

BODY EXTERIOR

6110-01/6110-04/6110-06/6210-01/6310-01/6410-01/7115-01/
7120-01/7215-01/7220-01/7310-01/7321-01/7840-01/7870-00/
7870-01/7880-01/7930-01/

INDEX

BODY EXTERIOR

OVERVIEW AND OPERATION PROCESS

1. COMPOSITION OF BODY EXTERIOR...	3
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CONFIGURATION AND FUNCTIONS

7870-01 FRONT BUMPER FASCIA.....	5
7880-01 REAR BUMPER ASSEMBLY.....	6
6110-01 HOOD ASSEMBLY.....	7
7930-01 SIDE SILMOLDING.....	8
6210-01 FRONT DOOR ASSEMBLY.....	9
7120-01 FRONT WINDOW REGULATOR..	10
6310-01 REAR DOOR ASSEMBLY.....	11
7120-01 REAR WINDOW REGULATOR....	12
6410-01 TAILGATE ASSEMBLY.....	13

REMOVAL AND INSTALLATION

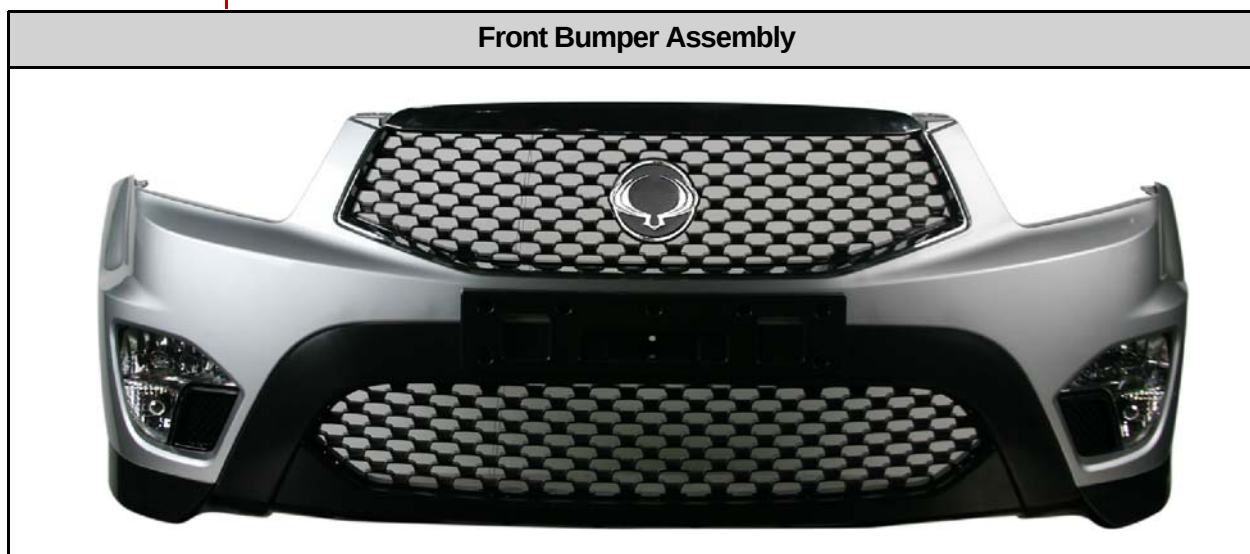
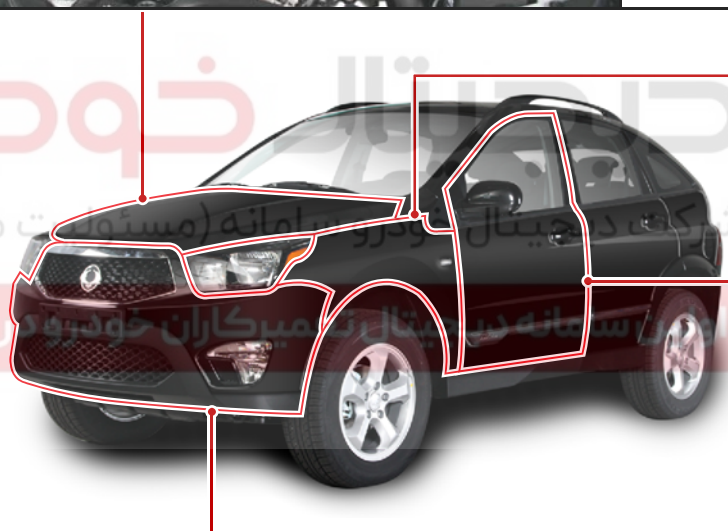
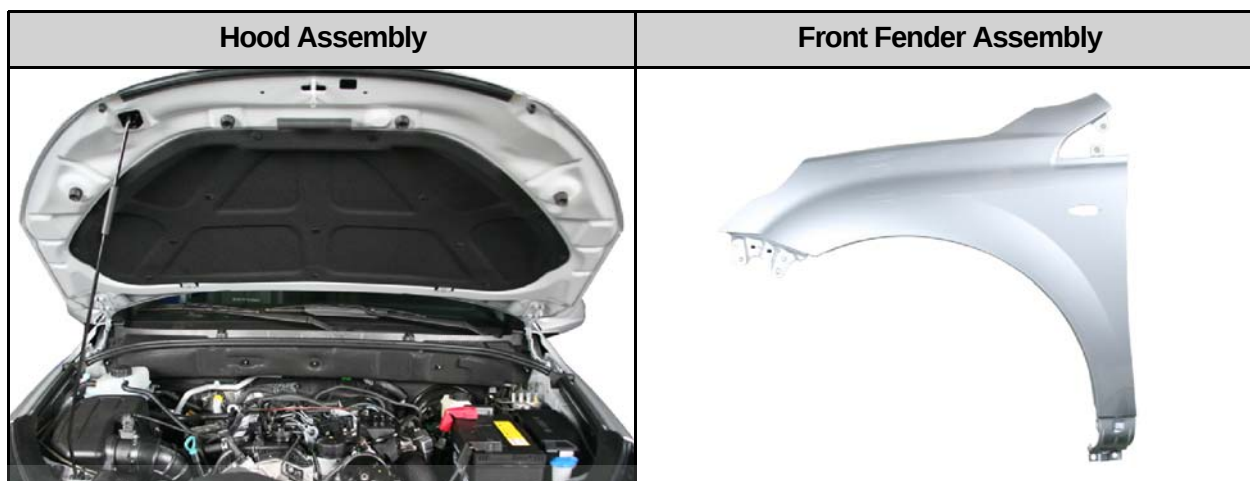
7870-00 FRONT BUMPER ASSEMBLY.....	15
7880-01 REAR BUMPER ASSEMBLY.....	20
6110-01 HOOD PANEL ASSEMBLY.....	23
6110-06 HOOD LATCH ASSEMBLY.....	25
6110-04 HOOD INSULATOR.....	27
7930-01 SIDE SILL MOLDING.....	28
7870-01 FENDER PANEL.....	29
7115-01 FRONT DOOR TRIM (DRIVER SIDE).....	33
6210-01 FRONT DOOR(DRIVER SIDE).....	35
7120-01 WINDOW REGULATOR (PASSENGER SIDE).....	36
7215-01 REAR DOOR TRIM.....	37
6310-01 REAR DOOR ASSEMBLY.....	39
6310-01 REAR DOOR MOLDING AND PANEL.....	40
7220-01 REAR WINDOW REGULATOR.....	41
7321-01 TAILGATE TRIM.....	44
6410-01 TAILGATE ASSEMBLY.....	46
7310-01 TAILGATE LATCH AND ACTUATOR.....	48
7840-01 REAR QUARTER GLASS.....	50

