

SWITCH

6810-01/7410-26/7770-20/8510-01/8510-07/8510-08/8510-15/
8510-17/8520-01/8520-05/8520-07/8520-10/8520-16/8530-01/
8530-02/8530-11/8610-06/8610-35/

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SWITCH**0000-00****GENERAL INFORMATION****1. SPECIFICATIONS****► Power window main switch**

Item			Specifications
Power window main switch	Rated voltage		12 V
	Operating voltage		9 to 16 V
	Operating temperature		-30°C to +80°C
	Rated load	AUTO switch	Check contact
		Manual switch	10 A (motor load)
		Window LOCK switch	10 A (motor load)
		Door UNLOCK switch	Check contact

► Outside rearview mirror switch

Item			Specifications
Outside rearview mirror switch	Rated voltage		12 V
	Operating voltage		9 to 16 V
	Operating temperature		-30°C to +80°C
	Rated load	Outside rearview mirror switch	0.2 A (motor load)

► Power window sub switch

Item			Specifications
Power window sub switch	Rated voltage		12 V
	Operating voltage		9 to 16 V
	Operating temperature		-30°C to +80°C
	Rated load	Manual switch	10 A (motor load)

Modification basis	
Application basis	
Reference VIN	

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► Multifunction switch

Item				Specifications
Rated voltage				12 V
Operating temperature				-30°C to +80°C
Multifunction light switch	Rated load	Light switch		0.2 A (BCM)
		AUTO light switch		0.2 A (BCM)
		Dimmer and passing switch	Up	0.2 A (relay load)
			Down	0.2 A (relay load)
			Passing	0.2 A (BCM)
		Turn signal lamp switch		0.2 A (BCM)
		Fog lamp switch		0.2 A (relay load)
Multifunction wiper switch	Rated load	Wiper switch	AUTO	0.2 A (BCM)
			LO	0.2 A (BCM)
			HI	0.2 A (BCM)
		AUTO wiper and washer switch		5 mA (BCM)
		Front washer switch		0.2 A (BCM)
		Rear washer switch		0.2 A (BCM)
		INT		Max. 25 mA
		Rear wiper	LO	0.2 A (BCM)
			HI	0.2 A (BCM)

► Center fascia switch

Item			Specifications
Center fascia switch	Rated voltage		12 V at 50 mA
	Operating temperature		-30°C to +80°C
	Rated load	Rear glass/outside rearview mirror heating switch	12 V ~ 50 mA
		TRIP/RESET switch	
		Hazard warning lamp switch	
		Smart steer switch	

► Lower main switch

Item			Specifications
Rated voltage			12 V at 50 mA
Operating temperature			-30°C to +80°C
Lower main switch	Rated load	E-W-P switch	12 V ~ 50 mA
		ESP OFF switch	
		4WD LOCK switch	
		Steering wheel warmer switch	
		PAS OFF switch	
		Headlamp leveling switch	

► START/STOP switch

Item		Specifications
START/STOP switch	Rated voltage	12 V
	Operating voltage	9 to 16 V
	Operating temperature	-30°C to +80°C

► Tailgate switch

Item		Specifications
Tailgate open switch	Rated voltage	12 V at 60 mA or lower
	Operating temperature	-30°C to +80°C

► PAB OFF switch

Item			Specifications
PAB OFF switch	Rated voltage		12V
	Rated current		0.1A
	Switch operating force	Push	0.7±0.25Kgf
		Rotary	MAX 3.0Kgf

Modification basis	
Application basis	
Approval basis	

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► Steering wheel switch

Item		Specifications	
Rated voltage		DC 5 V at 0.1 A	
Rated load		DC 5 V at 0.1 A	
Operating temperature		-30°C to +80°C	
Item		Resistance	Operating voltage
Audio remote control switch	Volume down	196 $\Omega \pm 1\%$	0 to 0.4 V
	Volume up	1.02 K $\Omega \pm 1\%$	0.7 to 1.1 V
	Mode	2.21 K $\Omega \pm 1\%$	1.4 to 1.8 V
	Mute	34.8 K $\Omega \pm 1\%$	4.2 to 4.6 V
	SEEK up	4.02 K $\Omega \pm 1\%$	2.1 to 2.5 V
	SEEK down	6.98 k $\Omega \pm 1\%$	2.8 to 3.2 V
	Bluetooth (hands-free) - ON	13.3 K $\Omega \pm 1\%$	3.5 to 3.9 V
	Bluetooth (hands-free) - OFF	34.8 K $\Omega \pm 1\%$	4.2 to 4.6 V
Cruise control switch G16DF (D16DTF)	ON/OFF	75 $\Omega \pm 1\%$	0.15 to 0.55 V
	CANCEL (RESUME)	1.2 K $\Omega \pm 1\%$	2.52 to 2.92 V
	SET+	560 $\Omega \pm 1\%$	1.6 to 2.0 V
	RES- (SET-)	220 $\Omega \pm 1\%$	0.7 to 1.1 V

► Front seat heater and ventilation switch

Item		Specifications	
Front seat heater and ventilation switch	Rated voltage		DC 12 V
	Operating temperature		-40°C to +80°C
	Rated load	Driver's seat heater switch	Max. 150 mA
		Driver's seat ventilation switch	Max. 150 mA
		Passenger's seat heater switch	Max. 150 mA

► Rear seat heater switch

Item		Specifications	
Rear seat heater switch	Rated voltage		12 V
	Operating voltage		9 to 16 V
	Operating temperature		-30°C to +80°C
	Rated load		4 to 6 A (unit load)

OVERVIEW AND OPERATING PROCESS

1. OVERVIEW

The switch system allows the driver to drive the vehicle safely and comfortably by operating the switches properly according to the driving conditions. The switch system is divided into following parts depending on the mounting location.

1. Door panel switch (driver)
2. Door panel switch (passenger)
3. Door panel switch (rear)
4. IP panel switch
5. Steering wheel switch
6. Front console switch
7. Trunk switch
8. Headlining switch

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



FUSE

BCM

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INSTRUMENT

SWITCH

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MP3 AUDIO

LCD AUDIO

ISG SYSTEM

Modification basis	
Application basis	
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SWITCH

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2. COMPONENTS

Audio remote control switch



START/STOP switch



Horn switch



Cruise control switch



Multifunction switch



Lower main switch



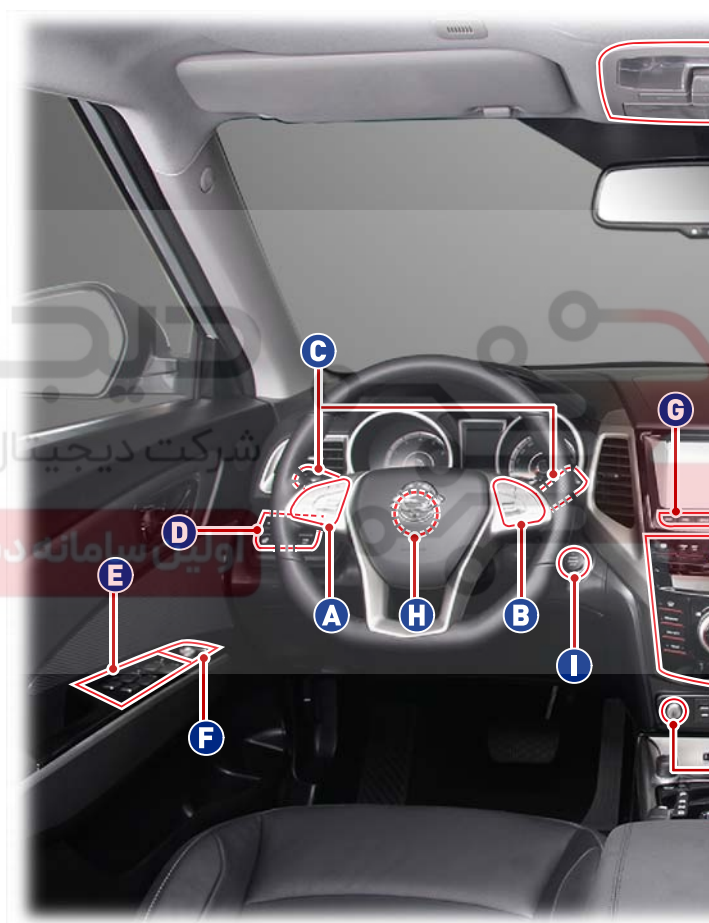
Driver's door main switch

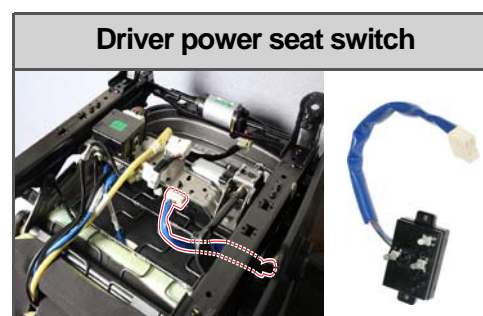
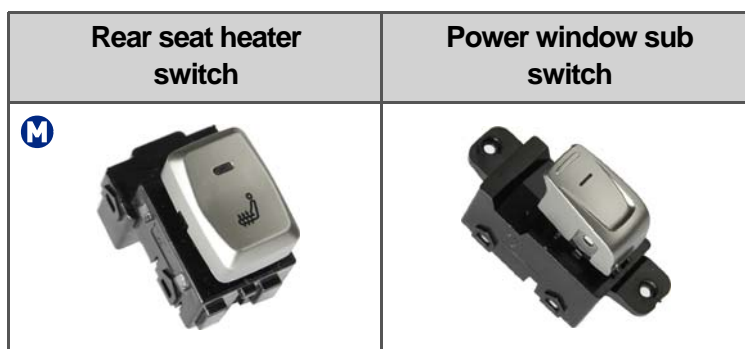
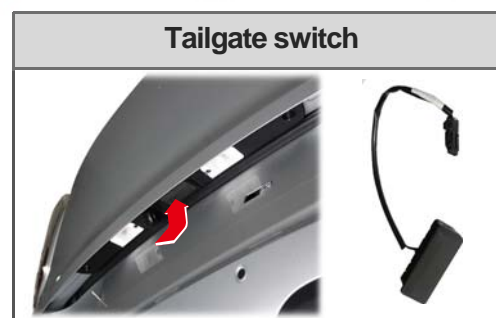
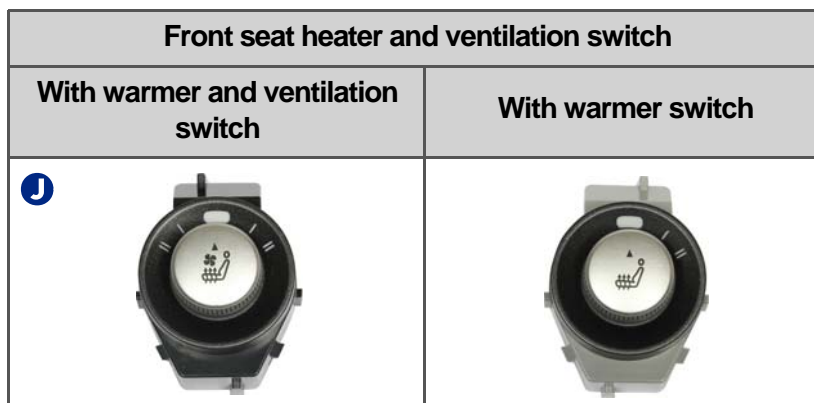


Outside rearview mirror switch



Center fascia switch





Modification basis	
Application basis	

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ISG SYSTEM

CONFIGURATION AND FUNCTIONS

8520-01 POWER WINDOW MAIN SWITCH ASSEMBLY

1) Overview

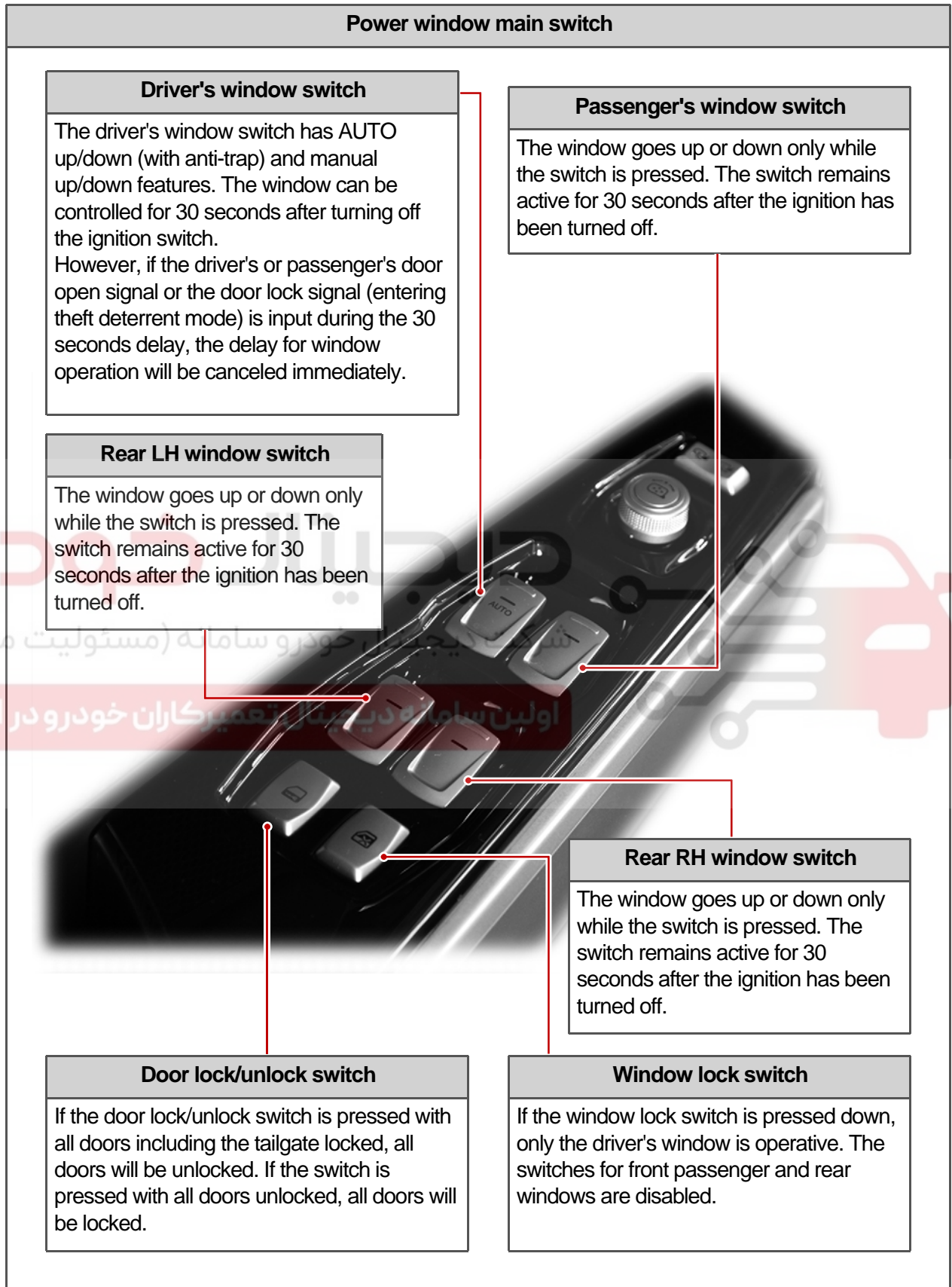
The power window main switch is mounted to the driver's door trim and offers the following:

- All windows up/down
- All doors lock/unlock
- All windows except driver's window up/down limit
- Driver's window AUTO up/down (with Anti-Trap)

2) Mounting Location and Components



3) Operating Process



Modification basis	
Application basis	
Approval basis	

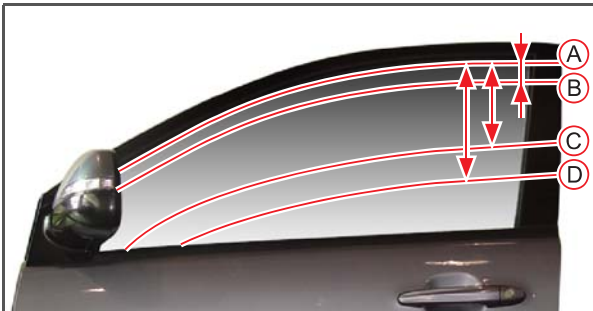
SWITCH

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► Anti-trap function for driver's window

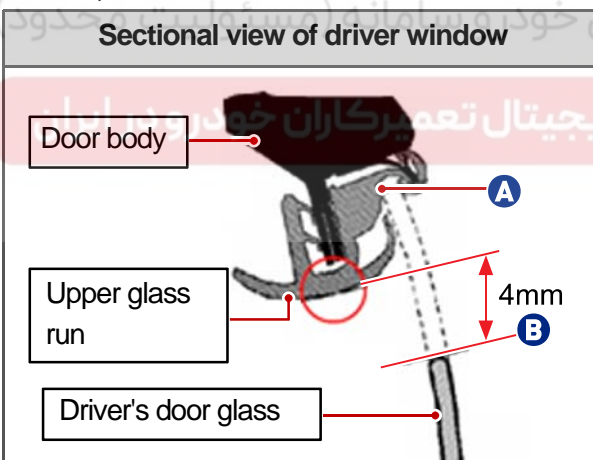
Anti-trap function enables the driver's window to automatically reverse to the anti-trap park position when an obstacle is detected in the way of the glass during the AUTO up. When the sensor detects an obstacle. This function is only available for the vehicle with anti-trap feature.

Driver's window anti-trap operating range



- A. Top position
- B. Minimum operating range for anti-trap (about 4 mm)
- C. Maximum operating range for anti-trap (about 200 mm)
- D. Anti-trap park position (250 mm \pm 10 mm)

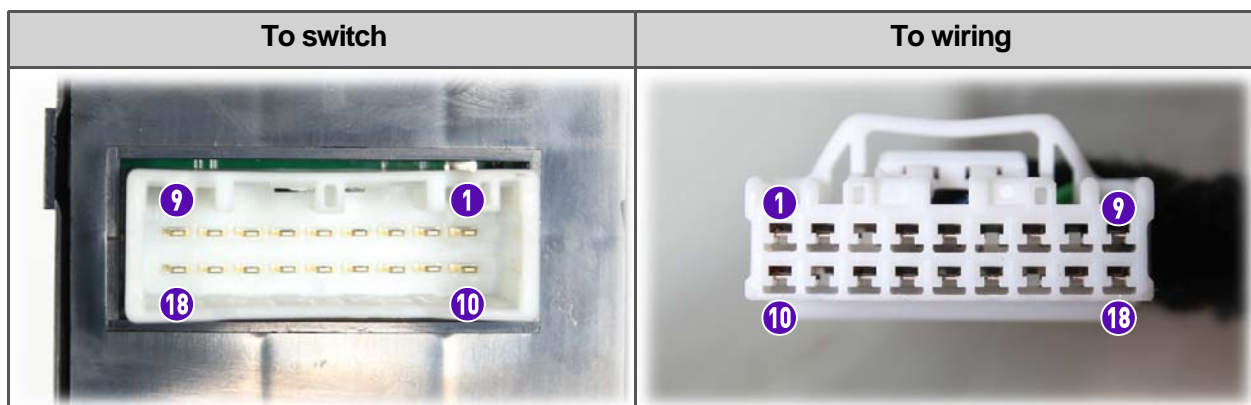
The operating range of the anti-trap function is between 4 mm and 200 mm from the bottom of the upper glass run. When a reverse force of 100 N or more is detected in this operating range, the window goes down automatically up to about 250 mm from the bottom of the upper glass run.



Sectional view of driver window



4) Connector



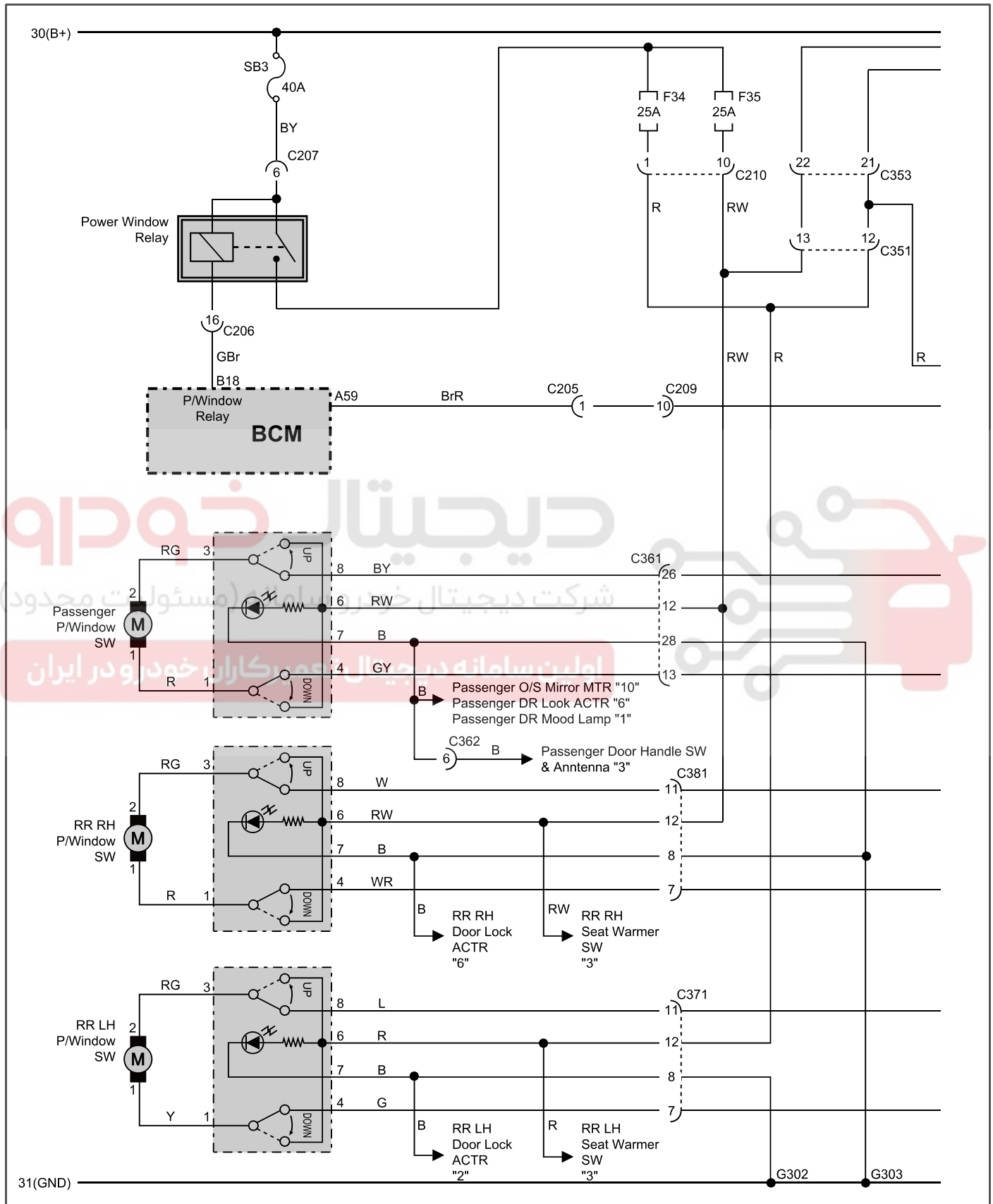
Pin No.	Function	Pin No.	Function
1	Rear RH window UP	10	Power supply (Power window relay)
2	Rear RH window DOWN	11	-
3	-	12	Passenger's window UP
4	Ground	13	Passenger's window DOWN
5	Rear LH window UP	14	Automatic
6	-	15	Driver's window DOWN (anti-trap)
7	Rear LH window DOWN	16	-
8	-	17	Driver's window UP (anti-trap)
9	Door LOCK switch	18	Power (B+)

Modification basis	
Application basis	
Accessories	

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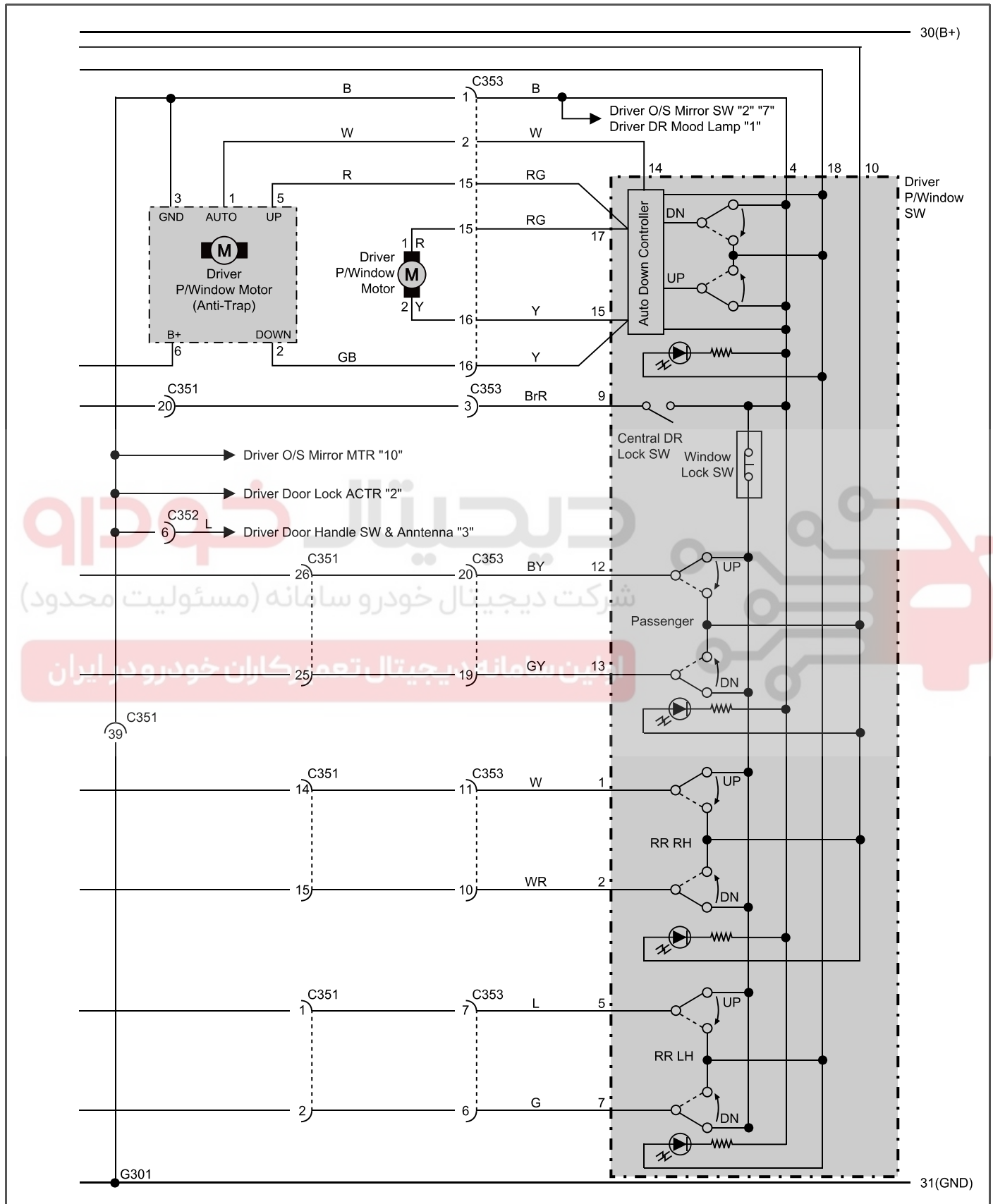
5) Circuit Diagram



SWITCH

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Modification basis	
Application basis	
Affected VIN	021 62 99 92 92



S.G.N.

8520-05

OUTSIDE REARVIEW MIRROR SWITCH ASSEMBLY

1) Overview

The outside rearview mirror switch assembly is mounted to the driver's door trim. You can adjust the outside rearview mirror up, down, left or right by using this switch to get a clear view of the rear of the vehicle. You can also fold the outside rearview mirror with this switch when passing by the narrow road or parking the vehicle. The adjustment switch is a joystick type switch, while the folding/unfolding switch is a see-saw type switch. Do not try to fold/unfold or adjust the outside rearview mirror by hand. That kind of force may cause a malfunction of the relevant devices.

2) Mounting Location and Components

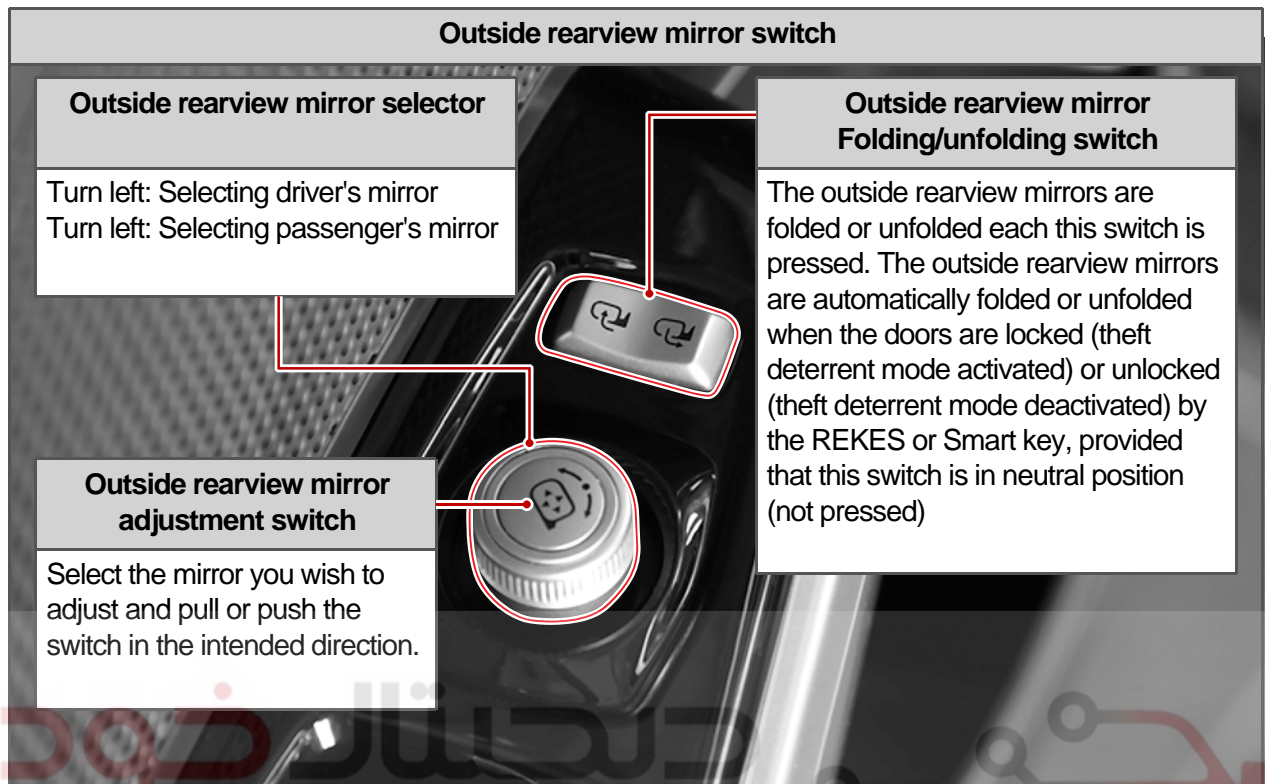


SWITCH

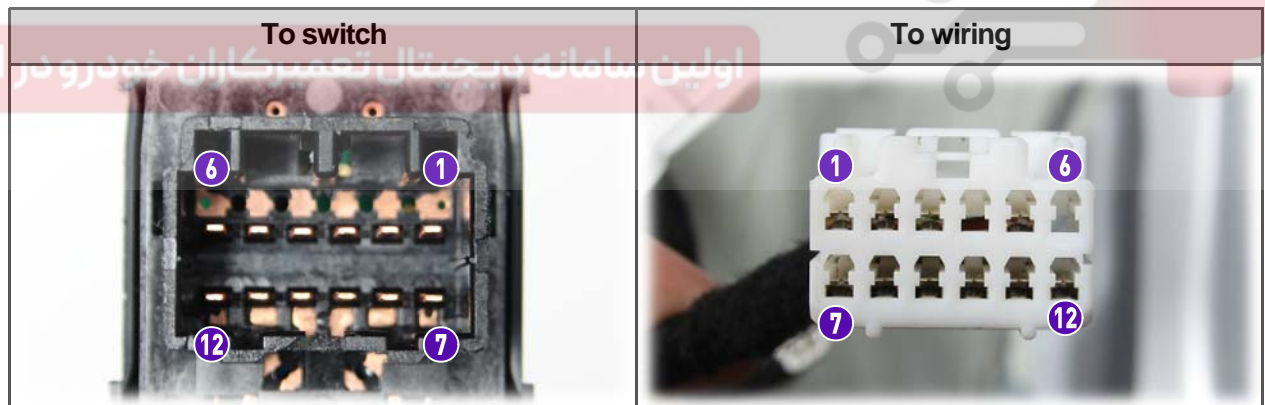
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Modification basis	
Application basis	
Affected VIN	021 62 99 92 92

3) Operating Process



4) Connector



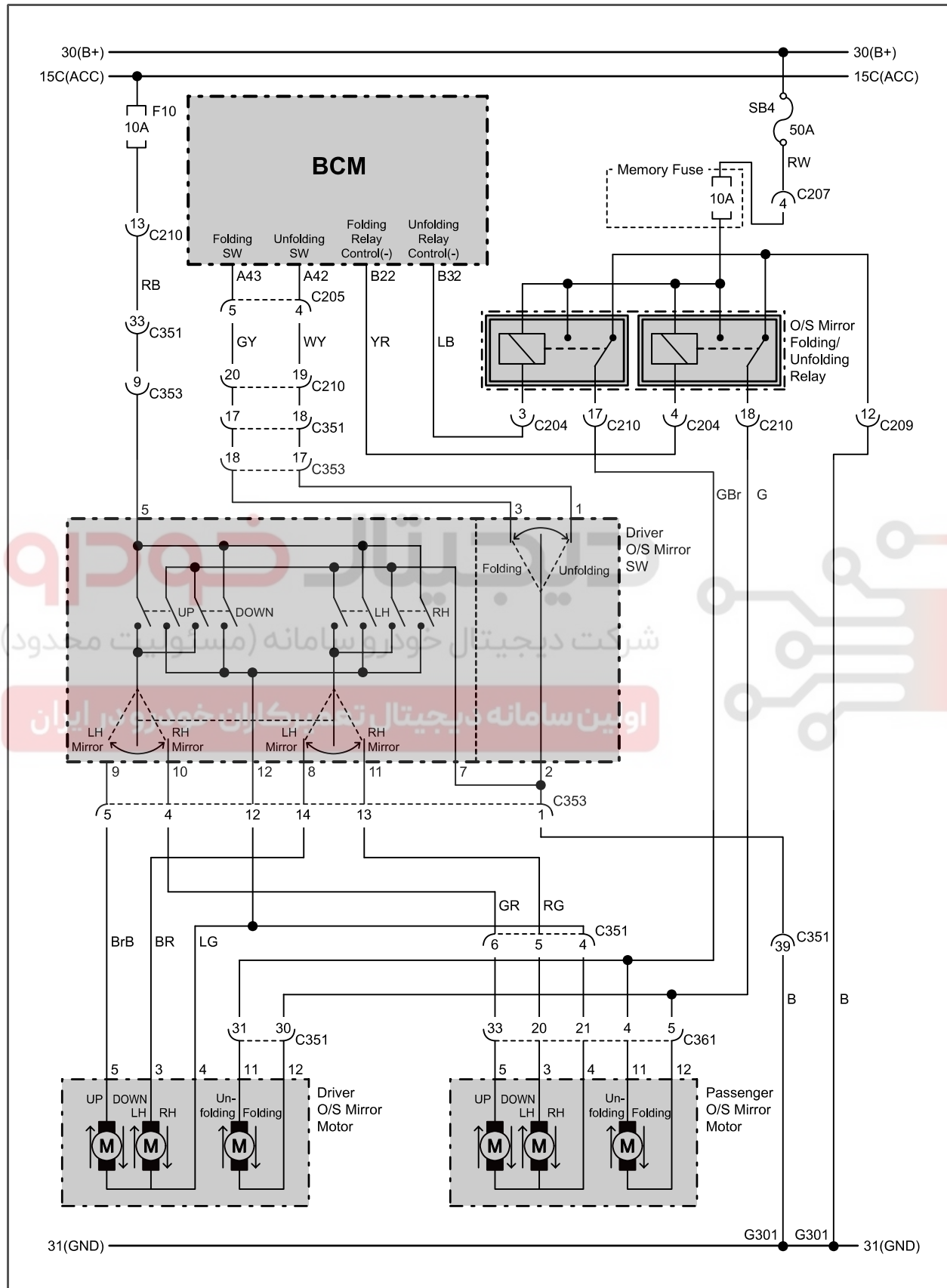
Pin No.	Function	Pin No.	Function
1	Unfolding switch signal	7	Ground (switch)
2	Ground (folding/unfolding)	8	LH mirror left/right
3	Folding switch signal	9	LH mirror UP/DOWN
4	-	10	RH mirror UP/DOWN
5	Power supply (ACC)	11	RH mirror left/right
6	-	12	Mirror up/down/left/right, ground

Modification basis	
Application basis	
Approval basis	

SWITCH

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5) Circuit Diagram



SWITCH

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Modification basis	
Application basis	
Affected VIN	021 62 99 92 92

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8520-07

POWER WINDOW SUB SWITCH ASSEMBLY - PASSENGER SIDE

1) Overview

The power window sub switch assembly is installed to the passenger's door trim.

2) Mounting Location and Components

Power window sub switch - passenger side



Passenger's window switch



Power window sub switch - rear



Rear window switch



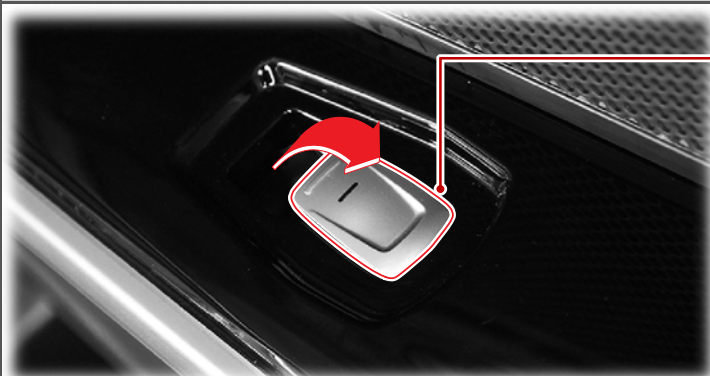
Modification basis	
Application basis	
Approval basis	

SWITCH

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3) Operating Process

Power window sub switch - passenger side



Power window sub switch

The window is operated only while the switch is pressed.

Power window sub switch - rear

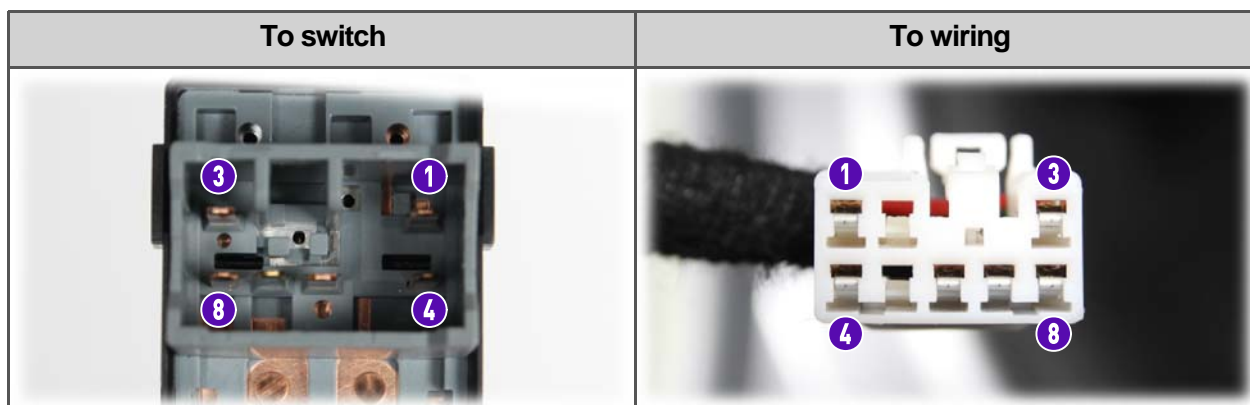


Power window sub switch

The window is operated only while the switch is pressed.

