

SEAT

**7410-00/7410-01/7410-05/7410-10/7410-30/7410-32/
7430-00/7430-01/7510-00/7510-01/7510-02/**

INDEX**SEAT****GENERAL INFORMATION**

| | |
|---------------------------------|---|
| 1. SPECIFICATIONS..... | 3 |
| 2. WARNINGS FOR POWER SEAT..... | 5 |
| 3. CAUTIONS FOR POWER SEAT..... | 5 |
| 4. MAJOR CHANGES..... | 6 |

**OVERVIEW AND OPERATING
PROCESS**

| | |
|--|----------|
| 1. SEAT/SEAT BELT OVERVIEW..... | 8 |
| 2. SEAT/SEAT BELT LAYOUT..... | 8 |
| 3. SEAT ADJUSTMENT AND OPERATION..... | 10 28 |
| 4. CHILD RESTRAINT SYSTEM (ISO FIX). | 32 |
| 5. CIRCUIT DIAGRAM..... | |

CONFIGURATION AND FUNCTIONS

| | |
|-------------------------|----|
| 7410-00 FRONT SEAT..... | 40 |
| 7510-00 REAR SEAT..... | 42 |

REMOVAL AND INSTALLATION

| | |
|---|----|
| 7410-01 DRIVER SEAT ASSEMBLY..... | 43 |
| 7410-01 PASSENGER SEAT ASSEMBLY. | 46 |
| 7510-01 REAR SEAT (LH, 6:4 SPLIT SEAT)..... | 49 |
| 7510-02 REAR SEAT (RH, 6:4 PARTITION SEAT)..... | 51 |
| 7430-00 SEAT BELT ASSEMBLY..... | 53 |
| 7430-01 REAR CENTER SEAT BELT (3-POINT TYPE)..... | 57 |
| 7410-10 FRONT SEAT BACK BOARD ASSEMBLY..... | 64 |
| 7410-32 HEATED WIRE AND VENTILATION UNIT ASSEMBLY. | 66 |
| 7410-05 FRONT HEAD RESTRAINT ASSEMBLY..... | 68 |
| 7410-30 ACTIVE HEAD RESTRAINT SENSOR..... | 71 |

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



SEAT

7410-00

GENERAL INFORMATION

1. SPECIFICATION

1) Specifications

| Item | | | | Front seat (driver) | Front seat (passenger) | Rear seat |
|------------------------------|------------------------|-------------------------|-------|--------------------------------------|--------------------------|--------------------------------|
| Type | | | | Manual 6-way | Manual 4-way | 4:6 split type |
| | | | | Automatic (power) 6-way | - | - |
| Height adjuster | | Manual | | ±25mm(Pump type) | - | - |
| | | Automatic | | ±25mm | - | - |
| Sliding | | | | 240mm (Front 190 mm + rear 50 mm) | ← | - |
| Recliner | | | | 66° (Front 20° + rear 46°) | ← | 17.5°(Front 7° + rear 10.5°) |
| Lumbar support | | | | Manual(2-level adjustment) | ← | - |
| Seat heating and ventilation | Rated voltage | | | 12V | ← | ← |
| | Operating voltage | | | 10V ~ 16V | ← | ← |
| | Heating temperature | Heating level | LOW | 25±4°C ~ 35±4°C | ← | 35±4°C ~ 45±3°C (ON → OFF) |
| | | | HI | 33±4°C ~ 43±3°C | ← | |
| | | Heating and ventilation | 1STEP | 35±3°C | ← | 35±4°C ~ 45±3°C (ON → OFF) |
| | | | 2STEP | 45±3°C | ← | |
| Head restraint | Conventional | Up/down | | 90mm (15mm x 6 steps) | 90mm (15mm x 6 steps) | 45mm (15mm x 3 steps) |
| | | Sliding | | 24mm (8mm x 3 steps) | 24mm (8mm x 3 steps) | - |
| | Electronic active type | | | 15° tilting | 15° tilting | - |
| Seat | | | | 3-point, ELR, PT, L/L | 3-point, ELR, PT, L/L | LH/RH and center: 3-point, ELR |
| Back pocket | | | | Mesh/leather type | Mesh/leather type | - |

| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

SEAT

KORANDO 2015.01

2) Seat Heated Wire and Ventilation Unit

| Item | | | Specifications | |
|---------------------------------------|-----------------------|--|------------------------|------------------------------|
| Seat heated wire and ventilation unit | Rated voltage | | DC 12 V | |
| | Operating voltage | | DC 9 V to 16 V | |
| | Operating temperature | | -30°C to + 80°C | |
| | Rated load | Heated wire (driver & passenger seats) | DC 12 V – 5 A ± 10% | |
| | | Ventilation (driver seat) | DC 12 V - max. 0.9 A | |
| | Cut off over-current | Heated wire (driver & passenger seats) | DC 12 V – 0.75 A ± 10% | |
| | | Ventilation (driver seat) | DC 12 V – 8.5 A ± 10% | |
| | Operating current | | Level 1 | DC 12 V – 0.5 A ± 10% |
| | | | Level 2 | DC 12 V – 0.6 A ± 10% |
| | Ventilation motor | Ventilation motor revolutions (rpm) | Seat cushion | Level 1 (2,400 RPM ± 10%) |
| | | | | Level 2 (2,750 RPM ± 10%) |
| | | | Seat back | Level 1 (3,160 RPM ± 10%) |
| | | | | Level 2 (3,660 RPM ± 10%) |

2. WARNINGS FOR POWER SEAT

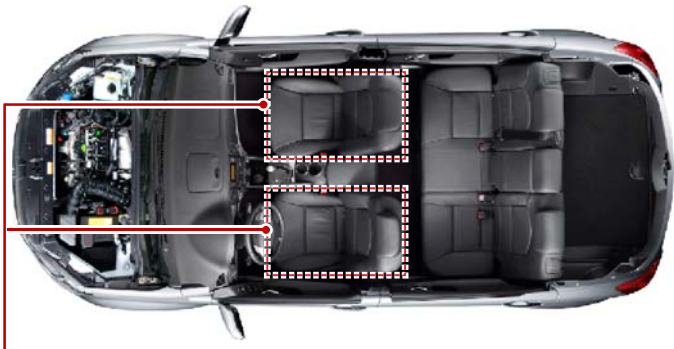
- ▷ Adjust the driver seat before driving.
- ▷ Make sure that the seat is firmly secured after adjusting.
- ▷ Never drive the vehicle with the head restraint removed or lowered excessively. Otherwise, your neck, spine or other parts of the body can be severely injured in the event of an accident.
If you recline the seatback excessively, you could slide under the seat belt and be injured severely in a collision.
- ▷ Do not put any object that could damage the seat on the seat.
- ▷ The front and rear seats are equipped with the heated wire (seat warmer) system. Using the seat warmer system excessively may cause minor burns. The following occupants should exercise special care when using the heated wire seat.
 - Infants, children, old or handicapped persons
 - Persons with sensitive skin
 - Exhausted persons
 - Persons who is drunk or took medicine which causes drowsiness such as sleeping pills, cold tablets, etc.
- ▷ Do not place anything on the seat that insulates against the heat, such as a blanket or cushion. Make sure that the head restraints are in place and secured properly. Never drive the vehicle with the head restraint removed.
- ▷ To minimize the injuries in a collision or an abrupt stop, make sure the seatback is in the upright position before driving. If the seatback is reclined too much, the occupant could slide under the seat belt in a collision or an abrupt stop and cannot be protected properly by the air bag system.

3. CAUTIONS FOR POWER SEAT

- ▷ You can operate the power seat with the ignition switch OFF. However, frequent operation of the seat switch with the engine stopped can result in battery becoming discharged.
- ▷ Operating more than one seat adjustment switch at the same time can cause damage to the seat motor. Therefore, operate the seat switch only one at a time.
- ▷ Do not use organic solvents such as benzene, thinner, alcohol or gasoline to prevent the seat cover from being damaged while cleaning.
- ▷ Do not operate the seat position adjustment switch forcefully when the seat does not move or it contacts an object.
- ▷ If the power seat is not operated, check and correct the problem before driving off.

| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

4. MAJOR CHANGES



| Front seat assembly | |
|---|---|
| | <p>Front seat head restraint</p> <p>25 mm moved</p> <p>Old</p> <p>New</p> <p>10° changed</p> <p>Head restraint rod's angle changed (approx. 25 mm pushed back)</p> |
| Front seat assembly | |
| With ventilation seat | |
| <p>Old</p> | <p>New</p> |
| <ul style="list-style-type: none">- Lumbar support (A) deleted- Seat back spring (B) changed- Ventilation motor (C) specification changed | |
| Without ventilation seat | |
| <p>Old</p> | <p>New</p> |
| <ul style="list-style-type: none">- Lumbar support (A) deleted- Seat back spring (B) changed | |

Memo

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



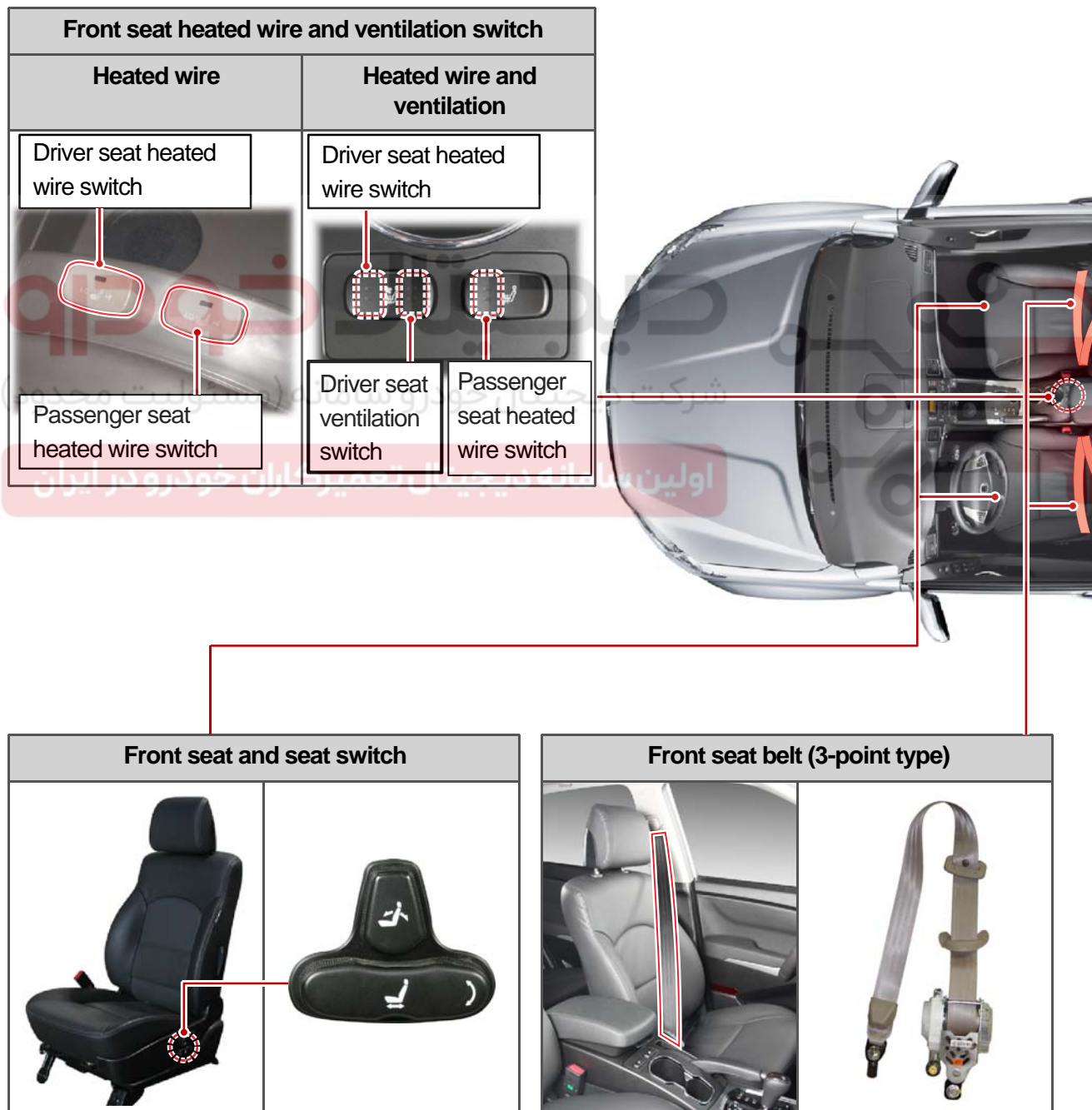
OVERVIEW AND OPERATING PROCESS

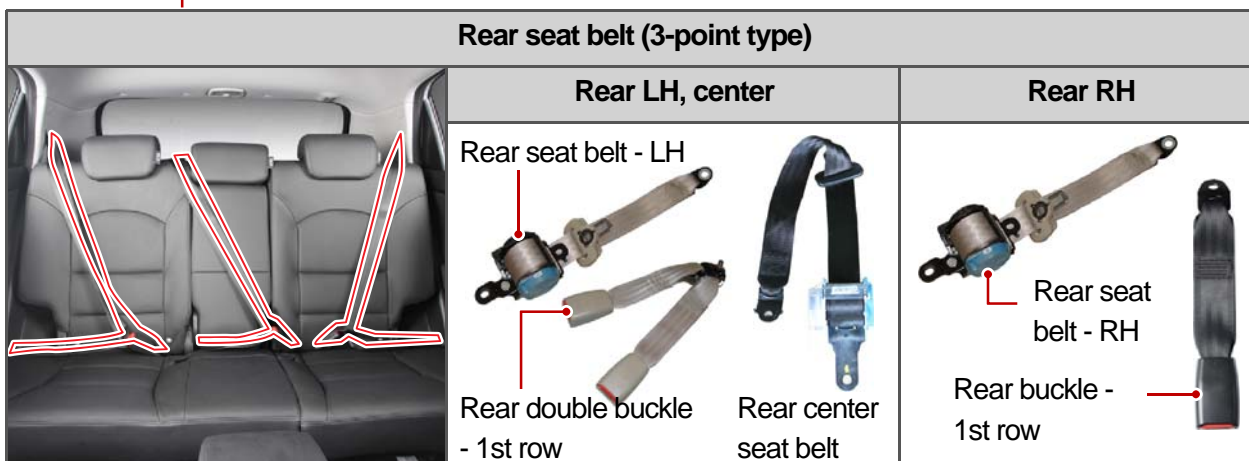
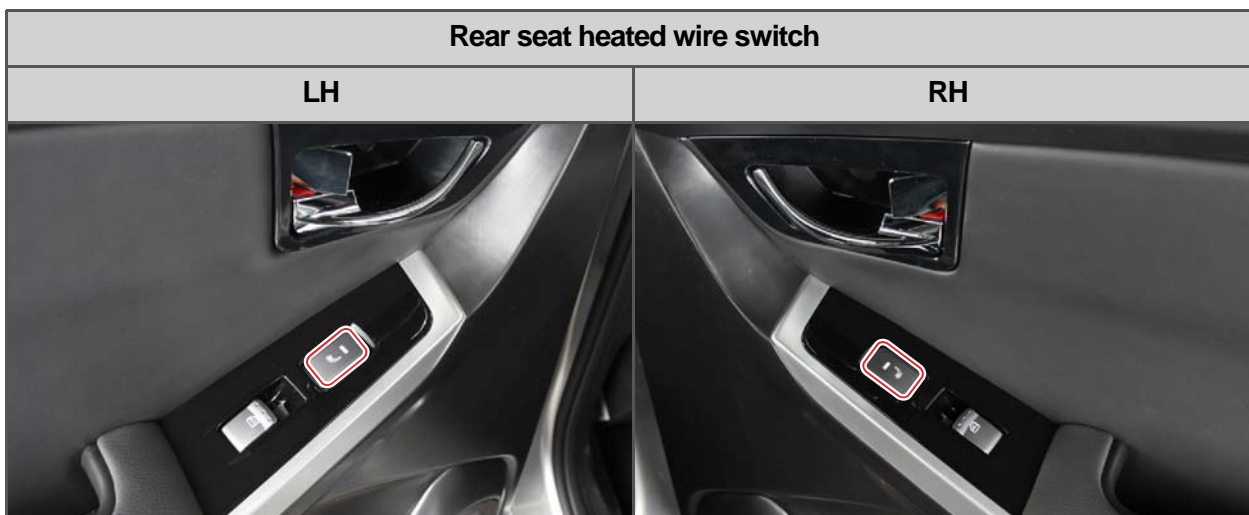
1. SEAT/SEAT BELT OVERVIEW

The seat is divided into front seat (driver & passenger) and rear seat.

The front seat has the heated wire in the seat cushion and seatback and the rear seat has it in the seat cushion. The ventilation function is only applied to the driver seat. The seat belts of all seats are 3-point type.

2. SEAT/SEAT BELT LAYOUT





| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

SEAT
KORANDO 2015.01

3. SEAT ADJUSTMENT AND OPERATION

1) Front Seat

There are 2 types of front seats: a) power seat that uses electric motor to move the seat and adjust the seatback and seat cushion; b) manual seat that a user has to operate the lever manually to adjust the seat.

However the head restraint and driver seat lumbar support should be adjusted manually for both types of seats. Heated wire is installed in the seatback and seat cushion, and ventilation function may be added to driver seat depending on vehicle specifications. The switch for the front seat heated wire and ventilation is located on the TGS lever side.

The front part of the active head restraint is separated and moved forward to protect the occupant's neck in the event of a rear-end collision. The active head restraints may be installed to both driver and passenger seats depending on the vehicle specifications.

► Head restraint adjustment



Head restraint adjustment (Height)





To raise the head restraint, pull upward on the head restraint. To lower the head restraint, push downward on the head restraint with the head restraint sleeve (A) pressed.

Head restraint adjustment (Tilting)





The head restraint can be moved forward/backward.

