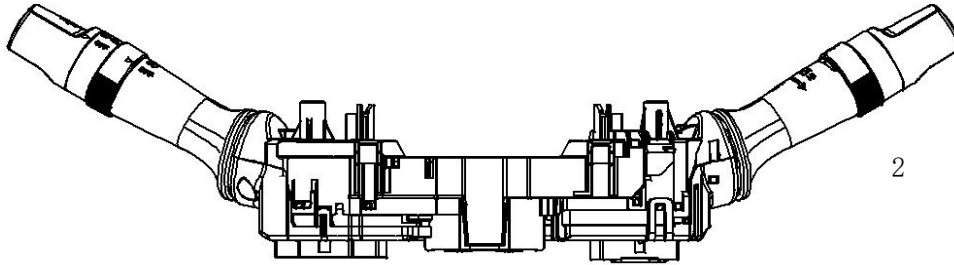




Combination Switch

Descriptions



Combination Switch Assembly Diagram

1. Lighting control switch
2. Wiper control switch

2. Lighting control switch

It controls the signals from the turn lights LH/RH, headlight, front fog lamp, side turn light and overtaking light.

It controls the signals from the side turn light and overtaking light. The headlights work in operation mode of headlight, it can also implement the conversion of two functions from the high beam to low beam, from the low beam to high beam.

1) Turn light

There are two Up-positions (Right turn) and two Down-positions (Left turn) on the turn signal lever, which are used to deliver the turn signal.

To deliver a change lane signal, push the operating lever up or down till the end. When the turn is finished, the operating lever will automatically retract. There are two flashing arrows on the combination instrument, which display the turn direction signals.

It is still required to push the operating rod upward or downward thoroughly and





loosen the operating rod, to send out the lane-changing signal. The operating rod will automatically reset, when vehicle lane-changing operation is completed. When driver sends out turning or lane-changing signal, if turn arrow flashes too fast, the signal light may possibly have burned out, and other drivers will not be able to see the sent turning signal. If certain bulb is burned out, it shall be replaced, to avoid traffic accident. The bulb shall be checked as to whether or not it is burned out, and then the fuse is to be inspected, if turn arrow on the instrument fails to flash when driver sends out turning or lane-changing signal.

2) Headlight/low beam converter



If you wish to convert the headlight from the low beam to high beam, push the turn signal/multi-function operating lever deviated from the driver. With the high beam connected, the combination instrument will display the high beam signal if the ignition switch is communicated.

If you wish to convert the headlight from the high beam to low beam, push the turn signal/multi-function operating lever toward the driver.

3) Overtaking flash

This function enables the driver to deliver the overtaking signal to the headed driver by using the high beam headlight. In use of this function, pull the turn signal /multi-function operating lever toward the driver until the headlight high beam starts shining, and then release the operating lever to turn off the headlight.

4) Front fog lamp

Front and rear fog light switch is located on the turn signal lever. When  the end of the bucket switch is in the  position, you can rotate the lever central knob to turn the front fog lights, position open the rear fog lights on, at this point in the instrument cluster * (front and rear fog light indicator light goes on as a reminder . Turn to the position "OFF" to shut down the fog lights.



2. Wiper control switch

1) Wiper operating control modes (wash, intermittent, low-speed and high-speed.

Clearance, low-speed, high-speed). Wiper in clearance document

When the wiper is located on the space gear,

there are three mode options as high, mid and low.

Use the operating lever on right side of steering column to operate the front windshield wiper.

Windshield wiper is only with the ignition switch communicated that the front windshield wiper can be operated.

Front windshield

Turn the operating lever to this position, allowing the high-speed wiping.

Turn the operating lever to this position, allowing the low-speed wiping.

Turn the operating lever to this position, allowing the option for a circle of delayed wiping.

Move the mid-section of wiper operating lever to the LO, allowing the increased delay, and to the HI, allowing the decreased delay. It is only with the operating lever on the INT position that the wiper speed can be regulated.

2) Front windshield washing liquid

To wipe the front windshield, pull the washing liquid operating lever of front windshield wiper toward the driver with the ignition switch already communicated.

Caution:

■ In freezing weather, the wiper will not be operated without preheating the front windshield. Otherwise the washing liquid will freeze on the front windshield and obstruct the driver's view.

■ When the operating lever is released, the scrubber will stop working, but the





wiper will continues to run about three circles, then stop wiping or restore the initial wiping speed previously used by the driver

Component check

According to the table below, check the conductivity between the terminals of wire connectors. If the conductivity between the wiring connectors and all terminals is non-conform to that as stated in the diagram, change the switch.

