM	CAN	
29	AWD Indicator	Yellow		Hardwire	Low level	
30	AFS OFF Indicator	Yellow		Hardwire	Low level	

TPMS (Tire Pressure Monitoring System)

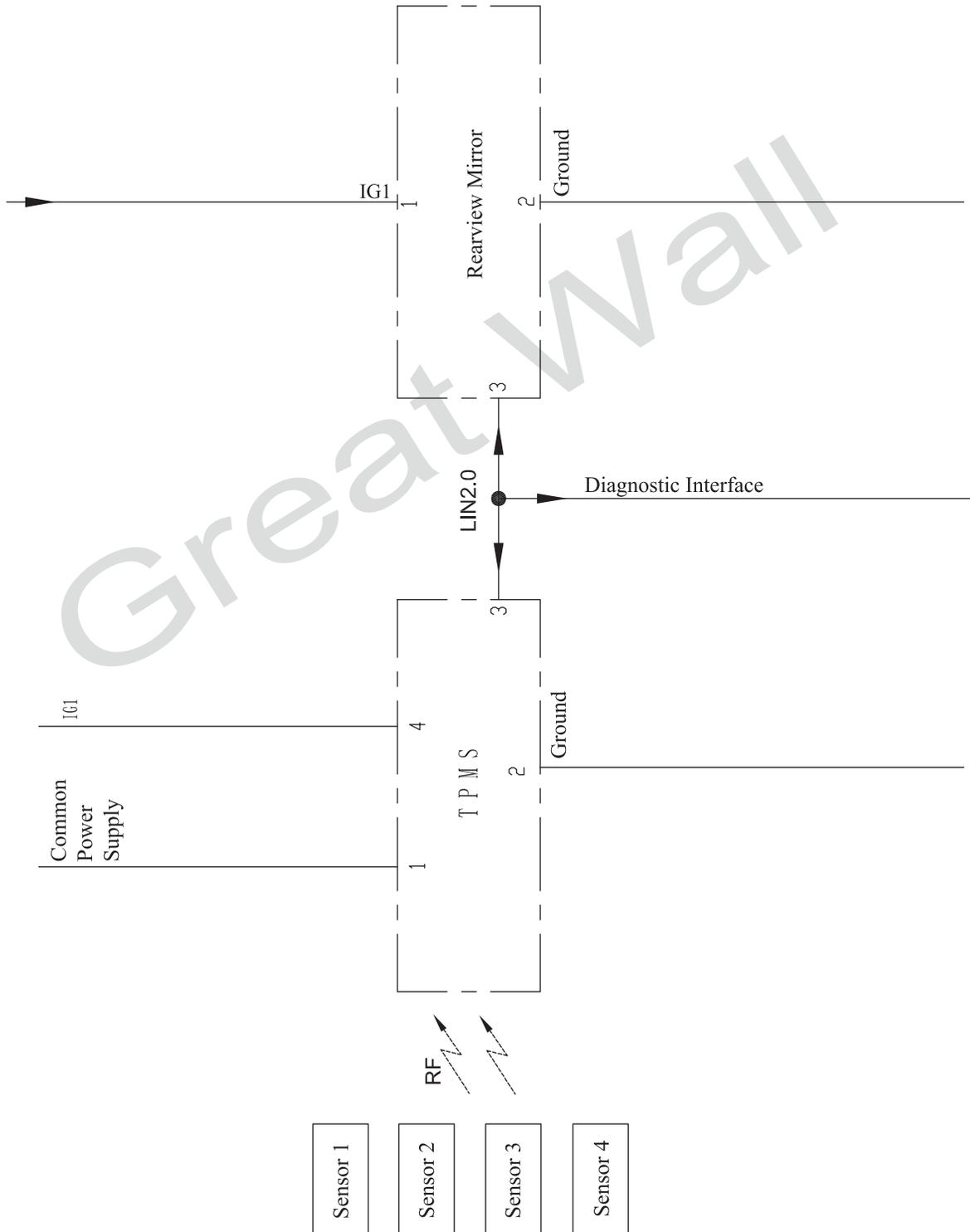
Composition

Four Tire Pressure Sensors (not Provided for Spare Tire), One Tire Pressure Receiver, One Anti-dazzle Rearview Mirror

System Introduction

TPMS system can graphically display relevant data and warning symbols on anti-dazzle rearview mirror when the pressure of one or more tires is too high or too low. Meanwhile, it will send out sound alarms to remind driver of the vehicle, thus improving driving safety and vehicle reliability.

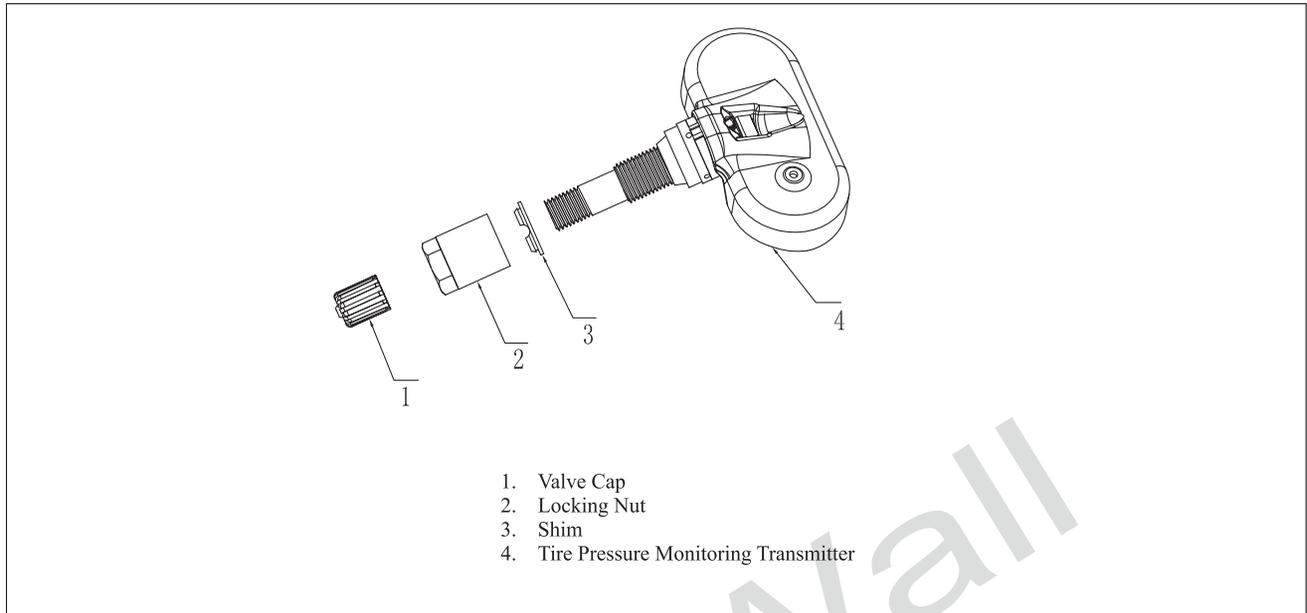
TPMS Schematic Diagram



Tire Pressure Monitoring Sensor

The component is mounted on rim.

Structure Diagram



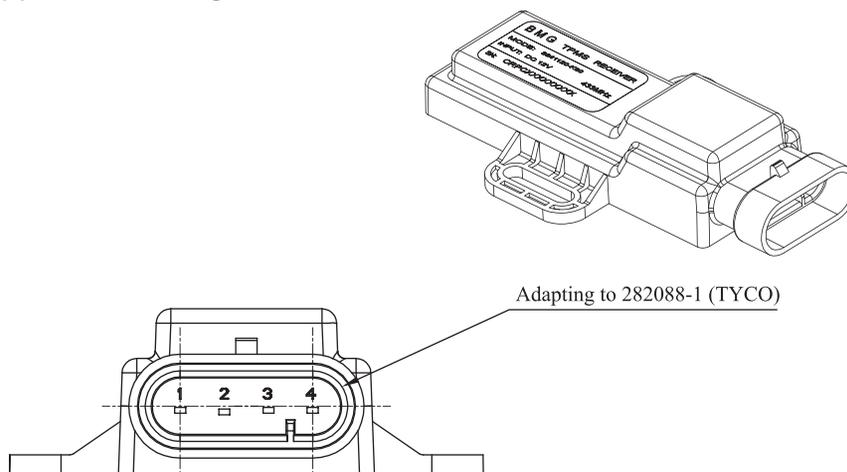
Technical Parameters

1. When mounting, valve nut shall be locked by 3 to 5N·m torque (4N·m recommended);
2. Burrs shall not occur at the edges of hub wheel both-side holes, which may damage valve gasket;
3. Mounting hole diameter applicable for valve is 11.5 ± 0.2 mm, the mounting surface in contact with the gasket shall be plane;
4. Weight: 40g (including valve component);
5. Frequency: $433.92\text{MHz} \pm 100\text{KHz}$;
6. Power: -20dBm (EIRP);
7. Working Temperature: -40°C to 125°C ;
8. Measurement Range: 100 to 900KPA
9. Measurement Precision: Pressure: $0 \sim 70^{\circ}\text{C} \pm 10\text{KPA}$
Other $\pm 25\text{KPA}$
Temperature: $\pm 3^{\circ}\text{C}$

Tire Pressure Monitoring Receiver

The component is mounted under the driver's seat.

Appearance Diagram



Pin	Definition	I/O	Maximum Current	Remarks
1	Power Supply	POWER	150mA	Power Supply
2	Ground	POWER	1A	Power Supply
3	L-Line	IN/OUT	20mA	LIN Line
4	IGN ON	IN	20mA	Ignition Switch

Technical Parameters

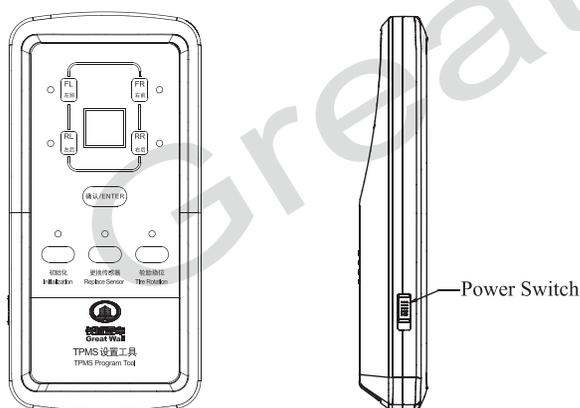
1. Wire Connection: 282088-1 (TYCO);
2. Modulation Mode: FSK;
3. Frequency: 433.92MHz ± 100KHz;
4. Receiver Sensitivity: < -105dBm (Coaxial Cable Input)
5. Working Temperature: -40°C~+125°C
6. Working Voltage: DC 8V~16V
7. Terminal Insertion/Extraction Force:
Extraction Force 100mm/min > 85N
Insertion Force 20mm/min < 75N

Tire Pressure Setter

Summary

THA13 setter is a TPMS system matching tool designed and developed for 4S shops, through which tire pressure sensor initiation, sensor replacement, tire rotation can be carried out, realizing the convenient maintenance operation of TPMS system in 4S shops.

Appearance Diagram



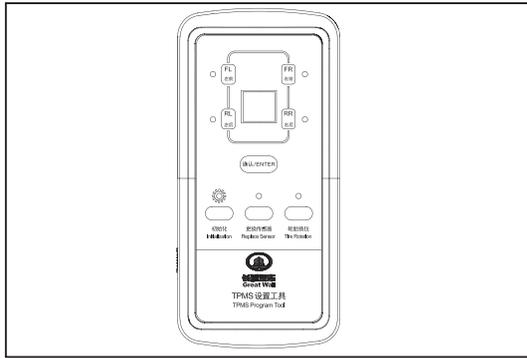
Technical Parameters

Working Voltage	DC 9V Square Battery
Working Current	<3mA
LF Trigger Distance	0.5m < L < 1m
RF Transmission Distance	1.5m < L < 3m
LF Frequency	125kHz ± 2kHz
RF Frequency	433.92MHz ± 100kHz

Notes

During operation, if indicator brightness darken after power switch is turned on, or all indicators flash when triggered, capacity of the setter battery is low. Please replace the battery.

In case of low battery capacity, the trigger distance will become short. Please approach the tire valve to the greatest extent. During setting, open the vehicle door, and press the button for confirmation in the cockpit to conduct the setting operation.

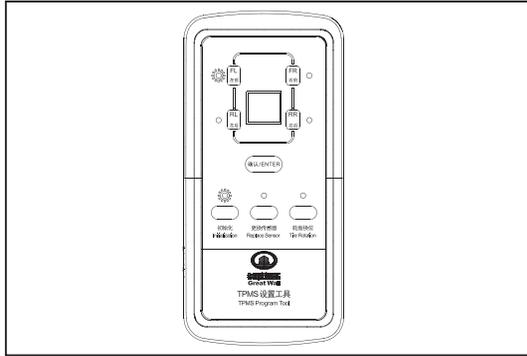


Operation Description

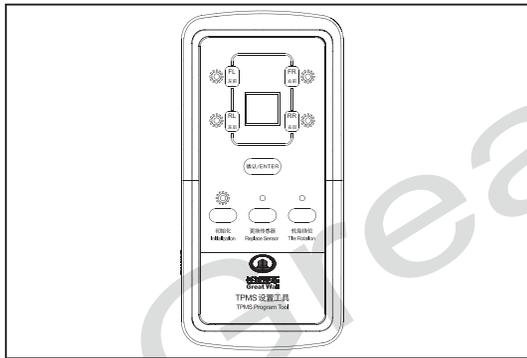
1. Sensor Initialization

For users who equip their vehicles with TPMS afterward, this function can be used.

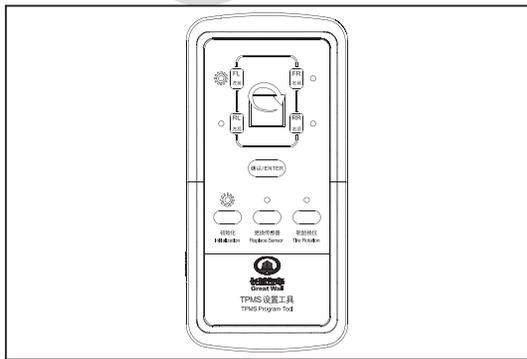
- (a) Turn on the setter power switch, initiation indicator will be illuminated (automatically illuminated when powered by default).



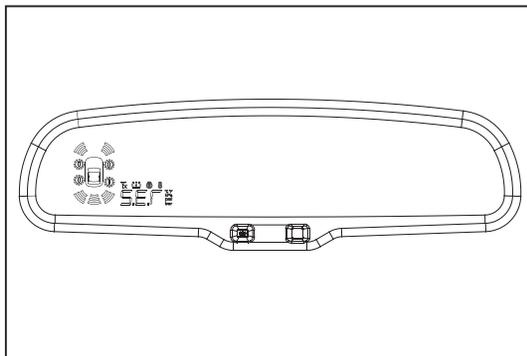
- (b) Let the setter close to the left front wheel, and when the distance to the left front wheel valve is 50cm, press the button representing the left front wheel to allow the left front wheel indicator to flash. When transmission information of the sensor has been received, the indicator will be constantly on.



- (c) Trigger the right front, right rear and left rear wheels successively. After triggered, indicators of corresponding positions will be constantly on.



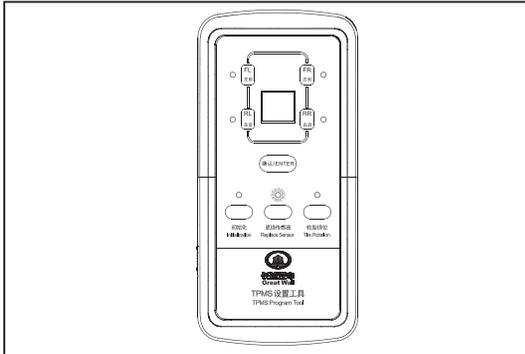
- (d) After indicators at the four tire positions are all on, take the setter into the cockpit. After confirming that vehicle key is at the "ON" position, press the "OK" button of the setter, then the indicators at the four tire positions will be displayed by turns.



- (e) After setting information has been received by the receiver mounted under seat, "SET" will be displayed on rearview mirror.

- (f) In addition, the indicators for four tire positions will be illuminated simultaneously. Operator shall press the button on the rearview mirror for confirmation within 30s. After confirmation, sensor initiation is finished.

Note: If operator has not pressed the button on the rearview mirror for confirmation within 30s, the operation is invalid and the initiation cannot be finished. It is required to re-operate by the above operations once again.

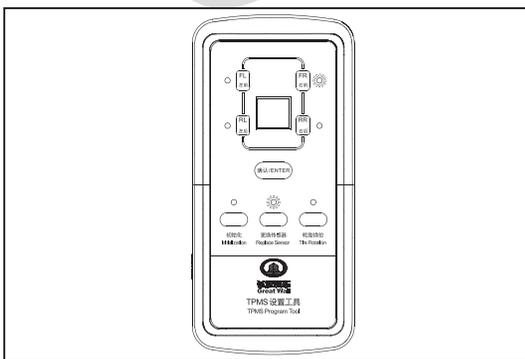


2. Sensor Replacement

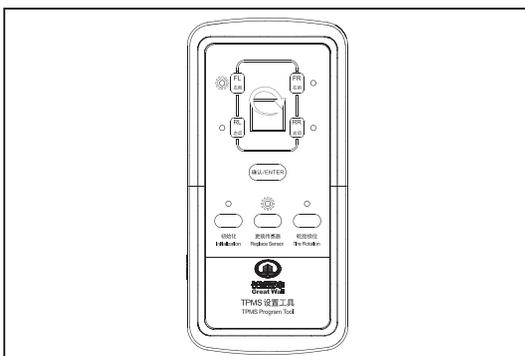
For replacement of the vehicle sensor, this function can be used.

- (a) Turn on the setter power switch and press the sensor replacement button, then sensor replacement indicator will be illuminated.

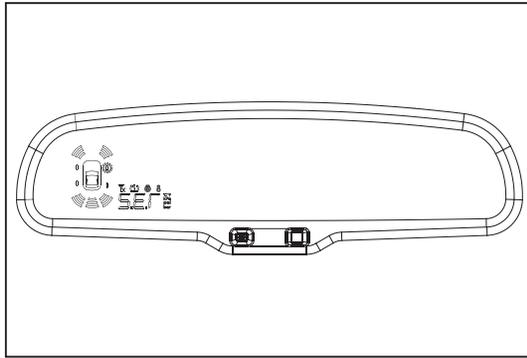
- (b) Let the setter close to tire valve with its sensor replaced, between which the distance is less than 50cm, and press the button at the position of the tire with its sensor replaced, then the indicator of this position will flash. When sensor transmission information has been received, the indicator will be constantly on; If more sensors have been replaced at the same time, please trigger them in proper order, to make the indicators of the positions with their sensors replaced constantly on.



- (c) Take the right front wheel sensor replacement as an example



- (d) Take the setter into the cockpit, and confirm vehicle key is at the "ON" gear position. Then, press the "OK" button of the setter, then the indicators at the four tire positions will be displayed by turns.

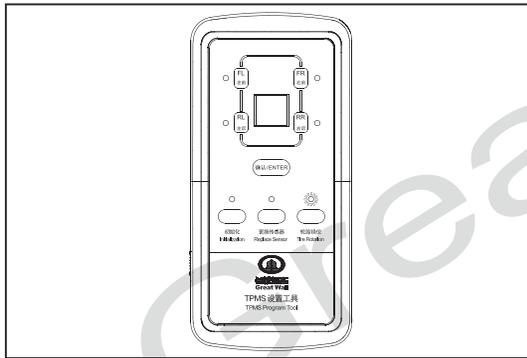


- (e) After setting information has been received by the receiver mounted under seat, "SET" will be displayed on rearview mirror, and the indicator of the position with its sensor replaced will be constantly on.

- (f) Operator shall press the button on the rearview mirror for confirmation within 30s. After confirmation, sensor replacement is finished.

Note: If operator has not pressed the button on the rearview mirror for confirmation within 30s, the operation is invalid and the sensor replacement cannot be finished. It is required to re-operate by the above operations once again.

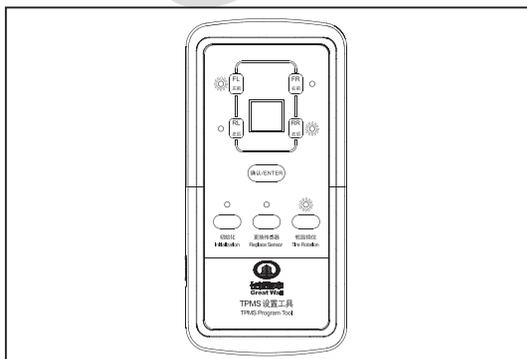
Please carry out the above operations after sensor has been completely mounted. During sensor mounting, it is not required to record the ID code and mounting position information of the sensor. 4S shop maintenance records are excluded.



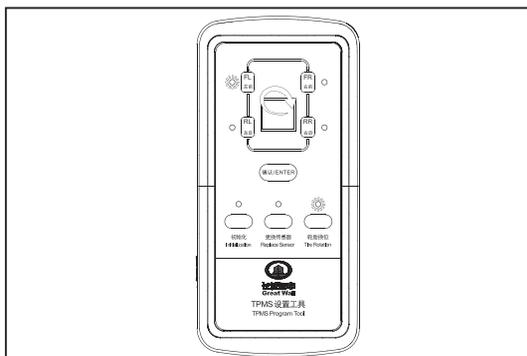
3. Tire Rotation

When any tire has been used for a long time, it is required to conduct tire rotation. The function is able to be used.

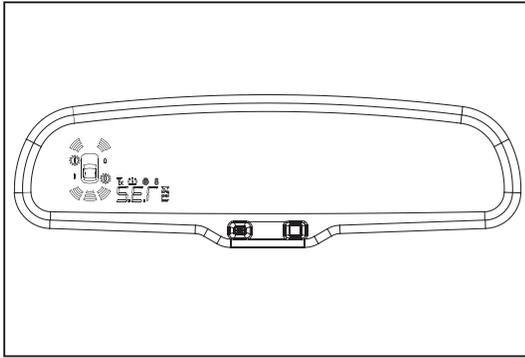
- (a) Turn on the setter power and press the tire rotation button, then the rotation indicator will be illuminated.



- (b) Select the tires with their positions rotated, and press their corresponding position buttons on the setter successively, then tire position indicators will be illuminated. Take the left front and right rear wheels as examples, as shown in the left figure.



- (c) Take the setter into the cockpit, and confirm vehicle key is at the "ON" gear position. Then, press the "OK" button of the setter, then the indicators at the four tire positions will be displayed by turns.



(d) After setting information has been received by the receiver mounted under seat, "SET" will be displayed on rearview mirror, and the indicators of the positions where tires have been rotated will be constantly on.

(e) Operator shall press the button on the rearview mirror for confirmation within 30s. After confirmation, tire rotation is finished.

Note: If operator has not pressed the button on the rearview mirror for confirmation within 30s, the operation is invalid and the tire rotation cannot be finished. It is required to re-operate by the above operations once again.

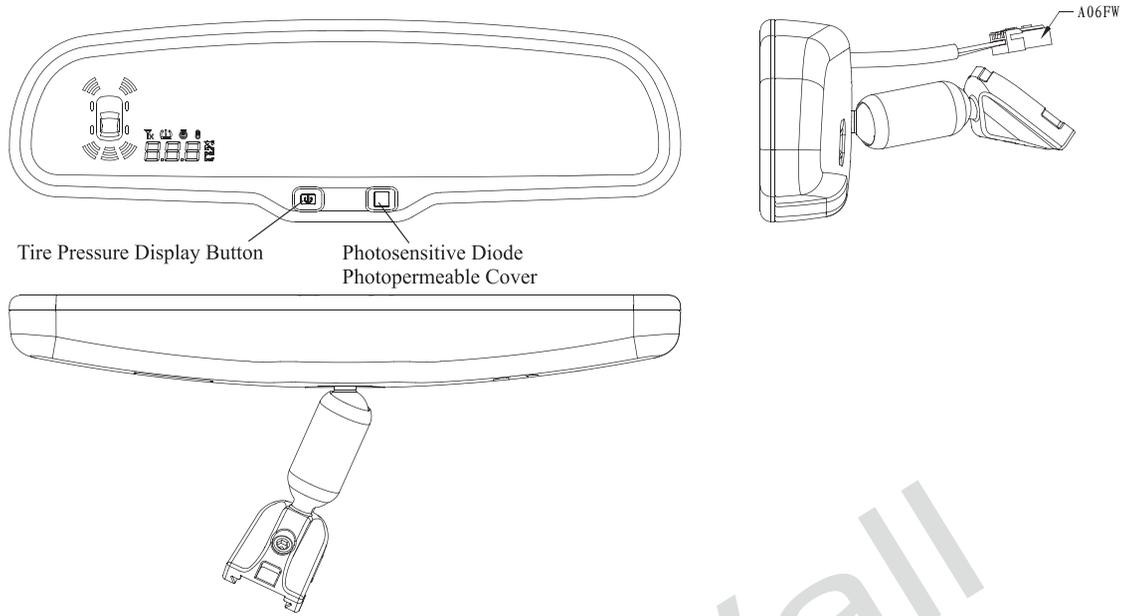
Please rotate the corresponding tires firstly before the above operations are carried out. Sensors are not required to be removed during tire rotation. If rotation is carried out for more than two tires, please follow the above operations repeatedly, during which only two tires can be rotated each time.

Anti-dazzle Rearview Mirror

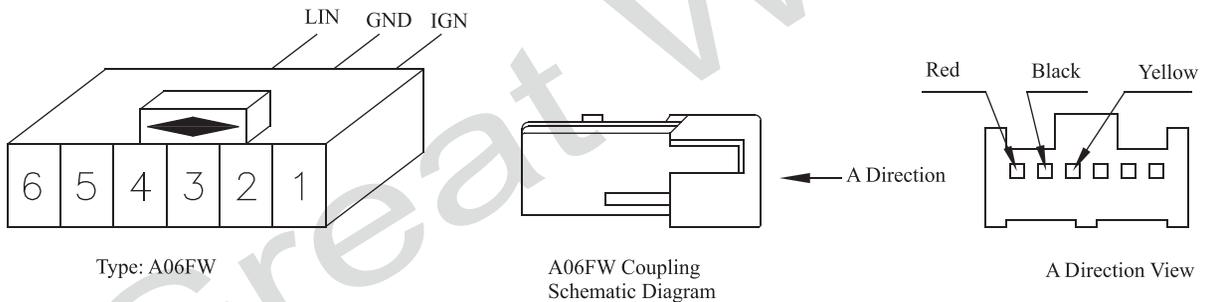
Product Specification

1	Reflective Back Film	Silvering	8	Storage Temperature	-40 ~ +85°C
2	Reflector	Plane	9	Working Temperature	-40 ~ +85°C
3	Reflectivity	When not working: $\geq 55\%$ When working: $\geq 4\%$	10	Adjustable Angle	Up and Down/Left and Right: $\geq 90^\circ$
4	Deflection	$\leq 2\%$	11	Button Operating Force	2-8 N
5	Voltage Range	9-16V	12	Color	Black
6	Current Consumption	≤ 0.5 A (Maximum)	13	Texture Specification	#540 Leather Texture
7	Adjusting Torque	20 \pm 5°C Mirror Seat End Shaft Torque: 22-37kgf.cm Mirror Head End Shaft Torque: 16-32kgf.cm Mirror Seat End Shaft Torque - Mirror Head End Shaft Torque: ≥ 1.15 kgf.cm	14	Transmittance	4 \pm 2%

Appearance Diagram



Terminal Definition



I/O Interface Specification

Pin Position	Pin Position Name	I/O	Minimum	Rated	Maximum	Technical Indices	Definition
1	IGN	Power Supply	+9V	+12V	+16V	0.5A (Maximum)	Input from IGN
2	GND	Ground	-	-	-	-	Grounding
3	LIN	I	-	TTL	-	0.25mA (Minimum)	LIN Communication

Anti-dazzle Function Description

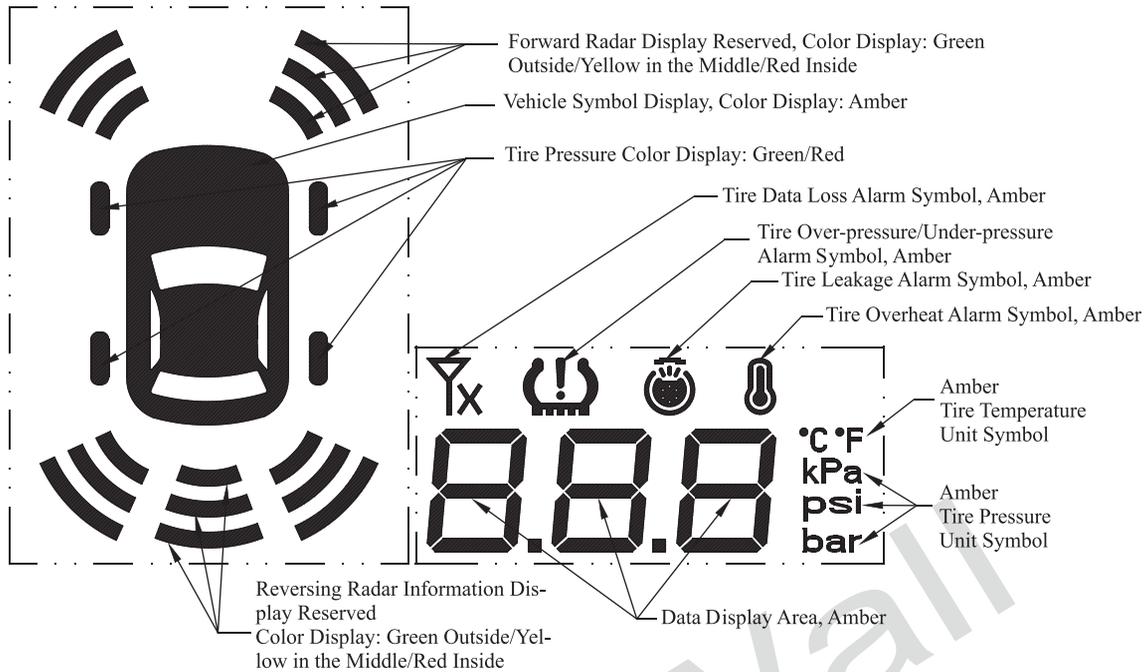
1. Non-anti-dazzle State

At daytime, the environmental luminous intensity of the electronic anti-dazzle mirror is generally higher than 100Lux. At this time, regardless of dazzle luminous intensity, the anti-dazzle mirror will automatically enter the daytime mode and remain its non-anti-dazzle state; the anti-dazzle mirror, whose reflectivity under non-anti-dazzle state can reach 55% or above, is considered as a regular rearview mirror this moment;

2. Anti-dazzle State

At night, or when passing through any tunnel or cave, the environmental luminous intensity of the electronic anti-dazzle mirror is generally lower than 100Lux, which will automatically enter night mode and remain its anti-dazzle state; at this time, if the dazzle luminous intensity of rear vehicles is higher than the environmental luminous intensity, the anti-dazzle mirror will immediately start the anti-dazzle function, darkening the mirror; the higher the dazzle luminous intensity is, the darker the mirror will be; the reflectivity when the mirror is the darkest is higher than 4%; the anti-dazzle function can allow drivers to look at the rearview mirror directly without any eye discomfort or dizziness, and to see rear objects clearly, thus improving driving safety; the anti-dazzle function plays a good protective role for eyes, which can avoid eye fatigue, thus guaranteeing driving safety at night; after dazzle disappears, the anti-dazzle mirror will quit the anti-dazzle state within a short period, which will be used as a regular rearview mirror afterward;

Display Function Description



Remark: the display function with display anti-dazzle mirror can be functioned only when used together with vehicle tire pressure inspection system.

1. Power Display

When no data sent from the tire pressure machine has been received, the rearview will display the tire pressure and

temperature values by turn; $^{\circ}\text{C}$ kPa When normal information of tire pressure sent from the tire pressure machine has been received, the display of tire pressure and temperature values will be shifted (the shift period is 1.5s); when abnormal information of tire pressure sent from the tire pressure machine has been received, display it on the basis of the following description of abnormal tire display.

2. Normal Display of Tire Pressure

The four tire pressures are displayed by turn with their corresponding tire pressure state indicators flashing. After 30s, display of the tire pressure and temperature values will stop.

3. Abnormal Tire Display

When any tire is abnormal, the rearview mirror will always display the abnormal information, that is, pressure alarm symbol, temperature alarm symbol, rapid leakage alarm symbol or signal loss alarm symbol will be illuminated with the corresponding data displayed (for example, in case of pressure exception, pressure alarm symbol and pressure value will always be constantly shown); In case of pressure exception, signal loss exception and temperature exception, the buzzer will tweet for five times (0.5s tweet and then 0.5s blank) with its corresponding tire pressure state indicator turning red and flashing; In case of rapid leakage exception, the buzzer will tweet for 15s with its corresponding tire pressure state indicator turning red and flashing; in normal state, the rearview mirror display interface is off. If alarm information sent from tire pressure machine has been received this moment, the display interface will be automatically turned on and display information continuously before restoration. After restoration, the alarm will disappear, and the display interface will be turned off after 30s.

4. Learning Mode Display Description

When learning information sent from the tire pressure machine has been received, the rearview mirror will enter the learning interface automatically: the four tire state indicators will turn green while flashing, and the "SET" characters will be shown at the bottom right of the vehicle symbol; if the rearview mirror button has been pressed for about 0.5s at this time, the rearview mirror will feedback "the response information is received" to the tire pressure machine, which represents a successful learning process; if the button has not been pressed within 30s, "the response information is not received" will be feedbacked to the tire pressure machine, which represents a failed learning process.

5. Learning Display Description of Tire Pressure Sensor Replacement

When the information of tire pressure sensor replacement demand sent from the tire pressure machine has been received by the rearview mirror, the state indicator corresponding to the tire whose sensor is required to be replaced, will turn green while flashing, and the "SET" characters will be shown at the bottom right of the vehicle symbol; if the rearview mirror button has been pressed for about 0.5s at this time, the rearview mirror will feedback "the response information is received" to the tire pressure machine; if the button has not been pressed within 30s, "the response information is not received" will be feedbacked to the tire pressure machine.

6. Learning Display Description of Tire Rotation

When the information of tire rotation demand (for one or more tires) sent from the tire pressure machine has been received by the rearview mirror, the state indicator corresponding to the tire required to be rotated, will turn green while flashing, and the "SET" characters will be shown at the bottom right of the vehicle symbol; if the rearview mirror button has been pressed for about 0.5s at this time, the rearview mirror will feedback "the response information is received" to the tire pressure machine, which represents a successful tire rotation; if the button has not been pressed within 30s, "the response information is not received" will be feedbacked to the tire pressure machine, which represents a failed tire rotation.

Button Function Description

1. Normal Display of Tire Pressure.

After IGN=ON for 30s, the rearview mirror will stop displaying tire pressure and temperature values; press the button for about 0.5s, to re-display tire pressure and temperature values, and press the button again for about 0.5s, to stop displaying these values. By doing so, you can view the current tire condition at any time.

2. Display Unit Setting of Tire Pressure and Temperature Values

When IGN=ON, display units of tire pressure and temperature values are defaulted as the previous display units; press the button for about 3s to enter the tire pressure and temperature unit setting; firstly, enter the tire pressure unit setting, to allow the tire pressure unit flashing. At this time, the unit will shift among kPa, bar and psi in cycle after each press. If the button is not pressed within 3s, the system will consider the tire pressure unit setting has been finished by default, and display the last selected unit. Meanwhile, it will stop flashing the tire pressure unit, and enter the temperature unit setting to allow the temperature unit flashing. At this time, the unit will shift between °C and °F in cycle after each press. If the button is not pressed within 3s, the system will consider the temperature unit setting has been finished by default, and display the last selected unit. Meanwhile, it will stop flashing the temperature unit, and quit the unit setting state while entering the normal display state finally.

3. For the rearview mirror to conduct relevant setting under learning display mode.

Diagnosis Function Description

1. Fault Diagnosis of IGN Power Wire

- (a) When voltage is higher than 16V, LED will display the error code of "E-1", and the tire display color is red.
- (b) When voltage is lower than 9V, LED will display the error code of "E-2", and the tire display color is red.

2. Fault Diagnosis of LIN Line

- (a) When power supply is short-circuit, LED will display the error code of "E-3", and the tire display color is red.
- (b) For short circuit for ground, LED will display the error code of "E-4", and the tire display color is red.

3. Fault Diagnosis of LIN Information not Received

- (a) When system is powered for the first time, if LIN information has not been received after 800 ± 200 ms, LED will display the error code of E-5.
- (b) When system is operating in the driving state, if LIN information has not been received after 16s, LED will display the error code of E-6.
- (c) When the above items "a" and "b" are displayed, the four tires will turn red while flashing for 5s (0.5s on and then 0.5s off), the buzzer will tweet for 5 times (0.5s tweet and then 0.5s blank), tire pressure warning symbol "" will be shown, and LED will display the corresponding error code. when the fault has disappeared, system will return to the normal display state directly.