(1) Driver seat operation**► Seat slide adjustment (forward/rearward)**

| Power seat | Manual seat |
|--|---|
|  |  |
| <p>Moving the slide knob forward/backward moves the seat forward/backward by activating the slide motor.</p> | <p>To move the seat forward or backward, pull up and hold the seat slide lever and move the seat to the desired position.</p> |

► Seatback reclining adjustment



| Power seat | Manual seat |
|---|---|
|  |  |
| <p>Moving the upper part of the recliner knob forward/backward adjusts the seatback angle by activating the recliner motor.</p> | <p>Pull the recliner knob upward and adjust the seatback angle with the seatback lock released. Then release the recliner knob at the desired angle to lock the seatback.</p> |

| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

SEAT

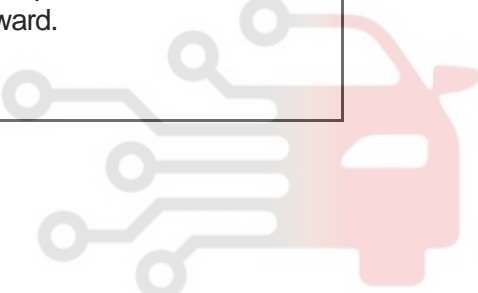
KORANDO 2015.01

► Seat adjustment (height)

| Power seat | Manual seat |
|---|--|
|  |  |
| <p>Moving the slide switch upward/downward moves the seat cushion upward/downward as the front & rear up/down motors rotate the rail.</p> | <p>Pulling the recliner knob upward/downward moves the seat upward/downward.</p> |

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



(2) Driver seat heated wire and ventilation functions

Driver seat heated wire

Driver seat heated wire switch
(vehicle with heated wire function only)

Seat back board



Driver seat ventilation

Driver seat heated wire and ventilation
switch (vehicle with heated wire and
ventilation functions)

| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

SEAT

KORANDO 2015.01

(3) Passenger seat operation

| Passenger seat | Seatback reclining adjustment |
|--|---|
|  |  <p>Pull the recliner knob upward and adjust the seatback angle with the seatback lock released. Then release the recliner knob at the desired angle to lock the seatback.</p> |
| | <p>Seat slide adjustment (forward/rearward)</p>  <p>To move the seat forward or backward, pull up and hold the seat slide lever and move the seat to the desired position.</p> |

(4) Passenger seat heated wire and functions

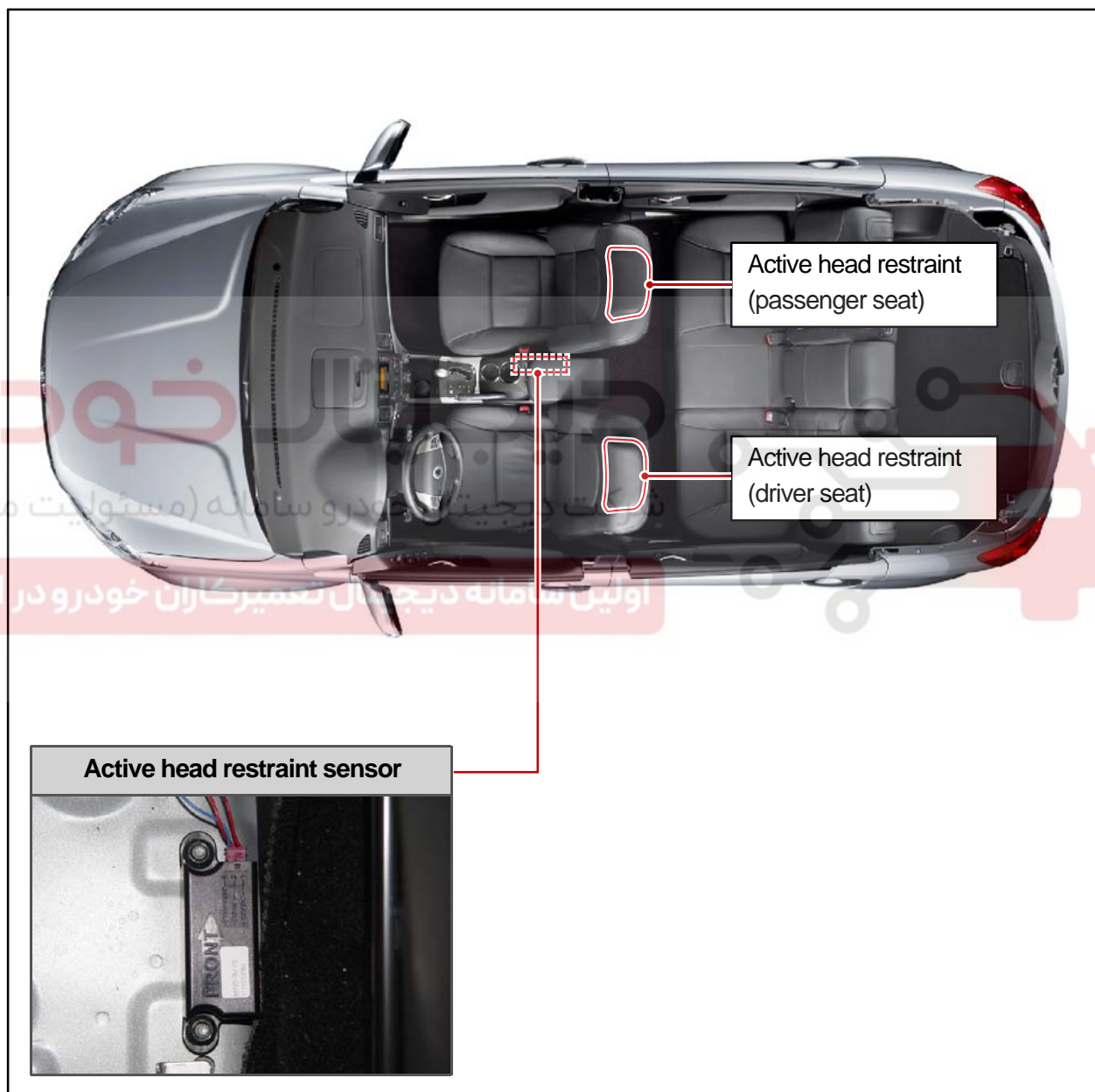
| Passenger seat heated wire | Passenger seat heated wire switch | |
|---|--|---|
|  | <p>Heated wire and ventilation</p>  | <p>Heated wire</p>  |
| | <p>Seat back board</p>  | |

2) Active Head Restraint

The front part of the active head restraint is separated and moved forward to protect the occupant's neck in the event of a rear-end collision.

The active head restraints may be installed to both driver and passenger seats depending on the vehicle specifications.

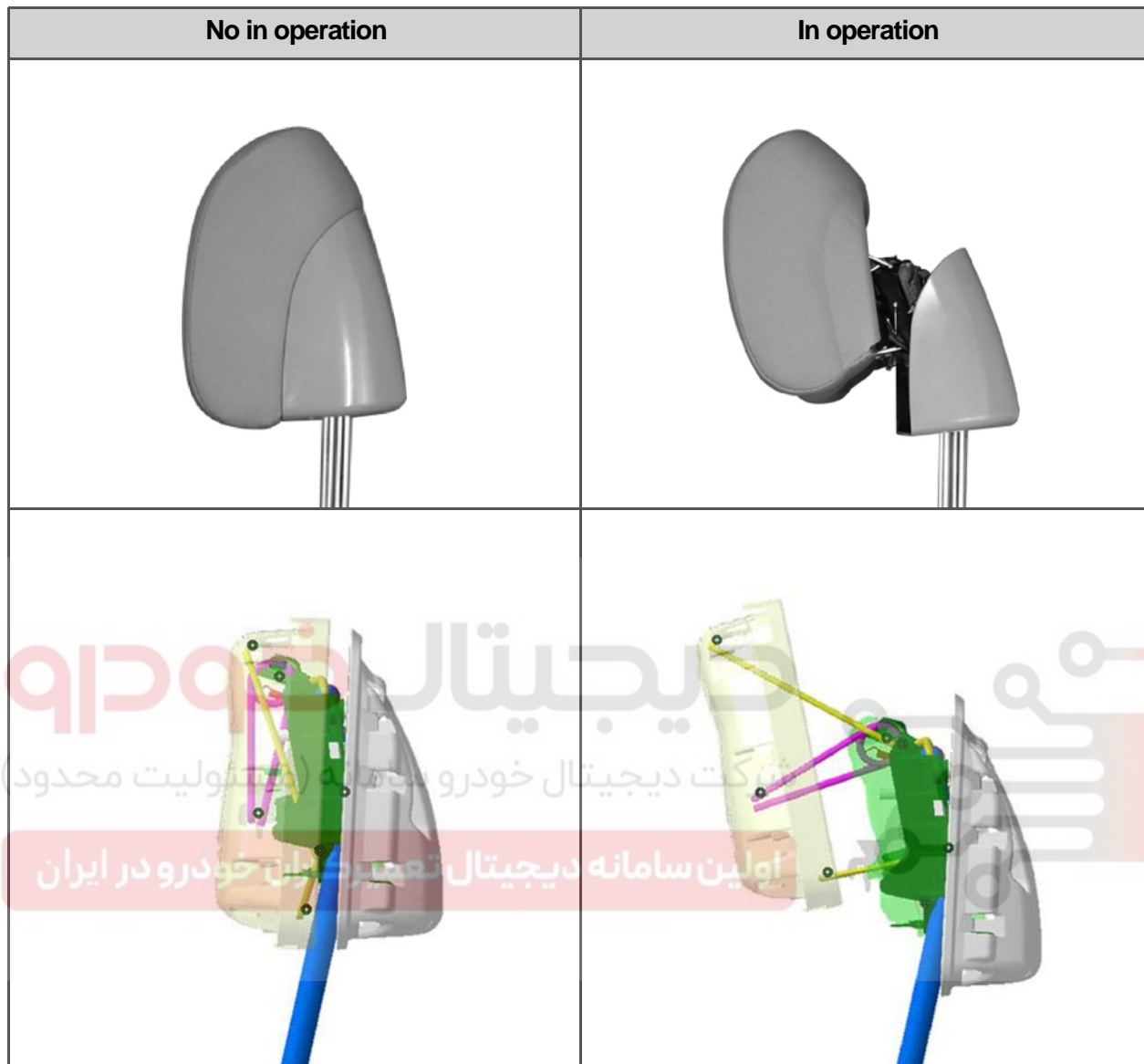
(1) System configuration

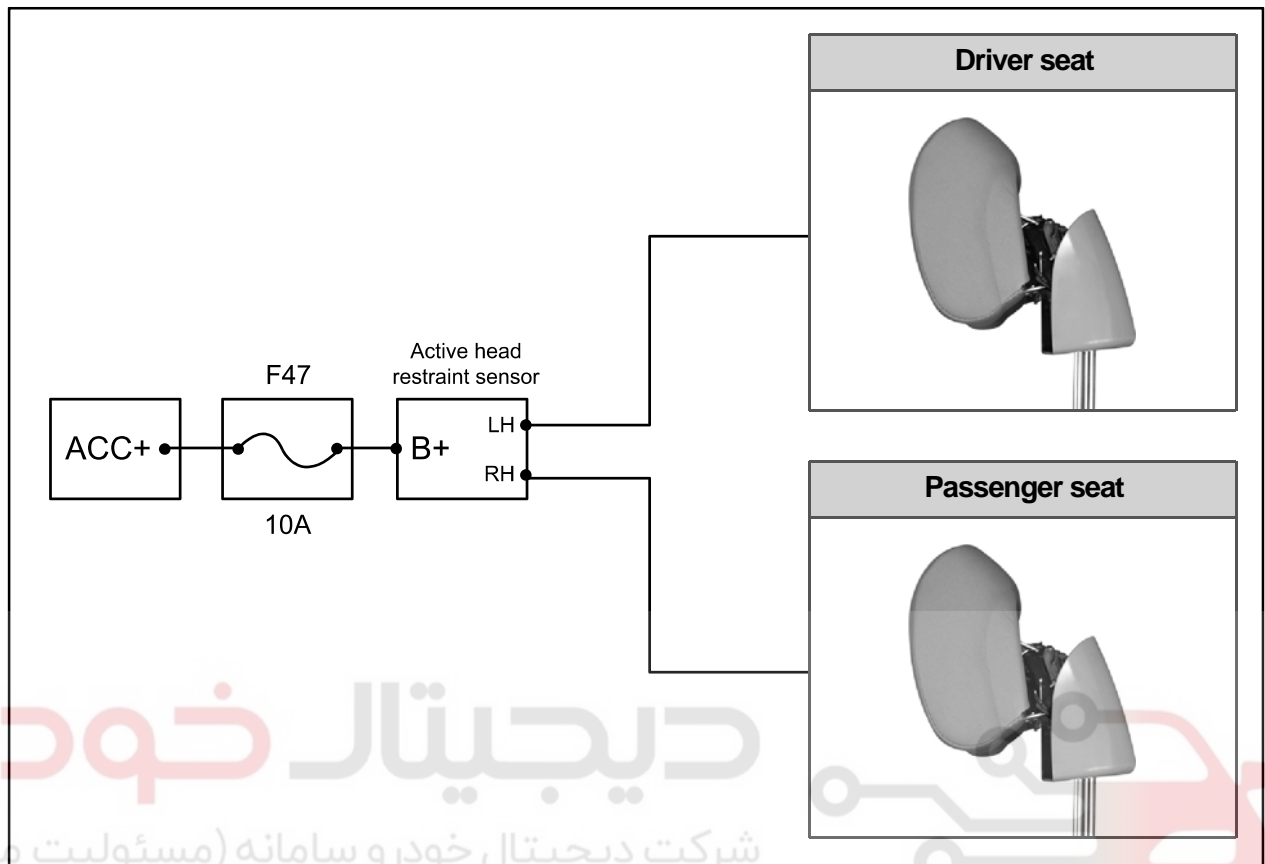


| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

SEAT

KORANDO 2015.01

(2) Active head restraint deployment

(3) Operating process

For a vehicle with an active head restraint system, an active head restraint sensor is installed and its G sensor is operated in the event of a rear-end collision. As the G sensor in the active head restraint sensor is operated, the power is supplied to the driver's or passenger's active head restraint. Then, the lock in the head restraint is disengaged and the front part of the head restraint is separated and moved toward the neck of an occupant.

| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

3) Rear Seat

The rear seat is a 6:4 split seat and a manual seat that the angle of the head restraint and seatback of the seat can be adjusted. And the heated wires in the rear seat cushion and seatback can be operated with rear seat heated wire switches located on the LH/RH rear door trim.

(1) Rear seat operation

Head restraint adjustment (Height)



The head restraint can be raised without pressing the head restraint sleeve (A) or lowered with the sleeve (A) pressed.



Seatback reclining adjustment



To adjust the seatback angle, pull the lock release lever on the upper part of the seat to release the lock.

(2) Rear seat heated wire functions



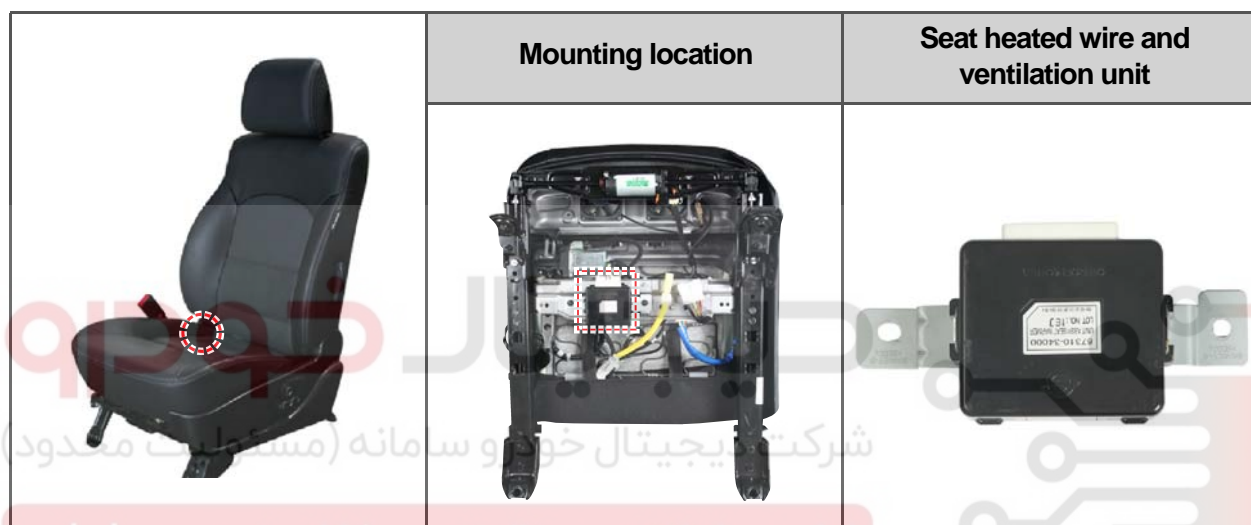
| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

SEAT
KORANDO 2015.01

4) Front Seat Heated Wire and Ventilation Unit

(1) Front seat heated wire and ventilation unit operation

The seat heated wire and ventilation unit is mounted at the bottom of the driver seat. The temperature of the seat can be adjusted in 3 levels (Level 2 → Level 1 → OFF) with the seat heated wire and ventilation switch. Every time the seat heated wire and ventilation switch is pressed, the temperature level goes down by one level. Pressing the switch a third time will turn off the operation. Pressing the desired side of the switch heats the seat cushion and seatback or activates the seat ventilation function. The temperature of the seat is kept uniform by cutting off or connecting power through thermistor fitted in the seat. The seat heated wire and ventilation unit controls the rpm of the motor using PWM control to operate the seat ventilation.



NOTE

► Seat heated wire and ventilation unit & switch application

●: New, ○: Already used, -: N/A

| Item | Heating and ventilation specification | Heating specification |
|--------------------------------|---|---|
| Heating and ventilation unit | ● | - |
| Heating and ventilation switch | ● | - |
| Heating switch | - | ○ |
| How to operate | Driver: heating and ventilation (two-step) Passenger: heating (two-step) | Driver: heating (LO↔HI) Passenger: heating (LO↔HI) |

- The seat heated wire and ventilation unit is not fitted in a vehicle without seat ventilation function.