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4) Connector



Pin No.	Function	Pin No.	Function
1	Window motor UP	5	-
2	-	6	Power supply
3	Window motor DOWN	7	Ground
4	Window down (main)	8	Window up (main)

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

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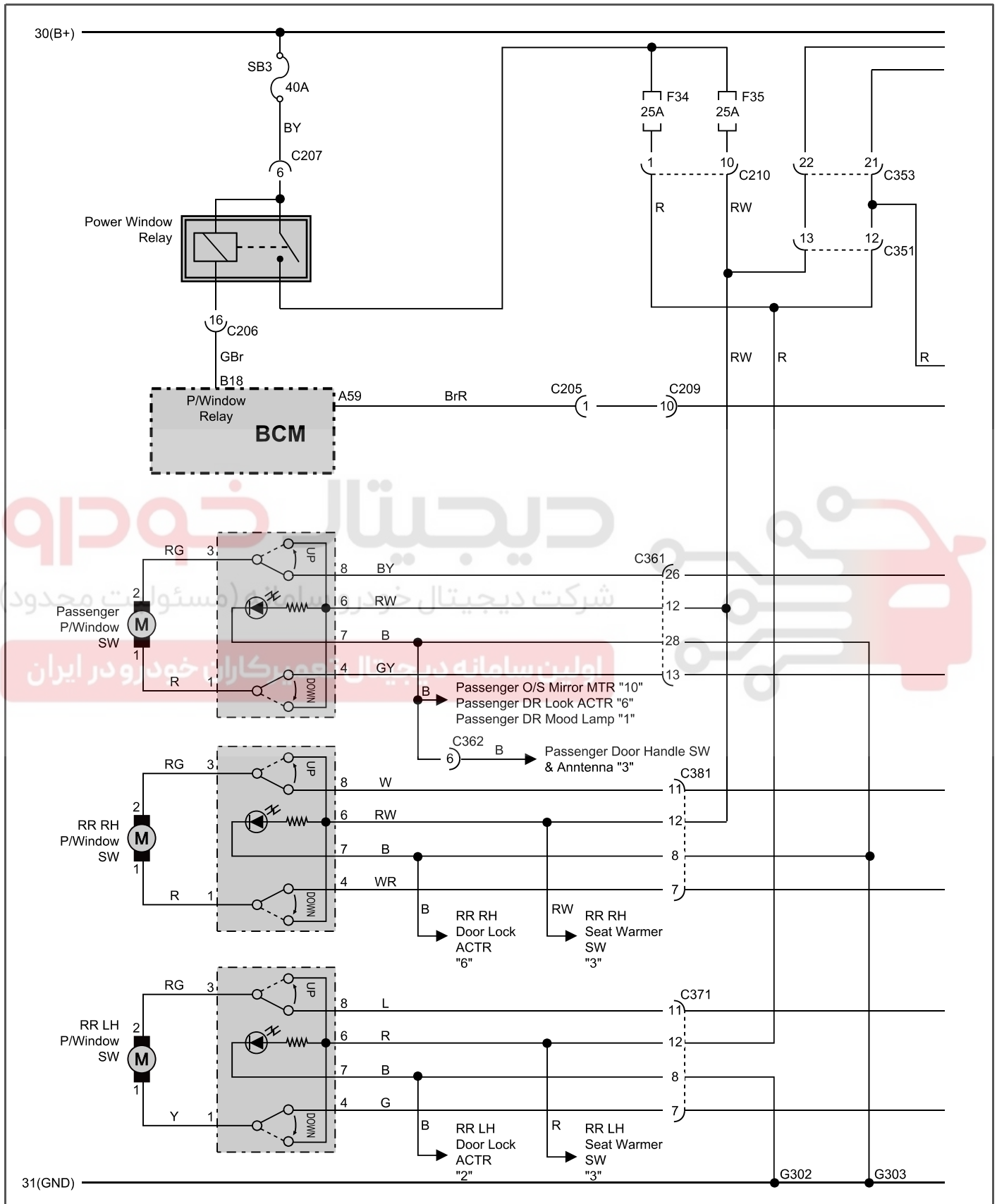
ISG SYSTEM

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Application basis	
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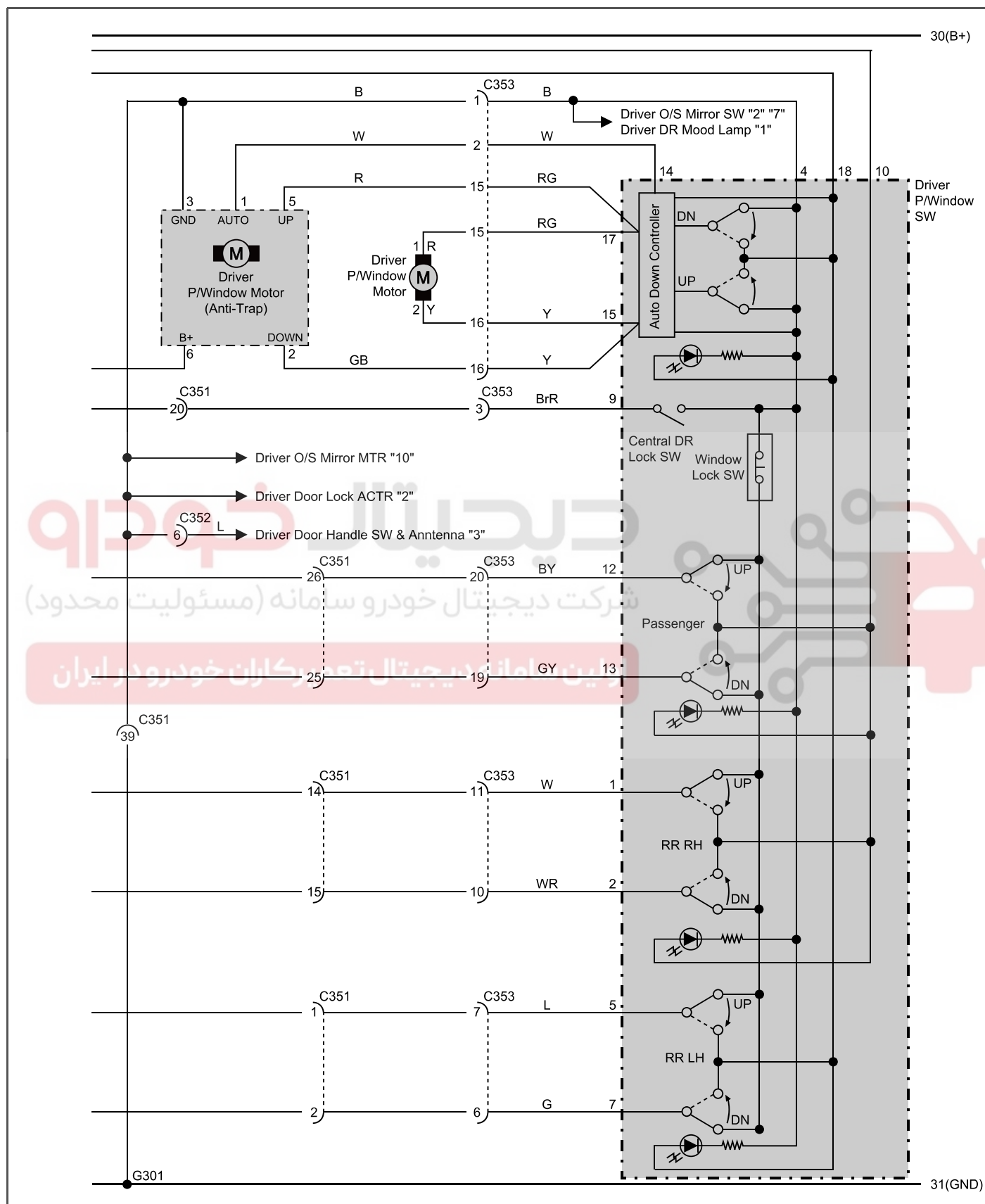
5) Circuit Diagram



SWITCH

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Modification basis	
Application basis	
Affected VIN	021 62 99 92 92



Modification basis	
Application basis	
Affected VIN	

DIGITALKHODR

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6810-01 HEATER AND A/C CONTROL ASSEMBLY**1) Overview**

The heater and A/C control assembly is divided into two categories: dual automatic temperature control (DATC) and manual temperature control (MTC).

► Heater and A/C control (automatic)

DATC is a temperature control device which receives the signals from various sensors (interior temperature sensor, ambient temperature sensor, water temperature sensor, and sun load sensor) and the control switches to control the blower motor and all kinds of actuators (mode door actuator, mix door actuator, intake door actuator) through the logical operation of the MICOM. Because of this control of the DATC, the interior temperature of the vehicle is maintained at a temperature set by the driver.

The driver can check the status of A/C through the dial indicator of DATC. The fan speed and the temperature are adjusted automatically based on the input signals from various sensors to keep the indoor air fresh.

If the DATC system is defective, the MICOM performs self-diagnosis for the system to inform the driver of the defect. The driver can get the detailed information about the defect by using the self-diagnosis function.

► Heater and A/C control (manual)

The manual temperature control (MTC) system controls all the actuators (mode door actuator, mix door actuator, intake door actuator) and blower motor with driver inputs.

The driver can check the status of A/C through the dial indicator of MTC.

2) Mounting Location and Components



Heater and A/C control

Heater and A/C control (automatic)



Heater and A/C control (manual)



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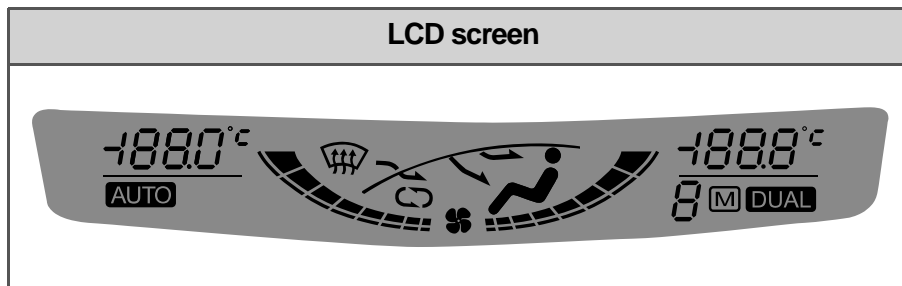
Modification basis	
Application basis	
Accessories	

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3) Operating Process

(1) Heater and A/C control (automatic)



Defroster mode switch

This is used to remove the condensation on the windshield. When you press the switch, the indicator comes on and the air is directed through the windshield outlet. After changing to fresh air mode, the air conditioner starts to operate. When you press the switch again, the indicator goes off and the air distribution returns to the previous status.

MEMORY switch

When this switch is pressed, the driver temperature, passenger temperature, AC ON or OFF status, air distribution, air source selection, dual function are memorized. This switch allows the driver to store up to three different memory profiles (1M, 2M, 3M). Pressing the switch turns on the indicator and recalls the memory settings.

ON/OFF switch

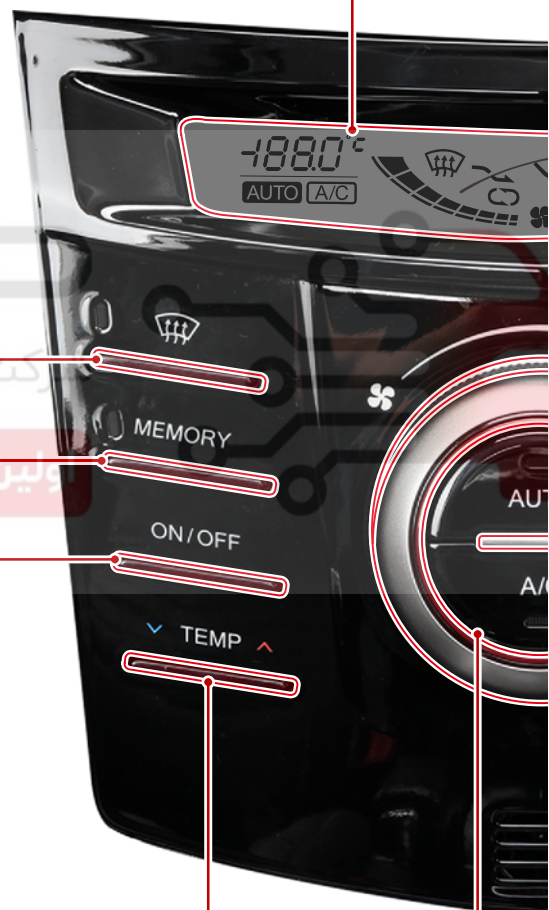
Pressing the switch turns the DATC on/off. When the DATC is turned on, the system recalls the previous settings which were set before it is switched off.

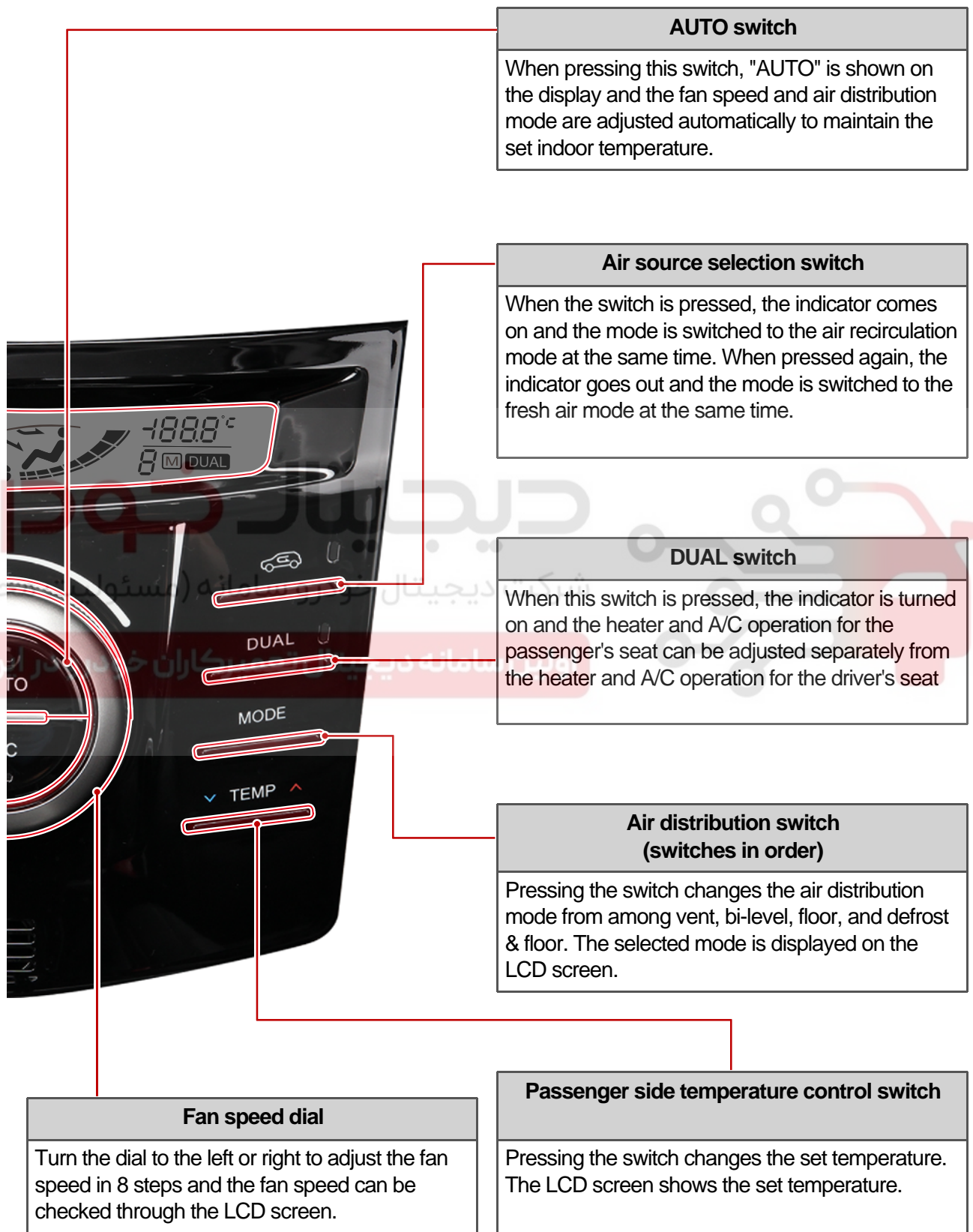
Driver side temperature control switch

Pressing the switch changes the set temperature. The LCD screen shows the set temperature.

A/C switch

When the switch is pressed, the indicator comes on and the air conditioner starts at the same time. Pressing the switch again turns off the indicator lamp and stops the air conditioner operation at the same time.





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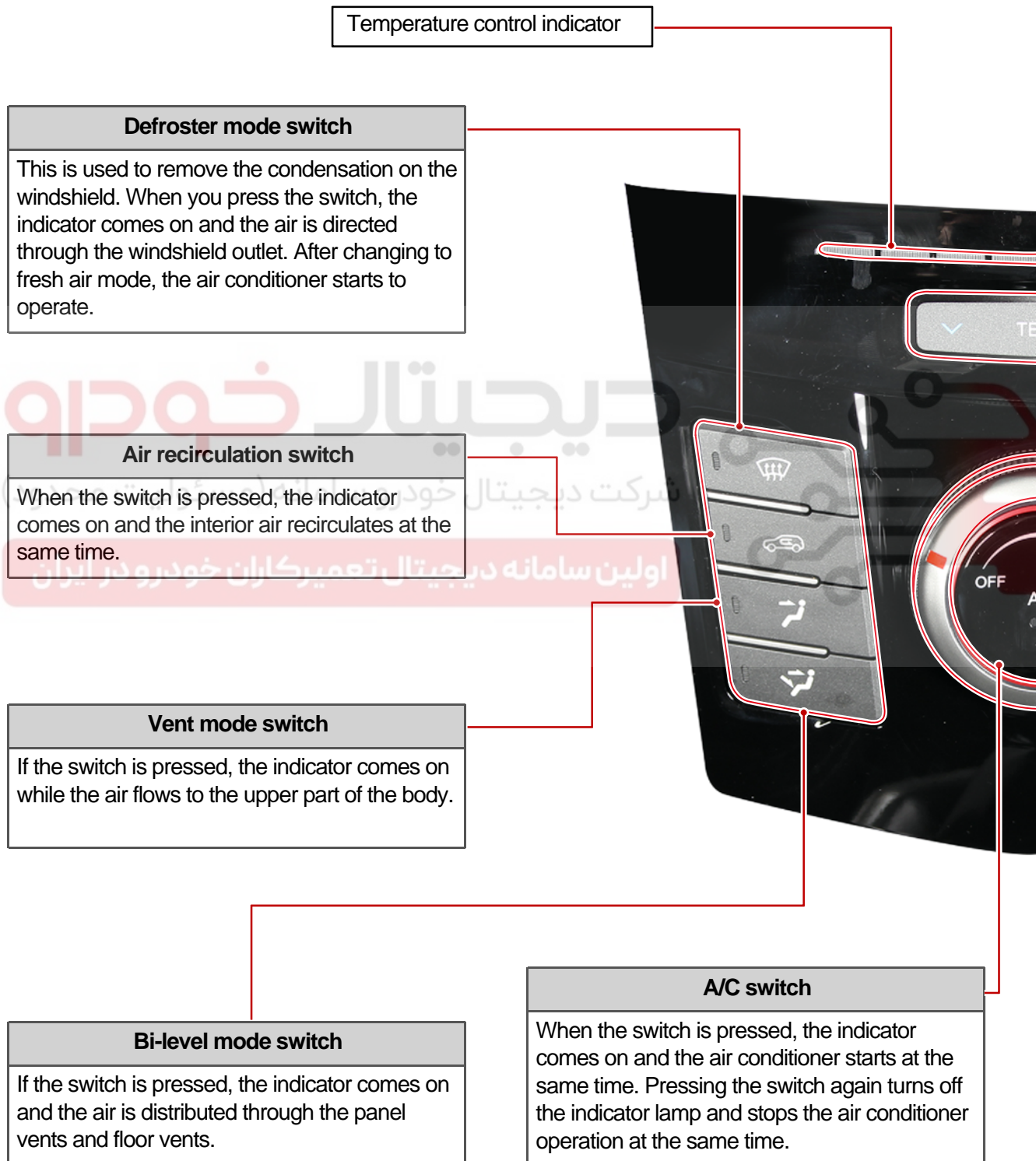
LCD AUDIO

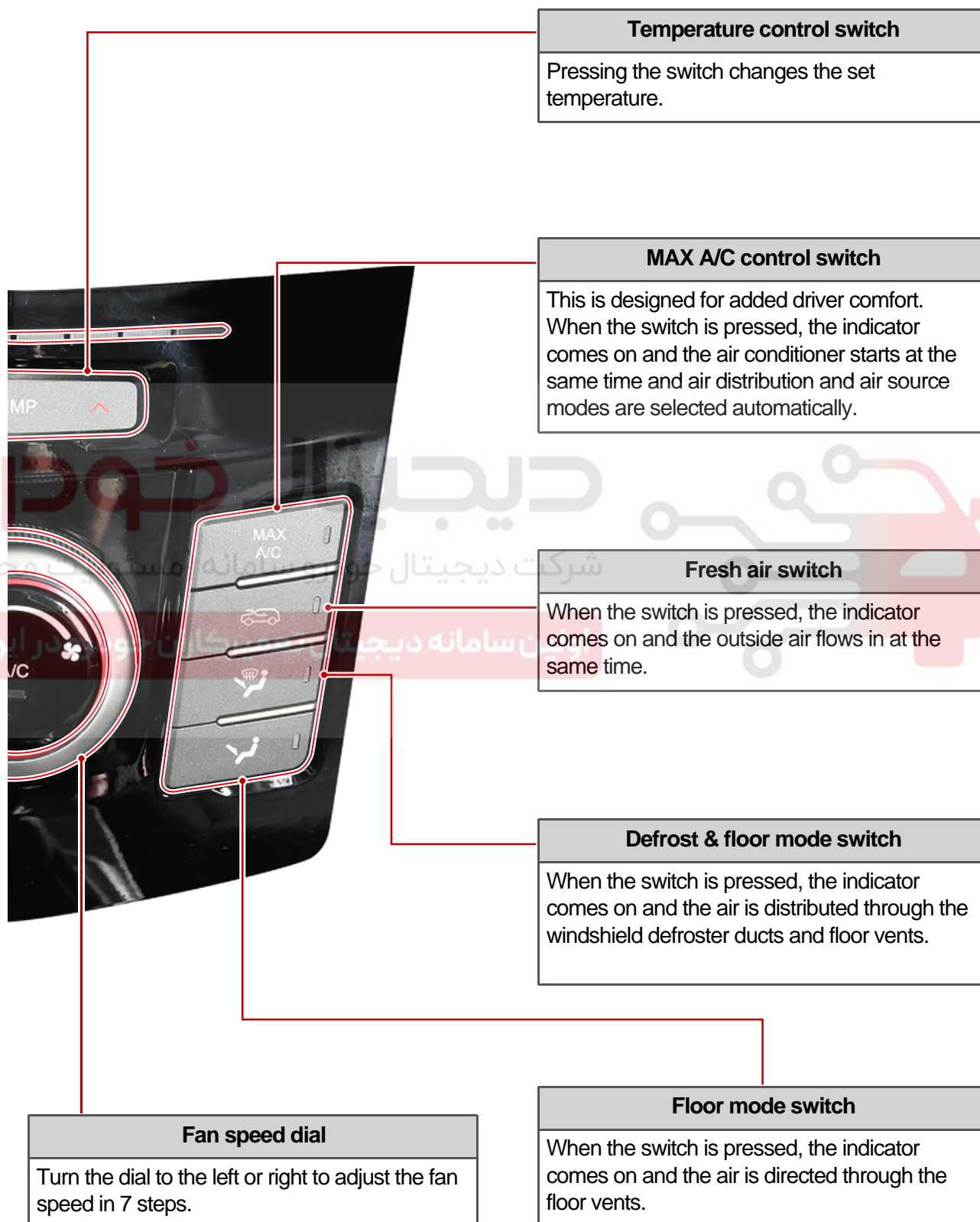
ISG SYSTEM

Modification basis	
Application basis	
Approval basis	

SWITCH

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(2) Heater and A/C control (manual)



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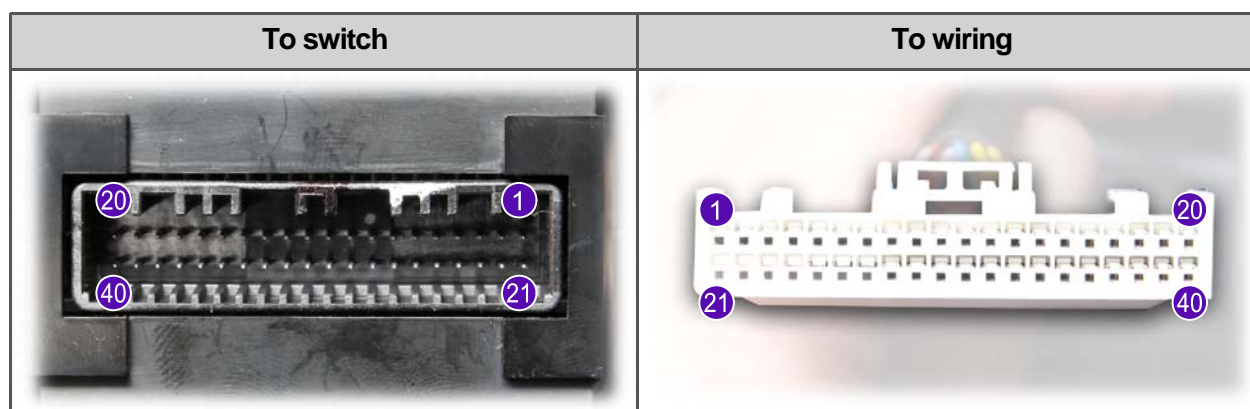
Modification basis	
Application basis	
Approval basis	

SWITCH

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4) Connector

(1) Automatic



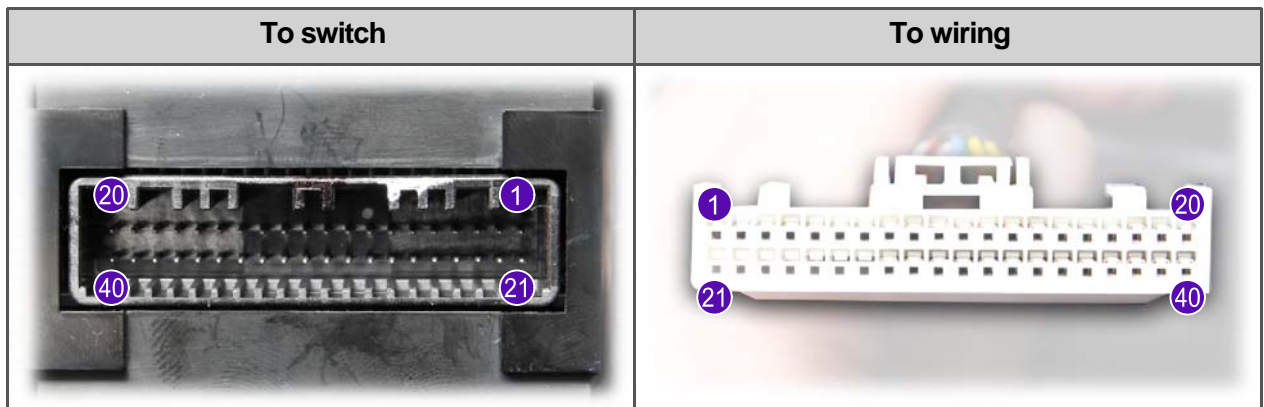
Pin No.	Function	Pin No.	Function
1	Ground	21	-
2	Sensor ground	22	-
3	Detecting passenger's air mix position	23	-
4	Detecting intake position	24	-
5	Detecting driver's air mix position	25	-
6	Detecting mode position	26	-
7	Passenger's air mix (P2_COOL)	27	-
8	Passenger's air mix (P1_HOT)	28	Ambient temperature sensor REF (5V)
9	Intake (P2_RECIRC)	29	-
10	Intake (P1_FRESH)	30	-
11	Driver's air mix (P2_COOL)	31	Sun-load sensor signal
12	Driver's air mix (P1_HOT)	32	Ambient temperature sensor signal
13	Mode (P2_DEF)	33	Water temperature sensor signal
14	Mode (P1_VENT)	34	Intake sensor signal
15	Vehicle speed	35	Blower motor feedback
16	Illumination ground	36	Blower motor control
17	Illumination power supply	37	Max. blower speed signal (D16DTF)
18	Actuator REF (5 V)	38	Blower ON signal (D16DTF)
19	IGN2	39	A/C compressor ON signal
20	B+	40	PTC ON signal (D16DTF)

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Modification basis	
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Affected VIN	021 62 99 92 92

(2) Manual



Pin No.	Function	Pin No.	Function
1	Ground	21	-
2	Sensor ground	22	-
3	-	23	-
4	Detecting intake position	24	-
5	Detecting air mix position	25	-
6	Detecting mode position	26	-
7	-	27	-
8	-	28	Ambient temperature sensor REF (5V)
9	Intake (P2_RECIRC)	29	-
10	Intake (P1_FRESH)	30	-
11	Air mix (P2_COOL)	31	Sun-load sensor signal
12	Air mix (P1_HOT)	32	Ambient temperature sensor signal
13	Mode (P2_DEF)	33	Water temperature sensor signal
14	Mode (P1_VENT)	34	Intake sensor signal
15	Vehicle speed	35	Blower motor feedback
16	Illumination ground	36	Blower motor control
17	Illumination power supply	37	Max. blower speed signal (D16DTF)
18	Actuator REF (5 V)	38	Blower ON signal (D16DTF)
19	IGN2	39	A/C compressor ON signal
20	B+	40	PTC ON signal (D16DTF)

Modification basis	
Application basis	
Approval	

SWITCH

TIVOLI 2015.06

S.G.N.

8510-15 CENTER FASCIA SWITCH ASSEMBLY**1) Overview**

The center fascia switch consists of the rear glass/outside rear view mirror heating switch, TRIP/SET switch, hazard warning flasher switch and smart steer switch.

2) Mounting Location and Components

SWITCH

TIVOLI 2015.06

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92

3) Operating Process

(1) Rear glass/outside rearview mirror heating switch

Rear glass/outside rearview mirror heating switch



Rear glass/outside rearview mirror heating switch

When the rear glass/outside rearview mirror heating switch is pressed, the heated wires on the rear glass and the outside rearview mirror are turned on for about 12 minutes. Pressing the switch again turns off the heating elements. When the switch is pressed again within 10 minutes after completion of its first operation cycle (12 minutes), the heated wires will be turned on for about 6 minutes. The indicator lamp illuminates while the heated wires are activated.



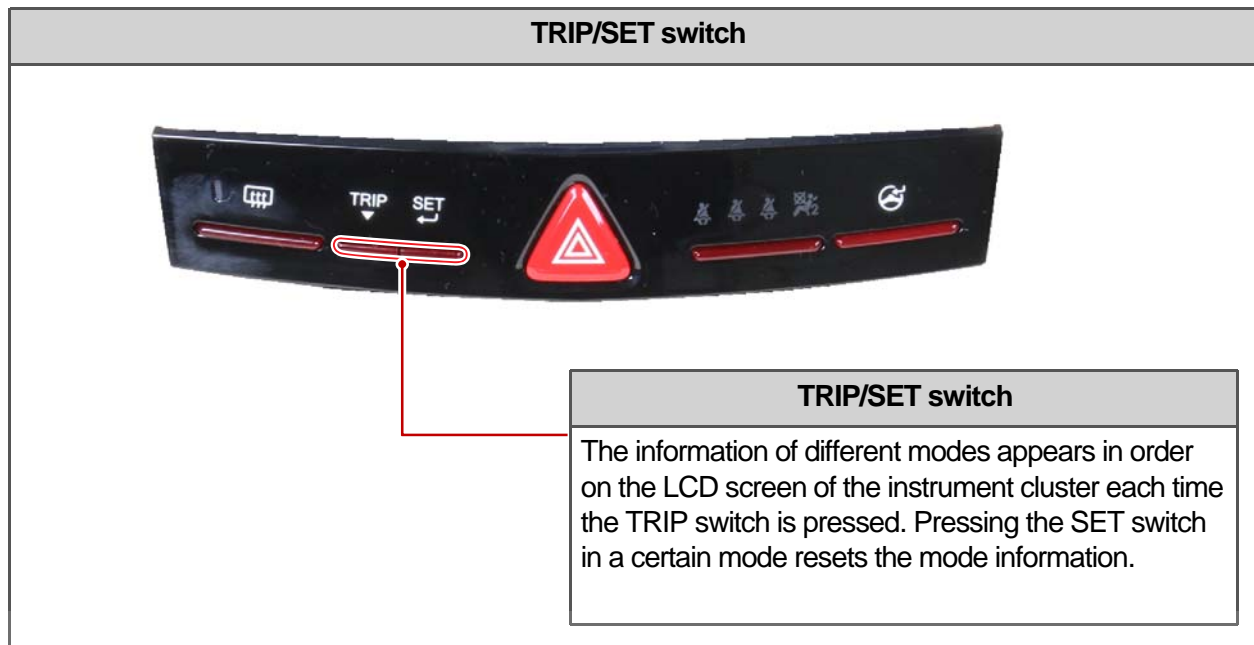
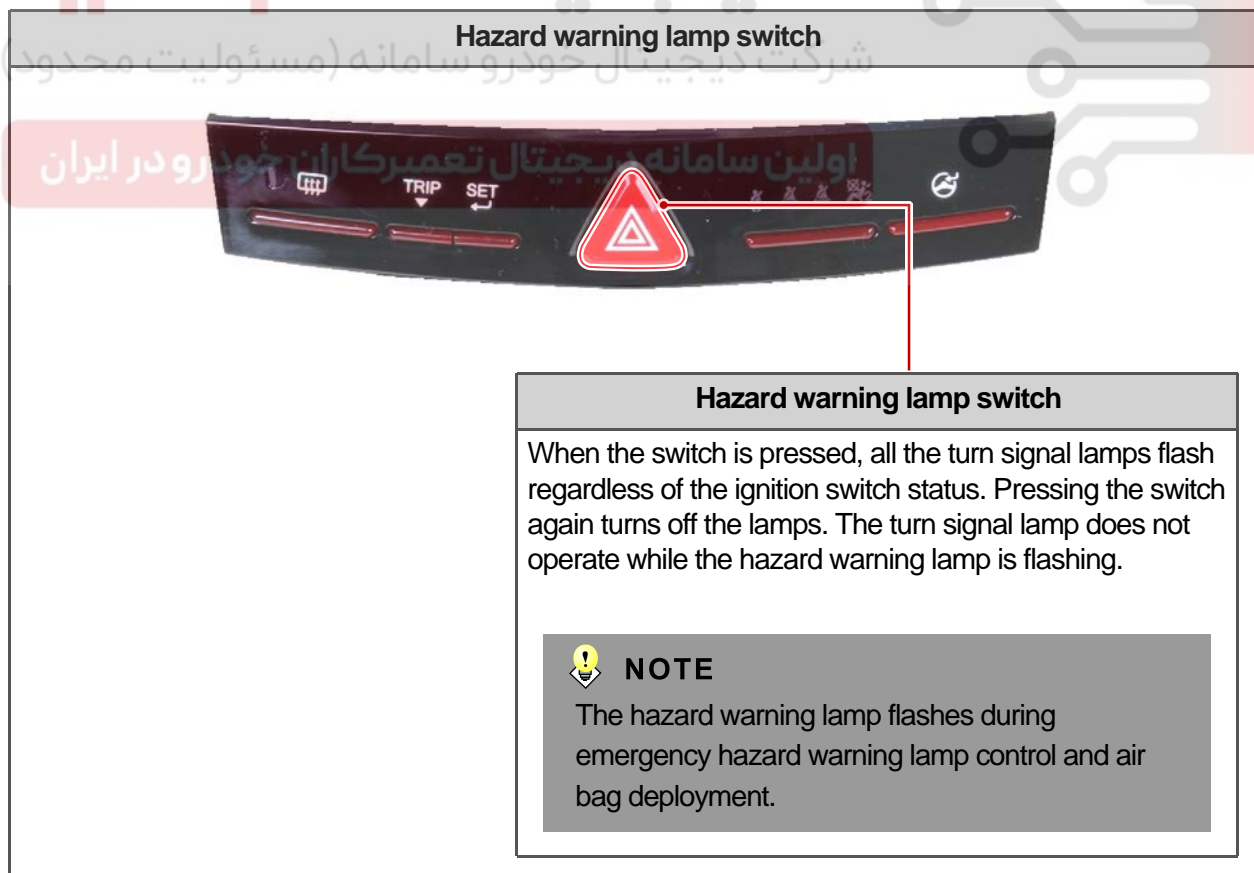
NOTE

The switch is operable only when the engine is running.

Modification basis	
Application basis	
Approval basis	

SWITCH

TIVOLI 2015.06

(2) TRIP/SET switch**(3) Hazard warning lamp switch**

(4) Rear seat belt indicator & PAB OFF indicator**(4) Rear seat belt indicator & PAB OFF indicator****Rear seat belt indicator**

1. The indicators for unfastened rear seat belts (LH, RH and center) come on for 33 seconds with the engine started (rear doors closed).
2. The indicator goes out when the seat belt is fastened with the rear seat belt indicator on.
3. The indicator goes out when the ignition is turned off with the rear seat belt indicator on.
4. The rear seat belt indicator comes on for max. 33 seconds when the rear seat belt is unfastened. (Passenger recognized when the rear LH, RH or center seat belt is fastened with engine started)
5. It illuminates the indicator for max. 33 seconds each time the rear seat belt which has been buckled by a passenger is unfastened.
6. When the vehicle is stationary and the rear LH and RH doors are open, the rear seat belt passenger recognition is reset, the rear seat belt indicator output is off. The operation above is repeated when the rear door is closed.

**PAB OFF indicator**

The PAB is deactivated and PAB OFF indicator comes on when the PAB OFF switch is turned off.

Modification basis	
Application basis	
Life cycle	

SWITCH

TIVOLI 2015.06

(5) Smart steer switch**Smart steer switch****Smart steer switch**

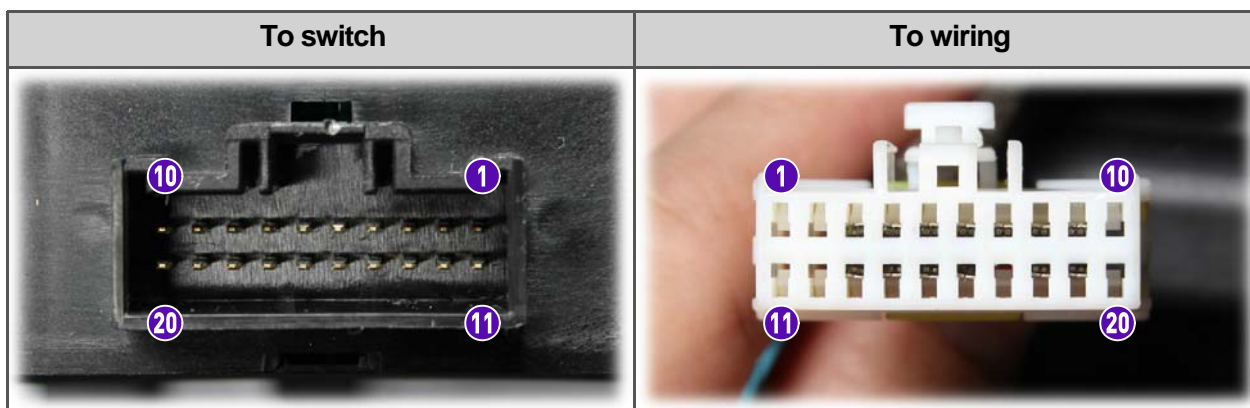
Pressing the smart steer switch displays the currently selected steer mode on the screen of the instrument cluster. The mode is changed in the order of COMFORT → NORMAL → SPORT each time the switch is pressed within 4 sec. If the switch is not pressed within 4 sec., the mode returns to the previously selected mode. The selected smart steer mode is maintained even if the ignition switch is turned OFF and ON again.

Supervision instrument cluster	Standard instrument cluster	Operating conditions
		The COMFORT mode is used when smoother or more comfortable ride than NORMAL mode is required.
		The NORMAL mode is used for typical driving conditions.
		The SPORT mode is used for heavy steering (heavier than NORMAL mode) and high speed operation.

CAUTION

- When changing smart steer mode during driving, all attention should be kept on the roadway ahead. When changing the smart steer mode while turning the steering wheel, the selected mode is displayed on the instrument cluster screen, but the steering force may not change immediately. If this is the case, the mode will be changed to the selected mode automatically after the steering wheel has been operated.
- If the EPS system does not operate because of the malfunction in the system, the smart steer mode will not be available.

4) Connector



Pin No.	Function	Pin No.	Function
1	-	11	-
2	-	12	-
3	IGN +	13	PAB OFF indicator
4	Smart steer switch signal	14	Rear seat belt indicator 1
5	Hazard warning lamp switch signal	15	Rear seat belt indicator 2
6	SET switch signal	16	Rear seat belt indicator 3
7	TRIP Switch signal	17	-
8	Rear glass heating switch signal	18	Rear glass heating switch indicator
9	Tail lamp relay "87" (Interior)	19	Ground
10	-	20	-

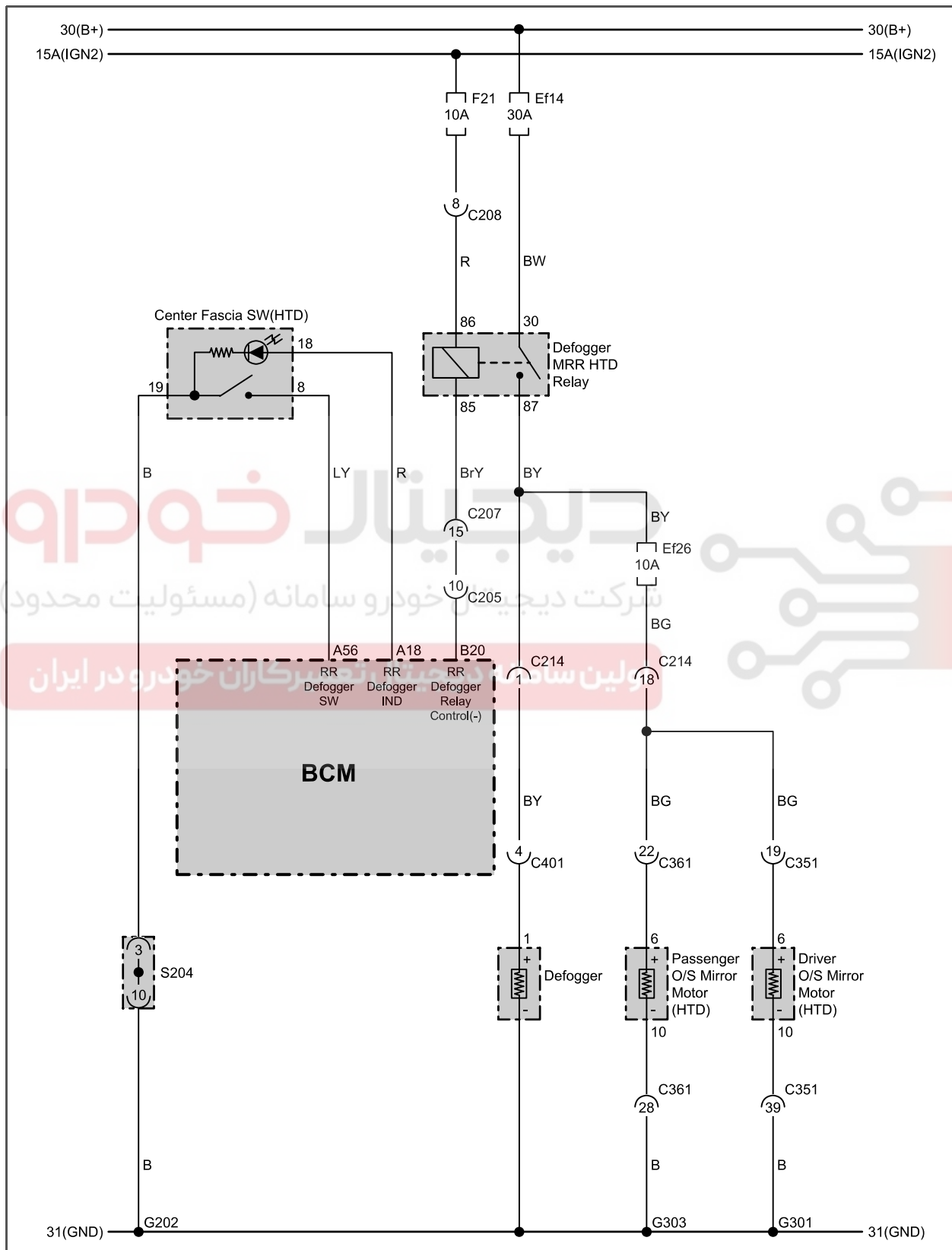
Modification basis	
Application basis	
Approved by	