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



BODY EXTERIOR**7870-00****OVERVIEW AND OPERATION PROCESS****1. COMPOSITION OF BODY EXTERIOR**

Modification basis	
Application basis	
Allocated VIN	

BODY EXTERIOR

ACTYON 2012.12

Rear Door Assembly



Tailgate Assembly



Side sill garnish

Rear Bumper Assembly



CONFIGURATION AND FUNCTION

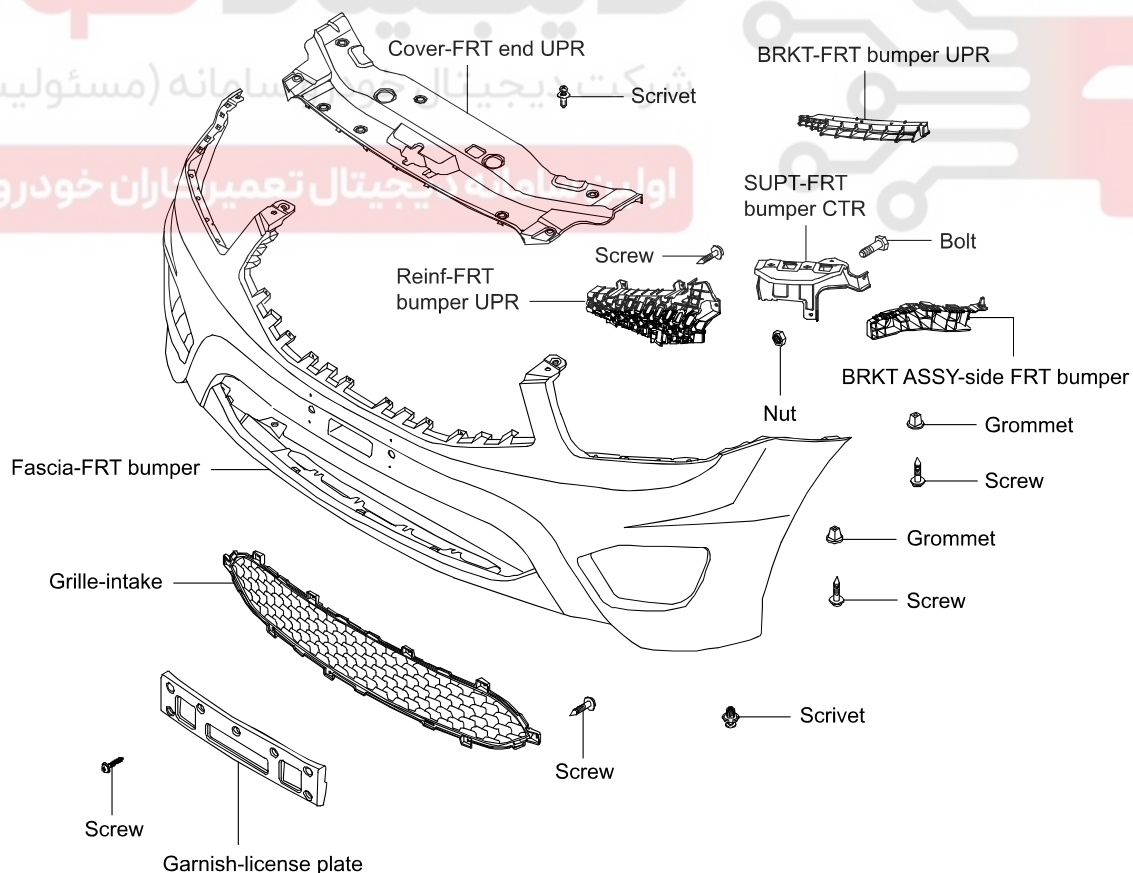
S.G.N.

7870-01 FRONT BUMPER FASCIA



Front Bumper Assembly

2012 M/Y ~



Modification basis	
Application basis	
Allocated VIN	

BODY EXTERIOR

ACTYON 2012.12

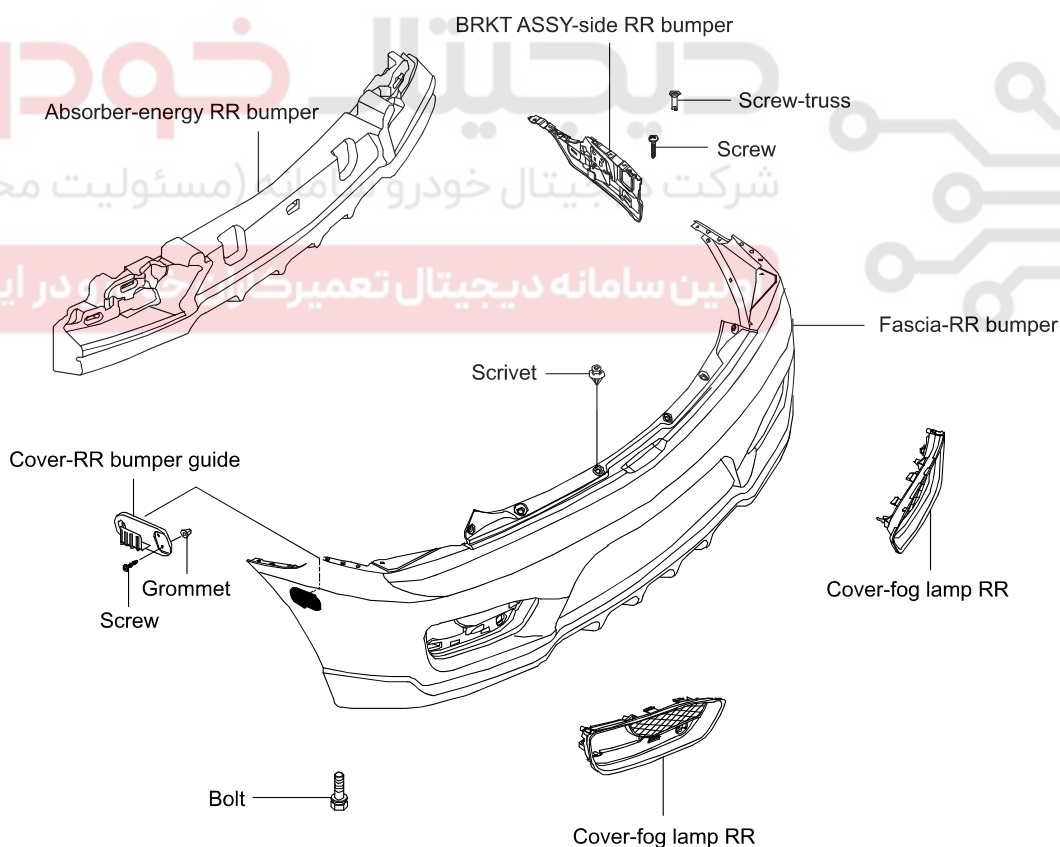
S.G.N.