(2) Front seat heated wire and ventilation unit diagram

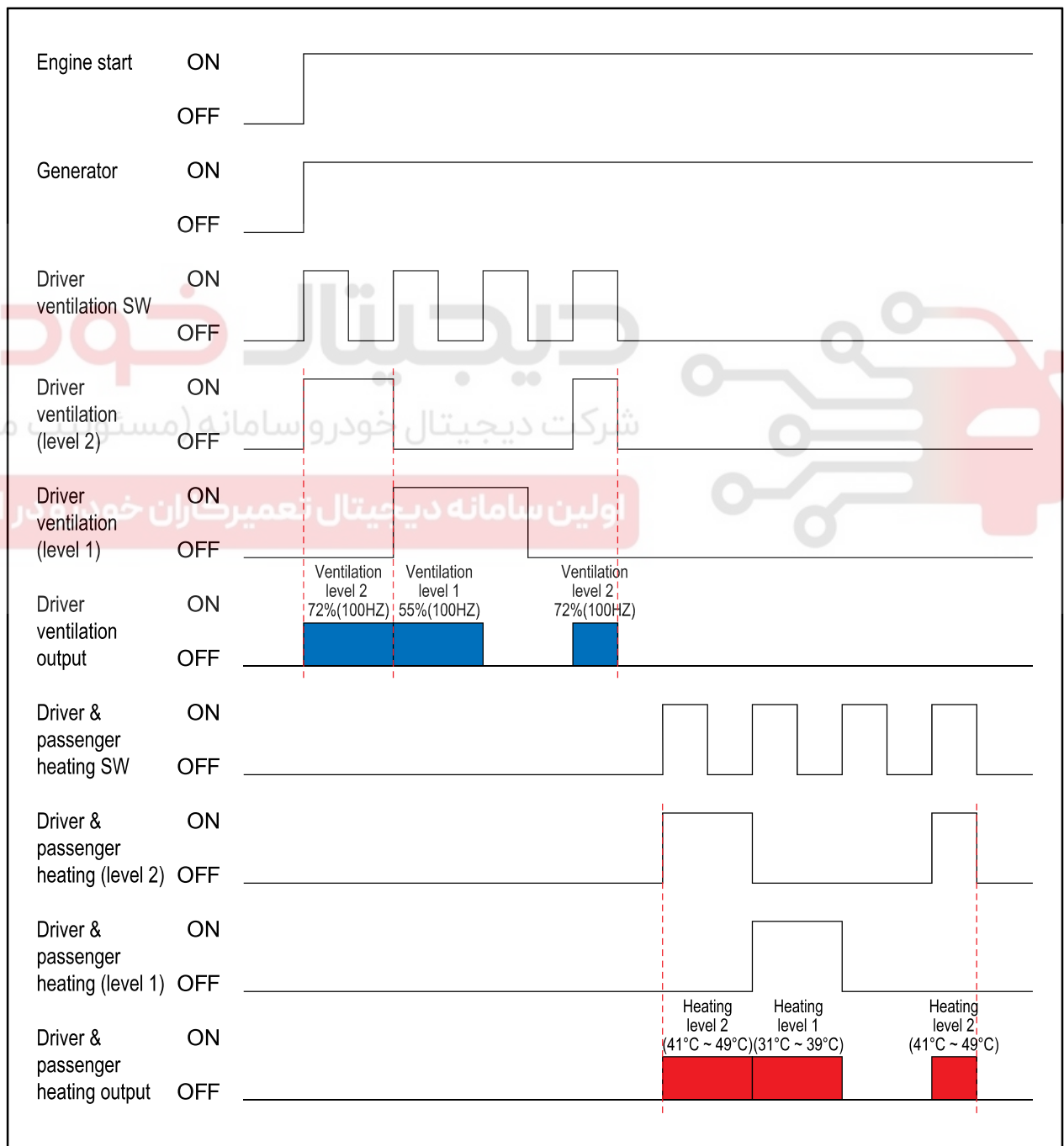
► Condition: Engine running

The temperature of the seat can be adjusted in 3 levels (Level 2 → Level 1 → OFF) with the front seat heated wire and ventilation switch. Every time the switch is pressed, the temperature level goes down by one level. Pressing the switch a third time will turn off the operation.



NOTE

The front seat heated wire and ventilation functions cannot be operated at the same time.

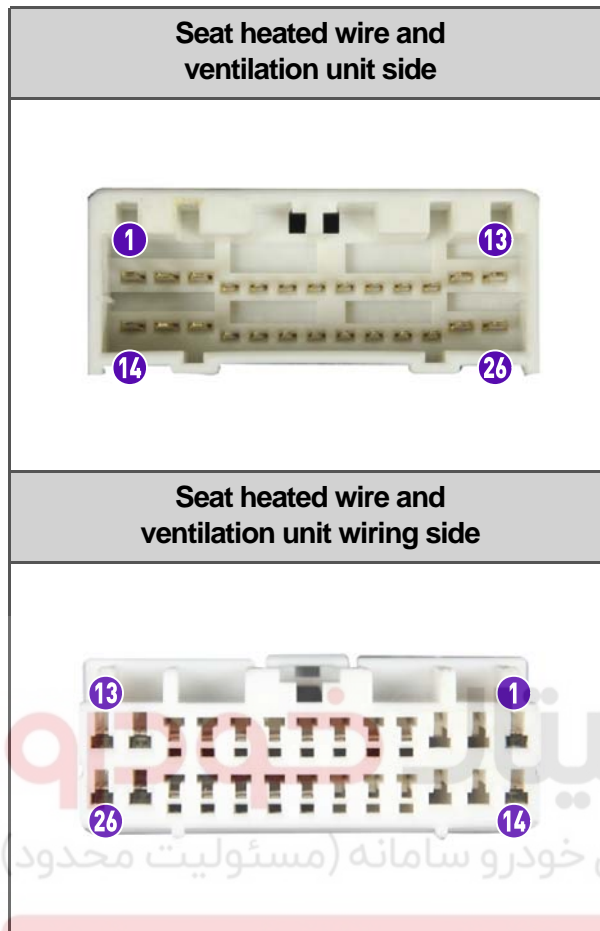


| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

SEAT

KORANDO 2015.01

(3) Connector pin description



| Pin No. | Function |
|---------|-------------------------------|
| 1 | IGN2 |
| 2 | - |
| 3 | - |
| 4 | Ventilation switch |
| 5 | Heater switch (LH) |
| 6 | Heater switch (RH) |
| 7 | Heater level 1 (LH) |
| 8 | Heater level 1 (RH) |
| 9 | Ventilation level 1 (LH) |
| 10 | Heater back (LH) NTC - |
| 11 | Heater back (RH) NTC + |
| 12 | Cushion ventilation power (+) |
| 13 | Heater back (LH) HTR |
| 14 | ALT |
| 15 | - |
| 16 | - |
| 17 | - |
| 18 | - |
| 19 | - |
| 20 | Heater level 2 (LH) |
| 21 | Heater level 2 (RH) |
| 22 | Ventilation level 2 (LH) |
| 23 | Heater back (LH) NTC + |
| 24 | Heater back (RH) NTC - |
| 25 | Heater back (RH) HTR |
| 26 | Ground |

5) Front Seat Heated Wire and Ventilation Operation

(1) Heated wire and ventilation functions for front seat (driver seat heated wire and ventilation - 2 levels, passenger seat heated wire - 2 levels)

► Operating conditions

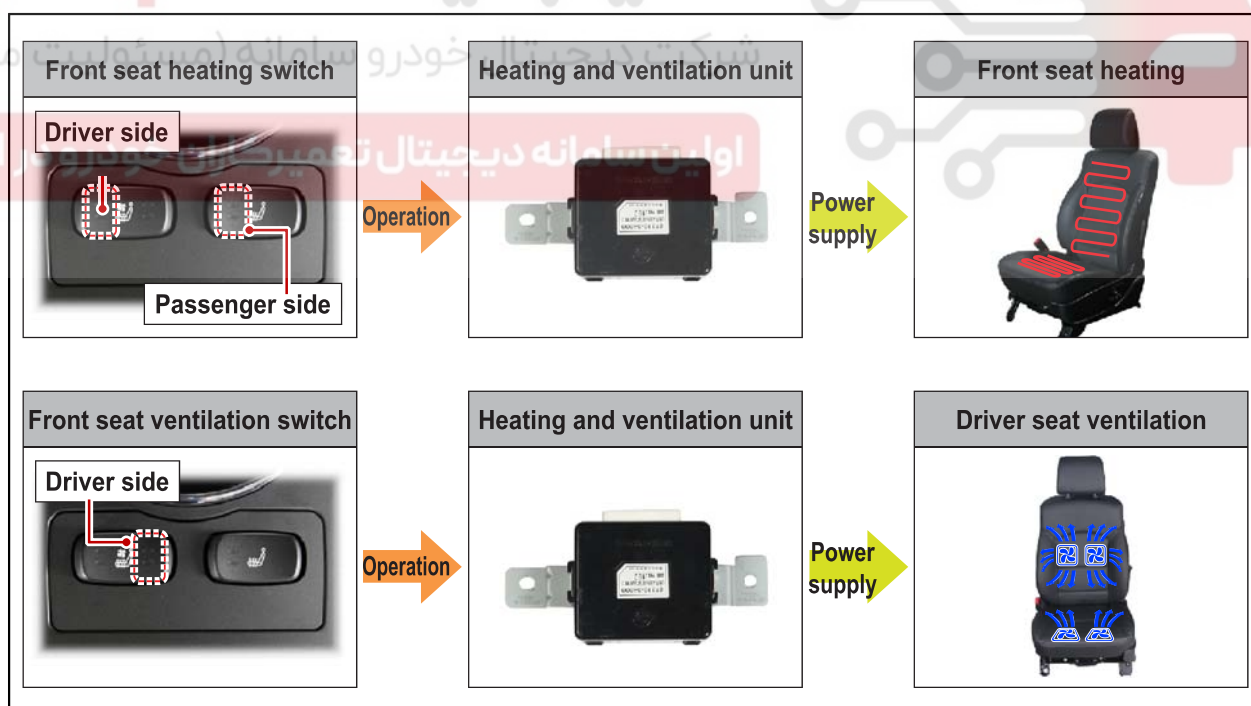
- Engine running
- If the engine starts to crank during the seat heated wire and ventilation signal output, the seat heated wire will not be operated until the cranking stops.

► Operation description

- After the ignition is turned on, the temperature of the seat can be adjusted in 3 levels (Level 2 → Level 1 → OFF) with each seat heated wire and ventilation switch. Every time the switch is pressed, the temperature level goes down by one level. Pressing the switch a third time will turn off the operation.

► Operating process

- When the front seat heated wire and ventilation switch is pressed, the front seat heated wire and ventilation unit supplies the power to the corresponding seat for heated wire and ventilation operation through the switch.



NOTE

The heated wire and ventilation functions cannot be operated at the same time.

| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

(2) Heated wire function for front and rear seats (driver and passenger seats LO↔HI, rear seats ON↔OFF)

► Operating conditions

- IGN ON
- If the engine starts to crank during the seat heated wire signal output, the seat heated wire will not be operated until the cranking stops.

► Operation description

- After the ignition is turned on, the heated wire of the front seat can be operated to the desired temperature (LO/HI) by pressing the front seat heated wire switch.
- After the ignition is turned on, pressing a rear seat heated wire switch activates the heated wire of the corresponding seat and pressing the switch again turns off the heated wire operation.

► Operating process

- When the front or rear seat heated wire switch is pressed, the power is supplied to the corresponding front or rear seat heated wire through the switch.



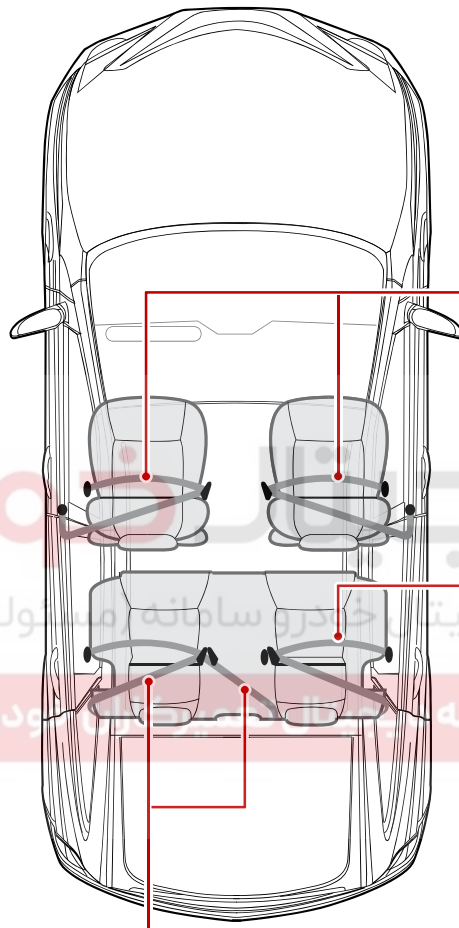
NOTE

The seat heated wire and ventilation unit is not fitted in a vehicle without seat ventilation function.

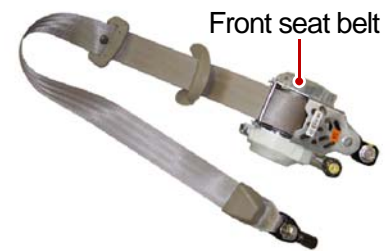
6) Seat Heated Wire and Ventilation

(1) Seat belt configuration

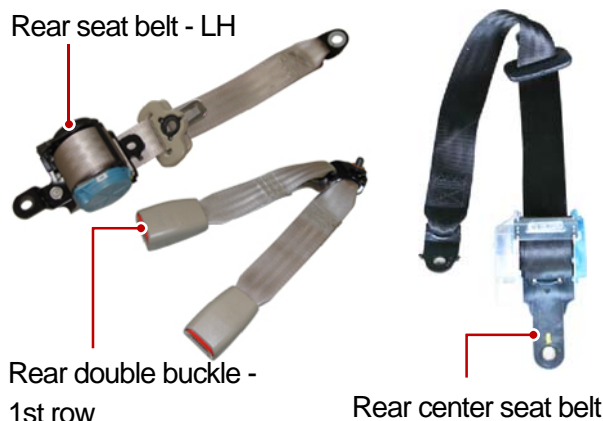
The 3-point type seat belts are mounted on the driver seat, passenger seat and rear seats (LH, RH, Center). The seat belts on the front seats (driver's/passenger's) include pretensioner feature which rewinds the seat belt immediately to protect the occupant's face and chest when a strong frontal collision occurs.



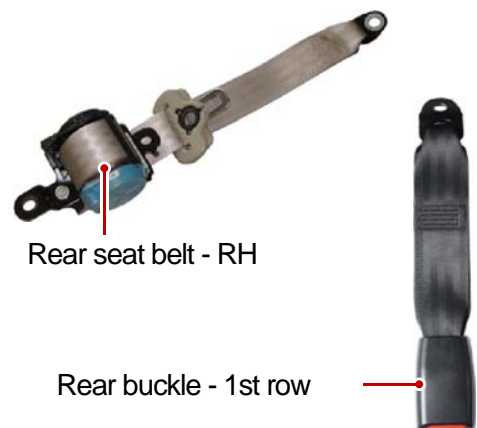
**Front 3-point type seat belt
(Driver & Passenger seats)**



**3-point type seat belt
(RR center, LH)**



Rear 3-point type seat belt (RH)



| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

SEAT
KORANDO 2015.01

(2) Mounting location for seat belt

Driver seat Belt (3-point type)



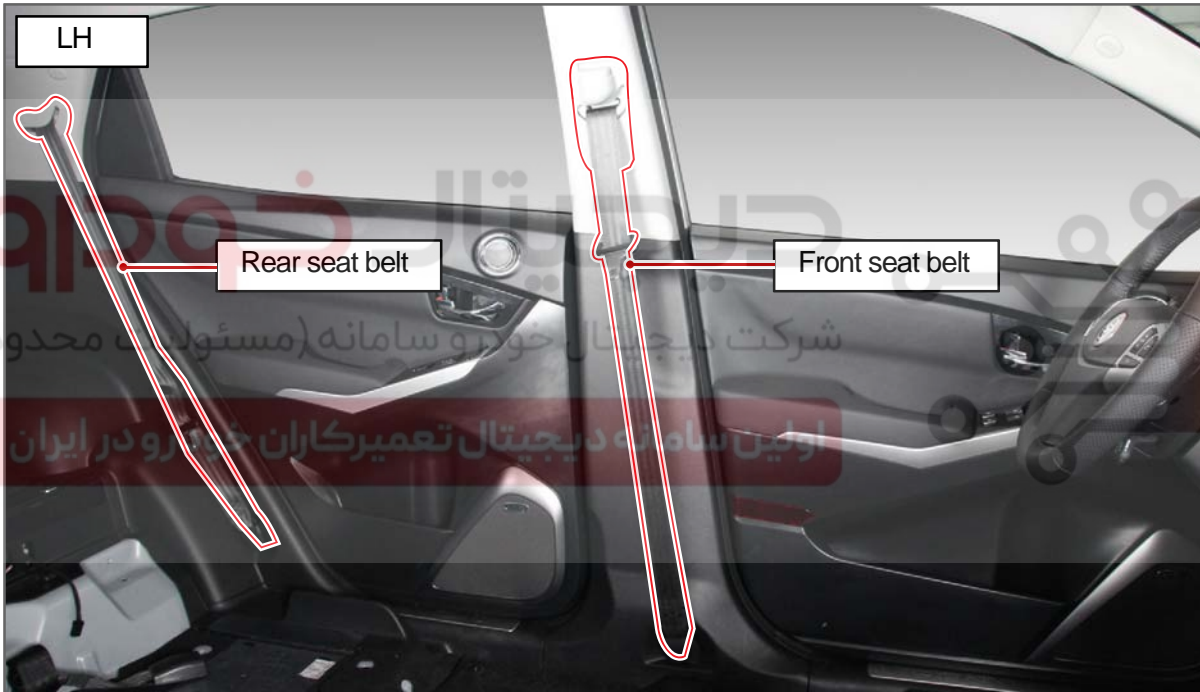
Passenger seat Belt (3-point type)



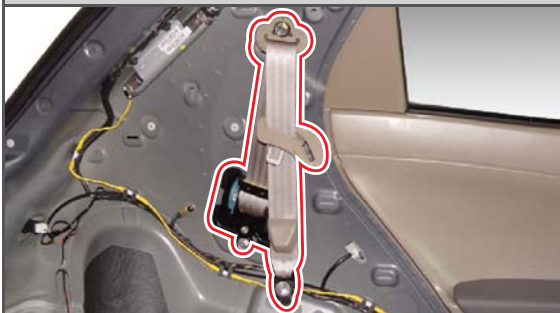
LH

Rear seat belt

Front seat belt



Rear seat belt - LH/RH (3-point type)



Rear center seat belt (3-point type)



SEAT

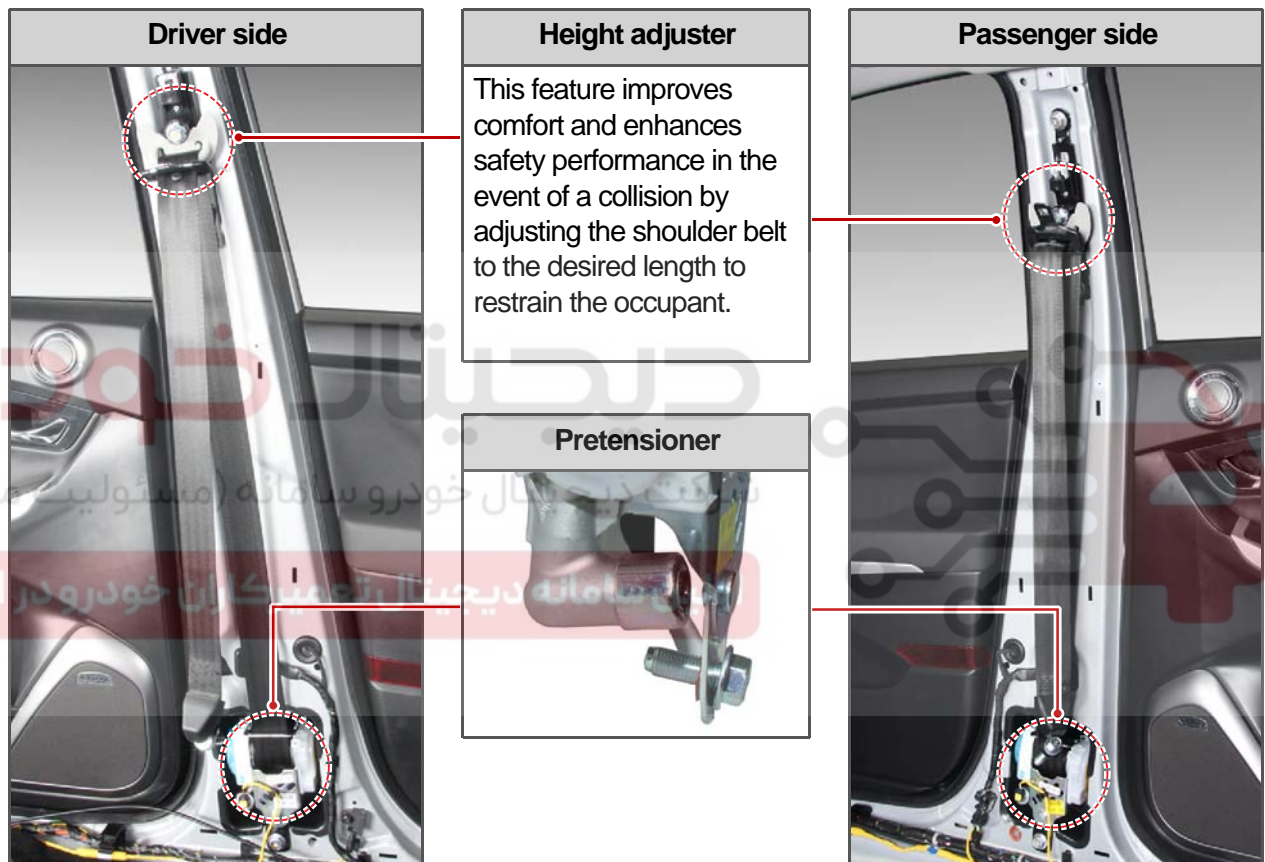
KORANDO 2015.01

| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

7) Mounting Location for Pretensioner

The seat belt pretensioner retracts the seat belt instantly by igniting the inflator in the pretensioner when the front air bag system is activated. It also improves the safety effect of the seat belt by preventing the front seat occupants from moving forward and keeping occupants in a stable posture.