Great Wall

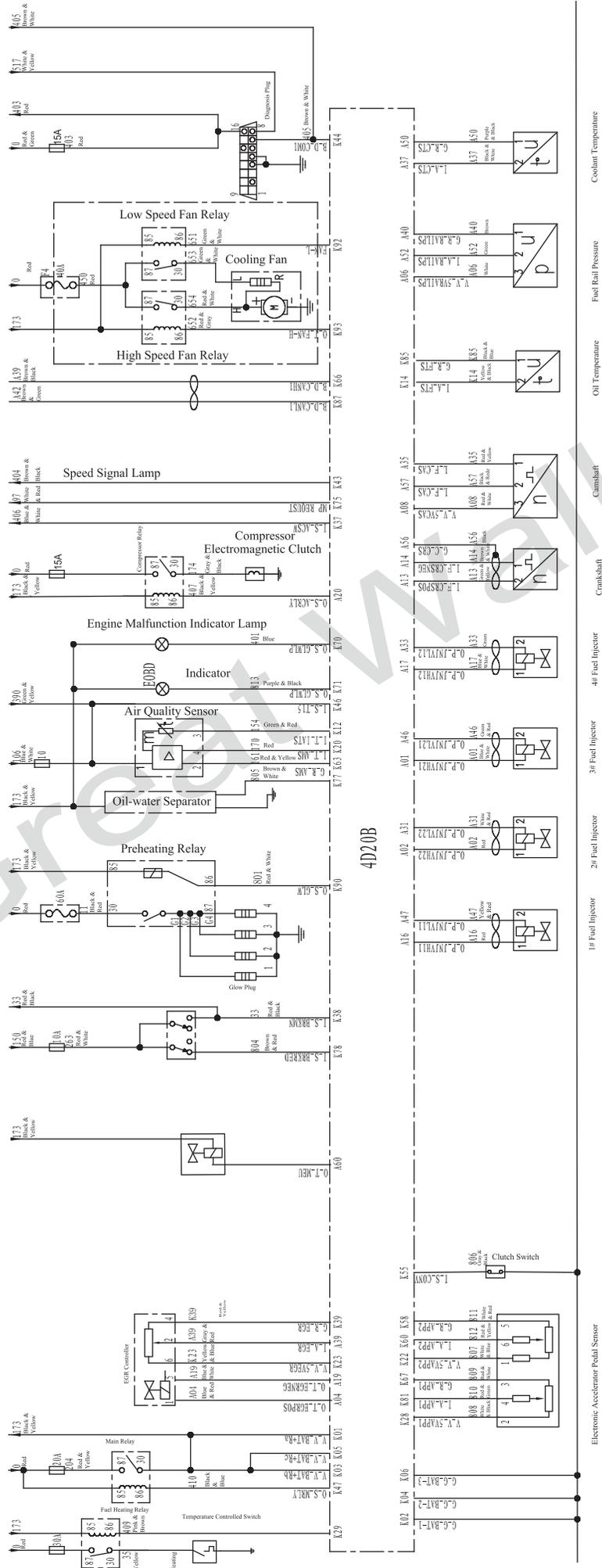
Body Electric Apparatus (K5-4D20B Bosch System)

Engine Electronic Control System2

Great Wall



Engine Electronic Control System

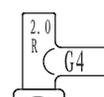
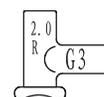
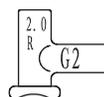
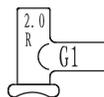
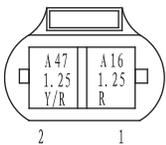
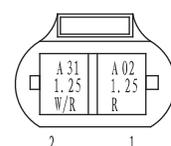
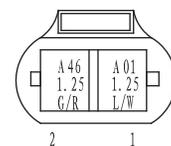
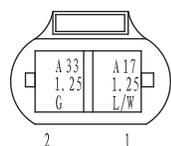
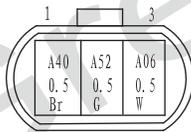
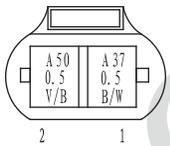
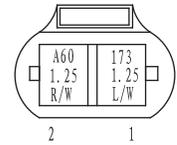
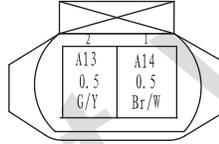
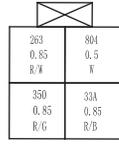
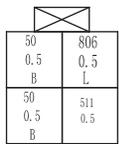
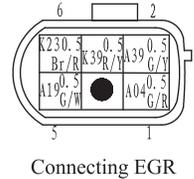
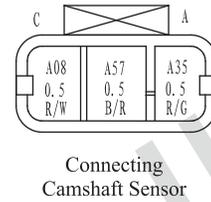
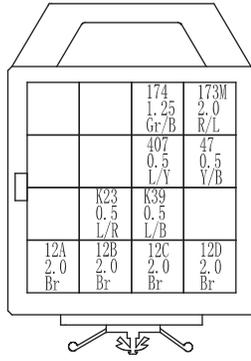
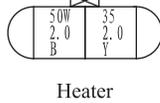
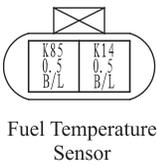


173F 1.25 R/L	50K 1.25 B			97 0.5 V/R		K77 0.5 Br/W	804 0.5 Br/R			810 0.5 R/G				K85 0.5 B/L		B42C 0.5 Br/G		A89 0.5 G/W	B01 0.5 R/W		851 0.5 G/W	652 0.5 G/B		
173G 1.25 R/L	50L 1.25 B					806 0.5 Gr/B			811 0.5 W/R		812 0.5 R/Y			161 0.85 R/Y		B39C 0.5 Br/B	809 0.5 R/W			801 0.5 L	813 0.5 V/B			
173H 1.25 R/L	50V 1.25 B			409 0.5 P/Br					406 0.5 L/W	33 0.5 R/B	K39 0.5 L/B				8H 0.4 Br/B	405 0.5 Br/W	390D 0.5 G/Y	410 0.85 B/L						808 0.5 W/B

01

Engine ECU Connector K

28



15		A14 0.5 Br/W	A13 0.5 G/Y					A08 0.5 R/W		A06 0.5 W		A04		A02 1.25 R	A01
30											407	A19		A17 1.25 L/W	A16 1.25 R
45						A40 0.5 Br	A39			A37 0.5 B/W		A35 0.5 R/G		A33 1.25 G	A31
60	A60 1.25 R/W									A52 0.5 G		A50 0.5 V/B		A47 1.25 Y/R	A46 1.25 G/R

60

55

50

46

Connecting ECU

Great Wall

Body Electric Apparatus (K5-N2)

Function Chart for Numbered Pins of Intermediate Connection of Wiring Harness	2
Engine Electronic Control System	4
Automatic Transmission	6
ABS System	7
ESP System	8
TOD	9
Airbag Electronic Control System	10
Instrument Cluster	11
Relationship between Wiring Harnesses and Connector Connection Number Chart	12
BCM.....	13
Cruise Control System.....	14
CD1085	17
DVD109 and DVD110.....	20
DVD111	23

Great Wall



Function Chart for Numbered Pins of Intermediate Connection of Wiring Harness

C03

30 0.5 B	142 0.5 L/V	123 0.5 G/Y	173H 2.0 R/L
12A 2.0 Br	12B 2.0 Br	12C 2.0 Br	12D 2.0 Br
168 0.5 L			124 1.25 Gr/B
170 0.85 R	154 0.85 G/R	161 0.85 R/Y	47 0.5 Y/B

Connecting Engine
Wiring Harness 1

173 1.25 L/W	123 0.5 Y/W	142 0.5 Y/B	50 0.5 B
12D 2.0 B/Y	12C 2.0 B/R	12B 2.0 R/W	12A 2.0 R/B
124 2.0 Gr/B			168 0.5 Br/B
47 0.5 Y/B	161 0.85 R/Y	154 0.85 G/R	170 0.85 R

Connecting Engine
Compartment Wiring Harness 1

50H 1.25 B	302 0.5 Y/W
300 1.25 L/W	301 1.25 L/R

Connecting Power Supply
Wiring Harness 2

302 0.5 Y/W	301H 1.25 R
301 1.25 L/W	300 1.25 L/W

Connecting Engine
Compartment Wiring Harness 2

A39A 0.5 Br/B	A42A Br/G		73 0.5 L/R	122 0.5 G/R
74 0.5 L/W	81 0.35 P	80 0.5 W	90 0.5 L/Y	31 1.25 O/L
83 0.5 W/L	82 0.5 W/B		183 1.25 L/W	182 1.25 Y
50P 2.0 B	85 0.5 P/Y	76 0.5 G/B	191 0.85 G/R	380 1.25 L/Y

Connecting Instrument Panel
and Console Wiring Harness 2

122 0.5 G/R			B42D 0.5 Br/G	B39D 0.5 Br/B
31 1.25 Or/L	90 0.35 L/Y	315 2.0 Br	80 0.35 W	81 0.35 P
182 1.25 Y	183 1.25 L/W		82 0.35 W/B	83 0.35 W/L
184B 1.25 Gr/B	380 1.25 L/Y	191 0.5 G/R	76 0.35 G/B	85 0.35 P/Y

Connecting Engine
Compartment Wiring Harness 2

C06

	305 0.5 L/R		318 0.5 G/B	B01 0.85 R/G
38 0.85 G	89 0.5 G	B03 0.5 B/R	79 0.5 L	B02 0.85 R/B
88 0.5 Y/B	306 0.5 R/W	84 0.5 L/B	78A 0.85 Br	
28 0.5 Y/W		42 0.85 G/V	106A 1.25 L/W	173B 0.5 R/L

Connecting Instrument Panel
and Console Wiring Harness 1

B01 0.85 R/P	318 0.35 G/B		305 0.35 L/R	
60 C 0.85 G/R	B02 0.85 R/B	79 0.5 L	B03 0.5 B/R	89 0.35 G
619 0.5 G/W	620 0.5 G/Y	78 0.35 Br	84 0.35 L/B	306 0.35 R/W
813 0.5 V/B	173B 0.5 R/L	106 1.25 L/W	42C 0.85 G/V	28 0.5 Y/W

Connecting Engine
Compartment Wiring Harness 1

C07

71B 0.5 R/B	47 0.5 Y/B		402 0.5 W/B	46 0.5 W/R
401 0.5 L		41 0.85 L/R	E44 0.85 R/Y	34 0.85 W
	116 0.5 R/W	A262 0.5 Y/G	D44 0.85 R/L	A261 0.5 V/R
311 0.35 R/Y	95 0.5 L/O		403B 1.25 R	79 0.5 L

Connecting Instrument Panel
and Console Wiring Harness 4

46 0.5 W/R	402 0.35 W/B		47 0.5 Y/B	71 0.35 R/B
281 0.35 G/Y	34 0.85 R/L	E44 0.35 R/W	41 0.5 L/R	401 0.5 L
282 0.35 G/L	A261 0.5 V/R	D44 0.35 R/L	A262 0.5 Y/G	116 0.5 R/W
452 0.5 R/B	79D 0.5 L	403A 1.25 R		95 0.35 L/Or

Connecting Engine
Compartment Wiring Harness 4

C09

29 1.25 L/Y	315 2.0 Br		511 0.5 L/B	135 1.25 L/W
	D44 0.5 R/L	0.5 R/Y	777 0.5 Y	895 0.5 G/R
614 0.5 Gr/Br	613 0.5 Br/B		390 0.5 G/Y	18 0.85 R/L
390 0.5 G/Y	50A 2.0 B	609 0.5 G/B	610 0.5 G/R	611 0.5 G/L

Connecting Cockpit
Wiring Harness

135 0.85 L/W	511 0.5 L/B		315A 2.0 Br	29 1.25 L/Y
895 0.5 G/R	777 0.5 Y	E44 0.5 R/Y	D44 0.5 R/L	35 1.25 Y
18 0.85 R/L	390 0.5 G/Y		613 0.5 Br/B	614 0.5 Gr/Br
612 0.5 G/V	611 0.5 G/L	610 0.5 G/R	609 0.5 G/B	50Y 0.5 B

Connecting Engine
Compartment Wiring Harness

C13

A39B 0.5 L/G	A42B 0.5 Gr/Y	500 2.0 G	38 0.85 Y	B39A 0.35 Br/B
	106 1.25 L/W	37 0.85 浅绿	67 0.35 L/G	B42A 0.35 Br/G
	516 0.5 Y/L	33 0.5 R/B	33 0.5 R/B	375 0.35 G/B
548 0.5 Y/G	452 0.5 R/B	50 2.0 B	302 0.5 Y/W	303 0.5 Y
	45 0.85 G/V	404 0.5 Br		

Connecting MT/AT Wir-
ing Harness Assembly

A39D 0.35 Br/B	38 0.85 Y/G	500 2.0 G	A42A 0.5 Br/G	A39A 0.5 Br/B
A42D 0.35 Br/G	67 0.5 L/G	37 0.85 浅绿	106 1.25 L/W	
375 0.35 G/B	33 0.5 R/B	33 0.5 R/B	516 0.5 Y/L	
303 0.5 Y	302 0.5 Y/W	931 2.0 B	452 0.5 R/B	548 0.5 Y/G
		404 0.5 Br	45 0.85 G/V	

Connecting Instrument
Wiring Harness

C14

504A WL 0.5	163 Br/B 0.5		135 LW 0.85	34A W 0.5	50A B 0.85
31A OL 0.5	895 GR 0.5	183 LR 0.5		390 GY 0.5	777 Y 0.5

Connecting Cockpit
Wiring Harness

50M B 0.85	34E WB 0.5	135 LW 0.85		163 LR 1.25	504E WL 0.5
777 Y 0.5	390 GY 0.5		183 LW 0.5	895 GR 0.35	615 RW 0.5

Connecting Roof
Wiring Harness

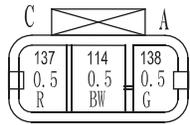
C30

50C 0.5 B		C44B 0.5 R/L	B74 0.5B/R
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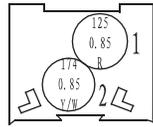
Connecting License
Plate Wiring Harness
DJ7031A-2.8-21

B74 0.5 B/R		C44B 0.5R/L	50C 0.5 B
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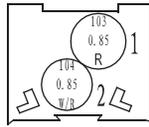
Connecting Back
Door Wiring Harness



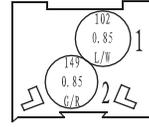
Camshaft Sensor



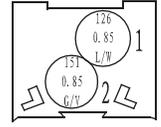
Connecting 1# Nozzle



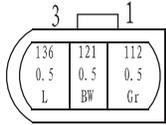
Connecting 2# Nozzle



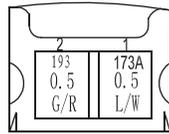
Connecting 3# Nozzle



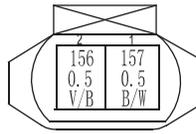
Connecting 4# Nozzle



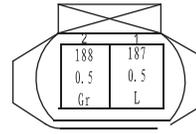
VGT



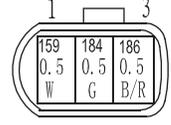
Vacuum Valve



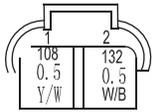
Water Temperature Sensor



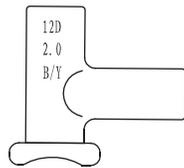
Crankshaft Position Sensor



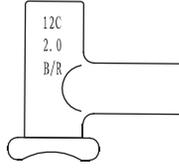
Rail Pressure Sensor



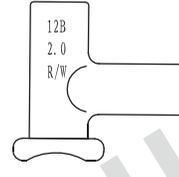
Oil Temperature Sensor



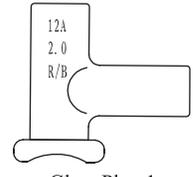
Glow Plug 4



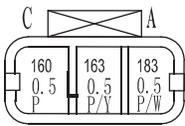
Glow Plug 3



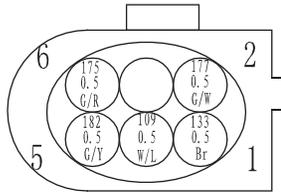
Glow Plug 2



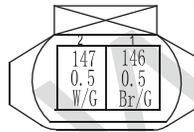
Glow Plug 1



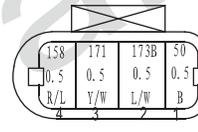
Intake Air Pressure Sensor



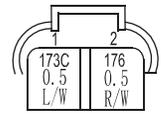
EGR



Knock Sensor



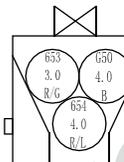
Electronic Throttle



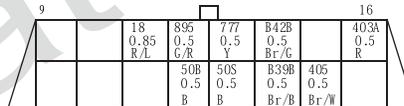
Flow Valve



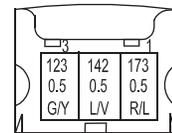
Connecting Air Conditioning Clutch



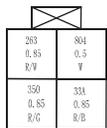
Connecting Radiator Fan



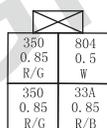
Connecting Diagnostic Instrument



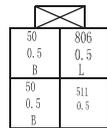
Oil-water Separation Switch



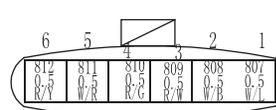
Brake Lamp Switch



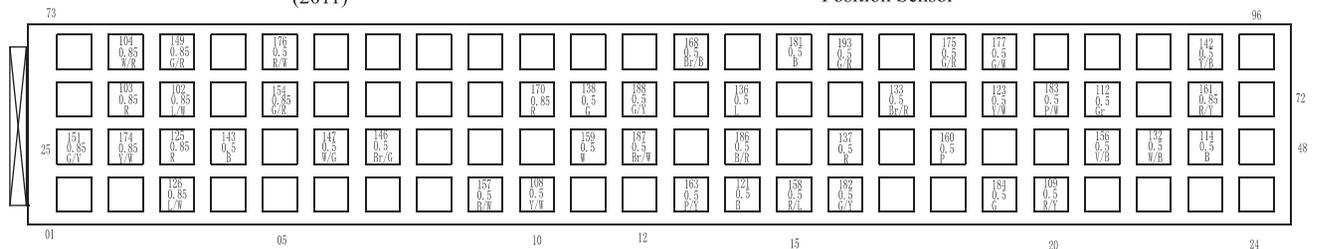
Brake Lamp Switch (2011)



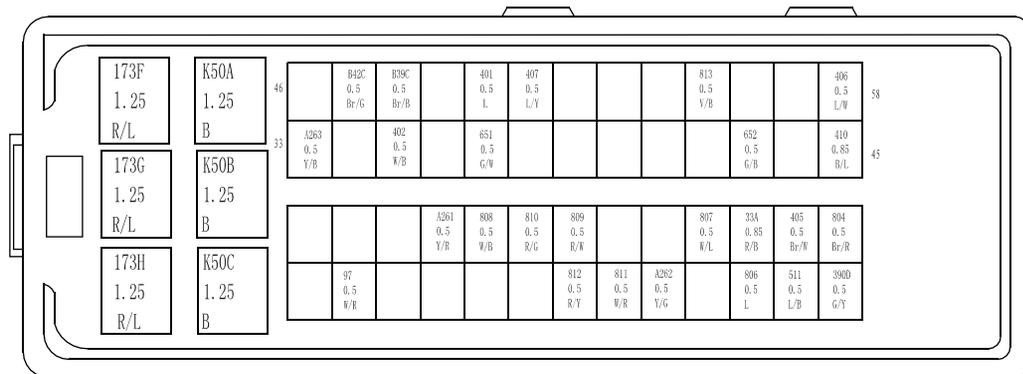
Clutch Switch



Connecting Accelerator Position Sensor

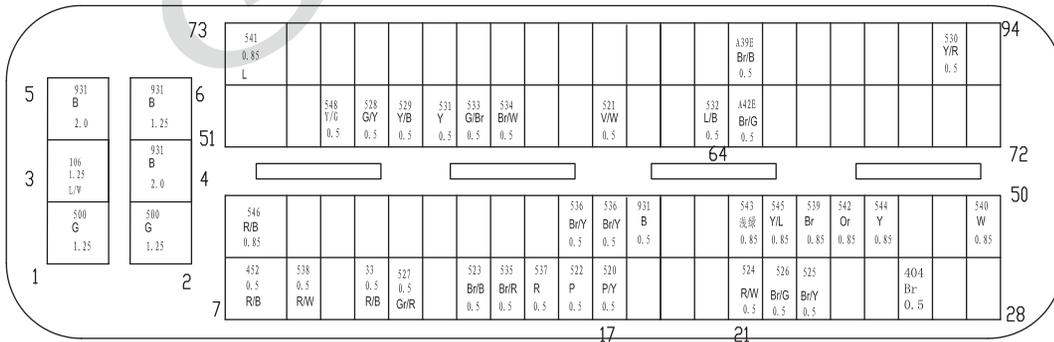
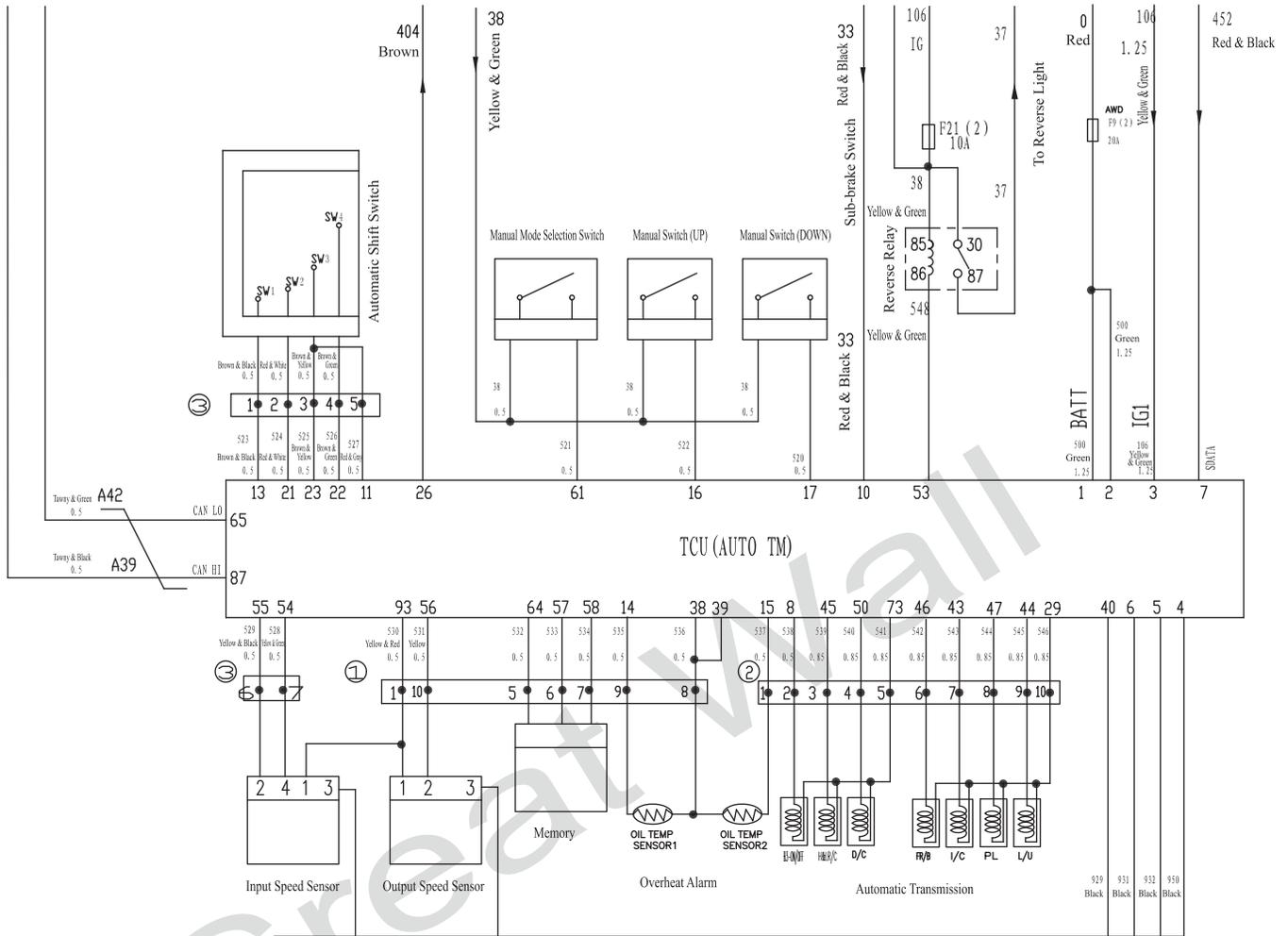


ECU1



ECU2

Automatic Transmission



Connecting TCU
 H: 3-1534904-4
 T: 968221-1
 T: 1241396-1
 S: 357 972 741A

537 R 0.5	538 R/W 0.5	539 Br 0.85	540 W 0.85	541 L 0.85
542 Or 0.85	543 Lg 0.85	544 Y 0.85	545 Y/L 0.85	546 R/B 0.85

Electromagnetic Clutch
 H: MG643386

45 G/V 0.85	33 R/B 0.5		38 Y/G 0.85	522 P 0.5		
931 B 0.5	562 L/W 0.5		562 R/B 0.5	931 B 0.5	561 L/R 0.5	520 P/Y 0.5

Manual Shift Switch
 H: 3SDL14FW

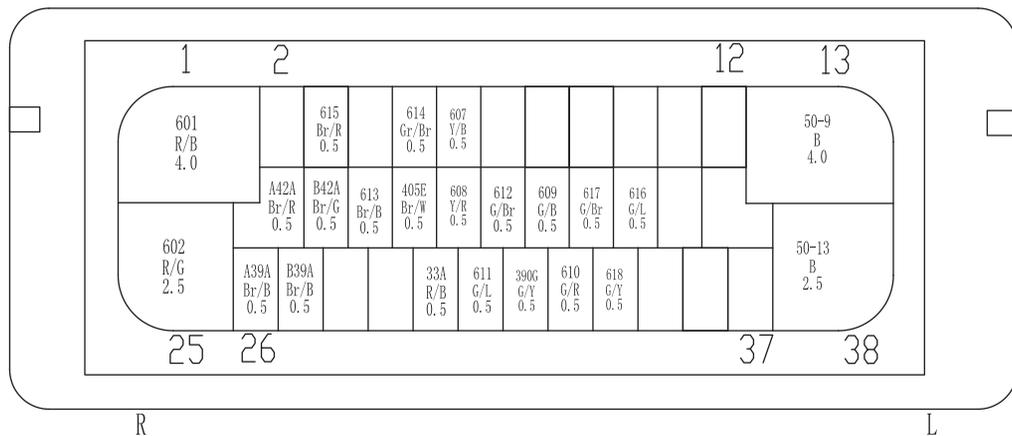
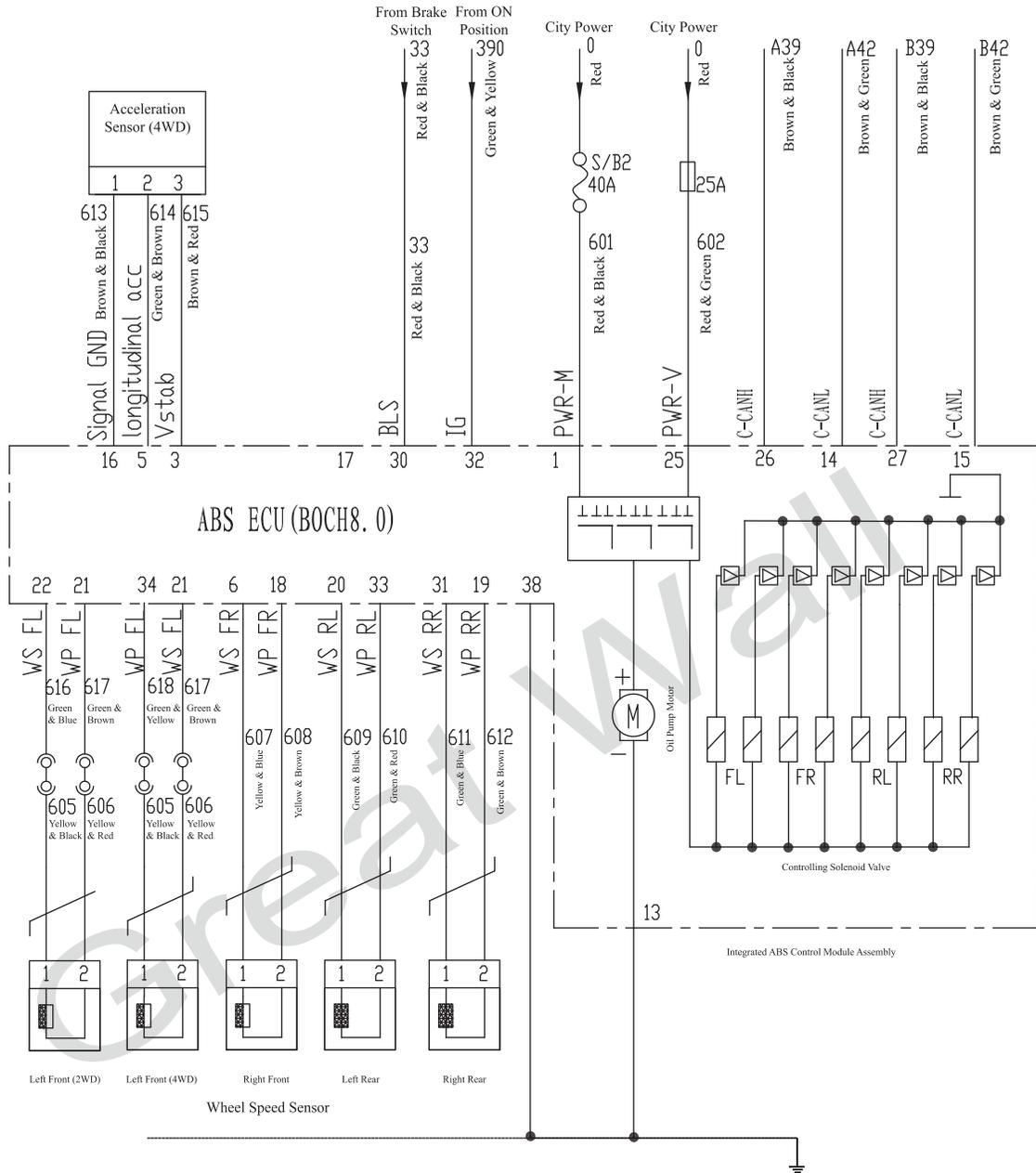
523 Br/B 0.5	524 R/W 0.5	525 Br/Y 0.5	526 Br/G 0.5
527 R/Gr 0.5	529 Y/B 0.5	528 G/Y 0.5	

Automatic Shift Switch
 H: MG643406-5

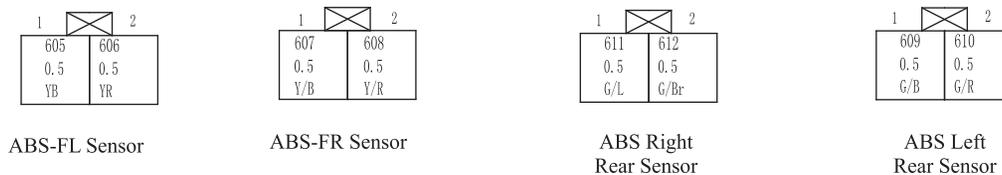
530 Y/R 0.5				532 0.5
533 0.5	534 0.5	536 0.5	535 0.5	531 Y 0.5

Storing Mechanism Fuel Temperature Alarm
 H: MG613408-4

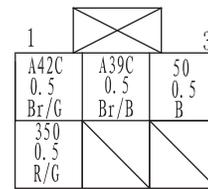
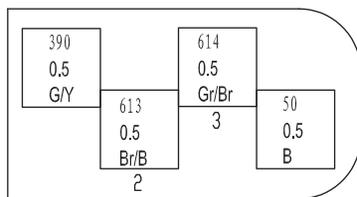
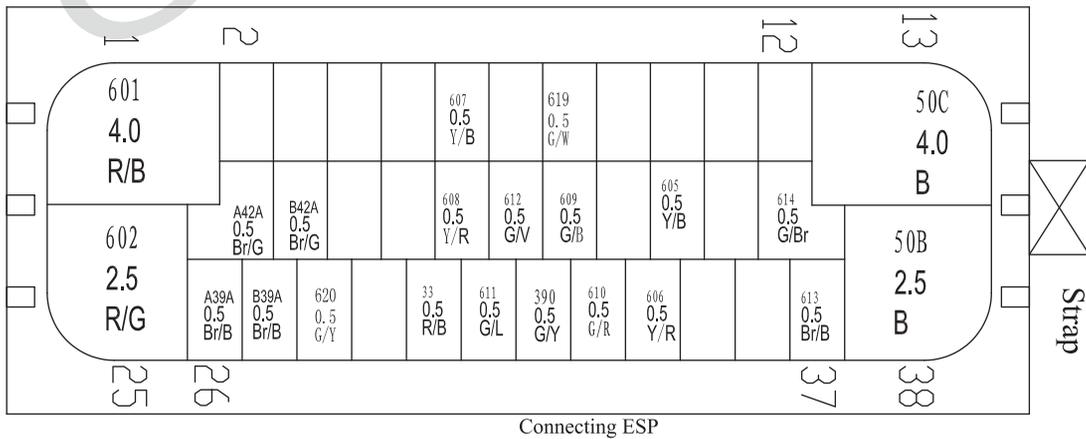
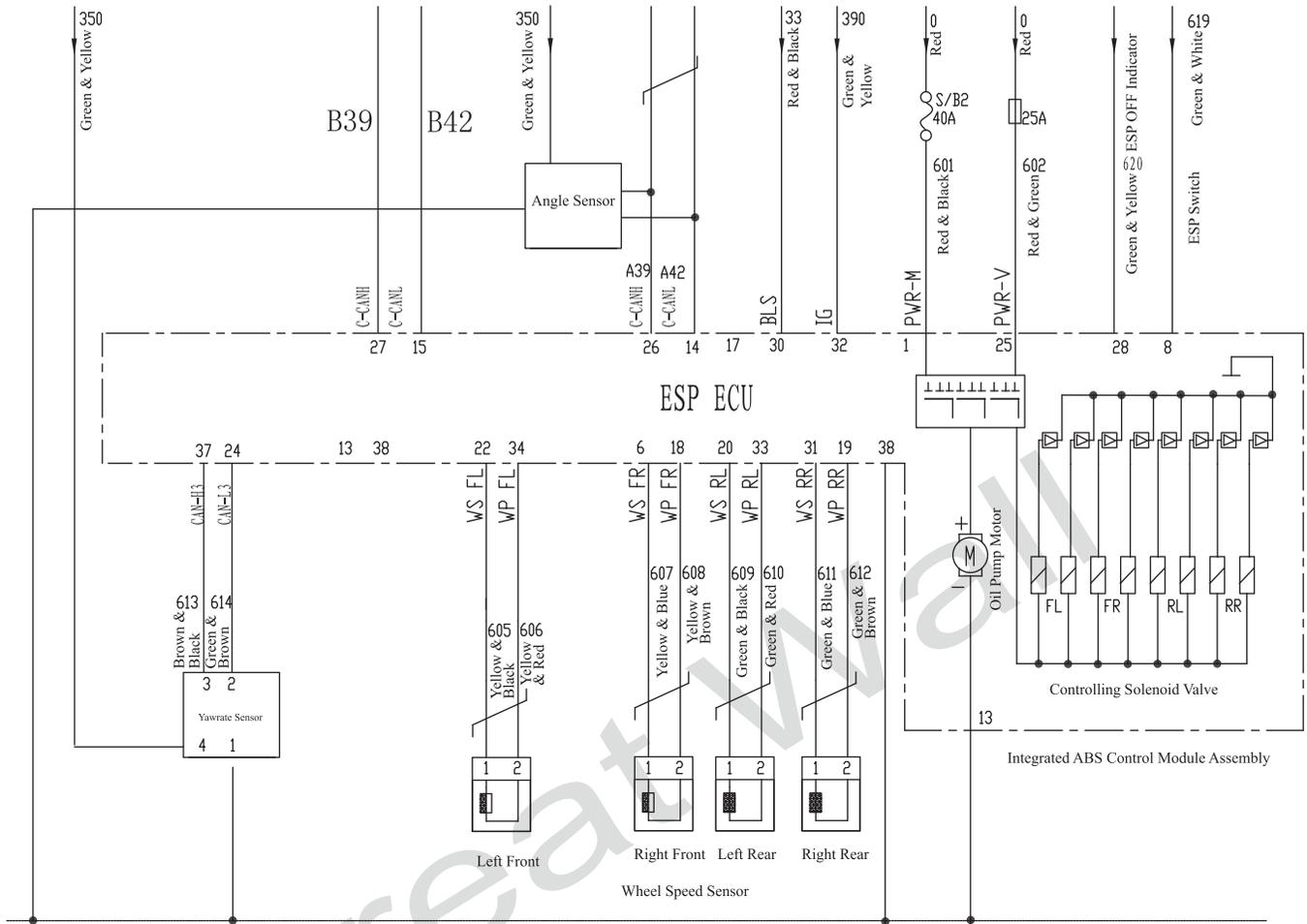
ABS System



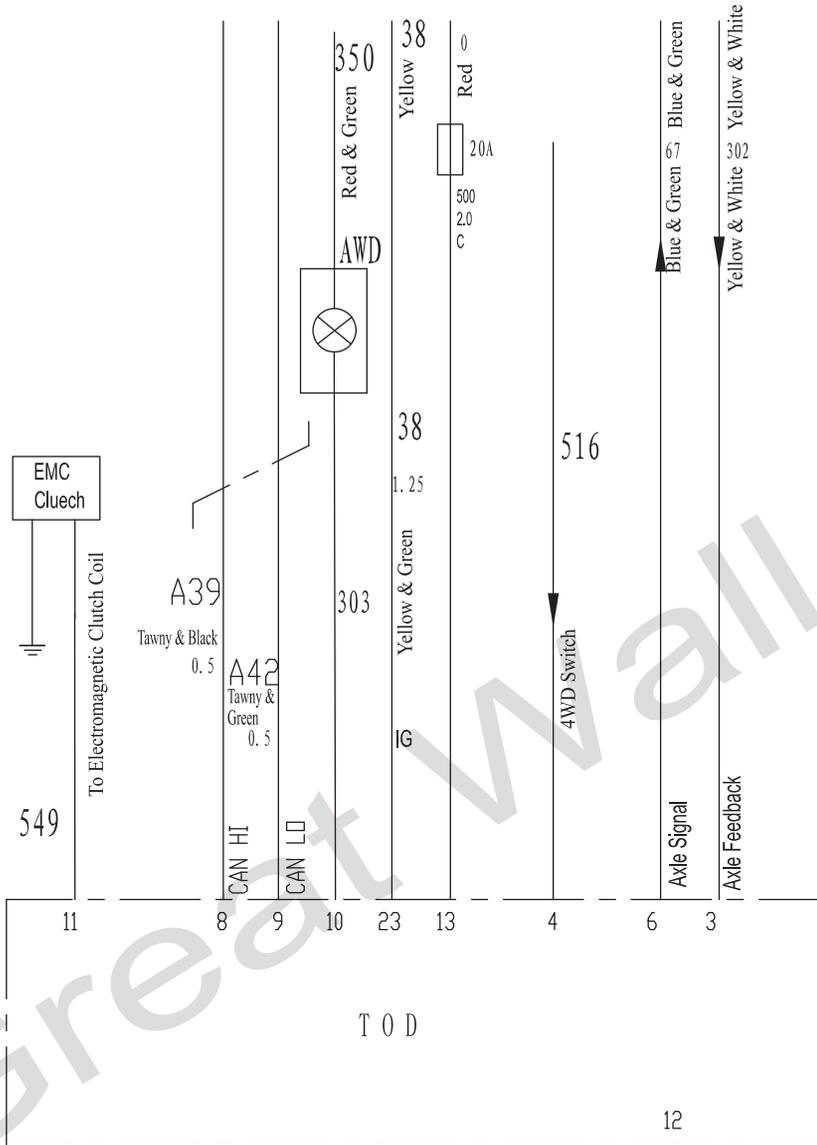
Connecting ABS



ESP System



TOD



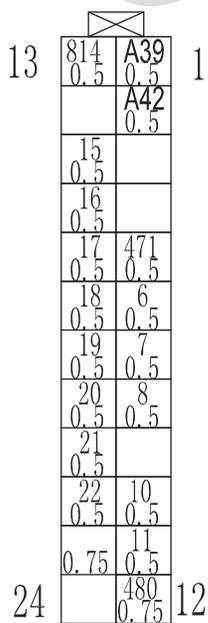
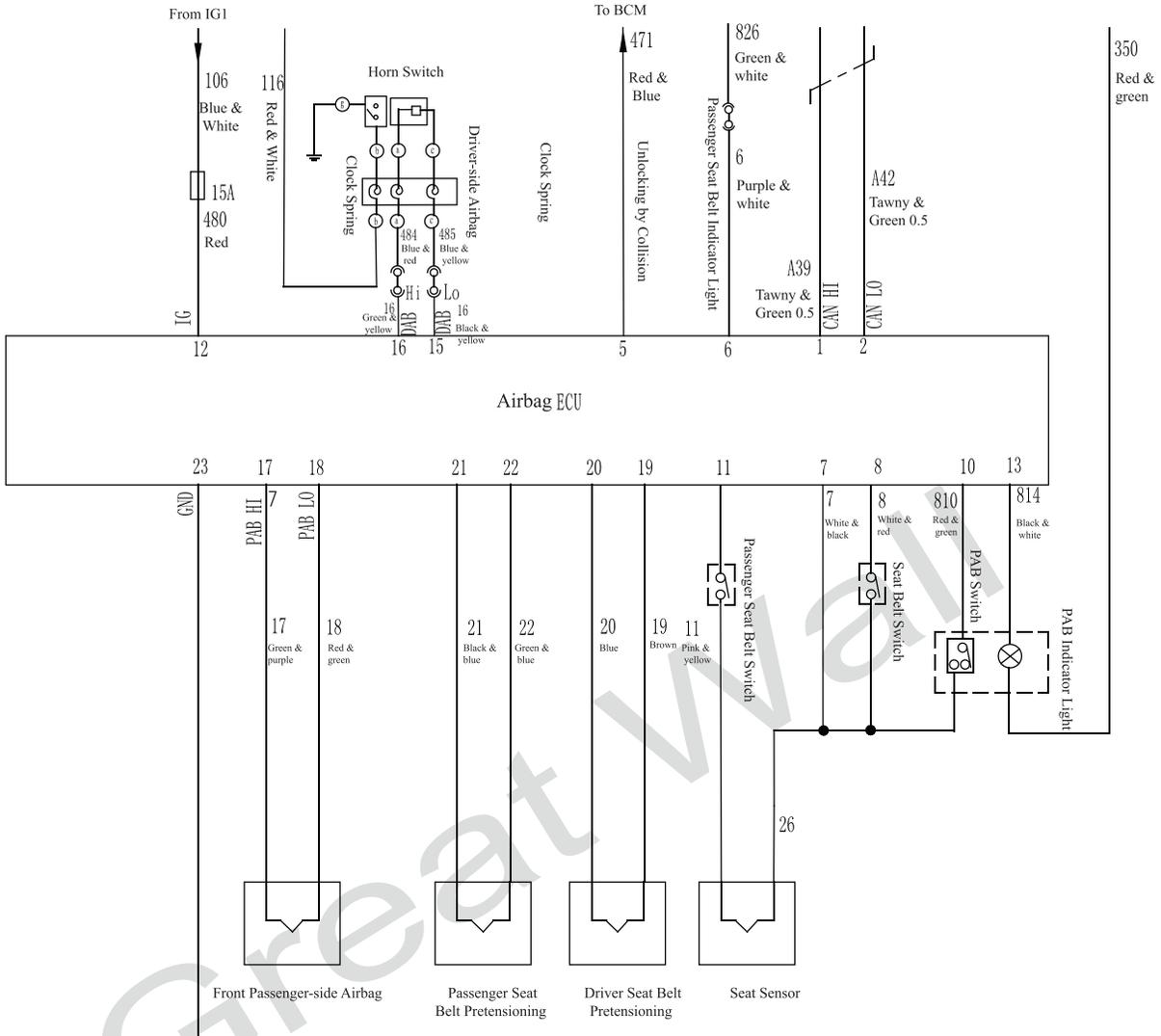
549
1.25
L/R

Connecting
Electromagnetic Coil
T:1207 7411
S:1201 5323

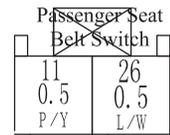
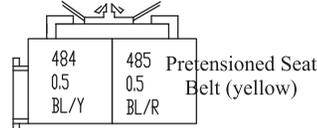
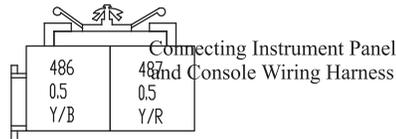
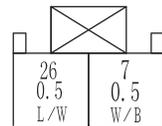
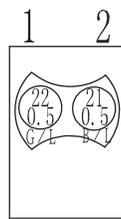
500	931	549	303	A42B	A39B		67		516	302		
1.25	1.25	1.25	0.5	0.5	0.5		0.5		Y/L	0.5		
G	B	L/R	Y	Br/G	Br/B		L/G		0.5	Y/W		
			38									
			0.75									
			Y/G									

Intelligent Four-wheel Drive Controller
H: 368136-1
T: 173716-1 13EA
T: 173631-1 9EA

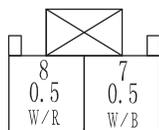
Airbag Electronic Control System



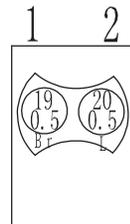
A42 0.5 R/Y	480 0.75 R	X			6 0.5 V/W
A39 0.5 B r/B	471 0.5 R/L	814 0.5 B/W	10 0.5 O r/G		7 0.5 W/B



Connecting PAB Generator (yellow)



Connecting Clock Spring (yellow)



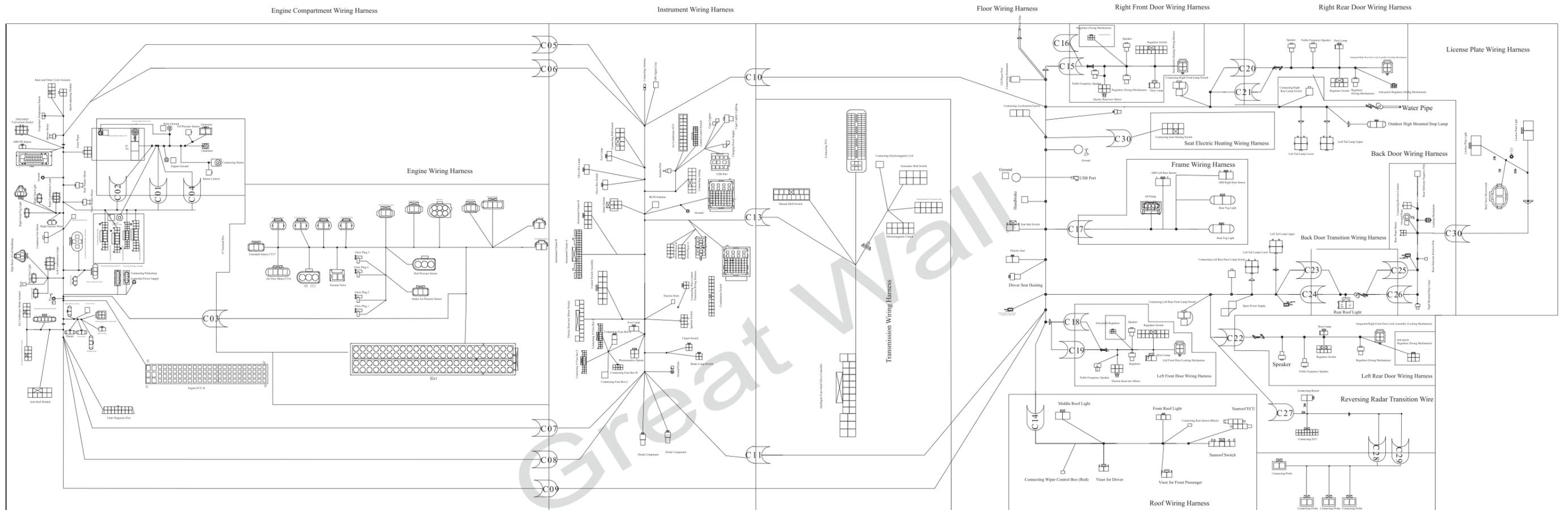
Seat Sensor

Connecting Airbag ECU

Driver Seat Belt Switch

Pretensioned Seat Belt (yellow)

Relationship between Wiring Harnesses and Connector Connection Number Chart



Cruise Control System

1. Introduction of Cruise Function

Cruise control can help you to maintain the preset speed (no lower than 60 km/h) without the requirement of stepping accelerator pedal. When driving on a straight and smooth highway, this function can be enabled. The function is not recommended to be enabled in urban, winding or slippery roads, and rainy or other bad climatic conditions.