SWITCH

TIVOLI 2015.06

5) Circuit Diagram

(1) Rear glass/outside rearview mirror heating switch

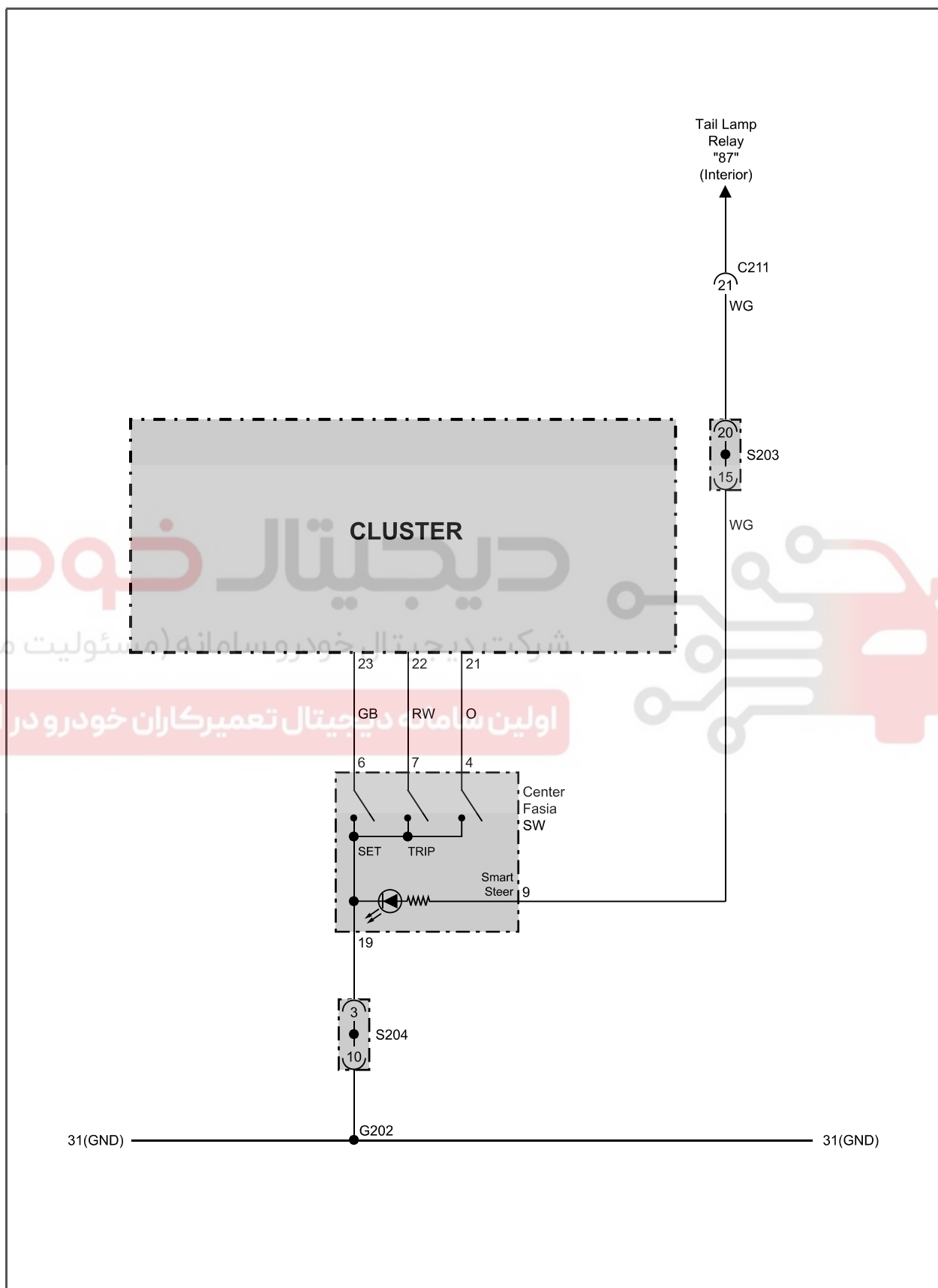


SWITCH

TIVOLI 2015.06

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92

(2) TRIP/SET switch, smart steer switch

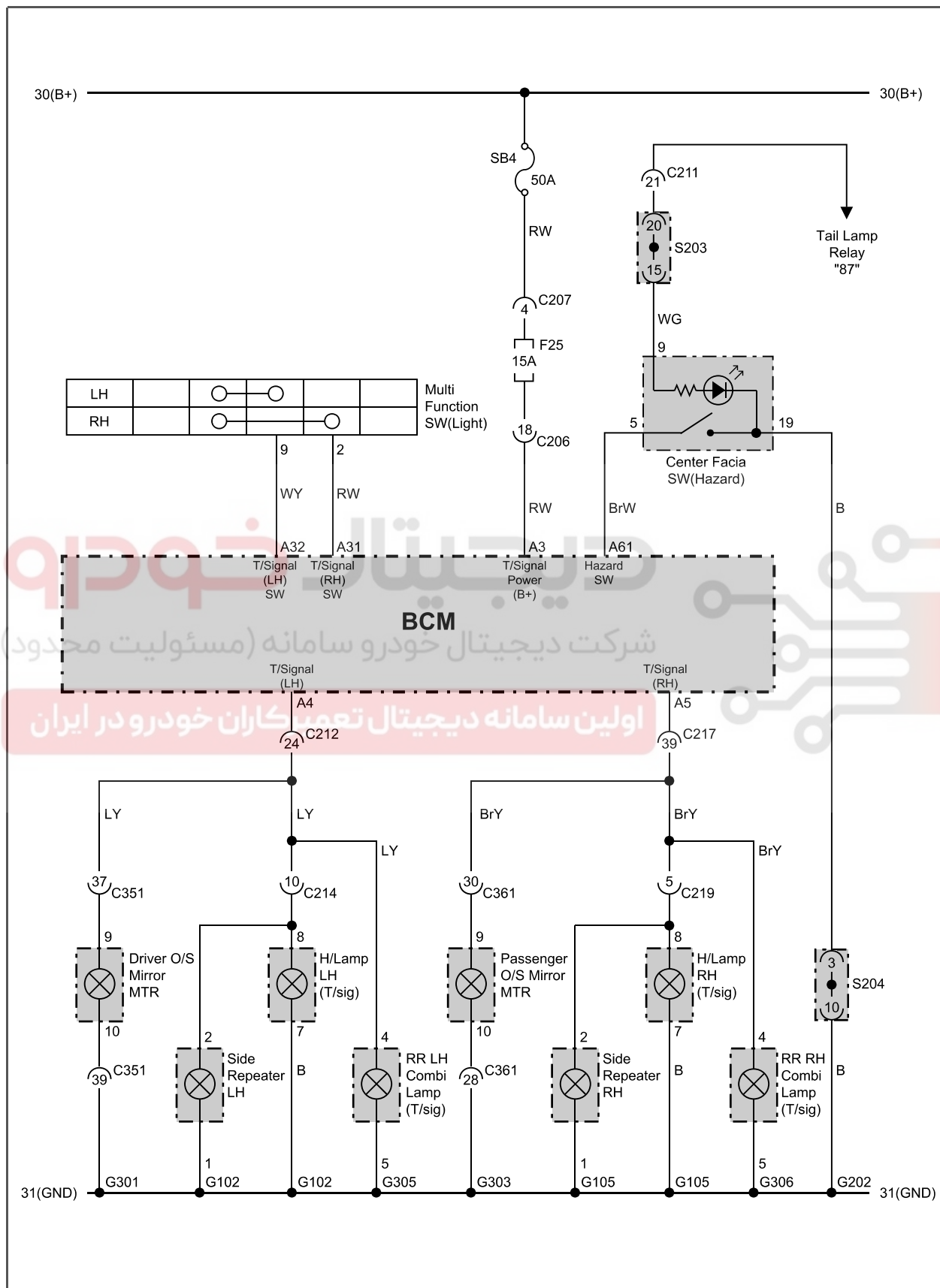


Modification basis	
Application basis	
Approved by	

SWITCH

TIVOLI 2015.06

(3) Hazard warning lamp switch

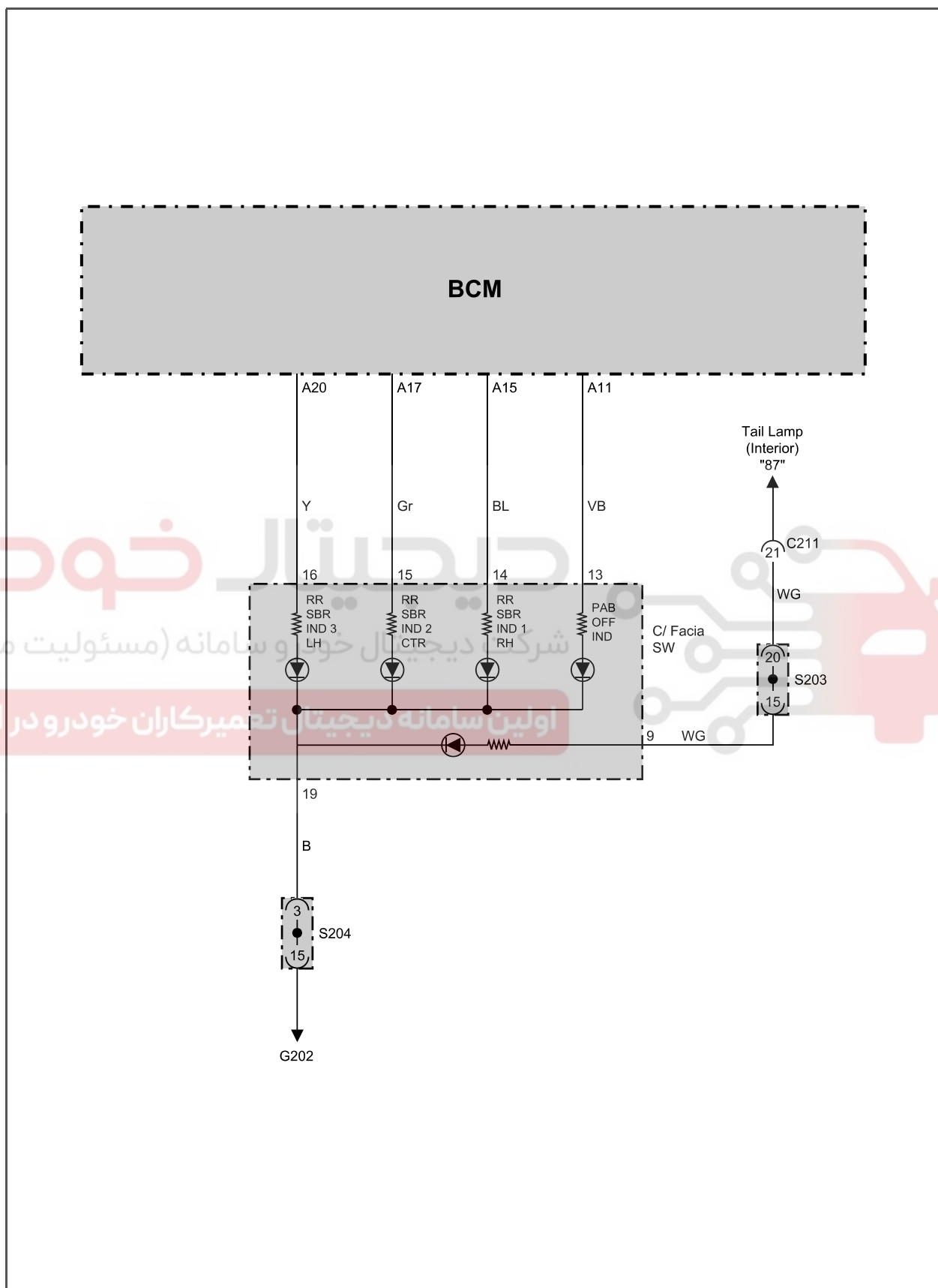


SWITCH

TIVOLI 2015.06

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92

(4) Rear seat belt indicator, PAB OFF indicator



Modification basis	
Application basis	
Reference VIN	

SWITCH

TIVOLI 2015.06

FUSE

BCM

SKM

INSTRUMENT

SWITCH

LAMP

WIPER AND

AVN

MP3 AUDIO

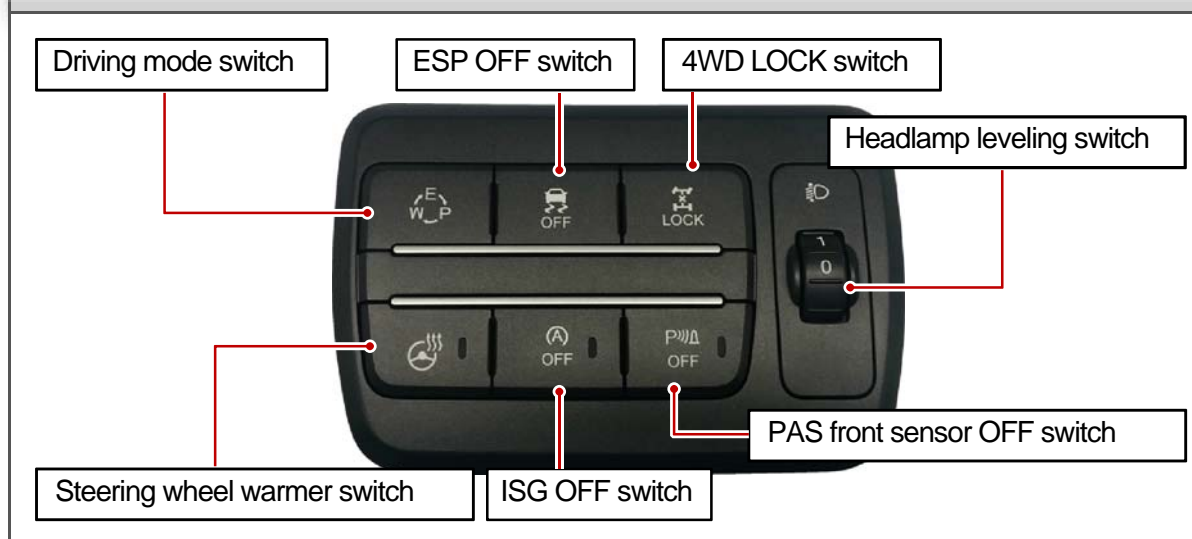
LCD AUDIO

ISG SYSTEM

S.G.N.

8510-07 LOWER MAIN SWITCH ASSEMBLY**1) Overview**

The lower main switch consists of the driving mode switch (E → P → W switch), ESP OFF switch (ESP deactivation switch), 4WD LOCK switch (for 4WD vehicle), steering wheel warmer switch, and the PAS front sensor OFF switch.

2) Mounting Location and Components**Lower main switch**

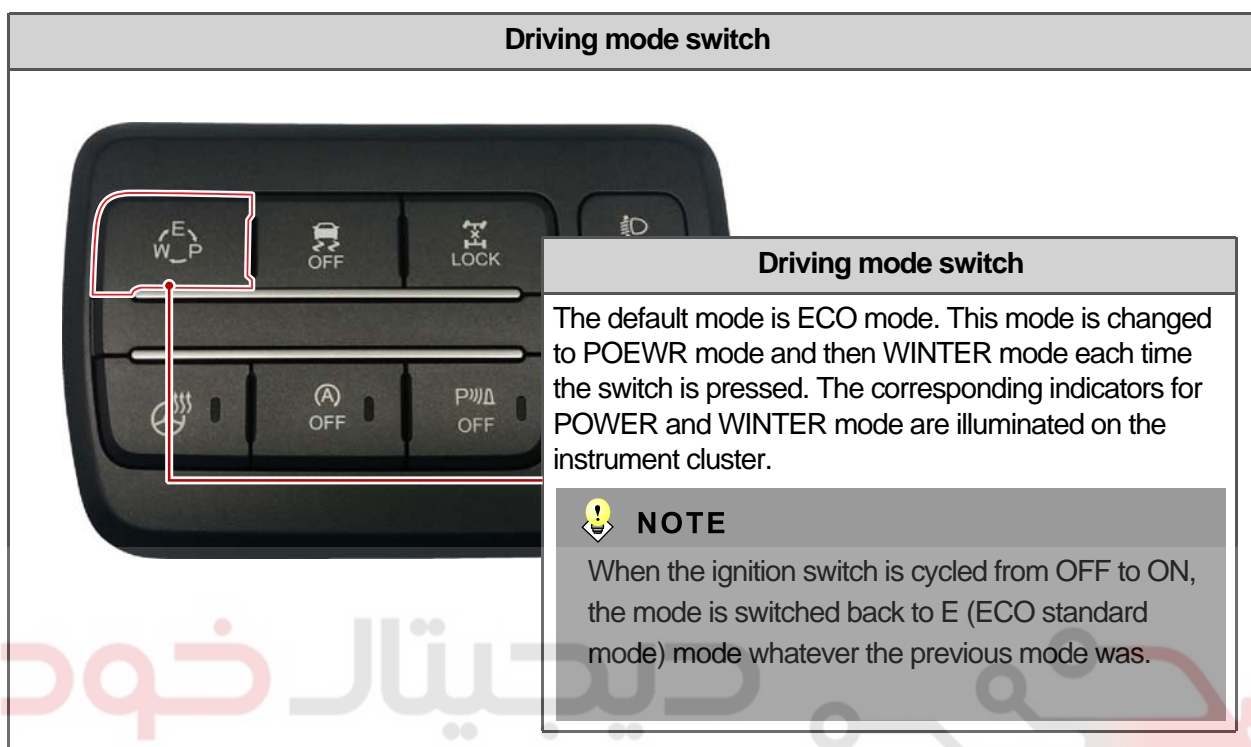
SWITCH

TIVOLI 2015.06

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92

3) Operating Process

(1) Driving mode switch



► E (ECO) mode switch

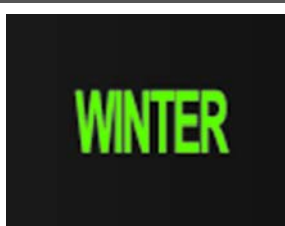
This fuel-saving mode is used for normal driving and does not trigger any indicator lamp on the instrument cluster.

► P (POWER) mode switch



The driving force of the vehicle is increased forcibly by a certain amount in this mode. Pressing the mode switch once in E (ECO) mode changes the driving mode to POWER mode and turns on the POWER mode indicator on the instrument cluster.

► W (WINTER) mode switch

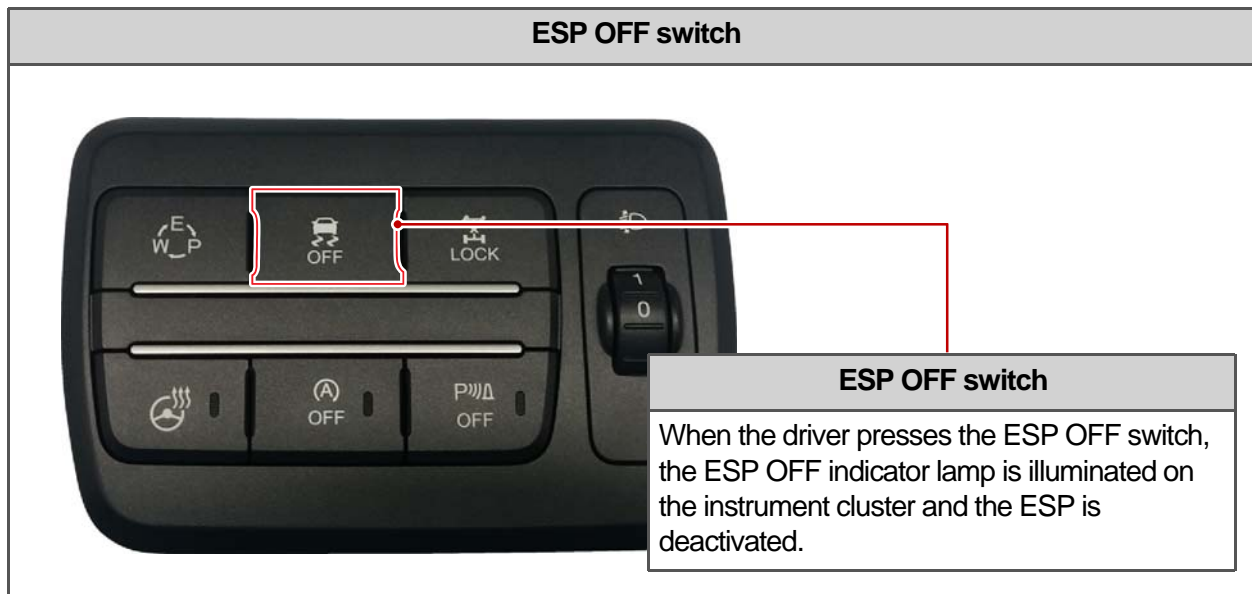


When starting off the vehicle in this mode on icy roads, the 2nd gear is selected to prevent slipping. Pressing the drive mode switch once in POWER mode changes the mode to WINTER mode and turns on the WINTER mode indicator on the instrument cluster.

Modification basis	
Application basis	
Approval basis	

SWITCH

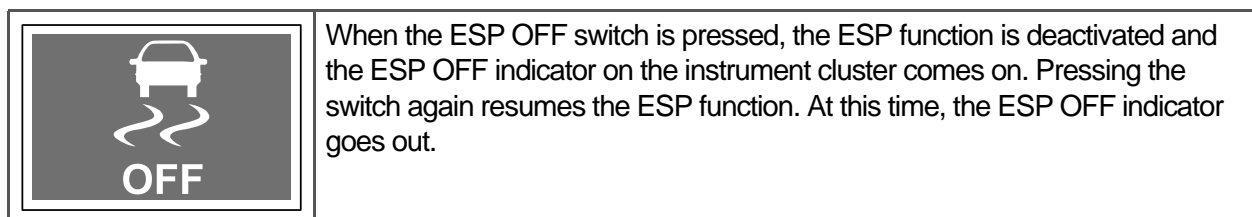
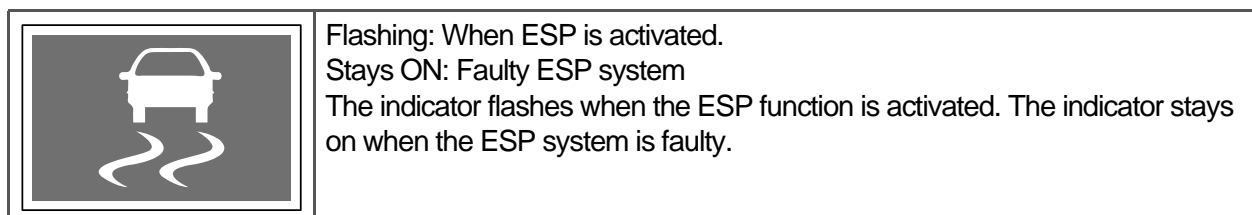
TIVOLI 2015.06

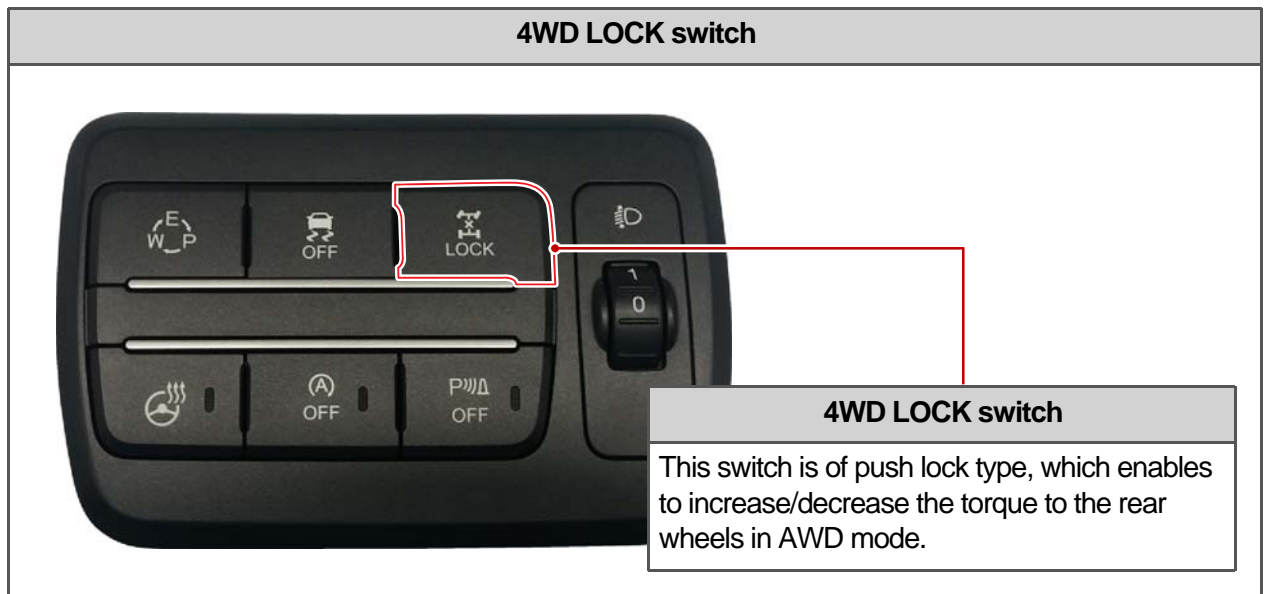
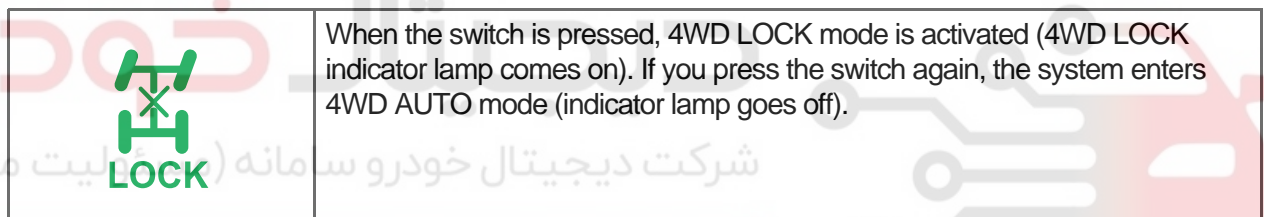
(2) ESP OFF switch**► ESP ON indicator/warning lamp**

The electronic stability program (ESP) is a supplementary safety system. This is used when your vehicle is unstable in a certain situation, such as during a sharp cornering. The ESP controls the brake on a certain wheel(s) or the engine torque to stabilize the vehicle. This system reduces the risk of the vehicle skidding or overturning.

If the driving wheels are slipping on snowy or icy roads, the engine rpm may not be increased even when the accelerator pedal is depressed, and accordingly, the vehicle may not start off.

In this case, stop the ESP function by pressing the ESP OFF switch. When the ESP OFF switch is pressed, the ESP function is deactivated and the ESP OFF indicator lamp is turned off. Therefore, the vehicle can be driven independently from the sensor outputs. However, the ABS function is still available.

► ESP OFF indicator**► ESP ON indicator/warning lamp**

(3) 4WD LOCK switch**► 4WD LOCK indicator****► 4WD AUTO mode (normal)**

This provides a slip control for the rear wheels depending on the driving conditions such as stationary, straight-line motion or cornering motion.

► 4WD LOCK mode (4WD LOCK switch pressed)

- In 4WD LOCK mode, the 4WD LOCK control works in the same way as the AUTO mode, but it increases the driving force to the rear wheels more than in AUTO mode.
- If the rear wheel speed is over 40 km/h, the vehicle enters into the 4WD AUTO mode automatically. If it is below 40 km/h, the vehicle returns to the 4WD LOCK mode.

► 4WD LOCK mode (4WD LOCK switch pressed)

4WD LOCK switch	Vehicle speed	Drive mode
Deactivated (4WD AUTO)	Unlimited	4WD AUTO
Activated (4WD LOCK)	40 km/h or higher	4WD AUTO
Activated (4WD LOCK)	Below 40 km/h	4WD LOCK

Modification basis	
Application basis	
Effect from VIN	

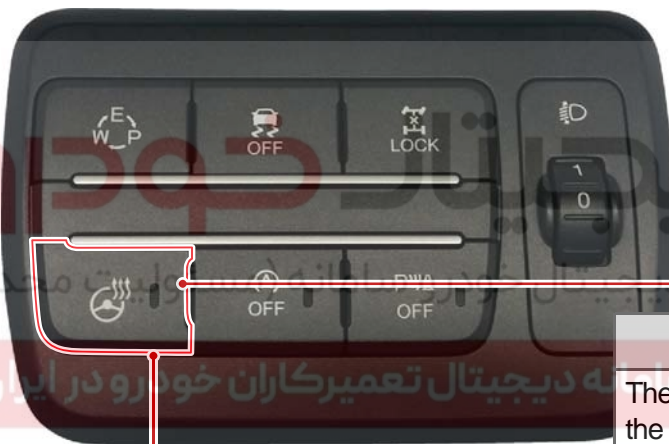
SWITCH

TIVOLI 2015.06

**NOTE**

4WD: 4WD stands for Four Wheel Drive and drives all the wheels to maximize the vehicle's driving force on the unpaved road, rough road, steep hills, sandy or muddy road for enhanced driving performance.

Electric AWD (All Wheel Drive): 4-wheel drive is an electric drive system in which the vehicle is usually driving in 2WD mode but, if the vehicle determines that 4WD is needed because of the differences in slip and cornering between front and rear wheels, road gradient and etc., it is switched to 4WD automatically by the E-coupling control unit.

(4) Steering wheel warmer switch**Steering wheel warmer switch**

Steering wheel warmer indicator lamp


Steering wheel warmer switch

The steering wheel warmer switch receives the signal voltage (5 V) from the steering wheel heated wire controller, which is built in the steering wheel, and turns on the indicator lamp on it. The indicator on the switch is used as an operating signal for the steering wheel heating system.



(5) ISG OFF switch


ISG OFF switch



ISG OFF switch

When the ISG OFF switch is pressed, the message "AUTO STOP System OFF" appears for 5 seconds on the instrument cluster display and the ISG is deactivated.

Instrument cluster display



NOTE

- The ISG is not activated when the ISG operating conditions are not met even if the ISG OFF switch is not pressed.
- Refer to "ISG SYSTEM" for ISG operating conditions.

FUSE

BCM

SKM

INSTRUMENT

SWITCH

LAMP

WIPER AND

AVN

MP3 AUDIO

LCD AUDIO

ISG SYSTEM

Modification basis	
Application basis	
Approved by	

SWITCH

TIVOLI 2015.06

(6) PAS front sensor OFF switch**PAS front sensor OFF switch****PAS front sensor OFF switch**

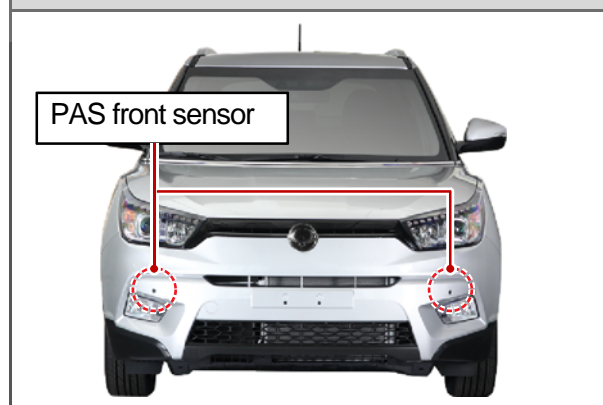
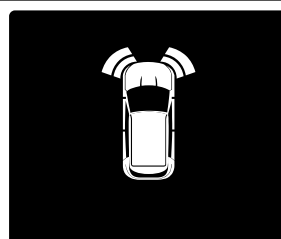
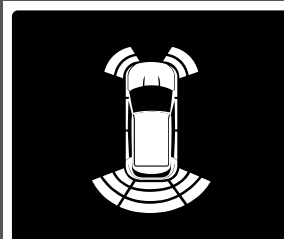
Pressing the switch turns off the beeping when the front parking aid sensors are activated.

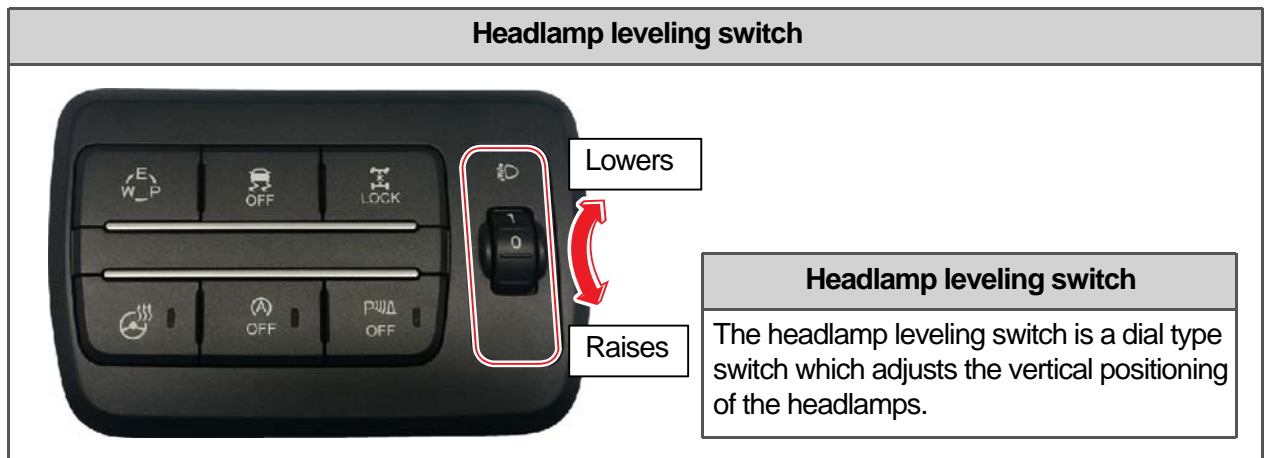
**NOTE**

Front obstacle detection warning mode is activated only at the speed of 10 km/h or lower.

**► PAS front sensor OFF switch**

When the switch is pressed, the LED on the switch is turned on and no sound is heard even if obstacles in front of the vehicle are detected. However, the detection is displayed on the LCD screen of the instrument cluster.

PAS front sensor location**Instrument cluster display****When driving forward (D)****When driving backward (R)**

(7) Headlamp leveling switch**► Headlamp leveling switch**

The angle of the headlamp beam varies depending on the load carried by the vehicle. This device allows the headlamp leveling actuator to adjust the vertical positioning of the headlamp in 4 stages (level 0 to 3)

depending on the electrical signal when the headlamp leveling switch is operated by the driver, in order to compensate for the aiming angle variation due to the vehicle load change.

- To raise the level of headlamp: rotate the button downward (level 0 direction)
- To lower the level of headlamp: rotate the button upward (level 3 direction)

► Adjusting aiming level (weight per person: 75 kg)

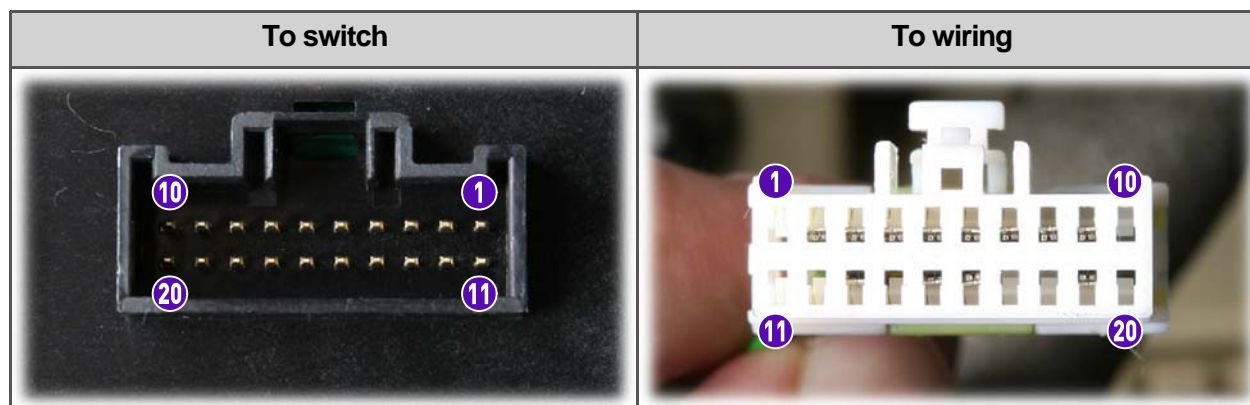
Level 0	Level 1		Level 2	Level 3
Driver only/ Driver + 1 front passenger (normal driving condition)	Driver only/ Driver + 1 front passenger with 90 kg luggage loading	4 to 5 passengers (including driver)	4 to 5 passengers (including driver) with 100kg luggage loading	Driver only with 400kg luggage loading

Modification basis	
Application basis	
Accessories	

SWITCH

TIVOLI 2015.06

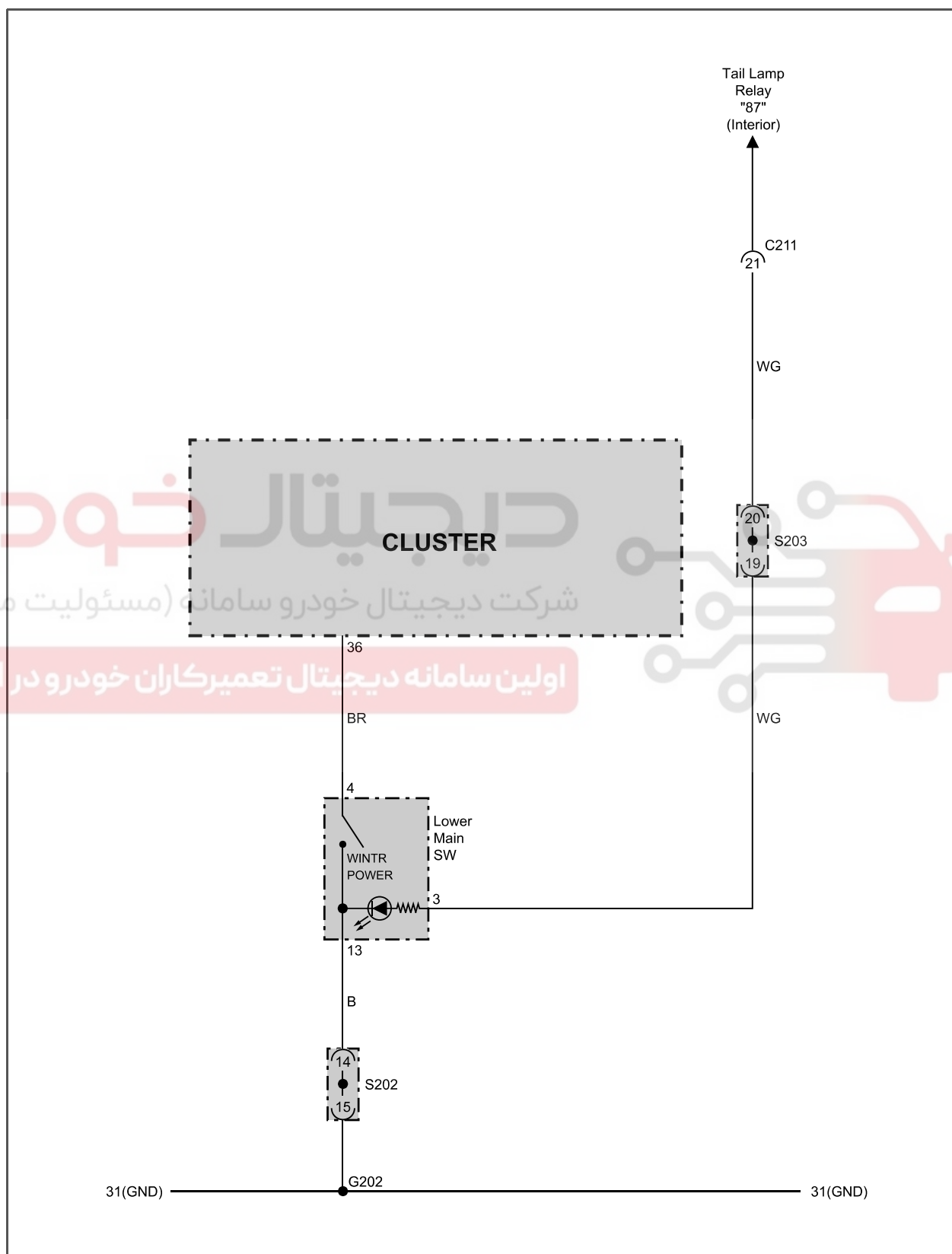
4) Connector



Pin No.	Function	Pin No.	Function
1	-	11	-
2	IGN +	12	-
3	Tail lamp relay "87" (Interior)	13	Ground
4	WINTER/POWER mode switch signal	14	-
5	Front PAS OFF switch indicator lamp	15	Steering wheel warmer switch indicator
6	Front PAS OFF switch signal	16	Steering wheel warmer switch signal
7	ESP OFF switch signal	17	ISG OFF indicator
8	Headlamp leveling switch power	18	ISG OFF switch signal
9	Headlamp leveling switch signal	19	4WD LOCK switch signal
10	-	20	-

5) Circuit Diagram

(1) Driving mode switch

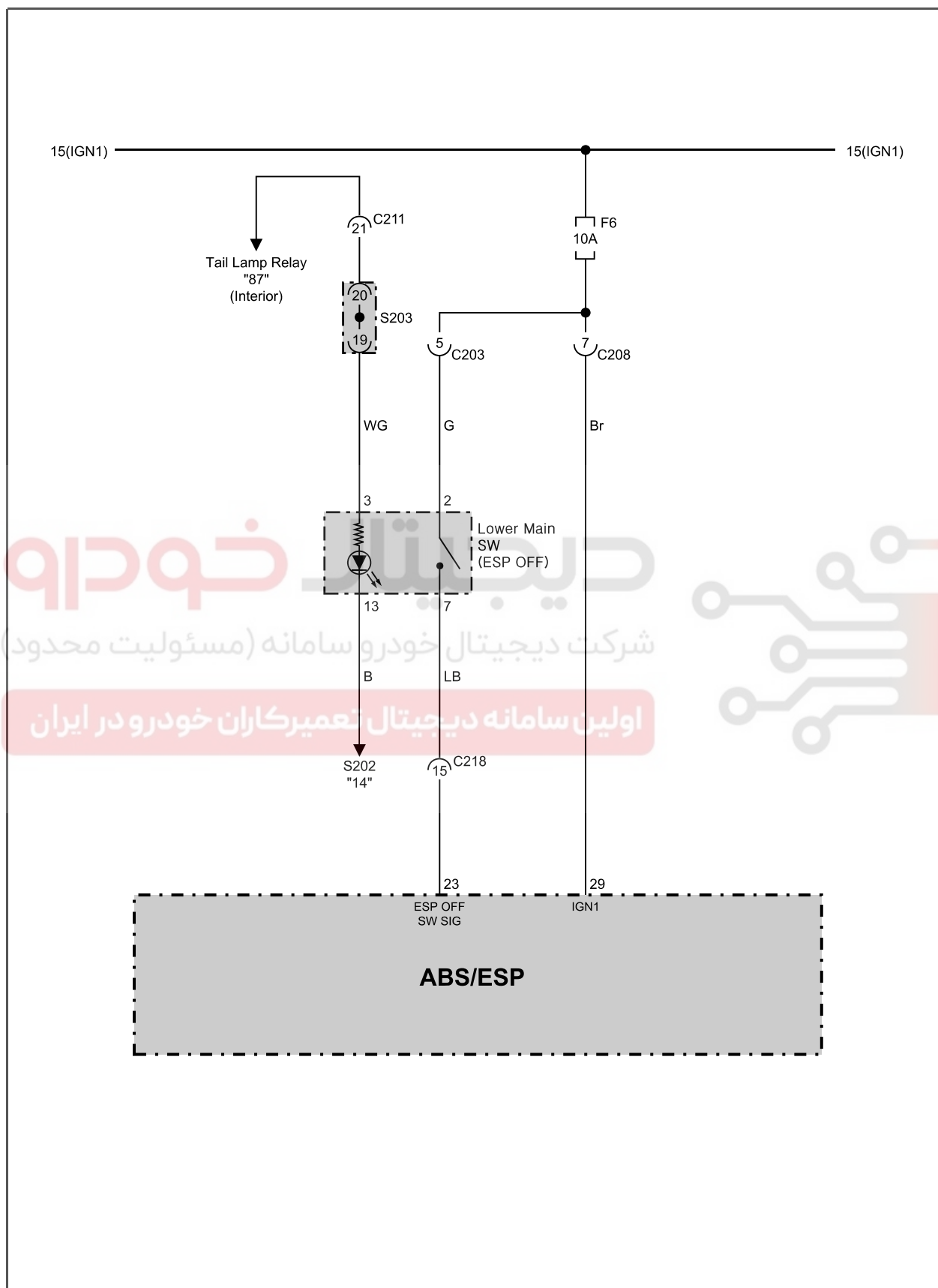


Modification basis	
Application basis	
Approved by	

SWITCH

TIVOLI 2015.06

(2) ESP OFF switch



SWITCH

TIVOLI 2015.06

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92

FUSE

CM

SKM

NSTRUM

SWITCH

LAMP

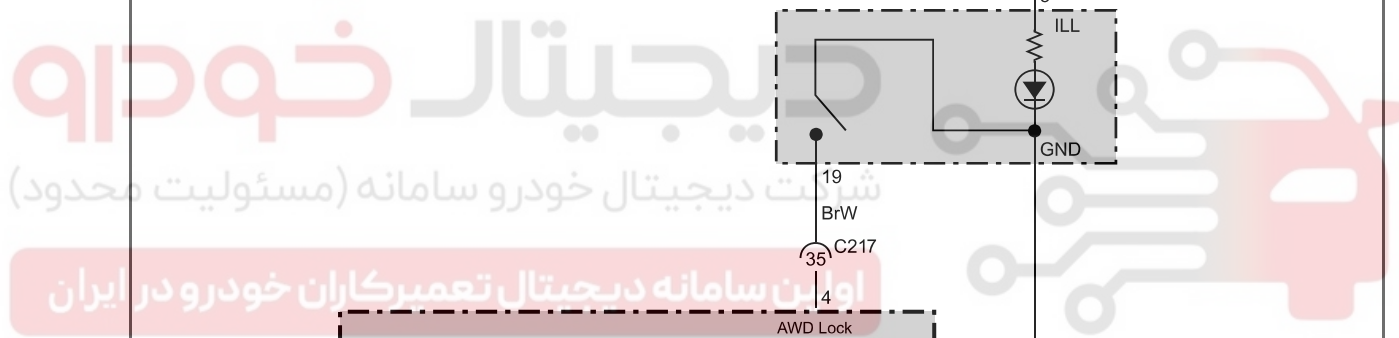
WIPER

AVN

MP3

LCD

ISG



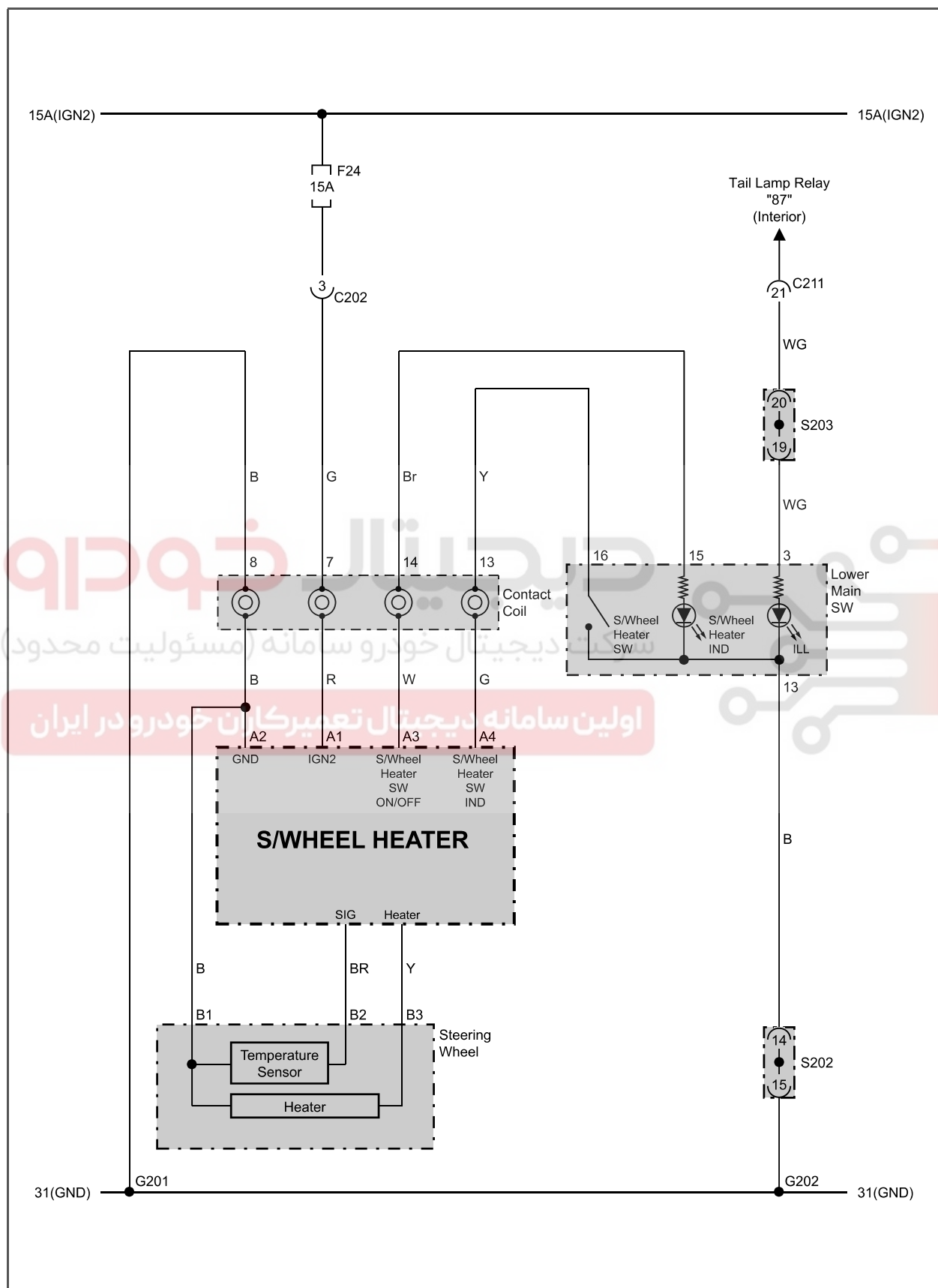
Modification basis	
Application basis	
Affected VIN	