The load limiter is also installed to reduce the chest impact to a front seat occupant by loosening the seat belt while maintaining the force applied by the seat belt uniformly when the pretensioner retracts the seat belt instantly. The seat belt pretensioner is operated first, and then the load limiter is activated.



| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

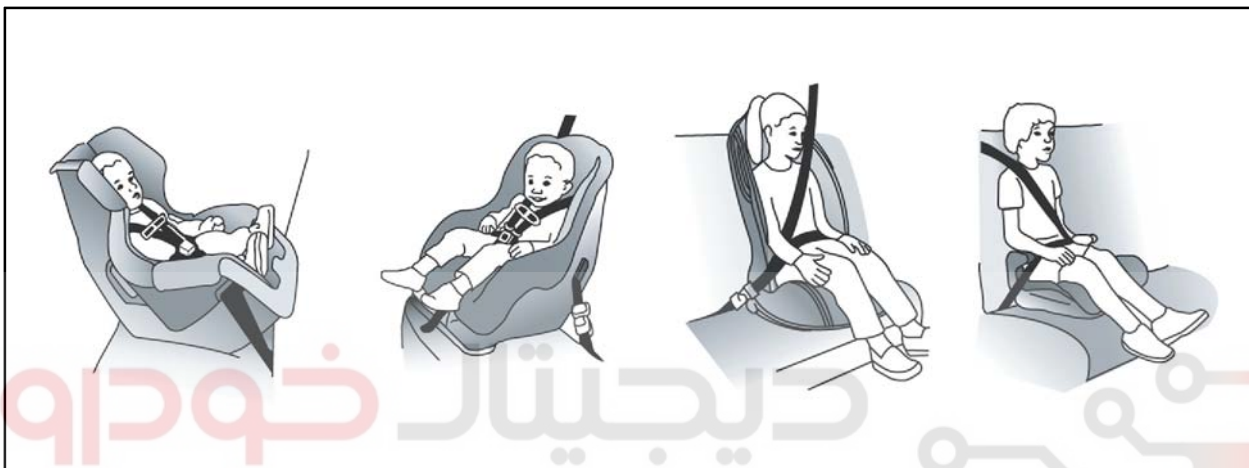
4. CHILD RESTRAINT SYSTEM (ISO FIX)

1) Child Restraint System Type

There are 2 types in the child restraint system.

- Fixing using seat belt
- Fixing using ISOFIX (for the vehicle with ISOFIX system)

2) Child Restraint System Fixing Type

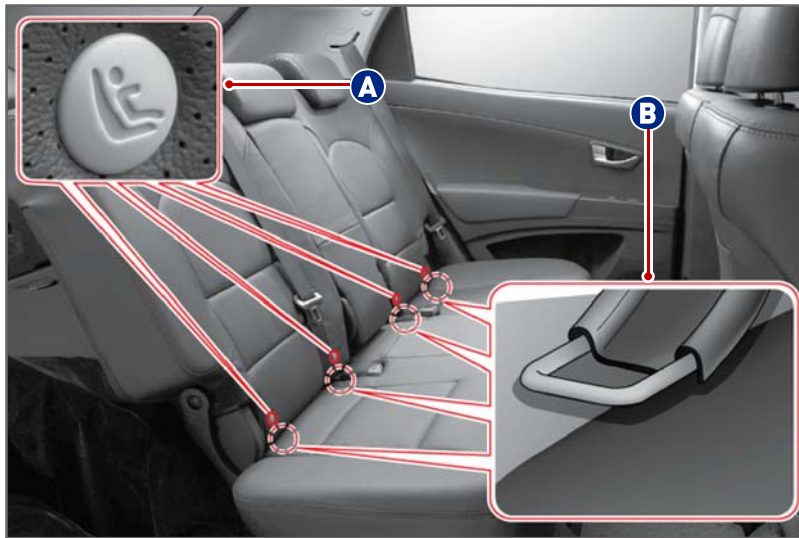


| Item | Weight | Age | Fixing method | Rear LH/RH seat | Passenger seat/ Rear center seat |
|-----------------|---------|-----------------|-------------------------|-----------------|----------------------------------|
| Reversed seat | < 10kg | 6 to 9 months | Seat belt | U/SU | X |
| | < 13kg | 12 to 15 months | Seat belt | U/SU | X |
| Front face seat | 9~18kg | 9 to 48 months | Seat belt / ISOFIX seat | U/UF/SU | X |
| Booster seat | 15~25kg | 4 to 6 years | Seat belt | U | X |
| Booster cushion | 22~36kg | 6 to 11 years | Seat belt | U | X |

- U: General child restraint system which should be fixed with the seat belt approved by official institute.
- UF/SU: General child restraint system which should be fixed with the ISOFIX system approved by official/semiofficial institute.
- X: Seat which is not allowed to use child restraint system.

3) ISO FIX

► Installation using lower latch



- There are marks (A), which indicate that the ISOFIX for child restraint system can be fixed, at the bottom of the rear seatback as shown in the figure.
- Attach the ISOFIX child restraint system (C) to the two latches (B) located at the bottom of the rear seat.
- If a ISOFIX child restraint system is used, the seat belt is not needed.
- No lower anchor is installed to the rear center seat.
- The approved ISOFIX child restraint system can be mounted to the vehicle with ISOFIX system (2 lower latches and one rear seatback anchor).

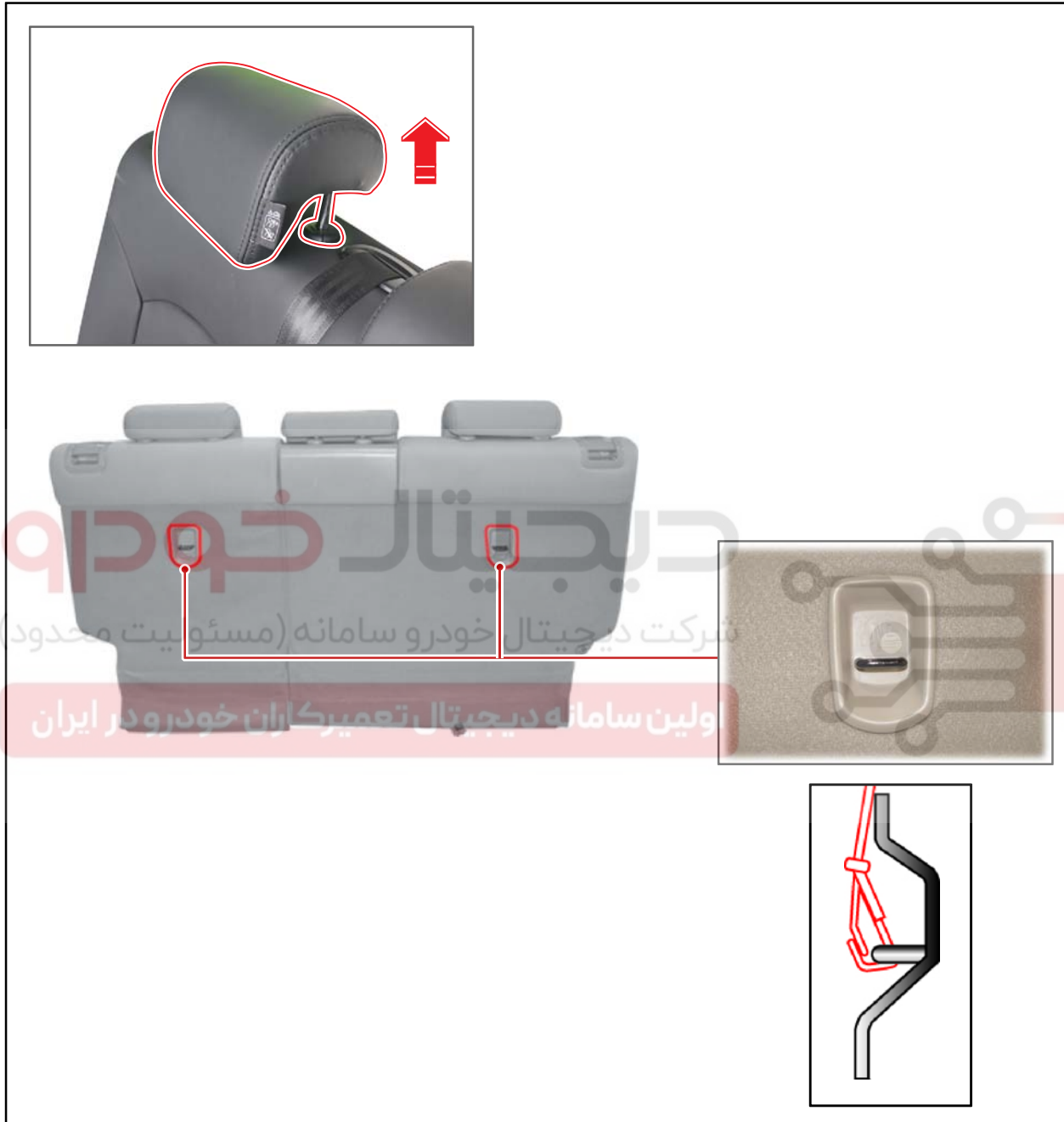
⚠ WARNING

- When installing ISOFIX child restraint system to the vehicle, all the seat belts in the rear seat should be buckled.
- The mounting latches and anchors for the ISOFIX system are only for the child restraint system, so DO NOT install any restraint system other than ISOFIX specifications, seat belt or other device to these latches or anchors.

| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

► Installation using rear seatback anchor

- There are anchors (for hook mounting) for fixing child restraint system, on the back side of the rear seatback as shown in the figure.



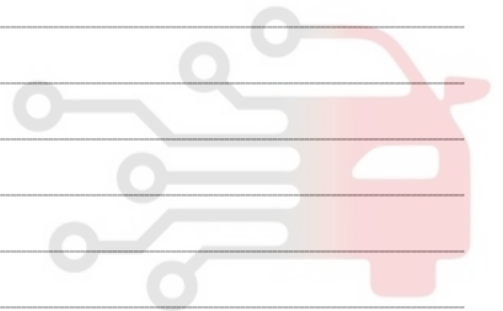
- Route the belt of the child restraint system over the seatback of the rear seat.
- Attach the hook of the child restraint system belt to the anchor firmly, and securely tighten the child restraint to the seat.

Memo

دیجیتال خودرو

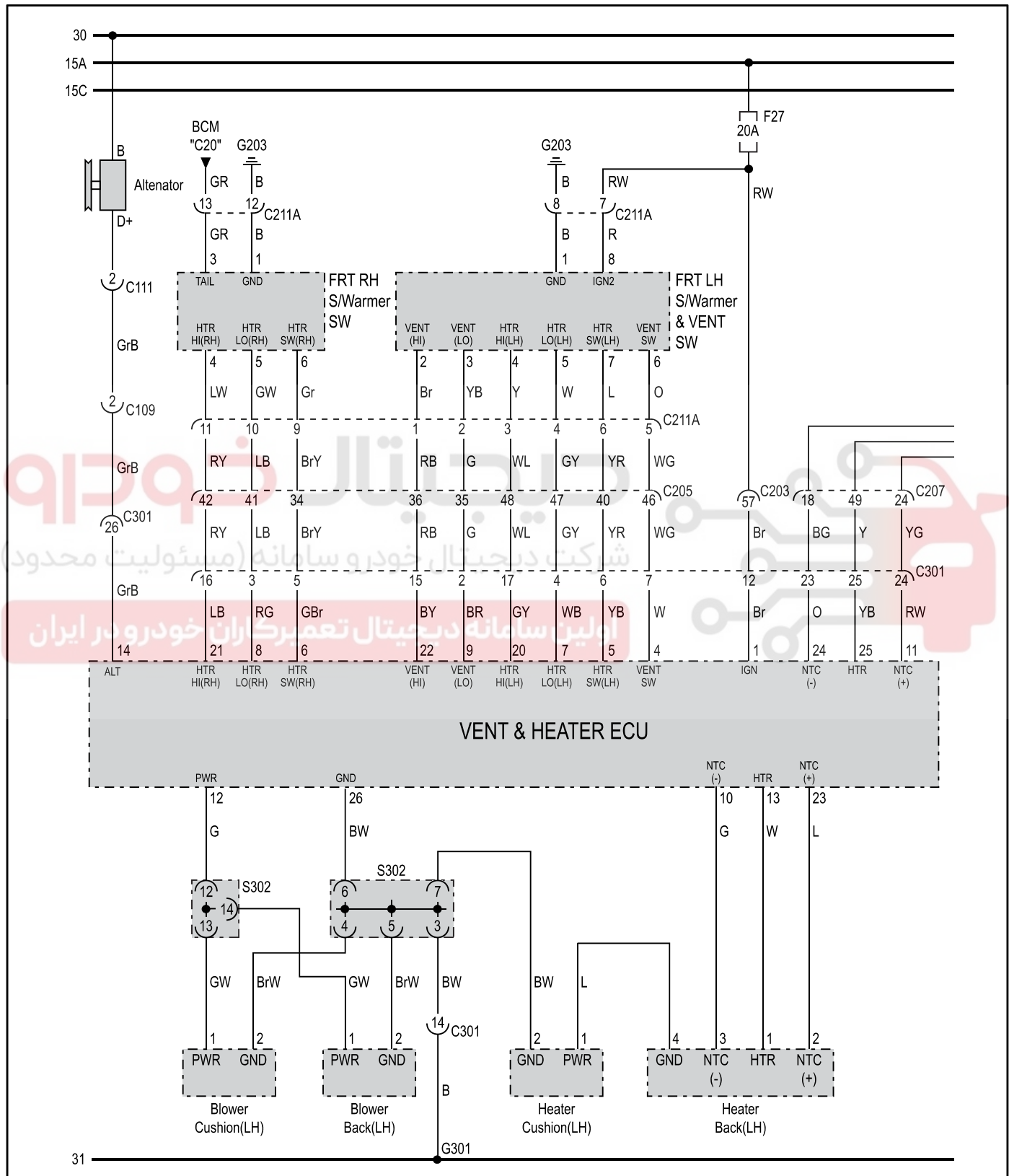
شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



5. CIRCUIT DIAGRAM

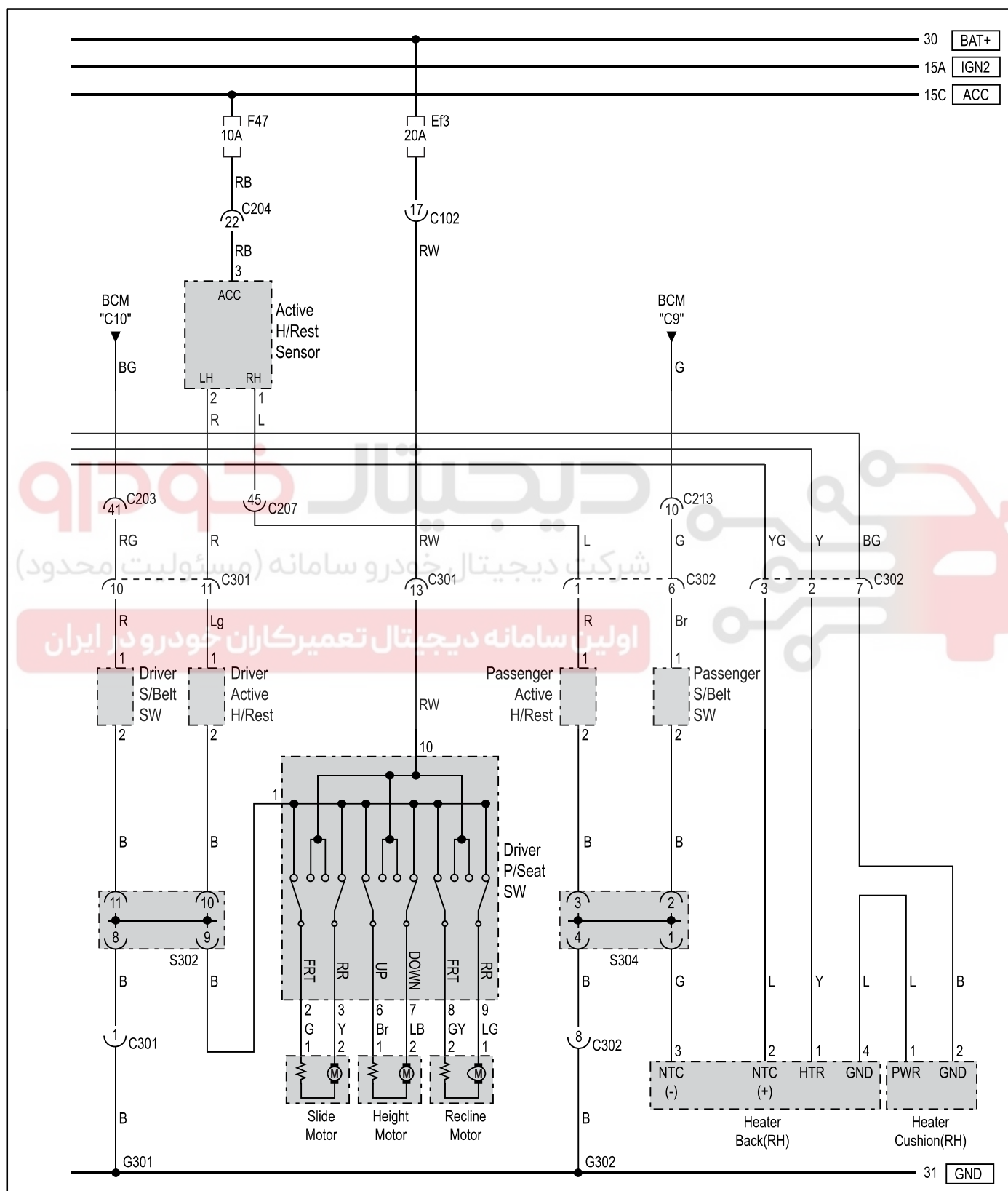
1) Front Power Seat (Heated wire & Ventilation)