2. Introduction of Cruise Switch



As shown in the figure: "RES/+" refers to the combination button of cruise recovery and acceleration; "SET/-" refers to the combination button of cruise setting and deceleration; "CRUISE" refers to main cruise switch button; "CANCEL" refers to cruise cancellation button.

3. Cruise Setting

- Accelerate your vehicle to the speed you want to set (the speed must exceed 60 km/h), and press the main switch of cruise control - "CRUISE" button. Then, the cruise indicator in instrument will be illuminated. During cruise, the indicator will always keep on.
- Then, press the "SET/-" button on steering wheel while releasing accelerator pedal. The vehicle will run at the speed you set, meanwhile, the set speed will be displayed on the instrument LCD in digital form.

4. Increase of Cruise Speed

During cruise, the cruise speed can be increased by any of the following methods:

- Press the "RES/+" button for a long time (longer than 0.4 s), the cruise speed of vehicle will be increased continuously. When the cruise speed is up to the speed you want, release the "RES/+" button. Then you can cruise at the current speed.
- Once press the "RES/+" switch and release immediately (pressing time less than 0.4s), the cruise speed will be increased by 3 km/h.

Increase vehicle speed under cruise mode temporarily:

When vehicle is under cruise mode, if you want to increase vehicle speed temporarily, step down the accelerator pedal to a certain value for speeding up. Speeding up neither affects the operation of cruise system nor changes the set cruise speed. After releasing the accelerator pedal, the speed will return to the set cruise speed.

5. Decrease of Cruise Speed

Use any of the following operation methods:

- Press "SET/-" button for a long time (longer than 0.4s and shorter than 100s), the cruise speed of vehicle will be decreased continuously. When vehicle speed is down to the speed you want, release the "SET/-" button. Then you can cruise at the current speed.
- Once press the "SET/-" button and release immediately (pressing time shall be less than 0.4s, and 100s). the cruise speed will be decreased by 3 km/h.

6. Cruise Cancellation

Any of the following methods can be adopted:

- Step down the brake pedal.
- Press the "CANCEL" button on steering wheel.
- The vehicle speed is lower than 60 km/h or higher than 170 km/h.
- Cruise Cancellation Caused by Fault
- Others

If you want to continue to use cruise control, after the relevant conditions are satisfied (1. vehicle speed is higher than 60 km/h; 2. cruise switch is kept on), press the "RES/+" button on steering wheel, then you will return to the speed when cruise is cancelled for the last time.

7. Cruise Close

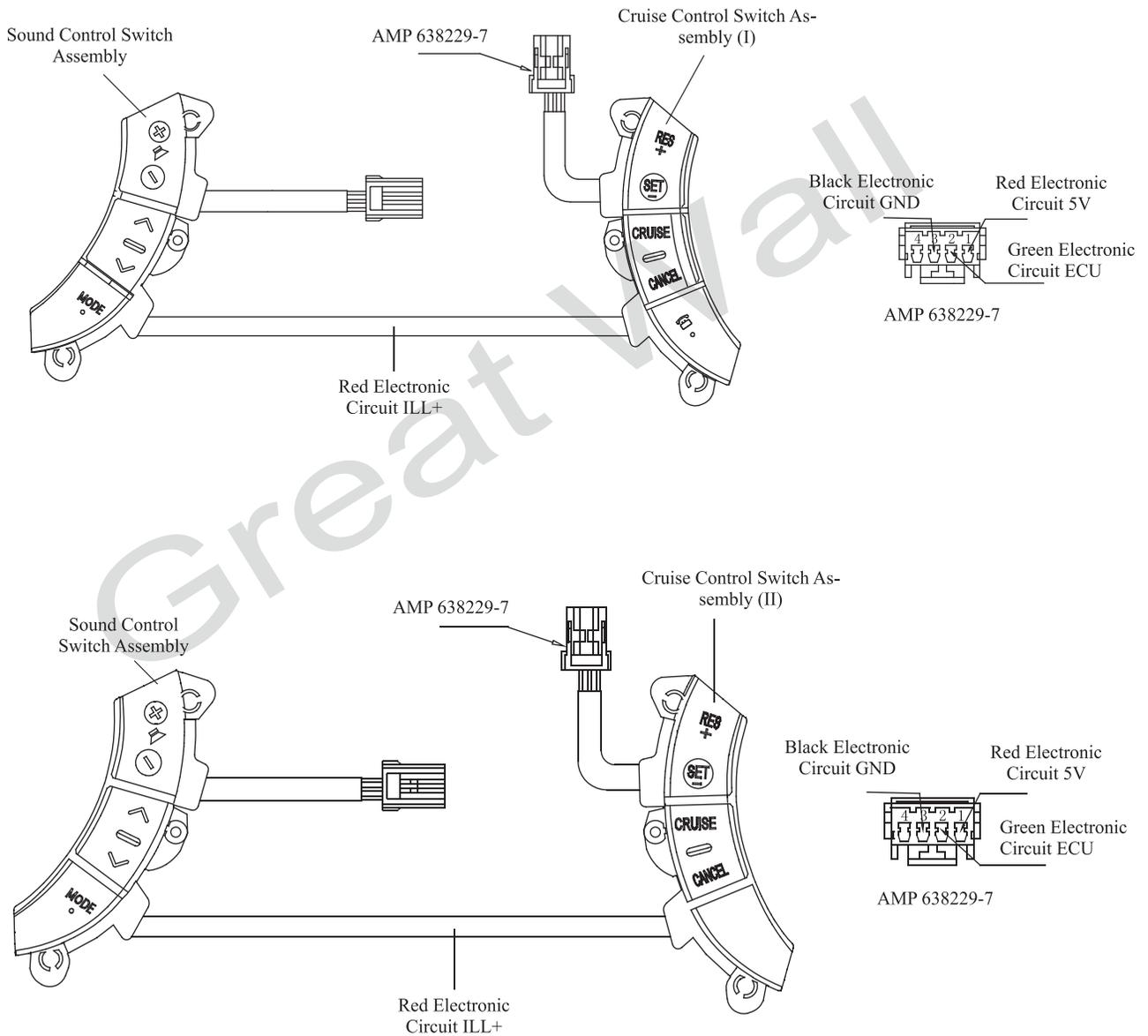
For cruise close, use any of the following operation methods:

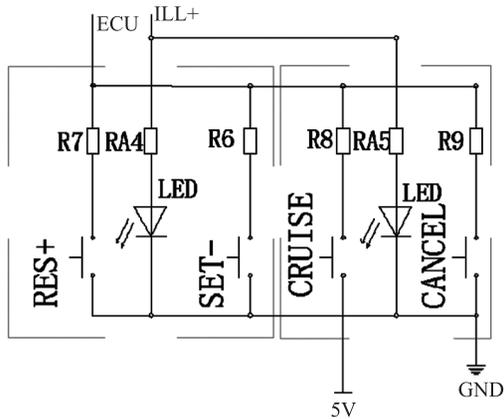
- (a) Press the "CRUISE" button again, and then the cruise indicator on instrument panel will go out.
- (b) Turn off the ignition switch.

By either of the above two methods, cruise system can be closed. After close, if you want to restore to cruise mode, you must follow the "Cruise Setting Description" procedure for resetting.

8. Cruise Control Switch Assembly

- (a) Circuit Schematic Diagram





Name	Resistance Value	Requirement
R7	910Ω	±1%
R6	220Ω	±1%
R8	3900Ω	±1%
R9	0Ω	±1%
RA4\RA5	4.7K	±5%

(b) Fault Symptom Treatment Index

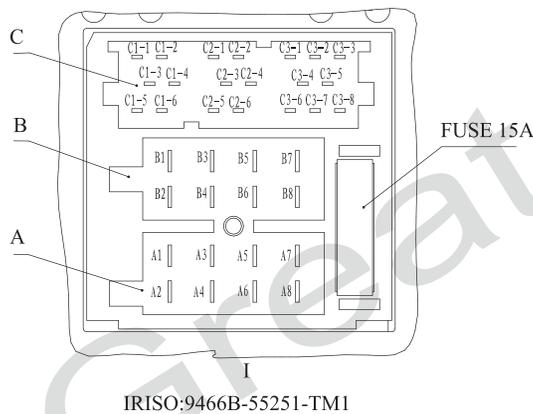
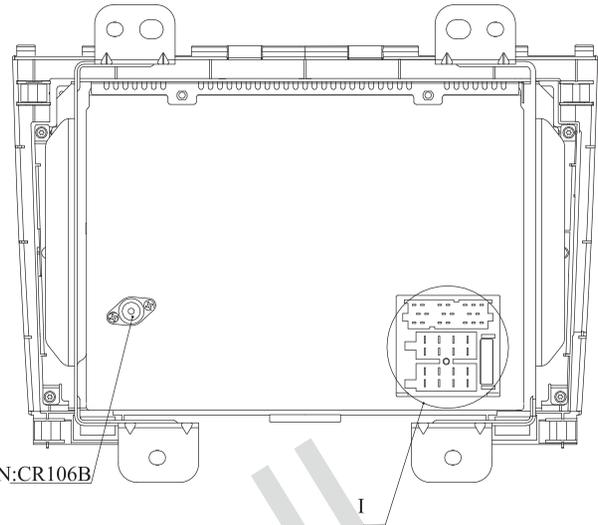
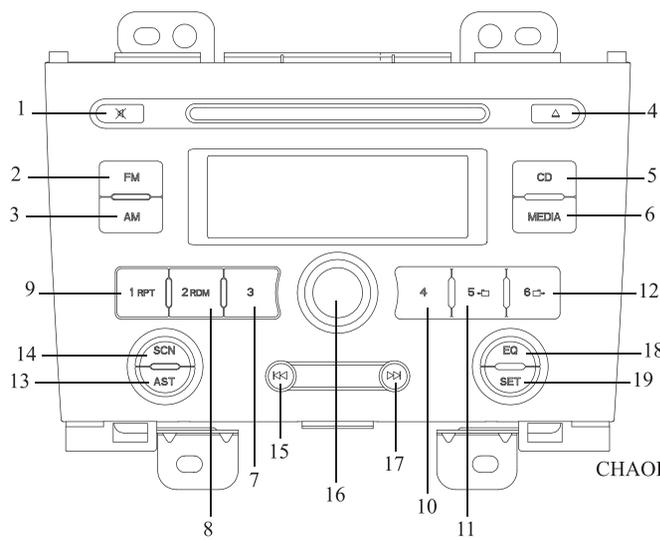
Fault Symptom	Diagnosis Procedure
No Resistance or incorrect resistance output is gotten when pressing a button	<ol style="list-style-type: none"> 1. Inspect if the patch is wrong 2. Inspect if the patch resistor is faulty soldered 3. Inspect if the sleeve wiring harness is soldered at a wrong position 4. Inspect if conductivity of the conductive rubber is good 5. Inspect if the button bead is forgotten to be mounted
Backlighting can not be illuminated or with inconsistent light	<ol style="list-style-type: none"> 1. Inspect if the light emitting diode is faulty soldered 2. Inspect if the patch resistor is wrongly soldered

(c) Cruise Switch Test

- Press the RES+ Button to inspect if the resistance value between ECU and the "3" pin is 910Ω±1%
Inspect the R7 patch resistor and 910Ω precise resistor
- Press the SET Button to inspect if the resistance value between ECU and the "3" pin is 220Ω±1%
Inspect the R6 patch resistor and 220Ω precise resistor
- Press the CRUISE Button to inspect if the resistance value between ECU and the "5V" pin is 3900Ω±1%
Inspect the R8 patch resistor and 3900Ω precise resistor
- Press the CANCEL Button to inspect if the resistance value between ECU and the "3" pin is 0Ω±1%
Inspect the R9 patch resistor and 0Ω precise resistor
- Inspection of Button Backlighting (Comparing with Sample)
The backlighting is a 4.7K general patch resistor
Inspect if luminous intensity and wave length of the light emitting diode are within the same bin

CD1085

Panel Function and Electrical Connection Diagram



Description of Buttons

1. MUTE Button
2. FM Button: FM Band Selection
3. AM Button: AM Band Selection
4. Disc Eject Button
5. CD Button: CD Mode Selection
6. MEDIA Button:
 - USB Mode
 - AUX Mode

7-12 Preset Radio Buttons

Radio Mode:

18 FM radios and 12 AM radios

CD Mode:

Shortly pressing the "1" button can realize the function of Repeat Play.

Shortly pressing the "2" button can realize the function of Random Play.

MP3/USB Mode:

Shortly pressing the "1" button can realize the function of Repeat Play.

Shortly pressing the "2" button can realize the function of Random Play.

Shortly pressing the "5" button can realize the function of Upward Selection of Folder.

Shortly pressing the "6" button can realize the function of Downward Selection of Folder.

13. AST Button: pressing the button for a long time can help to store radios automatically
14. SCN Button:

Radio Mode: Execute the function of Radio Browse

CD/MP3/USB Mode: Execute the function of Track Browse

15/17. Fast Reverse/Fast Forward Button:

Radio Mode:

Press such keys shortly to execute the functions of Radio Upward/Downward Search

Press such keys for a long time to execute the functions of Manual Radio Search

CD/MP3/USB Mode:

Press such keys shortly to execute the functions of Track Upward/Downward Selection

Press such keys for a long time to execute the functions of Fast Forward/Fast Reverse

16. POWER Button Power Switch and Volume Adjusting

18. EQ Button: Sound Effect Mode Selection

19. SET Button: Sound Source Selection

Definition of Pins

Hole Position	Signal	Description	Hole Position	English Label	Chinese Label	Hole Position	English Label	Chinese Label
C1-1								
C1-2								
C1-3								
C1-4								
C1-5								
C1-6								
C2-1								
C2-2								
C2-3								
C2-4								
C2-5								
C2-6								
C3-1	USB_D+	USB DATA+	B1	RL-	Left Rear Audio Output	A1	KEY+	Keying Input
C3-2	USB_D-	USB DATA-	B2	RL+		A2	KEY_GND	Keying Grounding
C3-3	USB_BATT	USB +5VDC	B3	FL-	Left Front Audio Output	A3		
C3-4	USB_GND	USB Ground	B4	FL+		A4	ACC	Ignition Detection
C3-5	Shield_GND	USB Shield Ground	B5	FR-	Right Front Audio Output	A5	P.ANT	Antenna Power
C3-6	AUX_L	AUX Left Channel	B6	FR+		A6	ILLUNMI	Headlamp Detection
C3-7	AUX_R	AUX Right Channel	B7	RR-	Right Rear Audio Output	A7	BATT+	Power+
C3-8	AUX_G	AUX Ground	B8	RR+		A8	GND	Ground Wire

Safety Notice

1. Precaution

- (a) It can only be used in 12V DC powered system with its negative pole grounded.
- (b) When mounting and connecting, it is required to cut off the negative pole of vehicle battery.
- (c) When replacing fuse, it is required to ensure that the fuses used are of the same specification. If fuses of a different specification have been used, serious damage may be caused to the player.
- (d) Do not try to disassemble the player, as the laser beam in the laser head is harmful to eyes.
- (e) Ensure sharp pins and external objects will not be introduced into the player. Otherwise, faults may be caused, or equipment may be endangered, such as electric shock or laser beam exposure.
- (f) If your vehicle has been placed under too-hot or too-cold environment for a long time, it is possible that no operation can be conducted until the internal temperature is restored to normal.
- (g) Adjust the volume to the position where external alarms, such as horn sound, can be heard.

2. CD Notes

- (a) Playing defective or dusty CD discs may cause incoherent sound.
- (b) Do not touch the disc side with no label.
- (c) Do not place any sealing strap, label or data protection tab on either side of the disc.
- (d) Do not expose CD discs to sunlight or too-hot environment directly.
- (e) Use a piece of clean soft cloth to wipe dirty discs from the inside radically out to the edge.
- (f) Do not use such solvent as alcohol or gasoline for wiping.
- (g) The player cannot play CD discs of 3in. (8cm).
- (h) Do not insert CDs of 3in. size or irregular shapes. By doing so, discs may be unable to be ejected, thus causing faults.

3. Before Operation

- (a) Do not set a too-high volume of sound, as too-loud sound may prevent external sound, thus causing traffic accidents.
- (b) Before any complex operation, it is required to park the vehicle first.

Specification

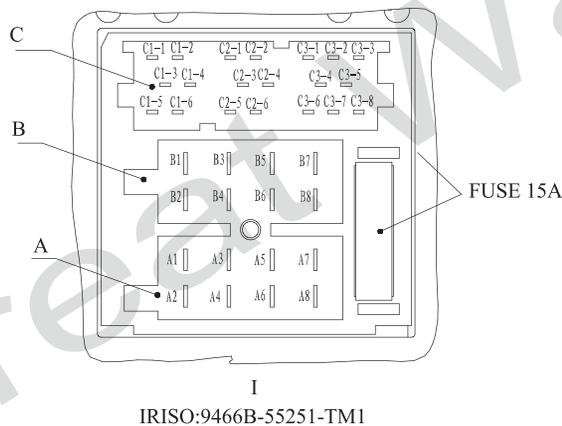
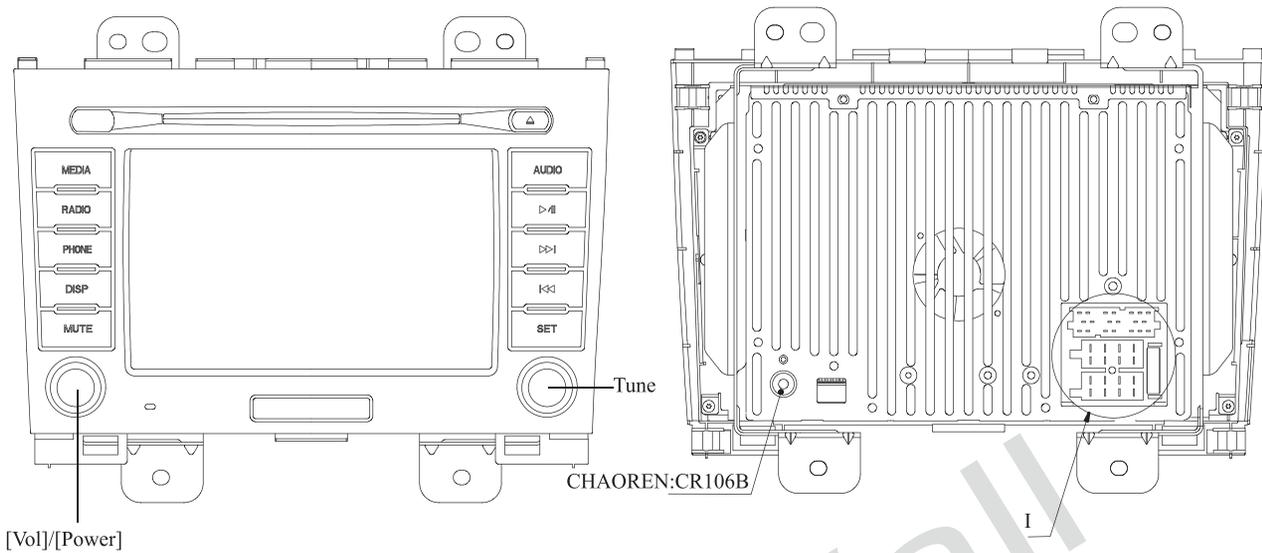
Power	12V Current (11V-16V), Negative Pole Grounding
Maximum Output Power	45W×4 Channels
Continuous Output Power	25W×4 Channel CD Play Mode (4Ω 10% T.H.D.)
Applicable Speaker Impedance	4-8ohm
Fuse Specification	10A
Dimension (Width × Height × Depth)	220×195×160mm
Weight	2.38kg
Display	Frequency, Band, Fixed Radio Button, CD/MP3 Function
FM Stereo Radio	Frequency Range: 87.5-108.0MHZ
	Sensitivity: 7dBμ
	Frequency Response: 30Hz-15kHz
	Stereo Crosstalk: 30dB(1kHz)
	Image Frequency Inhibition Ratio: 50dB
	IF Response Rate: 50dB
	Signal to Noise Ratio >55dB
AM Radio	Frequency Range: 531-1629KHz
	South American Frequency Range: 530-1,720KHz
	Sensitivity (S/N=20dB): 26dBμ

Fault and Troubleshooting

Problem Behavior	Reason	Measure
General Problems		
No Power or Sound	The ignition switch of the vehicle is off	Please turn on the ignition switch of the vehicle
	Fuse Blown	Replace by fuses of the specified specification
	Volume or Mute Off	Check if Volume or Mute is turned on
Disc Problems		
Disc has been loaded but no sound can be received	The disc is placed with its back side down	Place the disc correctly with its front side down and its label up
	Disc is dirty or seriously scratched	Clean the disc or replace by a new disc
Sound-skipping phenomenon occurs to disc, causing poor sound quality.	Disc is dirty or seriously scratched	Clean the disc or replace by a new disc
Radio Problems		
Loud Radio Noise	Radio station is too far or signal is too weak	Select other radios with higher signal level
Pre-selected radios is missed	Connection of battery cables are incorrect	Connect the battery cables to terminals often charged
Display of Error Information		
CD ERR	Disc is placed with its back side down	Place disc correctly with its front side down and its label up
	Format is not supported or file error occurs	Inspect the disc
	CD Player Error	Press "Disc Eject Button" to eject the disc. If it is unable to eject the disc, press the "REST" button, and then "Disc Eject Button" for ejecting

DVD109 and DVD110

Introduction of Panel Button Function and Interface Definition



IRISO:9466B-55251-TM1

Button Function

Button Name	Functionality	Description
MEDIA	Media/Aux Play	Shift among Disc/USB/AUX modes
RADIO	Radio	Selection of Radio Mode
PHONE	Bluetooth phone	Enter main menu of bluetooth
DISP	Display setting	Enter main menu of display setting
MUTE	Mute/Unmute	Mute Mode On/Off
AUDIO	Audio Setting	Enter main menu of audio setting
SET	System setting	Enter menu of system setting
▶/	Play/Pause	Pause/Play Button
▶▶	Seek up / Fast Forward / Track up	For radio mode, shortly press the button to search radios downward automatically; for media play mode, shortly press the button to select the next track, and press it for long for fast forward.
◀◀	Seek up / Fast Forward / Track up	For radio mode, shortly press the button to search radios upward automatically; for media play mode, shortly press the button to select the previous track, and press it for long for fast reverse.
Eject	Eject/Reload	Eject the disc
[Vol] knob/[Power] button	Power on/off	Press for a long time to turn off the radio
	Volume up/down	Turn leftward/rightward to adjust the volume level
Tune	Manual tune up/down	Turn to change radios manually

Interface Definition

Hole Position	English Label	Chinese Label	Hole Position	English Label	Chinese Label	Hole Position	English Label	Chinese Label
C1-1	video -	Rearview Mirror Input -						
C1-2	video +	Rearview Mirror Output +						
C1-3								
C1-4								
C1-5								
C1-6								
C2-1	REVERSE	Reverse Detection						
C2-2	BRAKE	Speed Detection						
C2-3								
C2-4								
C2-5								
C2-6								
C3-1	USB_D+		B1	RL-	Left Rear Audio Output	A1	KEY+	Keying Input
C3-2	USB_D-		B2	RL+		A2	KEY_GND	Keying Grounding
C3-3	USB_BATT		B3	FL-	Left Front Audio Output	A3		
C3-4	USB_GND		B4	FL+		A4	ACC	Ignition Detection
C3-5	Shield_GND		B5	FR-	Right Front Audio Output	A5	P.ANT	Antenna Power
C3-6	AUX_L		B6	FR+		A6	ILLUNMI	Headlamp Detection
C3-7	AUX_R		B7	RR-	Right Rear Audio Output	A7	BATT+	Power +
C3-8	AUX_G		B8	RR+		A8	GND	Ground Wire

Notes

1. Warning

- (a) During driving, do not operate the CD player to avoid dangers due to lack of concentration.
- (b) If a long time is required for operating the player, please park the vehicle, as negligence of the above key point may cause traffic accident.
- (c) Keep volume to the level at which external noise can be heard, otherwise, traffic accident may occur.
- (d) Do not disassemble or remodel, as disassembly and remodeling may cause accidental fire or get an electric shock.
- (e) Only the vehicle having 12V voltage battery with negative terminal grounded can be used (if you cannot assure, contact the distributor), otherwise, fire or other accidents may be caused.
- (f) Do keep small parts away from children. Once any small part is swallowed by children, go to the hospital immediately.
- (g) When replacing fuse, it is required to select fuse of the specified ampere, otherwise, fire disaster or other accidents may be caused.
- (h) Do not block vents or radiating panels, otherwise, fire may be caused due to internal heat concentration.
- (i) This product can only be used for vehicles with 12V battery. If this product is used in regions other than its design region, fire, electric shock or other dangers may be caused.
- (j) Do not insert your hands, figures or other foreign objects into the disc inlet or any gap, otherwise, personal injury or equipment damage may be caused.

2. Notes

- (a) This player is only applicable for standard 12cm discs.
- (b) Do not insert broken, deformed or damaged discs, as playing damaged discs may cause serious damage to the player.
- (c) When the player is powered off, it is forbidden to insert disc forcibly.
- (d) Only round discs, rather than other special shaped discs, can be used for this player, otherwise, the player may be damaged.
- (e) Do not mount the player at positions with direct sunlight, high humidity, much dust or obvious vibration, so as to prevent shortening the use life of the player or damaging the player.
- (f) Please clean discs timely, as dust and dirt may cause player performing discontinuous sound.

Product Specification

System Parameters	
Name	Specification
Working Voltage	10V-16V
Working Current	MAX 10A
Rated Voltage	12V
Rated Current	Current changes with different factors, such as playing mode, volume level, etc. In case of 12V rated voltage input, the rated current is ranged from 1.0A to 5.5A
Quiescent Current	3MA
Working Temperature	-20°C-70°C
Screen Dimension	7in. (diagonal)
Resolution	800(H)*RGB* 480(V)dot

Performance Parameters

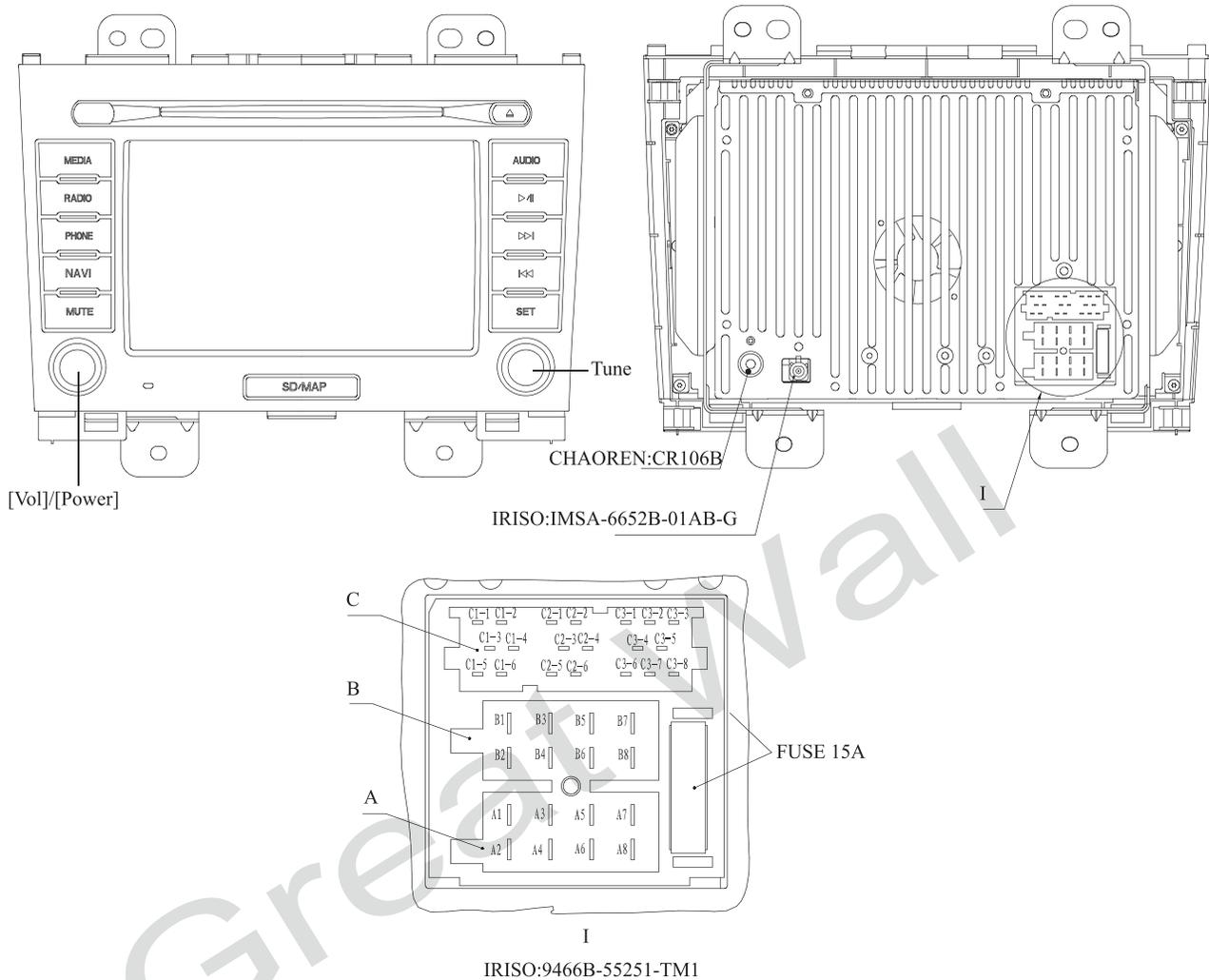
Radio Parameters	
Name	Specification
Frequency Range	AM:531K-1629K FM:87.5MHz-108.0MHz
Tuning Mode	Phase-locked Loop Frequency Synthesis Tuning
Display Manner	Screen TFT Chinese OSD Display
Quantity of Saved Radios	FM:18 AM:12
Search Manner	Automatic/Manual
DVD Parameters	
Disc Specification	CD/VCD/CD-R/CD-RW/CD-ROM/DVD-R/Multi-sessionDVD/ Multi-sessionCD
Video Format	NTSC
Audio Format	Mp3/MPEG1/MPEG2/WMA
Audio Output	Stereo (R, L)
Built-in Amplifier Parameter	
Rated power	4×20W
Speaker Impedance	4 ohm
USB Parameter	
USB Interface	SCSI
BLUETOOTH Parameters	
Technical Specification	Bluetooth 2.0w
Function Introduction	Telephone Answering, Hanging up and Caller Identification
Reverse Camera	
Function Introduction	When reversing, view the rear condition of vehicle through video

Fault and Troubleshooting

Problem	Possible Cause	Measure
Nothing is displayed on LCD screen	Power switch and ignition switch are not turned on	Turn on the switch
	Fuse Blown	Replace by a new fuse
Unable to play sound	System is in mute state	Press MUTE key to turn off mute
	Loudspeaker box cables are loose	Reconnect
	Loudspeaker box is damaged	Replace by a new loudspeaker box
Unable to play video	Disc is not properly positioned	Properly place the disc onto the tray
Occasional Discontinuous Sound	Disc is dirty or damaged	Clean the disc or use another disc
Discontinuous Sound when Vibration	Disc is dirty or damaged	Clean the disc or use another disc
	Player is not correctly mounted	Ensure the player is firmly fixed

DVD111

Introduction of Panel Button Function and Interface Definition



Button Function

- NAVI: Enter Navigation System
- SD/MAP: Navigation Card Position
- Other buttons are similar to DVD109 and DVD110.

Interface Definition

Similar to DVD109 and DVD110.

Notes

1. Navigation System

- (a) Navigation system is only used for auxiliary tips in driving process, please use this system on the basis of following actual traffic rules.
- (b) Due to traffic construction development, navigation electronic map data may be inconsistent with the actual road traffic directions, your shall drive on the basis of the actual road traffic directions. Also, update the map data promptly.
- (c) During driving, watching or operating the navigator may cause traffic accidents. Please operate the navigator when parking.
- (d) The map data only covers Mainland China, excluding Hong Kong, Macao and Taiwan.
- (e) The national and provincial boundaries are indicative presentations, which are not the basis for dividing.
- (f) As the product is updated continuously, actual operation steps may not totally in accordance with this instruction, subject to the actual operation.
- (g) Navigation system setting has speed locking function. After speed exceeds a certain limit, part of functions will be forbidden.

- (h) After the product is discarded, please properly dispose it to avoid pollution.
- (i) After the navigator has started, a certain period is required for satellite antenna to capture and trace satellites. In this period, no signal will be shown, which is considered to be normal. As long as waiting for a while, normal working state will appear.
- (j) GPS signal is weak signal. When obstacles, such as elevated road or buildings, appear above GPS antenna or vehicle is in a tunnel, it may be impossible to receive GPS signal. If the "GPS" characters on the map interface are red, it represents that GPS signal is poorly received.
- (k) The system identifies the current position of vehicle by using GPS information, various sensors, road map and other data. However, as GPS satellite is managed by United States Department of Defense, who may reduce the positioning accuracy intentionally in some conditions, thus causing the vehicle position sign deviating from its correct position. When several signal paths occur due to building reflection, positioning error may also increase, and the vehicle position sign may also deviate from its correct position. When precision status of wave launched by man-made satellite is with bad status, or waves launched by only two or less man-made satellite can be received, positioning error may also be generated, causing the vehicle position sign deviating from its correct position.

2. Other Parts

Notes are similar to DVD109 and DVD110.

Product Specification

Similar to DVD109 and DVD110.

Performance Parameters

Similar to DVD109 and DVD110.

Fault and Troubleshooting

Similar to DVD109 and DVD110.