DIGITALKHODR

SWITCH

TIVOLI 2015.06

(4) Steering wheel warmer switch

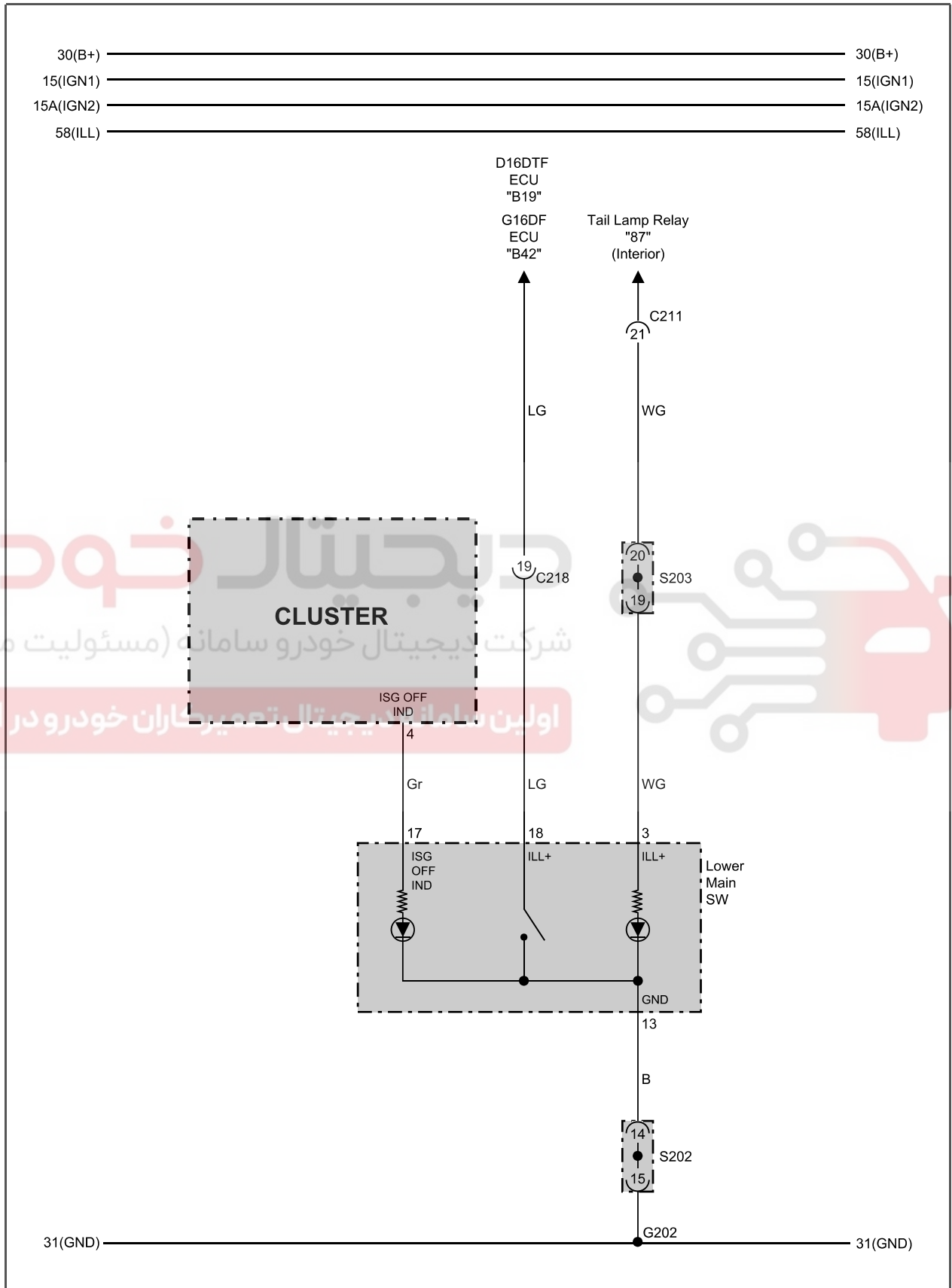


SWITCH

TIVOLI 2015.06

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92

(5) ISG OFF switch

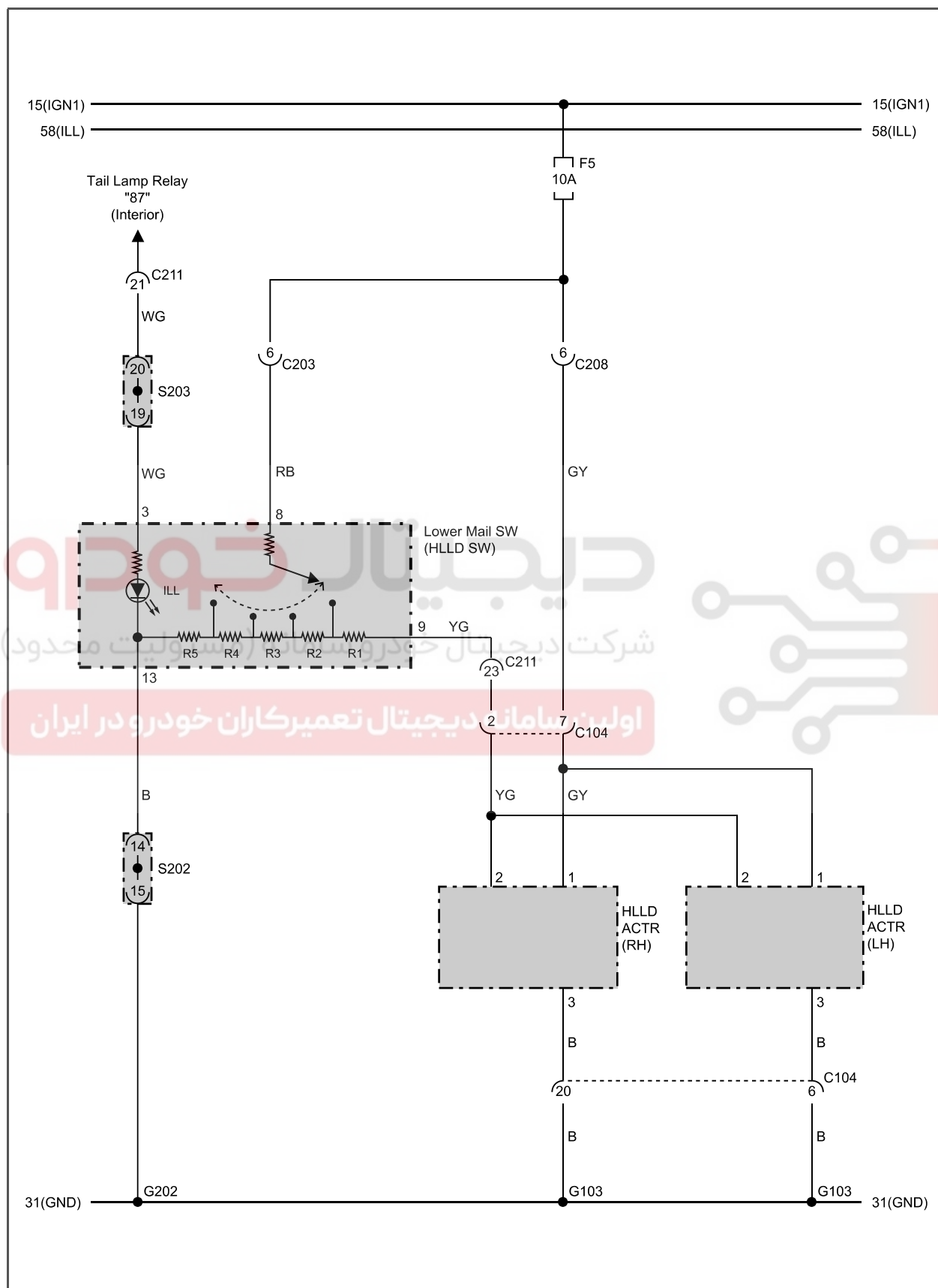


Modification basis	
Application basis	
Accessories	

SWITCH

TIVOLI 2015.06

(6) Headlamp leveling switch



SWITCH

TIVOLI 2015.06

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92

S.G.N.

8530-01

MULTIFUNCTION TURN SIGNAL LAMP SWITCH

1) Overview

The multifunction turn signal lamp switch turns on or off the headlamps (high beam, low beam), tail lamps, fog lamps, turn signal lamps, license plate lamps, and other interior lights. The BCM controls the various lamps including the headlamps, tail lamps, AUTO lights, fog lamps by using the operation signals from the multifunction turn signal lamp switch. The AUTO light control system is to turn on or off the tail lamps and headlamps automatically. The AUTO light sensor unit for the system is installed behind the ECM mirror on the top center of the windshield glass. This sensor unit detects the ambient brightness and automatically turns on or off the tail lamps and headlamps when the multifunction turn signal lamp switch is move to the AUTO position.

2) Mounting Location and Components

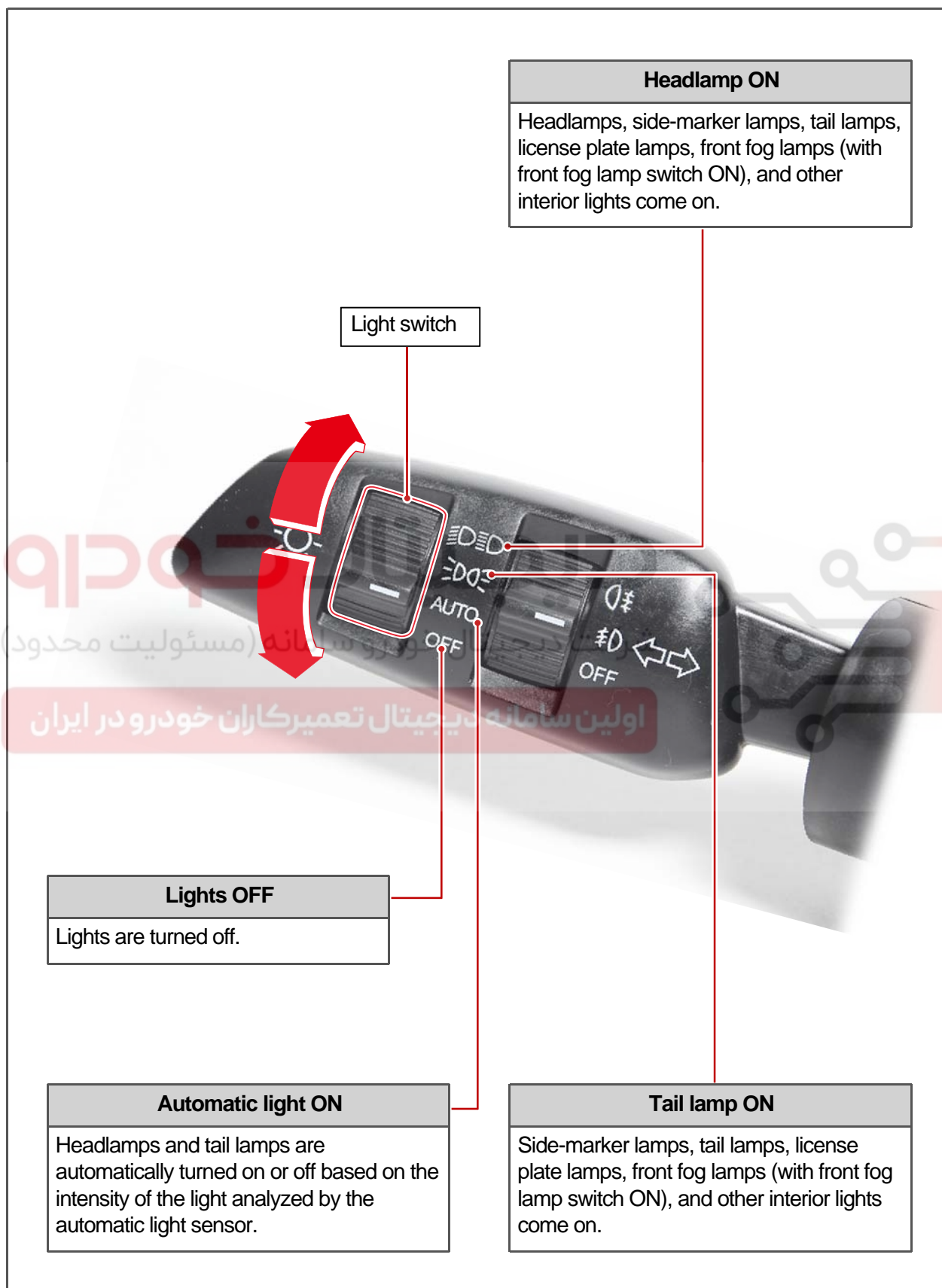


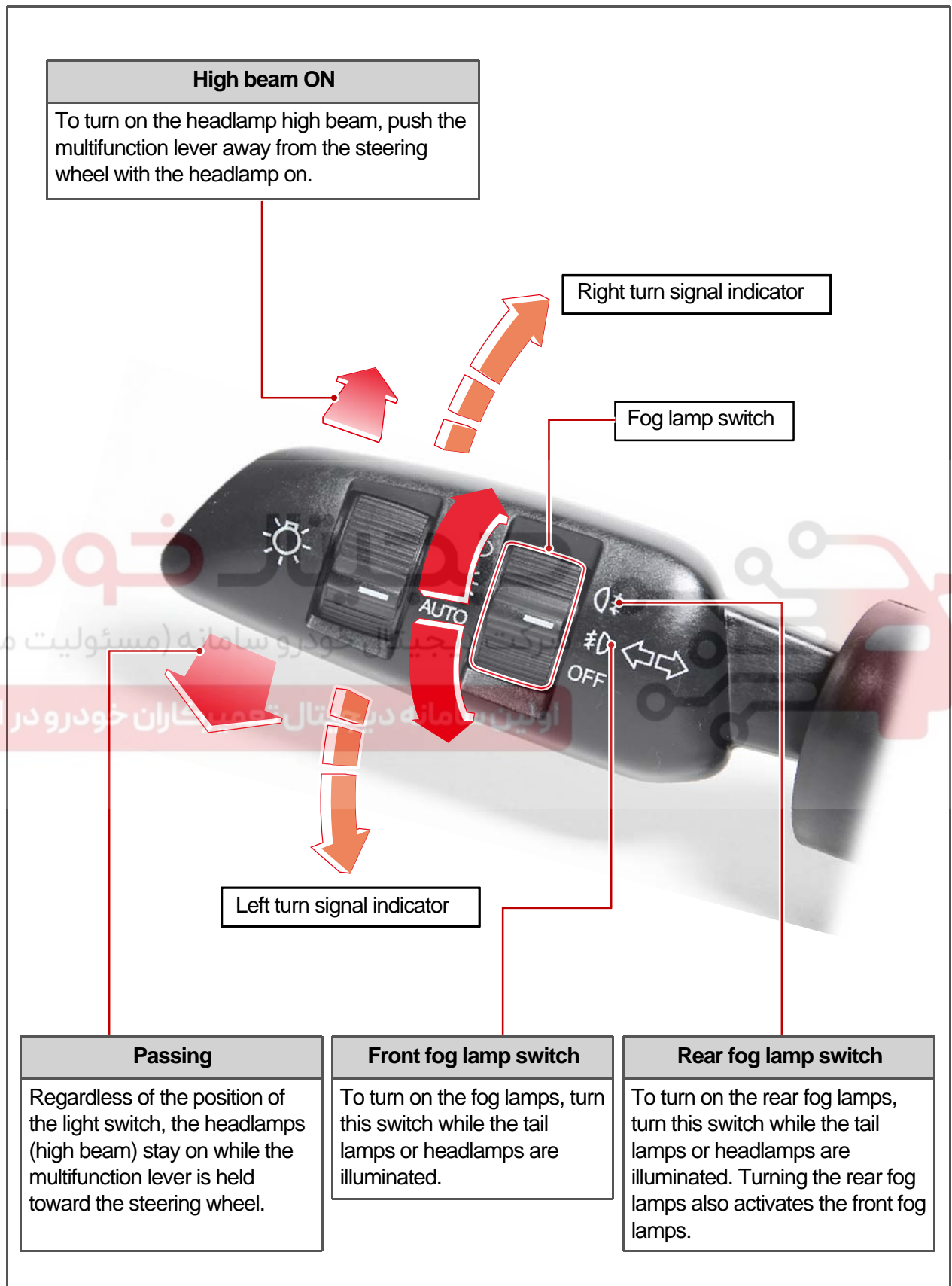
Modification basis	
Application basis	
Accessories	

SWITCH

TIVOLI 2015.06

3) Operating Process



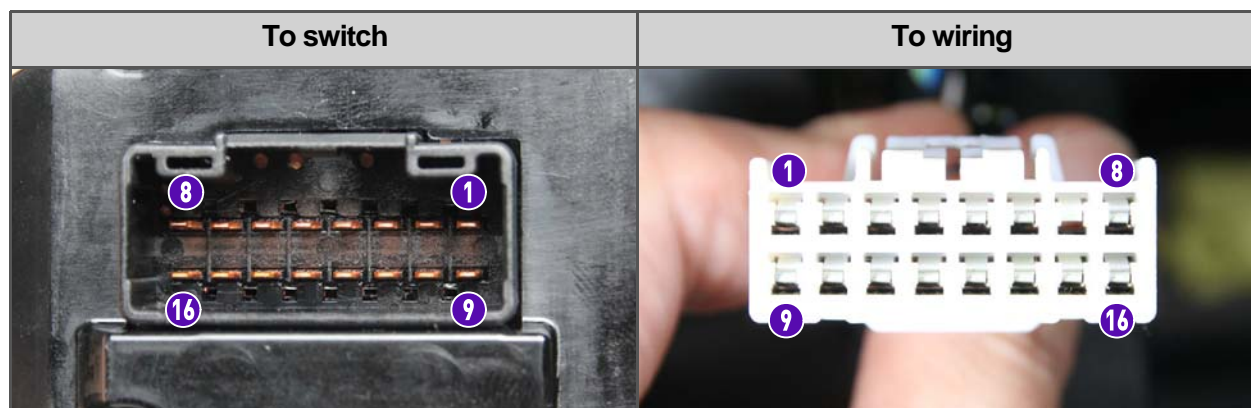


Modification basis	
Application basis	
Approval basis	

SWITCH

TIVOLI 2015.06

4) Connector



Pin No.	Function	Pin No.	Function
1	Ground (turn signal lamp)	9	Left turn signal indicator signal
2	Right turn signal indicator signal	10	Ground (light/fog lamps/hazard warning lamp)
3	Headlamp switch (passing)	11	-
4	Headlamp high beam signal (passing)	12	Headlamp switch signal (passing)
5	Ground (dimmer)	13	Tail lamp switch signal
6	Headlamp high beam signal (dimmer)	14	AUTO light switch signal
7	-	15	Rear fog lamp switch signal
8	Headlamp switch (passing)	16	Front fog lamp switch signal

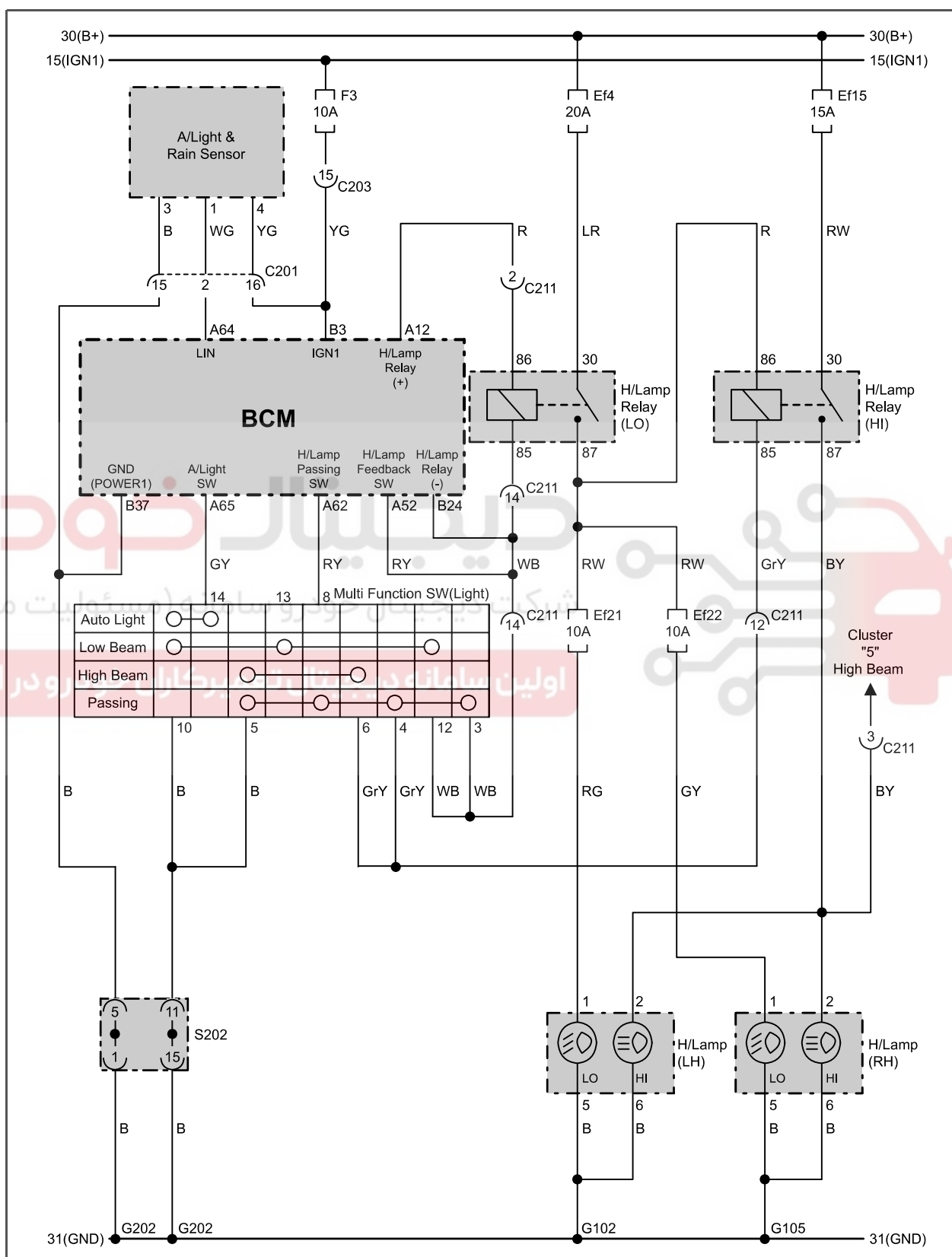
SWITCH

TIVOLI 2015.06

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92

5) Circuit Diagram

(1) Headlamp (AUTO light, low beam, high beam, passing)



FUSE

CM

SKM

NSTRUM
ENT

SWITCH

LAMP

WIPE
AND

AVN

MP3
AUDIOLCD
AUDIOISG
SYSTEM

Modification basis	
Application basis	

DIGITALKHO

SWITCH

TIVOLI 2015.06

[illegible]

TIVOLI 2015.06

S.G.N.

8530-02 MULTIFUNCTION WIPER SWITCH**1) Overview**

The multifunction wiper switch controls the windshield wipers, windshield washer, rear wiper, and rear washer operations. The functions for the windshield wipers include MIST, OFF, AUTO, LO/HI, washer, and wiper sensitivity, while the functions for the rear wiper include HI/LO, OFF, and washer.

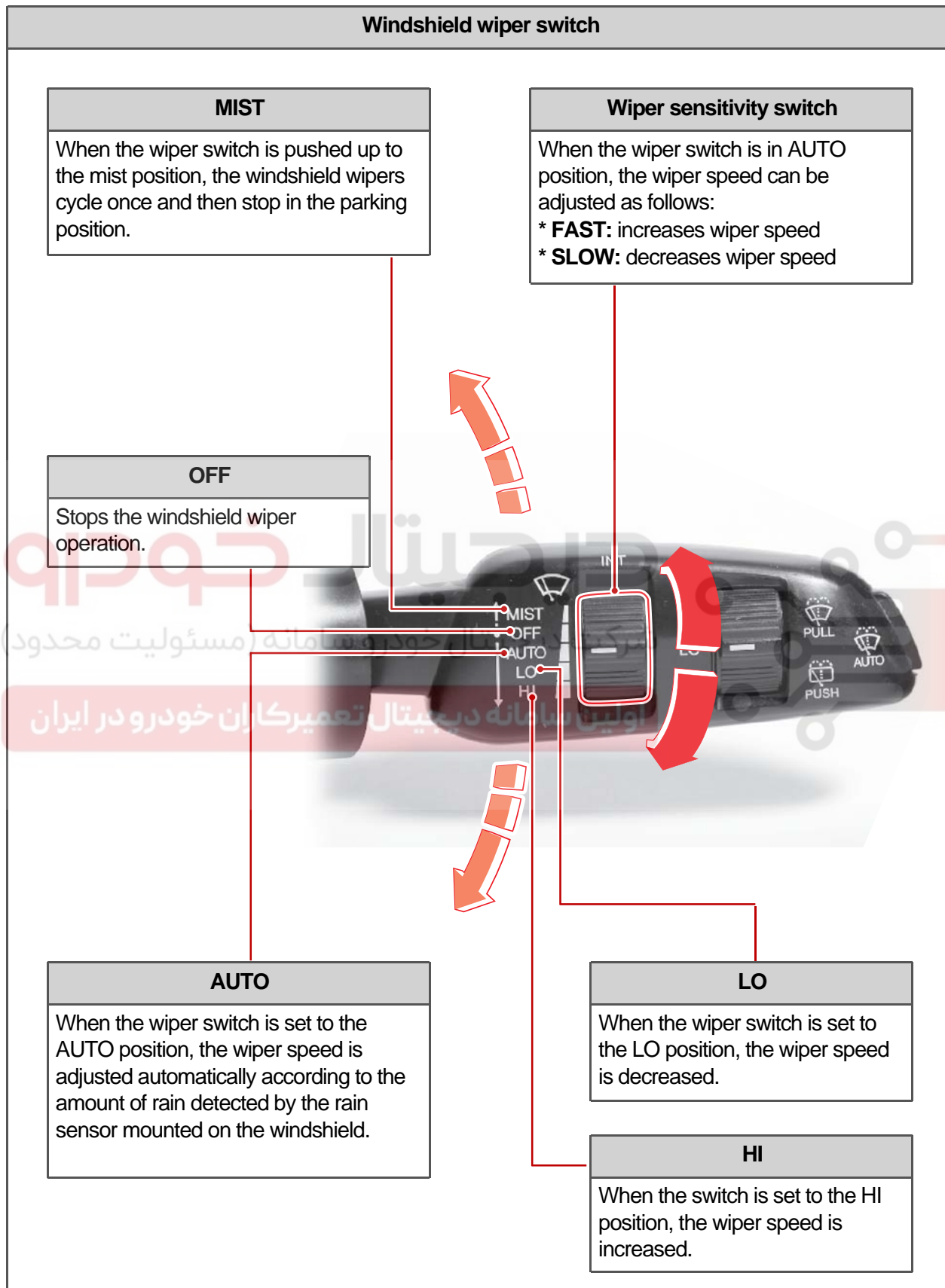
2) Mounting Location and Components**Multifunction wiper switch**

Modification basis	
Application basis	
Life cycle	

SWITCH

TIVOLI 2015.06

3) Operating Process



Rear wiper switch

HI

When the switch is set to the HI position, the rear wiper speed is increased.

LO

When the wiper switch is set to the LO position, the rear wiper speed is decreased.

OFF

Stops the rear wiper operation.

Front auto washer switch

When the AUTO washer switch is pressed, the washer fluid is sprayed once and the wiper cycles 4 times. Then, the fluid is sprayed once again with 3 cycles of the wiper.

Washer coupled with wiper operation switch

Pulled for 0.6 seconds or lower: Wiper cycles once more when the switch is released

Pulled for 0.6 seconds or higher: Wiper cycles three times more when the switch is released

PUSH

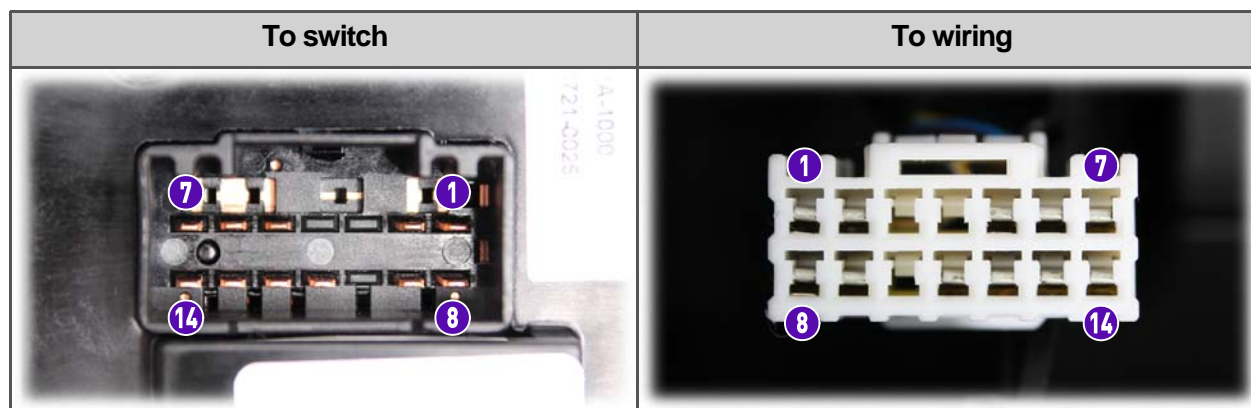
The washer fluid is sprayed and the wiper cycles as long as this switch is pressed. When the switch is released, it returns to the "OFF" position and the wiper and washer operations are deactivated.

Modification basis	
Application basis	
Approval basis	

SWITCH

TIVOLI 2015.06

4) Connector



Pin No.	Function	Pin No.	Function
1	Windshield wiper switch signal 1	8	Rear wiper HI switch signal
2	Windshield wiper switch signal 2	9	Wiper low LO switch signal
3	-	10	-
4	-	11	Ground (rear wiper, AUTO washer)
5	Windshield washer switch signal	12	Wiper volume switch signal
6	Rear washer switch signal	13	AUTO washer switch signal
7	Ground (windshield wiper and washer)	14	Ground (Wiper volume)

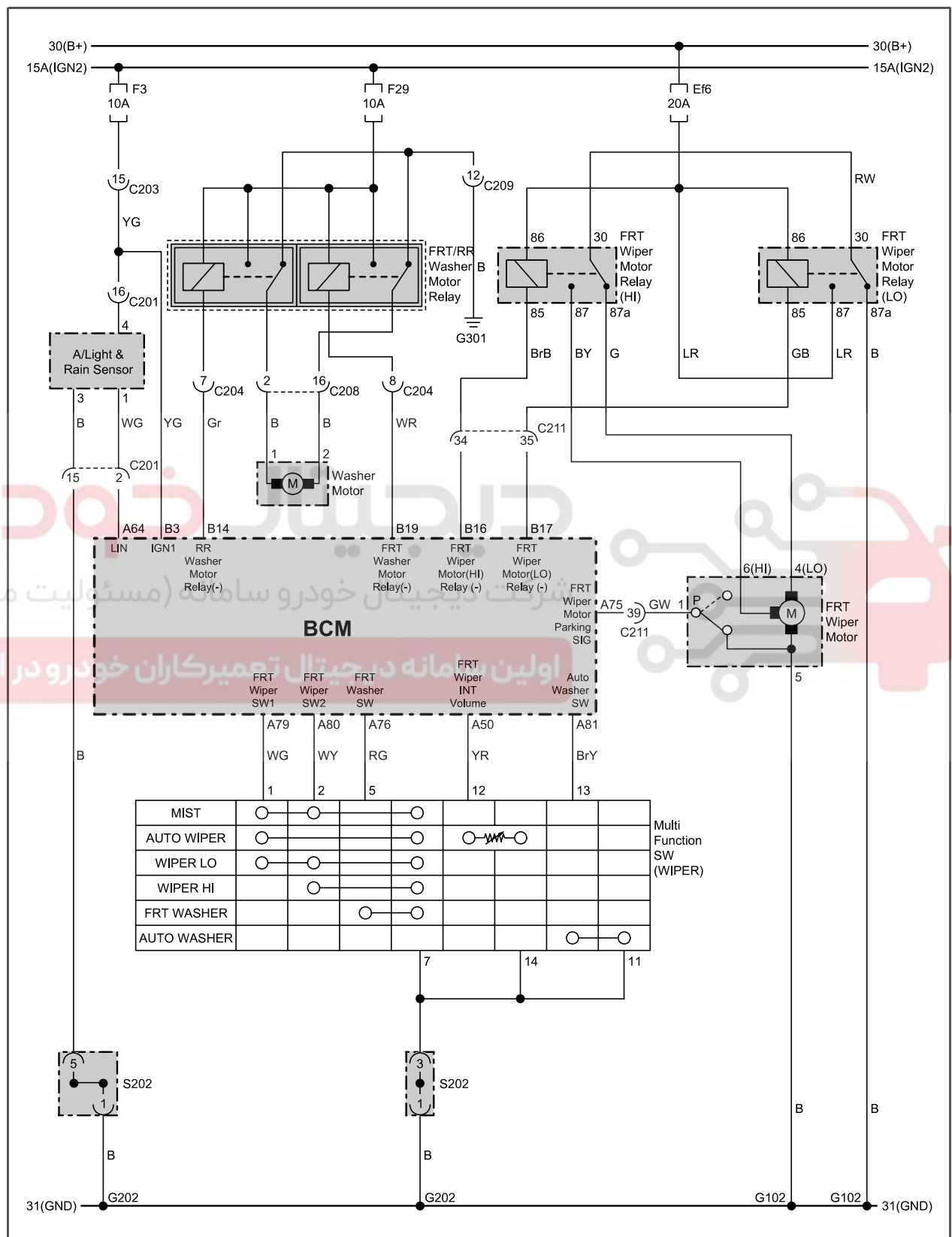
SWITCH

TIVOLI 2015.06

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92

5) Circuit Diagram

(1) Windshield wiper washer

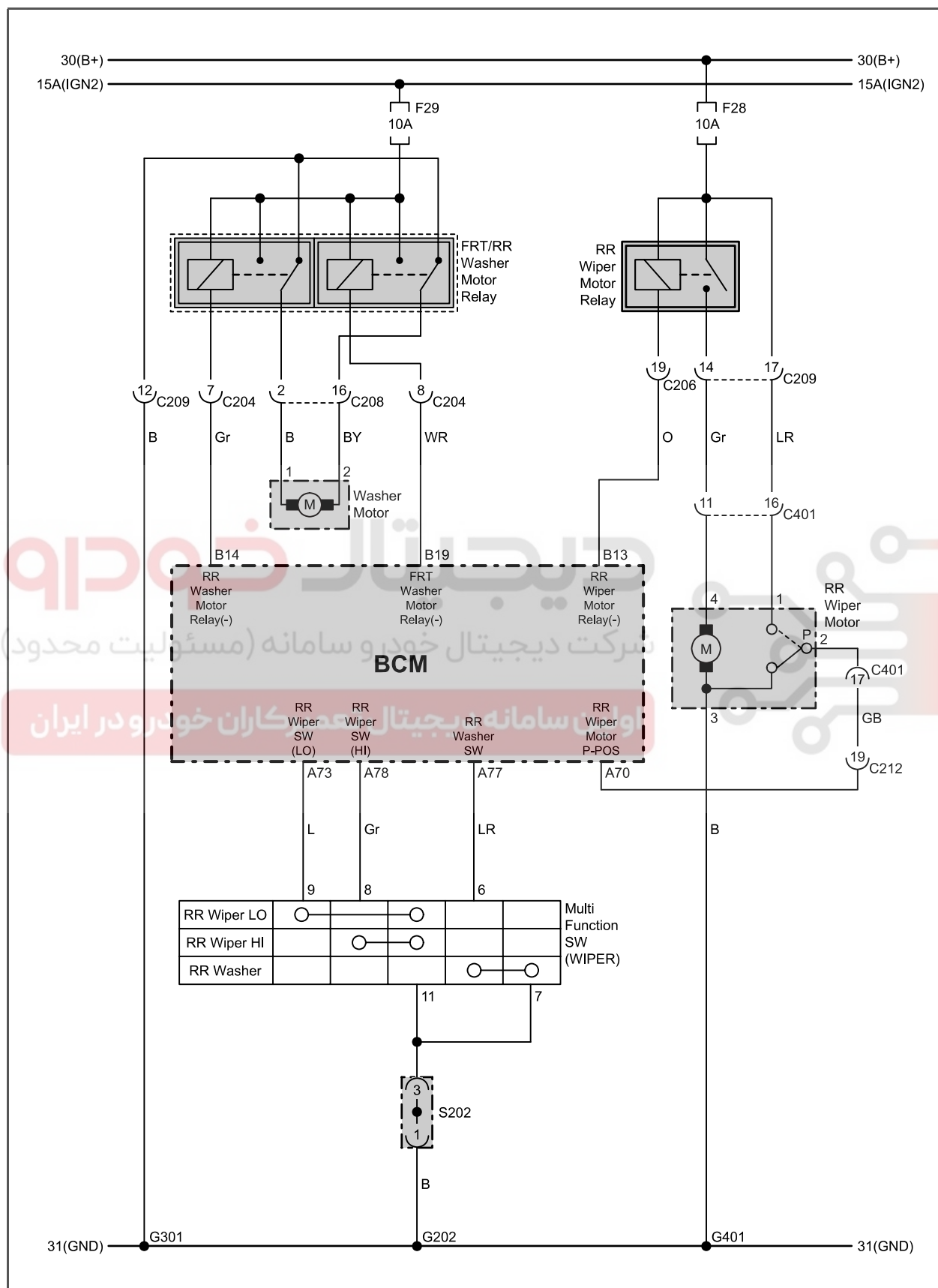


Modification basis	
Application basis	
Approval basis	

SWITCH

TIVOLI 2015.06

(2) Rear wiper washer



SWITCH

TIVOLI 2015.06

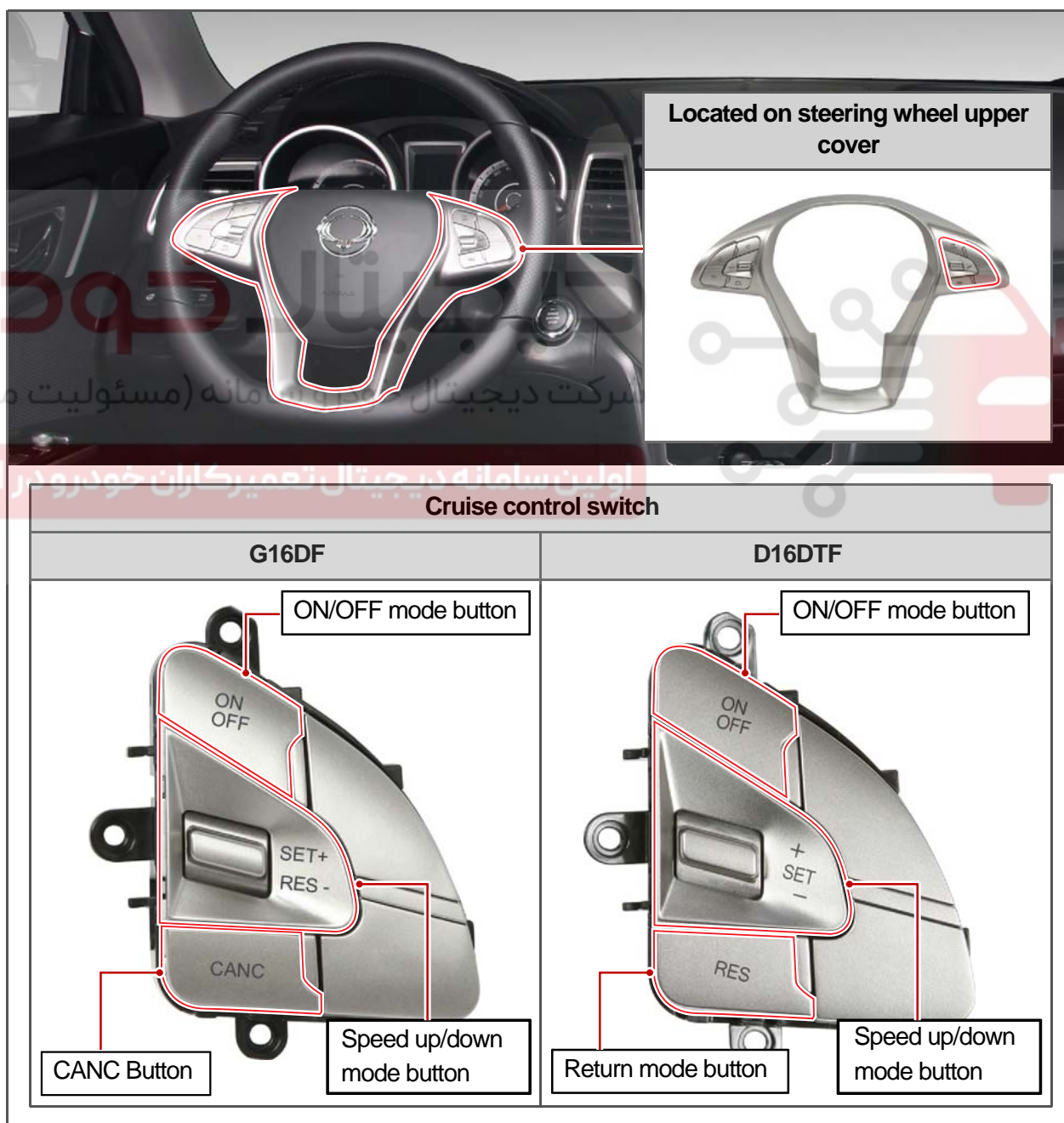
WWW.DIGITALKHODRO.COM

Modification basis	
Application basis	
Affected VIN	021 62 9

S.G.N.