SEAT

KORANDO 2015.01

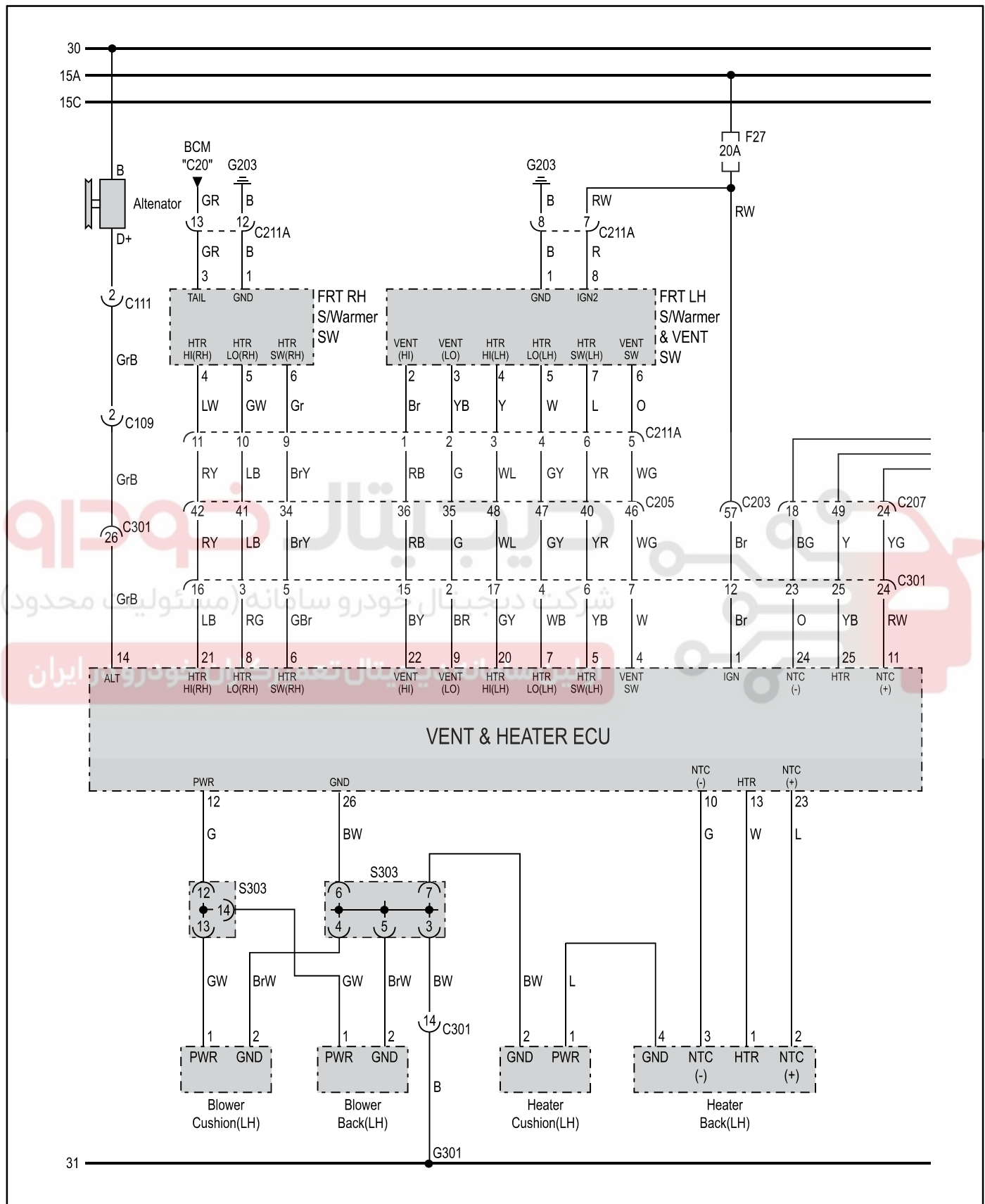
| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |



| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

SEAT
KORANDO 2015.01

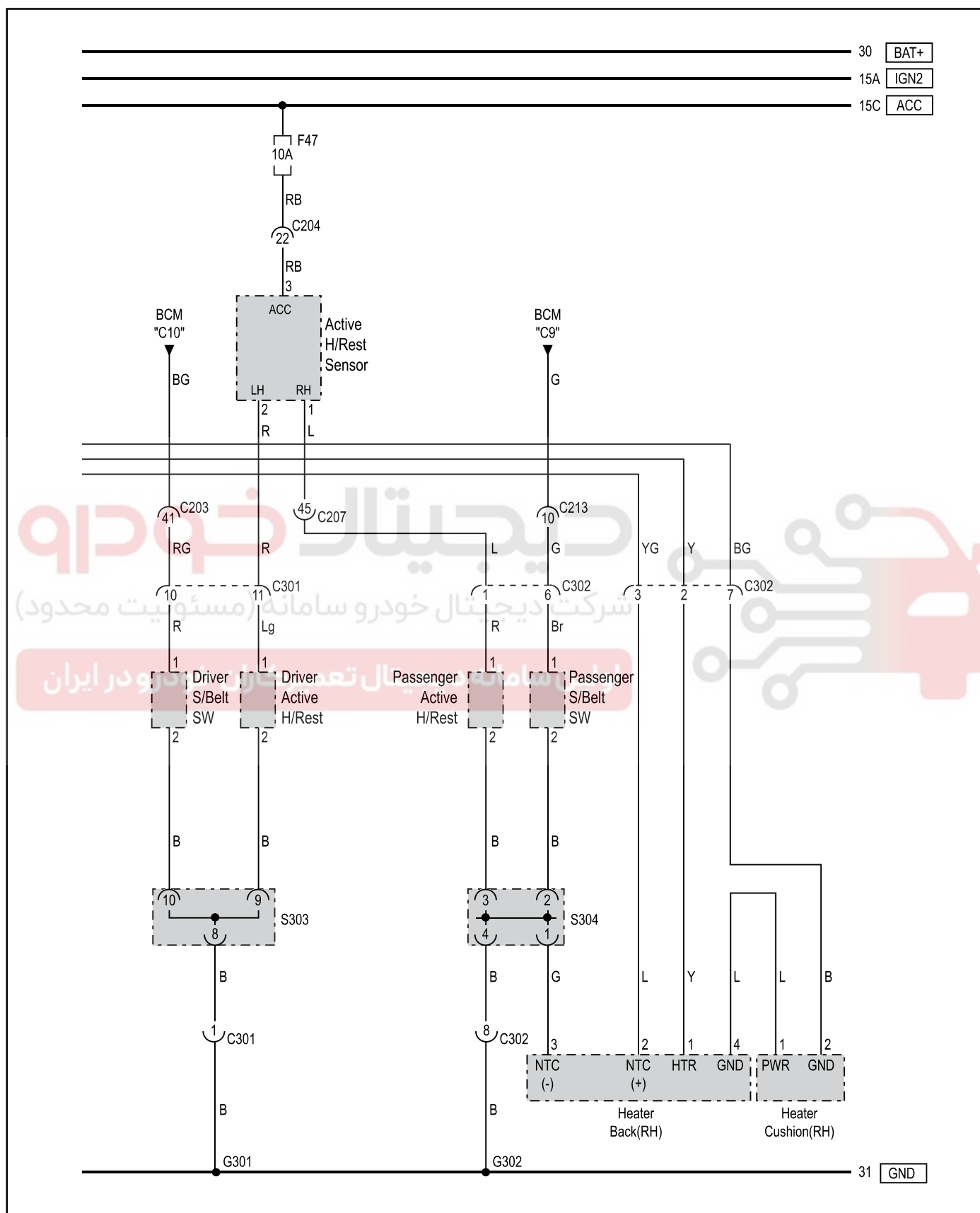
2) Front Manual Seat (Heated Wire)



SEAT

KORANDO 2015.01

| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

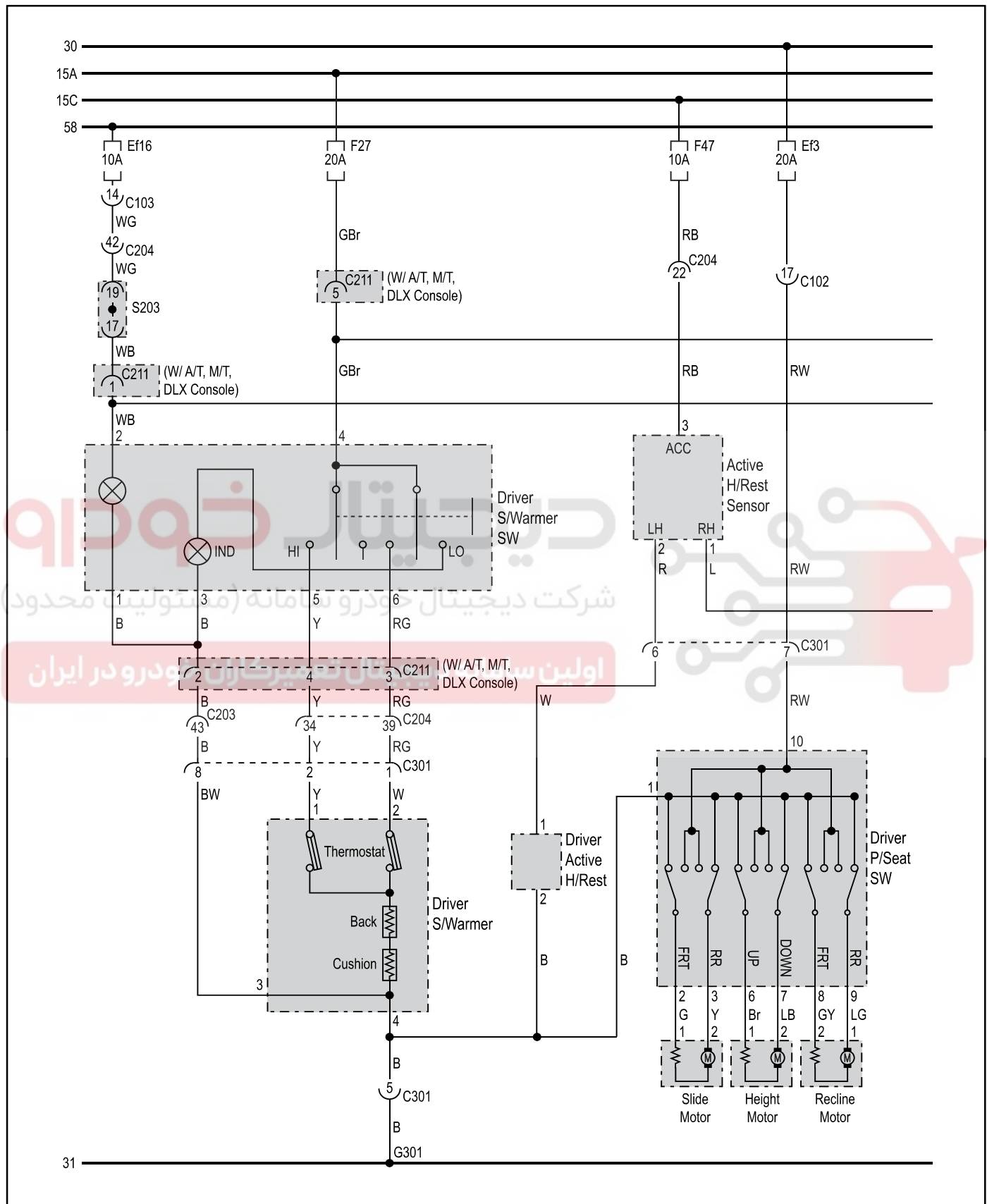


| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

SEAT

KORANDO 2015.01

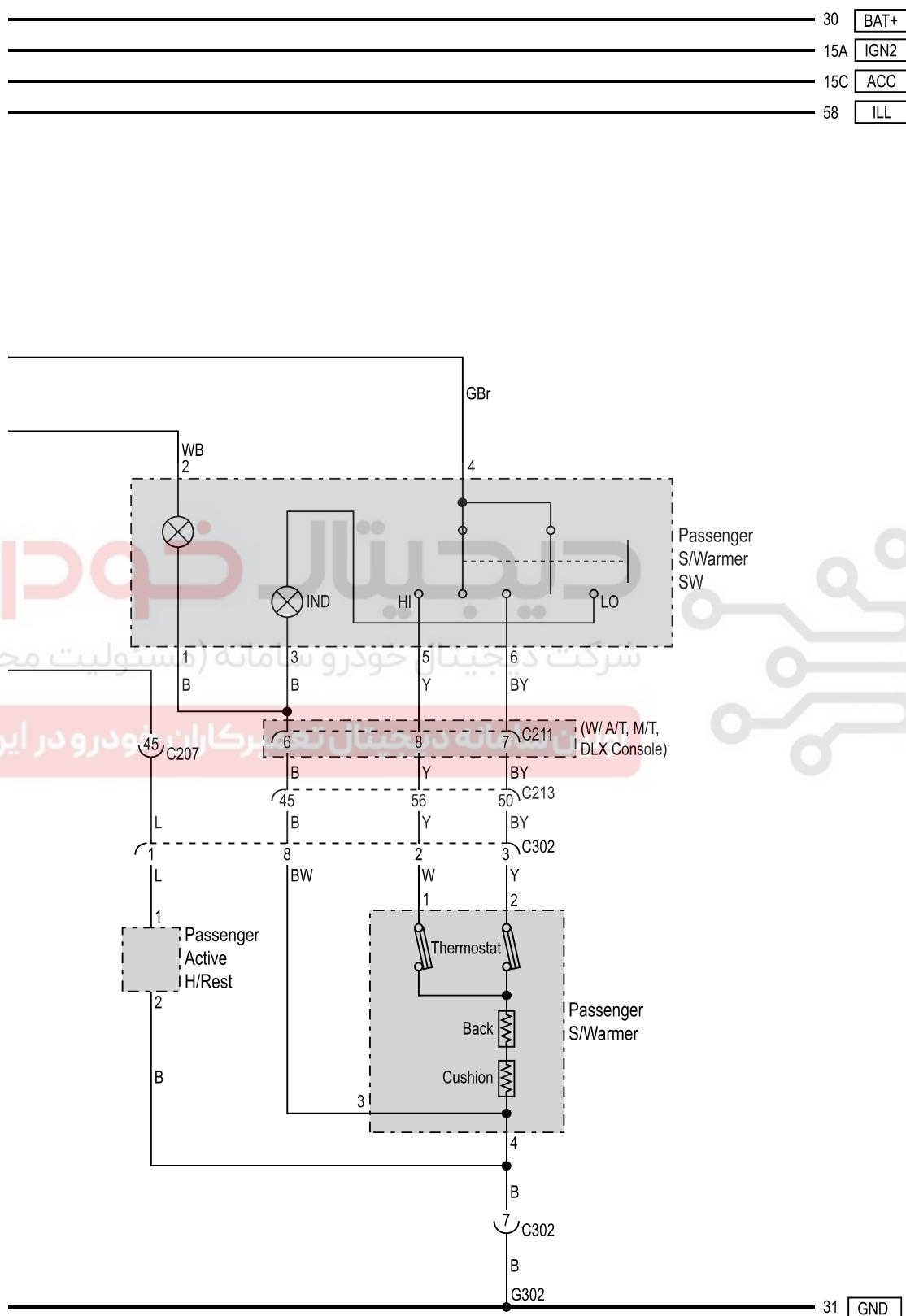
3) Front Power Seat (Heated Wire)