Great Wall

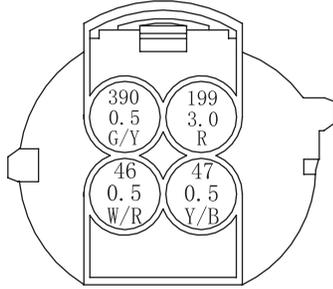
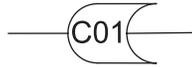
Body Electric Apparatus (K5-4G69-4D20 Right Hand Drive)

Function Chart for Numbered Pins of Intermediate Connection of Wire Harness	2
Electric Door and Window	18
Electric Rearview Mirror	19
Airbag	20
Relationship between Wiring Harnesses and Connector Connection Number Chart	21

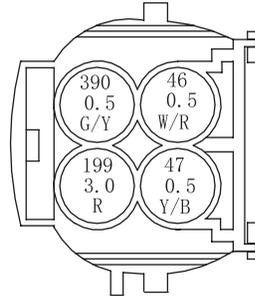
Great Wall



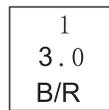
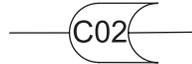
Function Chart for Numbered Pins of Intermediate Connection of Wire Harness (K5-4G69)



Connecting Power Supply Wiring Harness 1



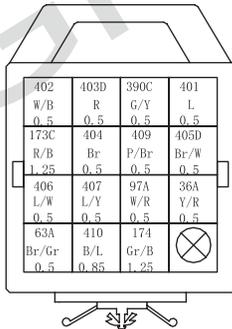
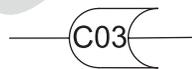
Connecting Engine Compartment Wiring Harness 1



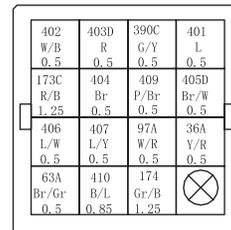
Connecting Power Supply Wiring Harness B



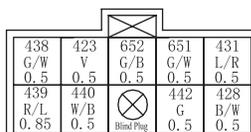
Connecting Engine Compartment Wiring Harness B



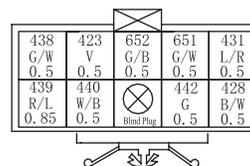
Connecting Engine Wiring Harness 1



Connecting Engine Compartment Wiring Harness 1



Connecting Engine Wiring Harness 2



Connecting Engine Compartment Wiring Harness 2

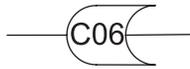


71 0.5 R/B	47 0.5 Y/B		402 0.5 W/R	46 0.5 W/R
401 0.5 L	63 0.5 Br/Gr	41 0.85 L/R	E44 0.85 R/Y	311 0.5 R/Y
	116 0.5 R/W		D44 0.85 R/L	73 0.5 L/R
173A 0.5 R/B	95 0.5 L/O	404 0.5 Br	403B 1.25 R	79 0.5 L

Connecting Instrument Panel and Console Wiring Harness 2

46 0.5 W/R	402 0.5 W/B		47 0.5 Y/B	71 0.35 R/B
281 0.35 G/Y	311 0.35 R/Y	E44 0.35 R/Y	41 0.5 L/R	63 0.5 Br/Gr
282 0.35 G/L	73 0.5 L/R	D44 0.35 R/L		116 0.5 R/W
	79 0.5 L	403 1.25 R	404 0.5 Br	95 0.35 L/Y
				173 0.5 R/B

Connecting Engine Compartment Wiring Harness 4

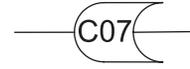


122 0.5 G/R	300 1.25 L/W		301 1.25 L/R	302 0.5 Y/W	29 1.25 L/Y
442 0.5 G	310 0.5 L	164 0.5 L/B	423 0.5 Y	438 0.5 G/W	
517 0.5 G/Y		451 0.5 R/W	173 0.85 R/B	439 0.85 R/L	34 1.25 B/W
	500 2.0 G	4 3.0 R/G	155 3.0 W/R		405 0.5 Br/W
					150 3.0 R/L

Connecting Instrument Panel and Console Wiring Harness 3

29 1.25 L/Y	302 0.35 Y/W	301 1.25 L/R		300 1.25 L/W	122 0.5 G/R
		438 0.5 G/W	423 0.5 Y	164 0.5 L/B	442 0.5 G
405 0.5 Br/W	34 1.25 R/L	439 0.85 R/L	173 0.85 R/B	451 0.5 R/W	517 0.5 G/Y
	150 3.0 R/L	155 3.0 W/R	4 3.0 R/G	500 2.0 G	

Connecting Engine Compartment Wiring Harness 3

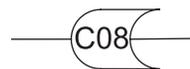


29 1.25 L/Y	315 2.0 Br			135 1.25 L/W
335 1.25 R/Y	D44B 0.85 R/L	E44A 0.85 R/Y		30 0.5 Y/R
614 0.5 Br/Br	613 0.5 Br/B			
615 0.5 Br/R	50A 2.0 B	609 0.5 G/B	610 0.5 G/R	611 0.5 G/L
				612 0.5 G/Y

Connecting Cockpit Wiring Harness

135 0.85 L/W				315A 2.0 Br	29 1.25 L/Y
30 0.5 Y/R		E44 0.5 R/Y	D44 0.5 R/L	35 1.25 Y	
			613 0.5 Br/B	614 0.5 Gr/Br	
612 0.5 G/Y	611 0.5 G/L	610 0.5 G/R	609 0.5 G/B	50Y 2.0 B	615 0.5 Br/R

Connecting Engine Compartment Wiring Harness



442 0.5 Br/R	385 0.5 L/O	C		801 0.85 R/B	338 0.5 G/R
439 0.5 Br/B	89 0.5 G			303 0.85 B/R	400 0.85 G/B
88 0.5 Y/B	186 0.5 L/B	84 0.5 L/O	78B 0.5 Br	305 0.5 B/R	38 0.85 Y/G
	186 1.25 L/O	42 0.85 G/Y	87 0.5 P/B	28 0.5 Y/W	74 0.5 L/R

Connecting Instrument Panel and Console Wiring Harness 1

318 0.35 G/R	B01 0.85 R/L			303 0.35 L/R	A42 A42A
50C 0.85 G/R	B02 0.85 R/R			89 0.35 G	439 A39A
38 0.85 L/W	B03 0.5 R/R	78 0.35 Br	84 0.35 L/B	36 0.35 R/W	88 0.35 Y/B
74 0.5 L/W	38 0.5 Y/W		41C 0.85 G/Y	186 1.25 L/W	

Connecting Engine Compartment Wiring Harness 1

C09

604 0.5 Br/B	603 0.5 Br/R	81 0.5 P	80 0.5 W	90 0.5 L/Y	31 1.25 O/L
83 0.5 W/L	82 0.5 W/B			183 1.25 L/W	182 1.25 Y
50P 2.0 B	85 0.5 P/Y	76 0.5 G/B	191 0.85 G/R	380 1.25 L/Y	184A 1.25 Gr/B

Connecting Instrument Panel and Console Wiring Harness 2

33 0.85 R/B			603 0.5 Br/R	604 0.5 Br/B
31 1.25 O/L	90 0.35 L/Y		80 0.35 W	81 0.35 P
182 1.25 Y	183 1.25 L/W			82 0.35 W/B
184B 1.25 Gr/B	380 1.25 L/Y	190 0.85 G/R	76 0.35 G/B	85 0.35 P/Y
				50G 2.0 B

Connecting Engine Compartment Wiring Harness 2

C10

833 0.85 R/B		167 1.25 L/R	
24 0.85 B/G	22 0.85 R/Y	23 0.85 Y/W	33 0.85 R/B
21 0.85 G	11B 0.85 G/R	22 0.85 O/r	26 0.85 Y/R
			261 2.0 R

Connecting Engine Compartment Wiring Harness 1B

804 0.35 B/R	CS 0.35 W/L	802 0.35 Gr/L	85 0.35 R/L	142 0.5 B/Y	584D 0.5 W/L
803 0.35 B/R	86 0.5 Y/R	349 0.5 R/L	804 0.35 B/R	801 0.35 B/R	144 0.5 R/L
					701 0.35 W/G

Connecting Engine Compartment Wiring Harness 1A

	804 0.35 B/R	373 0.5 R/B		261 2.0 R	1 0.85 O/G	38 0.85 Y/L
	805 0.5 Y/R	806 0.5 R/B			26 0.85 Y/R	33 0.85 R/B
	807 0.5 G/R	808 0.5 R/B				183 1.25 L/R
	809 0.5 Y/R	810 0.5 R/B			32 0.85 O	20 0.85 Y/W
	811 0.5 R/B	812 0.5 R/B			11B 0.85 G/R	27 0.85 R/Y
	813 0.5 R/B	814 0.5 R/B			21 0.85 G	24 0.85 B/G
						833 0.85 R/B

Connecting Instrument Wiring Harness 1

C11

T02 0.5 Br	T01 0.5 Br/L		260 2.0 R/G	37 0.85 R/B
T41 0.5 Br/R	T42 0.5 Br/W	162 0.5 B/Y	6 0.85 W/G	7 0.85 B/Y
T32 0.5 Br/Gr	T31 0.5 Br/Y			375 0.5 G/R
T51 0.5 Br/G	T52 0.5 Br/B	316 0.5 Br	13 0.85 G/R	45 0.5 G/Y
				42 0.85 G/Y

Connecting Cockpit Wiring Harness2

37 0.5 G	300 2.0 R/G			T01 0.5 Br/L	T02 0.5 Br
T2 12A	1 0.85 B/W	4 0.85 W/G	363 0.5 B/Y	T42 0.5 Br/W	T41 0.5 Br/R
11A 0.85 G/Y	315 0.5 G/B			T31 0.5 Br/Y	T32 0.5 Br/Gr
42 0.85 G/V	45 0.5 G/V	13 13A	316 2.0 Br	T52 0.5 Br/B	T51 0.5 Br/G

Connecting Instrument Wiring Harness 2

C12

50 0.5 B	183 0.5 L/W
A31 0.5 R/W	895 0.35 G/R

Photosensitive Sensor

183 0.5 L/R	C 50 0.5 B
895 0.5 G/R	31 0.5 O/L

Connecting Instrument Wiring Harness

C13

	38 0.85 L/W	500 2.0 G	423 0.5 V	
		37 0.85 Light Green	438 0.5 G/W	517 0.5 G/Y
	67 0.5 L/G		439 0.85 R/L	515 0.5 Y
		50 2.0 B	173 0.85 R/B	516 0.5 V/L
	350 0.5 R/G	39 0.5 Br/G	511 0.5 L/B	

Connecting Transmission Wiring Harness Assembly

	423 0.5 V	500 2.0 G	38B 0.85 Y/G	
517 0.75 Gr/Y	438 0.5 G/W		37 0.85 Light Green	
515 0.5 Y	439 0.85 R/L		67 0.5 L/G	
516 0.5 Y/L	173 0.85 R/B	50B 2.0 B		
	511 0.5 G/B	39 0.5 Br/G	350 0.5 R/G	

Connecting Instrument Panel Wiring Harness

C14

504 0.5 W/L	163 1.25 L/R		135 0.85 L/W
		34 0.5 W/B	50X 0.85 B

Connecting Roof Wiring Harness

135 0.85 L/W		163 0.5 Br/B	504 0.5 W/L
	50 0.85 B	34 0.5 W/B	

Connecting Cockpit Wiring Harness

C15

24 0.85 B/G		7E 0.85 B/W	6E 0.85 W/G
260 2.0 R/G	18C 0.85 R/L	26 0.85 Y/R	50M 2.0 B

Connecting Left Front Door Wiring Harness 1

6 0.85 W/G	7 0.85 B/G		24 0.85 B/G
29 0.85 L/Y	50 2.0 B	26 0.85 Y/R	18 0.85 R/L
		260 2.0 R/G	

Connecting Cockpit Wiring Harness 1

C16

	21 0.85 G		T02 0.5 Br	12 0.5 Gr/B
60A 0.5 G/R	T01 0.5 Br/L	504G 0.5 W/L	B24 0.5 Gr/W	34 0.5 W/B
				13 0.5 Gr/R

Connecting Left Front Door Wiring Harness 2

12 0.5 Gr/B	T02 T02A		21 0.85 G
13 0.5 Gr/R	34 0.5 W/B	B24 0.5 Gr/W	504 0.5 W/L
			T01 T01A
			60 0.5 G/R

Connecting Cockpit Wiring Harness 2

C17

69 0.85 G/Y	36 0.5 Y/R	X			35 1.25 Y
50L 1.25 B	612 0.5 G/Br	611 0.5 G/L	D50 1.25 B	610 0.5 G/R	609 0.5 G/B

Connecting Frame
Wiring Harness

35 1.25 Y		X		36 0.5 Y/R	69 0.85 G/Y
609 0.5 G/B	610 0.5 G/R	D50 0.5 B	611 0.5 G/L	612 0.5 G/V	50 1.25 B

Connecting Floor
Wiring Harness

C18

B12 0.15 Gr/B	7A 0.85 B/W	X		T41 0.5 Br/R	T42 0.5 Br/W
B22 0.5 Gr/W	6 0.85 W/G	29 0.85 L/Y	504H 0.5 W/L	42 0.5 G/V	34C 0.5 W/B

Connecting Right Front
Door Wiring Harness 1

T42 T42A	T41 T41A	X		7 0.85 B/W	B12 0.5 Gr/B
34 0.5 W/B	42 0.5 G/V	504 0.5 W/L	29 0.85 L/Y	6 0.85 W/G	B22 0.5 Gr/w

Connecting Cockpit
Wiring Harness 1

C19

261 2.0 R		X		18 0.85 R/L	50U 2.0 B
12A 0.5 Gr/B	13A 0.5 Gr/R		22 0.85 R/Y	21 21A	20 0.85 Y/W

Connecting Right Rear
Door Wiring Harness 2

50 2.0 B	18 0.85 R/L	X			261 2.0 R
20 0.85 Y/W	21 0.85 G	22 0.85 R/Y		13 0.85 Gr/R	12 0.85 Gr/B

Connecting Cockpit
Wiring Harness 2

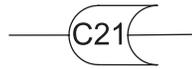
C20

	X		261A 2.0 R
6B 0.85 W/G	50N 2.0 B	7B 0.85 B/W	

Connecting Right Rear
Door Wiring Harness 1

261 2.0 R	X		
7 0.85 B/W	50 2.0 B	6 0.85 W/G	

Connecting Floor
Wiring Harness 1

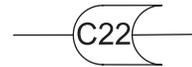


29A 1.25 L/Y	30 0.85 Y/L	X		C44 0.5 R/L
B73 0.5 B/R	B74 0.5 B/R	8 0.85 O/G	50H 1.25 B	T50 0.5 B

Connecting Back Door
Transition Wiring Harness 2

C44 0.5 R/L	X		30 0.85 Y/L	29 1.25 L/Y
T50 0.5 B	50 1.25 B	8 0.85 Or/G	B74 0.5 B/R	B73 0.85 B/R

Connecting Cockpit Wiring Harness



33C 0.85 R/B	X			
711 0.5 W/G	32 0.85 O	34F 0.5 W/B	37 0.85 G	

Connecting Back Door
Transition Wiring Harness 1

		X		33 0.85 R/B
	37 0.5 G	34 0.5 W	32 0.85 Or	711 711A

Connecting Cockpit Wiring Harness 1



T31 0.5 Br/Y	X		504 0.5 W/L
T32 0.5 Br/Gr	34 0.5 W/B		18A 0.85 R/L

Connecting Right Rear Door
Wiring Harness 2

504 0.5 V/L	X		T31 T31A
18 0.85 R/L		34 0.5 W	T32 T32A

Connecting Floor Wiring Harness 2



6C 0.85 W/G		X		50B 2.0 B	260A 2.0 R/G
T51 0.5 Br/G	T52 0.5 Br/B	7C 0.85 B/W	34 0.5 W	504 0.5 V/L	18B 0.85 R/L

Connecting Left Rear Door Wiring Harness

260 2.0 R/G	50 2.0 B	X			6 0.85 W/G
18 0.85 R/L	504 0.5 V/L	34 0.5 W	7 0.85 B/W	T52 T52A	T51 T51A

Connecting Floor Wiring Harness

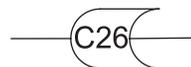


30 0.85 Y/L			29 1.25 L/Y
50 1.25 B	8 0.85 Or/G	B74 0.5 B/R	B73 0.85 B/R

Connecting Back Door
Wiring Harness 1

29 1.25 L/Y			30 0.85 Y/L
B73 0.85 B/R	B74 0.5 B/R	8 0.85 O/G	50 1.25 B

Connecting Back Door
Transition Wire 1



C44 0.5 R/L			37 0.5 G	33 0.85 R/B
T50 0.5 B		711 0.5 R/W	32 0.85 Or	

Connecting Back Door
Wiring Harness 2

33 0.85 R/B	37 0.5 G			C44 0.5 R/L
	32 0.85 Or	711 0.5 R/W		T50 0.5 B

Connecting Back Door
Transition Wire 2



	
50 0.85 B	37 0.85 G/W

Connecting Reversing Radar
Transition Wiring Harness

	
37 0.85 G/W	50 0.85 B

Connecting Cockpit
Wiring Harness

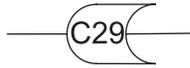


	
881 0.5 Y/R	882 0.5 Y/L
885 0.5 Y/B	50 0.85 B

Connecting Reversing
Radar Wiring Harness 1

	
882 0.5 Y/L	881 0.5 Y/R
50 0.85 B	885 0.5 Y/B

Connecting Transition
Wiring Harness 1



⊗	
883	884
0.5	0.5
G/R	G/L

Connecting Reversing Radar Wiring Harness 2

⊗	
884	883
0.5	0.5
G/L	G/R

Connecting Transition Wiring Harness 2

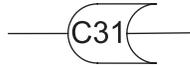


⊗		
166	168	315D
2.0	2.0	2.0
G	B/L	Br
50D	45	
2.0	0.5	
B	G/V	

Connecting Seat Heating Wiring Harness

⊗		
315D	168	166
2.0	2.0	2.0
Br	B/L	G
	45	50D
	0.5	2.0
	G/V	B

Connecting Cockpit Wiring Harness



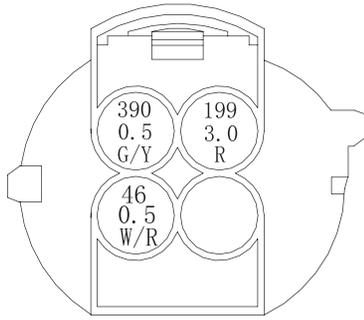
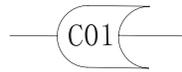
⊗		
50C	C44B	B74
0.5	0.5	0.5
B	R/L	B/R

Connecting License Plate Wiring Harness

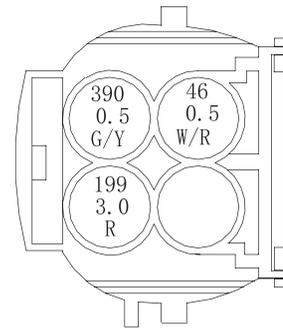
⊗		
B74	C44	50
0.5	0.5	0.5
B/R	R/L	B

Connecting Back Door Wiring Harness

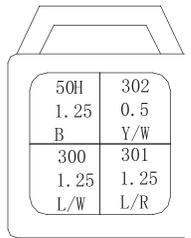
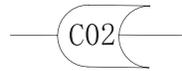
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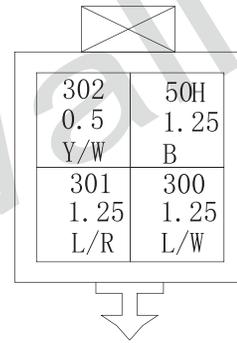
Connecting Power Supply Wiring Harness 1



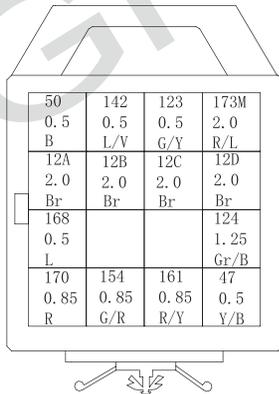
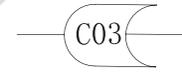
Connecting Engine Compartment Wiring Harness 1



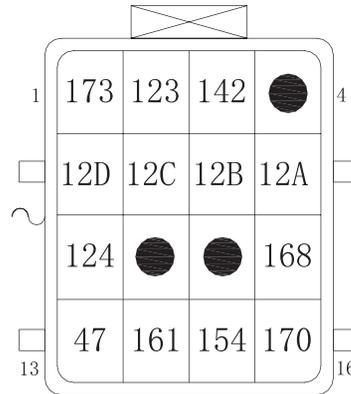
Connecting Power Supply Wiring Harness B



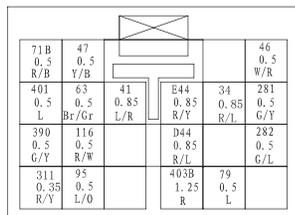
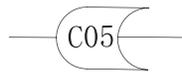
Connecting Engine Compartment Wiring Harness 2



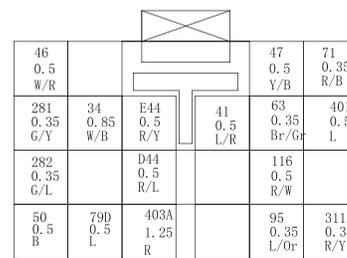
Connecting Engine Wiring Harness 1



Connecting Engine Compartment Wiring Harness

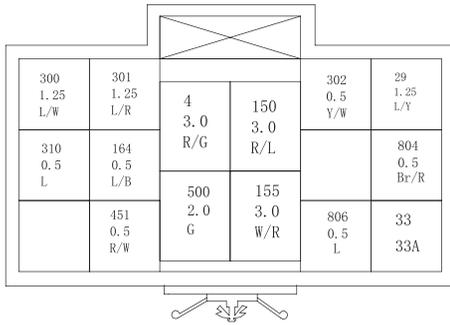


Connecting Instrument Panel and Console Wiring Harness 4

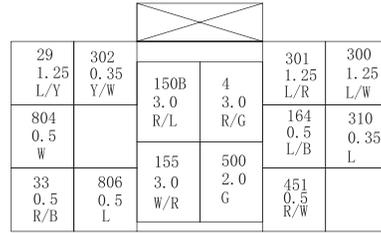


Connecting Engine Compartment Wiring Harness 4

C06

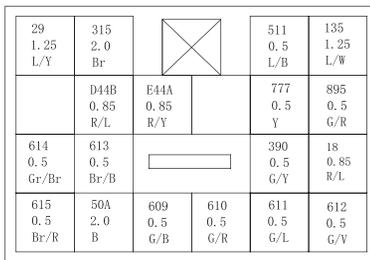


Connecting Instrument Wiring
Harness and Console Wiring Harness 3

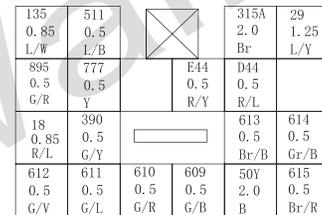


Connecting Engine
Compartment Wiring Harness 3

C07

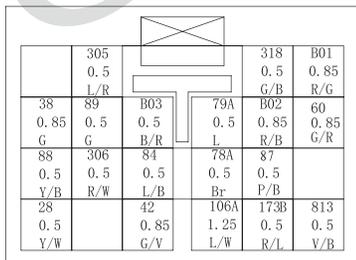


Connecting Cockpit
Wiring Harness

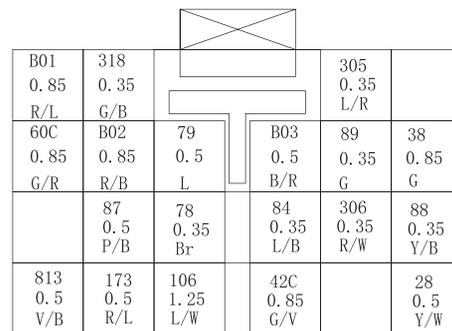


Connecting Engine
Compartment Wiring Harness

C08

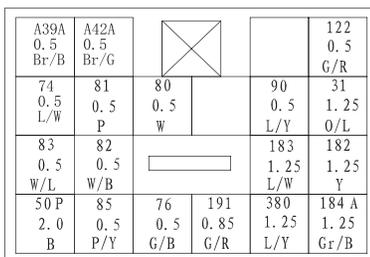


Connecting Instrument Panel
and Console Wiring Harness 1

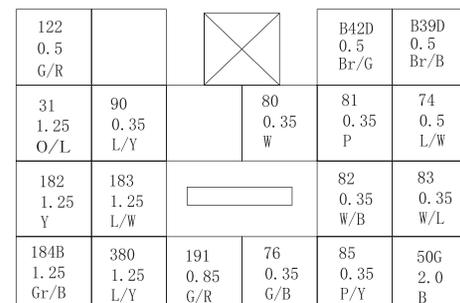


Connecting Engine
Compartment Wiring Harness 1

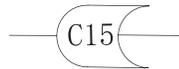
C09



Connecting Instrument Panel and
Console Wiring Harness 2



Connecting Engine
Compartment Wiring Harness 2

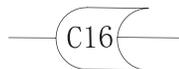


24 0.85 B/G			7E 0.85 B/W	6E 0.85 W/G
260 2.0 R/G	18C 0.85 R/L	26 0.85 Y/R	50M 2.0 B	29B 0.85 L/Y

Connecting Left Front Door Wiring Harness 1

6 0.85 W/G	7 0.85 B/W			24 0.85 B/G
29 0.85 L/Y	50 2.0 B	26 0.85 Y/R	18 0.85 R/L	260 2.0 R/G

Connecting Cockpit Wiring Harness 1



	21A 0.85 G			T02 0.5 Br	12 0.5 Gr/B
60A 0.5 G/R	T01 0.5 Br/L	504G 0.5 W/L	B24 0.5 Gr/W	34 0.5 W/B	13 0.5 Gr/R

Connecting Left Front Door Wiring Harness 2

12 0.5 Gr/B	T02 T02A			21 0.85 G	
13 0.5 Gr/R	34 0.5 W/B	B24 0.5 Gr/W	504 0.5 W/L	T01 T01A	60 0.5 G/R

Connecting Cockpit Wiring Harness 2



69 0.85 G/Y	36 0.5 Y/R				
50L 1.25 B	612 0.5 G/V	611 0.5 G/L	D50 1.25 B	610 0.5 G/R	609 0.5 G/B

Connecting Frame Wiring Harness

				36 0.5 Y/R	69 0.85 G/Y
609 0.5 G/B	610 0.5 G/R	D50 0.5 B	611 0.5 G/L	612 0.5 G/V	50 1.25 B

Connecting Floor Wiring Harness



B12 0.5 Gr/B	7A 0.85 B/W			T41 0.5 Br/R	T42 0.5 Br/W
B22 0.5 Gr/W	6 0.85 W/G	29 0.85 L/Y	504H 0.5 W/L	42 0.5 G/V	34C 0.5 W/B

Connecting Right Front Door Wiring Harness 1

T42 T42A	T41 T41A			7 0.85 B/W	B12 0.5 Gr/B
34 0.5 W/B	42 0.5 G/V	504 0.5 W/L	29 0.85 L/Y	6 0.85 W/G	B22 0.5 Gr/w

Connecting Cockpit Wiring Harness 1



261 2.0 R			18 0.85 R/L	50 2.0 B
12A 0.5 Gr/B	13A 0.5 Gr/R		22 0.85 R/Y	21 21A
				20 0.85 Y/W

	18 0.85 R/L			261 2.0 R
20 0.85 Y/W	21 0.85 G	22 0.85 R/Y		13 0.85 Gr/R
				12 0.85 Gr/B

Connecting Right Rear Door Wiring Harness 2

Connecting Cockpit Wiring Harness 2

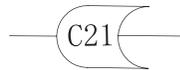


		261A 2.0 R
6B 0.85 W/G	50N 2.0 B	7B 0.85 B/W

261 2.0 R		
7 0.85 B/W	50 2.0 B	6 0.85 W/G

Connecting Right Rear Door Wiring Harness 2

Connecting Floor Wiring Harness 1

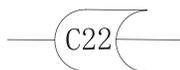


T31 0.5 Br/Y		504 0.5 W/L
T32 0.5 Br/Gr	34 0.5 W/B	18A 0.85 R/L

504 0.5 V/L		T31 T31A
18 0.85 R/L		34 0.5 W
		T32 T32A

Connecting Right Rear Door Wiring Harness 2

Connecting Floor Wiring Harness 2



6C 0.85 W/G			50B 2.0 B	260A 2.0 R/G
T51 0.5 Br/G	T52 0.5 Br/B	7C 0.85 B/W	34 0.5 W	504 0.5 V/L
				18B 0.85 R/L

260 2.0 R/G	50 2.0 B			6 0.85 W/G
18 0.85 R/L	504 0.5 V/L	34 0.5 W	7 0.85 B/W	T52 T52A
				T51 T51A

Connecting Left Rear Door Wiring Harness

Connecting Floor Wiring Harness

C23

29A 1.25 L/Y	30 0.85 Y/L			C44 0.5 R/L
B73 0.5 B/R	B74 0.5 B/R	8 0.85 O/G	50H 1.25 B	T50 0.5 B

Connecting Back Door Transition Wiring Harness 2

C44 0.5 R/L			30 0.85 Y/L	29 1.25 L/Y
T50 0.5 B	50 1.25 B	8 0.85 Or/G	B74 0.5 B/R	B73 0.85 B/R

Connecting Cockpit Wiring Harness

C24

33C 0.85 R/B				
711 0.5 W/G	32 0.85 O	34F 0.5 W/B	37 0.85 G	

Connecting Back Door Transition Wiring Harness 1

				33 0.85 R/B
	37 0.5 G	34 0.5 W	32 0.85 Or	711 711A

Connecting Cockpit Wiring Harness 1

C25

30 0.85 Y/L			29 1.25 L/Y
50 1.25 B	8 0.85 Or/G	B74 0.5 B/R	B73 0.85 B/R

Connecting Back Door Wiring Harness 1

29 1.25 L/Y			30 0.85 Y/L
B73 0.85 B/R	B74 0.5 B/R	8 0.85 O/G	50 1.25 B

Connecting Back Door Transition Wiring Harness 1

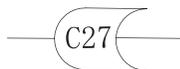
C26

C44 0.5 R/L			37 0.5 G	33 0.85 R/B
T50 0.5 B		711 0.5 R/W	32 0.85 Or	

Connecting Back Door Wiring Harness 2

33 0.85 R/B	37 0.5 G/W			C44 0.5 R/L
	32 0.85 O	711 0.5 R/W		T50 0.5 B

Connecting Back Door Transition Wiring Harness 2



	
50	37
0.85	0.85
B	G/W

Connecting Reversing Radar Transition

	
37	50
0.85	0.85
G/W	B

Connecting Cockpit Wiring Harness



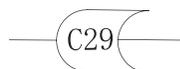
	
881	882
0.5	0.5
Y/R	Y/L
885	50
0.5	0.85
Y/B	B

Connecting Reversing Radar Wiring Harness 1 Wiring Harness

	
882	881
0.5	0.5
Y/L	Y/R
50	885
0.85	0.5
B	Y/B



Connecting Transition Wiring Harness 1



	
883	884
0.5	0.5
G/R	G/L

Connecting Reversing Radar Wiring Harness 2 Wiring Harness

	
884	883
0.5	0.5
G/L	G/R

Connecting Transition Wiring Harness 2

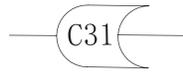


		
166	168	315D
2.0	2.0	2.0
G	B/L	Br
50D	45	
2.0	0.5	
B	G/V	

Connecting Seat Heating Wiring Harness

		
315D	168	166
2.0	2.0	2.0
Br	B/L	G
	45	50D
	0.5	2.0
	G/V	B

Connecting Cockpit Wiring Harness



		
50C	C44B	B74
0.5	0.5	0.5
B	R/L	B/R

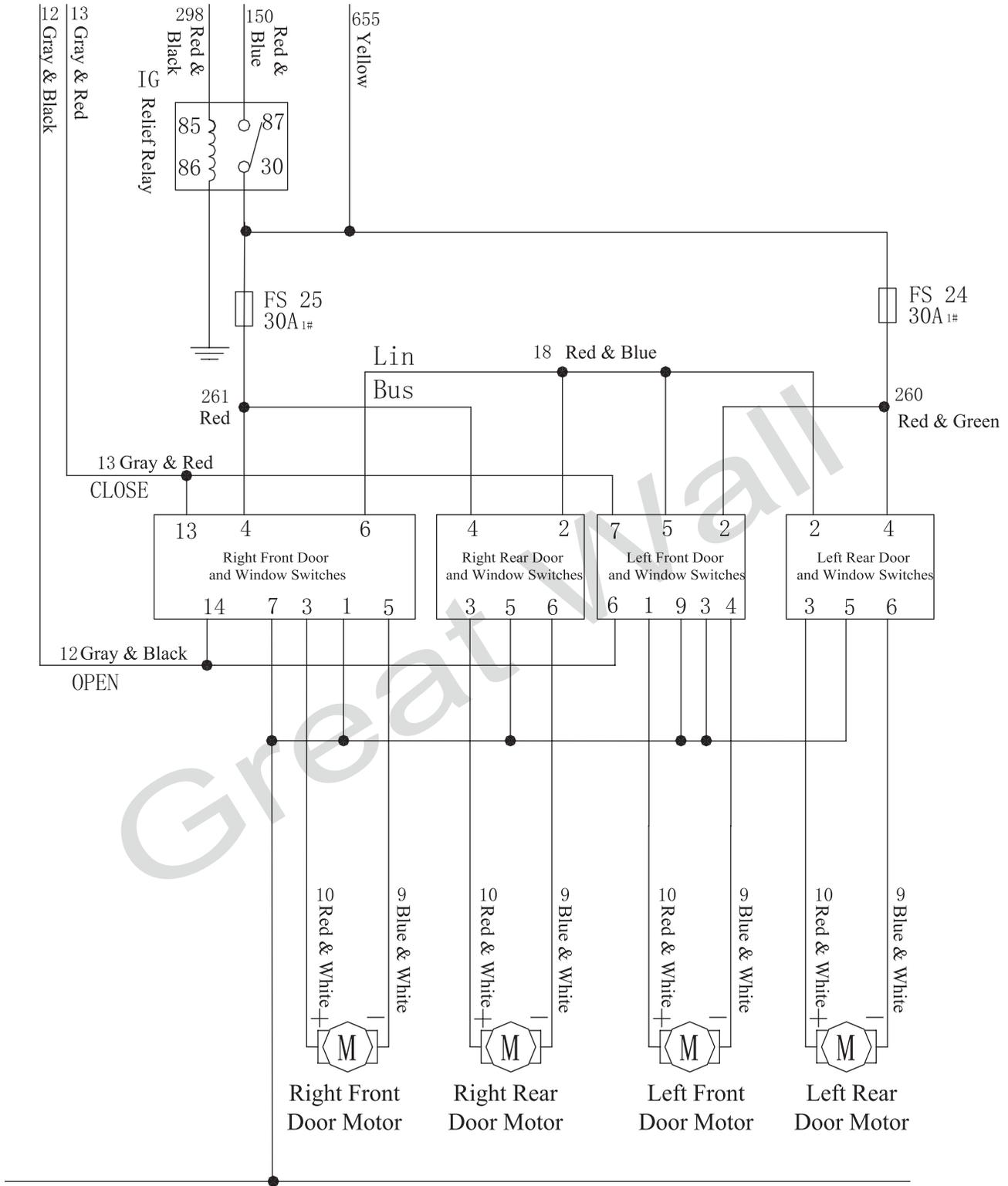
Connecting License Plate Wiring Harness

		
B74	C44	50
0.5	0.5	0.5
B/R	R/L	B

Connecting Back Door Wiring Harness

Great Wall

Electric Door and Window



6	18 0.85 R/L	9 2.0 L/W	260 2.0 R/G		10 2.0 R/W	50B 2.0 B	1
14	12 0.85 Gr/B	13 0.85 Gr/R				50C 2.0 B	7

Right Front Door and Window Switches

2	18 0.85 R/L						1
6	9 2.0 L/W	50 2.0 B	261 2.0 R	10 2.0 R/W			3

Right Rear Door and Window Switches

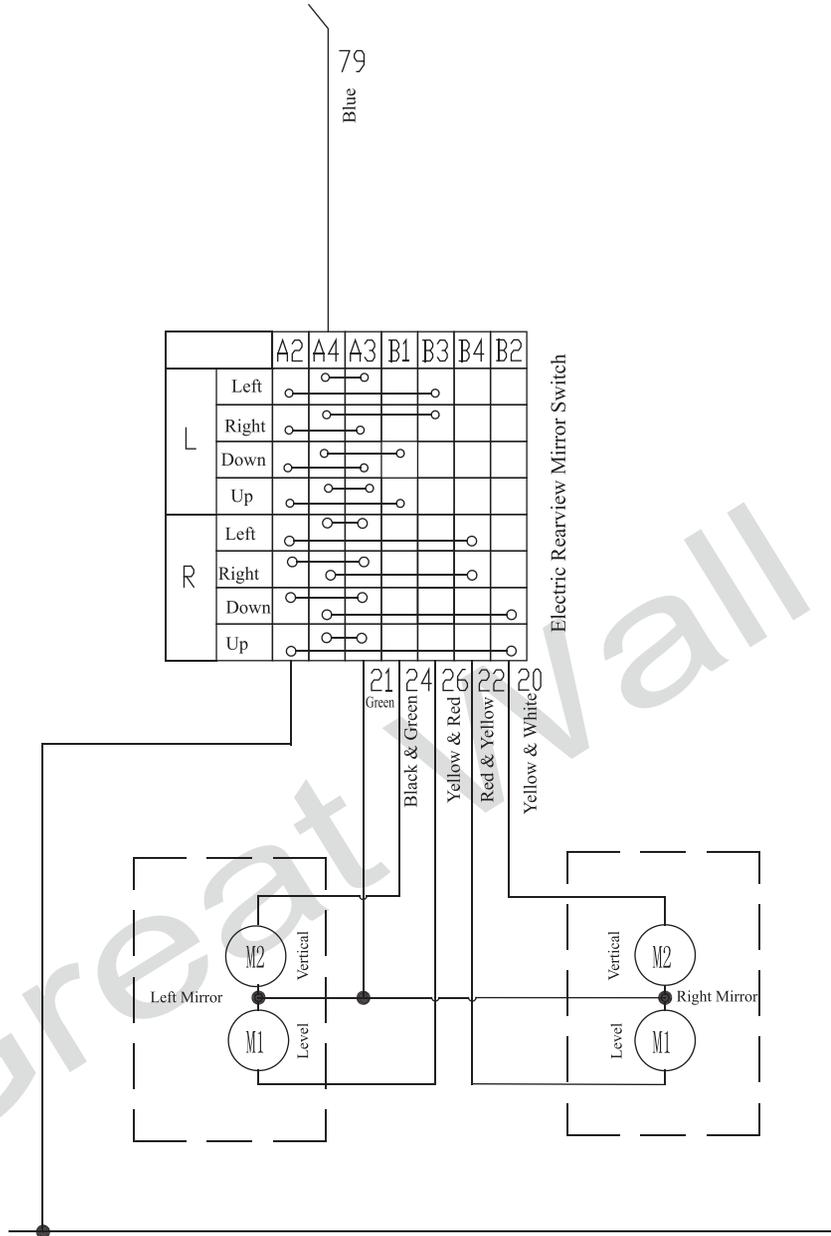
2	18 0.85 R/L						1
6	9 2.0 L/W	50C 2.0 B	260 2.0 R/G	10 2.0 R/W			3

Left Front Door and Window Switches

4	9 2.0 L/W	50B 2.0 B		261 2.0 R	10 2.0 R/W		1
10		50C 2.0 B	13 0.5 Gr/R	12 0.5 Gr/B	18 0.85 R/L		5

Left Rear Door and Window Switches

Electric Rearview Mirror



	⊗				
B1	24 0.85 B/G	20 0.85 Y/W	26 0.85 Y/R	22 0.85 R/Y	B4
A1		50 M 0.85 B	21 0.85 G	79 0.85 L	A4

50A 0.85 B	42 0.5 G/V	29 0.85 L/Y
26 0.85 Y/R	21 0.85 G	24 0.85 B/G



Left Electric Rearview Mirror

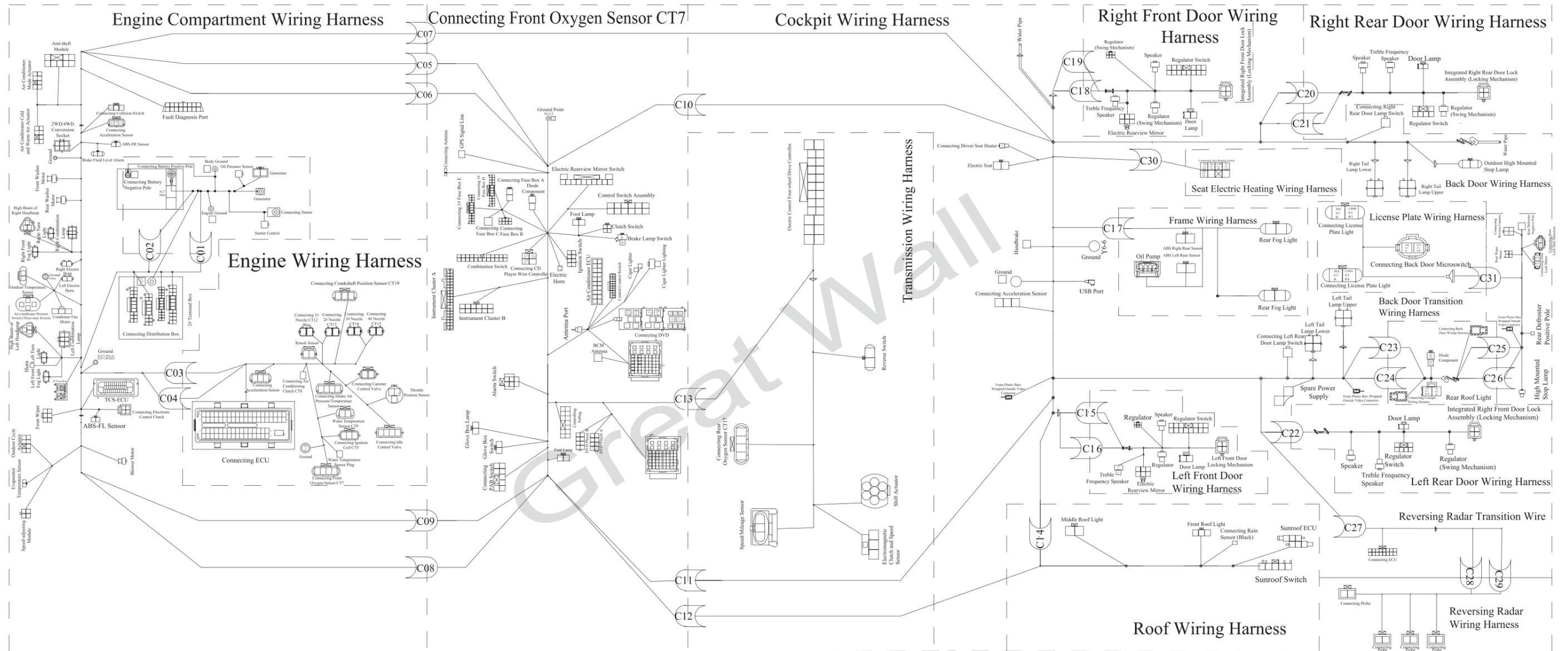
Electric Rearview Mirror Switch

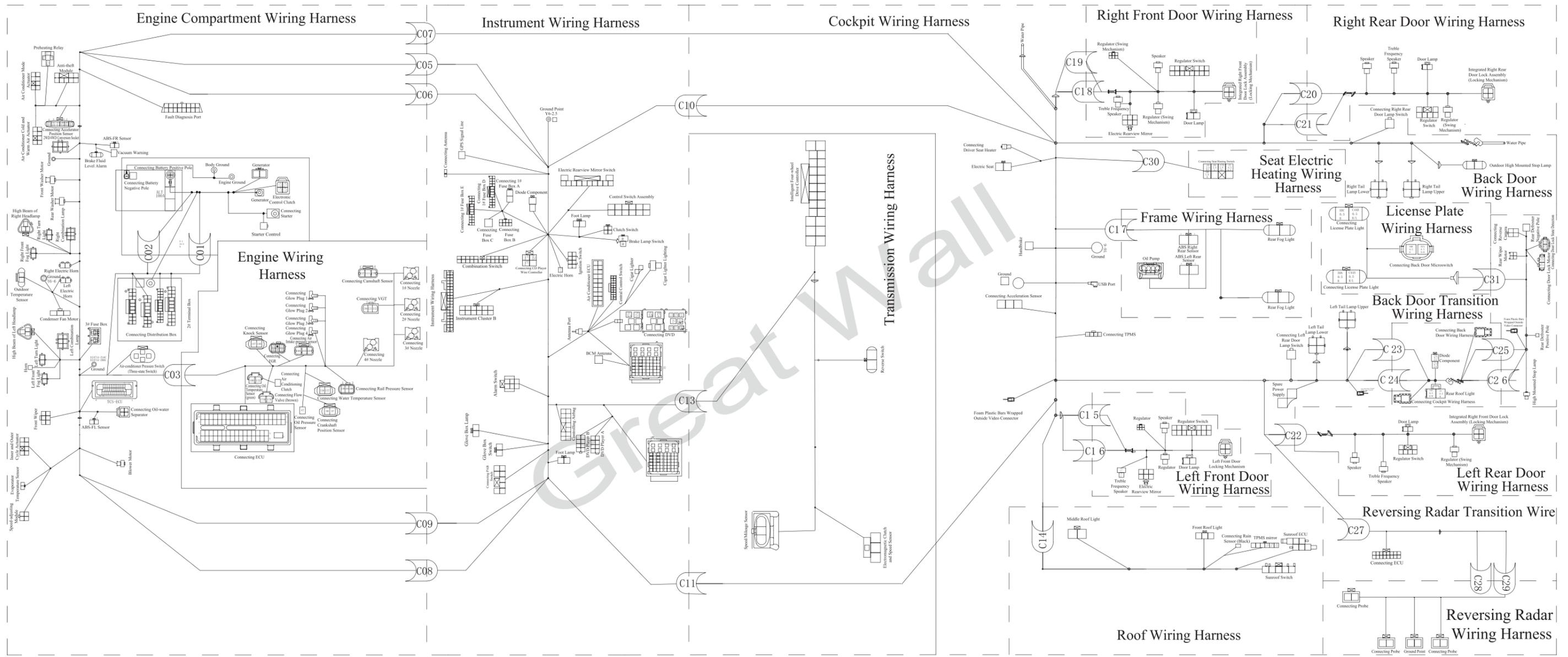
50D 0.85 B	60 0.5 G/R	29 0.85 L/Y
22 0.85 R/Y	21 0.85 G	20 0.85 Y/W