7880-01 REAR BUMPER ASSEMBLY



Rear Bumper

2012 M/Y ~



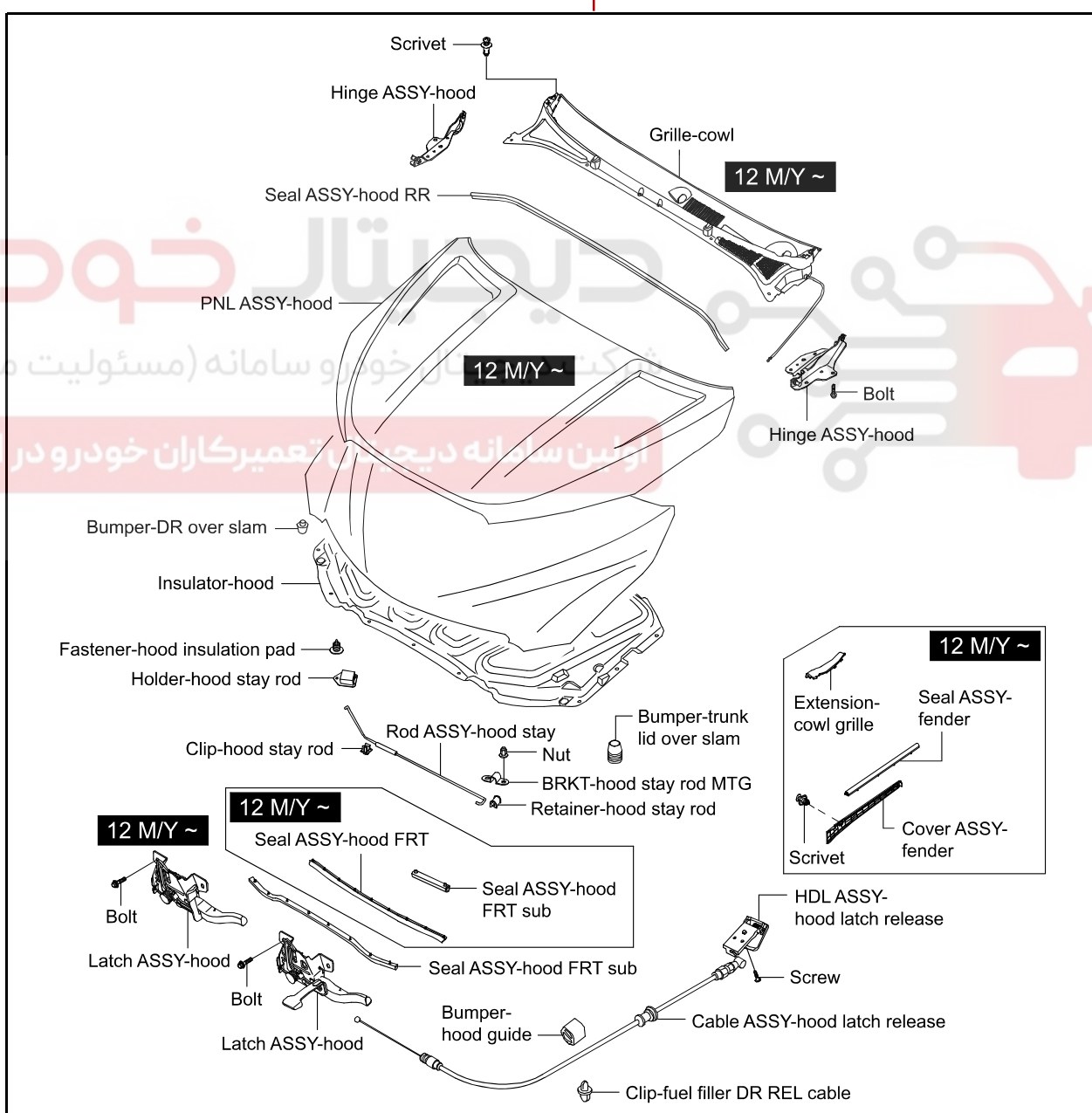
BODY EXTERIOR

ACTYON 2012.12

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92

S.G.N.