8530-11 CRUISE CONTROL SWITCH ASSEMBLY**1) Overview**

The cruise control switch assembly installed on the right side of the steering wheel controls the cruise control system. While the G16DF cruise control switch consists of the speed up (SET +), speed down (RES -), cruise ON/OFF and deactivation (CANC) modes, the D16DTF cruise control switch speed up/down (SET +/-), cruise ON/OFF and return (RES) modes.

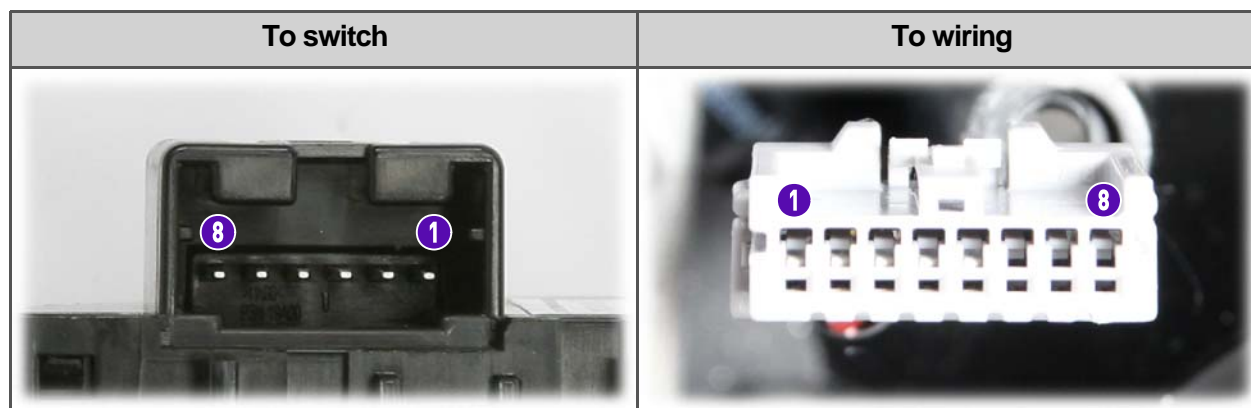
2) Mounting Location and Components

Modification basis	
Application basis	
Approval basis	

SWITCH

TIVOLI 2015.06

3) Connector



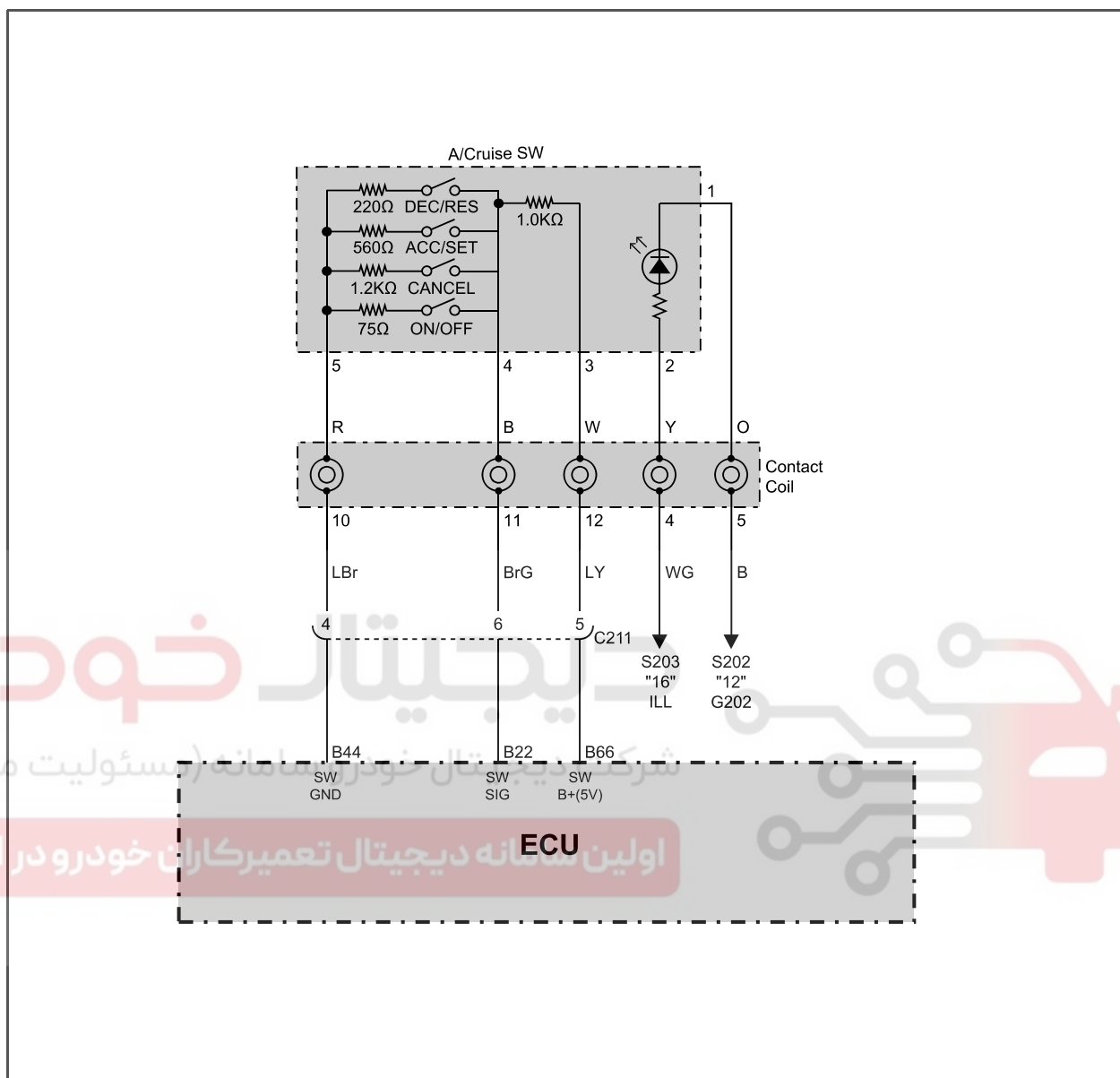
Pin No.	Function	Pin No.	Function
1	ILL -	5	Ground
2	ILL+	6	-
3	Power supply	7	-
4	Cruise control signal	8	-

► Terminal No. 4 (Cruise control signal) voltage change by switch operation

Switch operation	Resistance	Operating voltage
No operation	Approx. 5 V	Approx. 5 V
ON/OFF	$75 \Omega \pm 1\%$	0.15 to 0.55 V
SET+	$560 \Omega \pm 1\%$	1.6 to 2.0 V
RES- (SET-)	$220 \Omega \pm 1\%$	0.7 to 1.1 V
CANCEL (RESUME)	$1.2 K\Omega \pm 1\%$	2.52 to 2.92 V

* G16DF (D16DTF)

4) Circuit Diagram(G16DF)

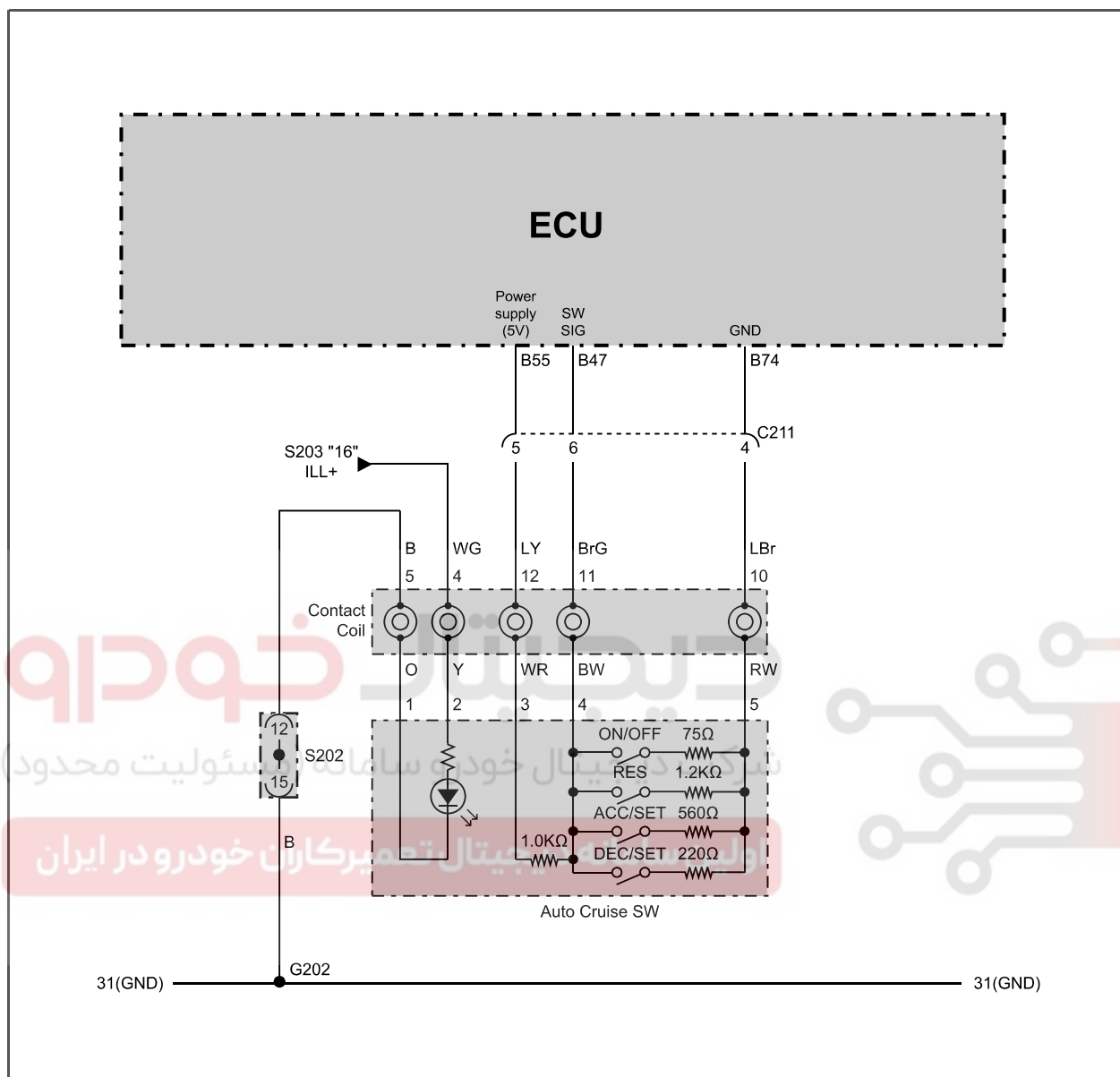


Modification basis	
Application basis	
Accessories	

SWITCH

TIVOLI 2015.06

5) Circuit Diagram(D16DTF)

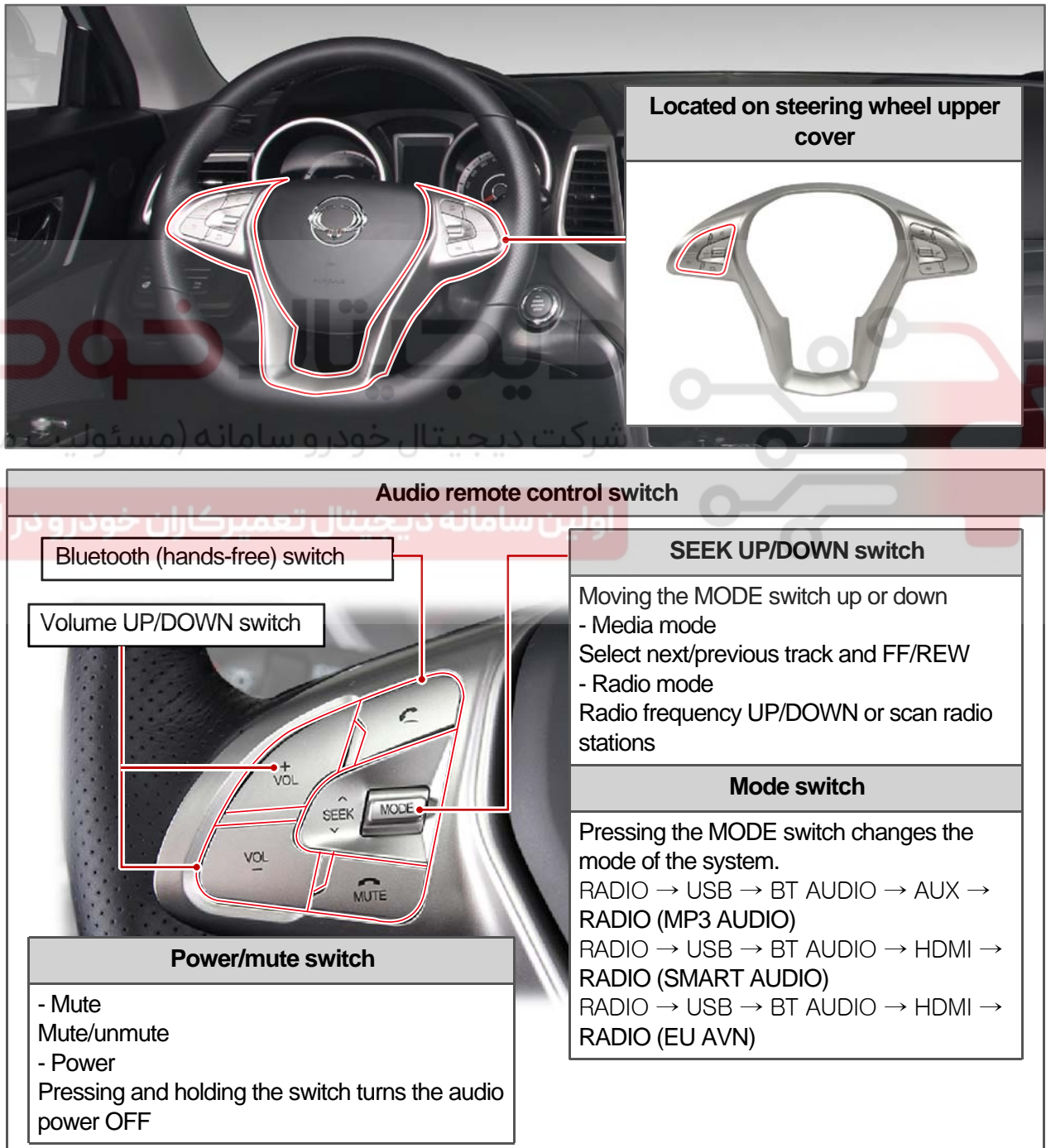


Modification basis	
Application basis	
Affected VIN	021 62 99 92 92

S.G.N.

8530-10 AUDIO REMOTE CONTROL SWITCH ASSEMBLY**1) Overview**

The audio control switch assembly installed on the left side of the steering wheel controls the audio remote control system. The audio remote control switch assembly consists of the Bluetooth handsfree switch, SEEK UP/DOWN switch, volume UP/DOWN switch, audio power switch, and audio operation mode switch.

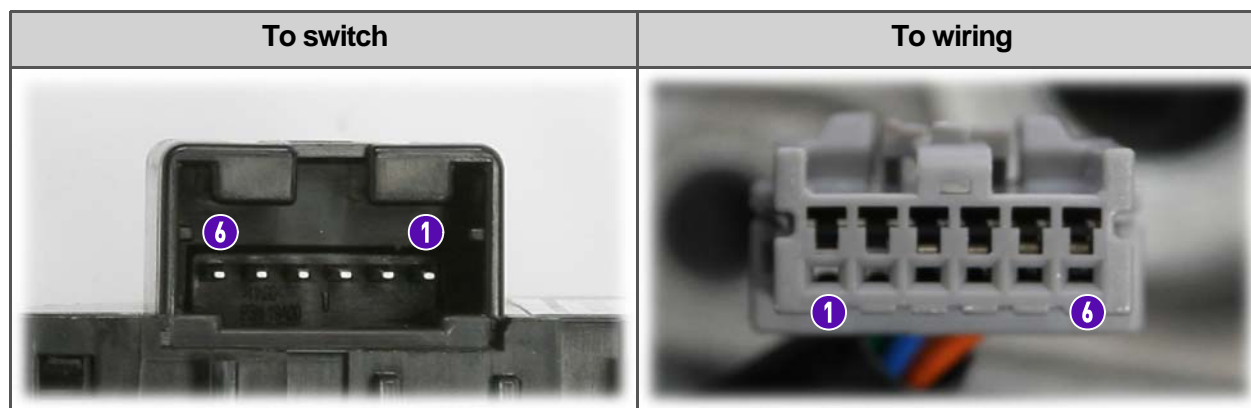
2) Mounting Location and Components

Modification basis	
Application basis	
Approval basis	

SWITCH

TIVOLI 2015.06

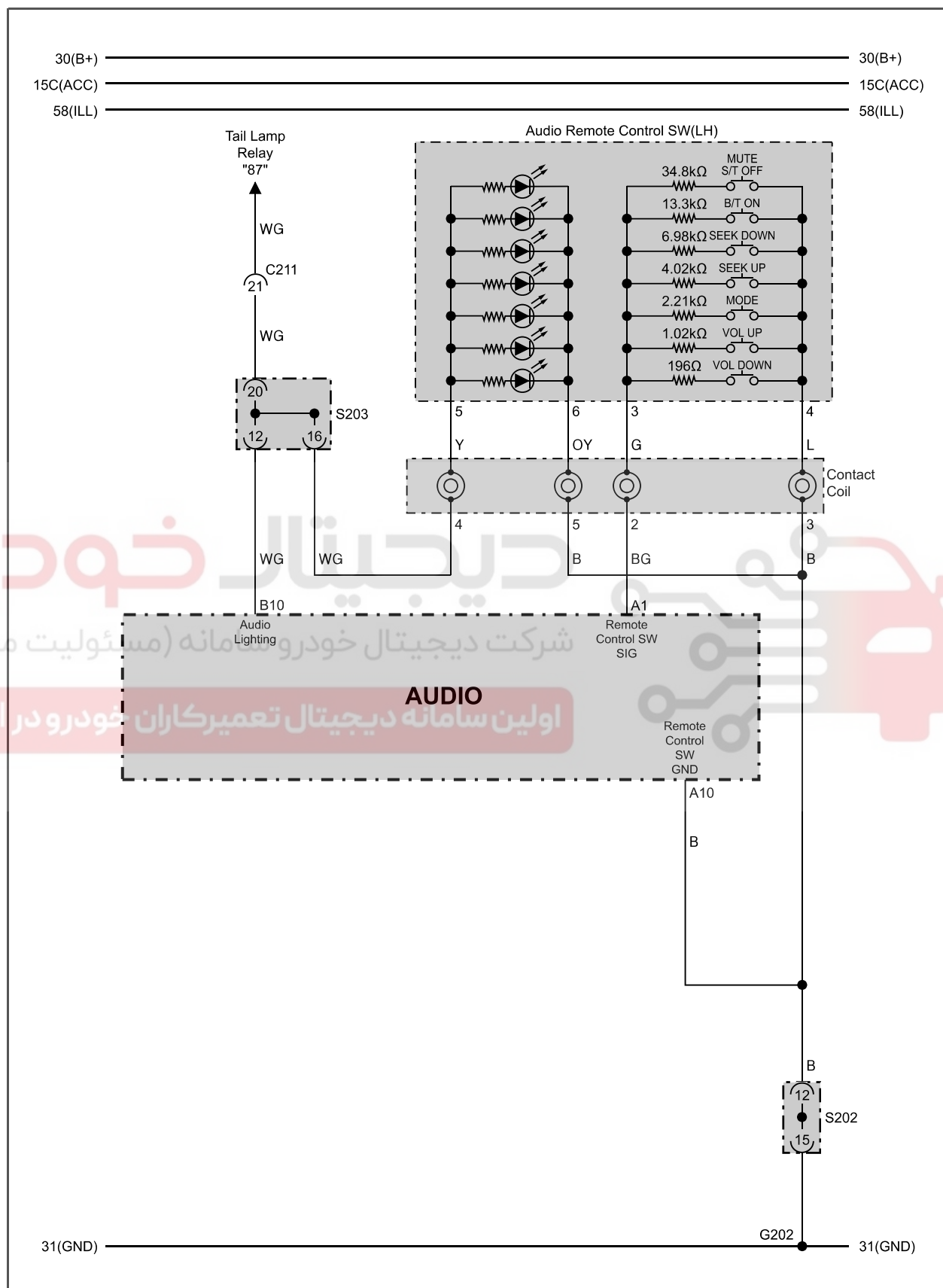
3) Connector



Pin No.	Function	Pin No.	Function
1	-	4	Audio remote control switch signal ground
2	-	5	Illumination power supply
3	Audio remote control switch signal	6	Illumination ground

Switch operation	Resistance	Operating voltage
Volume down	196 $\Omega \pm 1\%$	0 to 0.4 V
Volume up	1.02 K $\Omega \pm 1\%$	0.7 to 1.1 V
Mode	2.21 K $\Omega \pm 1\%$	1.4 to 1.8 V
MUTE	34.8 K $\Omega \pm 1\%$	4.2 to 4.6 V
SEEK up	4.02 K $\Omega \pm 1\%$	2.1 to 2.5 V
SEEK down	6.98 k $\Omega \pm 1\%$	2.8 to 3.2 V
Bluetooth (hands-free) - ON	13.3 K $\Omega \pm 1\%$	3.5 to 3.9 V
Bluetooth (hands-free) - OFF	34.8 K $\Omega \pm 1\%$	4.2 to 4.6 V

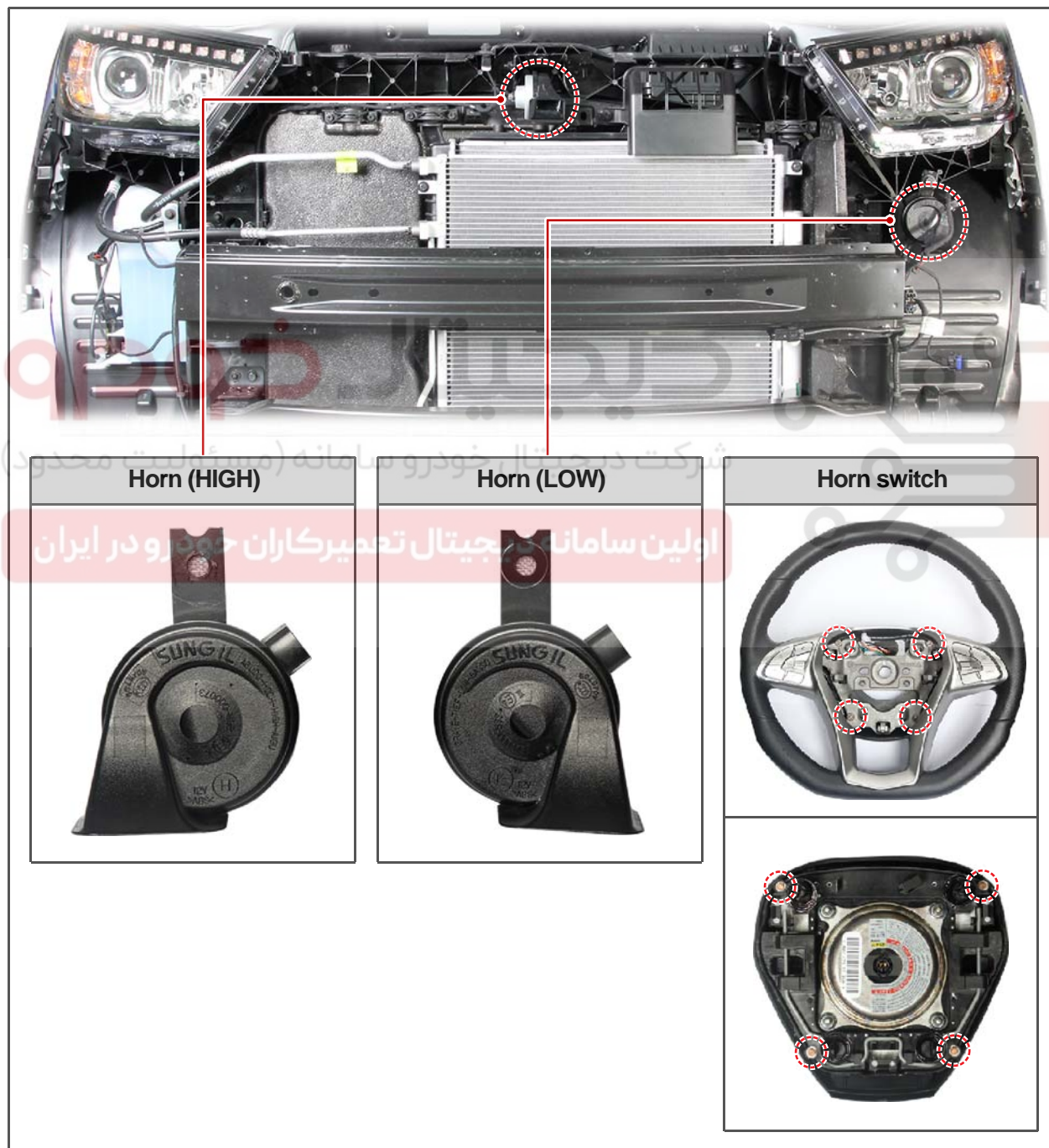
5) Circuit Diagram



S.G.N.

8610-06 HORN ASSEMBLY**1) Overview**

When pressing the horn switch on the steering wheel, the horn relay is switched on, causing the horn sounds.

2) Mounting Location and Components

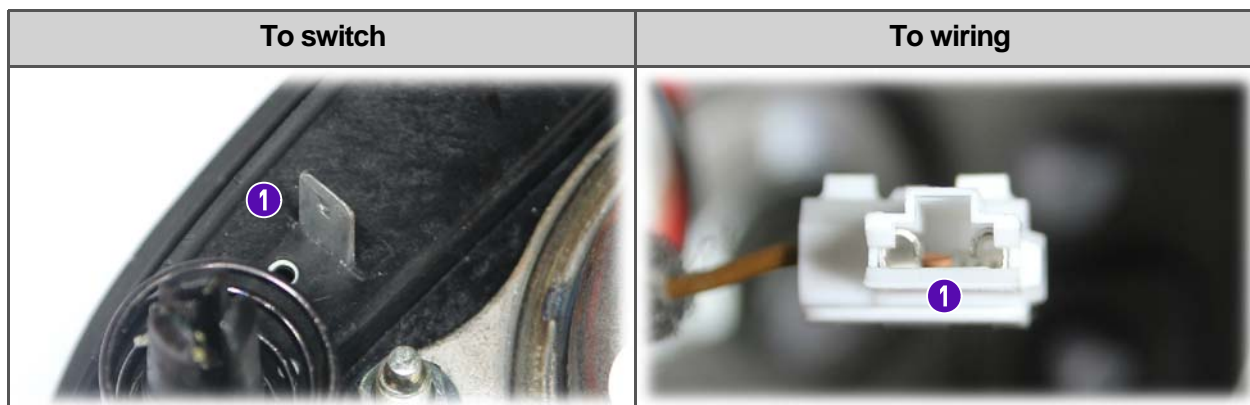
SWITCH

TIVOLI 2015.06

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92

3) Connector

► Horn switch connector



Pin No.	Function
1	Power supply

► Horn connector (HIGH, LOW)



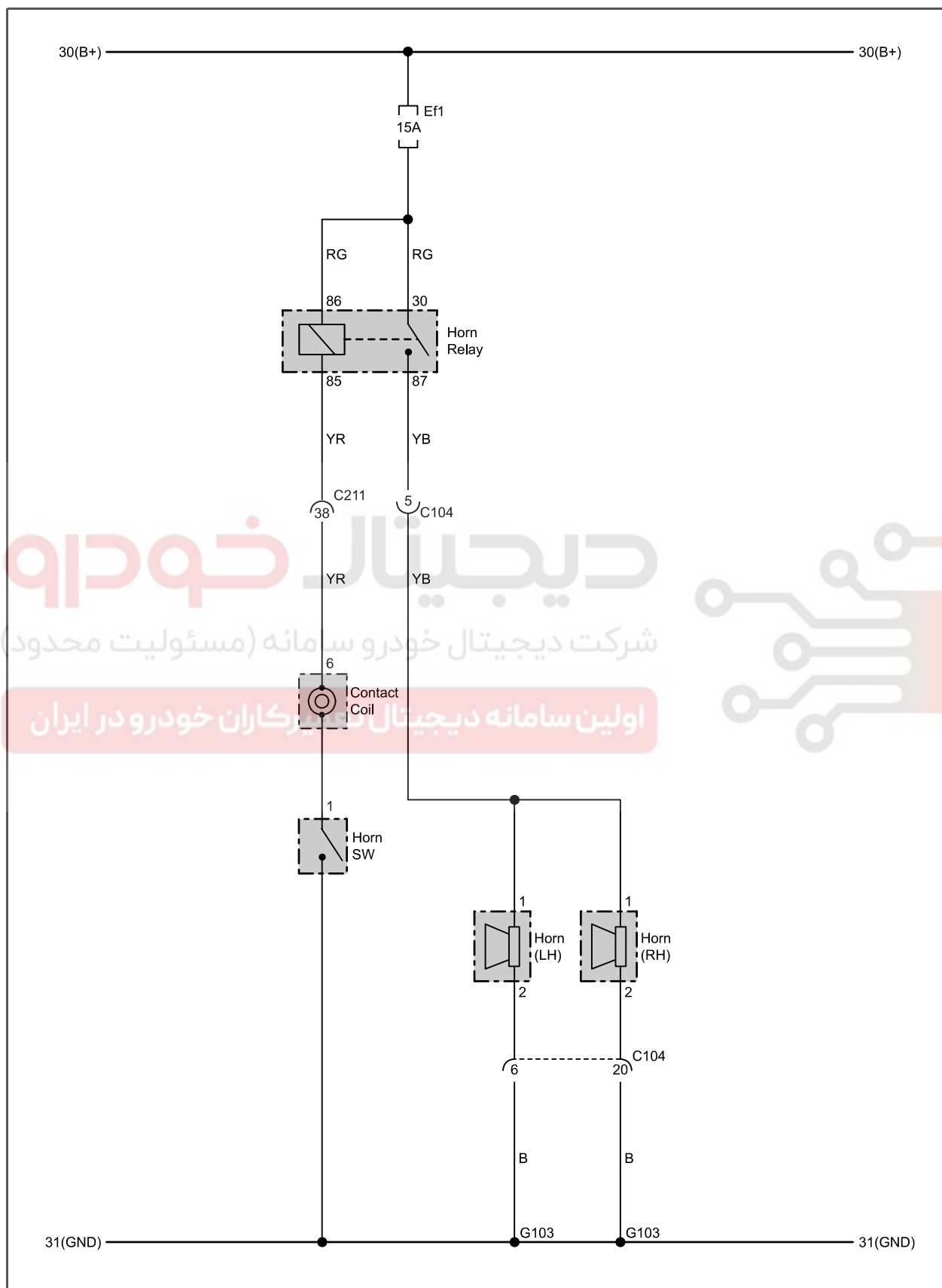
Pin No.	Function	Pin No.	Function
1	Power supply	2	Ground

Modification basis	
Application basis	
Accessories	

SWITCH

TIVOLI 2015.06

5) Circuit Diagram



SWITCH

TIVOLI 2015.06

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Modification basis	
Application basis	
Affected VIN	021 62 9

S.G.N.

7410-26 POWER SEAT SWITCH ASSEMBLY**1) Overview**

The power seat switch assembly is mounted on the bottom left of the driver's seat. Pressing the power seat switch activates the power seat motor which adjusts the seat slide, seatback recline, and cushion height.

2) Mounting Location and Components

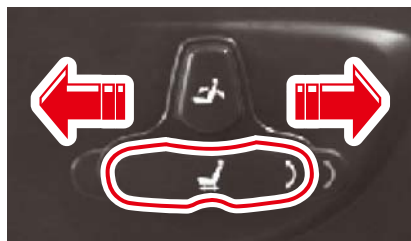
Modification basis	
Application basis	
Approval basis	

SWITCH

TIVOLI 2015.06

3) Operating Process

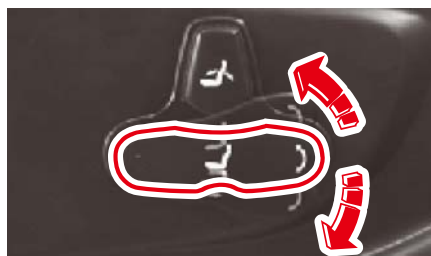
Seat slide adjustment (forward/rearward)



Seatback reclining adjustment



Seat cushion height adjustment

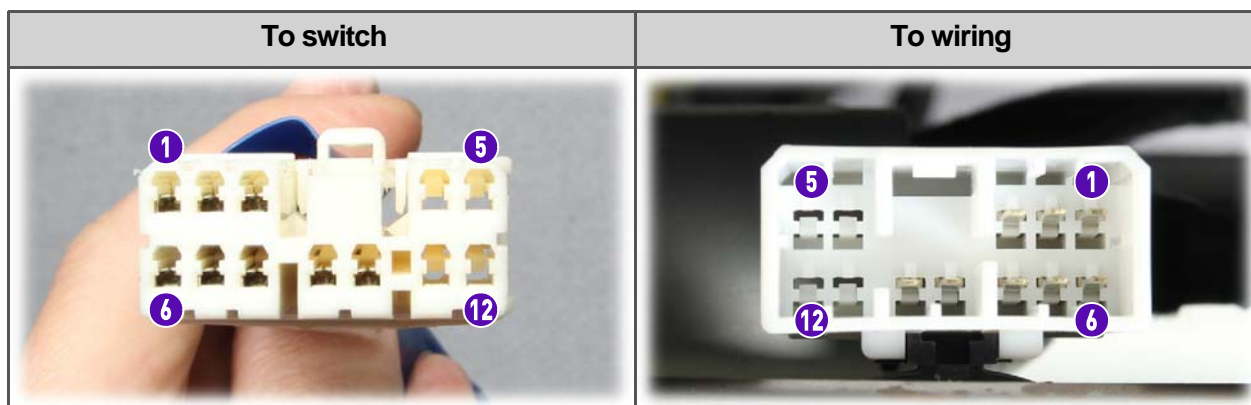


SWITCH

TIVOLI 2015.06

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92

4) Connector



Pin No.	Function	Pin No.	Function
1	Ground	7	Height (Down)
2	Slide (FRT)	8	Recline (FRT)
3	Slide (RR)	9	Recline (RR)
4	-	10	Power supply
5	-	11	-
6	Height (Up)	12	-

دیجیتال خودرو
شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

FUSE

BCM

SKM

INSTRUMENT

SWITCH

LAMP

WIPER AND

AVN

MP3 AUDIO

LCD AUDIO

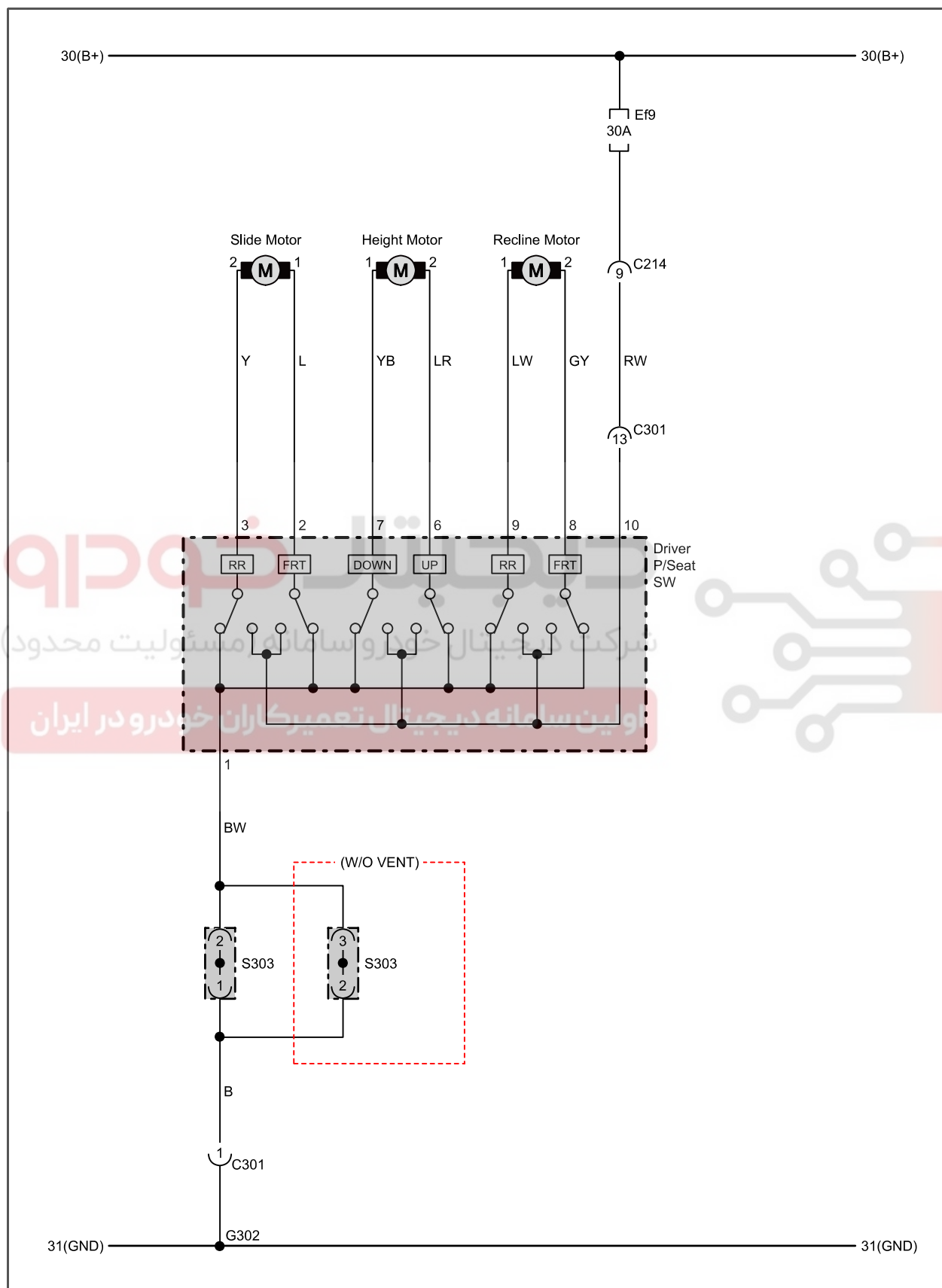
ISG SYSTEM

Modification basis	
Application basis	
Accessories	

SWITCH

TIVOLI 2015.06

5) Circuit Diagram



SWITCH

TIVOLI 2015.06

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92

S.G.N.

8510-01

FRONT SEAT HEATER AND VENTILATION SWITCH ASSEMBLY

1) Overview

The front seat heater and ventilation switch assembly is located at the bottom of the center fascia. The seat heater is adjustable in 2 steps. The ventilation function applies only to the driver's seat and is adjustable in 2 steps.

2) Mounting Location and Components



Front seat heater and ventilation switch

Driver's seat heater and ventilation switch	Passenger's seat heater switch


Modification basis	
Application basis	

SWITCH

TIVOLI 2015.06

3) Operating Process

Front seat heater and ventilation switch



Driver's seat heater and ventilation switch

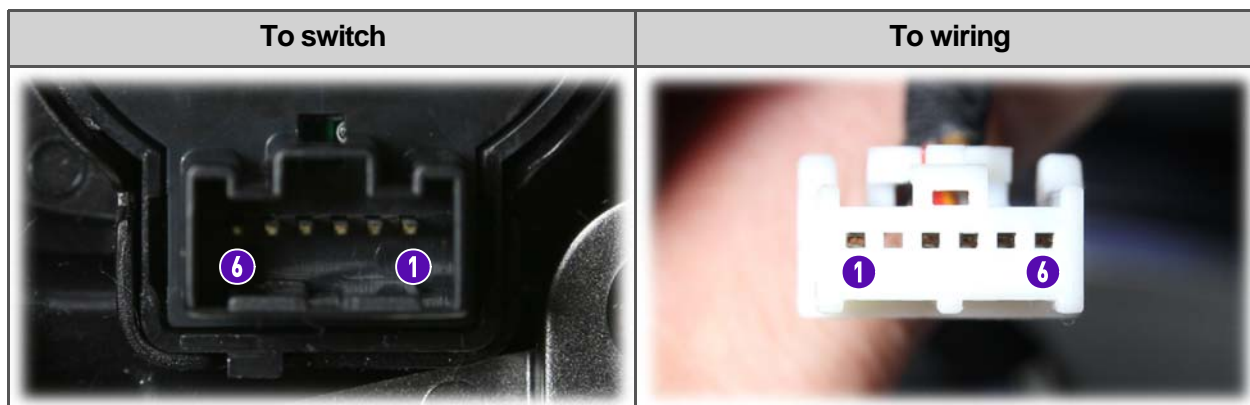
The front seat heater and ventilation switch (dial type) has 3 settings (Level 1 → Level 2 → OFF). Rotating the switch to the left or right heats the seat cushion and seatback or activates the seat ventilation function. The seat heated wire and ventilation unit controls the rpm of the motor for seat ventilation using pulse width modulation (PWM) control.

Passenger's seat heater switch

The thermistor fitted in the seat cuts off or supplies the power to the heated wire in the seatback and seat cushion to maintain a uniform temperature.