Right Electric Rearview Mirror

Relationship between Wiring Harnesses and Connector Connection Number Chart (K5-4G69)





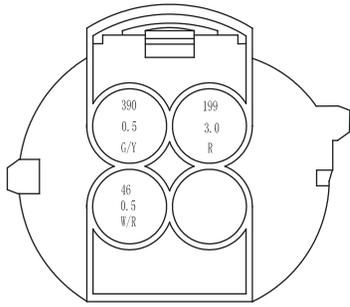
Body Electric Apparatus (K5-4D20AT Right Hand Drive)

Function Chart for Numbered Pins of Intermediate Connection of Wiring Harness	2
Air Conditioner.....	9
Relationship between Wiring Harnesses and Connector Connection Number Chart	10

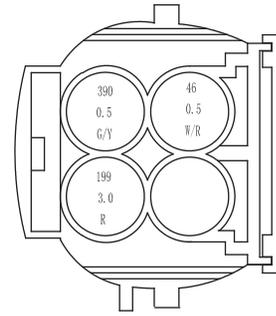
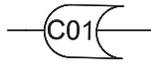
Great Wall



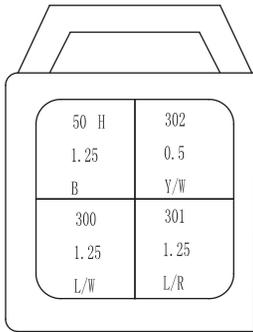
Function Chart for Numbered Pins of Intermediate Connection of Wiring Harness



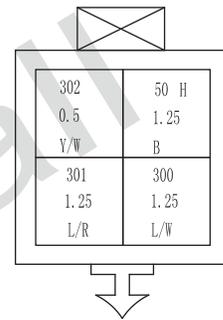
Connecting Power Supply Wiring Harness 1



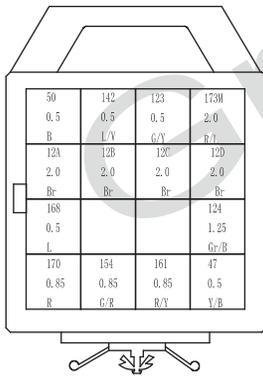
Connecting Engine Compartment Wiring Harness 1



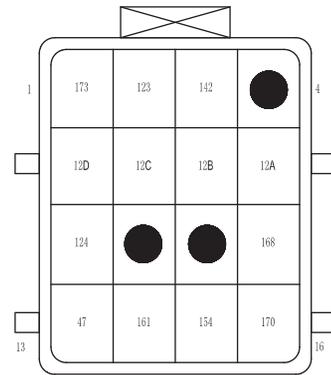
Connecting Power Supply Wiring Harness B



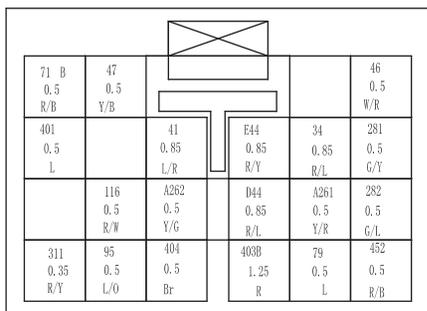
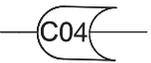
Connecting Engine Compartment Wiring Harness 2



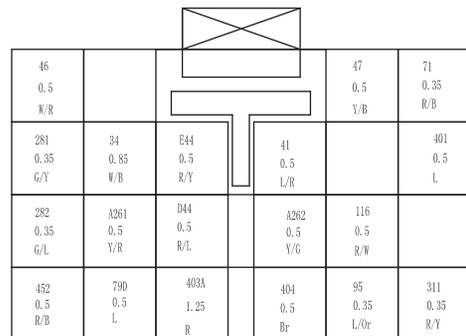
Connecting Engine Wiring Harness 1



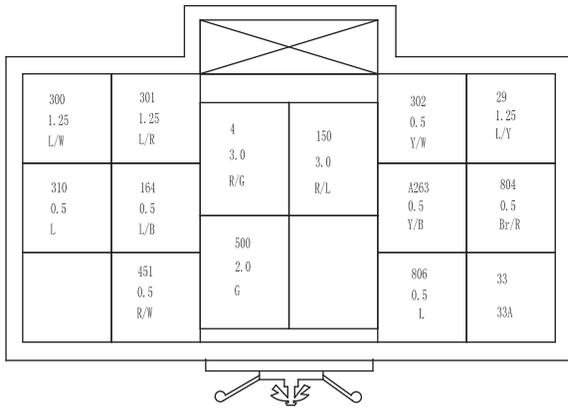
Connecting Engine Compartment Wiring Harness



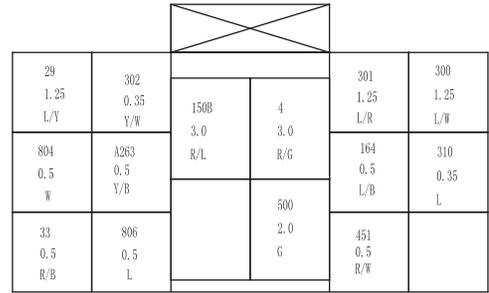
Connecting Instrument Panel and Console Wiring Harness 4



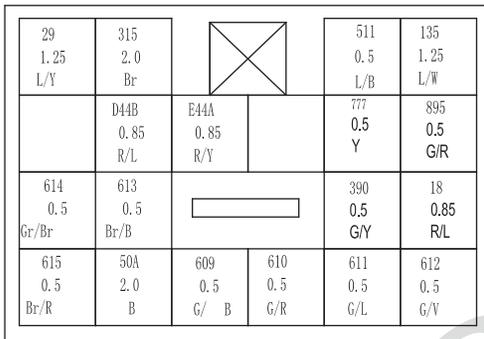
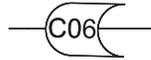
Connecting Engine Compartment Wiring Harness 4



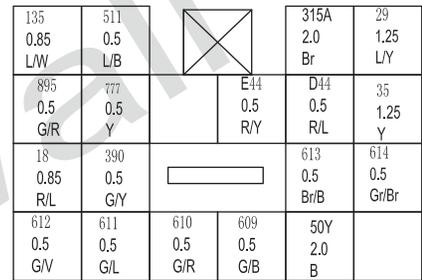
Connecting Instrument Panel and Console Wiring Harness 3



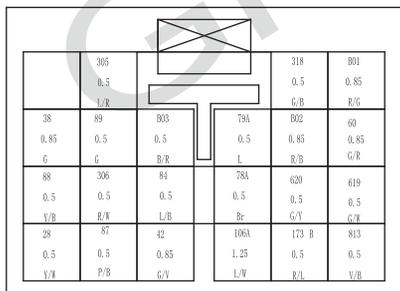
Connecting Engine Compartment Wiring Harness 3



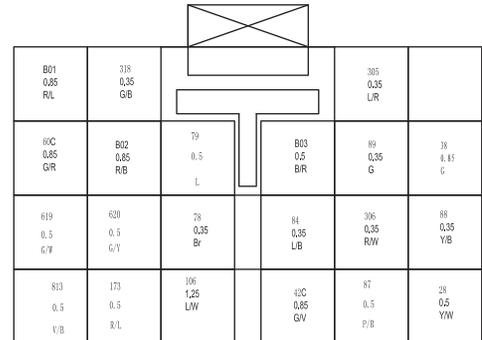
Connecting Cockpit Wiring Harness



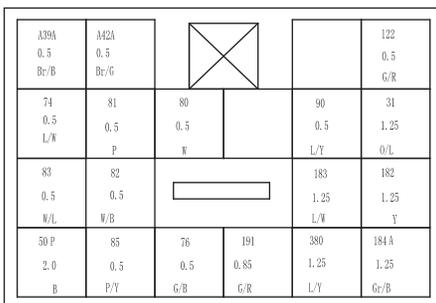
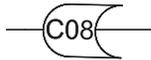
Connecting Engine Compartment Wiring Harness



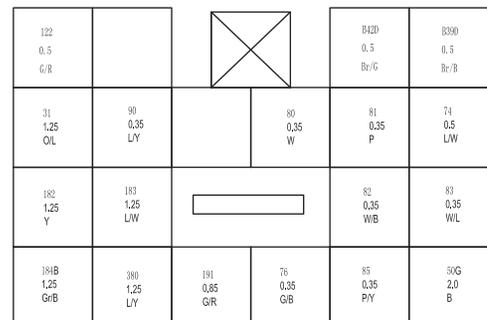
Connecting Instrument Panel and Console Wiring Harness 1



Connecting Engine Compartment Wiring Harness 1



Connecting Instrument Panel and Console Wiring Harness 2



Connecting Engine Compartment Wiring Harness 2

Body Electric Apparatus (K5-4D20AT Right Hand Drive) - 4

C09

B33 0.85 R/B			163 1.25 L/R	J8 0.85 R/L
24 0.85 B/G	22 0.85 R/Y	20 0.85 Y/W	33 0.85 R/B	30 0.85 Y/L
21 0.85 G	60B 0.85 G/R	32 0.85 Or	26 0.85 Y/R	8 0.85 O/G
				261 2.0 R

Connecting Cockpit Wiring Harness 1B

511 0.5 L/B			A615 0.5 R/W	895 0.35 G/R	183 0.5 L/W
B24 0.35 Gr/W	C5 0.35 W/R	B22 0.35 Gr/W	B5 0.35 R/L	162 0.5 B/Y	504D 0.5 W/L
B73 0.5 B/R	36 0.5 Y/R	34B 0.5 W/B	B74 0.35 B/R	B12 0.35 Gr/B	C44 0.5 R/L
					711 0.35 W/G

Connecting Cockpit Wiring Harness 1A

511 0.5 L/B	B24 0.5 Gr/W			261 2.0 R	8 0.85 O/G	30 0.85 Y/L	18 0.85 R/L
		B73 0.5 B/R			26 0.85 R/B	33 0.85 R/B	163 1.25 L/R
		B22 0.5 Gr/W	36 0.5 Y/R			32 0.85 O	20 0.85 Y/W
		B5 0.5 R/L	34B 0.5 W/B			60B 0.85 G/R	22 0.85 R/Y
		162 0.5 B/Y	B74 0.5 B/R			21 0.85 G	24 0.85 B/G
A615 0.5 R/W	504D 0.5 W/L	B12 0.5 Gr/B					B33 0.85 R/B
895 0.5 G/R			C44 0.5 R/L				
183 0.5 L/W			711 0.5 W/G				

Connecting Instrument Wiring Harness 1

C10

T02 0.5 Br	T01 0.5 Br/L			260 2.0 R/G	37 0.85 Light Green
T41 0.5 Br/R	T42 0.5 Br/W	162 0.5 B/Y	6 0.85 W/G	7 0.85 B/W	12 0.85 Gr/B
T32 0.5 Br/Gr	T31 0.5 Br/Y			375 0.5 G/B	69 0.5 G/Y
T51 0.5 Br/G	T52 0.5 Br/B	316 2.0 Br	13 0.85 Gr/R	45 0.5 G/Y	42 0.85 G/Y

Connecting Cockpit Wiring Harness 2

37 0.5 G	260 2.0 R/G			T01 0.5 Br/L	T02 0.5 Br
12 12A	7 0.85 B/W	6 0.85 W/G	162 0.5 B/Y	T42 0.5 Br/W	T41 0.5 Br/R
69A 0.85 G/Y	375 0.5 G/B			T31 0.5 Br/Y	T32 0.5 Br/Gr
42 0.85 G/V	45 0.5 G/V	13 13A	316 2.0 Br	T52 0.5 Br/B	T51 0.5 Br/G

Connecting Instrument Wiring Harness 2

C11

A39B 0.5 Br/B	A42B 0.5 Br/G	500 2.0 G	38 0.85 G	B39A 0.5 Br/B
	106 1.25 L/W	37 0.85 Light Green	67 0.35 L/G	B42A 0.5 Br/G
	516 0.5 Y/L	50 2.0 B	33 0.5 R/B	375 0.35 G/B
548 0.5 Y/G	452 0.5 R/B		302 0.35 Y/W	303 0.35 Y
	45 0.85 G/Y			

Connecting Transmission Wiring Harness Assembly

A39B 0.5 Br/B	38 0.85 Y/G	500 2.0 G	A42A 0.5 Br/G	A39A 0.5 Br/B
A42B 0.5 Br/G	67 0.5 L/G		106 1.25 L/W	361 0.5 L/R
	33 0.5 R/B	931	516 0.5 Y/L	
303 0.5 Y	302 0.5 Y/W	2.0 B	452 0.5 R/B	548 0.5 Y/G
		404 0.5 Br	45 0.85 G/Y	

Connecting Instrument Panel Wiring Harness

C12

50 0.85 B	34 0.5 WB	135 0.85 L/W			163 0.5 Br/B	504 0.5 W/L
777 0.5 Y	390 0.5 G/Y			183 0.5 L/W	895 0.5 G/R	A615 0.5 R/W

Connecting Roof Wiring Harness

504 0.5 W/L	163 0.5 Br/B			135 0.85 L/W	34 0.5 WB	50 0.85 B
31 0.5 O/L	895 0.5 G/R	183 0.5 L/R			390 0.5 G/Y	777 0.5 Y

Connecting Cockpit Wiring Harness

C13

24 0.85 B/G	X		7E 0.85 B/W	0E 0.85 W/G
260 2.0 R/G	18C 0.85 R/L	26 0.85 Y/R	50M 2.0 B	29B 0.85 L/Y

Connecting Left Front Door Wiring Harness 1

6 0.85 W/G	7 0.85 B/W	X		24 0.85 B/G
29 0.85 L/Y	50 2.0 B	26 0.85 Y/R	18 0.85 R/L	260 2.0 R/G

Connecting Cockpit Wiring Harness 1

C14

	21A 0.85 G	X		T02 0.5 Br	12 0.5 Gr/B
60A 0.5 G/R	T01 0.5 Br/L	504G 0.5 W/L	B24 0.5 Gr/W	34 0.5 W/B	13 0.5 Gr/R

Connecting Left Front Door Wiring Harness 2

12 0.5 Gr/B	T02 T02A	X		21 0.85 G	
13 0.5 Gr/R	34 0.5 W/B	B24 0.5 Gr/W	504 0.5 W/L	T01 T01A	60 0.5 G/R

Connecting Cockpit Wiring Harness 2

C15

69 0.85 G/Y	36 0.5 Y/R	X			
50L 1.25 B	612 0.5 G/V	611 0.5 G/L	D50 1.25 B	610 0.5 G/R	609 0.5 G/B

Connecting Frame Wiring Harness

		X		36 0.5 Y/R	69 0.85 G/Y
609 0.5 G/B	610 0.5 G/R	D50 0.5 B	611 0.5 G/L	612 0.5 G/V	50 1.25 B

Connecting Floor Wiring Harness

C16

B12 0.5 Gr/B	7A 0.85 B/W	X		T41 0.5 Br/R	T42 0.5 Br/W
B22 0.5 Gr/W	6 0.85 W/G	29 0.85 L/Y	504H 0.5 W/L	42 0.5 G/V	34C 0.5 W/B

Connecting Right Front Door Wiring Harness 1

T42 T42A	T41 T41A	X		7 0.85 B/W	B12 0.5 Gr/B
34 0.5 W/B	42 0.5 G/V	504 0.5 W/L	29 0.85 L/Y	6 0.85 W/G	B22 0.5 Gr/W

Connecting Cockpit Wiring Harness 1

Body Electric Apparatus (K5-4D20AT Right Hand Drive) - 6



261 2.0 R			18 0.85 R/L	50U 2.0 B
12A 0.5 Gr/B	13A 0.5 Gr/R		22 0.85 R/Y	21 21A 0.85 Y/W

Connecting Right Front Door Wiring Harness 2

50 2.0 B	18 0.85 R/L			261 2.0 R
20 0.85 Y/W	21 0.85 G	22 0.85 R/Y		13 0.85 Gr/R
				12 0.85 Gr/B

Connecting Cockpit Wiring Harness 2



		261A 2.0 R
6B 0.85 W/G	50N 2.0 B	7B 0.85 B/W

Connecting Right Rear Door Wiring Harness 1

261 2.0 R		
7 0.85 B/W	50 2.0 B	6 0.85 W/G

Connecting Floor Wiring Harness 1



T31 0.5 Br/Y		504 0.5 W/L
T32 0.5 Br/Gr	34 0.5 W/B	18A 0.85 R/L

Connecting Right Rear Door Wiring Harness 2

504 0.5 V/L		T31 T31A
18 0.85 R/L		34 0.5 W
		T32 T32A

Connecting Floor Wiring Harness 2

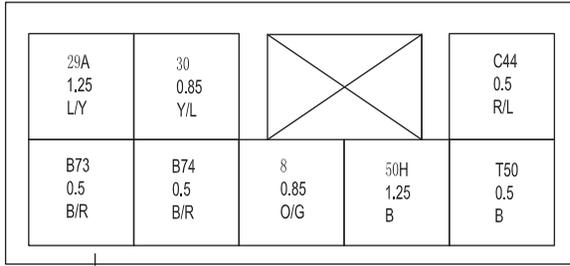
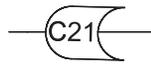


6C 0.85 W/G			50B 2.0 B	260A 2.0 R/G
T51 0.5 Br/G	T52 0.5 Br/B	7C 0.85 B/W	34 0.5 W	504 0.5 V/L
				18B 0.85 R/L

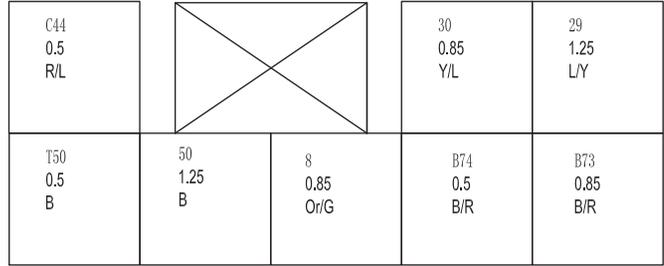
Connecting Left Rear Door Wiring Harness

260 2.0 R/G	50 2.0 B			6 0.85 W/G
18 0.85 R/L	504 0.5 V/L	34 0.5 W	7 0.85 B/W	T52 T52A
				T51 T51A

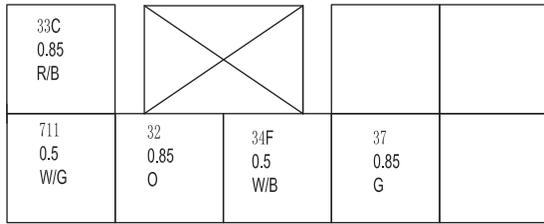
Connecting Floor Wiring Harness



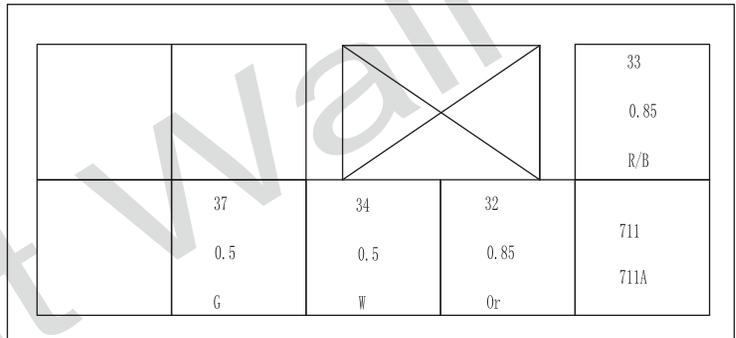
Connecting Back Door Transition Wiring Harness 2



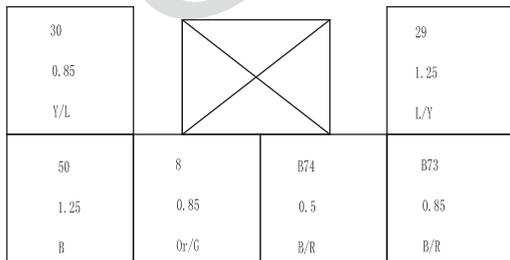
Connecting Cockpit Wiring Harness



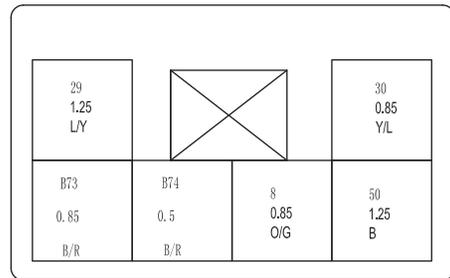
Connecting Back Door Transition Wiring Harness 1



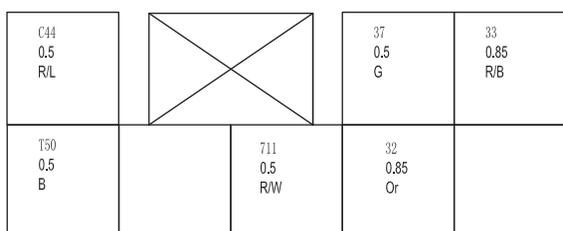
Connecting Cockpit Wiring Harness 1



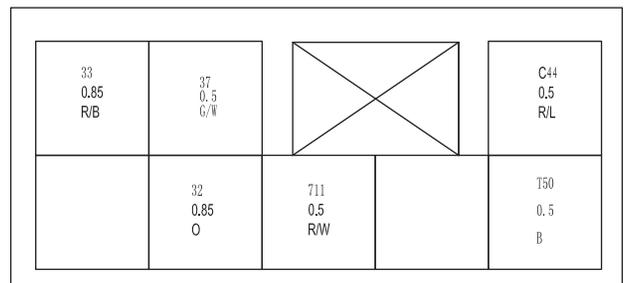
Connecting Back Door Wiring Harness 1



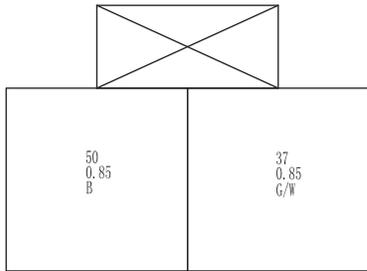
Connecting Back Door Transition Wiring Harness 1



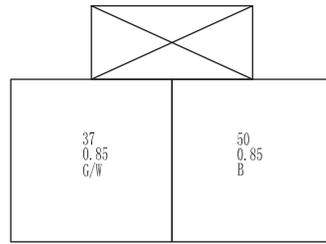
Connecting Back Door Wiring Harness 2



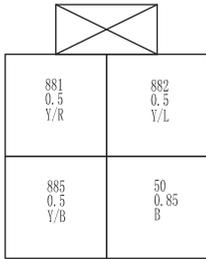
Connecting Back Door Transition Wiring Harness 2



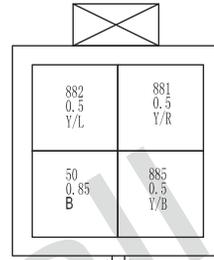
Connecting Reversing Radar Transition Wiring Harness



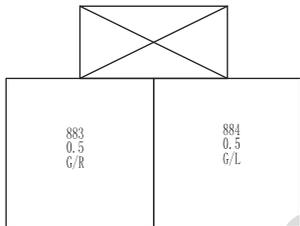
Connecting Cockpit Wiring Harness



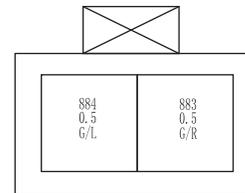
Connecting Reversing Radar Wiring Harness 1



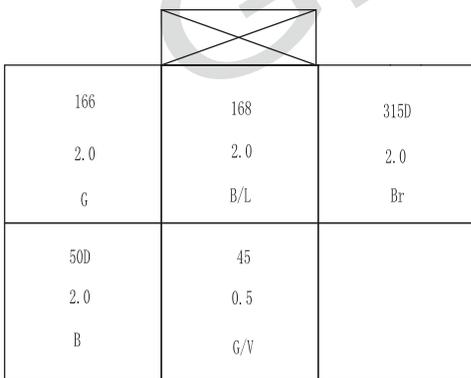
Connecting Transition Wiring Harness 1



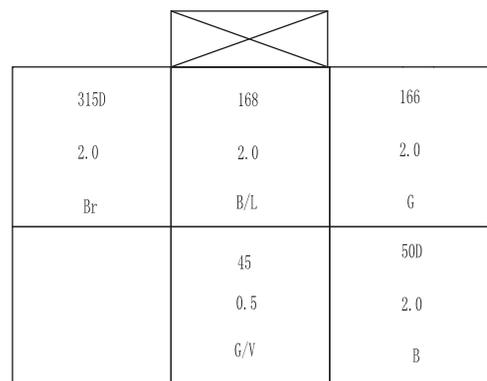
Connecting Reversing Radar Wiring Harness 2



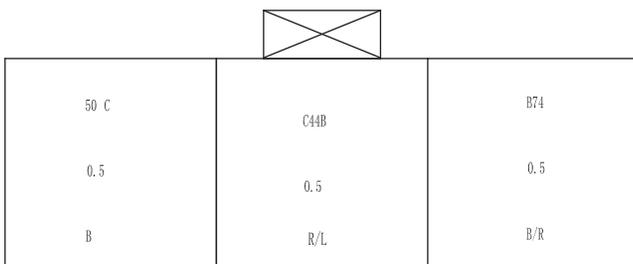
Connecting Transition Wiring Harness 2



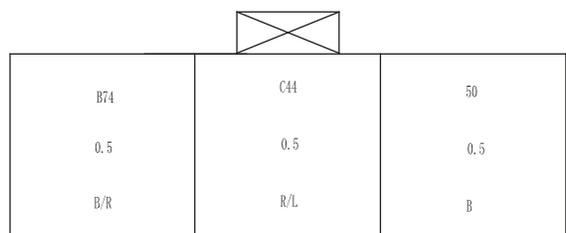
Connecting Seat Heating Wiring Harness



Connecting Cockpit Wiring Harness

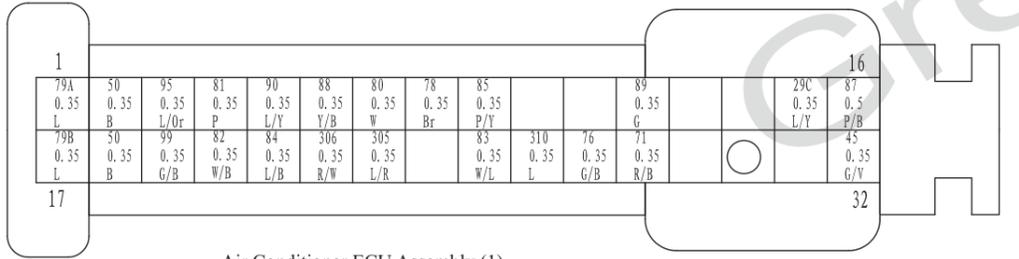
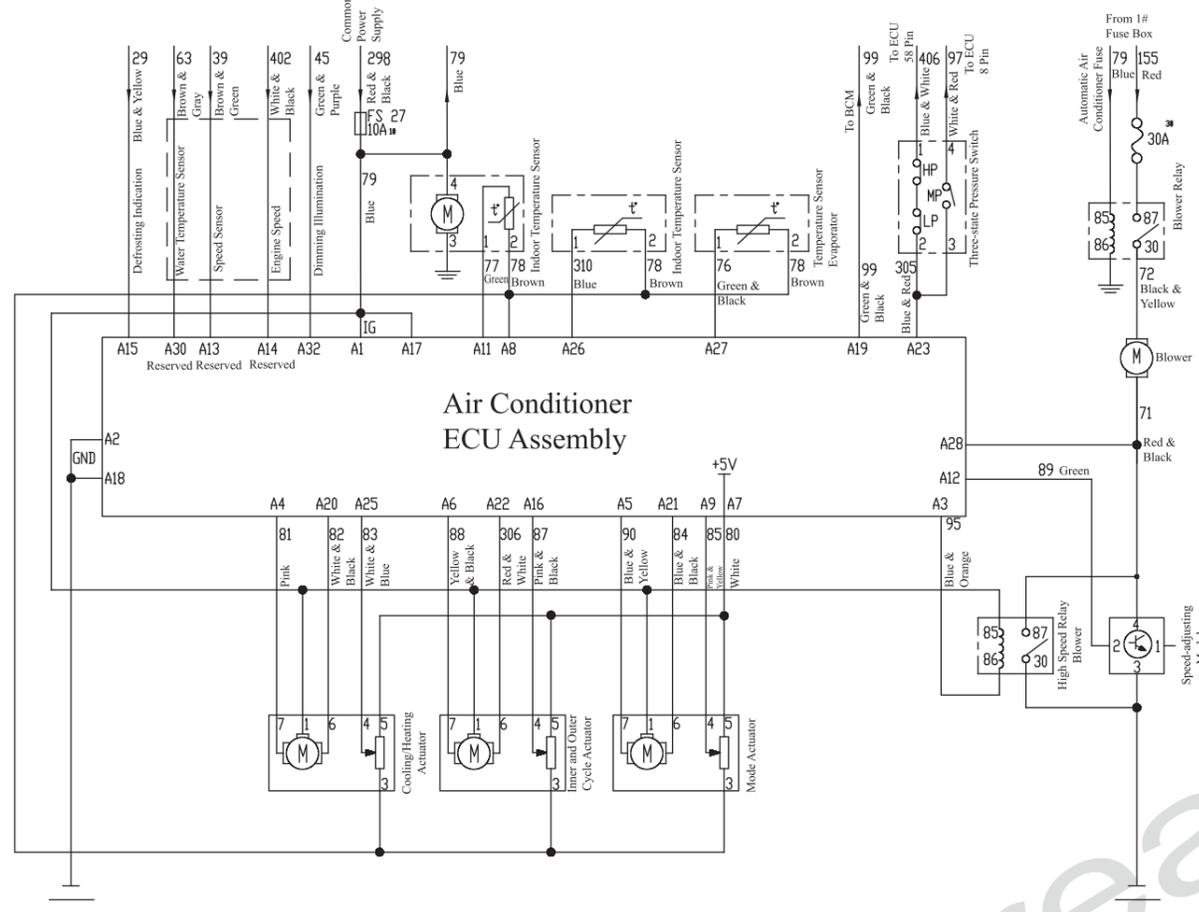


Connecting License Plate Wiring Harness

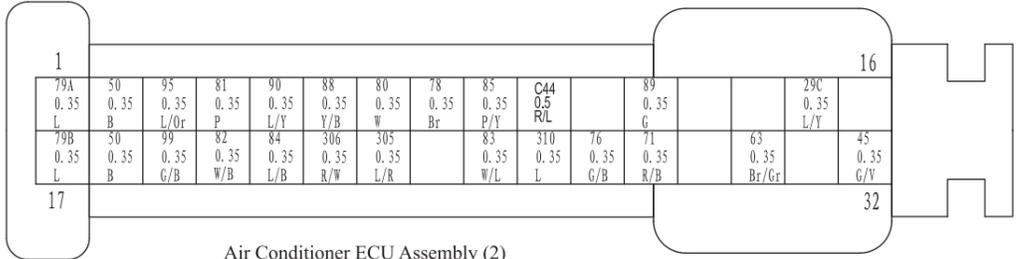


Connecting Back Door Wiring Harness

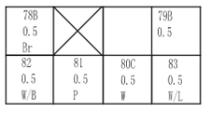
Air Conditioner



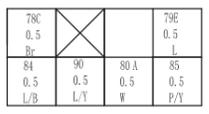
Air Conditioner ECU Assembly (1)



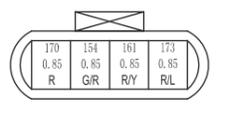
Air Conditioner ECU Assembly (2)



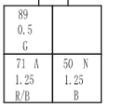
Air Conditioner Cold and Warm Air Actuator



Air Conditioner Mode Actuator



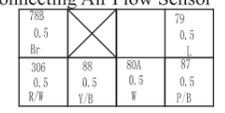
Connecting Air Flow Sensor



Speed-adjusting Module

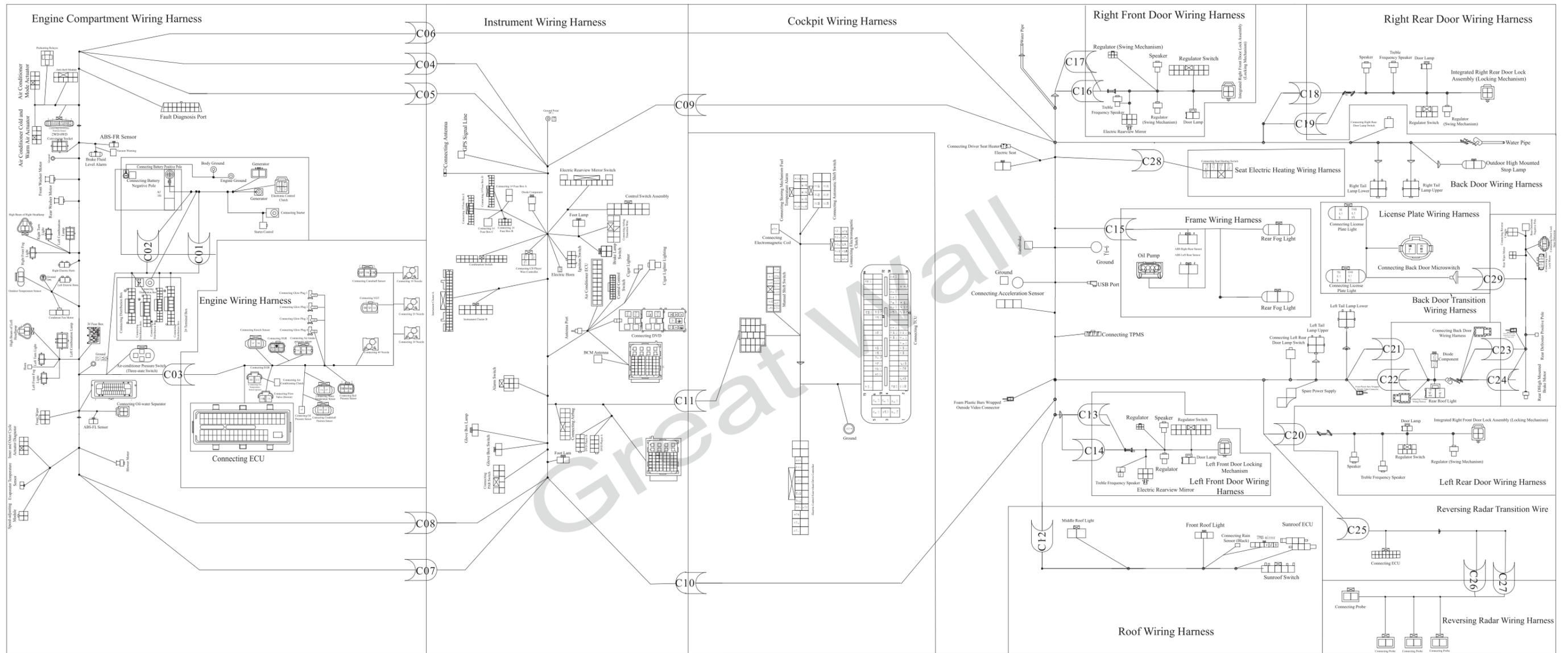


Evaporator Temperature Sensor



Inner and Outer Cycle Actuator

Relationship between Wiring Harnesses and Connector Connection Number Chart



Body Electric Apparatus

(2010-4G69-2.5TCI-4D20 Left Hand Drive, H3 Shifted to H5 Interior Trim)

Function Chart for Numbered Pins of Intermediate Connection of Wire Harness	2
Headlamp (2010).....	15
Headlamp (H3 Shifted to H5 Interior Trim)	16
Control Switch Assembly	17
Relationship between Wiring Harnesses and Connector Connection Number Chart	18
BCM Light Washer and Wiper	19
Lighting System (2010).....	21

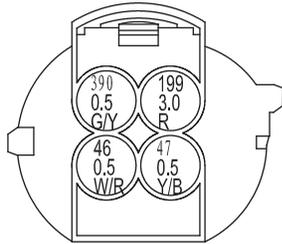
Great Wall



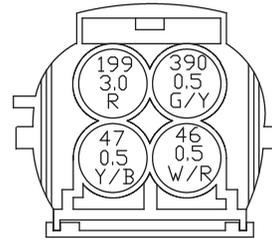
Function Chart for Numbered Pins of Intermediate Connection of Wire Harness

[2010 Gasoline Model I]

C01

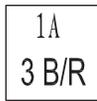


Connecting Power Supply
Wiring Harness A

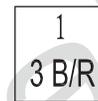


Connecting Engine Compartment
Wiring Harness 1

C02

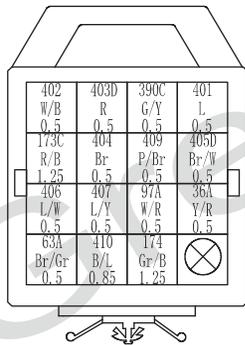


Connecting Power Supply
Wiring Harness B

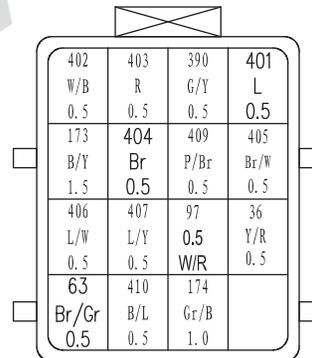


Connecting Engine Compartment
Wiring Harness B

C03

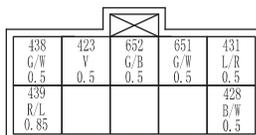


Connecting Engine Wiring
Harness 1

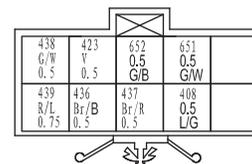


Connecting Engine Compartment
Wiring Harness 1

C04

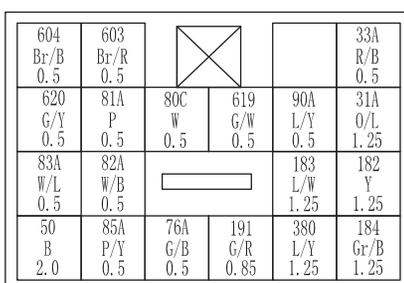


Connecting Engine Wiring
Harness 2

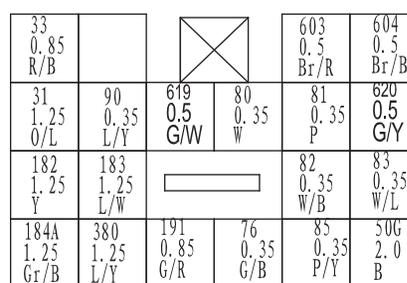


Connecting Engine Compartment
Wiring Harness 2

C05



Connecting Instrument Panel and Console
Wiring Harness 4 (TCS Configuration)