6110-01 HOOD PANEL ASSEMBLY



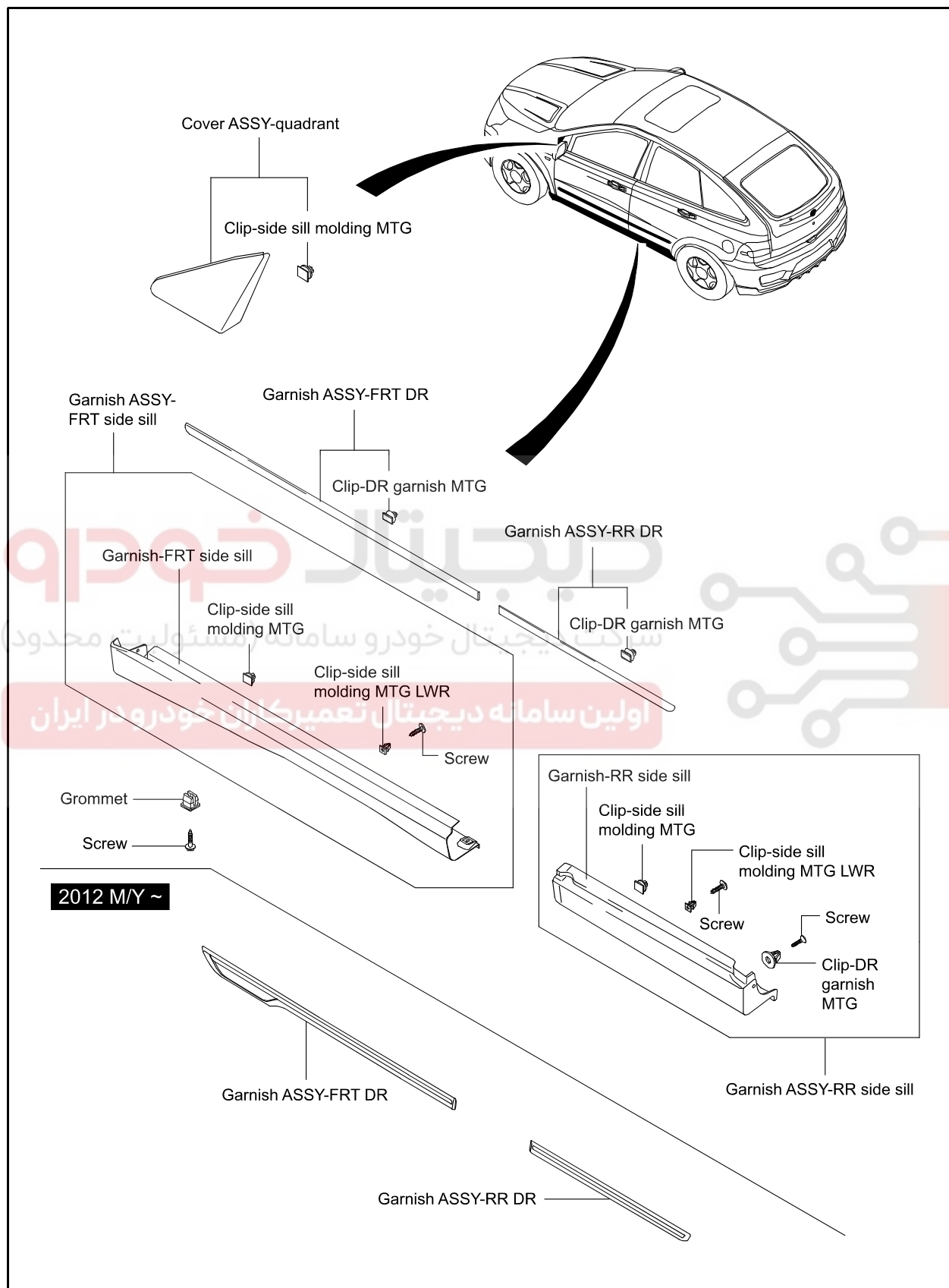
Modification basis	
Application basis	
Allocated VIN	

BODY EXTERIOR

ACTYON 2012.12

S.G.N.

7930-01 SIDE SILMOLDING



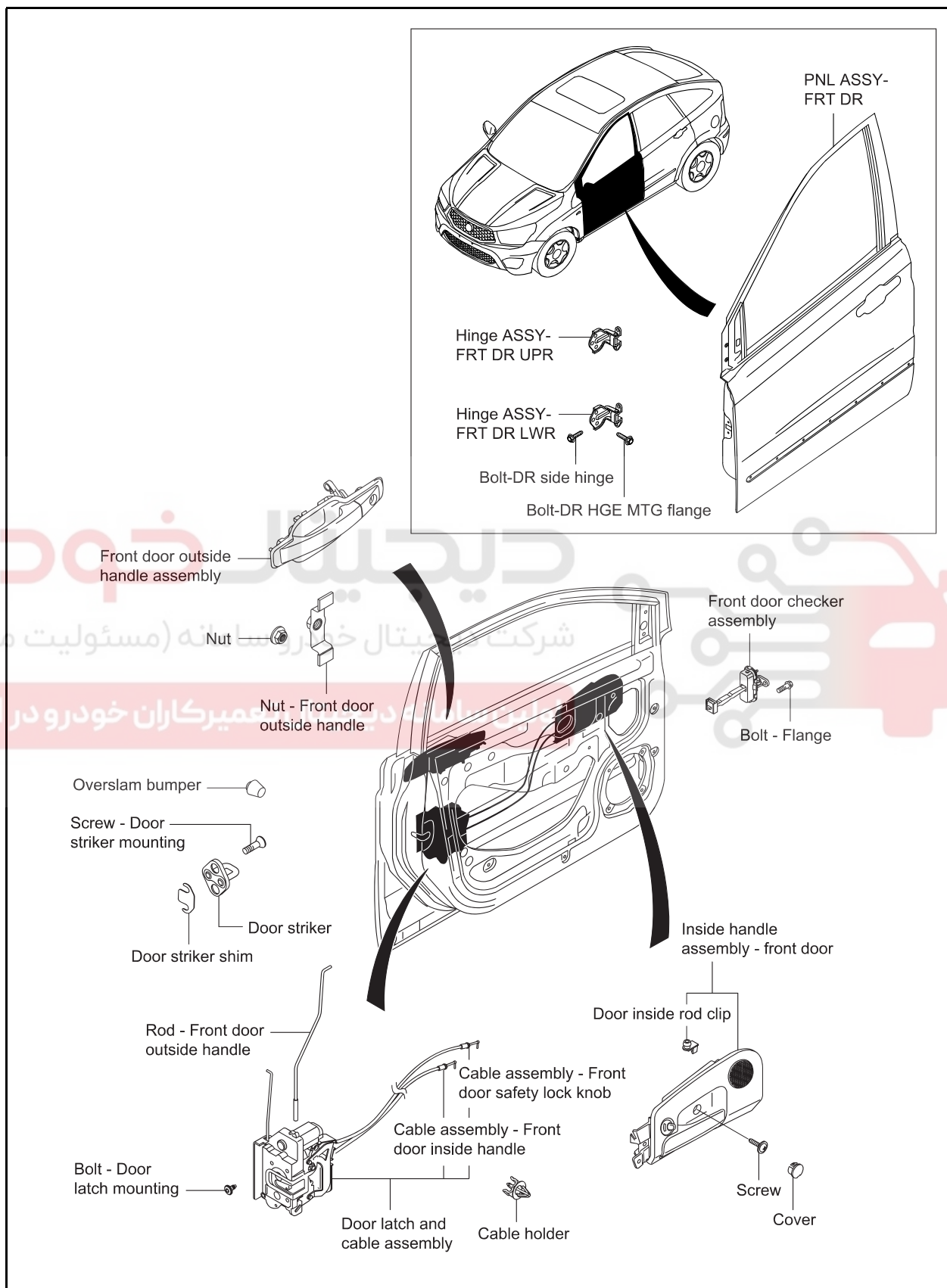
BODY EXTERIOR

ACTYON 2012.12

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92

S.G.N.

