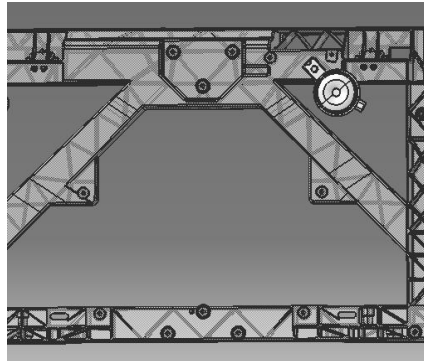


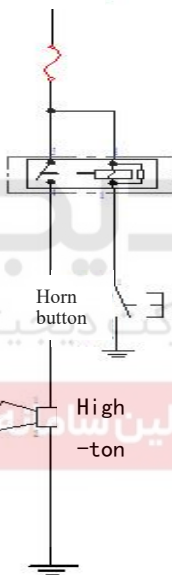
Horn

Component position



Schematic

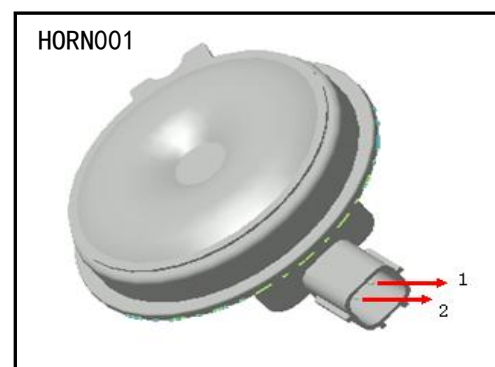
Battery



Horn system Schematic

Horn check

1. Remove the front bumper. Front bumper replacement
2. Disconnect the horn connector.



horn-1

3. Connect the horn terminal no.1 with the battery positive, the terminal no. 2 with the battery negative, horn should beep
4. If the horn doesn't beep, it should be replaced.

Trouble inspection and repair

Check List of Horn

Steps	Measures	Sound outcome	Abnormal outcome
1	Press and release the horn button	When the horn button is pressed, the horn will beep. When the horn button is released, the horn stops beeping.	Horn inoperable. Horn-abnormal beeping.

1. Horn out of operation

Check List of the Horn out of Operation

Steps	Measures	Yes	No
1	Check if the fuse of fuse box F09 in the engine housing is blown out.	To step 3	To step 2
2	1. Pull up the connector of horn assembly. 2. Contact with the test lamp, the horn assembly connectors between the terminals no.1 and 2. 3. Press down the horn button, while observing the test lamp to prove if it is bright. Test lamp if it is lit	To step 4	To step 5
3	After the failures due to other circuit reasons eliminated, replace the horn fuse to see if the failure has been eliminated.		To step 2
4	Replace the horn assembly		
5	1. Reconnect the horn. 2. Disconnect the horn replay. 3. Establish the contact between the relay pins 4 and 5 with the test lamp to see if the horn beeps. Does horn sound?	To step 8	To step 6
6	Check the wirings between the horn, relay and ground line are normal.	To step 4	To step 7
7	Repair or replace the wirings between the horn, relay and ground line to see if the failure has been eliminated.		To step 4
8	1. Refit up the horn relay. 2. Disconnect the circuit system of safety airbag. 3. Remove the horn switch conductor from the	To step 9	To step 10

	steering wheel. 4. Establish the contact between horn button connector no.1 & 2 with the test lamp to see . Does horn sound?		
9	Replace the horn button.		
10	Check if the wirings between the horn buttons, relays and ground line are normal.	To step 12	To step 11
11	Repair or replace the wirings between the horn buttons, relay and ground line to see if the failure has been eliminated.		To step 12
12	Replace the horn relay.		

2. Abnormal of horn beeping

1) Operate the horn to verify if the horn operates properly.

2) If the horn beeping is apparently abnormal, carry out the routine test as follows:

① Check if the terminal is in sound contact; Repair any of detected poor contacts.

② Check the ground line. If any poor contacts detected, repair them.

③ Be sure of the fixing bolts of horn assembly properly tightened.

④ Be sure of no contact of horn assembly with any of other objects; if any contacts present, reconfirm the correct positions of other objects or any bent horn assembly bracket as necessary.

3) Operate the horn to verify if the problem persists. If the problem apparently present, please verify the type of sound quality produced by the horn:

■ Tone loudness

■ Tone sharp stridently weak

① If the tone apparently loud, it means the current is too high and the circuit should be checked. The horn assembly should be replaced when the circuit becomes normal.

② If the tone apparently strident and weak, the horn is possibly stuck with some foreign matters, remove the horn assembly and check if any foreign matters exist.

③ Clean out any adhesions and reinstall the horn assembly.

④ If any of foreign adhesions is detected, or those adhesions nor removable, replace the horn assembly.

- 4) Operate the horn to verify all concerns have been settled down.

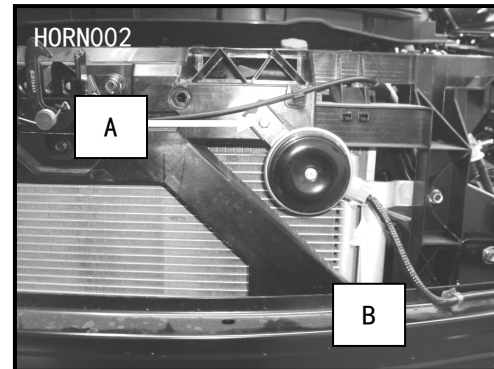
Removal and Replacement of horn

Caution:

■ Precautions for strict compliance with the operation of safety airbag system.