Connecting Engine Compartment
Wiring Harness 2

C06

A42 BrG 0.5	305 LR 0.5		801 RP 0.85	318 GB 0.5
A39 BrB 0.5	89A G 0.5		802 RP 0.85	60A GR 0.85
88A YB 0.5	305 RW 0.5	84A LB 0.5	78D Br 0.5	803 BR 0.5
	106C GV 1.25	42A GV 0.85	28C YW 0.5	74D LW 0.5

Connecting Instrument
Wiring Harness 1

318 GB 0.35	801 RP 0.85		305 LR 0.35	42A+42B LR 0.5+0.5
60D GR 0.85	802 RP 0.85		89 G 0.35	439A+439B BrB 0.5+0.5
38 LW 0.85	803 BR 0.5	78 Br 0.35	84 LB 0.35	306 RW 0.35
74 LW 0.5	28 YW 0.5		42D GV 0.85	106D LW 1.25

Connecting Engine Compartment
Wiring Harness 1

C07

71A RG 0.5	47A YB 0.5		402 W/B 0.5	46A W/R 0.5
401 L 0.5	83A BrGr 0.5	41A LR 0.85	E44B RY 0.5	311 R/Y 0.5
	116 RW 0.5		D44C RL 0.5	73A L/R 0.5
173A RGr 0.5	33A LO 0.5	40A Br 0.5	402B R 1.25	79A L 0.5

Connecting Instrument
Wiring Harness 4

46A WR 0.5	402A WB 0.5		47 YB 0.5	71 RB 0.35
281 GY 0.35	311 RY 0.35	E44 RL 0.5	41A O 0.5	63A BrGr 0.5
282 GL 0.35	73 LR 0.5	D44 RL 0.5		116A RW 0.5
263D RW 0.85	79A L 0.5	403A R 1.25	404A Br 0.5	95 LO 0.35

Connecting Engine Compartment
Wiring Harness 4

C08

122 G/R 0.5	300 L/W 1.25		301 L/R 1.25	302 Y/W 0.5	29A L/Y 1.25
442 G 0.5	310 L 0.5	164 L/B 0.5	423 V 0.5	438 G/W 0.5	64 RL 0.85
517 G/Y 0.5		451 R/W 0.5	173B R/Gr 0.75	439 R/L 0.75	34A B/W 1.25
500 G 2.0	4A R/G 3.0		155 W/R 3.0	150 R/L 3.0	405B Br/W 0.5

Connecting Instrument Panel and
Console Wiring Harness 3

29A LY 1.25	302 YW 0.35	301 LR 1.25		300 LW 1.25	122 GR 0.5
69C GY 0.85	64 RL 0.5	438 GW 0.5	423 V 0.5	164 LB 0.35	310 L 0.35
405A BrW 0.5	34A RL 1.25	439 RL 0.75	173B RW 0.85	451A RW 0.5	452 RL 0.5
150A RL 3.0	155A WR 3.0	4A RG 3.0		500 G 2.0	

Connecting Engine Compartment
Wiring Harness 3

C09

29A L/Y 1.25	315A Br 2.0			135 L/W 1.25
17A R/Y 1.25	D44B R/L 0.85	E44A R/Y 0.85		36A Y/R 0.5
614 Gr/Br 0.5	613 Br/B 0.5			
615 Br/R 0.5	50C B 2.0	609 G/B 0.5	610 G/R 0.5	611 G/L 0.5

Connecting Cockpit Wiring
Harness

135 0.85 L/W				315E 2.0 Br	29 1.25 L/Y
36 0.5 Y/R			E44 0.5 R/Y	D44 0.5 R/L	35 1.25 Y
				613 0.5 Br/B	614 0.5 Gr/Br
612 0.5 G/V	611 0.5 G/L	610 0.5 G/R	609 0.5 G/B	50Y 2.0 B	615 0.5 Br/R

Connecting Engine
Compartment Wiring Harness

C10

T02 Br 0.5	T01 BrL 0.5		261 R 2.0	37C Lg 0.85
T41 BrR 0.5	T42 BrW 0.5	162 BY 0.5	6A WG 0.85	7A 0.85
T32 BrGr 0.5	T31 BrY 0.5			375 GB 0.5
T51 BrG 0.5	T52 BrB 0.5	316 Br 2.0	13 GrR 0.85	45J GV 0.5

Connecting Cockpit Wiring Harness 2

37A G 0.5	261B R 2.0		T01 BrL 0.5	T02 Br 0.5
12B GrB 0.5	7B BW 0.85	6B WG 0.85	162 BY 0.5	142 BrW 0.5
69A GY 0.85	375 GB 0.5			T31 BrY 0.5
42B GV 0.85	45A GV 0.5	13B GrR 0.5	316A Br 2.0	T52 BrB 0.5

Connecting Instrument Wiring Harness 2

Body Electric Apparatus

(2010-4G69-2.5TCI-4D20 Left Hand Drive, H3 Shifted to H5 Interior Trim) - 4

C11

183 0.5 L/W	48 0.5 W/G	711 0.35 R/W
895 0.35 G/R	811 0.5 W/B	C44 0.5 R/L
A615 0.5 R/W	504D 0.5 W/L	B12 0.35 Gr/B
	162 0.5 B/Y	B74 0.35 B/R
	B5 0.35 R/L	349 0.5 W/B
	B22 0.35 Gr/W	36 0.5 Y/R
	C5 0.35 W/R	B73 0.5 B/R
	B24 0.35 Gr/W	

Connecting Cockpit Wiring
Harness 1A
H:MG611987-5

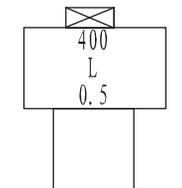
B33 0.85 R/B		163 1.25 L/R	18 0.35 W
24 0.85 B/G	22 0.85 R/Y	20 0.85 Y/W	33 0.85 R/B
21 0.85 G	60B 0.85 G/R	32 0.85 0	26 0.85 Y/R
		155 3.0 W/R	260B 2.0 R/G

Connecting
Cockpit Wiring
Harness 1B

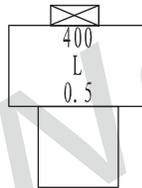
	B24 0.5 Gr/W		260B 2.0 R/G	8 0.85 D/G	30 0.85 Y/L	18 0.85 R/L
	C5 0.5 W/R	B73 0.5 B/R		26 0.85 Y/R	33 0.85 R/B	163 1.25 L/R
	B22 0.5 Gr/W	36 0.5 Y/R		32 0.85 D	20 0.85 Y/W	
	B5 0.5 R/L	34B 0.5 W/B		60B 0.85 G/R	22 0.85 R/Y	
	162 0.5 B/Y	B74 0.5 B/R		21 0.85 G	24 0.85 B/G	B33 0.85 R/B
A615 0.5 R/W	504D 0.5 W/L	B12 0.35 Gr/B				
895 0.35 G/R	811 0.5 W/B	C44 0.5 R/L				
183 0.5 L/W	48 0.5 W/G	711 0.35 R/W				

Connecting Instrument
Wiring Harness 1

C12



Connecting Antenna



Connecting Instrument
Wiring Harness

C13

	38 0.85 L/W	500 2.0 C	423 V 0.5	
		37 0.85 L/G	438 G/W 0.5	517 C/O 0.5
	67 0.5 L/G	50 B 0.85	439 R/L 0.75	515 Y 0.5
		39 0.5 Br/G	173 0.75 R/W	516 Y/L 0.5
	350 G/Y 0.5		511 0.5 C/B	

Connecting MT Wiring
Harness Assembly

	423 V 0.5	500 2.0 G	38 0.85 Y/G	44 0.5 R/L
517 G/D 0.5	438 G/W 0.5	37 0.85 G/W		
515 0.5 Y	439 R/L 0.75	67 0.5 L/G		
516 0.5 Y/L	173 0.75 R/W	50 B 0.85		
	511 0.5 G/B	39 0.5 Br/G	350 0.5 G/Y	

Connecting Instrument
Panel Wiring Harness

C14

50 0.85 B	34 0.5 W/B	135 0.85 L/W		163 0.5 Br/B	504 0.5 V/L
			183 0.5 L/W	895 0.35 G/R	A615 0.5 R/W

Connecting Roof
Wiring Harness

504 0.5 V/L	163 1.25 L/R		135 0.85 L/W	34 0.5 W	504 0.85 B
31 0.5 R/W	895 0.35 G/R	183 0.5 L/W			

Connecting Cockpit Wiring
Harness (Sunroof)

C15

155A WR 2.0	21C G 0.85		T41 BrR 0.5	12A GrB 0.5
42A GV 0.5	T42 BrW 0.5	504A WL 0.5	B24 GrW 0.5	34A W 0.5
				13A GrR 0.5

Connecting Right Front
Door Wiring Harness 1

12A GrB 0.5	T41 T41A BrR 0.5		21A G 0.85	155 WR 2.0
13A GrR 0.5	34A W 0.5	B24 GrW 0.5	504 WL 0.5	T42 T42A BrW 0.5+0.5
				42A GV 0.5

Connecting Cockpit Wiring
Harness 1 (Anti-pinch)

C16

24A BG 0.85	7A BW 0.85	□		6A WG 0.85
261A R 2.0	18A RL 0.85	26A YR 0.85	50A B 2.0	29A LY 0.85

Connecting Right Front Door Wiring Harness 2

6A WG 0.85	29A LY 0.85	50A B 2.0	26A YR 0.85	18A RL 0.85	7A BW 0.85	24A BG 0.85	261A R 2.0
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Connecting Cockpit Wiring Harness 2

C17

69 0.85 G/Y	36 0.5 Y/R	□		35 1.25 Y	
50L 1.25 B	612 0.5 G/Br	611 0.5 G/L	50AG 0.5 B	610 0.5 G/R	609 0.5 G/B

Connecting Chassis Wiring Harness

35 1.25 Y	609 0.5 G/B	610 0.5 G/R	50AG 0.5 B	611 0.5 G/L	612 0.5 G/V	36 0.5 Y/R	69 0.85 G/Y	50 1.25 B
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Connecting Floor Wiring Harness

C18

B12 GrB 0.5	7D BW 0.85	□		T01 BrL 0.5	T02 Br 0.5
B22 GrW 0.5	6D WG 0.85	29B LY 0.85	504D WL 0.5	60A GR 0.5	34D W 0.5

Connecting Left Front Door Wiring Harness 1

9A Br 0.5+0.5 10A	11A BrL 0.5+0.5 8A	□		7A BW 0.85	B12 GrB 0.5
34A W 0.5	60A GR 0.5	504 WL 0.5	29A LY 0.85	6A WG 0.85	B22 GrW 0.5

Connecting Floor Wiring Harness 1

C19

260B 2.0 R/G	155 2.0 W/R	□		18 0.5 R/L	50U 2.0 B
12 0.5 Gr/B	13 0.5 Gr/R	22 0.85 R/Y	21 21A	20 0.85 Y/W	

Connecting Left Front Door Wiring Harness 2

50 2.0 B	18 0.85 R/L	□		155 2.0 W/R	260 2.0 R/G
20 0.85 Y/W	21 0.85 G	22 0.85 R/Y	13 0.85 Gr/R	12 0.85 Gr/B	

Connecting Floor Wiring Harness 2 (Anti-pinch)

C20

155 2.0 W/R	□		261A 2.0 R
6B 0.85 W/G	50N 2.0 B	7B 0.85 B/W	

Connecting Right Rear Door Wiring Harness 1

261 2.0 R	□		155 2.0 W/R
7 0.85 B/W	50 2.0 B	6 0.85 W/G	

Connecting Floor Wiring Harness 1 (Anti-pinch)

Body Electric Apparatus

(2010-4G69-2.5TCI-4D20 Left Hand Drive, H3 Shifted to H5 Interior Trim) - 6

C21

T31 BrY 0.5			504B WL 0.5
T32 BrGr 0.5	34B W 0.5		18B RL 0.85

Connecting Right Rear Door Wiring Harness 2

504 WL 0.5			T31A BrY 0.5
18A RL 0.85		34A W 0.5	T32A BrGr 0.5

Connecting Floor Wiring Harness 2

C22

6E WG 0.85	155E WR 2.0			50P B 2.0	260C RG 2.0
T51 BrG 0.5	T52 BrB 0.5	7E BW 0.85	34F W 0.5	504F WL 0.85	18D RL 0.85

Connecting Left Rear Door Wiring Harness

260A RG 2.0	50A B 2.0			155 WR 2.0	6A WG 0.85
18A RL 0.85	504 WL 0.5	34A W 0.5	7A BW 0.85	T52A BrB 0.5	T51A BrG 0.5

Connecting Floor Wiring Harness

C23

33A RB 0.85				
70A WG 0.5	32A O 0.85	34G W 0.5	37E G 0.85	

Connecting Tail Gate Transition Wiring Harness

				33A RB 0.85
	37A G 0.5	34A W 0.5	32A O 0.85	711A RW 0.5

Connecting Cockpit Wiring Harness

C24

29D LY 1.25	30A YL 0.85			C44 RL 0.5
B73 BR 0.85	B74 BR 0.5	8A OG 0.85	50U B 1.25	T50 B 0.5

Connecting Tail Gate Transition Wiring Harness 1

C44B RL 0.5			30A YL 0.85	29A LY 1.25
T50 B 0.5	50A B 1.25	8A OG 0.85	B74 BR 0.5	B73 BR 0.85

Connecting Cockpit Wiring Harness 1

C25

30A YL 0.85			29A LY 1.25
50A B 1.25	8A OG 0.85	B74 BR 0.5	B73 BR 0.85

Connecting Tail Gate 1

29 LY 1.25			30 YL 0.85
B73 BR 0.85	B74 BR 0.5	8 OG 0.85	50A B 1.25

Connecting Tail Gate Transition Wiring Harness 1

C44B RL 0.5		37A G 0.5	33A RB 0.85
T50 B 0.5		711C RW 0.5	32A O 0.85

Connecting Tail Gate 2



33 RB 0.85	37 G 0.5		C44 RL 0.5
	32 O 0.85	711 RW 0.5	T50 B 0.5

Connecting Tail Gate
Transition Wiring Harness 2



50 0.85 B	37 0.85 G/W
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Connecting Reversing Radar
Transition Wiring Harness

37 0.85 G/W	50 0.85 B
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Connecting Cockpit
Wiring Harness



881 0.5 Y/R	882 0.5 Y/L
885 0.5 Y/B	50 0.85 B

Connecting Reversing
Radar Wiring Harness 1

882 0.5 Y/L	881 0.5 Y/R
50 0.85 B	885 0.5 Y/B

Connecting Transition
Wiring Harness 1

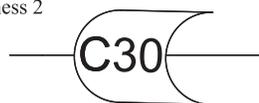


883 0.5 G/R	884 0.5 G/L
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Connecting Reversing
Radar Wiring Harness 2

884 0.5 G/L	883 0.5 G/R
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Connecting Transition
Wiring Harness 2

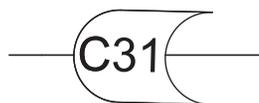


50C 0.5 B	C44B 0.5 R/L	B74 0.5 B/R
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Connecting License
Plate Wiring Harness

B74 0.5 B/R	C44B 0.5R/L	50C 0.5 B
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Connecting Back
Door Wiring Harness



166 G 2.0	168 BL 2.0	315A Br 2.0
50E B 2.0	45A GV 0.5	

Connecting Seat Heating
Wiring Harness

315 Br 2.0	168 BL 2.0	166 G 2.0
	45A GV 0.5	50A B 2.0

Connecting Cockpit
Wiring Harness

[2010 Gasoline Model II (difference between II and I)]

05

604 Br/B 0.5	603 Br/R 0.5	33A R/B 0.5	620 G/Y 0.5	81A P 0.5	80C W 0.5	619 B/W 0.5	90A L/Y 0.5	31A O/L 1.25	83A W/L 0.5
82A W/B 0.5	183 L/W 1.25	182 Y 1.25	50-11 B 2.0	85A P/Y 0.5	76A G/B 0.5	191 G/R 0.85	380 L/Y 1.25	184 G/B 1.25	

Connecting Instrument
Wiring Harness 2

83 WL 0.35	31 OL 1.25	90 LY 0.35	619 GW 0.5	80 W 0.35	816 P 0.35	20A+620 GY 5+0.50	33D RB 0.85	603 BrR 0.5	604 BrB 0.5
184 GrB 1.25	380 LY 1.25	191 GR 0.85	76 GB 0.35	85 PY 0.35	50A B 2.0	182 Y 1.25	183C LW 1.25	82 WB 0.35	

Connecting Engine Compartment
Wiring Harness 2

06

A12 Br/G 0.5	305 L/R 0.5	B01 R/P 0.85	318 G/B 0.5	89A G 0.5	B02 R/B 0.85	60A G/R 0.85	88A Y/B 0.5	306 R/W 0.5	84A L/B 0.5	78D Br 0.5
A39 Br/B 0.5	B03 B/R 0.5	38A Y/G 0.85	106C G/Y 1.25	42A G/Y 0.85	28C Y/W 0.5	74D L/W 0.5				

Connecting Instrument
Wiring Harness 1

78 Br 0.35	84 LB 0.35	306 RW 0.35	88 YB 0.35	60D GR 0.85	B02 RB 0.85	89 G 0.35	318 GB 0.35	B01 RP 0.85	305 LR 0.35	A42A-A42B BrG-BrG 0.5+0.5
				74 LW 0.5	28 YW 0.5	42D GV 0.85	106D LW 1.25	38 LW 0.85	B03 BR 0.5	A39A-A39B BrP-BrB 0.5+0.5

30

Connecting Engine Compartment
Wiring Harness 1

07

282 G/L 0.5	401 L 0.5	63A Br/Gr 0.5	41A L/R 0.85	E44B R/Y 0.5	311 R/Y 0.5	281 G/R 0.5	71A R/G 0.5	47A Y/B 0.5	402 W/B 0.5	46A W/R 0.5
	173A R/Gr 0.5	95A L/O 0.5	404 Br 0.5	403B R 1.25	79A L 0.5	263 R/W 0.85	116 R/W 0.5		D44C R/L 0.5	73A L/R 0.5

Connecting Instrument
Wiring Harness 4

46A WR 0.5	402B-402C WB 0.5+0.35	47 YB 0.5	71 RB 0.35	281 GY 0.35	311 RY 0.35	44 RL 0.5	41B+41C Y 0.5+0.5	63B+63C BrGr 0.5+0.35	401 L 0.5	282 GL 0.35
73 LR 0.5	D44 RL 0.5		116A RW 0.5	263D R/W 0.85	79A L 0.5	403A R 1.25	404A Y 0.5	95 LO 0.35	173A RW 0.5	

Connecting Engine
Compartment Wiring Harness 4

09

29A L/Y 1.25	315 Br 2.0	135 L/W 1.25	17A R/Y 1.25	D44B R/L 0.5	E44A R/Y 0.5	36A Y/R 0.5	614 Gr/Br 0.5	613 Br/B 0.5
615 Br/R 0.5	50C B 2.0	609 G/B 0.5	610 G/R 0.5	611 G/L 0.5	612 G/Br 0.5			

Connecting Cockpit Wiring Harness

613 BrB 0.5	614 GrBr 0.5	36B YR 0.5	E44 RY 0.5	D44 RL 0.5	35A Y 1.25	135 LW 0.85	315B Br 2.0	29C LY 1.25
	69 GY 0.5	64 RL 0.5	612 GBr 0.5	611 GL 0.5	610 GR 0.5	609 GB 0.5	50N B 2.0	615 BrR 0.5

Connecting Engine
Compartment Wiring Harness

10

T41 BrR 0.5	T42 BrW 0.5	162 BY 0.5	6A WG 0.85	7A BW 0.85	12 GrB 0.85	T02 Br 0.5	T01 BrL 0.5	261 R 2.0	37C Lg 0.85
T51 BrG 0.5	T52 BrB 0.5	316 Br 2.0	13 GrR 0.85	45J GV 0.5	42C GV 0.85	T32 BrGr 0.5	T31 BrY 0.5	375 GB 0.5	69D GY 0.5

Connecting Cockpit
Wiring Harness 2

37A G 0.5	261B R 2.0	T01 BrL 0.5	T02 Br 0.5	12B GrB 0.5	7B BW 0.85	6B WG 0.85	162 BY 0.5	T42 BrW 0.5	T41 BrR 0.5
69A GY 0.5	375 GB 0.5	T31 BrY 0.5	T32 BrGr 0.5	42B GV 0.85	45A GV 0.5	13B GrR 0.5	316A Br 2.0	T52 BrB 0.5	T51 BrG 0.5

Connecting Instrument
Wiring Harness 2

20

155B W/R 2.0	X		261C R 2.0
	6C 0.85 W/G	50B B 2.0	7C BW 0.85

Connecting Right Rear Door
Wiring Harness 1

261A R 2.0	X		155 WR 2.0
7A BW 0.85	50A B 2.0	6A WG 0.85	

Connecting Floor Wiring
Harness 1 (Anti-pinch)

22

504F WL 0.5	X		18D RL 0.85
T51 BrG 0.5	T52 BrB 0.5	7E BW 0.85	34F W 0.5

Connecting Left Rear
Door Wiring Harness 1

18A RL 0.85	X		504 WL 0.5
34A W 0.5	7A BW 0.85	T52A BrB 0.5	T51A BrG 0.5

Connecting Cockpit
Wiring Harness 1

32

6E WG 0.85	155E W/R 2.0	50P B 2.0	260C RG 2.0
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Connecting Left Rear
Door Wiring Harness 2

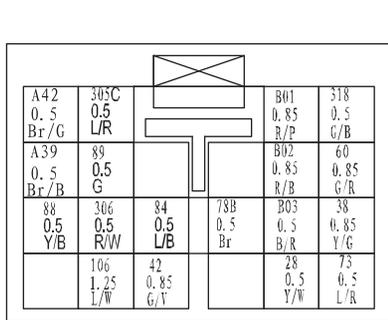
X			
260A RG 2.0	50A B 2.0	155 WR 2.0	6A WG 0.85

Connecting Cockpit
Wiring Harness 2

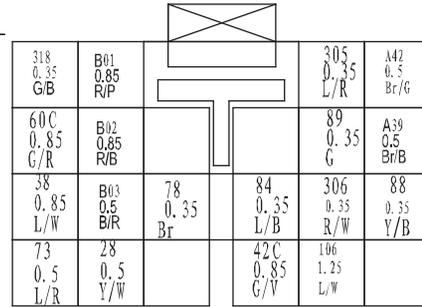
Body Electric Apparatus

(2010-4G69-2.5TCI-4D20 Left Hand Drive, H3 Shifted to H5 Interior Trim) - 10

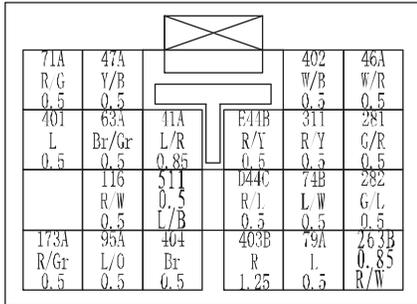
[H3 Shifted to H5 Interior Trim Gasoline Model I (difference with 2010 Gasoline Model I)]



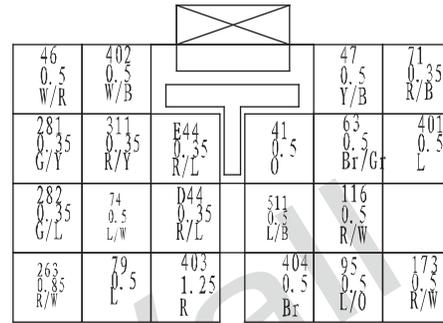
Connecting Instrument Wiring Harness 1



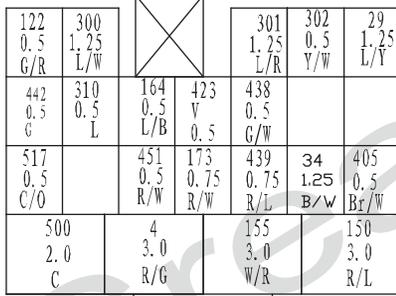
Connecting Engine Compartment Wiring Harness 1



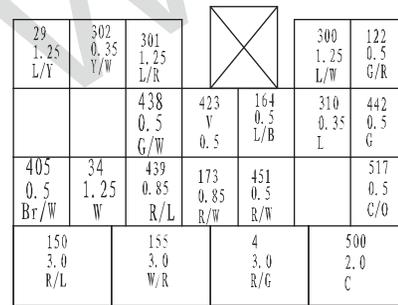
Connecting Instrument Wiring Harness 4



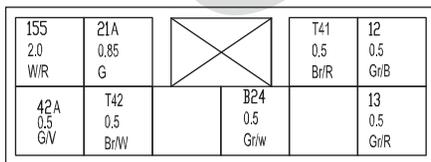
Connecting Engine Compartment Wiring Harness 4



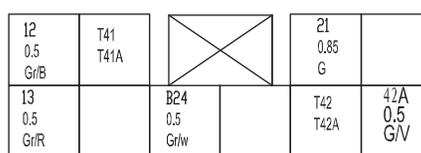
Connecting Instrument Panel and Console Wiring Harness 3



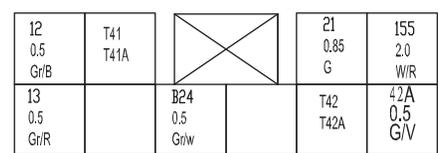
Connecting Engine Compartment Wiring Harness 3



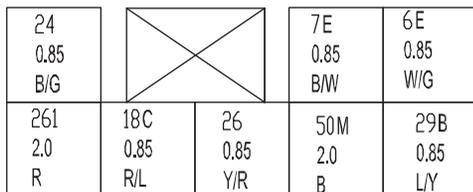
Connecting Right Front Door Wiring Harness 1



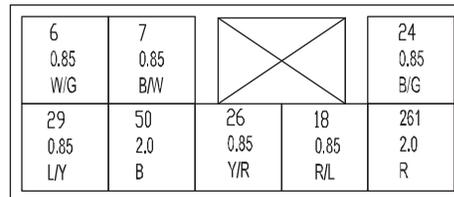
Connecting Cockpit Wiring Harness 1 (Non-anti-pinch)



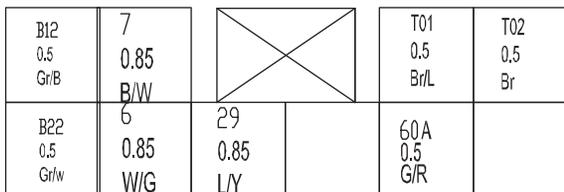
Connecting Cockpit Wiring Harness 1 (Anti-pinch)



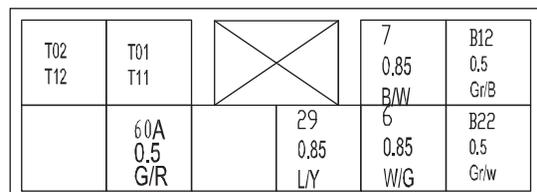
Connecting Right Front Door Wiring Harness 2



Connecting Cockpit Wiring Harness 2



Connecting Left Front Door Wiring Harness 1



Connecting Floor Wiring Harness 1



T31 0.5 Br/Y	X		
T32 0.5 Br/Gr			18A 0.85 R/L

Connecting Right Rear Door Wiring Harness 2

	X		T31 T31A
18 0.85 R/L			T32 T32A

Connecting Floor Wiring Harness 2



6C 0.85 W/G	155 2.0 W/R	X		50B 2.0 B	260A 2.0 R/G
T51 0.5 Br/G	T52 0.5 Br/B	7C 0.85 B/W			18B 0.85 R/L

Connecting Left Rear Door Wiring Harness

260 2.0 R/G	50 2.0 B	X			6 0.85 W/G
18 0.85 R/L			7 0.85 B/W	T52 T52A	T51 T51A

Connecting Floor Wiring Harness 2 (Non-anti-pinch)

260 2.0 R/G	50 2.0 B	X		155 2.0 W/R	6 0.85 W/G
18 0.85 R/L			7 0.85 B/W	T52 T52A	T51 T51A

Connecting Floor Wiring Harness 2 (Anti-pinch)



33C 0.85 R/B	X			C44 0.5 R/L
711 0.5 R/W	32 0.85 O	34A 0.5 W	37 0.5 G	T50 0.5 B

Connecting Tail Gate Transition Wiring Harness

44C 0.5 R/L	X			33C 0.85 R/B
900 0.5 B	505 0.5 R/Y	34A 0.5 W	32 0.85 O	711 0.5 R/W

Connecting Cockpit Wiring Harness



29A 1.25 L/Y	X		30 0.85 Y/L
6D 0.85 W/G	7D 0.85 B/W	8 0.85 O/G	50H 1.25 B

Connecting Tail Gate Transition Wiring Harness 1

30 0.85 Y/L	X			29 1.25 L/Y
50 1.25 B	8 0.85 O/G	7 0.85 B/W	6 0.85 W/G	

Connecting Cockpit Wiring Harness 1



30 0.85 Y/L	X		29 1.25 L/Y
50 1.25 B	8 0.85 O/G	7 0.85 B/W	6 0.85 W/G

Connecting Tail Gate 1

29 1.25 L/Y	X		30 0.85 Y/L
6 0.85 W/G	7 0.85 B/W	8 0.85 O/G	50 1.25 B

Connecting Tail Gate Transition Wiring Harness 1



	505 0.5 R/Y	33 0.85 R/B
	32 0.85 O	900 0.5 B

Connecting Tail Gate 2

33 0.85 R/B	505 0.5 R/Y	44 0.5 R/L
900 0.5 B	32 0.85 O	70 0.5 R/W

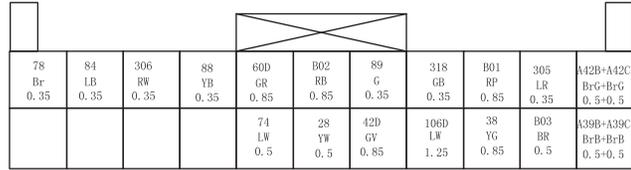
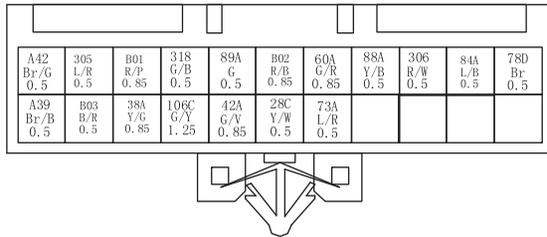
Connecting Tail Gate Transition Wiring Harness 2

Body Electric Apparatus

(2010-4G69-2.5TCI-4D20 Left Hand Drive, H3 Shifted to H5 Interior Trim) - 12

[H3 Shifted to H5 Interior Trim Gasoline Model II (H3 Shifted to H5 Interior Trim Gasoline Model I)]

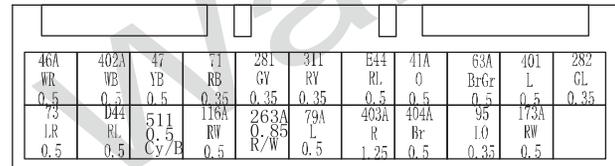
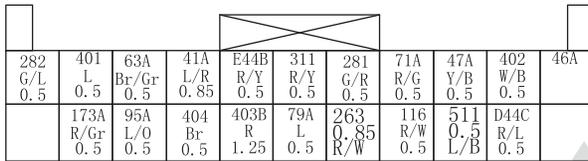
06



Connecting Engine
Compartment Wiring Harness 1

Connecting Instrument
Wiring Harness 1

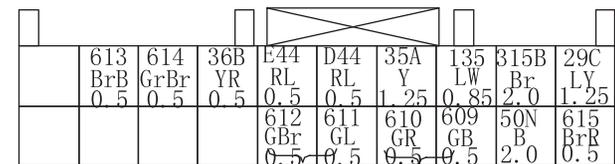
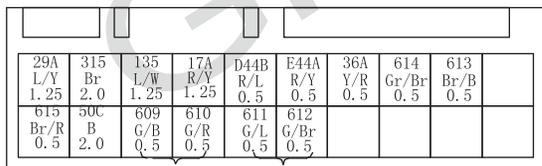
07



Connecting Instrument
Wiring Harness 4

Connecting Engine Compartment
Wiring Harness 4

09

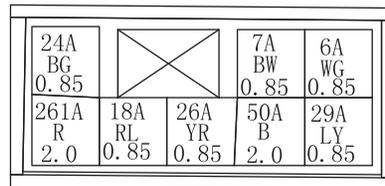
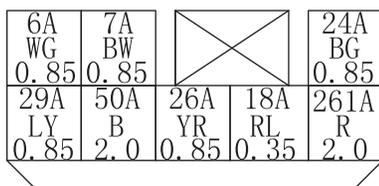


Tighten the self-lock piece

Connecting Cockpit
Wiring Harness

Connecting Engine
Compartment Wiring Harness

16



Connecting Right Front
Door Wiring Harness 2

Connecting Cockpit
Wiring Harness 2

22

			18D RL 0.35
T51 BrG 0.5	T52 BrB 0.5	7E BW 0.85	

Connecting Left Rear Door Wiring Harness 1

18A RL 0.85			
	7A BW 0.85	T52A BrB 0.5	T51A BrG 0.5

Connecting Cockpit Wiring Harness 1

23

C44 RL 0.5				33A RB 0.85
T50 B 0.5	37E GW 0.5	34G W 0.5	32A O 0.85	70A RW 0.5

Connecting Tail Gate Transition Wiring Harness

33A RB 0.85				C44 RL 0.5
70A RW 0.5	32A O 0.85	34G W 0.5	37E GW 0.5	T50 B 0.5

Connecting Cockpit Wiring Harness

26

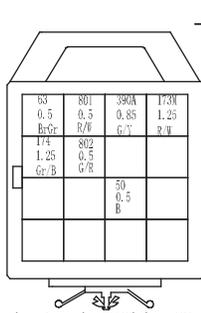
44 0.5 R/L			33 0.85 R/B
32 0.85 O	505 0.5 R/Y	900 0.5 B	70 0.5 R/W

Connecting Tail Gate 2

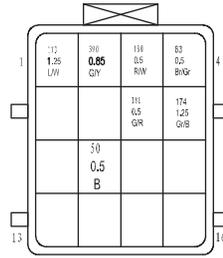
33 0.85 R/B			44 0.5 R/L
70 0.5 R/W	900 0.5 B	505 0.5 R/Y	32 0.85 O

Connecting Tail Gate Transition Wiring Harness 2

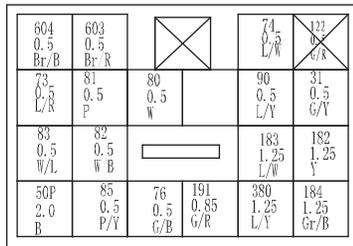
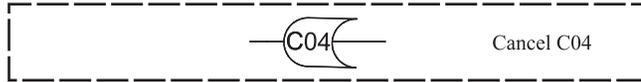
Diesel Model (difference with 2010 Gasoline Model I)



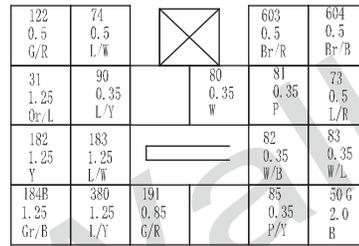
Connecting Engine Wiring Harness 1



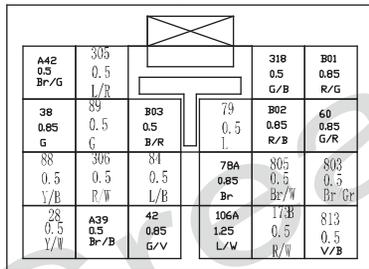
Connecting Engine Compartment Wiring Harness 1



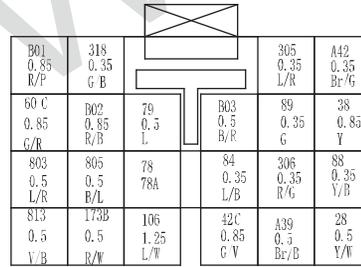
Connecting Instrument Panel and Console Wiring Harness 2



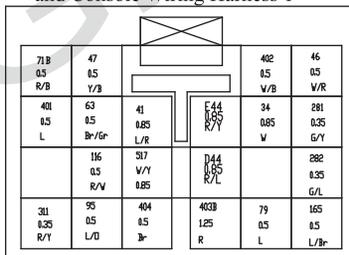
Connecting Engine Compartment Wiring Harness 2



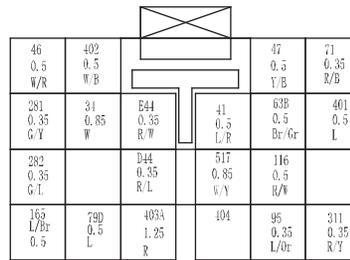
Connecting Instrument Panel and Console Wiring Harness 1



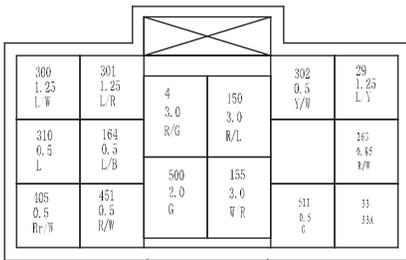
Connecting Engine Compartment Wiring Harness 1



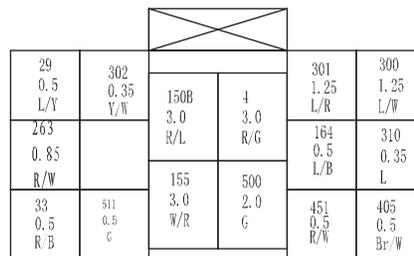
Connecting Instrument Wiring Harness 4



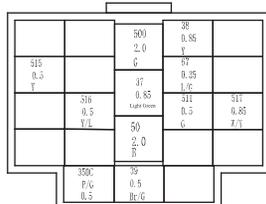
Connecting Engine Compartment Wiring Harness 4