4) Connector

► Driver side



Pin No.	Function	Pin No.	Function
1	Ground	4	Heater and ventilation switch signal
2	Ventilation indicator	5	Illumination
3	Heater indicator	6	IGN 1

► Passenger side



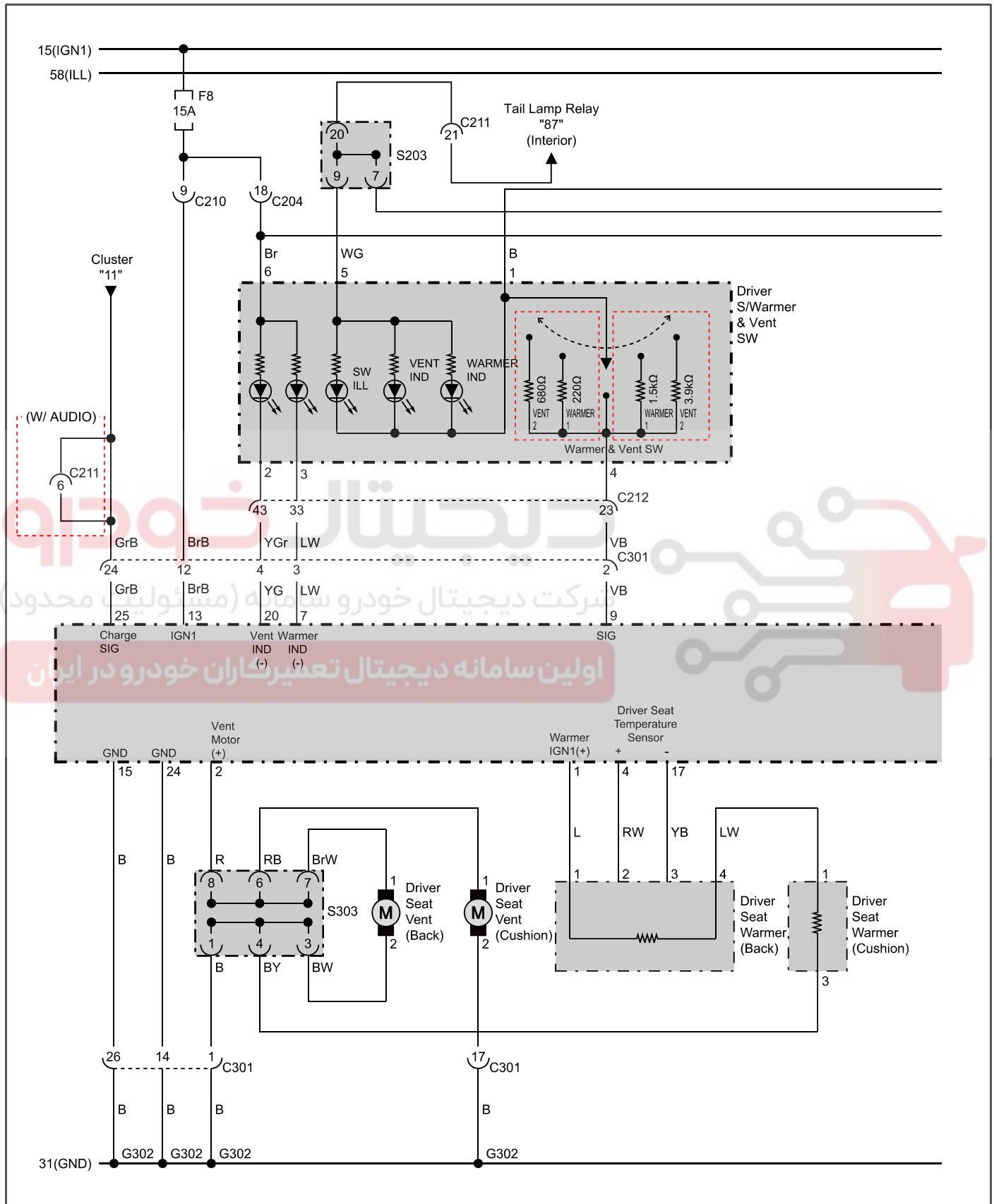
Pin No.	Function	Pin No.	Function
1	Ground	4	Heater switch signal
2	-	5	Illumination
3	Heater indicator	6	IGN 1

Modification basis	
Application basis	
Accessories	

SWITCH

TIVOLI 2015.06

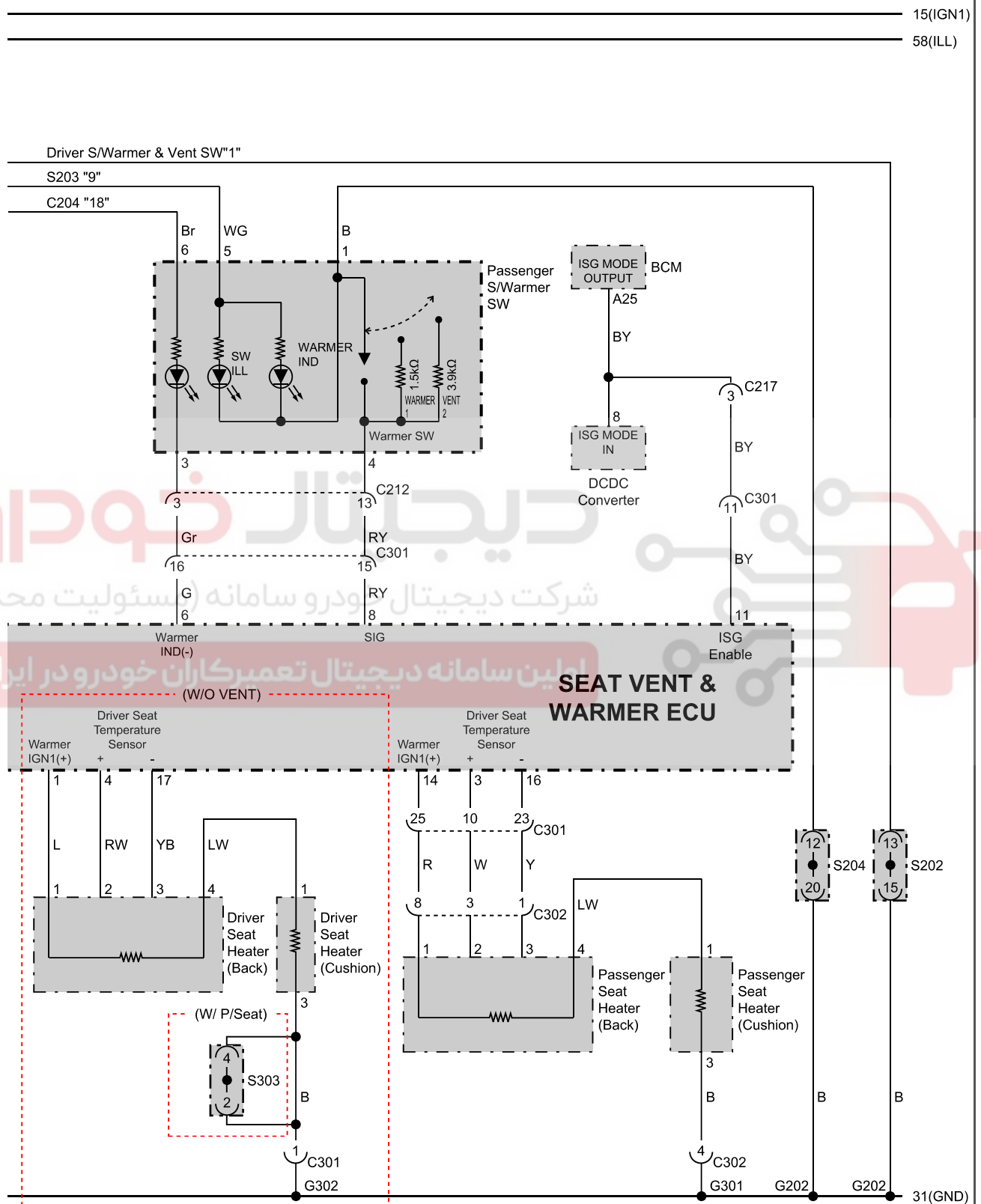
5) Circuit Diagram



SWITCH

TIVOLI 2015.06

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92



Modification basis	
Application basis	
Reference	

SWITCH

TIVOLI 2015.06

S.G.N.

8520-10

REAR SEAT HEATER SWITCH ASSEMBLY (KOREA Only)

1) Overview

The rear seat heater switch assembly is mounted to the rear door trim.

Pressing the rear seat heater switch activates the heated wire of the corresponding seat cushion and pressing the switch again turns off the heated wire operation.

2) Mounting Location and Components



SWITCH

TIVOLI 2015.06

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92

3) Operating Process

Rear seat heater switch



Rear seat heater switch

Pressing the switch turns on the indicator on the switch and activates the corresponding seat heater. Pressing the switch again turns off the seat heater.



FUSE

BCM

SKM

INSTRUMENT

SWITCH

LAMP

WIPER AND

AVN

MP3 AUDIO

LCD AUDIO


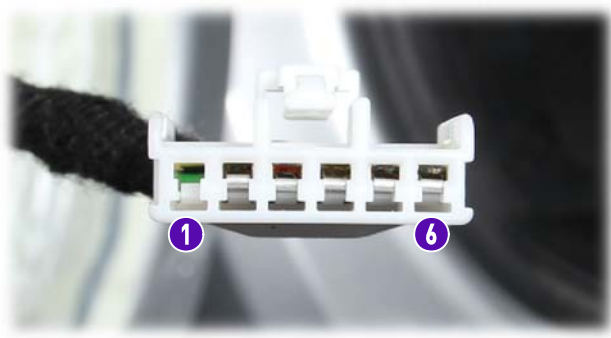
ISG SYSTEM

Modification basis	
Application basis	
Accessories	

SWITCH

TIVOLI 2015.06

4) Connector

To switch	To wiring
	

Pin No.	Function	Pin No.	Function
1	-	4	Illumination -
2	Seat heater power supply (IGN+)	5	Seat heater indicator -
3	Illumination +	6	Seat heater output +

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



FUSE

SWITCH

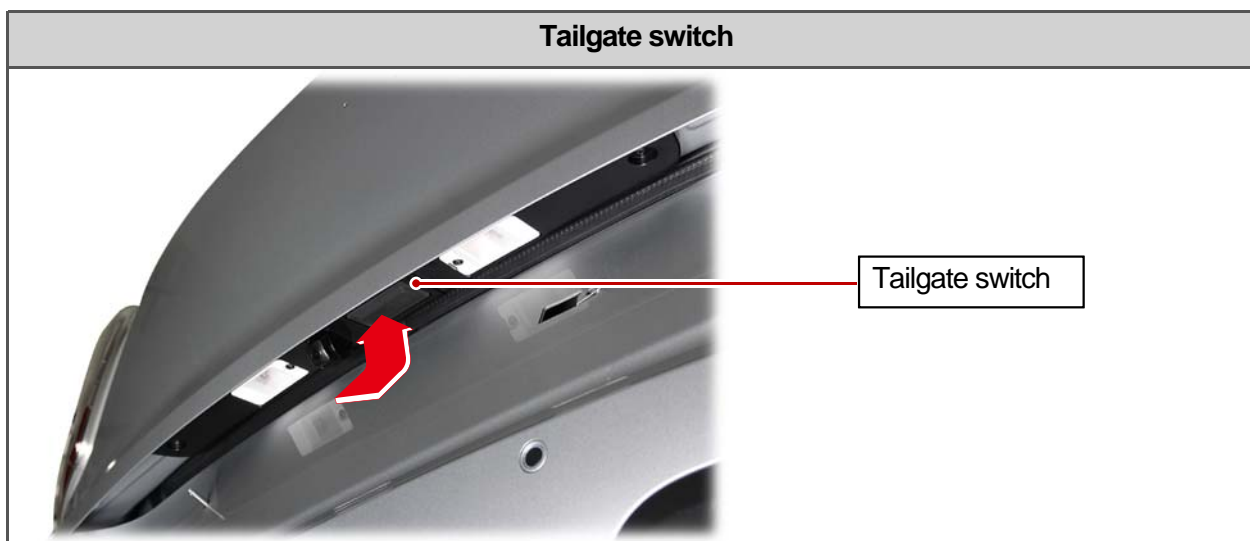
S.G.N.

8520-16 TAILGATE SWITCH ASSEMBLY**1) Overview**

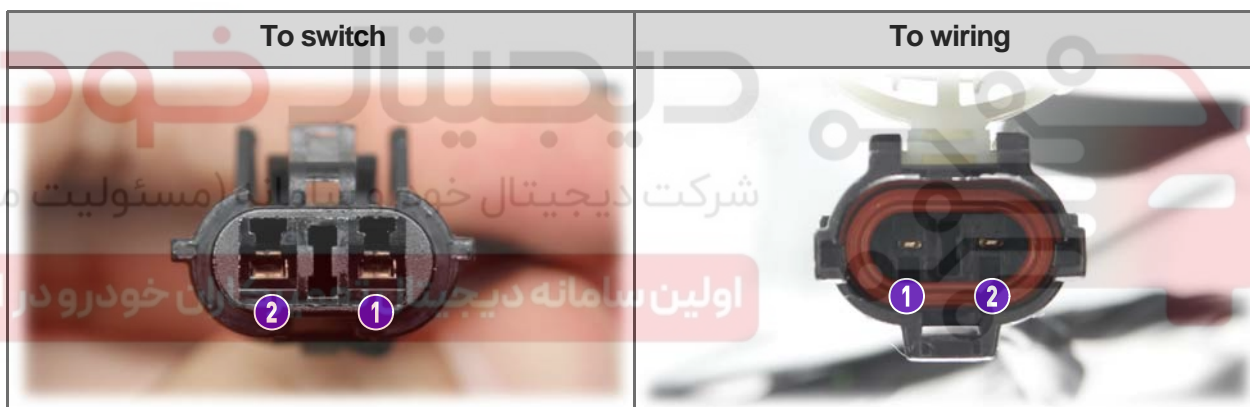
The tailgate switch is mounted to the tailgate panel. When the tailgate switch is operated for 0.1 seconds with the driver's door unlocked in disarmed state, the BCM activates the tailgate OPEN relay to open the tailgate.

2) Mounting Location and Components

3) Operating Process



4) Connector



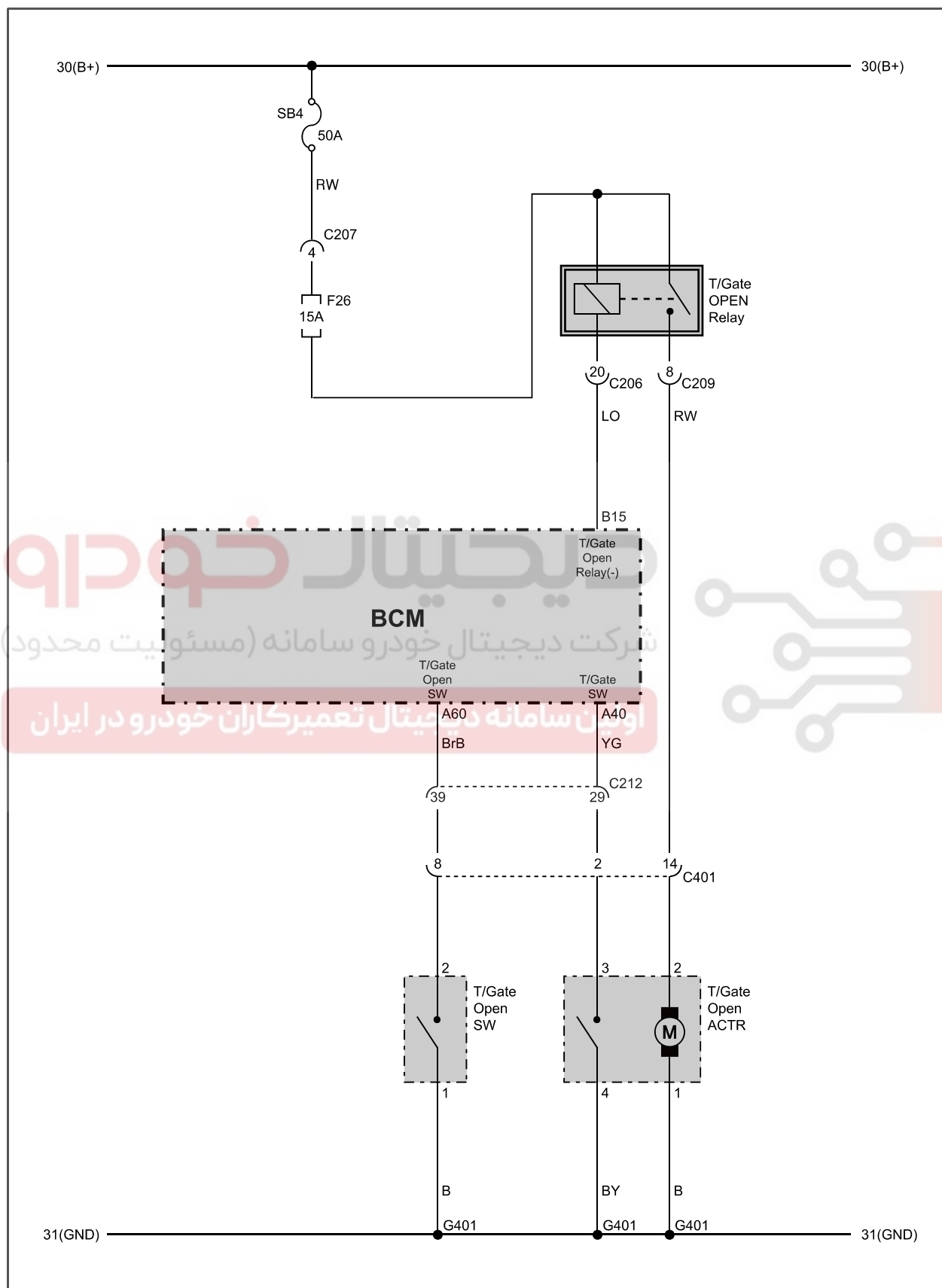
Pin No.	Function	Pin No.	Function
1	Ground	2	Tailgate open switch signal

Modification basis	
Application basis	
Reference VIN	

SWITCH

TIVOLI 2015.06

4) Circuit Diagram



SWITCH

TIVOLI 2015.06

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Modification basis	
Application basis	
Affected VIN	021 62 9

S.G.N.

7770-20

OVERHEAD CONSOLE SWITCH ASSEMBLY

1) Overview

The front room lamp is controlled by the BCM. The front room lamp comes on when opening the driver's or passenger's door (with the door coupled operation switch ON). When closing the driver's or passenger's door, the front room lamp stays on for 2 seconds and then fades out over 3 seconds (with the door coupled operation switch ON). The front room lamp comes on or goes off depending on the operation of the front room lamp ON/OFF switch (spot switch).

2) Mounting Location and Components



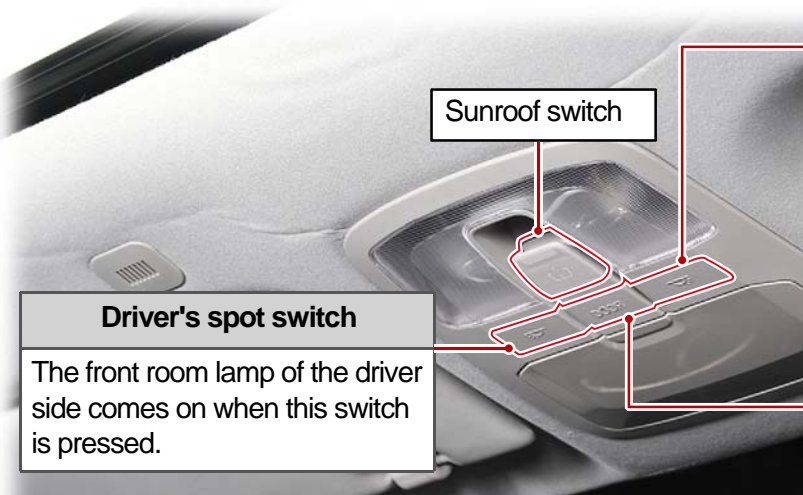
Modification basis	
Application basis	
Approval basis	

SWITCH

TIVOLI 2015.06

3) Operating Process


Overhead console switch



Passenger's spot switch
 The front room lamp of the passenger side comes on when this switch is pressed.

Door coupled switch
 Comes on when the door is opened and goes off when the door is closed with the switch pressed

Sunroof switch



► **Short push up of switch to open direction: 2-step auto sliding open**

The sunroof is automatically opened when the switch is pushed up shortly to the open direction. Opening is carried out in 2 steps. In the first step, the 10 cm part behind the sunroof is not opened. The sunroof is fully opened when the switch is pushed up again to the open direction. The opening movement of the sunroof can be stopped in any position by operating the switch again.

► **Long push up of switch to open direction: manual sliding open**

The sunroof slides open as long as the switch is pushed up.

► **Short pull down of switch to close direction: auto sliding close**

When the switch is pulled down to the close direction briefly, the sunroof automatically slides close. To stop the closing sunroof, operate the switch again.

► **Long pull down of switch to close direction**

The sunroof slides close as long as the switch is pulled down to the close direction.

► **Tilt Up**

The rear side of the sunroof is tilted up when the switch is pulled down to the close direction with the sunroof closed.

► **Tilt Down**

The rear side of the sunroof is tilted down when the switch is pushed up to the open direction with the sunroof tilted up.

SWITCH

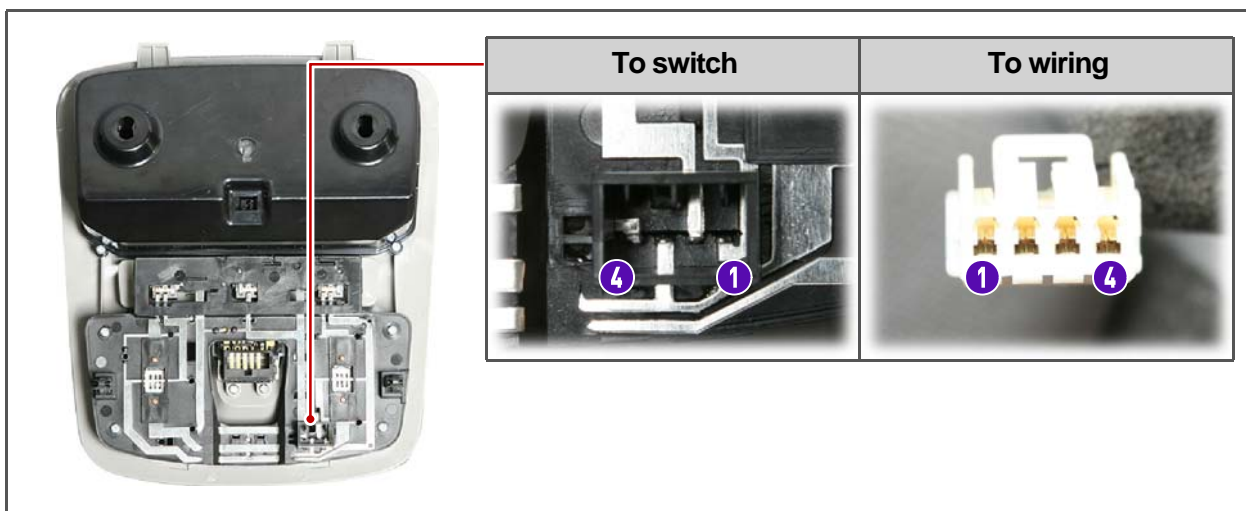
TIVOLI 2015.06

WWW.DIGITALKHODRO.COM

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92

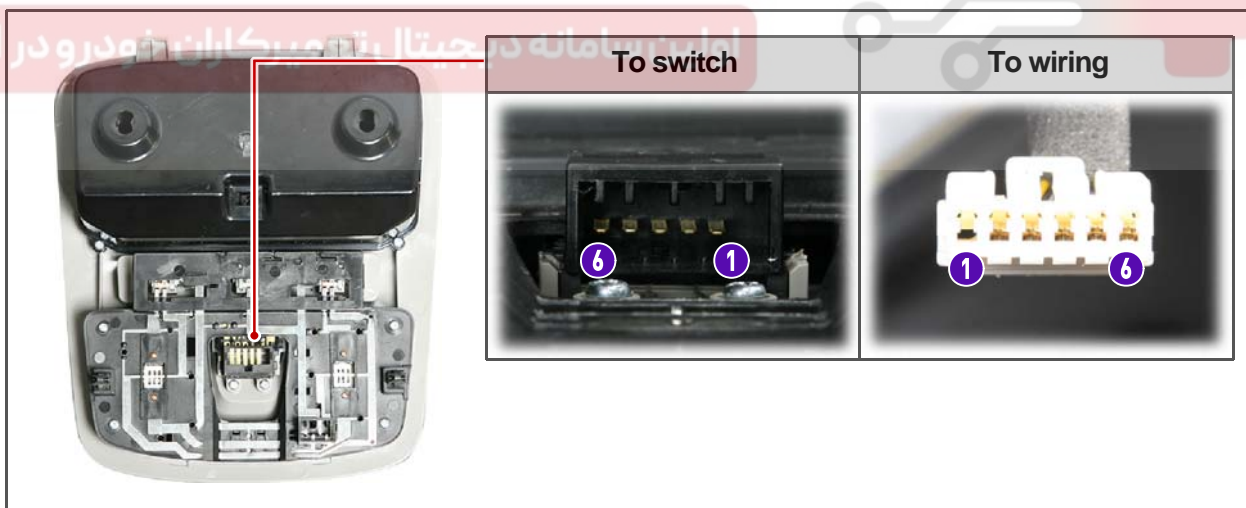
4) Connector

► Front room lamp



Pin No.	Function	Pin No.	Function
1	Front room lamp signal	3	Power (B+)
2	Door coupled front room lamp Switch ground	4	Door coupled center room lamp ground

► Sunroof



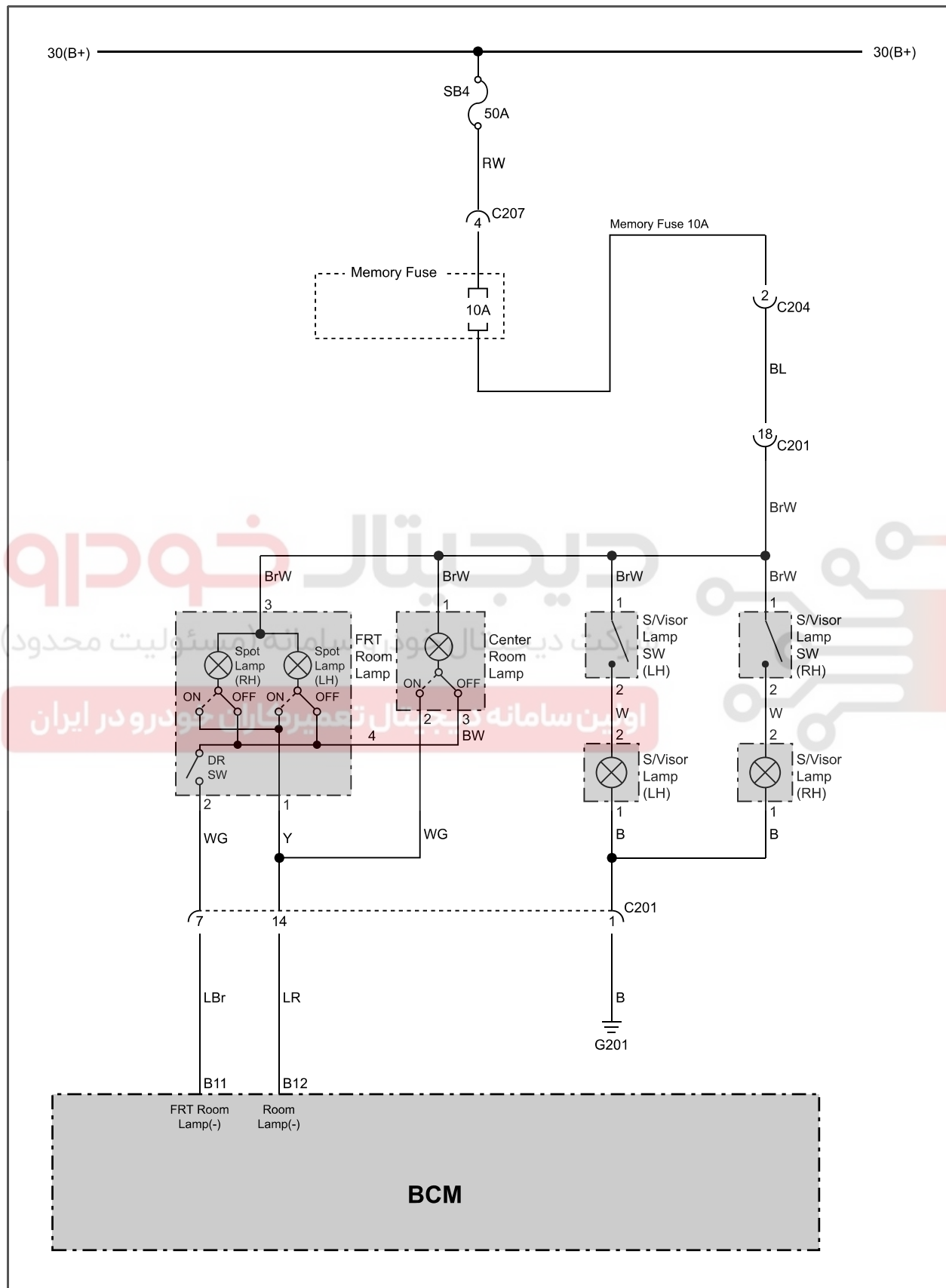
Pin No.	Function	Pin No.	Function
1	-	4	Slide
2	Illumination (power supply)	5	Tilt
3	Illumination (ground)	6	ACC

Modification basis	
Application basis	

SWITCH

TIVOLI 2015.06

4) Circuit Diagram



SWITCH

TIVOLI 2015.06

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92

S.G.N.

8510-08 START/STOP SWITCH**1) Overview**

The START/STOP switch is mounted on the instrument panel to the right of the steering wheel. The driver can turn the ignition ON and OFF with this switch while carrying the key.

2) Mounting Location and Components

FUSE

BCM

SKM

INSTRUM
ENT

SWITCH

LAMP

WPER
AND

AVN


MP3
AUDIOLCD
AUDIOISG
SYSTEM

Modification basis	
Application basis	
Accessories	

SWITCH





TIVOLI 2015.06

3) Operating Process

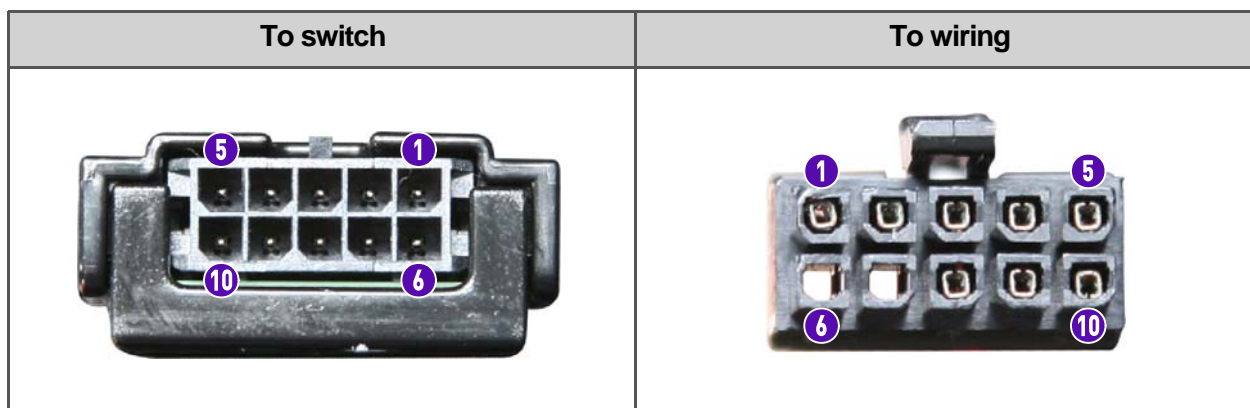
START/STOP switch	
	<p>START/STOP switch</p> <p>The switch operates in a sequence of IGN OFF-ACC-IGN ON-Engine running.</p>

► Features

- START switch operation (ACC/IGN/engine start/engine stop)
- Displays ignition status
- 2-point contact type

IGN OFF	ACC	IGN ON	START
			
LED: OFF	LED: ORANGE ON	LED: RED ON	LED: GREEN ON

3) Connector



Pin No.	Function
1	START/STOP switch indicator power supply
2	START/STOP switch indicator ground (SKM)
3	IGN ON (red) LED ground (SKM)
4	START/STOP switch LED power
5	START/STOP switch 2 ground (SKM)
6	-
7	-
8	START READY (green) LED ground (SKM)
9	START/STOP switch1 ground (SKM)
10	START/STOP switch power

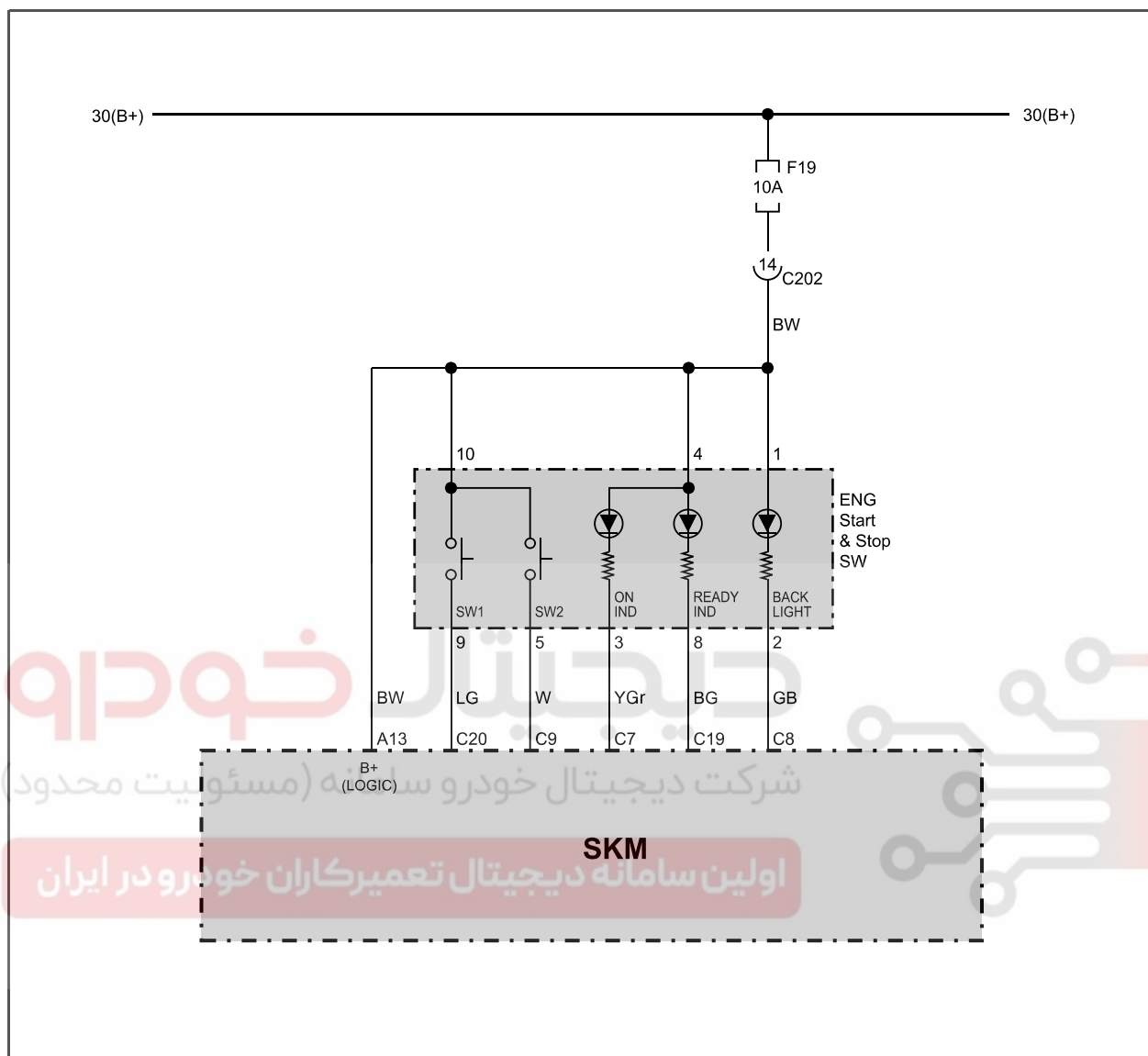
Pin No.	1	2	3	4	8
Switch status (indicator color)					
ACC(Orange)					
ON(Red)					
START READY(Green)					
Illumination(White)					

Modification basis	
Application basis	
Effective date	

SWITCH

TIVOLI 2015.06

5) Circuit Diagram



S.G.N.

8610-35 CIGARETTE LIGHTER SWITCH ASSEMBLY**1) Overview**

The cigarette lighter switch assembly is located on the front console fascia.

2) Mounting Location and Components

FUSE

BCM

SKM

INSTRUMENT

SWITCH

LAMP

WIPER AND

AVN

MP3 AUDIO

LCD AUDIO

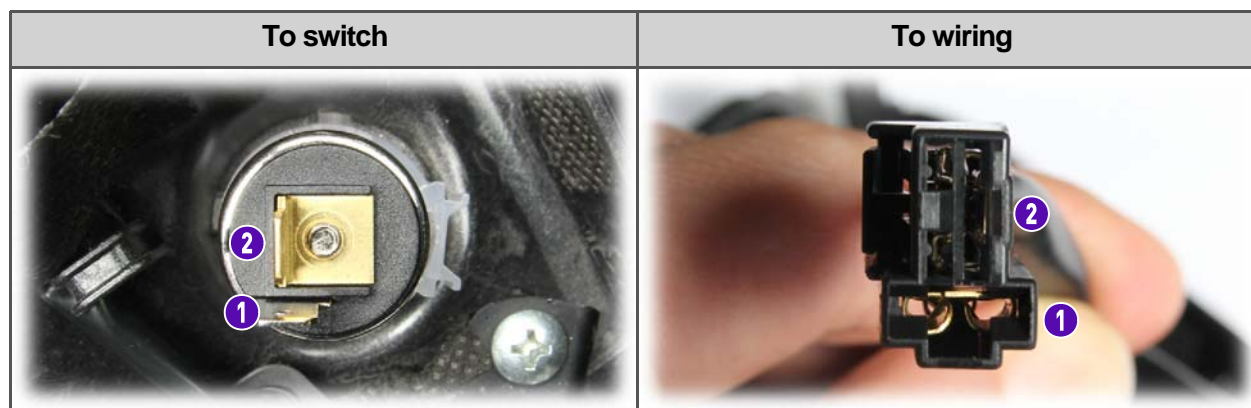
ISG SYSTEM

Modification basis	
Application basis	
Approval basis	

SWITCH

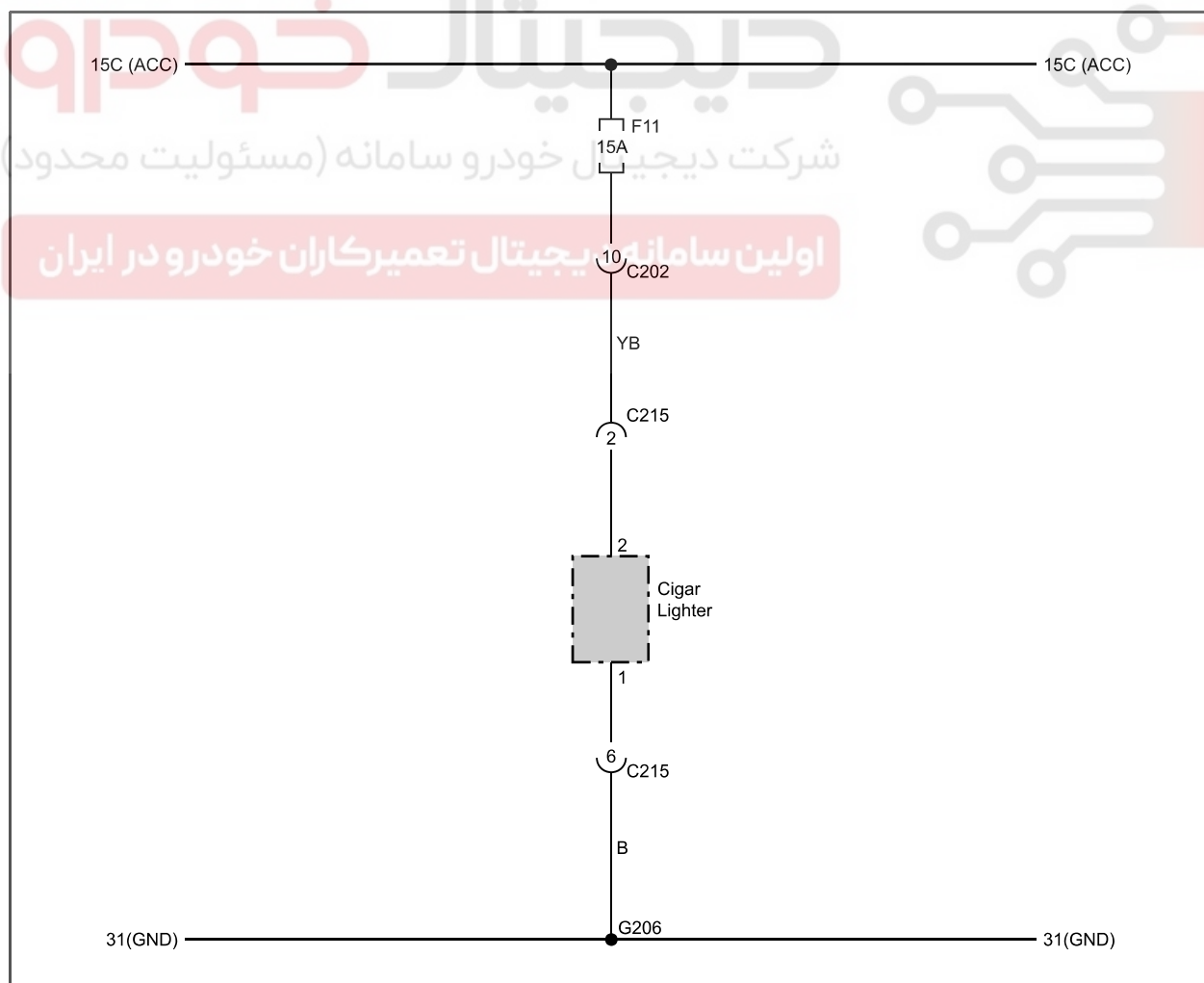
TIVOLI 2015.06

3) Connector



Pin No.	Function	Pin No.	Function
1	Ground	2	Power supply

4) Circuit Diagram



SWITCH

TIVOLI 2015.06

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92

S.G.N.

8510-17 PAB OFF SWITCH**1) Overview**

The PAB OFF switch is fitted on the front passenger's crash pad side cover, which deactivates the PAB. The PAB OFF indicator on the center fascia switch assembly comes on when this switch is turned off.

2) Mounting Location and Components

Modification basis	
Application basis	
Accessories	

SWITCH

TIVOLI 2015.06

FUSE

BCM

SKM

INSTRUMENT

SWITCH

LAMP

WIPER AND

AVN

MP3 AUDIO

LCD AUDIO

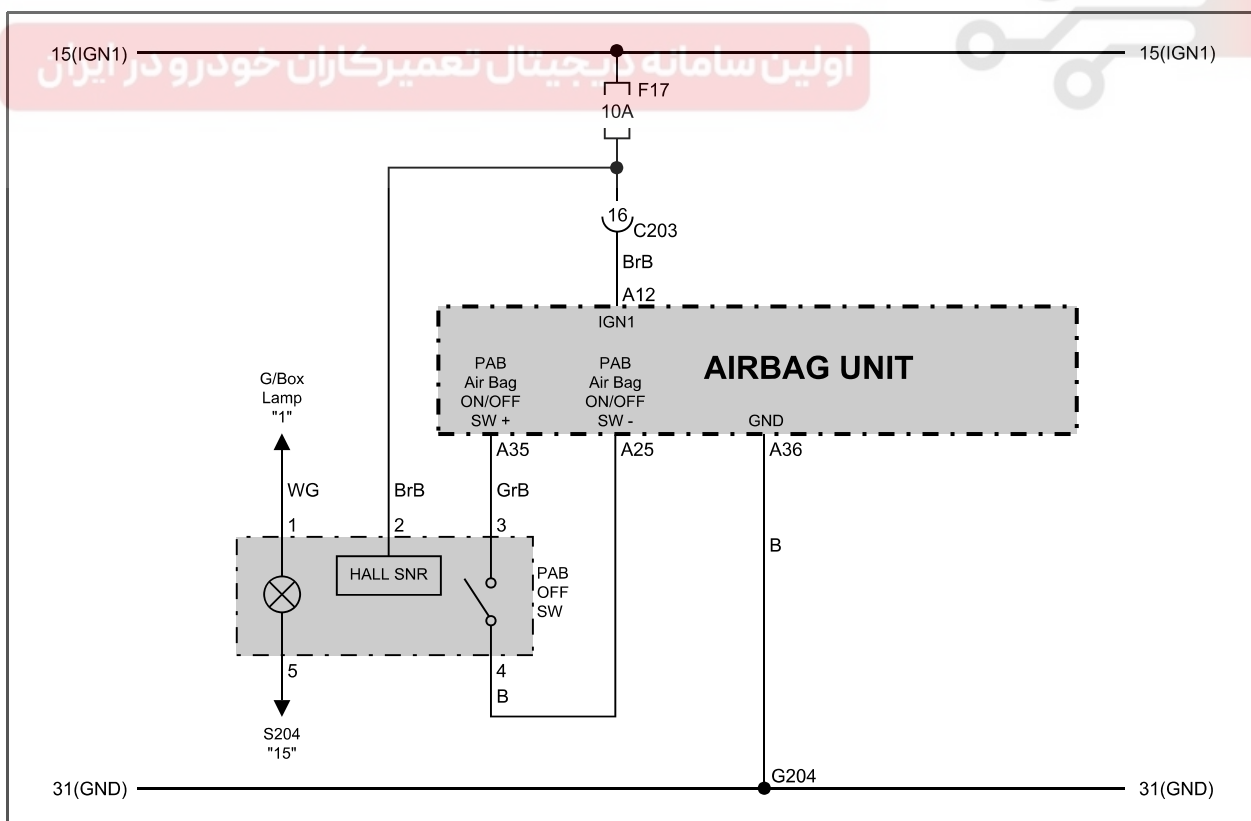
ISG SYSTEM

3) Connector

To switch	To wiring
	

Pin No.	Function
1	BCM +
2	Ground
3	SDM -
4	SDM +
5	IGN+

4) Circuit Diagram



SWITCH

TIVOLI 2015.06

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92

REMOVAL AND INSTALLATION

S.G.N.