6210-01 FRONT DOOR ASSEMBLY



Modification basis	
Application basis	
Allocated VIN	

BODY EXTERIOR

ACTYON 2012.12

S.G.N

7120-01

FRONT WINDOW REGULATOR

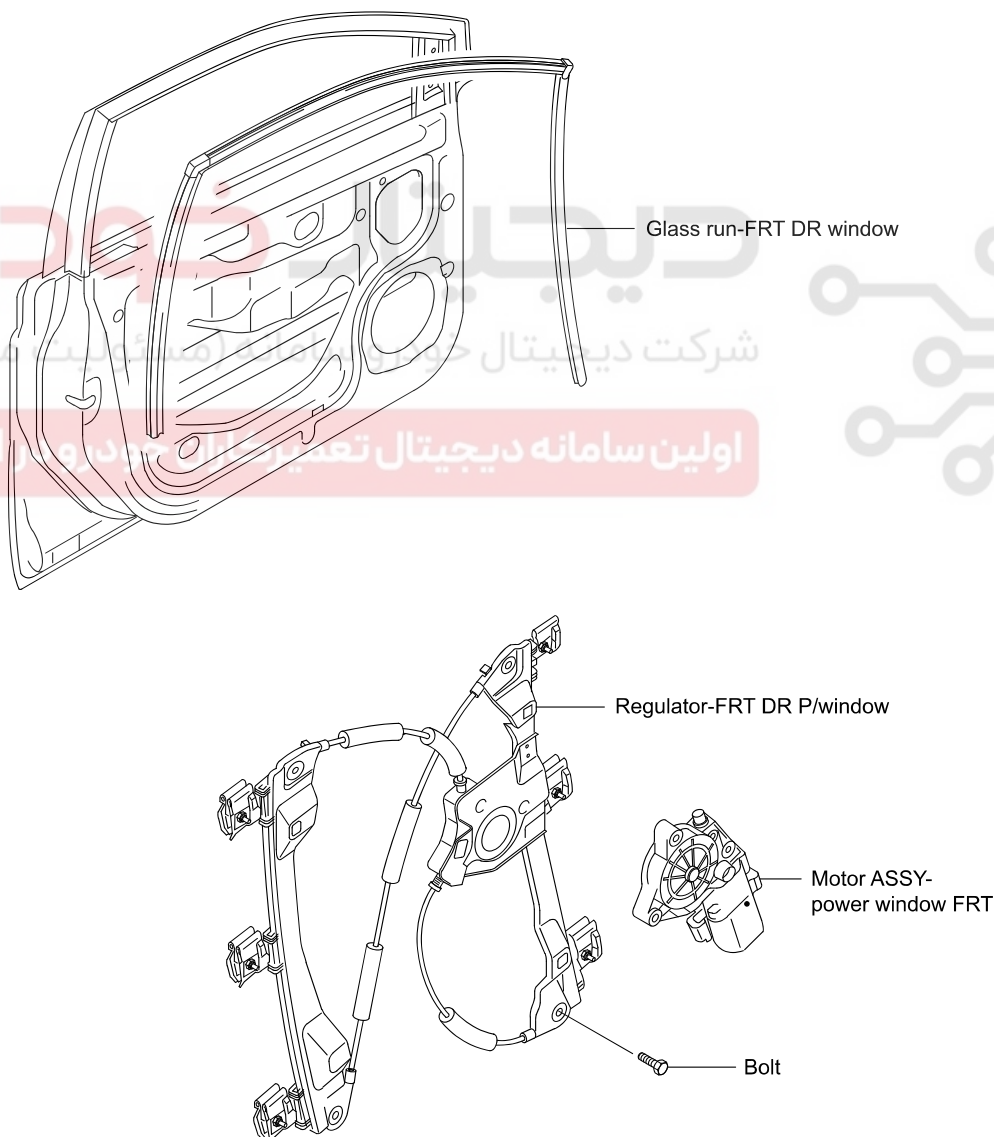
1) Dual Rail with Regulator

► The dual rail with regulator is installed to this vehicle. Its advantages are as below:

Smooth operation

- 1) Safety operation
- 2) Preventing the glass pinch
- 3) Preventing the glass tilting
- 4) Reduced the length of glass run
- 5) Increased durability of lifting mechanism (including glass run)
- 6) No contamination due to grease (applied solid coating)