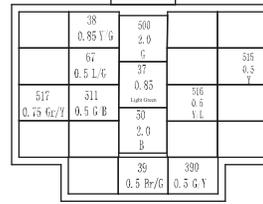
Connecting Instrument Wiring Harness 3



Connecting Engine Compartment Wiring Harness 3

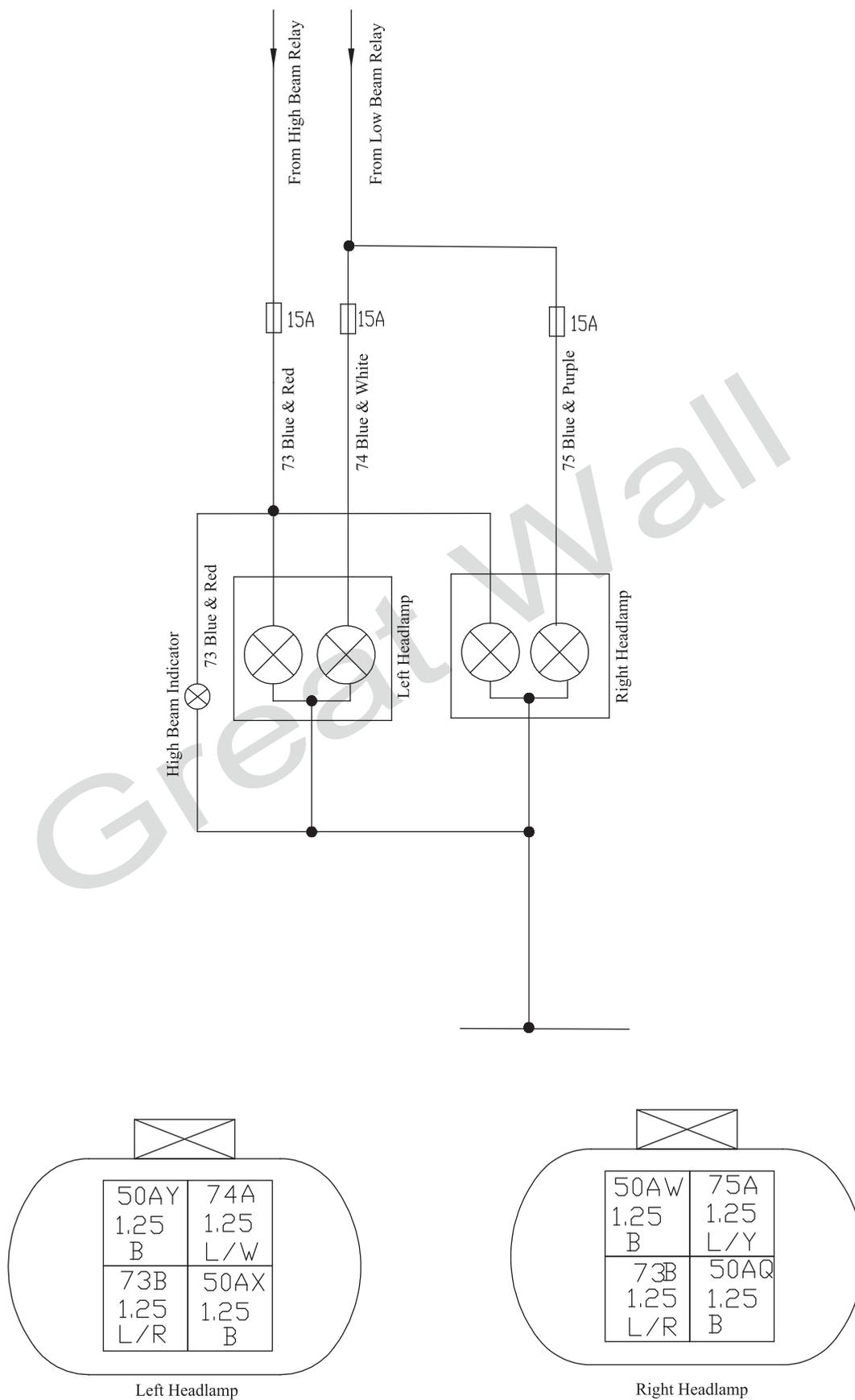


Connecting MT/AT Wiring Harness Assembly

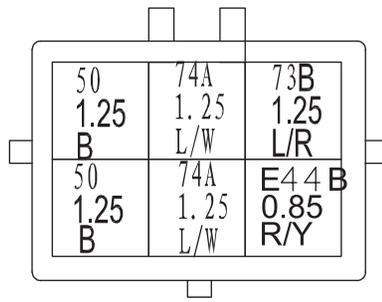
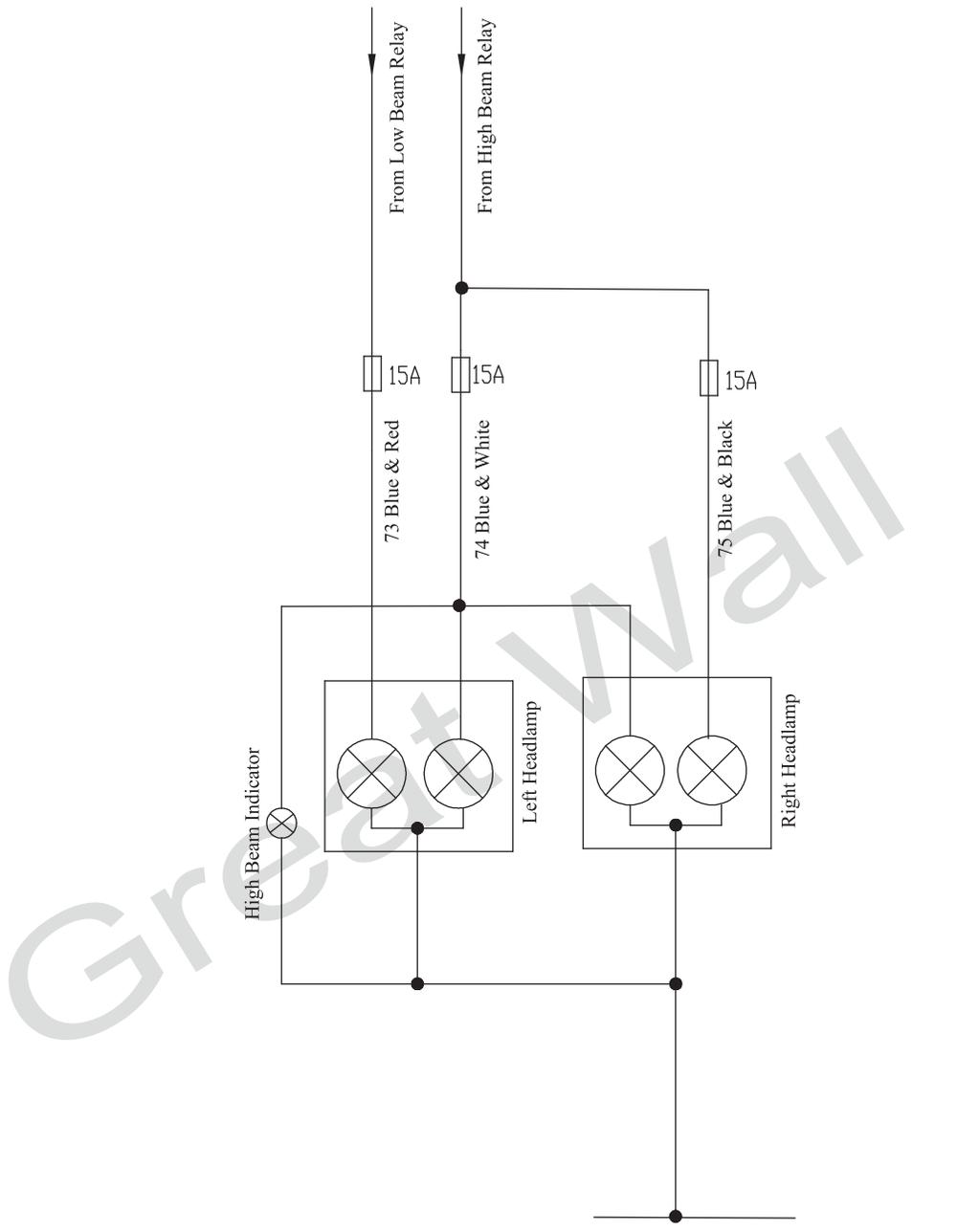


Connecting Instrument Wiring Harness

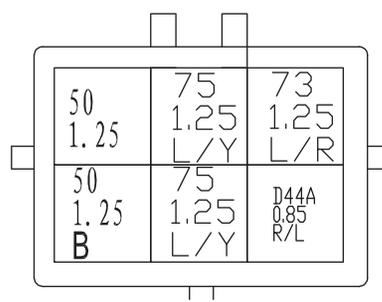
Headlamp (2010)



Headlamp (H3 Shifted to H5 Interior Trim)

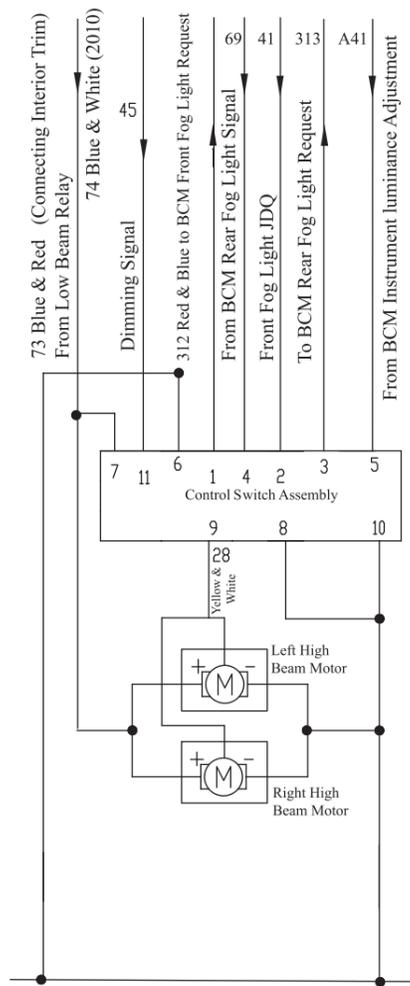


Left Combination Lamp



Right Combination Lamp

Control Switch Assembly



50L 0.5 B	74 0.5 L/W	28 0.5 Y/W	50 0.5 B	45 1.25 G/V	
312 0.35 R/Y	41 0.5 L/R	313 0.35 R/B	69B 0.5 G/Y	A41 0.35 Br/B	50J 0.5 B

Control Switch Assembly

50 0.5 B	28B 0.5 Y/W	74C 0.5 L/W
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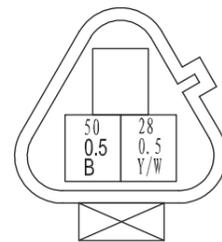
High Beam of Left Headlamp

50 0.5 B	28A 0.5 Y/W	75D 0.5 L/W
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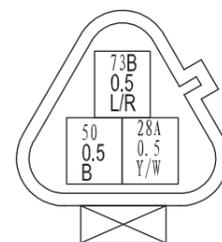
High Beam of Right Headlamp

50L 0.5 B	73 0.5 L/R	28 0.5 Y/W	50 0.5 B		
312 0.35 R/Y	41 0.5 L/R	313 0.35 R/B	69B 0.5 G/Y		50J 0.5 B

Control Switch Assembly
(H3 Shifted to H5 Interior Trim)



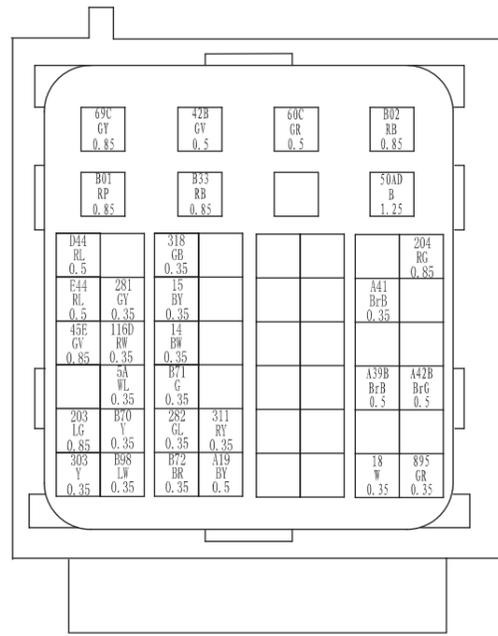
High Beam of Right Headlamp
(H3 Shifted to H5 Interior Trim)



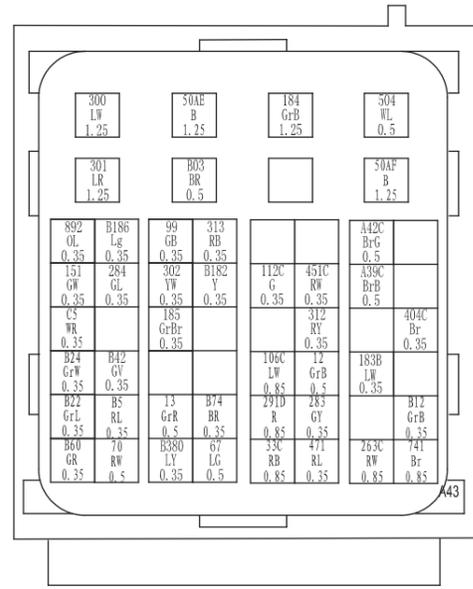
High Beam of Left Headlamp
(H3 Shifted to H5 Interior Trim)

Body Electric Apparatus

(2010-4G69-2.5TCI-4D20 Left Hand Drive, H3 Shifted to H5 Interior Trim) - 20



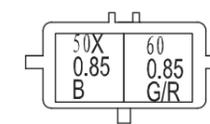
Connecting BCM-A (H3 Shifted to H5 Interior Trim)



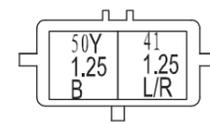
Connecting BCM-B

B42 0.35 G/V	50 0.5 B	116 0.5 R/W	50 0.5 B	283 0.35 G/Y		284 0.35 G/L	892 0.35 Or/L	254 0.5 G/B	151 0.35 G/W	50 0.5 B	
50 0.5 B	50 0.5 B	30 0.85 Y/L	8A 0.5 Or/G	191 0.85 G/R	32 0.85 Or	184A 0.5 Gr/B	B182 0.35 Y	B380 0.35 L/Y	B186 0.35 Lg	B60 0.35 G/R	254 0.5 G/B

Combination Switch



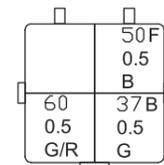
Left Turn Light



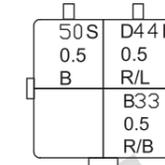
Left Front Fog Lamp



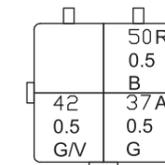
Left Upper Tail Lamp



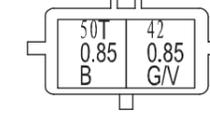
Left Lower Tail Lamp



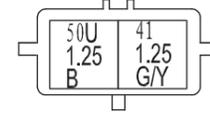
Right Upper Tail Lamp



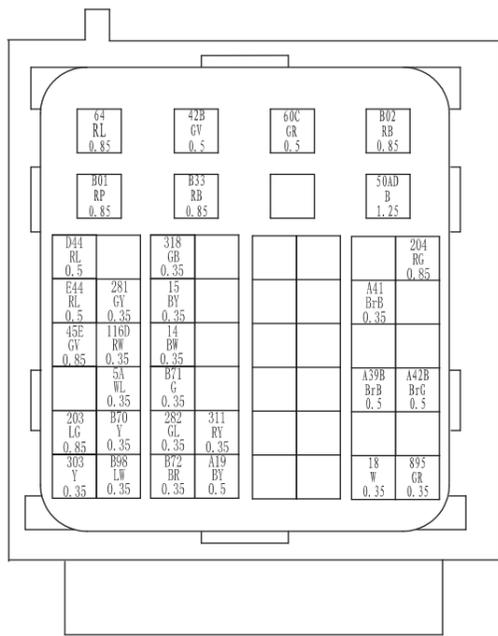
Right Lower Tail Lamp



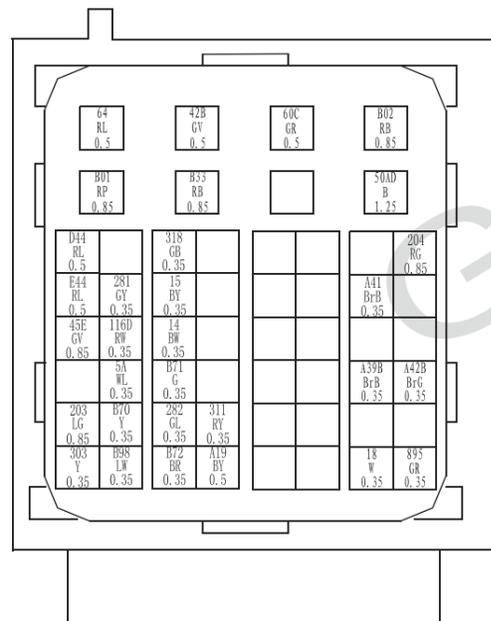
Right Turn Light



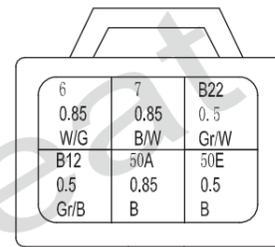
Right Front Fog Lamp



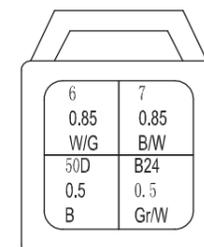
Connecting BCM-A (2010)



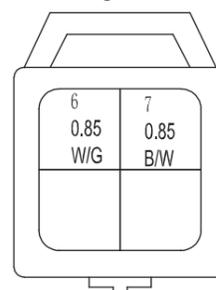
Connecting BCM-A (H3 Shifted to 4G63 Interior Trim)



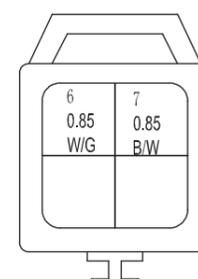
Connecting Left Front Door Locking Mechanism



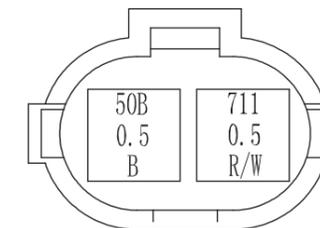
Connecting Right Front Door Locking Mechanism



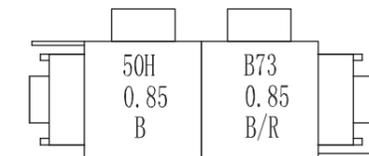
Connecting Left Rear Door Locking Mechanism



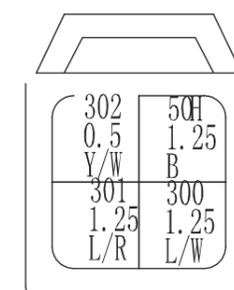
Connecting Right Rear Door Locking Mechanism



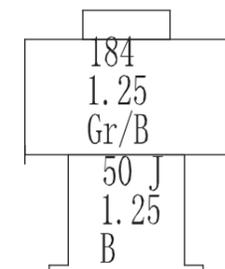
Connecting Back Door Lock State Detection



Connecting Back Door Lock Motor

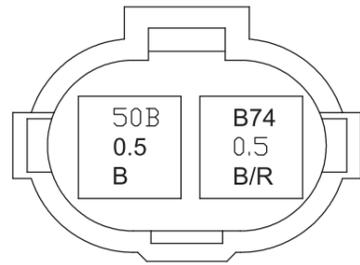


Electronic Control Clutch

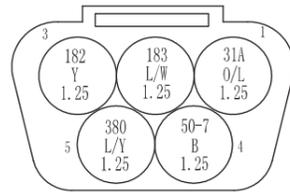


Front Washer Motor

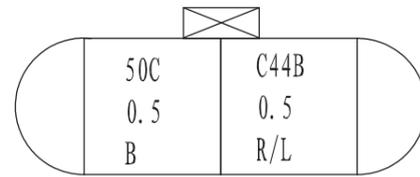
Great Wall



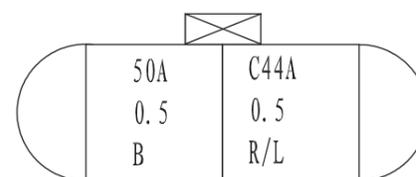
Connecting Back Door Microswitch



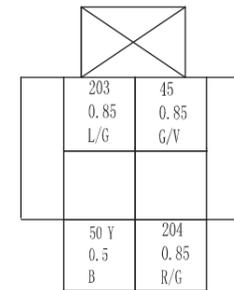
Front Wiper



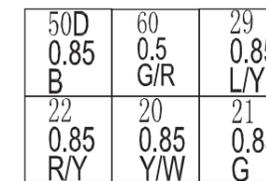
Connecting Left License Plate Lamp



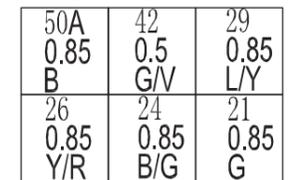
Connecting Right License Plate Lamp



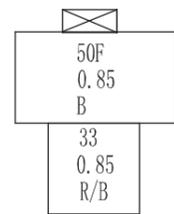
Alarm Switch



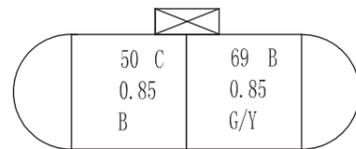
Connecting Electric Rearview Mirror



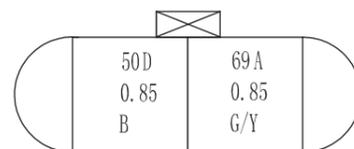
Connecting Electric Rearview Mirror



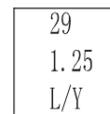
Connecting High Mounted Stop Lamp



Connecting Right Rear Fog Lamp



Connecting Left Rear Fog Lamp



Connecting Rear Defrost Positive Pole



Connecting Rear Defrost Negative Pole



Connecting Rain Sensor

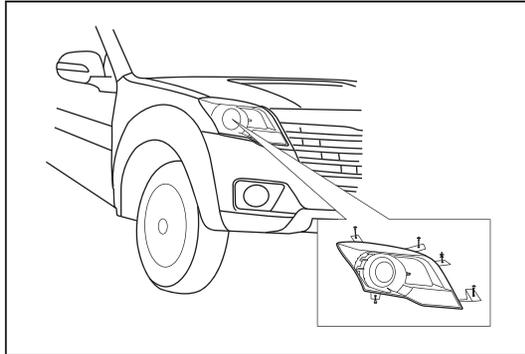
Great Wall

Lighting System (2010)

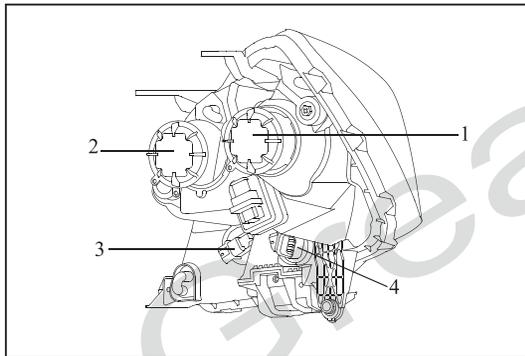
Combination Headlamp Assembly

Replace

1. Separate the wire connectors of the battery negative pole;
2. Remove the front bumper and grill;



3. Unscrew the four bolts securing the combination headlamp, separate the wire connectors of the combination headlamp, and remove the combination headlamp assembly.



4. Remove high-beam (Figure 2) and low-beam (Figure 1) bulbs
 - (a) Rotate the sealing cover counterclockwise;
 - (b) Pull out the plug;
 - (c) Press the circlip securing the bulb, and remove the bulb

5. Remove the front position lamp bulb

- (a) Rotate the sealing cover counterclockwise (Figure 2);
 - (b) Pull the bulb out from the bulb socket.

6. Remove the front turn light bulb

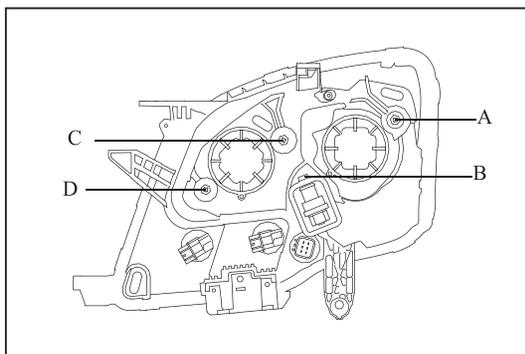
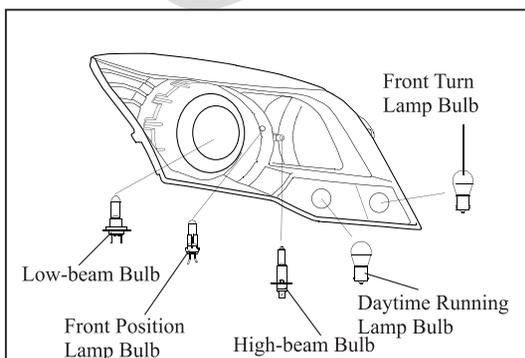
- (a) Rotate front turn light bulb socket counterclockwise (Figure 3);
 - (b) Press the bulb and rotate counterclockwise, to remove it from the bulb socket.

7. Remove the bulb of daytime running lamp

- (a) Rotate daytime running lamp socket counterclockwise (Figure 4);
 - (b) Press the bulb and rotate counterclockwise, to remove it from the bulb socket.

8. Mount the combination headlamp assembly

The mounting order is opposite to the removal order.

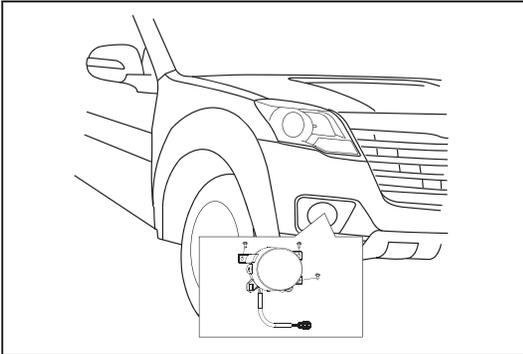


Adjustment

For headlamp aiming adjustment, adjustment of headlamp adjusting screw can help to adjust the headlamp light point.

1. Position A refers to the left-right adjusting screw hole of low beam. Rotate the screw hole clockwise to turn the low beam rightward with a crosshead screwdriver, otherwise, leftward;
2. Position B refers to the up-down adjusting screw hole of low beam. Rotate the screw hole clockwise to turn the low beam downward with a crosshead screwdriver, otherwise, upward;

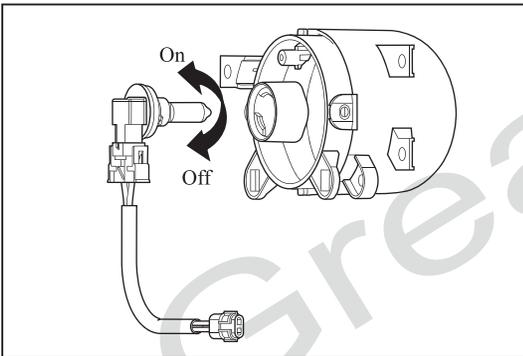
3. Position C refers to the left-right adjusting screw hole of high beam. Rotate the screw hole clockwise to turn the high beam rightward with a crosshead screwdriver, otherwise, leftward;
4. Position D refers to the up-down adjusting screw hole of high beam. Rotate the screw hole clockwise to turn the high beam downward with a crosshead screwdriver, otherwise, upward;



Front fog lamp assembly

Replace

1. Separate the wire connectors of the battery negative pole;
2. Remove the front bumper, and separate the front fog lamp wire connector;
3. Remove the fog lamp decorative cover;
4. Unscrew the three screws securing the front fog lamp, and then remove the front fog lamp from the front bumper;

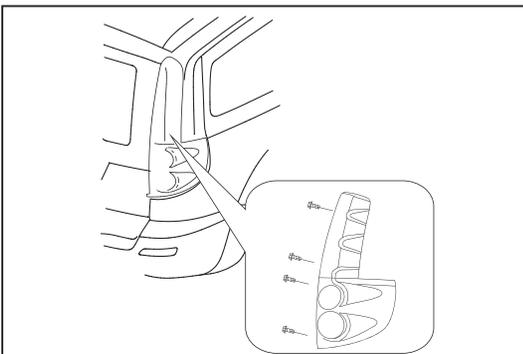


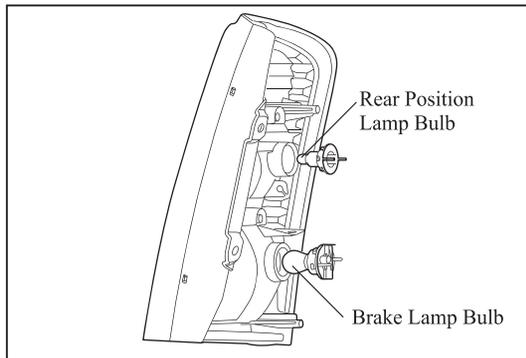
5. Remove the front fog lamp bulb
Rotate the bulb socket counterclockwise, and remove the front fog lamp bulb;
6. Mount the front fog lamp assembly
The mounting order is opposite to the removal order.

Rear Combination Lamp Assembly

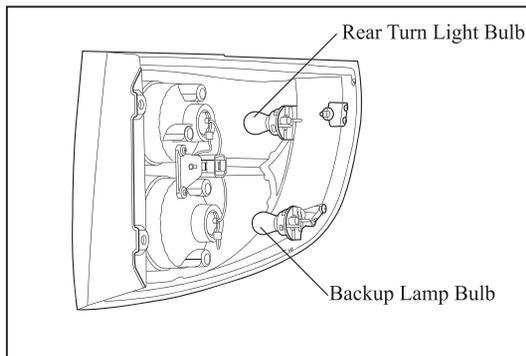
Replace

1. Separate the wire connectors of the battery negative pole;
2. Remove the four retaining bolts, separate the wire connectors of rear combination lamp, and remove the upper and lower rear combination lamp assemblies;





3. Remove bulbs of the rear position lamps, brake lamps, rear turn lights and backup lamps
 - (a) Rotate the bulb socket counterclockwise;
 - (b) Rotate the bulb off from the lamp socket;

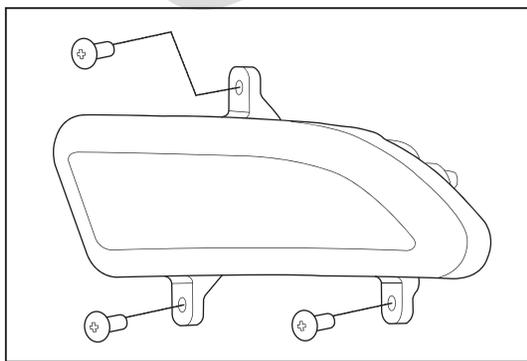


4. Mount the rear combination lamp assembly
The mounting order of rear combination lamp is opposite to the removal order.

Rear fog lamp assembly

Replace

1. Separate the wire connectors of the battery negative pole;
2. Remove the rear bumper, and separate the rear fog lamp wire connector;
3. Unscrew the three screws securing the rear fog lamp, and then remove the rear fog lamp from the rear bumper;



4. Remove the bulb
 - (a) Rotate the bulb socket counterclockwise;
 - (b) Rotate the bulb off from the lamp socket;
5. Mount the rear fog lamp assembly
The mounting order is opposite to the removal order.

Great Wall

Body Electric Apparatus (2010-4D20AT)

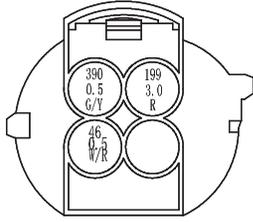
Function Chart for Numbered Pins of Intermediate Connection of Wiring Harness	2
Relationship between Wiring Harnesses and Connector Connection Number Chart	8
BCM.....	9

Great Wall

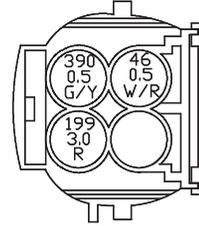


Function Chart for Numbered Pins of Intermediate Connection of Wiring Harness

C01

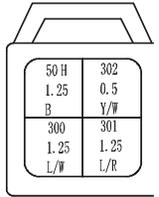


Connecting Power
Supply Wiring Harness 1

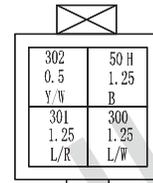


Connecting Engine
Compartment Wiring Harness 1

C02

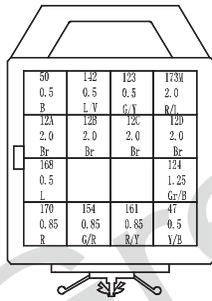


Connecting Power
Supply Wiring Harness B

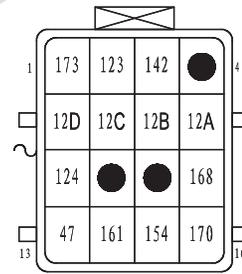


Connecting Engine
Compartment Wiring Harness 2

C03

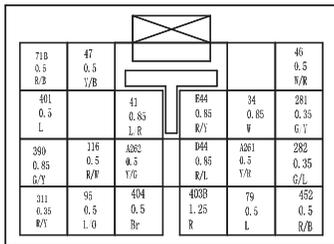


Connecting Engine Wiring Harness 1

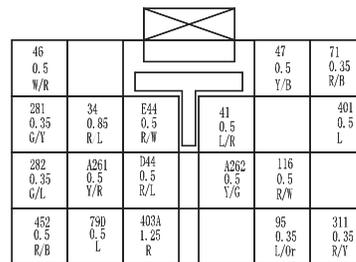


Connecting Engine
Compartment Wiring Harness

C04

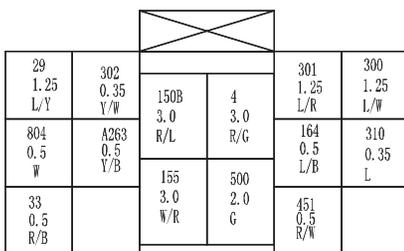


Connecting Instrument Panel
and Console Wiring Harness 4

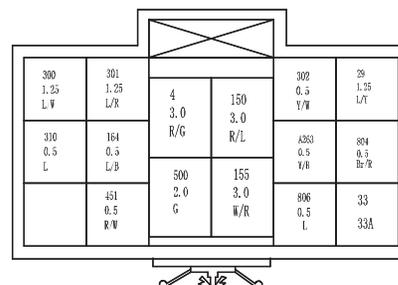


Connecting Engine
Compartment Wiring Harness 4

C05



Connecting Instrument Panel
and Console Wiring Harness 3



Connecting Engine
Compartment Wiring Harness 3

C11

A39B 0.5 L/G	A42B 0.5 Gr/Y	500 2.0 G	38 0.85 Y	B39A 0.35 Br/B
	106 1.25 L/W	37 0.35 Light Green	67 0.35 L/G	B42A 0.35 Br/G
	516 0.5 Y/L	50 2.0 B	33 0.5 R/B	375 0.5 G/B
548 0.5 Y/G	452 0.5 R/B	302 0.5 Y/W	303 0.5 Y	
	45 0.85 G/Y	39 0.5 Br/G		

Connecting Transmission Wiring Harness Assembly

A39D 0.5 Br/B	38 0.85 Y/G	500 2.0 G	A42A 0.5 Br/G	A39A 0.5 Br/B
A42D 0.5 Br/G	67 0.5 L/G		106 1.25 L/W	561 0.5 L/R
	33 0.5 R/B	931	516 0.5 Y/L	
303 0.5 Y	302 0.5 Y/W	2.0	452 0.5 R/B	548 0.5 Y/G
		404 0.5 Br	45 0.85 G/Y	

Connecting Instrument Panel Wiring Harness

C12

50 0.85 B	34 0.5 WB	135 0.85 LW	X	163 0.5 Br/B	504 0.5 WL
777 0.5 Y	390 0.5 GY		183 0.5 LW	895 0.5 GR	A615 0.5 R/W

Connecting Roof Wiring Harness

504 0.5 WL	163 0.5 Br/B		135 0.85 LW	34 0.5 W/B	50 0.85 B
31 0.5 O/L	895 0.5 G/R	183 0.5 L/R		390 0.5 G/Y	777 0.5 Y

Connecting Cockpit Wiring Harness

C13

B12 0.5 Gr/B	7A 0.85 B/W	X	T01 0.5 Br/L	T02 0.5 Br
B22 0.5 Gr/W	6 0.85 W/G	29 0.85 L/Y	504H 0.5 W/L	60A 0.5 G/R
			34C 0.5 W/B	

Connecting Left Front Door Wiring Harness 1

T02 T12	T01 T11	X	7 0.85 B/W	B12 0.5 Gr/B
34 0.5 W/B	60A 0.5 G/R	504 0.5 W/L	29 0.85 L/Y	6 0.85 W/G
				B22 0.5 Gr/w

Connecting Cockpit Wiring Harness 1

C14

260B 2.0 R/G	155 2.0 R/W	X	18 0.85 R/L	50U 2.0 B
12A 0.5 Gr/B	13A 0.5 Gr/R	22 0.85 R/Y	21 21A	20 0.85 Y/W

Connecting Left Front Door Wiring Harness 2

50 2.0 B	18 0.85 R/L	X	155 2.0 R/W	260 2.0 R/G
20 0.85 Y/W	21 0.85 G	22 0.85 R/Y	19 0.5 V	13 0.85 Gr/R
				12 0.85 Gr/B

Connecting Cockpit Wiring Harness 2

C15

69 0.85 G/Y	36 0.5 Y/R	X		
50L 1.25 B	612 0.5 G/V	611 0.5 G/L	D50 1.25 B	610 0.5 G/R
				609 0.5 G/B

Connecting Frame Wiring Harness

		X		
609 0.5 G/B	610 0.5 G/R	D50 0.5 B	611 0.5 G/L	612 0.5 G/V
				50 1.25 B

Connecting Floor Wiring Harness

C16

24 0.85 B/G			7E 0.85 B/W	6E 0.85 W/G
261 2.0 R	18C 0.85 R/L	26 0.85 Y/R	50M 2.0 B	29B 0.85 L/Y

Connecting Right Front Door Wiring Harness 1

6 0.85 W/G	7 0.85 B/W			24 0.85 B/G
29 0.85 L/Y	50 2.0 B	26 0.85 Y/R	18 0.85 R/L	261 2.0 R

Connecting Cockpit Wiring Harness 1

C17

155 2.0 R/W	21A 0.85 G			T41 0.5 Br/R	12 0.5 Gr/B
42 0.5 G/V	T42 0.5 Br/W	504G 0.5 W/L	B24 0.5 Gr/W	34 0.5 W/B	13 0.5 Gr/R

Connecting Right Front Door Wiring Harness 2

12 0.5 Gr/B	T41 T41A			21 0.85 G	155 2.0 R/W
13 0.5 Gr/R	34 0.5 W/B	B24 0.5 Gr/W	504 0.5 W/L		42 0.5 G/V

Connecting Cockpit Wiring Harness 2

C18

		261A 2.0 R
6B 0.85 W/G	50N 2.0 B	7B 0.85 B/W

Connecting Right Rear Door Wiring Harness 1

261 2.0 R		
7 0.85 B/W	50 2.0 B	6 0.85 W/G

Connecting Floor Wiring Harness 1

C19

T31 0.5 Br/Y			504 0.5 W/L
T32 0.5 Br/Gr	34 0.5 W/B		18A 0.85 R/L

Connecting Right Rear Door Wiring Harness 2

504 0.5 V/L			T31 T31A
18 0.85 R/L		34 0.5 W	T32 T32A

Connecting Floor Wiring Harness 2

C20

6C 0.85 W/G			50B 2.0 B	260A 2.0 R/G
T51 0.5 Br/G	T52 0.5 Br/B	7C 0.85 B/W	34 0.5 W	504 0.5 V/L
				18B 0.85 R/L

Connecting Left Rear Door Wiring Harness

260 2.0 R/G	50 2.0 B				6 0.85 W/G
18 0.85 R/L	504 0.5 V/L	34 0.5 W	7 0.85 B/W	T52 T52A	T51 T51A

Connecting Floor Wiring Harness



29A 1.25 L/Y	30 0.85 Y/L	X		C44 0.5 R/L
B73 0.5 B/R	B74 0.5 B/R	8 0.85 O/G	50H 1.25 B	T50 0.5 B

Connecting Back Door
Transition Wiring Harness 2

C44 0.5 R/L	X		30 0.85 Y/L	29 1.25 L/Y
T50 0.5 B	50 1.25 B	8 0.85 O/G	B74 0.5 B/R	B73 0.85 B/R

Connecting Cockpit
Wiring Harness



33C 0.85 R/B	X			
711 0.5 W/G	32 0.85 O	34F 0.5 W/B	37 0.85 G	

Connecting Back Door
Transition Wiring Harness 1

		X		33 0.85 R/B
	37 0.5 G	34 0.5 W	32 0.85 O/G	711 711A

Connecting Cockpit
Wiring Harness 1



30 0.85 Y/L	X		29 1.25 L/Y
50 1.25 B	8 0.85 O/G	B74 0.5 B/R	B73 0.85 B/R

Connecting Back
Door Wiring Harness 1

29 1.25 L/Y	X		30 0.85 Y/L
B73 0.85 B/R	B74 0.5 B/R	8 0.85 O/G	50 1.25 B

Connecting Back Door
Transition Wiring Harness 1



C44 0.5 R/L	X		37 0.5 G	33 0.85 R/B
T50 0.5 B		711 0.5 R/W	32 0.85 O/G	

Connecting Back Door Wiring Harness 2

33 0.85 R/B	37 0.5 G/W	X		C44 0.5 R/L
	32 0.85 O	711 0.5 R/W		T50 0.5 B

Connecting Back Door
Transition Wiring Harness 2



X	
50 0.85 B	37 0.85 G/W

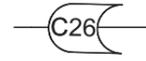
Connecting Reversing
Radar Transition Wiring Harness

X	
37 0.85 G/W	50 0.85 B

Connecting Cockpit
Wiring Harness

881	882
0.5	0.5
Y/R	Y/L
885	50
0.5	0.85
Y/B	B

Connecting Reversing Radar Wiring Harness 1



882	881
0.5	0.5
Y/L	Y/R
50	885
0.85	0.5
B	Y/B

Connecting Transition Wiring Harness 1



883	884
0.5	0.5
G/R	G/L

Connecting Reversing Radar Wiring Harness 2

884	883
0.5	0.5
G/L	G/R

Connecting Transition Wiring Harness 2



166	168	315D
2.0	2.0	2.0
G	B/L	Br
50D	45	
2.0	0.5	
B	G/V	

Connecting Seat Heating Wiring Harness

315D	168	166
2.0	2.0	2.0
Br	B/L	G
	45	50D
	0.5	2.0
	G/V	B

Connecting Cockpit Wiring Harness



50C	C44B	B74
0.5	0.5	0.5
B	R/L	B/R

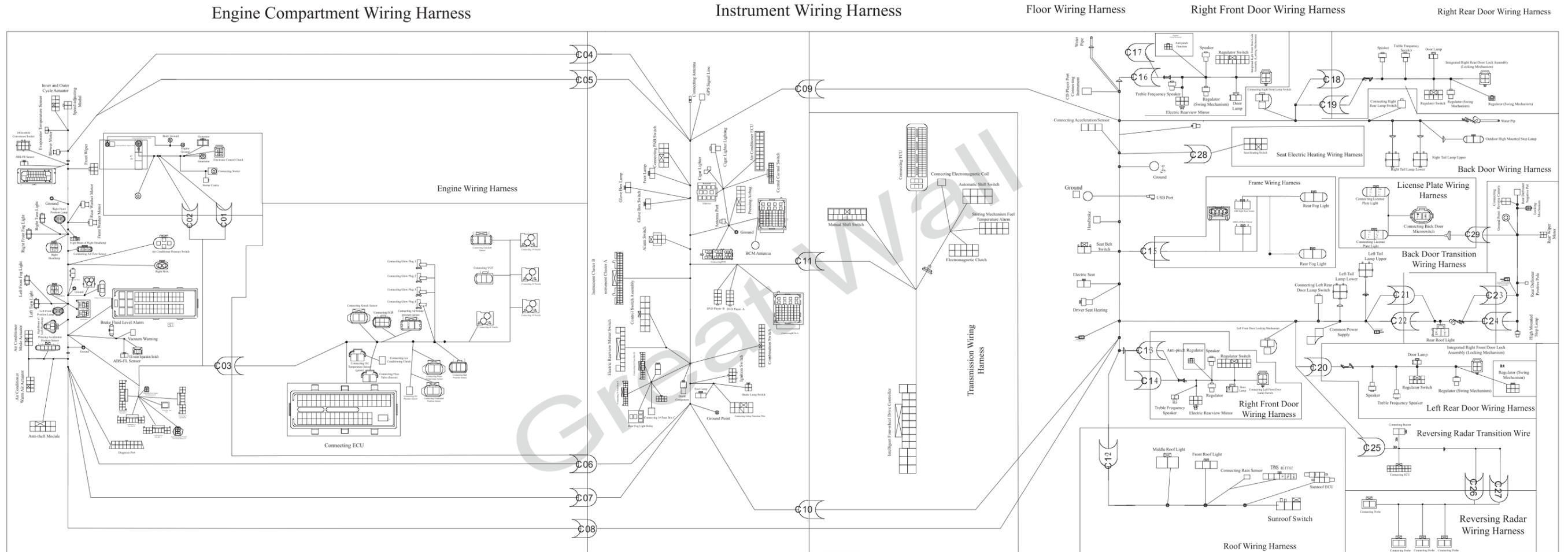
Connecting License Plate Wiring Harness

B74	C44	50
0.5	0.5	0.5
B/R	R/L	B

Connecting Back Door Wiring Harness

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Relationship between Wiring Harnesses and Connector Connection Number Chart