SEAT

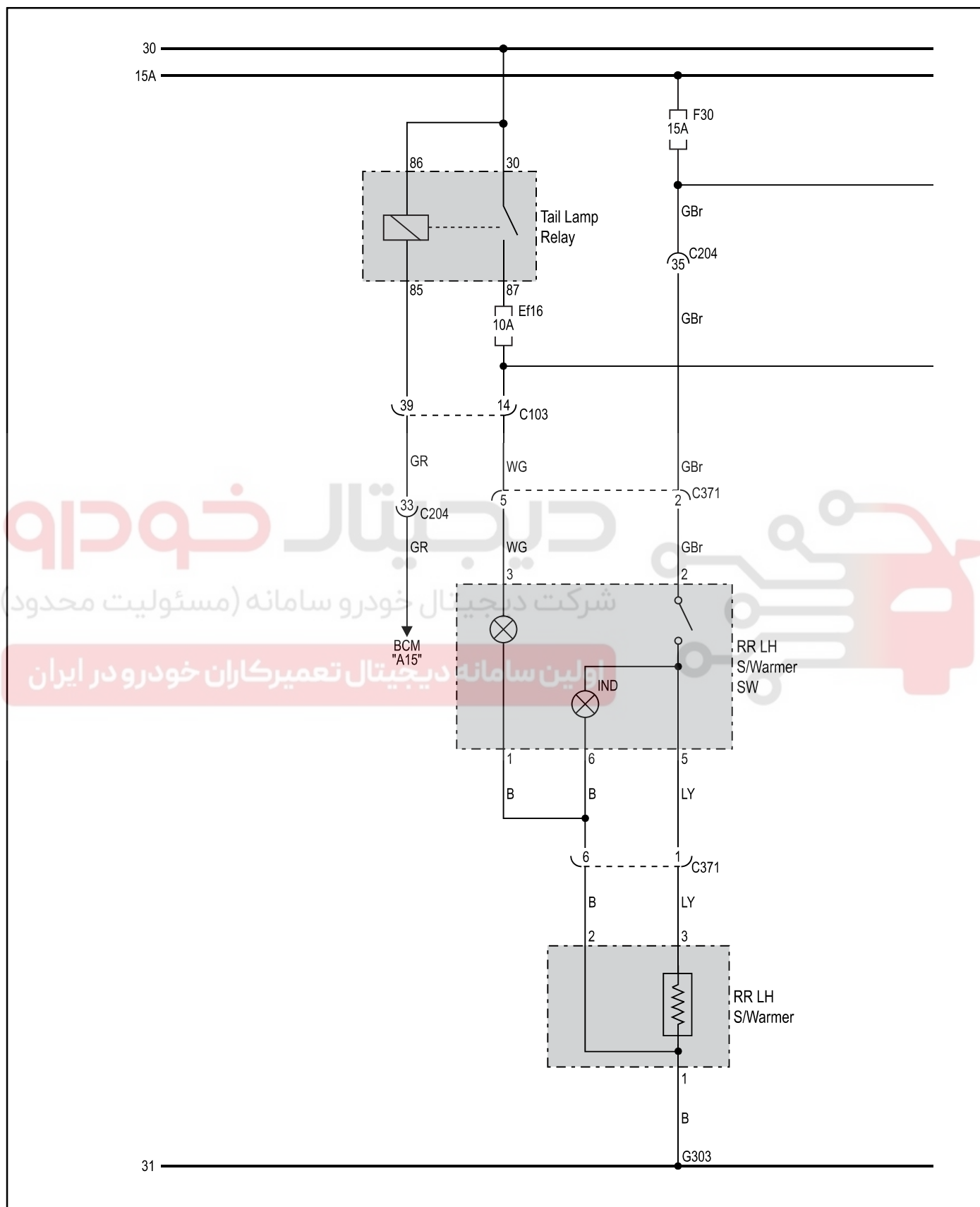
KORANDO 2015.01

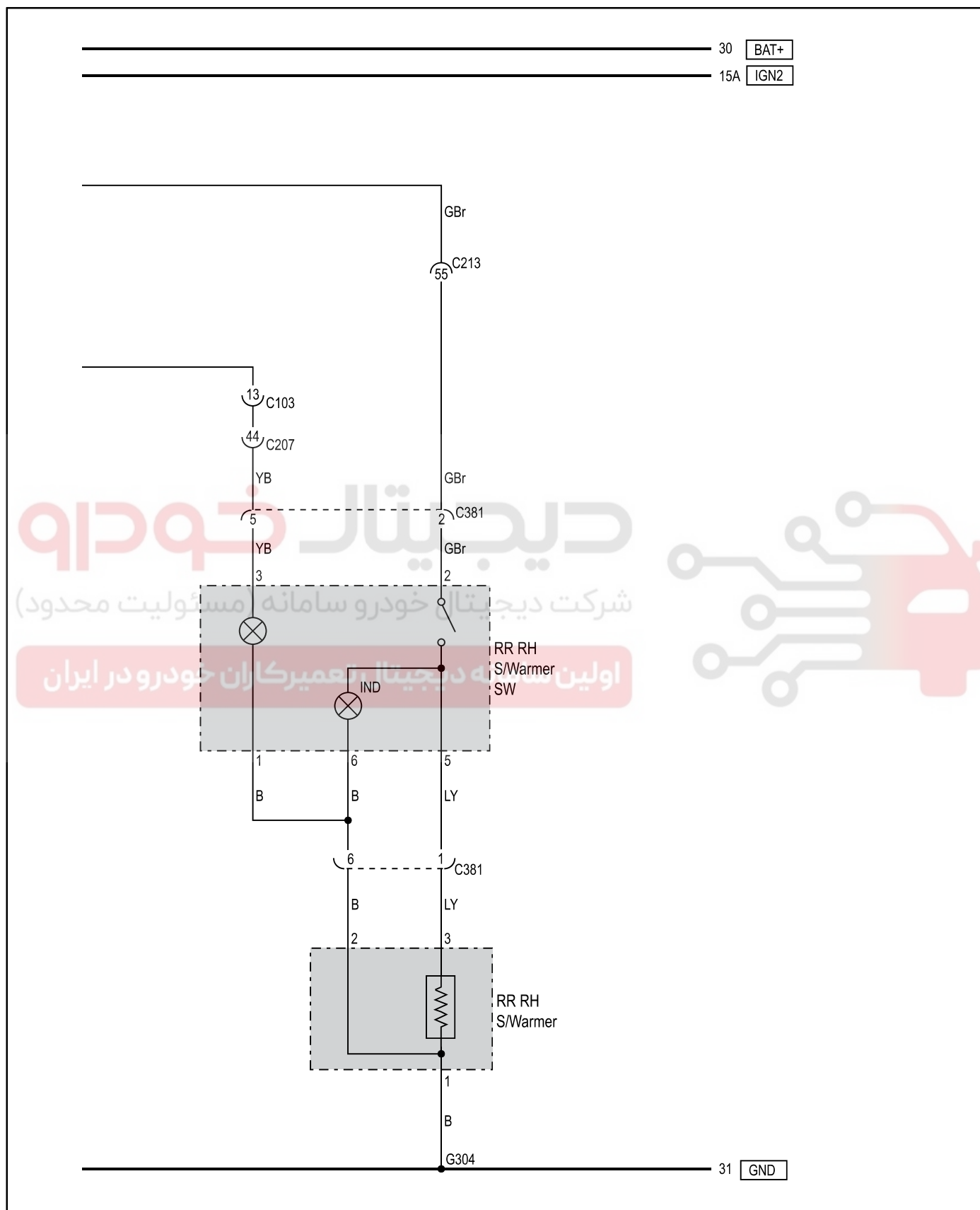
| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |



| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

4) Rear Seat Heated Wire





| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

03-40

7410-00

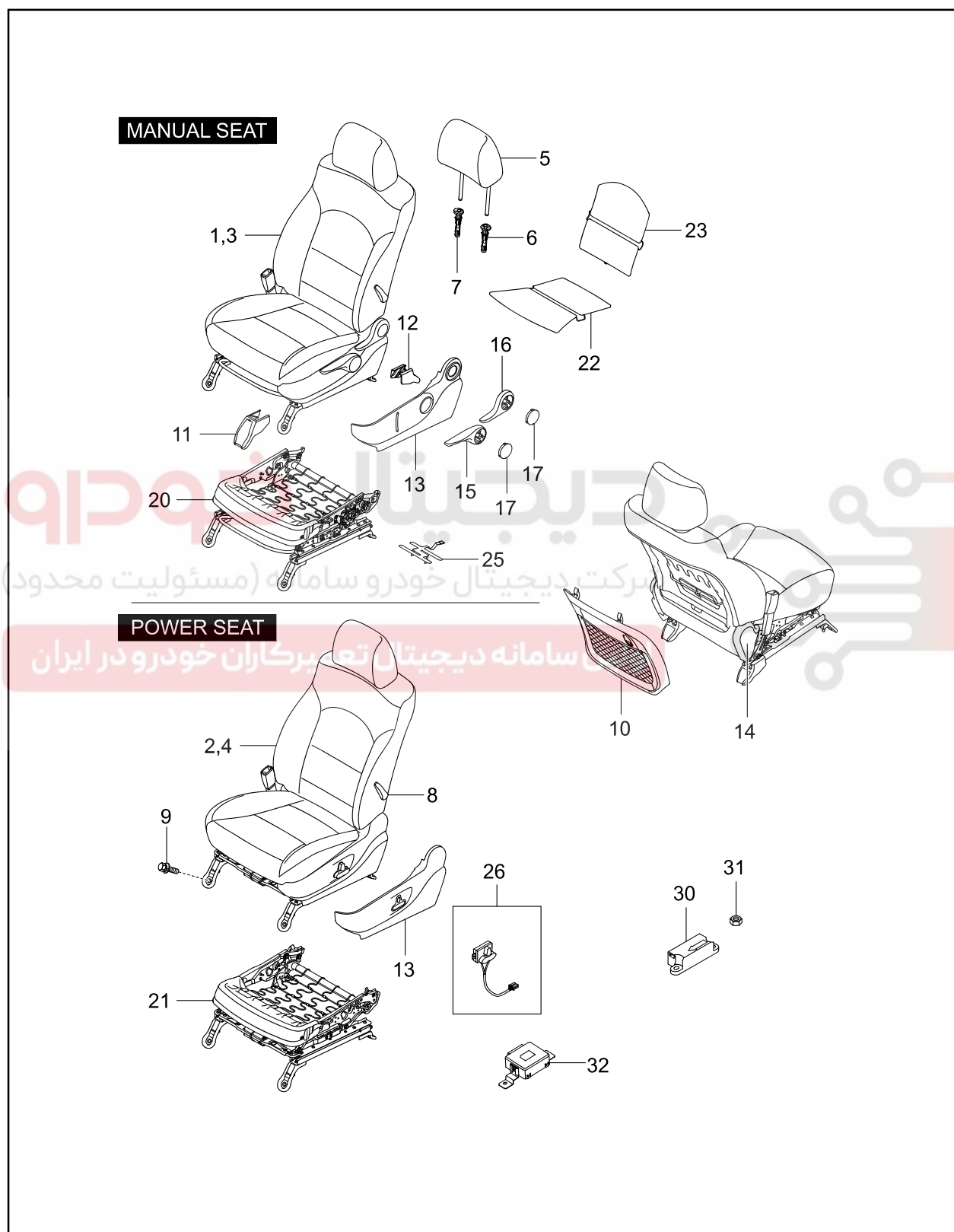
KORANDO

CONFIGURATION AND FUNCTIONS

S.G.N.

7410-00

FRONT SEAT



SEAT

KORANDO 2015.01

| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

- | | |
|-----------------------------------|---|
| 1. Front seat assembly | 14.Shield inner cover |
| 2. Front seat assembly | 15.Pumping lever |
| 3. Front seat assembly | 16.Recliner lever |
| 5. Front head restraint assembly | 17.Lever cap |
| 6. Head restraint sleeve | 20.Front seat cushion frame assembly |
| 7. Head restraint sleeve | 21.Front seat cushion frame assembly |
| 8. Lumbar support lever assembly | 22.Seat cushion warmer assembly |
| 9. Bolt | 23.Seatback warmer assembly |
| 10.Front seat back board assembly | 26.Power seat switch assembly |
| 11.Seat mounting front cover | 30.Head restraint sensor |
| 12.Seat mounting rear cover | 31.Nut |
| 13.Shield outer cover | 32.Seat heated wire and ventilation unit assembly |

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

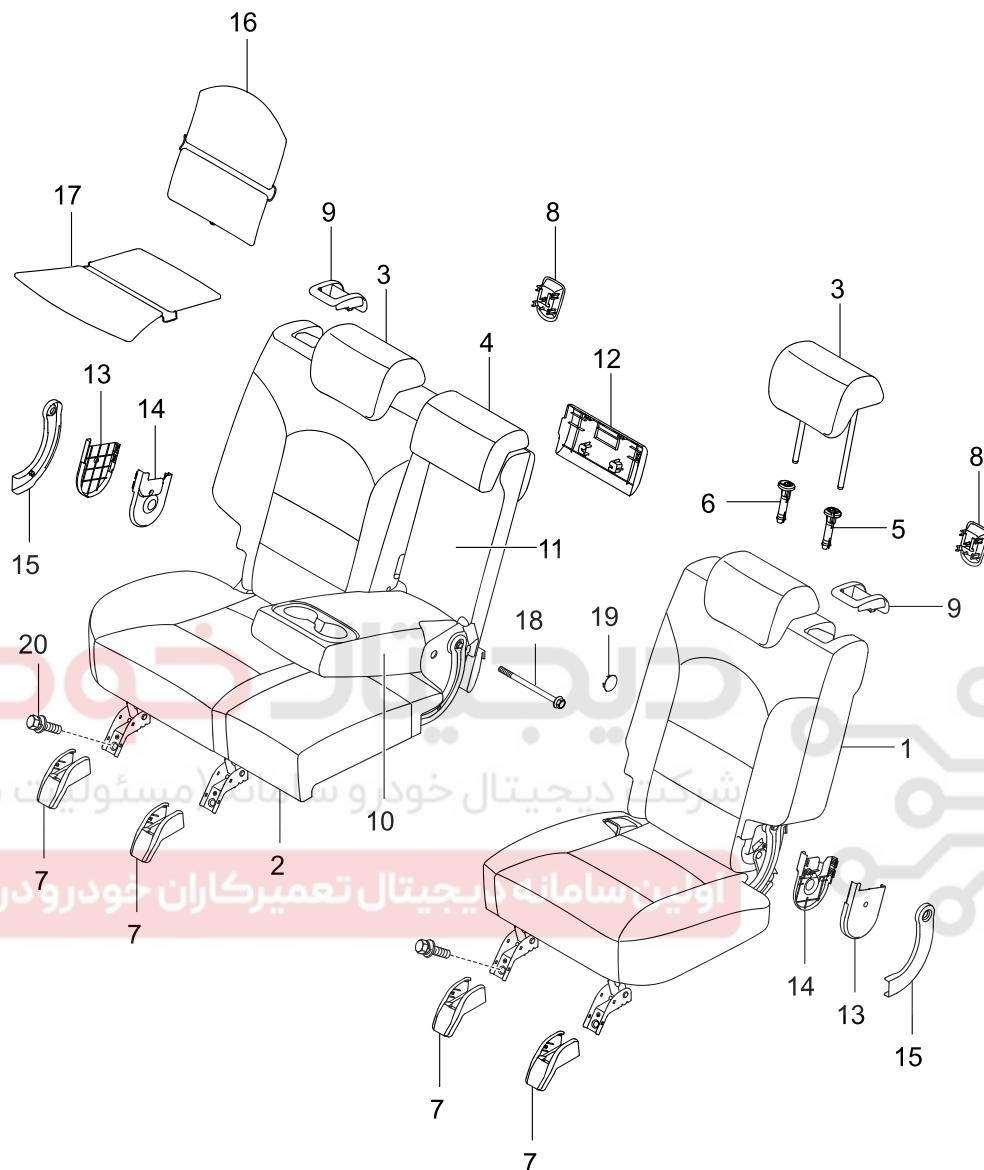


| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

SEAT

KORANDO 2015.01

S.G.N.

7510-00 REAR SEAT

- | | |
|--|--|
| 1. Rear seat assembly - 1st row | 11. Front cover armrest |
| 2. Rear seat assembly - 1st row | 12. Rear cover armrest |
| 3. Rear head restraint assembly - 1st row | 13. Recliner outer cover assembly |
| 4. Rear center head restraint assembly - 1st row | 14. Recliner inner cover |
| 5. Head restraint sleeve | 15. Linkage cover |
| 6. Head restraint sleeve | 16. Rear back warmer assembly - 1st row |
| 7. Rear seat mounting cover | 17. Rear cushion warmer assembly - 1st row |
| 8. Cover tether anchor | 18. Bolt |
| 9. Folding lever housing | 19. Cap |
| 10. Rear back armrest assembly - 1st row | 20. Bolt |

SEAT

KORANDO 2015.01

| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

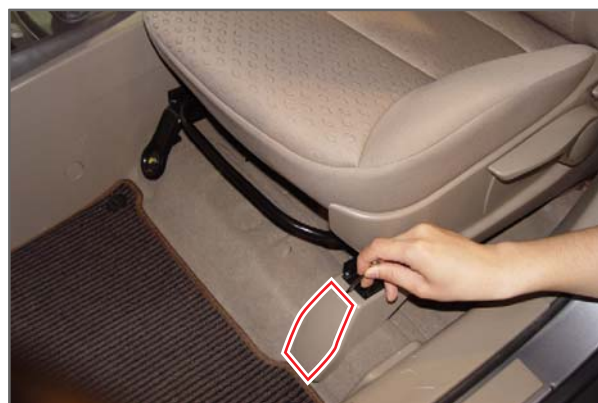
REMOVAL AND INSTALLATION

7410-01 DRIVER SEAT ASSEMBLY

Preceding work - Disconnect the negative battery cable.



1. Open the rear seat mounting bolt caps.

**NOTE**

If the front seat mounting bolt caps are opened first, the caps can be damaged while the seat is slid to open the rear seat mounting bolt caps.

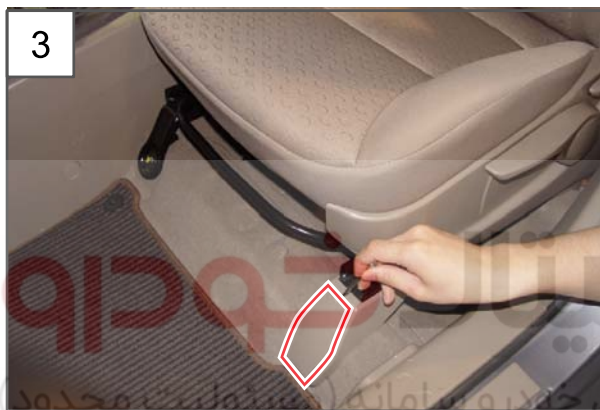
| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

SEAT

KORANDO 2015.01



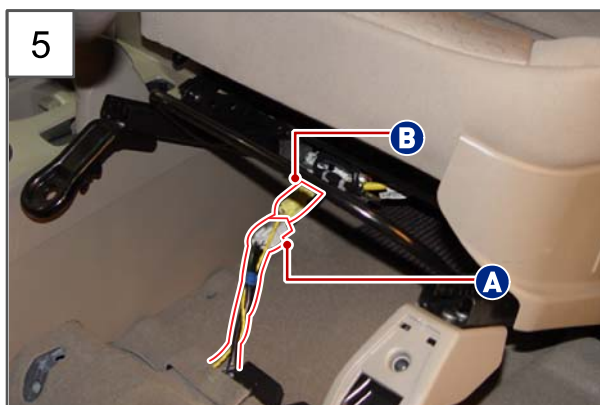
2. Unscrew the two rear seat mounting bolts (14 mm).



3. Open the front seat mounting bolt caps.



4. Unscrew the two front seat mounting bolts (A, 14 mm).



5. Lift the front of the seat. Then, remove the driver seat module (A) and disconnect the driver seat side air bag connector (B).



6. Remove the driver seat assembly.



7. Installation is in the reverse order of removal.

AIR
CONDITIO

AIR BAG

SEAT

SUNROO
FBODY
INTERIORBODY
EXTERIOBODY
REPAIR

دیجیتال خودرو
شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

SEAT
KORANDO 2015.01

03-46

7410-01

KORANDO

S.G.N.

7410-01

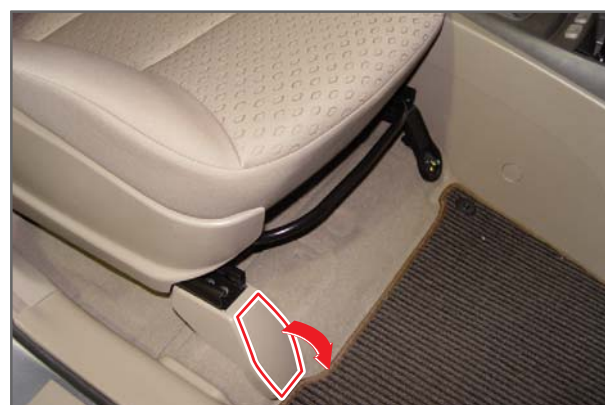
PASSENGER SEAT ASSEMBLY

Preceding work

- Disconnect the negative battery cable.



1. Open the rear seat mounting bolt caps.



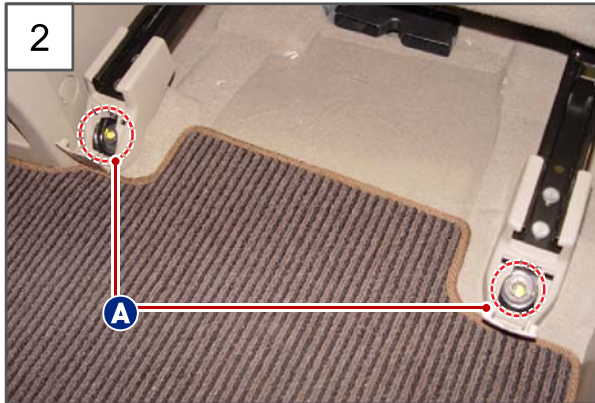
NOTE

If the front seat mounting bolt caps are opened first, the caps can be damaged while the seat is slid to open the rear seat mounting bolt caps.