8520-01 POWER WINDOW MAIN SWITCH ASSEMBLY

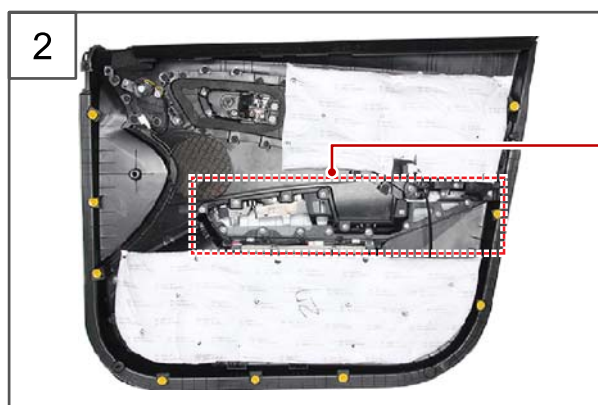
Preceding work - Disconnect the negative battery cable.



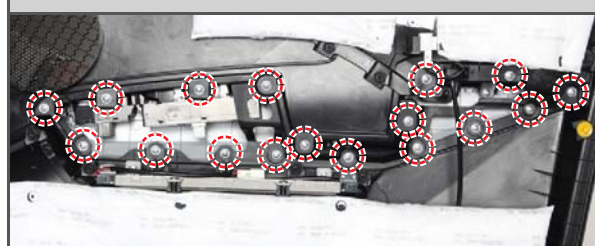
1. Remove the front door trim.

**NOTE**

Refer to "FRONT DOOR TRIM ASSEMBLY" under "REMOVAL AND INSTALLATION" subsection of "BODY INTERIOR" section in "BODY" chapter.



2. Remove the 17 mounting screws for the front door trim pull handle cover on the inside of the door trim.

Mounting screw -17 off

Modification basis	
Application basis	
Approval basis	

SWITCH

TIVOLI 2015.06



3. Remove the front door trim pull handle cover from the outside of the front door trim.

Front door trim pull handle cover



4. Unscrew the 4 mounting screws for the power window main switch on the inside of the door trim.



5. Remove the power window main switch.



6. Install in the reverse order of removal.

S.G.N.

8520-05

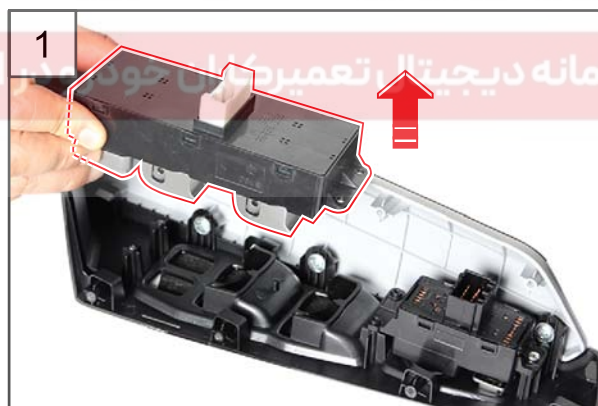
OUTSIDE REARVIEW MIRROR SWITCH ASSEMBLY

Preceding work

- Disconnect the negative battery cable.



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1. Remove the power window main switch.



NOTE

Refer to "POWER WINDOW MAIN SWITCH" under this subsection.

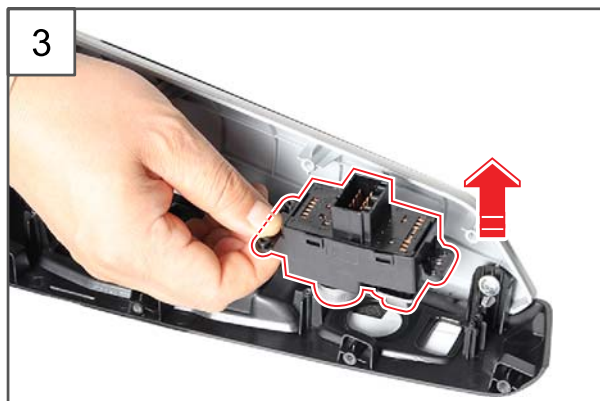


2. Remove the mounting screw for the outside rearview mirror switch (A).

Modification basis	
Application basis	
Reference VIN	

SWITCH

TIVOLI 2015.06



3. Remove the outside rearview mirror switch.



4. Install in the reverse order of removal.



دیجیتال خودرو
شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

S.G.N.

8520-07

POWER WINDOW SUB SWITCH ASSEMBLY

Preceding work

- Disconnect the negative battery cable.

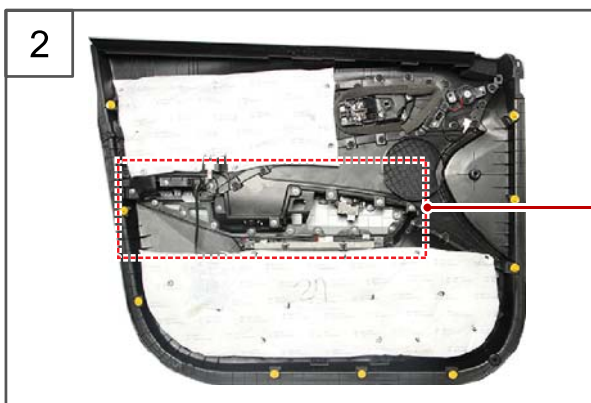
1) Passenger's Door Side



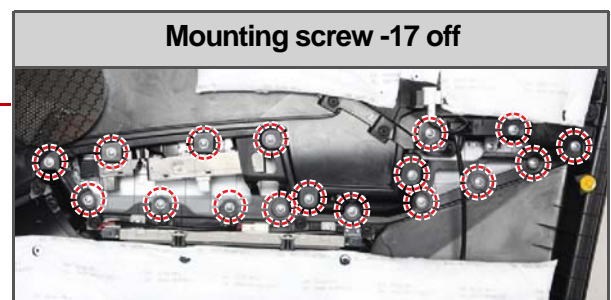
1. Remove the passenger's door trim.

**NOTE**

Refer to "PASSENGER'S DOOR TRIM" under "REMOVAL AND INSTALLATION" subsection of "BODY INTERIOR" section in "BODY" chapter.



2. Remove the 17 mounting screws for the passenger's door trim pull handle cover on the inside of the door trim.



Mounting screw -17 off

Modification basis	
Application basis	
Approval basis	

SWITCH

TIVOLI 2015.06



3. Remove the passenger's door trim pull handle cover from the outside of the passenger's door trim.

**Passenger's door trim
pull handle cover**



4. Unscrew the 2 mounting screws for the power window sub switch on the inside of the passenger's door trim pull handle cover.



5. Remove the power window sub switch.



6. Install in the reverse order of removal.

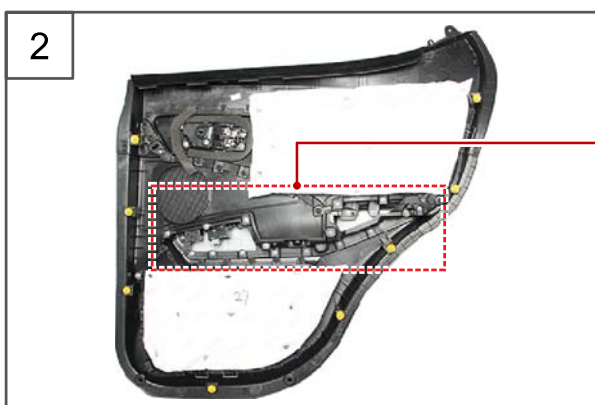
2) Rear Door Side



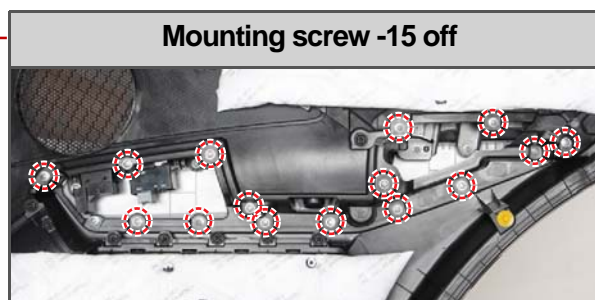
1. Remove the rear door trim.

**NOTE**

Refer to "REAR DOOR TRIM ASSEMBLY" under "REMOVAL AND INSTALLATION" subsection of "BODY INTERIOR" section in "BODY" chapter.



2. Remove the 15 mounting screws for the rear door trim pull handle cover on the inside of the door trim.



Modification basis	
Application basis	
Approval basis	

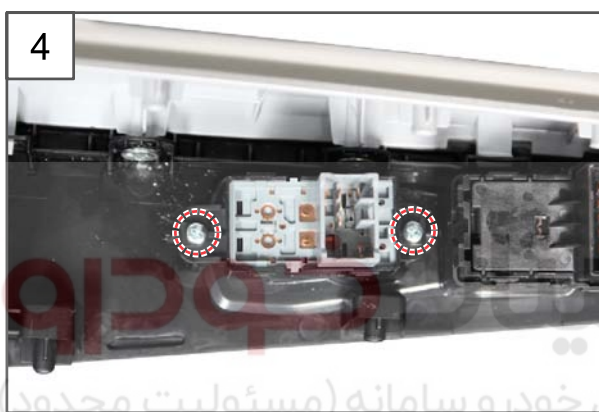
SWITCH

TIVOLI 2015.06



3. Remove the rear door trim pull handle cover from the outside of the rear door trim.

Rear door trim pull handle cover



4. Unscrew the 2 mounting screws for the power window sub switch on the inside of the door trim.



5. Remove the power window sub switch.



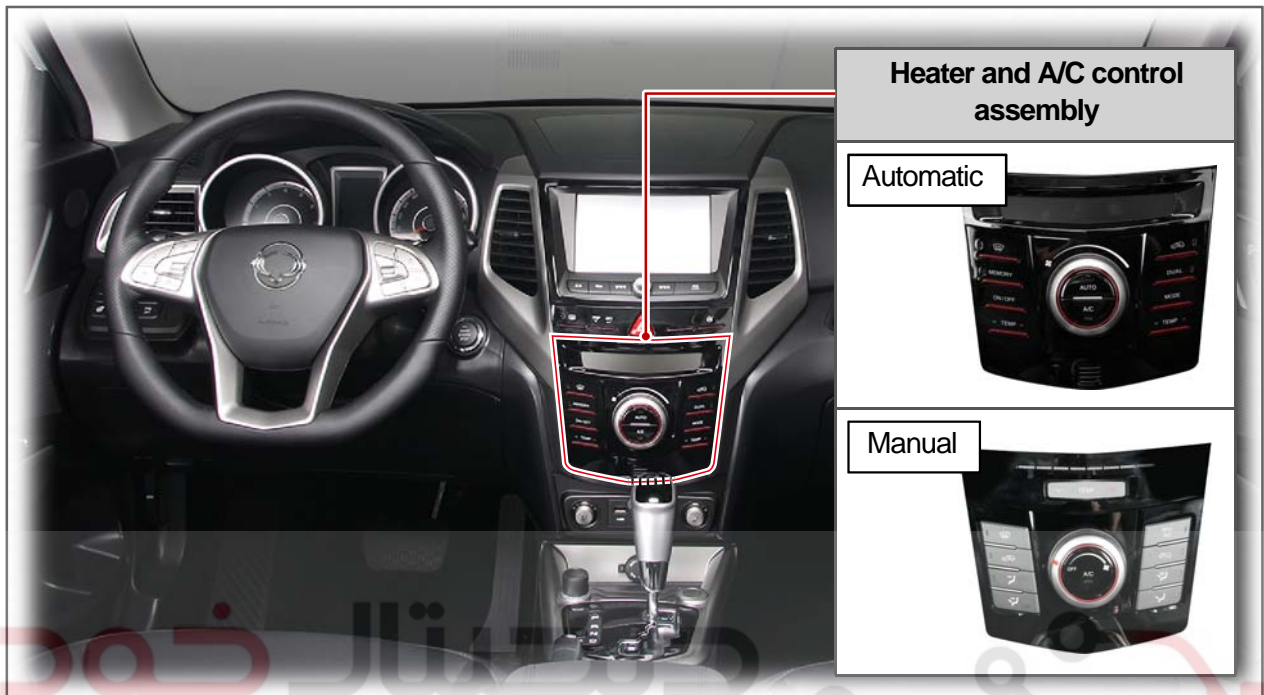
6. Install in the reverse order of removal.

6810-01

HEATER AND A/C CONTROL ASSEMBLY

Preceding work

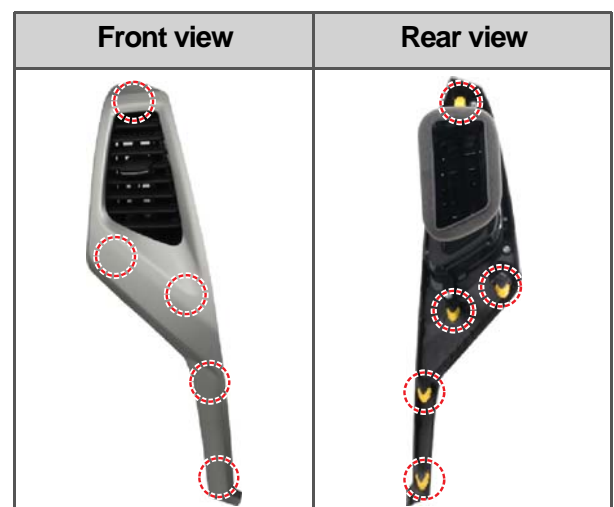
- Disconnect the negative battery cable.



1. Remove the center fascia LH panel by prying off the bottom (A) using a hand remover. (The same method applies to the RH panel.)

CAUTION

Take care not to damage the fixing clips (5 off) when removing the center fascia LH panel.



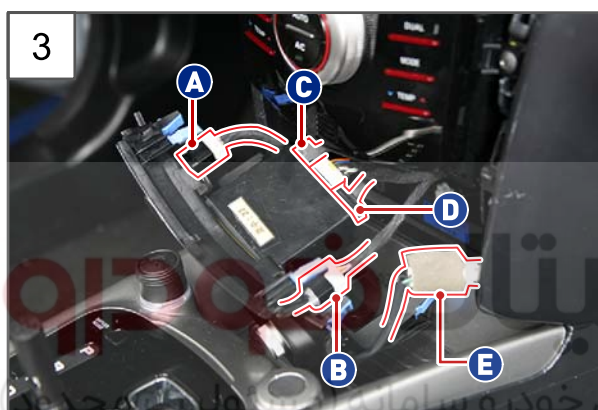
Modification basis	
Application basis	
Approval basis	

SWITCH

TIVOLI 2015.06



2. Prise apart the center fascia front seat heater switch assembly panel with a hand remover.



3. Disconnect the connectors at the rear side of the front seat heater switch assembly panel.

(A) Driver's seat heater and ventilation switch connector

(B) Passenger's seat heater switch connector

(C) USB connector

(D) HDMI connector

(E) IP center lower mood lamp connector



4. Remove the front seat heater switch assembly panel completely.

Retaining clip (6 off)



5. Unscrew the 4 mounting screws for the heater and A/C control assembly.



6. Disconnect the heater and A/C control assembly connector (A) at the rear side of the heat and A/C control assembly by prising the assembly off.



7. Remove the heater and A/C control assembly.



8. Install in the reverse order of removal.



NOTE

The removal and installation of the heater and A/C assembly are the same for the Remove and install the automatic and manual systems.



Modification basis	
Application basis	
Accessories	

SWITCH

TIVOLI 2015.06

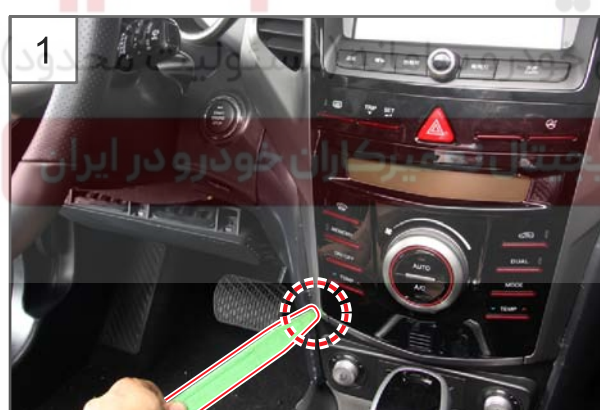
S.G.N.

8510-15

CENTER FASCIA SWITCH ASSEMBLY

Preceding work

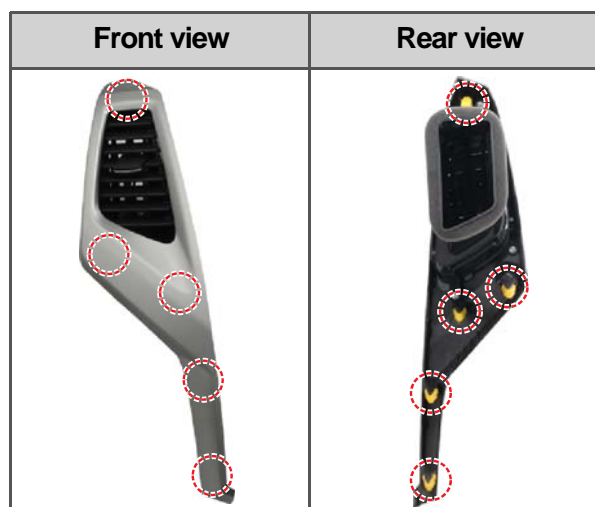
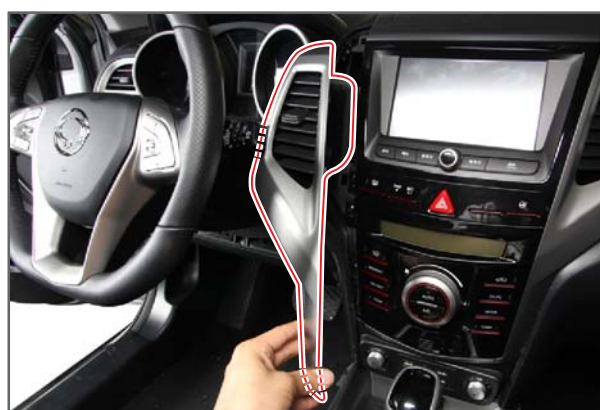
- Disconnect the negative battery cable.



1. Remove the center fascia LH panel by prying off the bottom (A) using a hand remover. (The same method applies to the RH panel.)

CAUTION

Take care not to damage the fixing clips (5 off) when removing the center fascia LH panel.



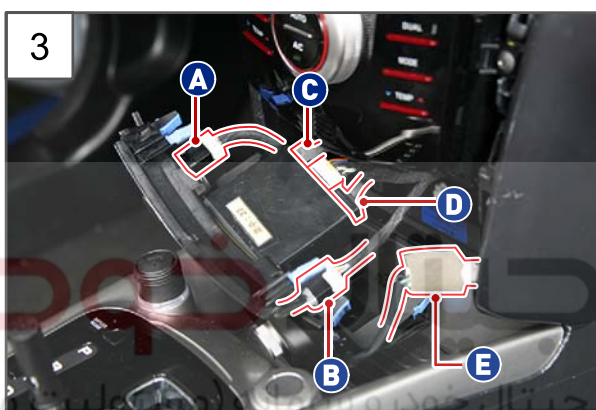
SWITCH

TIVOLI 2015.06

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92



2. Prise apart the center fascia front seat heater switch assembly panel with a hand remover.



3. Disconnect the connectors at the rear side of the front seat heater switch assembly panel.

- (A) Driver's seat heater and ventilation switch connector
(B) Passenger's seat heater switch connector
(C) USB connector
(D) HDMI connector
(E) IP center lower mood lamp connector



4. Remove the front seat heater switch assembly panel completely.

Retaining clip (6 off)

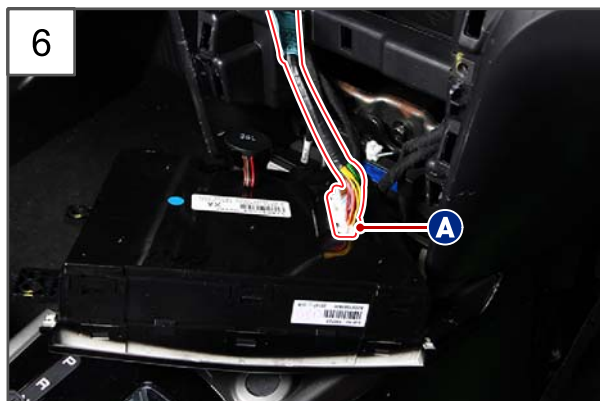


5. Unscrew the 4 mounting screws for the heater and A/C control assembly.

Modification basis	
Application basis	

SWITCH

TIVOLI 2015.06



6. Disconnect the heater and A/C control assembly connector (A) at the rear side of the heat and A/C control assembly by prising the assembly off.



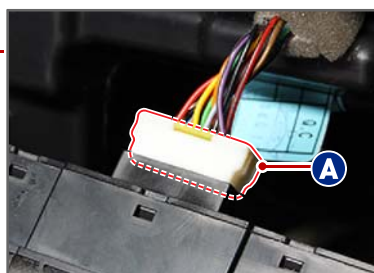
7. Remove the heater and A/C control assembly.



8. Unscrew the 2 mounting screws (A) for the center fascia switch assembly.



9. Prise apart the center fascia switch assembly and disconnect the connector (A).



SWITCH

TIVOLI 2015.06

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92



10.Remove the center fascia switch assembly.



11.Install in the reverse order of removal.

FUSE

BCM

SKM

INSTRUM
ENT

SWITCH

LAMP

WPER
AND

AVN

MP3
AUDIOLCD
AUDIOISG
SYSTEM

دیجیتال خودرو
شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

Modification basis	
Application basis	
Accessories	

SWITCH

TIVOLI 2015.06

S.G.N.

8510-07

LOWER MAIN SWITCH ASSEMBLY

Preceding work

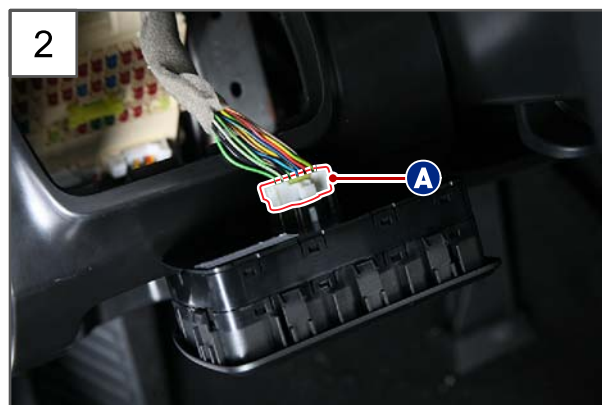
- Disconnect the negative battery cable.



Lower main switch assembly



1. Pry out the lower main switch assembly using a hand remover.



2. Disconnect the connectors (A) at the rear side of the lower main switch assembly panel.

SWITCH

TIVOLI 2015.06

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92



3. Remove the lower main switch assembly.



4. Install in the reverse order of removal.

دیجیتال خودرو (مسئولیت محدود)
شرکت دیجیتال خودرو سامانه

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



Modification basis	
Application basis	
Accessories	

SWITCH

TIVOLI 2015.06

S.G.N.

8530-01

MULTIFUNCTION TURN SIGNAL LAMP SWITCH ASSEMBLY

Preceding work

- Disconnect the negative battery cable.



1. Remove the steering wheel.



NOTE

Refer to "STEERING WHEEL" under "REMOVAL AND INSTALLATION" subsection of "BODY INTERIOR" section in "BODY" chapter.

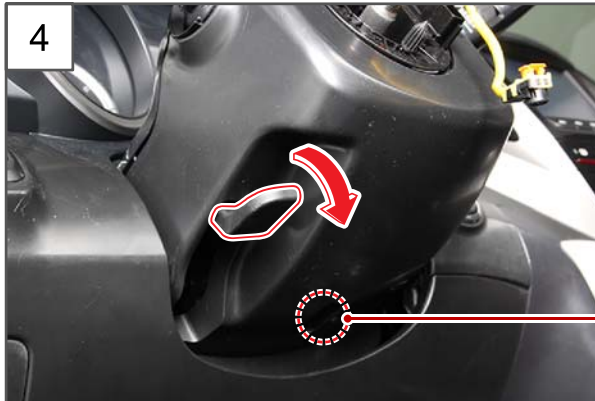


2. Unscrew the 2 mounting screws on the shroud upper and lower panels.

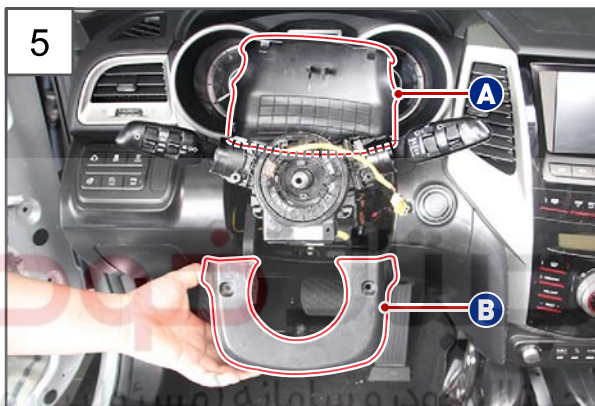
SWITCH

TIVOLI 2015.06

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92



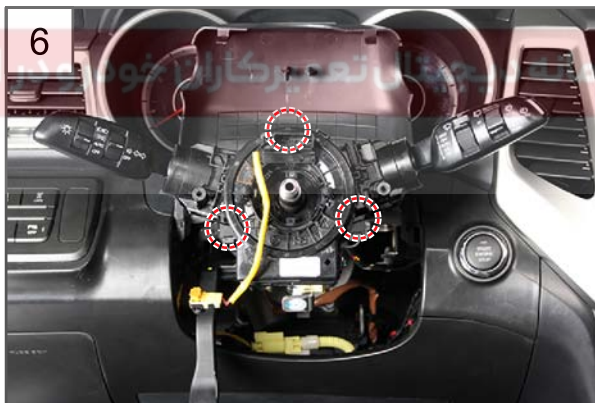
4. Unscrew the mounting screw (A) for the shroud lower panel, and push down the steering column tilting lever in the direction of the arrow.



5. Prise apart the shroud upper panel (A) and lower panel (B) and remove the shroud lower panel.

NOTE

For a vehicle without smart key, remove the lower main panel before removing the shroud lower panel.



6. Disengage the mountings (3 points) and lift out the contact coil assembly from the column shaft.

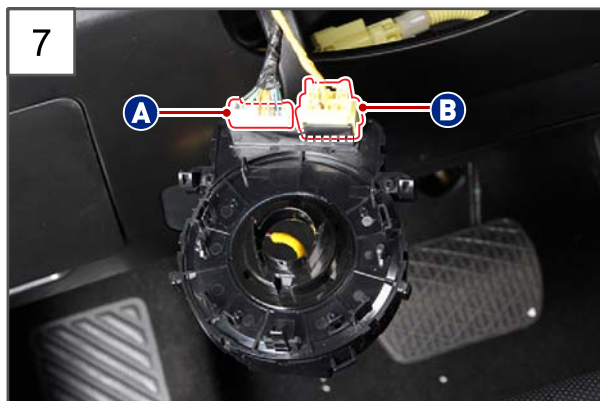
Contact coil assembly mountings



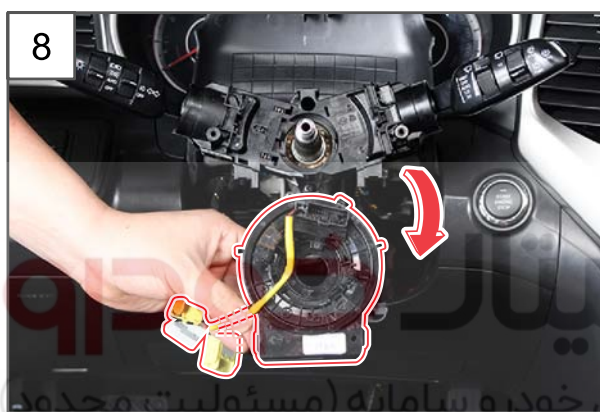
Modification basis	
Application basis	
Accessories	

SWITCH

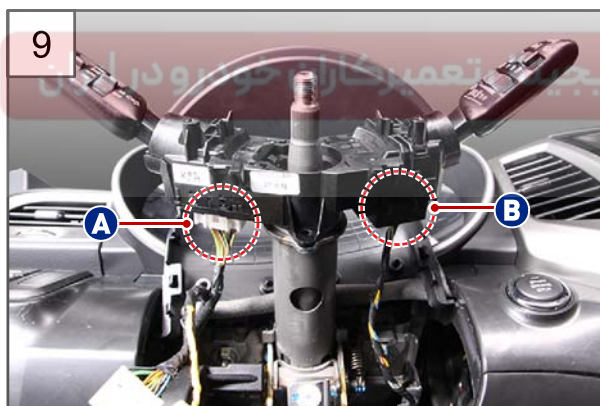
TIVOLI 2015.06



7. Disconnect the connectors (A) and (B) connected to the contact coil assembly.



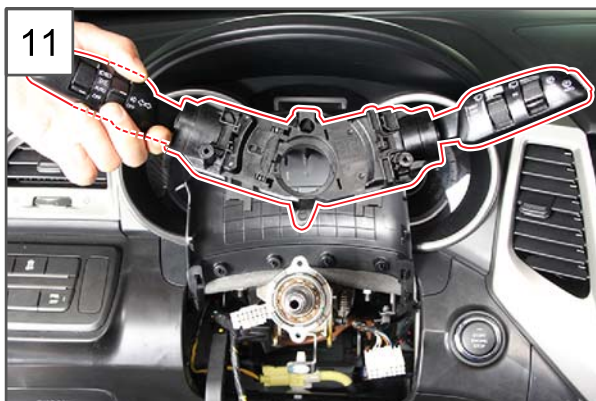
8. Remove the contact coil assembly.



9. Disconnect the turn signal lamp switch connector (A) and the wiper switch connector (B).



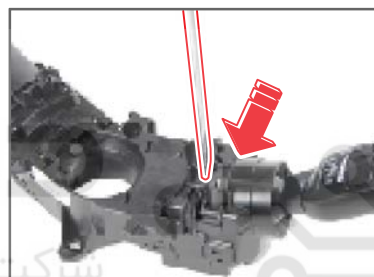
10. Remove the 2 mounting screws for the multifunction switch assembly.



11.Remove the multifunction switch assembly.



12.Detach the multifunction wiper switch mounting (A) from the multifunction switch assembly with a flat bladed screwdriver.



10.Remove the multifunction wiper switch from the multifunction switch assembly.



11.Install in the reverse order of removal.

Modification basis	
Application basis	
Accessories	

SWITCH

TIVOLI 2015.06

S.G.N.

8530-02 MULTIFUNCTION WIPER SWITCH

Preceding work

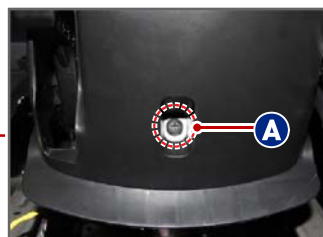
- Disconnect the negative battery cable.



1. Remove the 2 mounting screws for the shroud lower panel after rotating the steering wheel to make room for working.



2. Unscrew the mounting screw (A) for the shroud lower panel, and push down the steering column tilting lever in the direction of the arrow.



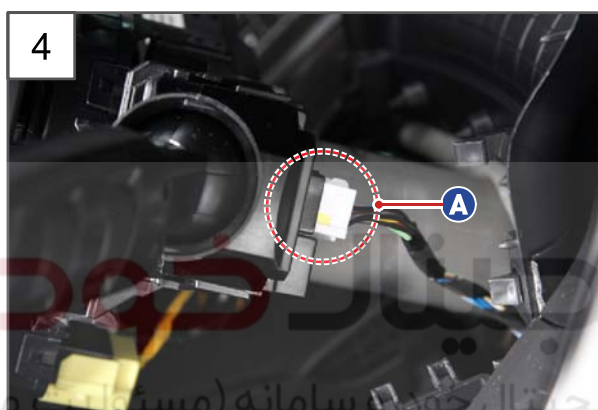
SWITCH

TIVOLI 2015.06

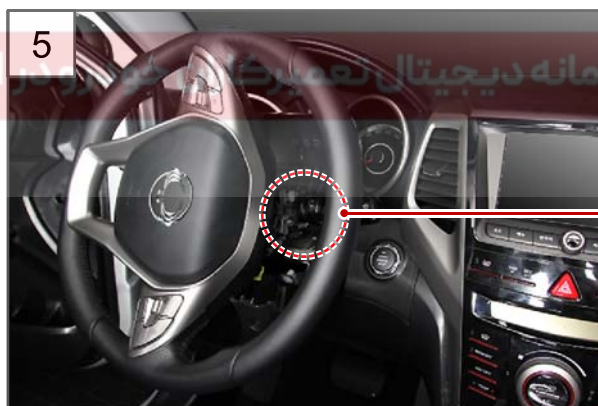
Modification basis	
Application basis	
Affected VIN	021 62 99 92 92



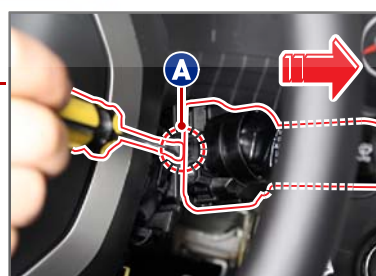
3. Separate the shroud upper and lower panels with a hand remover.



4. Disconnect the multifunction wiper switch connector (A).



5. Prise apart the mounting (A) with a flat bladed screwdriver to remove the multifunction wiper switch.



6. Install in the reverse order of removal.

FUSE

BCM

SKM

INSTRUMENT

SWITCH

LAMP

WIPER AND

AVN

MP3 AUDIO

LCD AUDIO

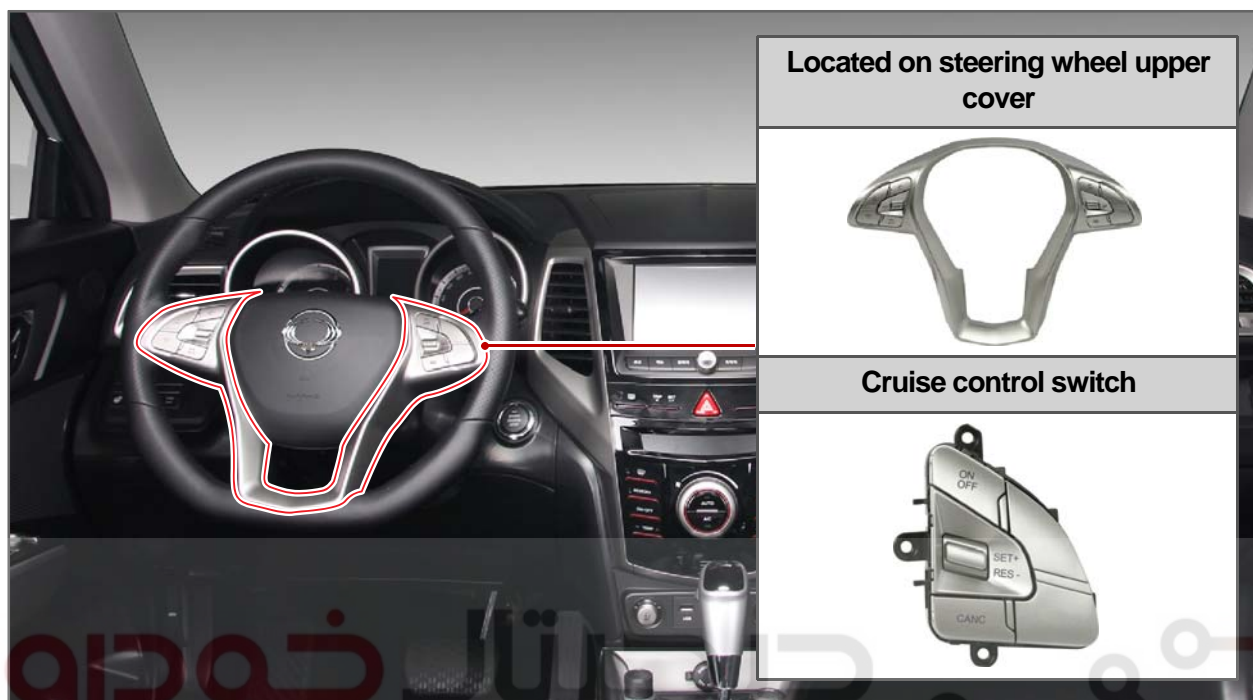
ISG SYSTEM

Modification basis	
Application basis	
Left/Right	

SWITCH

TIVOLI 2015.06

S.G.N.

8530-11 CRUISE CONTROL SWITCH**Preceding work** - Disconnect the negative battery cable.

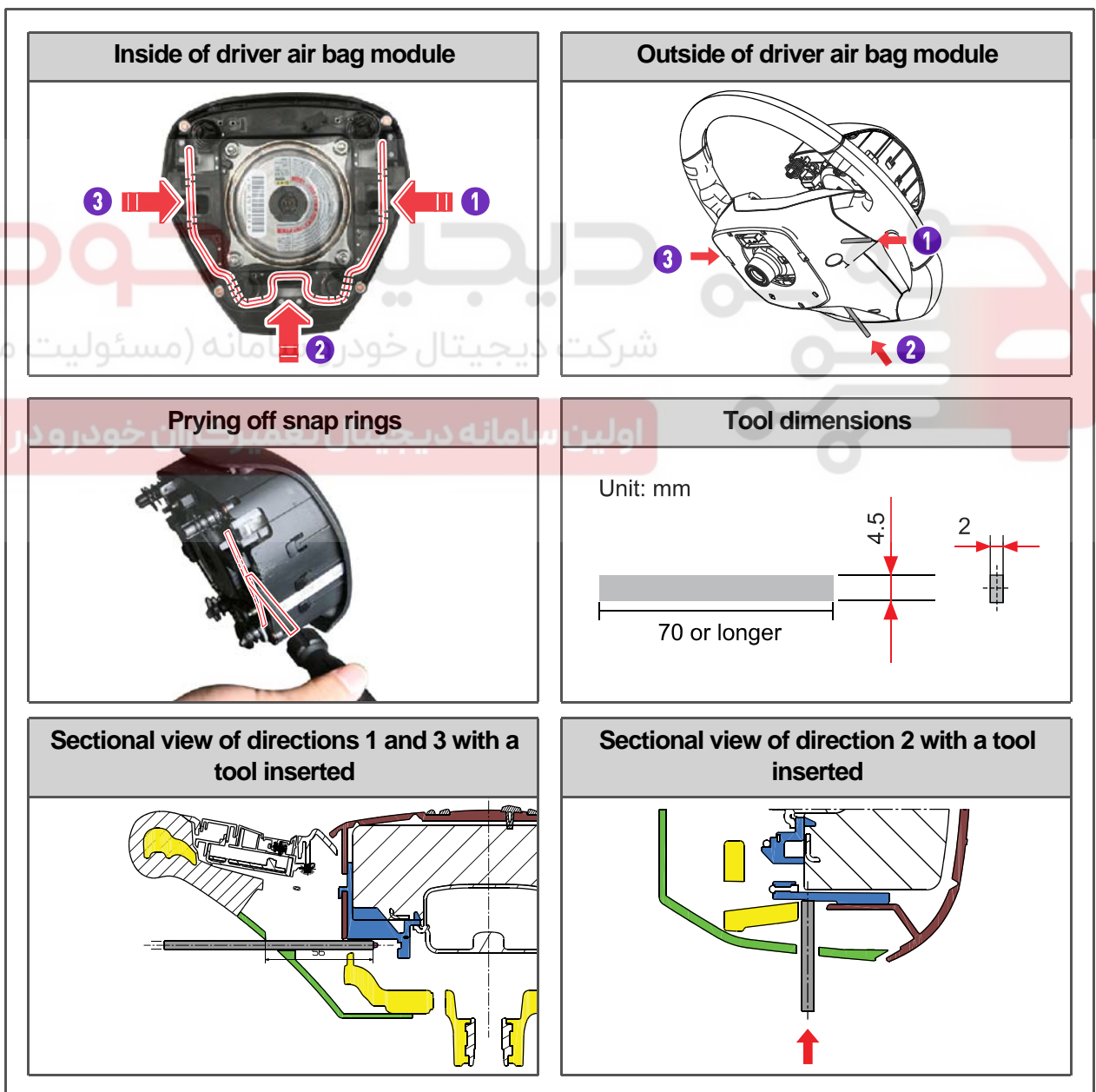
1. Remove the driver air bag module from the steering wheel by following the procedures below:



- a. Insert a flat bladed screw driver to the 3 holes on the rear side of the steering wheel to press out the snap rings securing the air bag module.

CAUTION

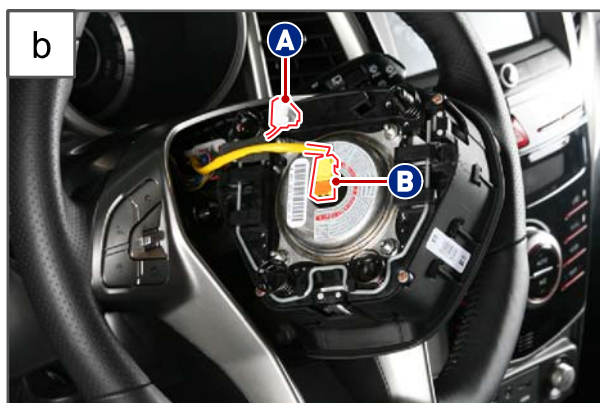
Insert a screwdriver by paying close attention to the short circuit due to wirings in the driver air bag module.



Modification basis	
Application basis	
Accessories	

SWITCH

TIVOLI 2015.06



b. Lift out the driver's air bag module and disconnect the connectors (A) and (B).

(A) Horn connector

(B) Driver's air bag module connector



c. Remove the driver's air bag module.



2. Remove the 4 mounting screws for steering wheel upper cover at the back side of the steering wheel.

Steering wheel upper cover mounting screws





3. Remove the steering wheel upper cover and disconnect the connectors (A) and (B).

(A) Audio remote control switch connector

(B) Cruise control switch connector



4. Remove the steering wheel upper cover.

Steering wheel upper cover



5. Remove the 3 mounting screws for the cruise control switch at the back side of the removed steering wheel upper cover.



6. Remove the cruise control switch.

Modification basis	
Application basis	
Application basis	

SWITCH

TIVOLI 2015.06



7. Install in the reverse order of removal.

دیجیتال خودرو

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S.G.N.

8530-10

AUDIO REMOTE CONTROL SWITCH

Preceding work

- Disconnect the negative battery cable.



1. Remove the driver air bag module from the steering wheel by following the procedures below:

Modification basis	
Application basis	
Accessories	

SWITCH

TIVOLI 2015.06

FUSE

BCM

SKM

INSTRUMENT

SWITCH

LAMP

WIPER AND

AVN

MP3 AUDIO

LCD AUDIO

ISG SYSTEM



- a. Insert a flat bladed screw driver to the 3 holes on the rear side of the steering wheel to press out the snap rings securing the air bag module.

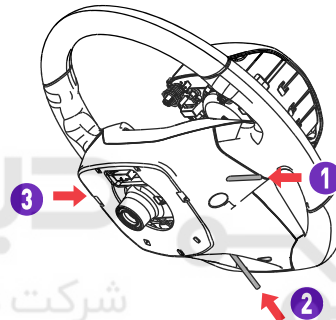
CAUTION

Insert a screwdriver by paying close attention to the short circuit due to wirings in the driver air bag module.