Components



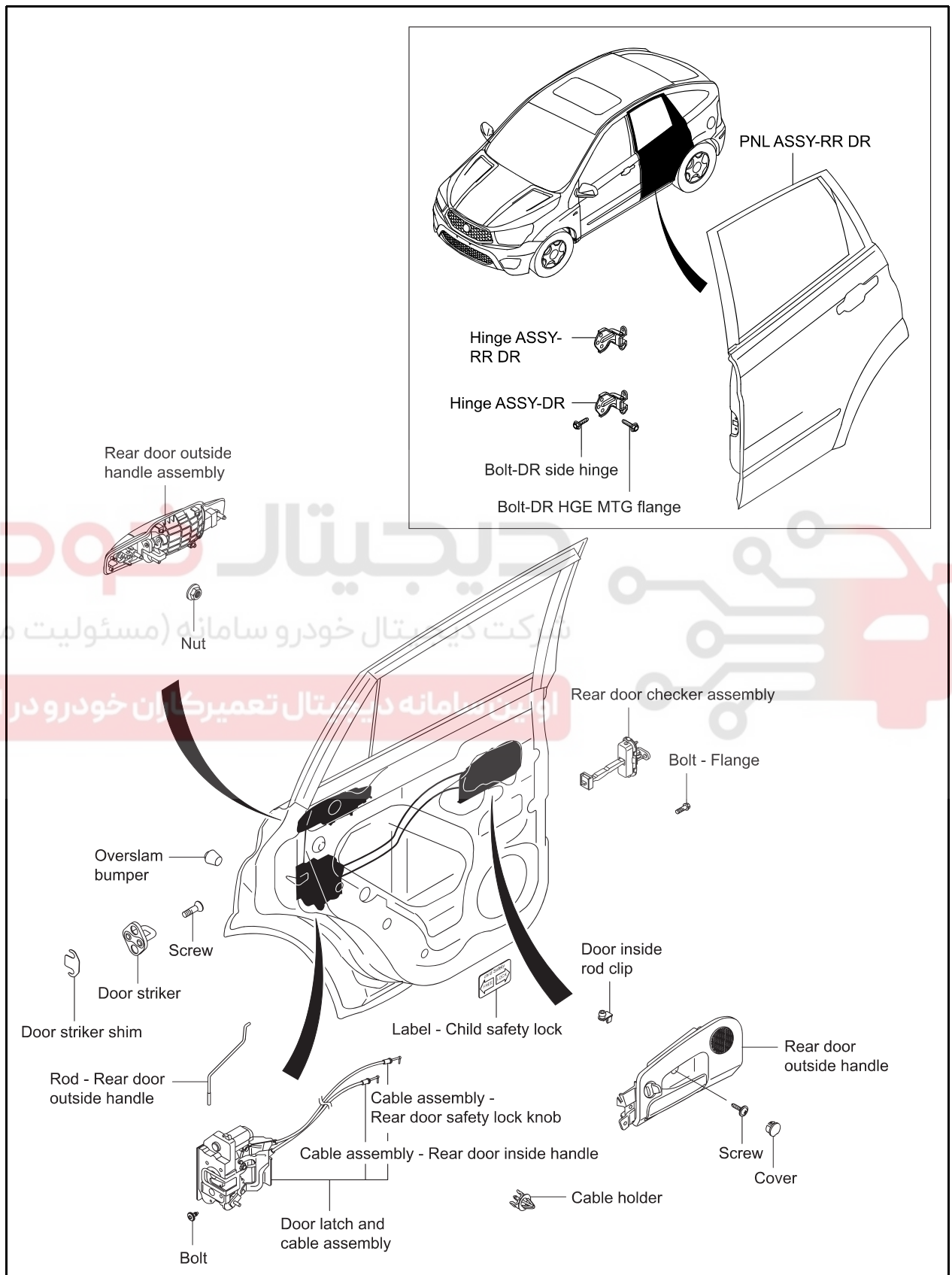
BODY EXTERIOR

ACTYON 2012.12

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92

S.G.N.

6310-01 REAR DOOR ASSEMBLY



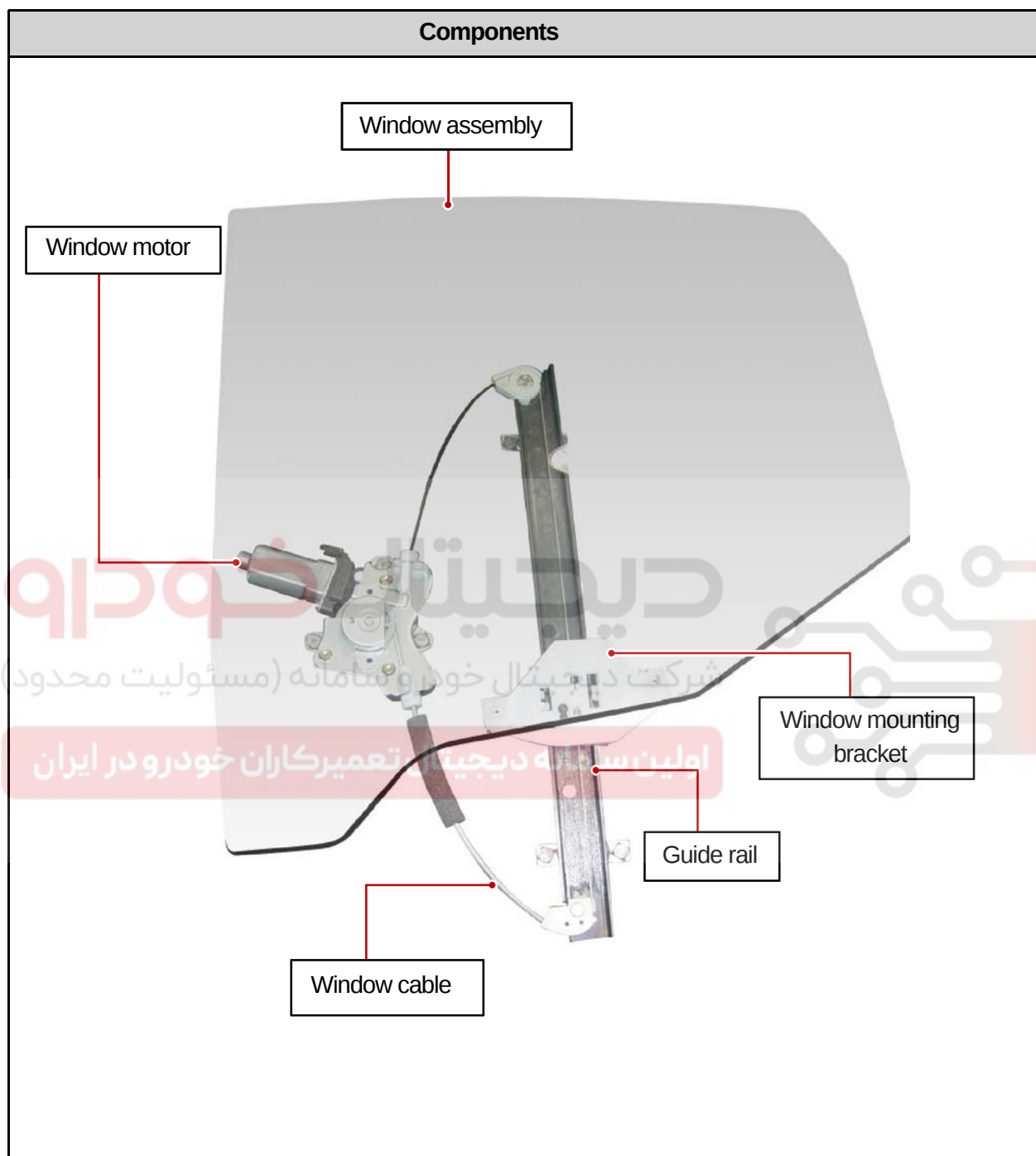
Modification basis	
Application basis	
Allocated VIN	

BODY EXTERIOR

ACTYON 2012.12

S.G.N.