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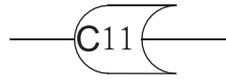
Body Electric Apparatus (2011)

Function Chart for Numbered Pins of Intermediate	
Connection of Wiring Harness	2
Air Conditioner.....	4
Electrical Diagram of Folding Rearview Mirror	5
Folding Rearview Mirror	6

Great Wall



Function Chart for Numbered Pins of Intermediate Connection of Wiring Harness [4G69 Engine (on the basis of the left hand drive of body electric apparatus K5-4G69)]



	27	0.5	Y/R	711	0.35	W/G
	23	0.5	Y	C44	0.5	R/L
	504D	0.5	W/L	B12	0.35	Gr/B
	162	0.35	B/Y	B74	0.35	B/R
	B5	0.35	R/L	34B	0.5	W
	B22	0.35	Gr/L	36	0.5	Y/R
	C5	0.35	W/L	B73	0.5	B/R
	B24	0.35	Gr/W			

260B	8	30	18
2.0	0.85	0.85	0.35
R/G	O/G	Y/L	W
	26	33	163
	0.85	0.85	1.25
	Y/R	R/B	L/R
155	32	20	
3.0	0.85	0.85	
W/R	0	Y/W	
	60B	22	
	0.85	0.85	
	G/R	R/Y	
	21	24	B33
	0.85	0.85	0.85
	G	B/G	R/B

				260B	8	30	18
				2.0	0.85	0.85	0.85
				R/G	O/G	Y/L	R/L
					26	33	163
					0.85	0.85	1.25
					Y/R	R/B	L/R
				155	32	20	
				3.0	0.85	0.85	
				R/W	0	Y/W	
					60B	22	
					0.85	0.85	
					G/R	R/Y	
					21	24	B33
					0.85	0.85	0.85
					G	B/G	R/B

Connecting Cockpit Wiring Harness 1A
(connecting floor wiring harness 1A)

Connecting Cockpit Wiring Harness 1B
(connecting floor wiring harness 1B)

Connecting Instrument Wiring Harness 1A

Connecting Instrument Wiring Harness 1B

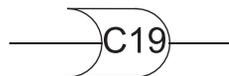


23	24		7E	6E	
0.5	0.85		0.85	0.85	
Y	B/G		B/W	W/G	
27	261	18C	26	50M	29B
0.5	2.0	0.85	0.85	2.0	0.85
Y/R	R	R/L	Y/R	B	L/Y

Connecting Right Front Door Wiring Harness 1

6	7		24	23	
0.85	0.85		0.85	0.5	
W/G	B/W		B/G	Y	
29	50	26	18	261	27
0.85	2.0	0.85	0.85	2.0	0.5
L/Y	B	Y/R	R/L	R	Y/R

Connecting Cockpit Wiring Harness 1



⌀90 mm * 30 mm * 5 mm

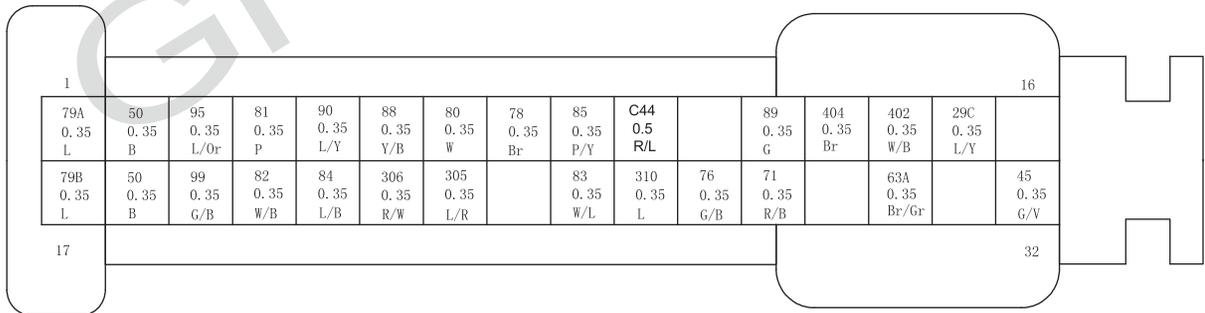
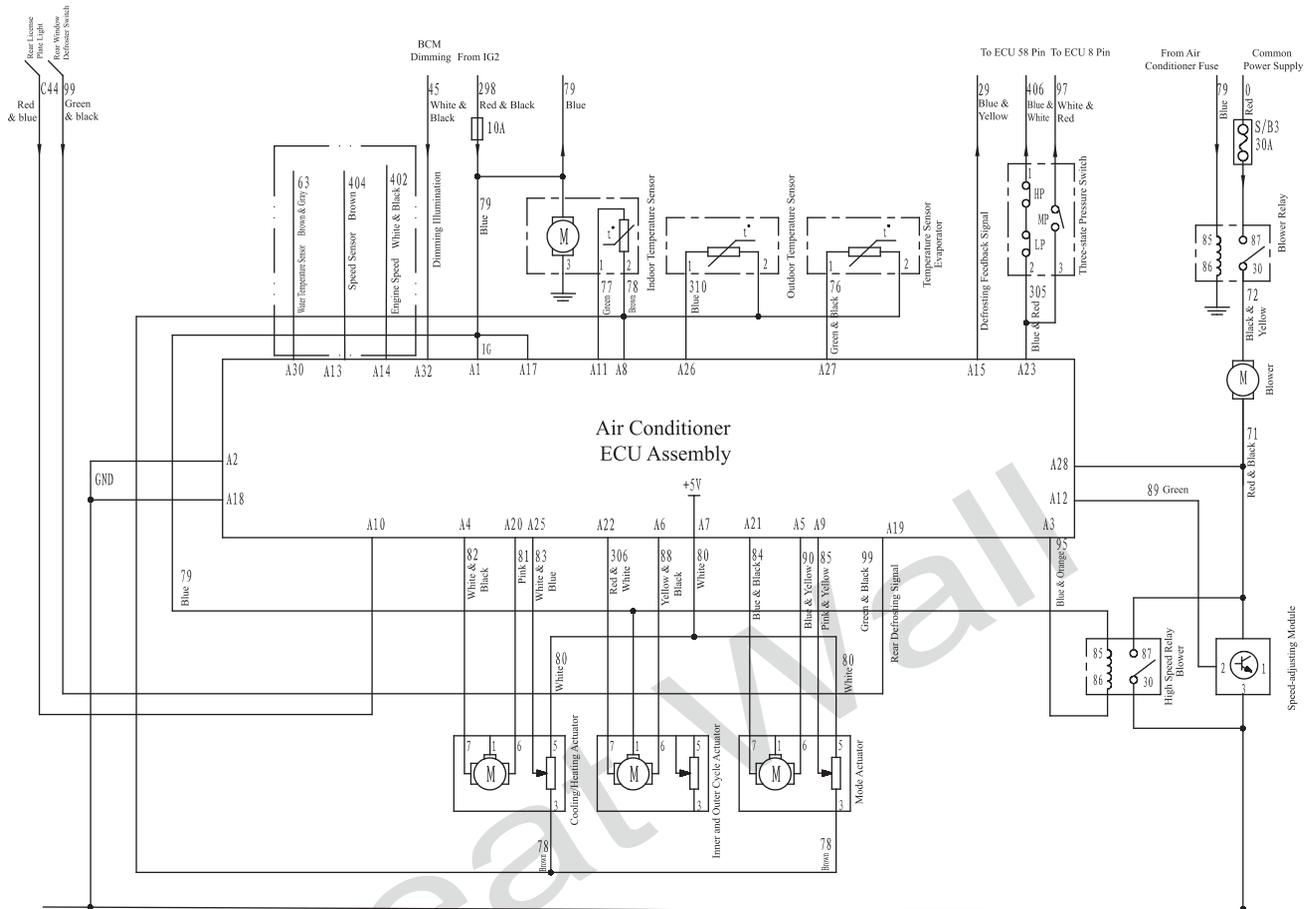
260B	155		18	50U	23
2.0	2.0		0.85	2.0	0.5
R/G	R/W		R/L	B	Y
12A	13A		21	20	27
0.5	0.5		0.85	0.85	0.5
Gr/B	Gr/R		R/Y	Y/W	Y/R

Connecting Left Front Door Wiring Harness 2

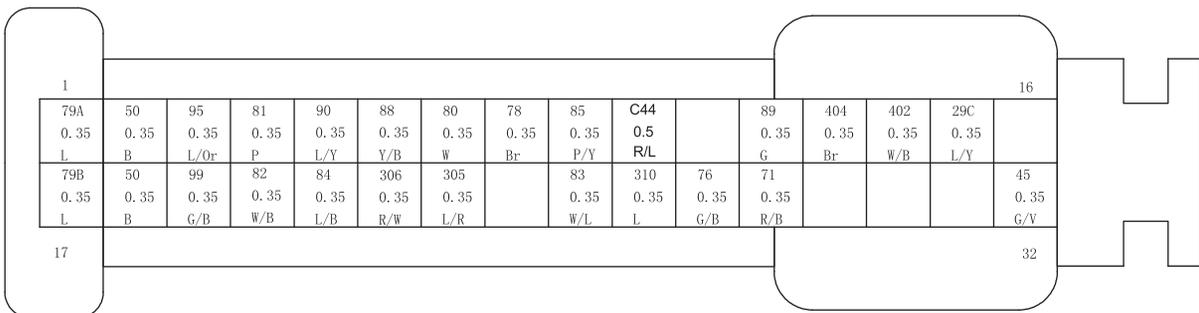
23	50	18		155	260
0.5	2.0	0.85		2.0	2.0
Y	B	R/L		R/W	R/G
27	20	21	22	19	13
0.5	0.85	0.85	0.85	0.5	0.85
Y/R	Y/W	G	R/Y	V	Gr/R
					12
					0.85
					Gr/B

Connecting Cockpit Wiring Harness 2

Air Conditioner



Air Conditioner ECU Assembly (4G69 Engine)



Air Conditioner ECU Assembly (4D20 Engine)

Folding Rearview Mirror

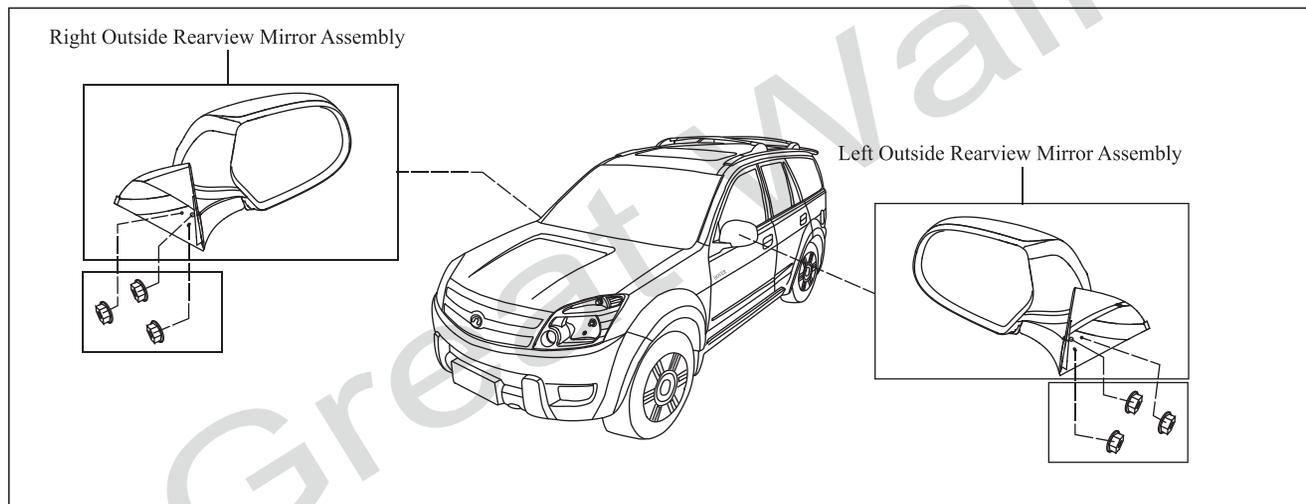
Fault Symptom Table

Tips:

Fault causes can be determined through the table below. In the "Suspicious Position" column of this table, fault causes are listed on the basis of degree of possibility. It is possible to check all symptoms by inspecting the suspicious positions in the listed order. Replace components when necessary.

Symptom	Suspicious Position
Rearview mirrors do not work	Fuse
	Outside Rearview Mirror Switch Assembly
	Outside Rearview Mirror Assembly
	Wiring Harness
Rearview mirror works abnormally	Outside Rearview Mirror Switch Assembly
	Outside Rearview Mirror Assembly
	Wiring Harness

Element Diagram



Removal of Rearview Mirror Assembly

1. Insert the clip driver into the clearance between the retaining clip and the outside rearview mirror triangle, and pry and loosen it.
 Note: before using the clip driver, its head must be wrapped by tape.
2. Remove the outside rearview mirror triangle.
3. Remove the three self scrap removal hexagon flange nuts, and disconnect the electric heating defrost connector.
4. Remove the outside rearview mirror

Mounting of Rearview Mirror Assembly

The mounting order is opposite to the removal order.

Air conditioning System (K5-4G63-4G69-2.5TCI LHD)

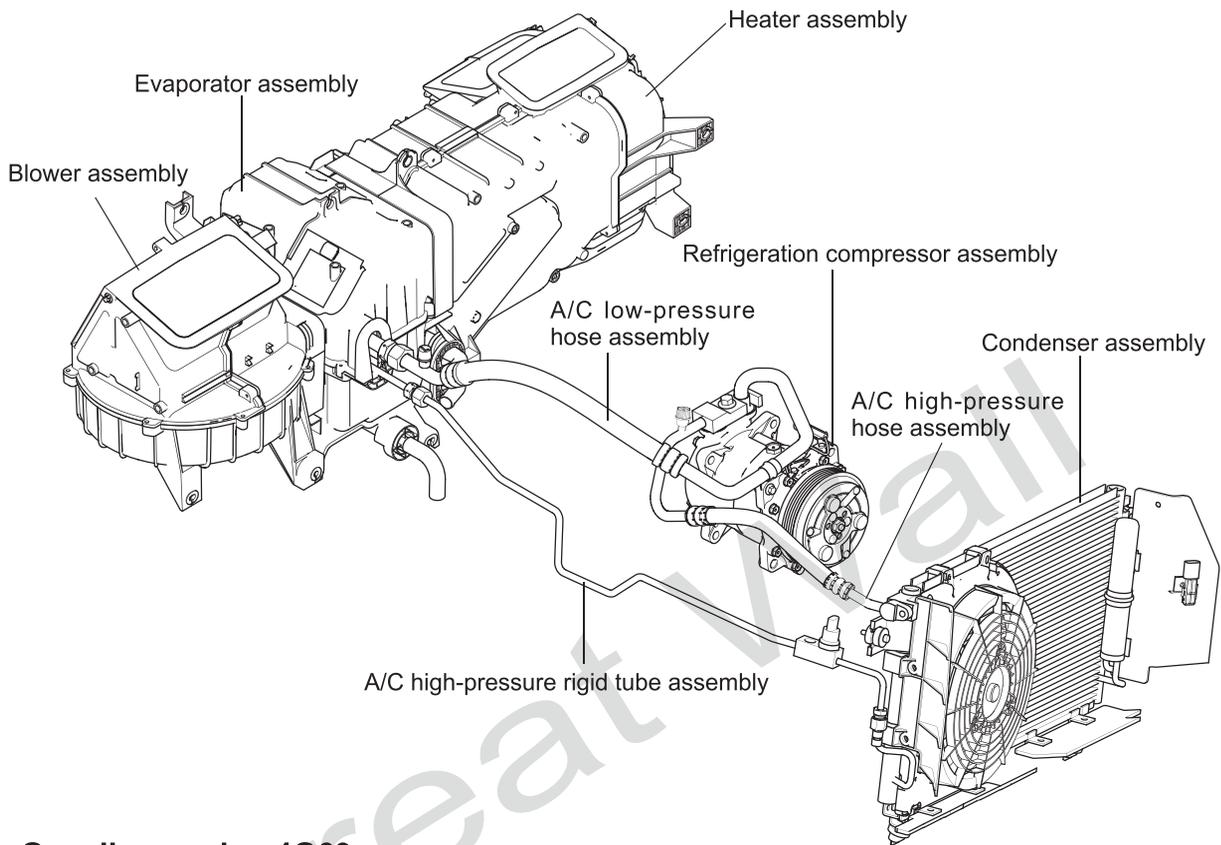
Part Drawing of Air-conditioning System (A/C).....	2
A/C control system structure	3
Instructions to A/C system keys (See Fig. A)	3
A/C controller plug and socket and definitions (Fig. A)	3
System trouble diagnosis procedures (Fig. A)	4
Port definition (Fig. B)	6
Self-checking process (Fig. B)	7
Diagnostic trouble code (DTC) display (Fig. B)	7
Diagnostic trouble code (Fig. B)	7

Great Wall

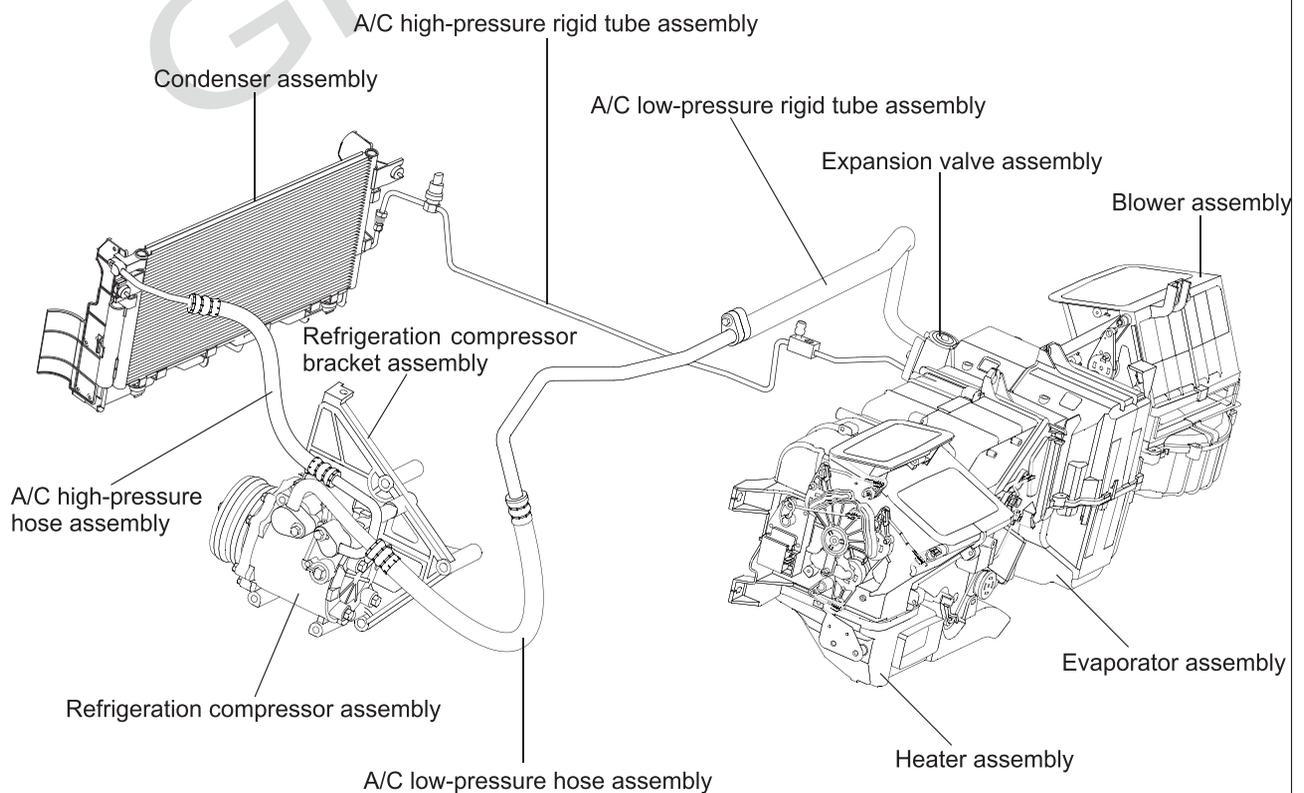


Part Drawing of Air-conditioning System (A/C)

Diesel engine 2.5TCI

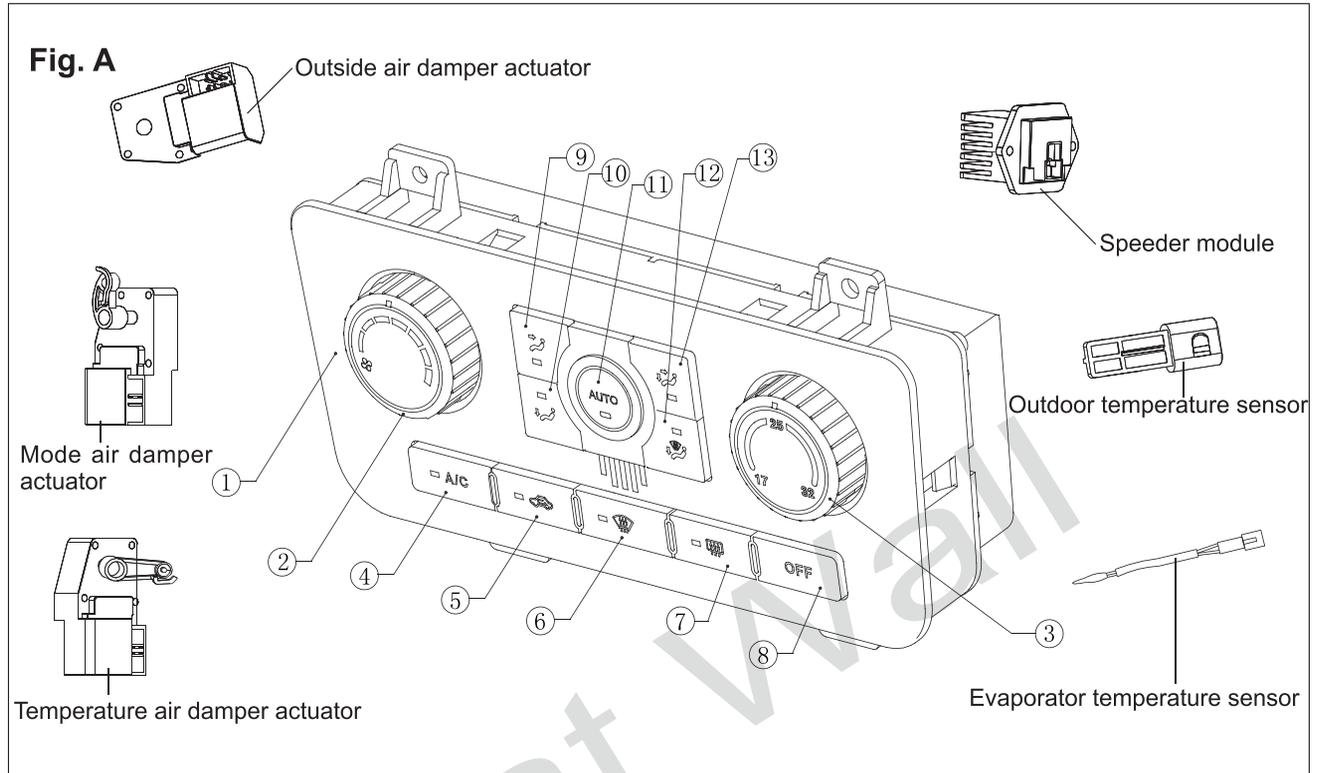


Gasoline engine 4G69



A/C control system structure

The A/C control system is mainly comprised of A/C control unit, sensor and actuator element. Wherein, indoor temperature sensor and A/C control unit are integrated onto A/C control panel.



SN	Name	SN	Name
1	Controller panel	8	OFF key
2	Air speed adjusting knob	9	Face blowing key
3	Temperature adjusting knob	10	Foot blowing key
4	AC key	11	AUTO key
5	Circulation key	12	Foot blowing and defrost key
6	Defrost key	13	Face and foot blowing key
7	Rear defrost key		

Instructions to A/C system keys (See Fig. A)

Air speed key and temperature control key of K109 are realized in the form of adjusting knob. However, K1 is configured with feather-touch function keys. Accordingly, they are differently handled.

1. Air speed adjusting knob

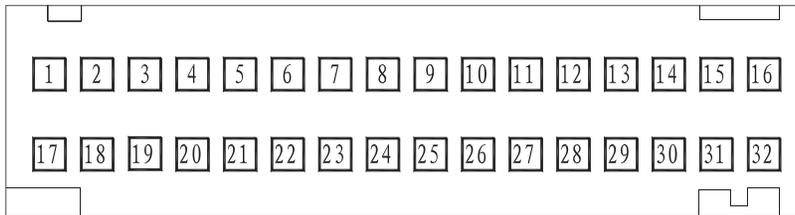
Under electrical control, the highest air speed is still kept after A/C is restarted next time upon power failure or enabled OFF key as A/C is at its highest air speed. However, the air speed is switched when the air volume increases to the max. volume. Under AUTO mode, the air speed is still under automatic control.

2. Temperature adjusting knob

Under modes of COOL (17°C) or HOT (32°C), exit automatic control before these modes prevail. Under the mode of COOL or HOT, AUTO key is unavailable. AUTO is accessible only after exiting the state of max. cooling capacity or max. warming capacity.

A/C controller plug and socket and definitions (Fig. A)

Model of plug and socket: AMP C-966658-1 (Green)



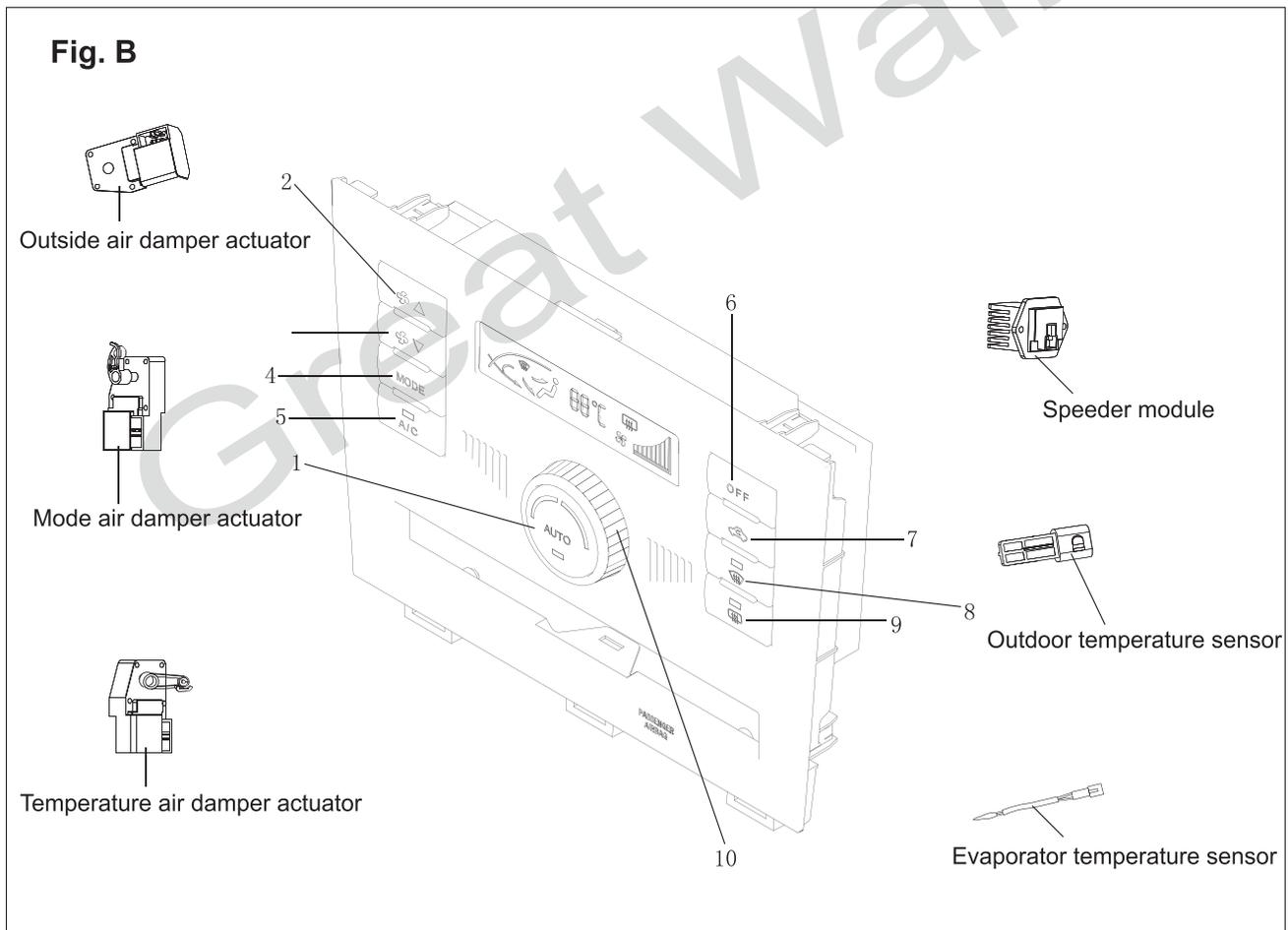
Definitions of plug and socket (Fig. A)

SN	Port	Signal	Voltage	Current	Remarks
1	A1	IG2	12V	<500mA	
2	A2	GND	0V	<500mA	
3	A3	HS	0V/12V	<150mA	High-speed relay drive (available upon low value)
4	A4	T+	0V/12V	120mA	Temperature actuator positive drive
5	A5	M+	0V/12V	120mA	Mode actuator positive drive
6	A6	I+	0V/12V	120mA	Circulation actuator positive drive
7	A7	+5V	+5V	10mA	+5V
8	A8	SGND	0V	12mA	Simulating earth signal
9	A9	M F/B	0V-5V	5mA	Mode actuator feedback signal
10	A10				
11	A11	Incar	0V-5V	2mA	Indoor temperature sensor signal
12	A12	TB	0V-12V	4mA	Fan speed regulating drive signal
13	A13	Vehicle Speed	0V/12V	2mA	Vehicle speed signal
14	A14	Engine Speed	0V/12V	2mA	Engine speed signal
15	A15	BCM F/B	0V/12V	2mA	Rear defrost feedback signal
16	A16				
17	A17	IG2	12V	<500mA	
18	A18	GND	0V	<500mA	
19	A19	Rear Defrost	0V/12V	<150mA	Rear defrost signal (available as low PWL is kept for 100ms)
20	A20	T-	0V/12V	120mA	Temperature actuator negative drive
21	A21	M-	0V/12V	120mA	Mode actuator negative drive
22	A22	I-	0V/12V	120mA	Circulation actuator negative drive
23	A23	A/C Req.	0V/12V	<700mA	Compressor request signal (available upon high value)
24	A24	Electrical Heating	0V/12V	<150mA	Electrical heating relay driver (available upon low value)
25	A25	T F/B	0V-5V	5mA	Temperature actuator feedback signal
26	A26	Amb	0V-5V	2mA	Ambient sensor signal
27	A27	Evap	0V-5V	2mA	Evaporation sensor signal
28	A28	TC	0V-12V	1mA	Fan voltage feedback
29	A29	EHD	0V/12V	1mA	Electrical heating detection
30	A30	Water Temp.	0V-12V	2mA	Water temperature sensor signal
31	A31	Fuel Heating	0V/12V	2mA	Fuel heating signal
32	A32	Lamp	0V/12V	60mA	Background light signal (PWM input)

System trouble diagnosis procedures (Fig. A)

1. Press AC key and circulation key synchronously and enter into failure detection state after 2s.
2. Observe whether mode VENT, mode BL, mode FOOT, mode MIX, AUTO, defrost, back window heating and other indicator lamps flash to judge failures. Under normal operating conditions, these indicator lamps will not flash. Otherwise, the system encounters failures.
3. Press “OFF” to exit the failure detection mode and return to the state before failure detection.
4. Procedures of failure detection are listed in the table below.

Failure detection point	Corresponding failure indicator lamp	Normal display	Failure display	Failure removal
Mode actuator	Face blowing indicator lamp	Nothing displayed	Flash	
Temperature actuator	Face and foot blowing indicator lamp	Nothing displayed	Flash	
Indoor temperature sensor	Foot blowing indicator lamp	Nothing displayed	Flash	Tinc=25°C
Ambient temperature sensor	Foot blowing and defrost indicator lamp	Nothing displayed	Flash	Tamb=20°C
Evaporation temperature sensor	Automatic control indicator lamp	Nothing displayed	Flash	Tevap=2°C
Water temperature sensor	Front defrost indicator lamp	Nothing displayed	Flash	Twat=90°C
Electrical heating sensor	Rear defrost indicator lamp	Nothing displayed	Flash	



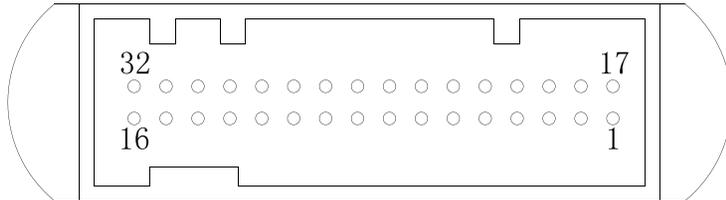
SN	Name	SN	Name
1	AUTO key	6	OFF key
2	Air volume increase key	7	Air circulation key
3	Air volume decrease key	8	Front defrost key
4	Mode key	9	Rear defrost key
5	A/C key	10	Temperature adjusting knob

Port definition (Fig. B)

Sheath model: AMP 966658-1 (Green)

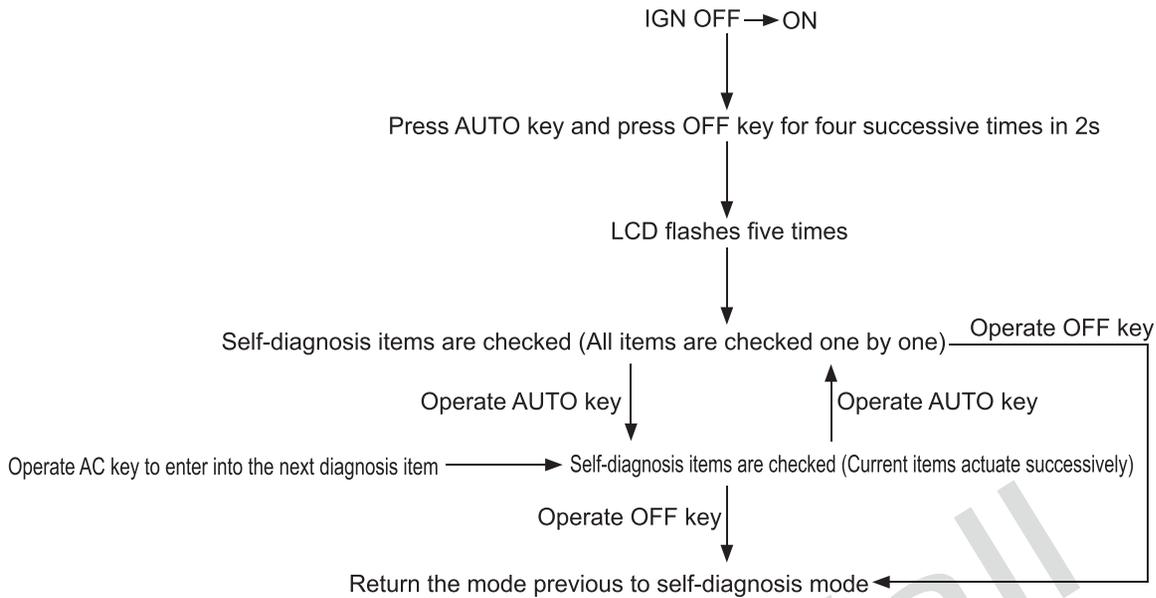
Engaging sheath model: AMP 1534222-1 and AMP 1420000-1

Model of engaging plug and socket: AMP 928999-1



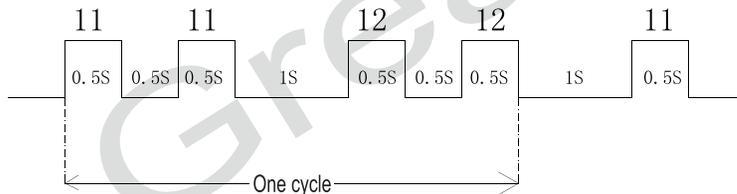
Port	Definition	Remarks
A1	Ignition power source +12V	9-16V
A2	Power ground	
A3	High-speed relay control signal	Rated current < 150mA
A4	Temperature actuator positive drive signal	Rated current 120mA and max. locking current 500mA
A5	Mode actuator positive drive signal	Rated current 120mA and max. locking current 500mA
A6	Circulation actuator positive drive signal	Rated current 120mA and max. locking current 500mA
A7	+5V	4.75-5.25V
A8	Simulating earth signal	
A9	Mode actuator feedback signal	0-5V
A10	Null	
	Display screen background light brightness attenuation signal (available upon high value)	2mA
A11	Indoor temperature sensor signal	2mA
A12	Blower speed regulating drive signal	4mA
A13	Vehicle speed signal	0/12V
A14	Engine speed signal	0/12V
A15	Rear defrost feedback signal	0/12V
A16	Null	
A17	Ignition power source +12V	9-16V
A18	Power ground	
A19	Rear defrost signal	Low-level pulse signal (available after it is kept for 40mS)
A20	Temperature actuator negative drive	Rated current 120mA and max. locking current 500mA
A21	Mode actuator negative drive	Rated current 120mA and max. locking current 500mA
A22	Circulation actuator negative drive	Rated current 120mA and max. locking current 500mA
A23	Compressor request signal	Rated current < 700mA
	Compressor request signal	Rated current < 150mA
A24	Electrical heating relay drive signal	Rated current < 150mA
A25	Temperature actuator feedback signal	0-5V
A26	Ambient sensor signal	2mA
A27	Evaporation sensor signal	2mA
A28	Blower voltage feedback	0-12V
A29	Electrical heating detection	0/12V
A30	Water temperature sensor signal	0-5V
A31	Fuel heating signal	0/12V
A32	Background light power source	PWM input

Self-checking process (Fig. B)



Diagnostic trouble code (DTC) display (Fig. B)

As for data display, two numbers to indicate set temperature are defined. Upon a trouble, related code is displayed. If no trouble, 00 is displayed. The data will be displayed every 0.5s. The display duration is 0.5s. Time interval of a trouble is 1s. Every DTC is displayed twice. For example, as trouble 1 and 2 occurs, the display is shown in the Figure below.



Diagnostic trouble code (Fig. B)

SN	DTC	Description	Basis of judging the trouble
1	00	Normal	
2	11	Indoor sensor encounters short circuit or open circuit	Detected voltage is 0V or 5V
3	12	Outdoor sensor encounters short circuit or open circuit	Detected voltage is 0V or 5V
4	13	Evaporation sensor encounters short circuit or open circuit	Detected voltage is 0V or 5V
6	15	Mode motor feedback terminal encounters short circuit or open circuit	Mode motor feedback voltage is 0V or 5V
7	16	Mode motor encounters unfavorable drive	Mode damper motor is restricted
8	17	Cooling and warming motor feedback terminal encounters short circuit or open circuit	Feedback voltage of cooling and warming motor is 0V or 5V
9	18	Cooling and warming motor encounters unfavorable drive	Cooling and warming motor is restricted

Great Wall