Inside of driver air bag module



Outside of driver air bag module

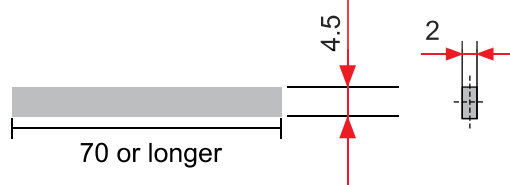


Prying off snap rings

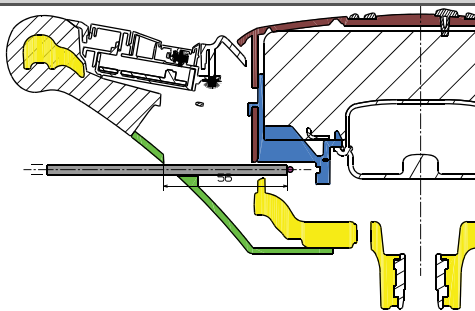


Tool dimensions

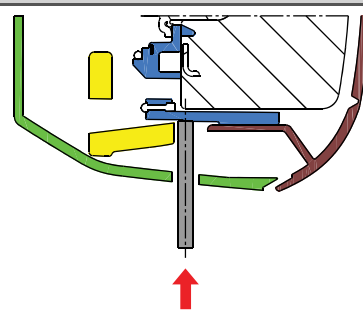
Unit: mm



Sectional view of directions 1 and 3 with a tool inserted



Sectional view of direction 2 with a tool inserted





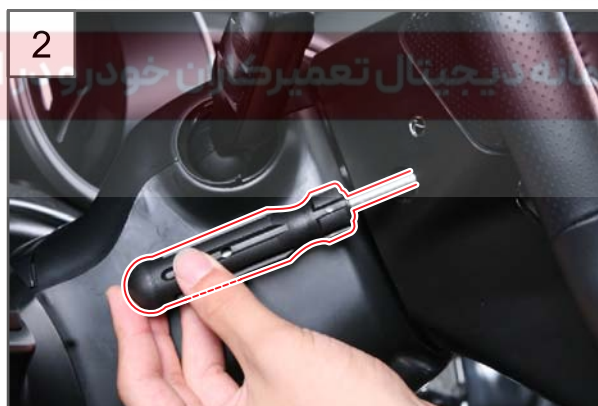
b. Lift out the driver's air bag module and disconnect the connectors (A) and (B).

(A) Horn connector

(B) Driver's air bag module connector



c. Remove the driver's air bag module.



2. Remove the 4 mounting screws for steering wheel upper cover at the back side of the steering wheel.

Steering wheel upper cover mounting screws



Modification basis	
Application basis	
Life cycle	

SWITCH

TIVOLI 2015.06



3. Remove the steering wheel upper cover and disconnect the connectors (A) and (B).

(A) Audio remote control switch connector

(B) Cruise control switch connector



4. Remove the steering wheel upper cover.

Steering wheel upper cover



5. Remove the 3 mounting screws for the audio remote control switch at the back side of the steering wheel upper cover.



6. Remove the audio remote control switch.



7. Install in the reverse order of removal.

دیجیتال خودرو

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FUSE

BCM

SKM

INSTRUMENT

SWITCH

LAMP

WIPER AND

AVN

MP3 AUDIO

LCD AUDIO

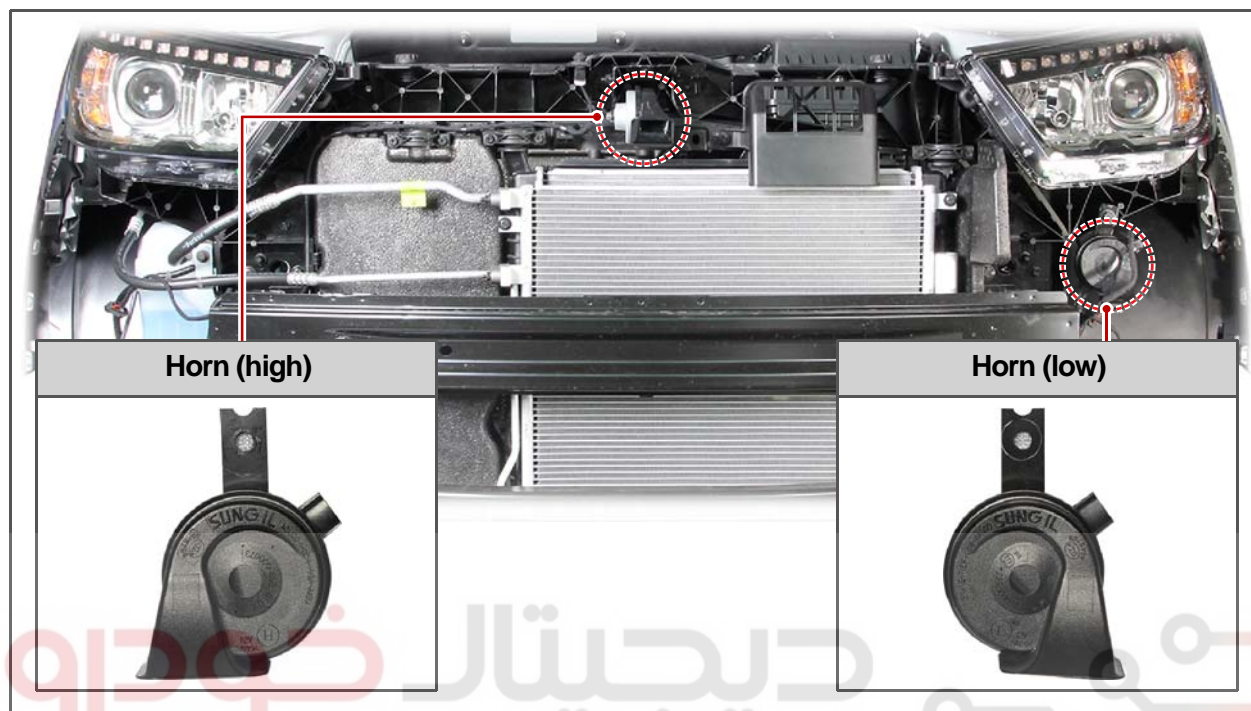
ISG SYSTEM

Modification basis	
Application basis	
Approved by	

SWITCH

TIVOLI 2015.06

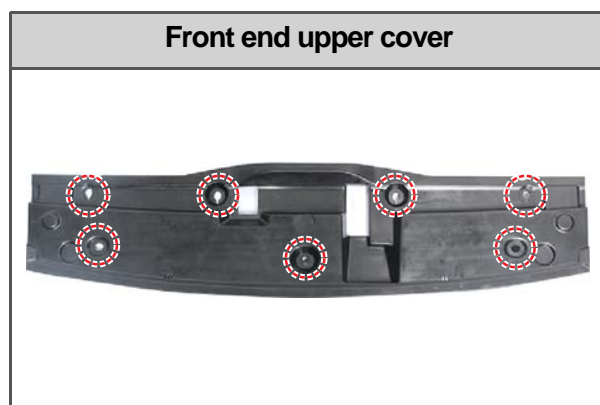
S.G.N.

8610-06 HORN ASSEMBLY**Preceding work** - Disconnect the negative battery cable.

شرکت دیجیتال خودرو سامانه (مسئله) ▶ To horn (high)



1. Remove the 7 front end upper cover mounting screw rivets to remove the front end cover.



SWITCH

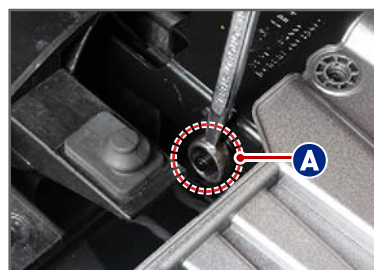
TIVOLI 2015.06

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92

► To horn (high)



2. Remove the mounting nut (A, 12 mm) for the horn (high).



3. Lift out the horn (high) assembly and disconnect the connector.



4. Remove the horn (high) assembly.



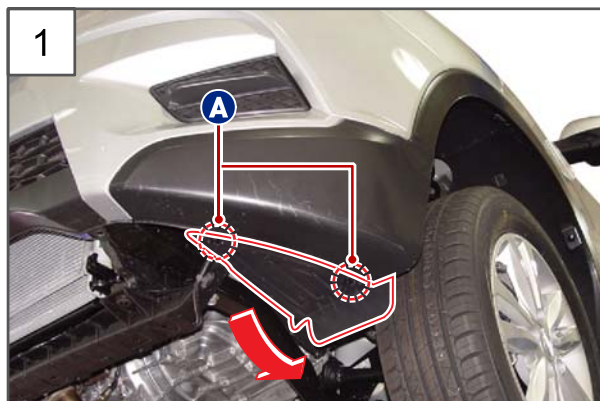
5. Install in the reverse order of removal.

Modification basis	
Application basis	
Accessories	

SWITCH

TIVOLI 2015.06

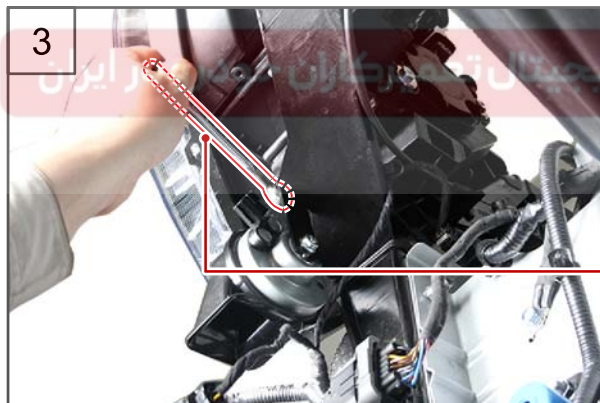
► To horn (low)



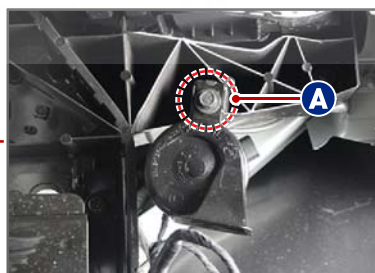
1. Undo the 2 driver wheel house cover mounting screw rivets (A) under the vehicle and pull it out to the arrow direction.



2. Disconnect the horn (low) connector.



3. Remove the mounting bolt (A, 12 mm) for the horn (high).



4. Remove the horn (low).



5. Install in the reverse order of removal.

دیجیتال خودرو

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اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



FUSE

BCM

SKM

INSTRUMENT

SWITCH

LAMP

WIPER AND

AVN

MP3 AUDIO

LCD AUDIO

ISG SYSTEM

Modification basis	
Application basis	
Approved by	

SWITCH

TIVOLI 2015.06

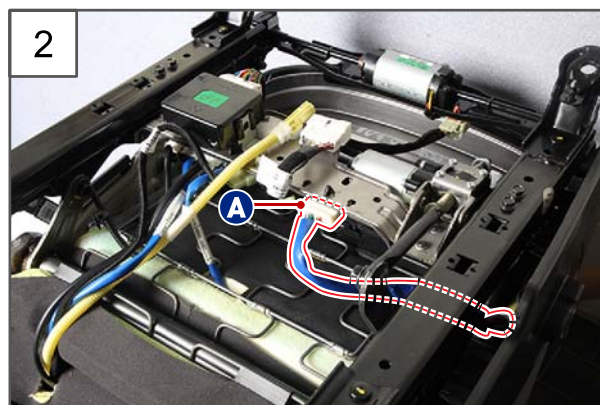
S.G.N.

7410-26 POWER SEAT SWITCH ASSEMBLY**Preceding work** - Disconnect the negative battery cable.

1. Remove the driver's seat.

NOTE

Refer to "FRONT SEAT ASSEMBLY" under "REMOVAL AND INSTALLATION" subsection of "SEAT/SEAT BELT" section in "BODY" chapter.



2. Disconnect the power seat switch connector (A) under the driver's seat.

SWITCH

TIVOLI 2015.06

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92



3. Prise apart the power seat panel using a flat bladed screwdriver.



4. Remove the power seat panel by sliding it forward.

CAUTION

Take care not to damage the fixing clips (5 off) when removing the power seat panel.

Power seat panel mountings



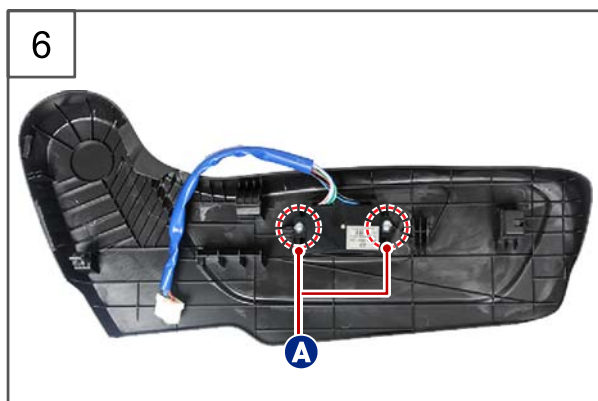
5. Prise apart the power seat switch nob with a flat bladed screwdriver.



Modification basis	
Application basis	
Accessories	

SWITCH

TIVOLI 2015.06



6. Remove the 2 mounting screws (A) for the power seat switch at the back side of the power seat panel.



7. Remove the power seat switch.



8. Install in the reverse order of removal.

S.G.N.

8510-01

FRONT SEAT HEATER AND VENTILATION SWITCH ASSEMBLY

Preceding work

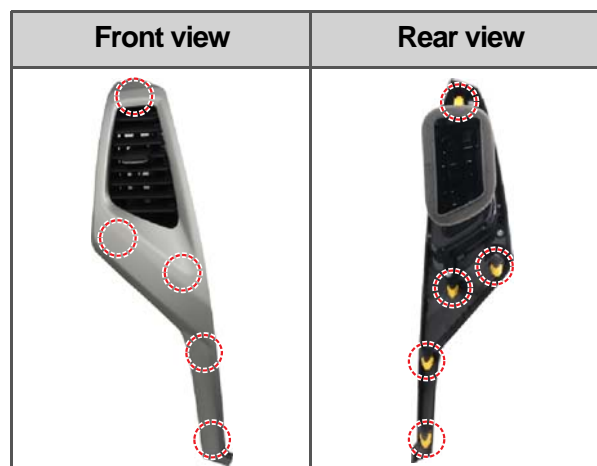
- Disconnect the negative battery cable.



1. Remove the center fascia LH panel by prying off the bottom (A) using a hand remover. (The same method applies to the RH panel.)

CAUTION

Take care not to damage the fixing clips (5 off) when removing the center fascia LH panel.



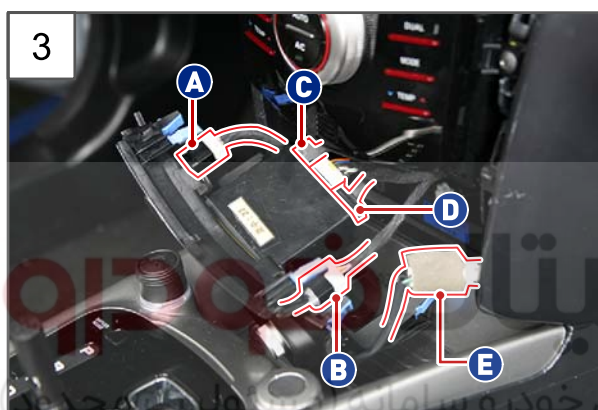
Modification basis	
Application basis	
Approval basis	

SWITCH

TIVOLI 2015.06



2. Prise apart the center fascia front seat heater switch assembly panel with a hand remover.



3. Disconnect the connectors at the rear side of the front seat heater switch assembly panel.

(A) Driver's seat heater and ventilation switch connector

(B) Passenger's seat heater switch connector

(C) USB connector

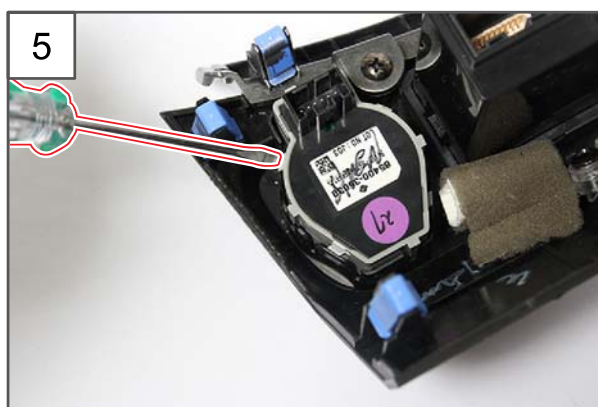
(D) HDMI connector

(E) IP center lower mood lamp connector



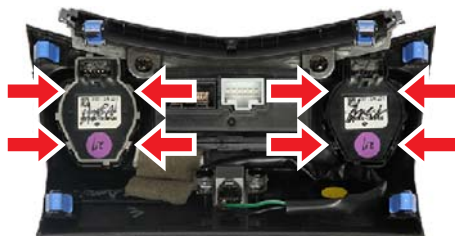
4. Remove the front seat heater switch assembly panel completely.

Retaining clip (6 off)

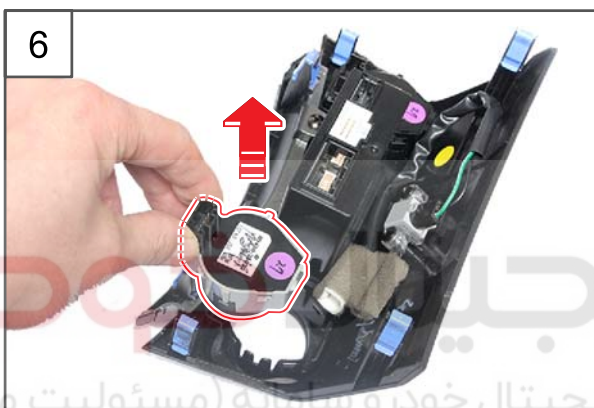


5. Prise off the 4 mountings for the driver's seat heater and ventilation switch and passenger's seat heater switch on the rear side of the front seat heater switch assembly panel.

4 mountings for each switch



6



6. Remove the driver's seat heater and ventilation switch and passenger's seat heater switch.

7



7. Install in the reverse order of removal.

**NOTE**

The removal and installation are the same for the driver and passenger sides.

Modification basis	
Application basis	
Accessories	

SWITCH

TIVOLI 2015.06

S.G.N.

8520-10

REAR SEAT HEATER SWITCH

Preceding work

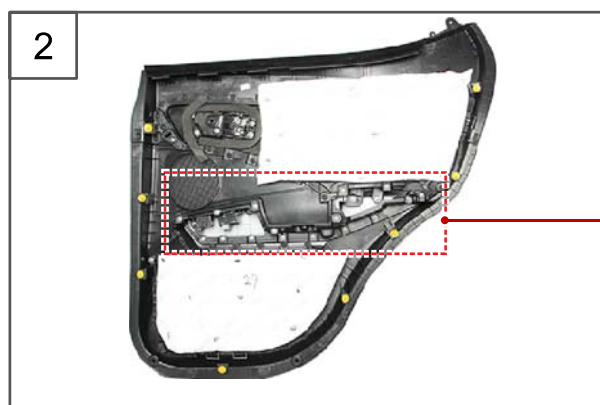
- Disconnect the negative battery cable.



1. Remove the rear door trim.

**NOTE**

Refer to "REAR DOOR TRIM ASSEMBLY" under "REMOVAL AND INSTALLATION" subsection of "BODY INTERIOR" section in "BODY" chapter.



2. Remove the 15 mounting screws for the rear door trim pull handle cover on the inside of the door trim.

Mounting screw -15 off

SWITCH

TIVOLI 2015.06

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92



3. Remove the rear door trim pull handle cover from the outside of the rear door trim.

Rear door trim pull handle cover



4. Unscrew the 2 mounting screws for the power window main switch on the inside of the door trim.



5. Remove the power window sub switch.

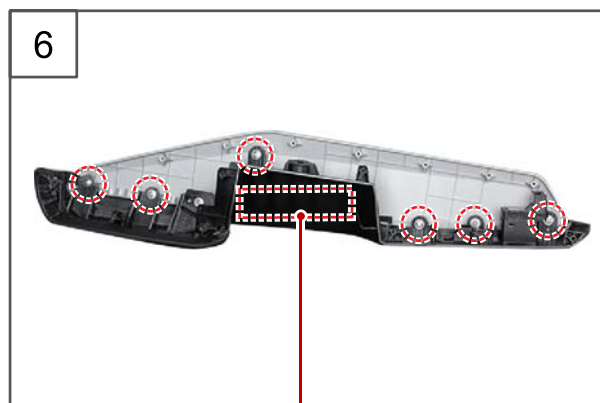
Front window sub switch



Modification basis	
Application basis	
Reference VIN	

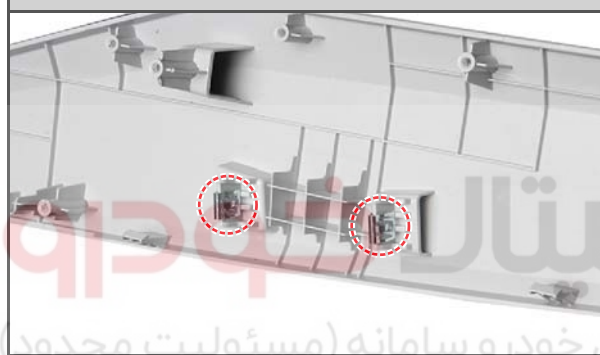
SWITCH

TIVOLI 2015.06

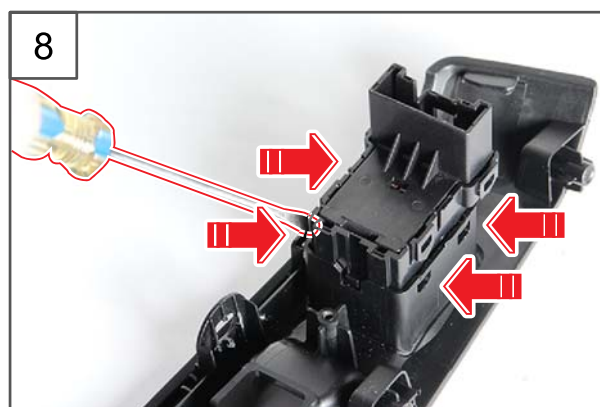


6. Remove the 7 mounting screws for the rear door trim pull handle cover and disengage the mounting clip (A).

Mounting clip section (A)

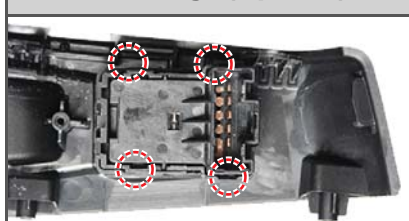


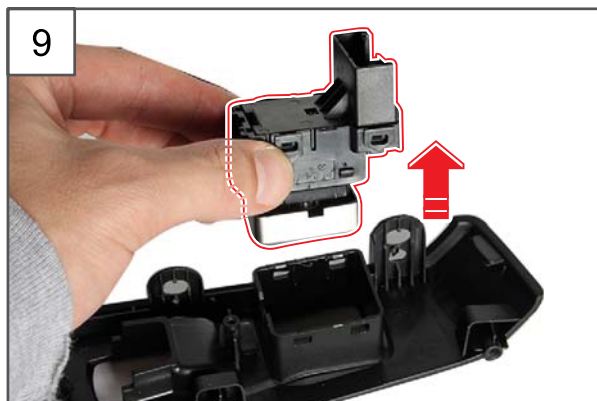
7. Remove the rear door trim pull handle cover.



8. Detach the rear seat heater switch mountings from the rear door trim pull handle cover with a flat bladed screwdriver.

Mountings (4 points)





9. Remove the rear heater switch from the rear door trim pull handle cover.



10. Install in the reverse order of removal.

FUSE

BCM

SKM

INSTRUMENT

SWITCH

LAMP

WIPER AND

AVN

MP3 AUDIO

LCD AUDIO

ISG SYSTEM



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Modification basis	
Application basis	
Accessories	

SWITCH

TIVOLI 2015.06

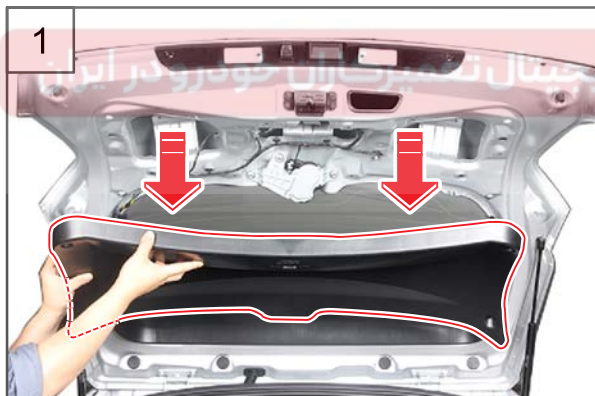
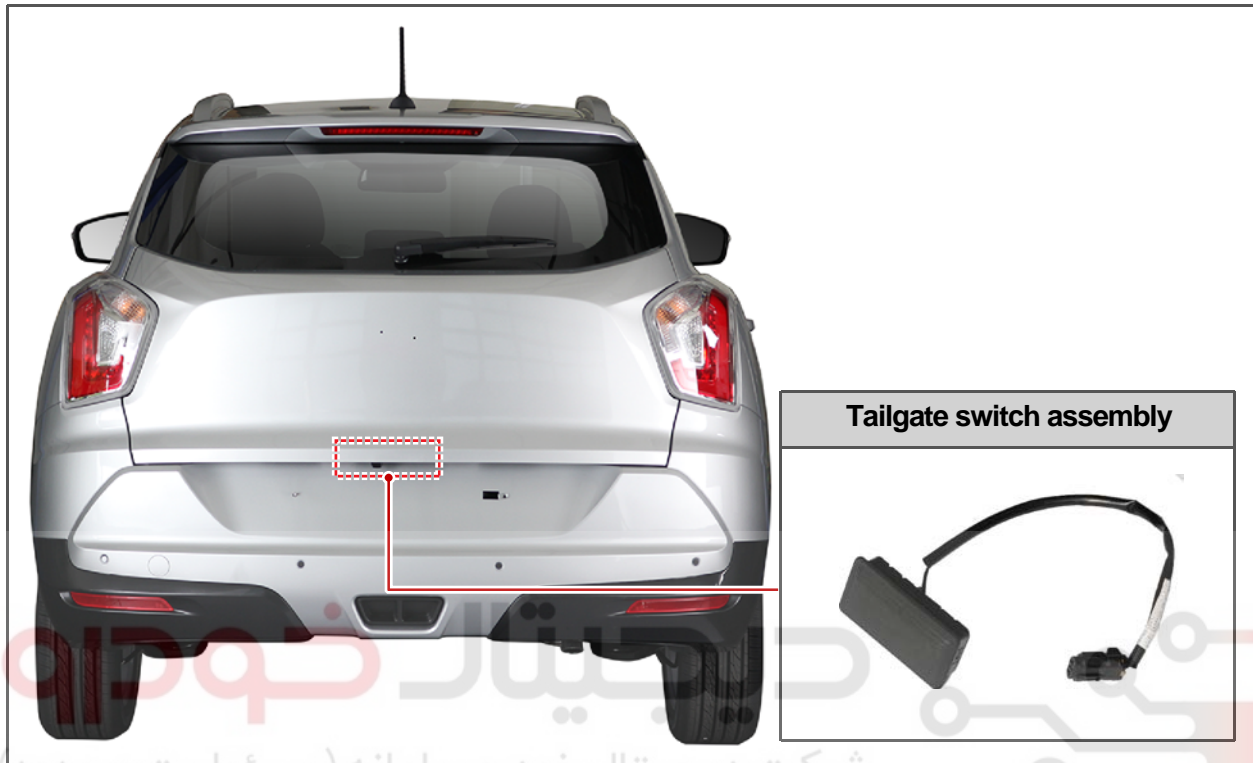
S.G.N.

8520-16

TAILGATE SWITCH ASSEMBLY

Preceding work

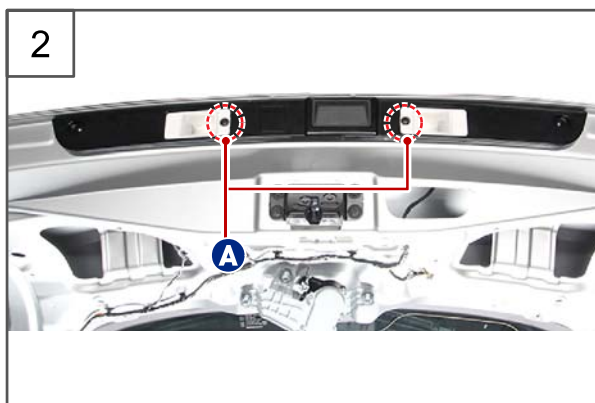
- Disconnect the negative cable from the battery.



1. Remove the tailgate trim.

NOTE

Refer to "TAILGATE TRIM ASSEMBLY" under "REMOVAL AND INSTALLATION" subsection of "BODY INTERIOR" section in "BODY" chapter.



2. Remove the mounting screws (A) for the license plate lamps to pull out the license plate lamps.

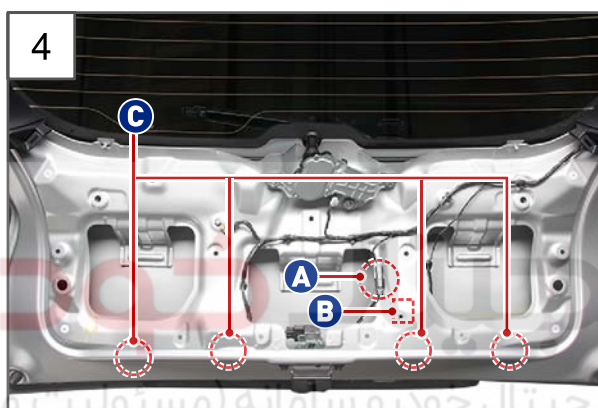
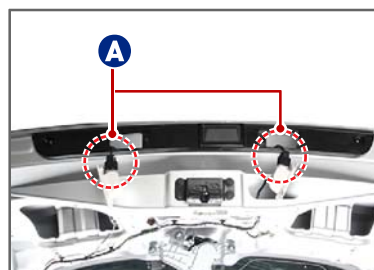
SWITCH

TIVOLI 2015.06

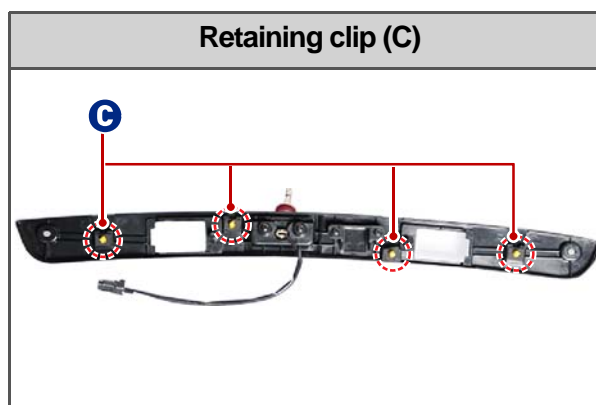
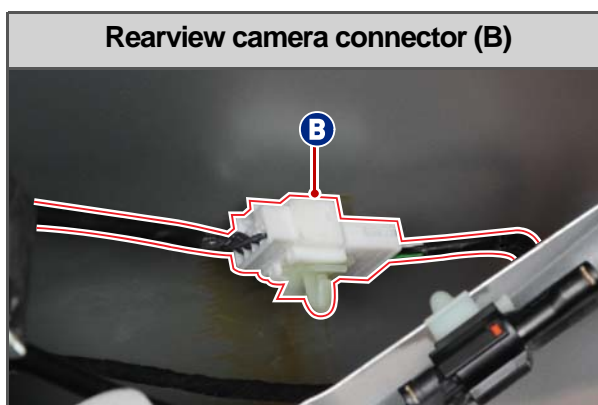
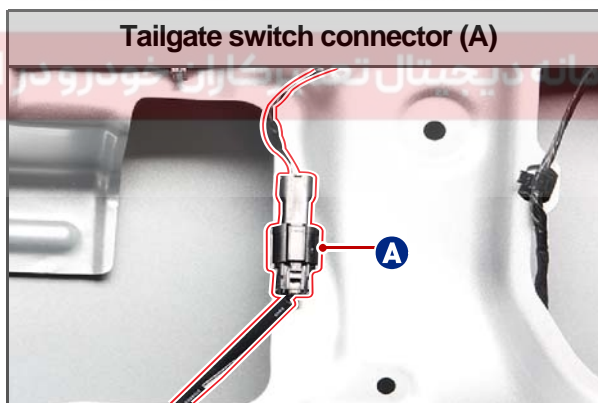
Modification basis	
Application basis	
Affected VIN	021 62 99 92 92



3. Disconnect the connectors (A) to remove the license plate lamps.



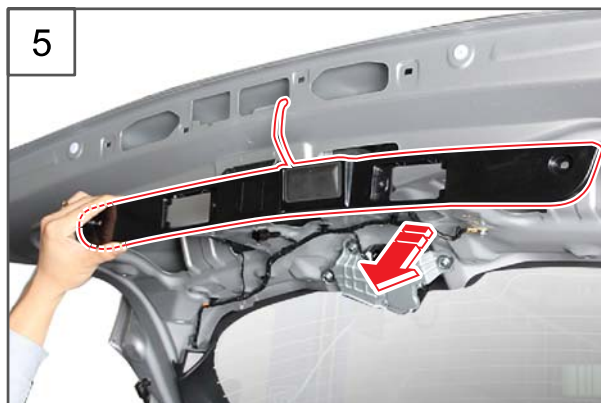
4. Disconnect the tailgate switch connector (A) and rearview camera connector (B) and disengage the retaining clips (C) on the inside of the tailgate panel.



Modification basis	
Application basis	
Accessories	

SWITCH

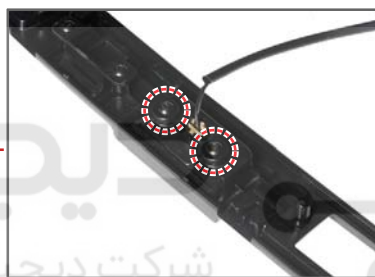
TIVOLI 2015.06



5. Remove the tailgate switch panel from the outside of the tailgate panel.



6. Remove the 2 mounting screws for the tailgate switch.



7. Remove the tailgate switch.



8. Install in the reverse order of removal.

S.G.N.

7770-20

OVERHEAD CONSOLE SWITCH ASSEMBLY

Preceding work

- Disconnect the negative battery cable.



1. Unscrew the 2 mounting bolts (10 mm) on the overhead console.



2. Detach the overhead console by disengaging the clips (A).

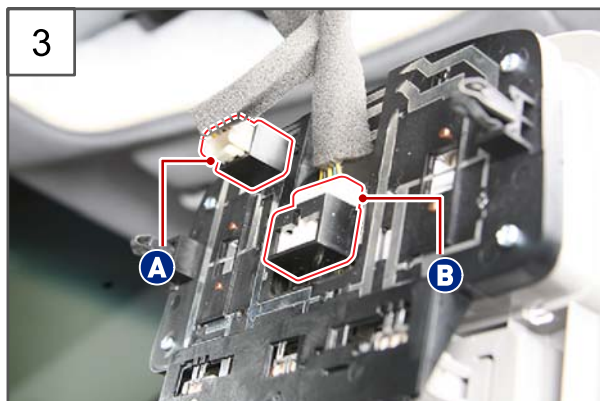
Mounting clip section (A)



Modification basis	
Application basis	

SWITCH

TIVOLI 2015.06



3. Disconnect the front room lamp connector (A) and the sunroof switch connector (B).



4. Remove the overhead console switch assembly.



5. Install in the reverse order of removal.

S.G.N.

8510-08

START/STOP SWITCH AND EMERGENCY ANTENNA

Preceding work

- Disconnect the negative battery cable.



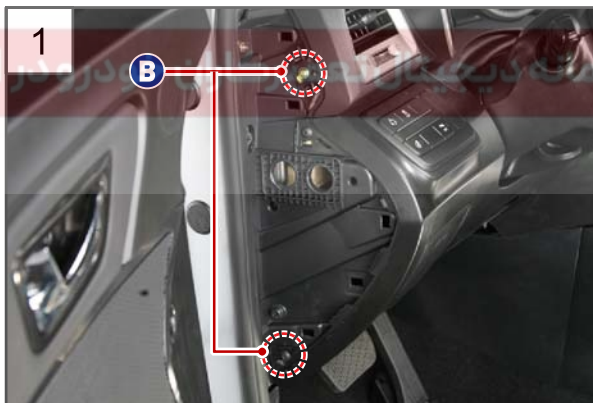
START/STOP switch



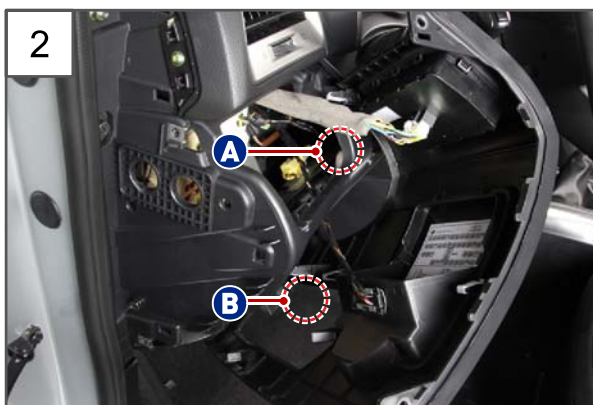
Emergency antenna



شرکت دیجیتال خودرو (مسئولیت محدود)



1. Remove the 2 mounting screws (B) for the lower main panel after remove the LH crash pad side cover (A).



2. Remove the lower main panel, disconnect the connector (B, lower main switch) and (C, diagnosis connector) and remove the lower main panel.

Modification basis	
Application basis	
Approval basis	

SWITCH

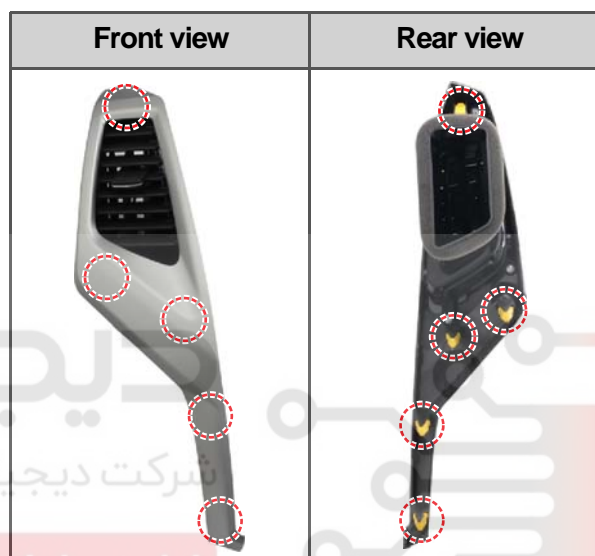
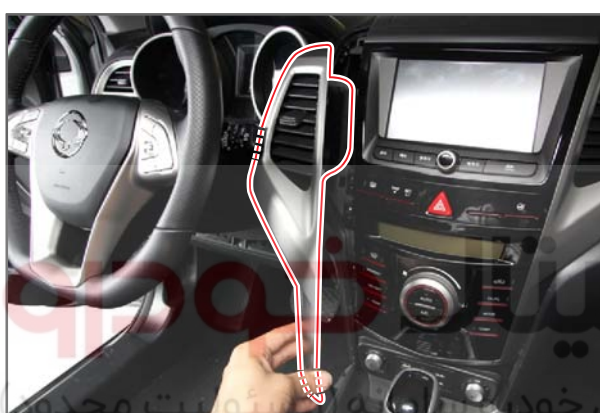
TIVOLI 2015.06



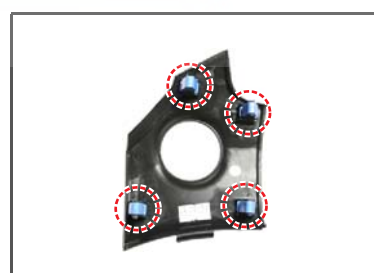
3. Remove the center fascia LH panel by prying off the bottom (A) using a hand remover.

CAUTION

Take care not to damage the fixing clips (5 off) when removing the center fascia LH panel.



4. Remove the side cover LH.



5. Remove the 3 mounting screws for the START/STOP switch.





6. Remove the START/STOP switch connector (A) and emergency antenna connector (B).



7. Remove the START/STOP switch.



8. Remove the START/STOP switch (B) from the emergency antenna (A).

Emergency antenna	START/STOP switch

9. Install in the reverse order of removal.

Modification basis	
Application basis	
Effective date	

SWITCH

TIVOLI 2015.06

S.G.N.

8610-35

CIGARETTE LIGHTER ASSEMBLY

Preceding work

- Disconnect the negative battery cable.



Cigarette lighter

شرکت دیجیتال خودرو (مسئولیت محدود)



1. Remove the center fascia lower panel assembly.

**NOTE**

Refer to "INSTRUMENT PANEL" under "REMOVAL AND INSTALLATION" subsection of "BODY INTERIOR" section in "BODY" chapter.



2. Disconnect the cigarette lighter power and lamp connector at the rear side of the center fascia lower panel.

SWITCH

TIVOLI 2015.06

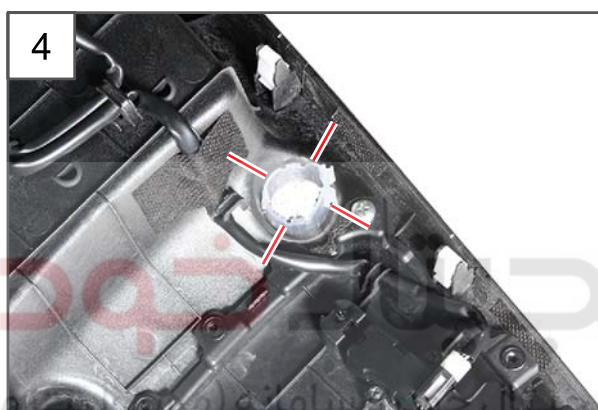
Modification basis	
Application basis	
Affected VIN	021 62 99 92 92



3. Disengage the 2 retaining keys for the cigarette lighter socket with a flat bladed screwdriver and lift out the cigarette lighter socket in the direction of the arrow.



4. Disengage the 4 retaining keys for the cigarette lighter socket cover with a flat bladed screwdriver.



5. Remove the cigarette lighter socket cover.



6. Install in the reverse order of removal.



Modification basis	
Application basis	
Reference VIN	

SWITCH

TIVOLI 2015.06

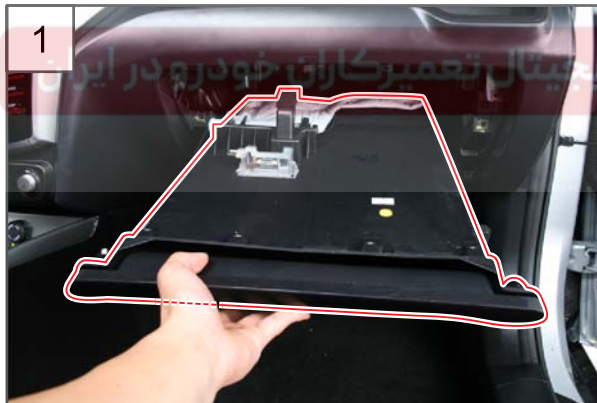
S.G.N.

8510-17 PAB OFF SWITCH

Preceding work - Disconnect the negative battery cable.



شرکت دیجیتال خودرو سامانه (مسئولیت محدود)



1. Remove the glove box assembly.

NOTE

Refer to "GLOVE BOX" under "REMOVAL AND INSTALLATION" in "BODY INTERIOR" chapter.



2. Disconnect the connector at the rear side of the PAB OFF switch from inside RH crash side cover and remove the switch by pressing the 2 mounting keys.

2 mounting keys



SWITCH

TIVOLI 2015.06

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92



3. Remove the PAB OFF switch.



4. Install in the reverse order of removal.

FUSE

BCM

SKM

INSTRUMENT

SWITCH

LAMP

WIPER AND

AVN

MP3 AUDIO

LCD AUDIO

ISG SYSTEM



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Modification basis	
Application basis	
Accessories	

SWITCH

TIVOLI 2015.06

Memo

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