7120-01 REAR WINDOW REGULATOR



BODY EXTERIOR

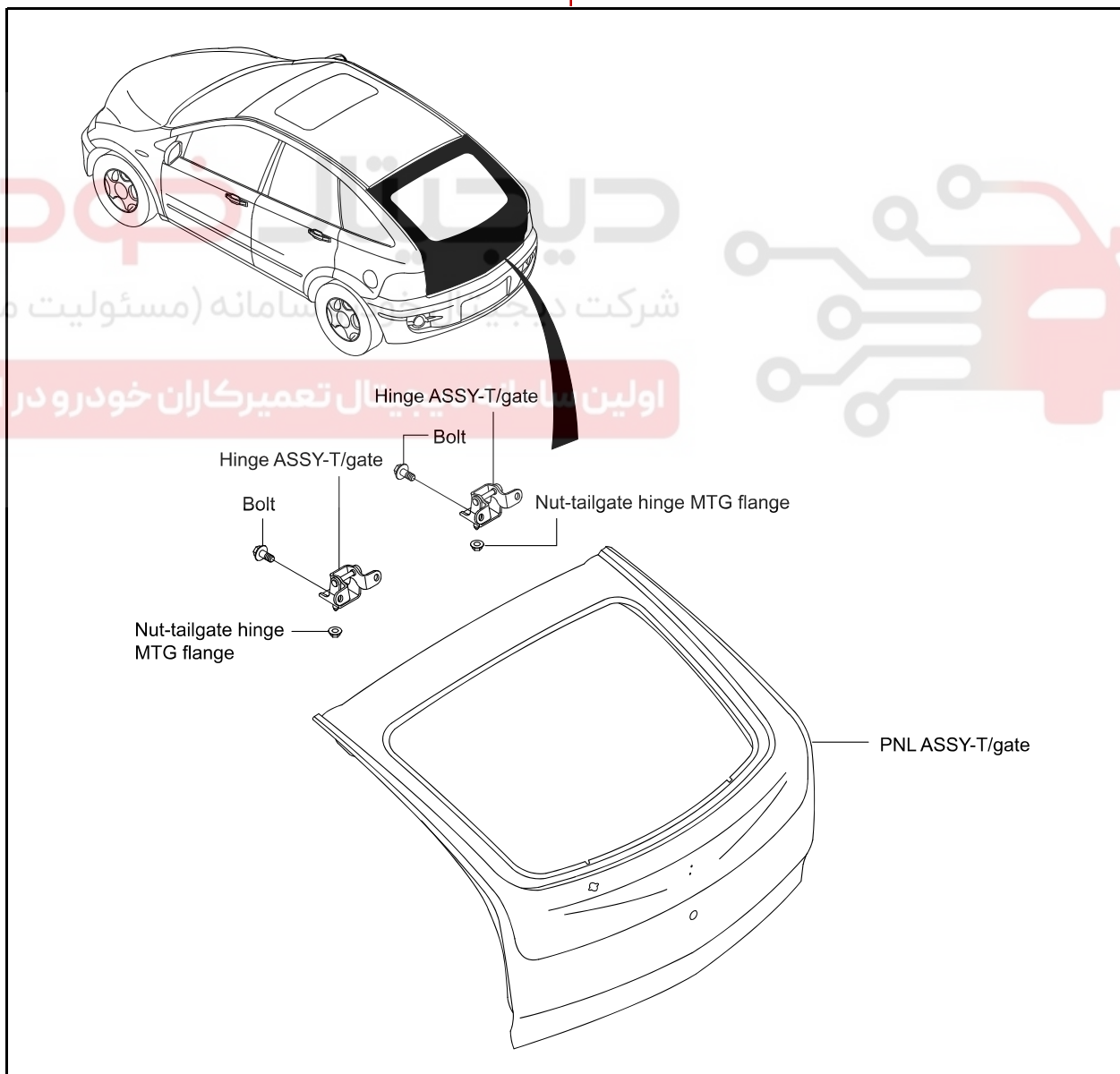
ACTYON 2012.12

Modification basis	
Application basis	
Affected VIN	021 62 99 92 92

S.G.N.

6410-01 TAILGATE ASSEMBLY

1) Layout

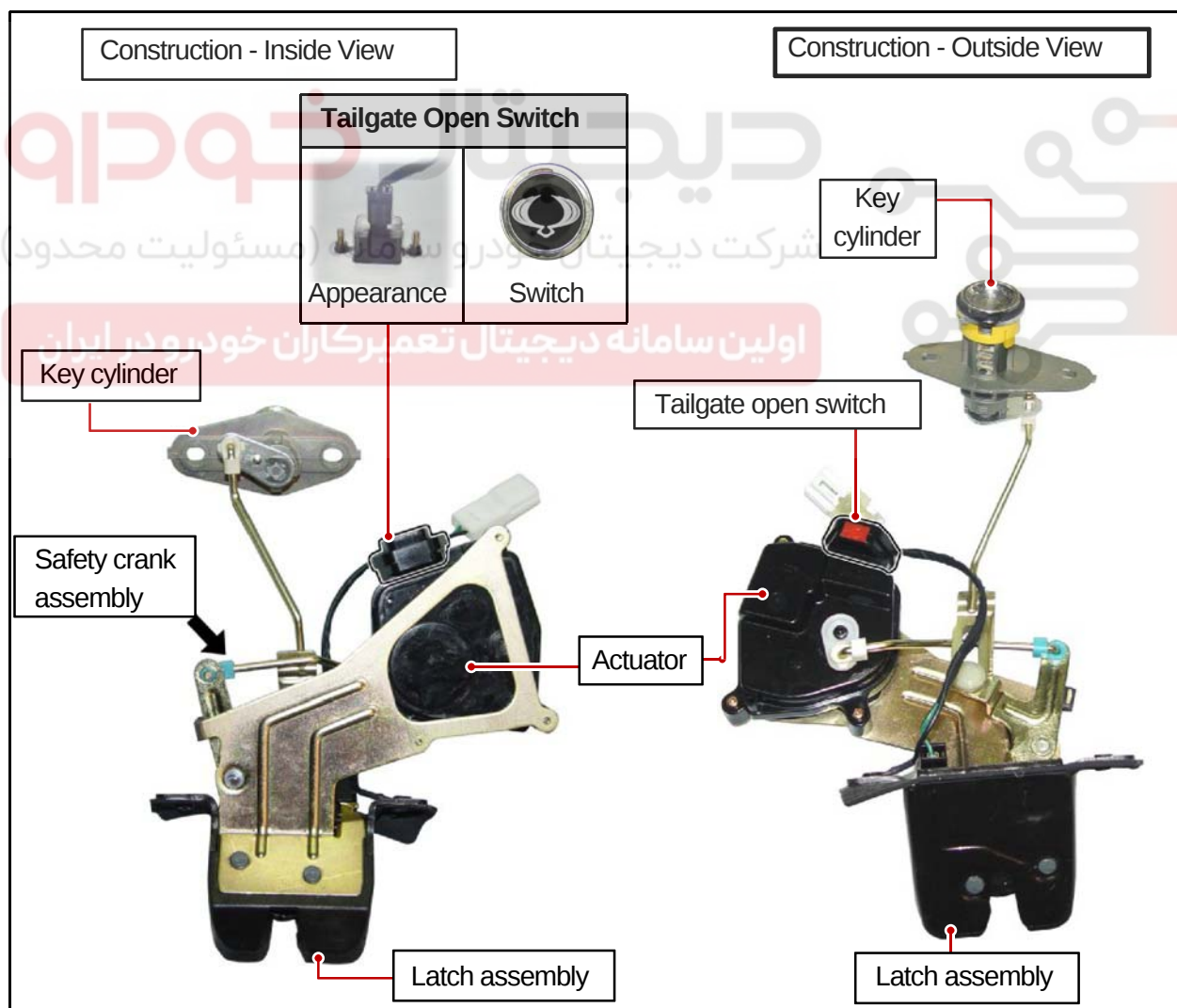


Modification basis	
Application basis	
Allocated VIN	

BODY EXTERIOR

ACTYON 2012.12

2) Operating Mechanism



REMOVAL AND INSTALLATION

S.G.N.