SEAT

KORANDO 2015.01

| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |



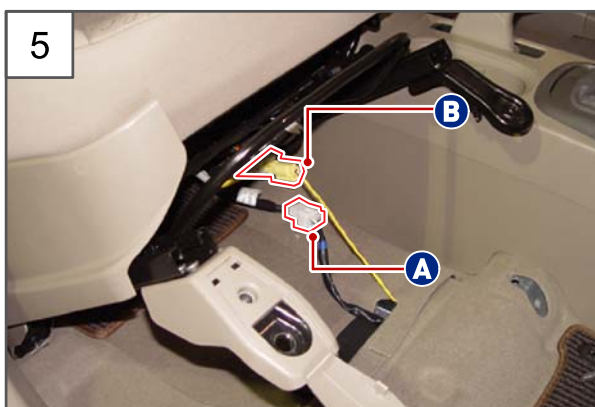
2. Unscrew the two rear seat mounting bolts (A, 14 mm).



3. Open the front seat mounting bolt caps.



4. Unscrew the two front seat mounting bolts (A, 14 mm).



5.. Lift the front of the seat. Then, remove the passenger seat module (A) and disconnect the passenger seat side air bag connector (B).

| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

03-48

7410-01

Korando



6. Remove the passenger seat assembly.



7. Installation is in the reverse order of removal.



دیجیتال خودرو سامانه (مستزاییت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

SEAT

KORANDO 2015.01

| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

S.G.N.

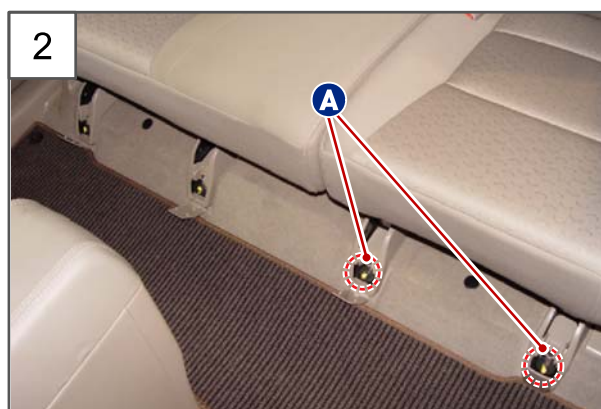
7510-01 REAR SEAT (LH, 6:4 PARTITION SEAT)

Preceding work

- Disconnect the negative battery cable.



1. Remove the rear seat mounting bolt covers (A).



2. Unscrew the two rear seat mounting bolts control unit.

| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

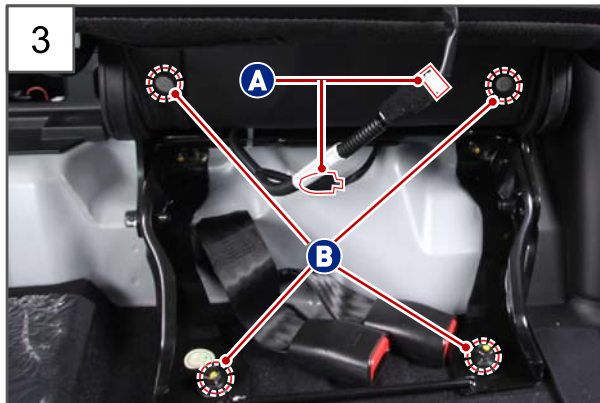
SEAT

KORANDO 2015.01

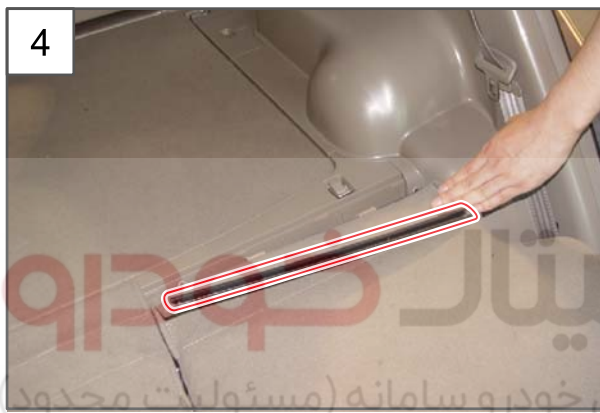
03-50

7510-01

KORANDO



3. Lift up the rear seat cushion to disconnect the heated wire connector (A) and unscrew the 4 mounting bolts (14 mm).



4. Remove the seat cover and the rear seat (LH).



5. Installation is in the reverse order of removal.

SEAT

KORANDO 2015.01

| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

S.G.N.

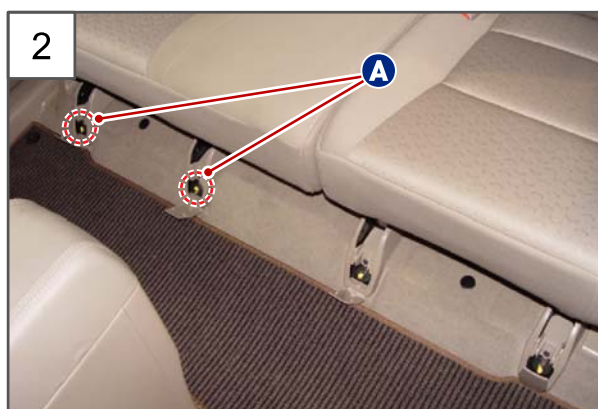
7510-02 REAR SEAT (RH, 6:4 PARTITION SEAT)

Preceding work

- Disconnect the negative battery cable.



1. Remove the rear seat mounting bolt covers (A).

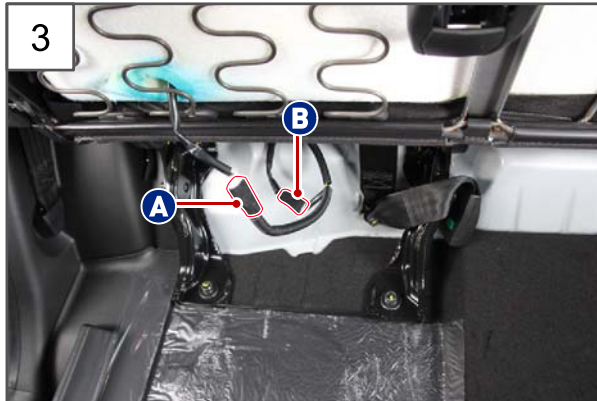


2. Unscrew the two mounting bolts (A, 12 mm).

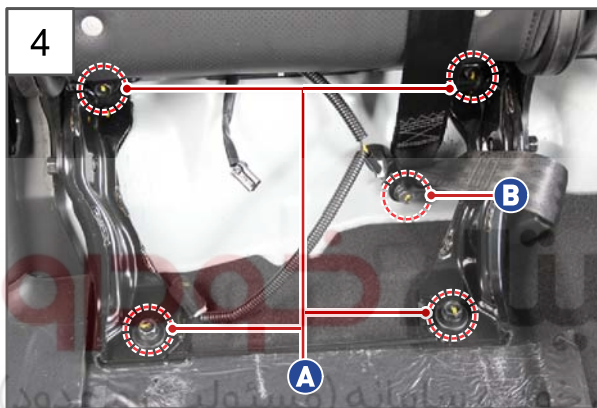
| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

SEAT

KORANDO 2015.01



3. Lift up the rear seat cushion to disconnect the heated wire connector (A) and seat belt tensioner connector (B).



4. Unscrew the 4 mounting bolts (A, 17 mm) for the rear seat and one mounting bolt (B, 17 mm) for the rear center seat belt.



5. Remove the seat cover and the rear seat (RH).



6. Installation is in the reverse order of removal.

S.G.N.

7430-00

SEAT BELT ASSEMBLY

Preceding work

- Disconnect the negative battery cable.
- Remove the B-pillar trim when removing the front seat belt.
- Remove the C-pillar trim when removing the rear seat belt.

► Front



1. Disconnect the pretensioner connector.

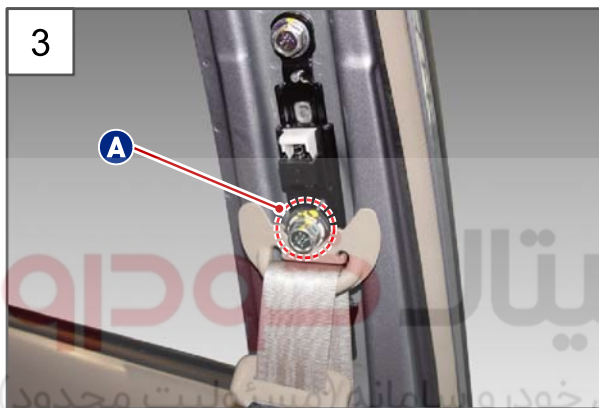
| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

SEAT

KORANDO 2015.01



2. Unscrew the seat belt mounting bolt (17 mm).



3. Unscrew the mounting bolt (A, 17 mm) for the seat belt and height adjuster.



4. Unscrew the mounting bolt (A, 10 mm) for the seat belt assembly housing to remove the seat belt assembly.



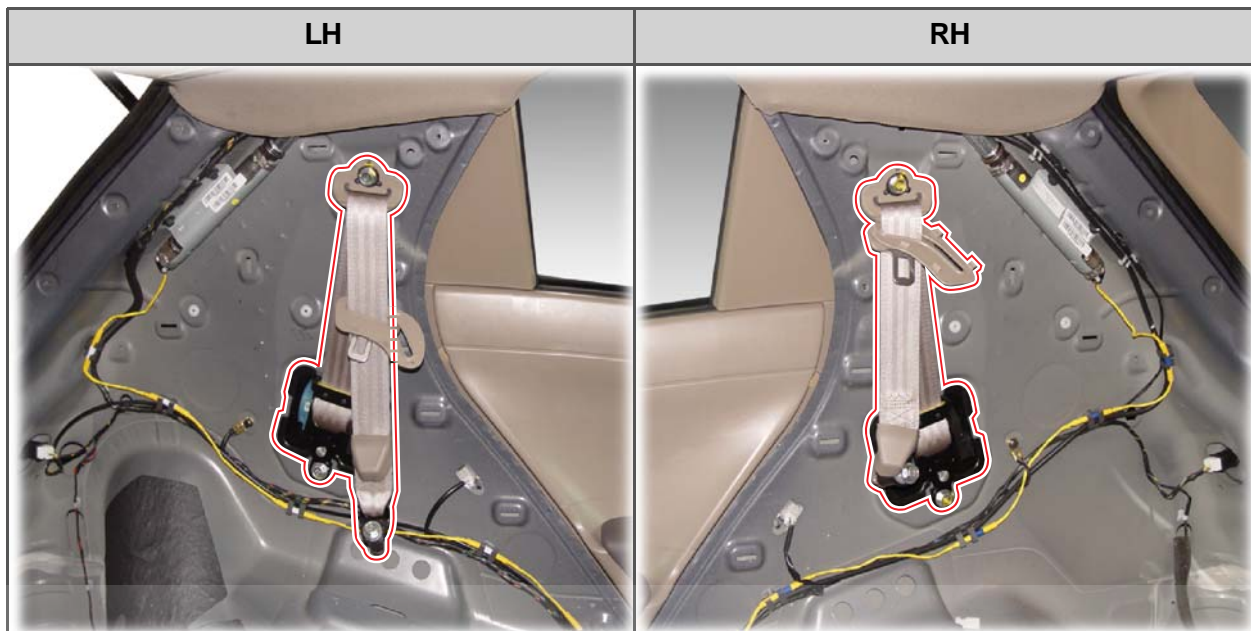
5. Installation is in the reverse order of removal.



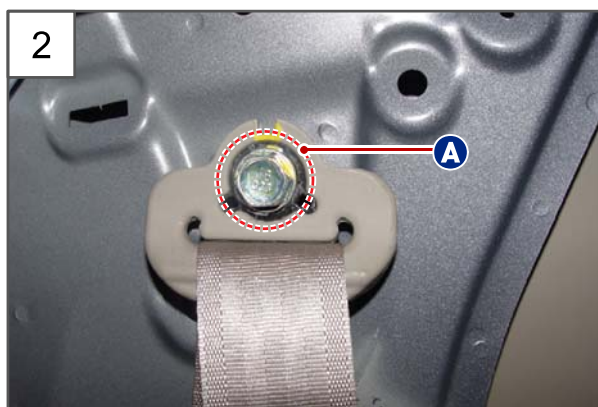
CAUTION

Be careful not to apply any shock because the driver/passenger seat belt assemblies have built-in pretensioners.

► Rear



1. Unscrew the lower mounting bolt (A, 17 mm) for the seat belt.



2. Unscrew the upper mounting bolt (A, 17 mm) for the seat belt.

| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

SEAT
KORANDO 2015.01

03-56

7430-00

KORANDO



3. Unscrew the mounting bolt (A, 12 mm) for the seat belt assembly housing to remove the seat belt assembly.



4. Installation is in the reverse order of removal.



اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

SEAT

KORANDO 2015.01

| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

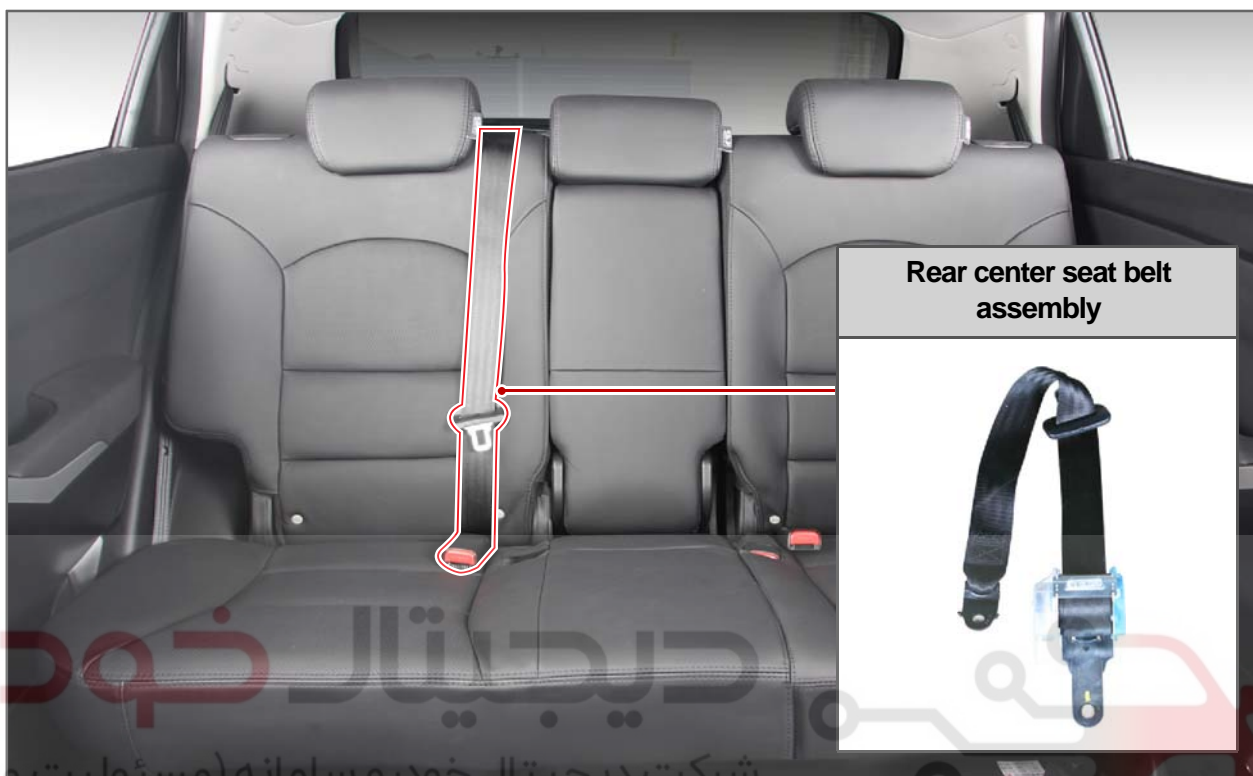
S.G.N.

7430-01

REAR CENTER SEAT BELT (3-POINT TYPE)

Preceding work

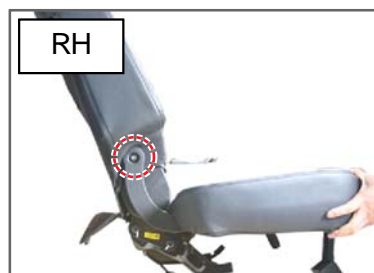
- Remove the rear seat (RH, 6:4 partition seat).



1. Remove the rear center head restraint assembly (A) and rear outer head restraint assembly (B) of the 1st row.



2. Unscrew the two mounting bolts (12 mm) from both sides of the linkage cover.



| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

SEAT

KORANDO 2015.01



3. Separate the upper and lower parts of the rear seat assembly.



4. Remove the 4 head restraint sleeves.



CAUTION

Do not apply excessive force when removing the head restraint sleeve with a remover, as it can damage the part (A).



5. Unscrew the two mounting screws for the rear center seat belt and remove the mounting clip for the seat belt.



6. Remove the rear seat belt webbing through the opening of the mounting clip (A) in the direction of the arrow as shown in the figure.





7. Pull out the rear seat folding lever housing in the direction of the arrow.



8. Remove the rear seat folding lever housing.



9. Remove the rear back armrest assembly cap of the 1st row.



10. Unscrew the mounting bolt (12 mm) for the rear back armrest of the 1st row.



| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

SEAT
KORANDO 2015.01



11. Remove the rear back armrest assembly from the rear seat assembly of the 1st row.



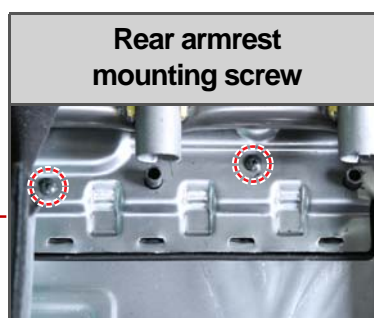
12. Unscrew the two mounting screws for the front cover armrest.



13. Remove the front cover armrest from the rear seat assembly of the 1st row.

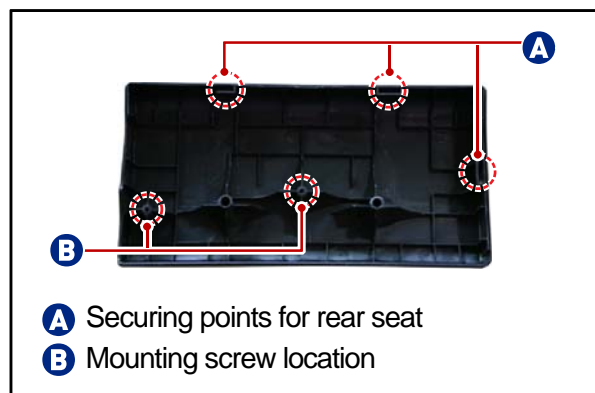


14. Unscrew the two mounting screws for the rear armrest cover.





15.Remove the rear armrest cover.