1. Removal:

- 1) Disconnect the horn connector A.
- 2) Remove the fixing bolts of horn.



- 3) Remove horn assembly.

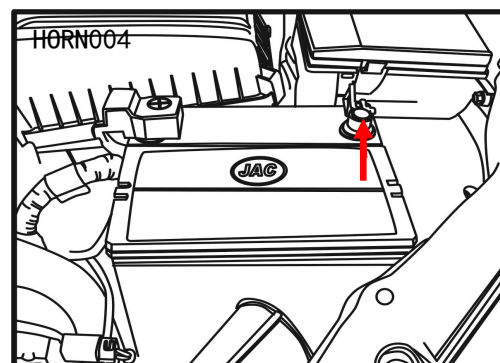
2. Installation

- 1) Install the horn assembly.
- Tightening torque: 5 N.m
- 2) Connect the connectors of horn assembly.
- 3) Cover up the engine hood

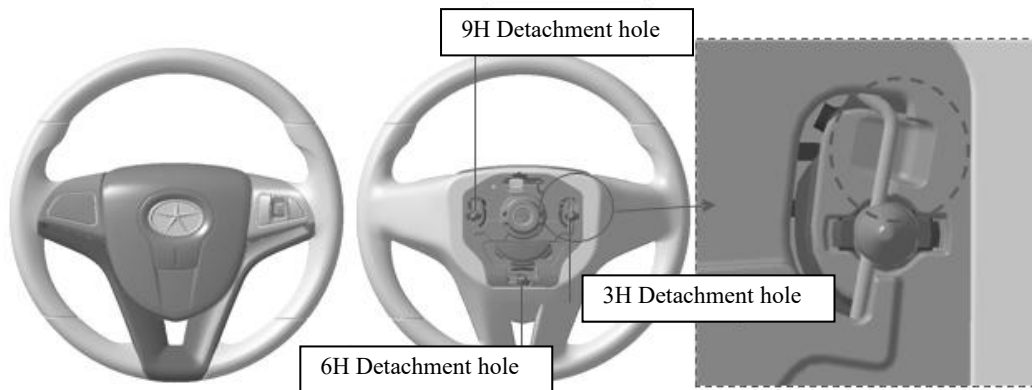
Replacement of horn button

1. Removal

- 1) Place the ignition switch on the position “OFF”.
- 2) Remove the battery negative.



3) Disconnect DAB

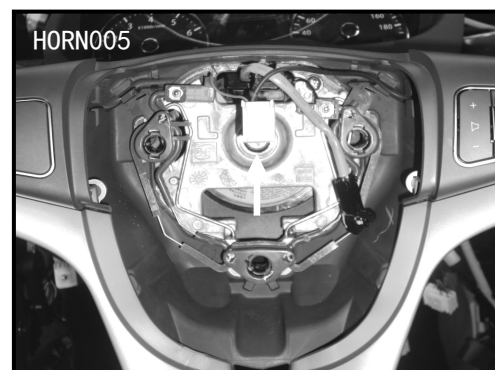


Schematic diagram of disconnecting DAB(3 steps), disconnecting tool is a straight screwdriver with length of 15cm.

- ① Rotate handwheel 90°anticlockwise, disconnect 3H hole's Groove with screwdriver(for detailed structure showed in diagram)
- ② Rotate handwheel 90°anticlockwise, disconnect 6H hole's Groove with screwdriver(for detailed structure showed in diagram)
- ③ Put the driving wheel back to middle, rotate it 90°clockwise, disconnect 6H hole's Groove with screwdriver(for detailed structure showed in diagram)

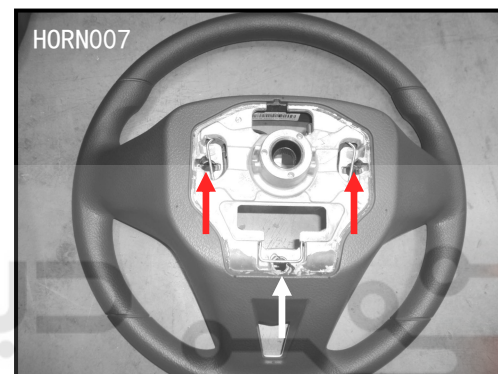
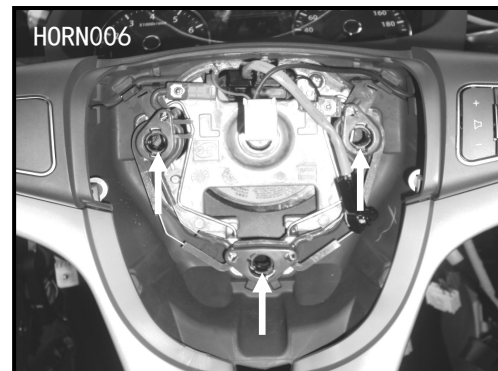
4) Disconnect the plug-in connectors for airbag module, and remove the driver side airbag module.

5) Disconnect the button connector on the steering wheel.



6) Remove steering wheel, see "the steering wheel replacement".

7) Remove the horn control assembly (3 plastic tabs) from the back of steering wheel.



8) Take out the horn button assembly.

2. Installation

Installation is the reverse order of removal. Thereinto, regarding DAB installation, you can simply press down the connect region of DAB and steering wheel, and check if they fit evenly.