Connector code		1	2	3	4	5	6	7	8	9	10	11	12	13	Remarks
		GND	TS	AUTO	HS	FB	Fr	Rr	HL	HU	DB	TL	TB	TR	
Lamp	AUTO														
	Small lamp		○—○												
	Headlamp		○—○	○—○											
Fog lamp	Front fog lamp					○—○									
	Rear fog lamp					○—○	○—○								
	Left steering											○—○			
Steering	OFF														
	Right steering												○—○		
Dimming	Distant light											○—○			
	Near light											○—○			
	Overtaking		○—○									○—○			

Light lever switch continuity figure

Connector code		1	2	3	4	5	6	7	8	9	10	11	12	13	14	Remarks
		MIST	PRK	LO		RWS	IGN_R	RWP	INT	HI	IGN	WS	INT_B	INT_T		
Front wiper	Inching	○	○—○								○					
	OFF		○—○													
	INT		○—○						○	○						
	LO			○							○					
	HI									○	○					
Pre-wash	OFF															
	ON										○	○				
Anteroposterior													○—○			F→0ΩS→52kΩ

Wiper lever switch continuity figure



Replacement of combination switch

Caution:

■ Before removing the electrical connectors, the battery negative pole has to be removed and wait for at least more than 3m, otherwise it will damage the car.

■ When removing and installing component, protect the parts to be detached with cloth so as to prevent damage.

■ When removing the metal clamps from the trim parts, wrap the flat screwdriver edge with cloth.

■ Be careful not to damage the body components.

■ When installing the body trim parts, first confirm clamps securely fitted in the plate orifice on the body, then carefully press them in.

■ In case where the removal/installation of some larger components cannot be achieved by one person, then two should be available for operation so as to prevent the drop-down.

■ Do not use excessive force when removing and installing some trim parts, for it may cause the part deformation.

1. Removal

- 1) Disconnect the battery negative pole and wait for at least 3m.
- 2) Remove the steering wheel air bag module
- 3) Remove the steering wheel.
- 4) Remove the top/lower covers of steering column.
- 5) Remove air bag clock spring, and the clock spring is easy to be damaged, make sure 3 pins have been completely parted from the clock spring before removing it.

6) Disconnect the combination switch connector.

7) Remove three fixing screws of combination switch.

8) Take out the combination switch assembly.

2. Installation.

Installation is the reverse order of removal.

■ Tightening torque of fixing screw: 4 N·m



Check after installation

1. Operate the lighting handle of combination switch and check all lights and switches for proper working condition:

2. When the lighting handle on the position "OFF", all exterior lights and the night guide lamp of interior electric equipment should go out.

3. When the lighting handle on the small light, the marker lamps, F/R position lamps, license plate lamp, instrument lighting and the night guide lamp of interior electric equipment should light up.

4. When the lighting handle on the small light, press down the front (rear) fog lamp switch, all front (rear) fog lamps should light up.

5. When the lighting handle on the position large light, the low beam of headlight should light up, and all clearance lights remain in shining state. At this time, push down the handle, the high beam of headlight will light up; return the handle to the original position, then pull it up, the high beam lights up, and it will reset automatically when is released.

6. When the lighting handle turned forward (backward) about 12°, all right (left) turn lights start flashing, and the right (left) turn indicators on the instrument starts flashing, it will stop flashing when the handle reset on the original position. When the handle turned forward (backward) about 9°, the right (left) turn light flashes, and reset automatically when the handle released.

7. When the alarm switch is pressed, all turn lights should flash together while the L/R turn indicator lights on the instrument should do the same.

8. Operate the wiper/wash of combination switch and check the wiper, scrubber for proper operation:

1) When the handle on the position OFF, the wiper and scrubber are motionless.

2) When the handle on the position INT, the wiper bar moves intermittently according to a fixed interval.

3) When the interval regulating button turned to enables the time to vary between FAST and SLOW, the interval of wiper bar movement changes.



- 4) When the handle on the position LO, the wiper bar keeps moving at lower speed.
- 5) When the handle on the position HI, the wiper bar keeps moving at higher speed.
- 6) Press down the wash button at the end of handle during the wiper operation, toggle the operating handle RH of combination switch about 6° toward your body, the scrubber nozzle will sprinkle the wash liquid on the front windshield.

دیجیتال خودرو

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