16.Remove the rear seat left cover of the 1st row.



17.Remove the tether anchor cover using a plastic remover.



18.Remove the rear seat lower cover of the 1st row.

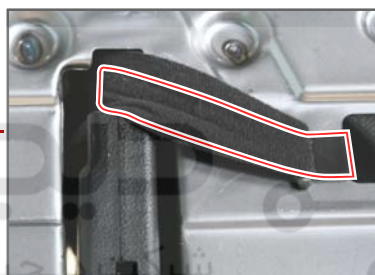
| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |



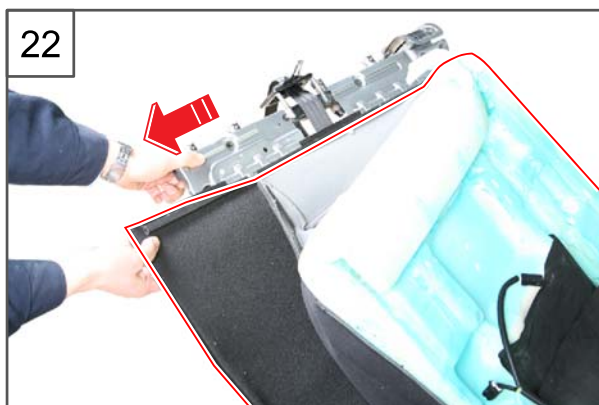
19. Remove the rear seat back cover (zipper type).



20. Remove the seat cover mounting clip from the bottom of the rear seat (1st row).



21. Turn over the rear seat cushion to the front side.



22. Pull out the seat cover from the rear seat frame in the direction of the arrow as shown in the figure.

23



23.Remove the seat belt by unscrewing the mounting nut (17 mm) for the rear center seat belt.

24



24.Installation is in the reverse order of removal.

AIR
CONDITIO

AIR BAG

SEAT

SUNROO
FBODY
INTERIORBODY
EXTERIOBODY
REPAIR

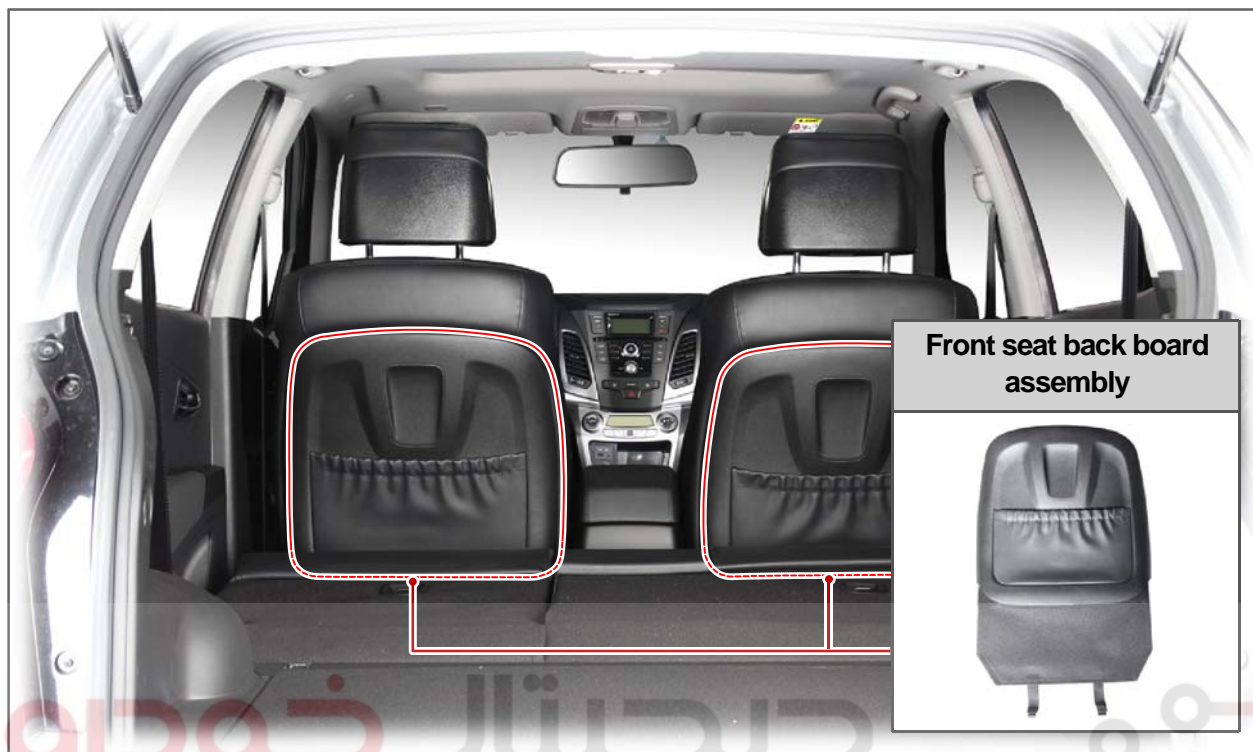
دیجیتال خودرو
شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

SEAT
KORANDO 2015.01

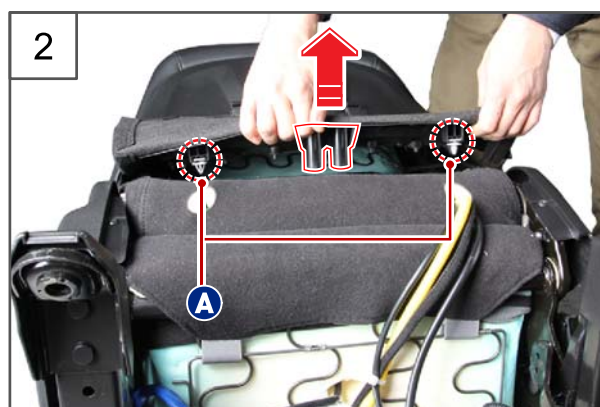
S.G.N.

7410-10 FRONT SEAT BACK BOARD ASSEMBLY

1. Remove the mounting clip for the seat back board assembly from the front seat frame.

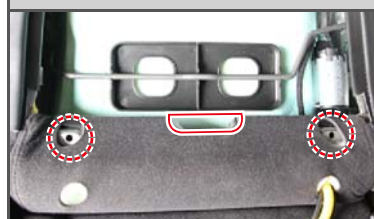
NOTE

To get a better understanding of this, this picture was taken with the front seat assembly removed.



2. Remove the seat back board assembly from the front seat in the direction of the arrow.

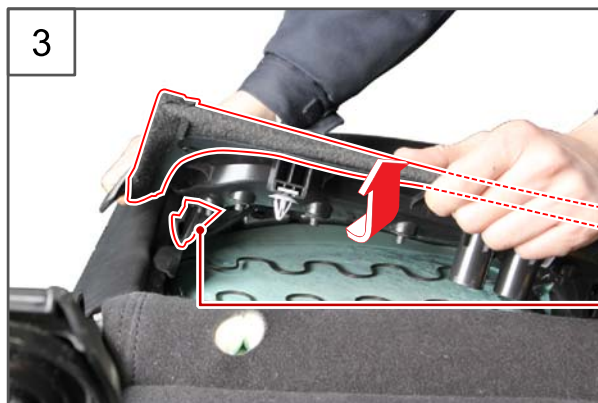
Securing points for bottom of seat back board



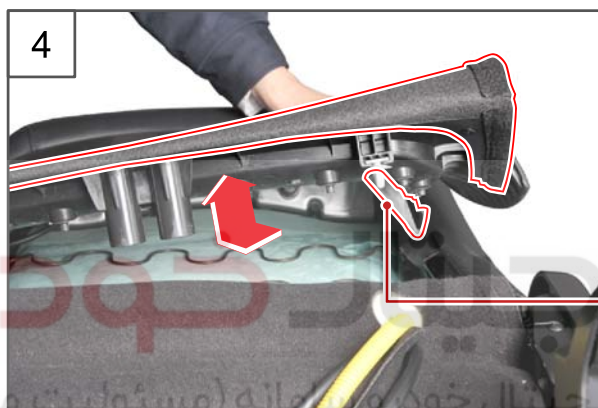
SEAT

KORANDO 2015.01

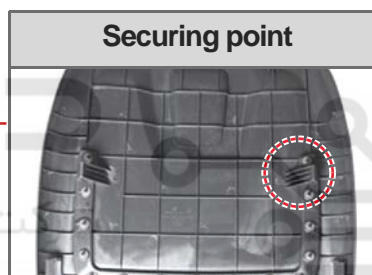
| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |



3. Separate the left side of the seat back board assembly from the front seat in the direction of the arrow as shown in the figure.



4. Separate the right side of the seat back board assembly from the front seat in the direction of the arrow.



5. Then separate upper part of the seat back board assembly from the front seat in the direction of the arrow to completely remove it.



6. Installation is in the reverse order of removal.

| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

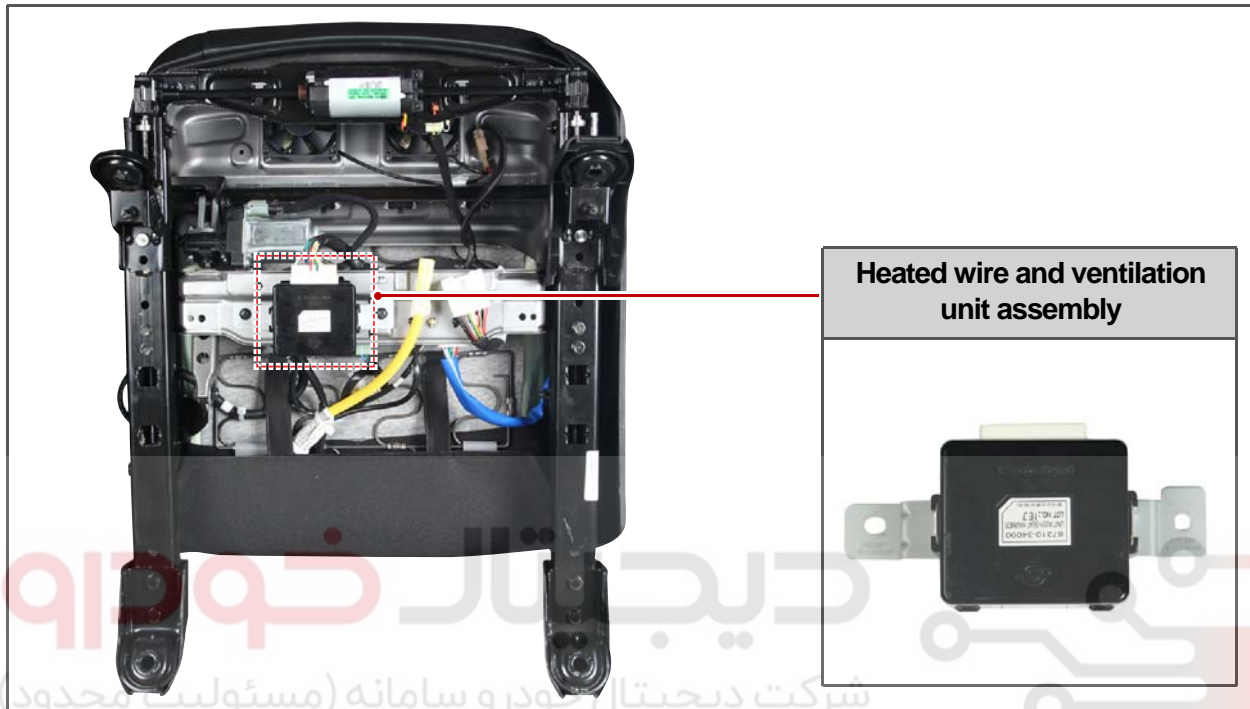
S.G.N.

7410-32

HEATED WIRE AND VENTILATION UNIT ASSEMBLY

Preceding work

- Disconnect the negative battery cable.
- Remove the driver seat assembly. Refer to "Removal and installation, Front seat" section of "SEAT".



1. Disconnect the heated wire and ventilation unit connector.



2. Unscrew the 2 mounting screws for heated wire and ventilation unit.

SEAT

KORANDO 2015.01

| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |



3. Remove the heated wire and ventilation unit assembly.



4. Install in the reverse order of removal.

AIR
CONDITIO

AIR BAG

SEAT

SUNROO
FBODY
INTERIORBODY
EXTERIOBODY
REPAIR

دیجیتال خودرو
شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

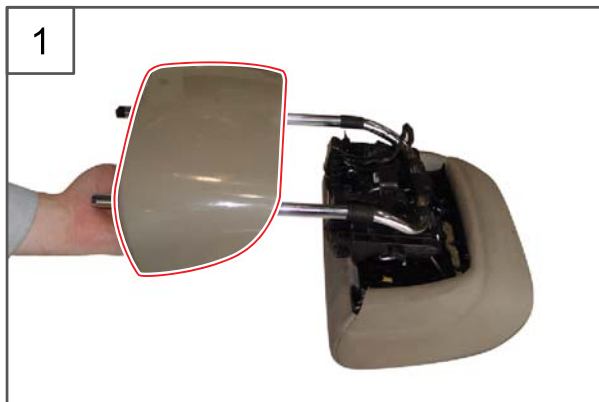
| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

SEAT
KORANDO 2015.01

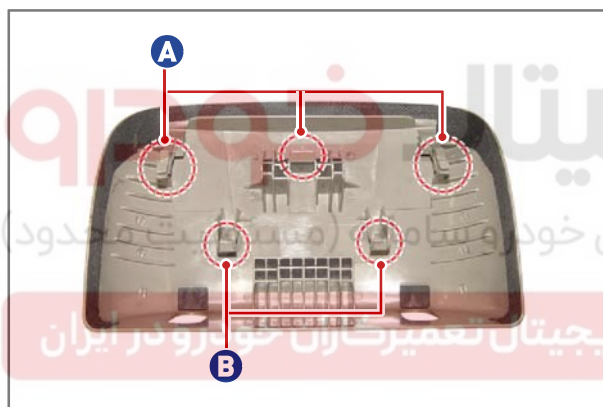
S.G.N.

7410-05 FRONT HEAD RESTRAINT ASSEMBLY**► Active head restraint management after activation**

The active head restraint can be engaged again for later use when it has been activated by rear impact as follows:



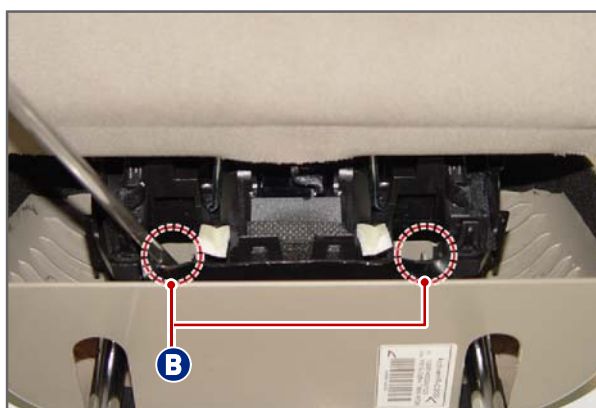
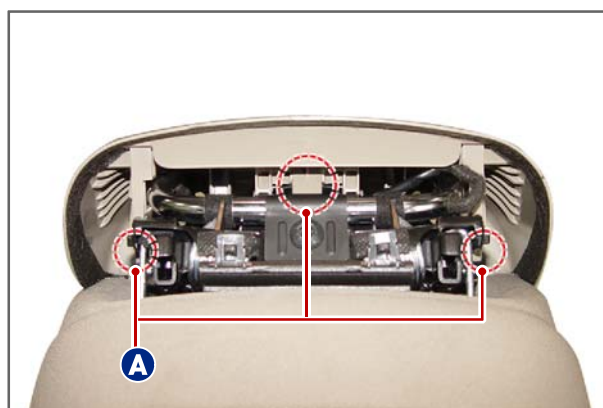
1. Remove the active head restraint rear cover.



- Remove the 3 mounting keys (A) and then remove the 2 mounting keys (B).

**CAUTION**

Be careful not to damage any mounting key during removal.



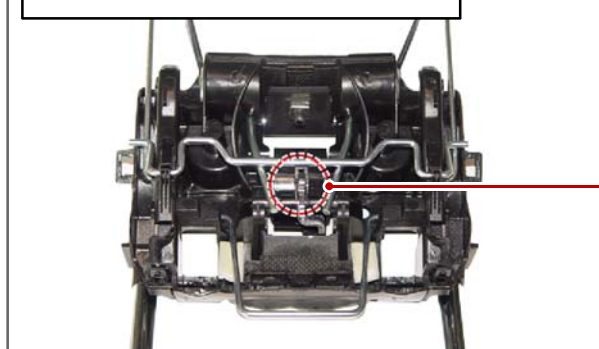
| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |



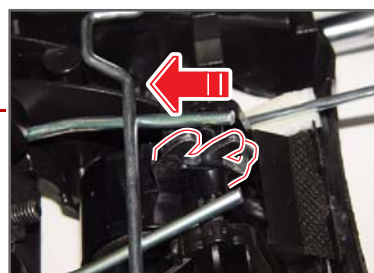
2. Press the upper part of the active head restraint with a knee while pushing it in the direction of the arrow (A) until a click sound can be heard.



Removed active head restraint



NOTE
Make sure that the latch is completely seated in the direction of the arrow before installing the active head restraint.



| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

03-70

7410-05

KORANDO

3



3. Install the active head restraint rear cover.

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



SEAT

KORANDO 2015.01

| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

S.G.N.

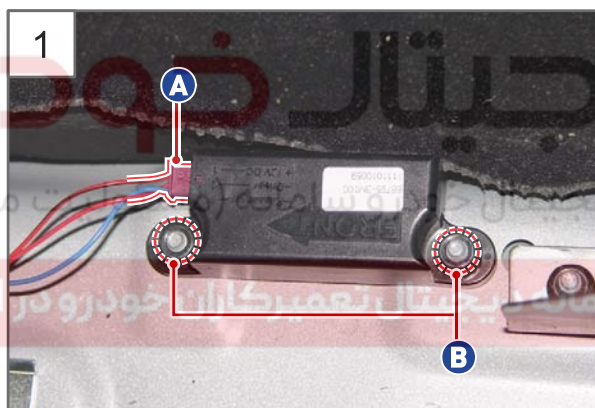
7410-30

ACTIVE HEAD RESTRAINT SENSOR

Preceding work

- Remove the front console assembly. Refer to "Removal and installation, Front console" section of "Body".

| Mounted | Component |
|---|--|
|  |  |



1. Disconnect the connector (A) for the active head restraint and unscrew the 2 mounting nuts (B, 10 mm).



2. Remove the active head restraint.

3. Install in the reverse order of removal.

| | |
|--------------------|--|
| Modification basis | |
| Application basis | |
| Affected VIN | |

SEAT

KORANDO 2015.01

Memo

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