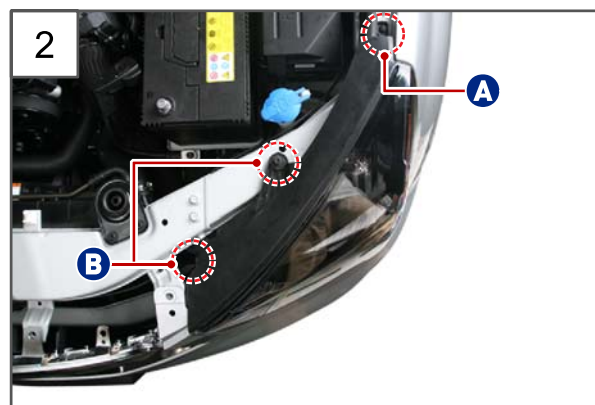
7870-00

FRONT BUMPER ASSEMBLY

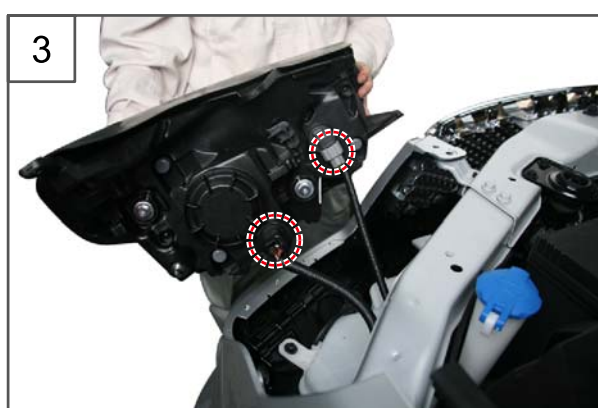
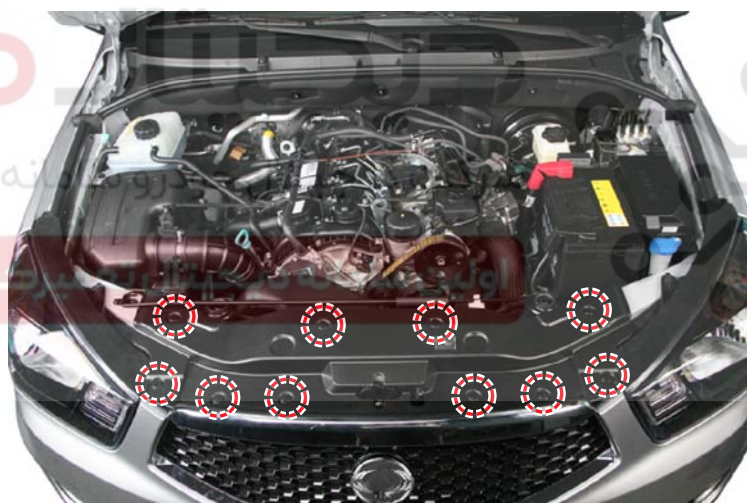
Preceding work - Disconnect the negative cable from the battery.



1. Open the hood, remove ten screw rivets, and remove the front end upper cover.



2. Unscrew one screw (A) and two bolts (B, 10 mm) from the front lamps.



3. Disengage the connectors and remove the front lamp assembly.



4. Remove three screw rivets from the wheel house covers.

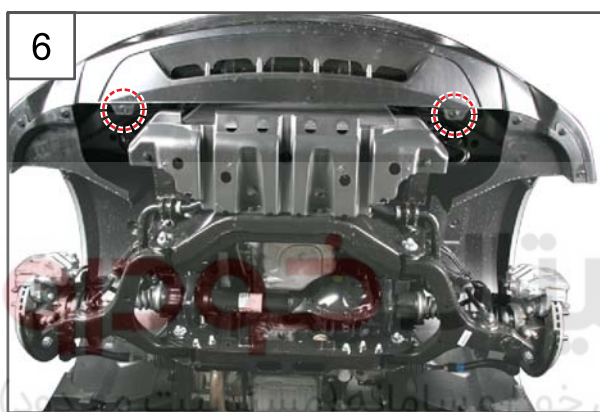
Modification basis	
Application basis	
Allocated VIN	

BODY EXTERIOR

ACTYON 2012.12



5. Unscrew the bolt from both ends of front bumper.



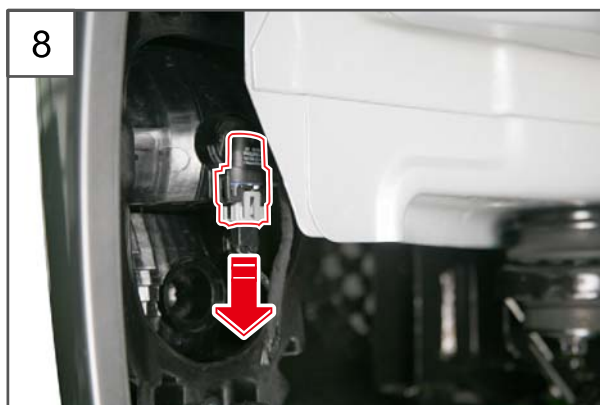
6. Remove two rivets from the front bumper lower fascia.



7. Separate the front wheel house cover.

CAUTION

Do not apply excessive force.



8. Disengage the connector from the front fog lamps.



9. Unscrew the bolt (10 mm) in the license plate garnish.



10. Separate the front bumper from the bumper bracket.

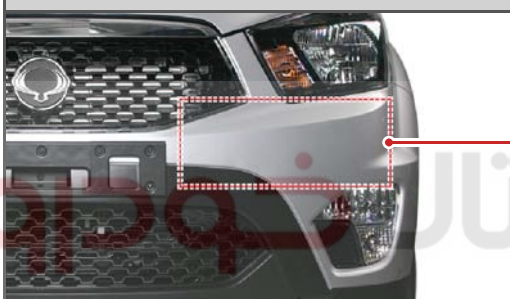


11. Pull the front bumper and remove it upward.

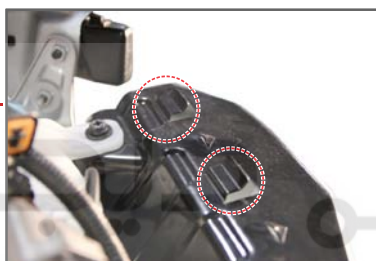
Modification basis	
Application basis	
Allocated VIN	

CAUTION

To remove the front bumper, remove the front lamps first.

Location of mounting bracket

The front bumper is installed on the front panel bracket.

**12**

12. Install the front bumper assembly in the reverse order of removal.

Front view of front bumper



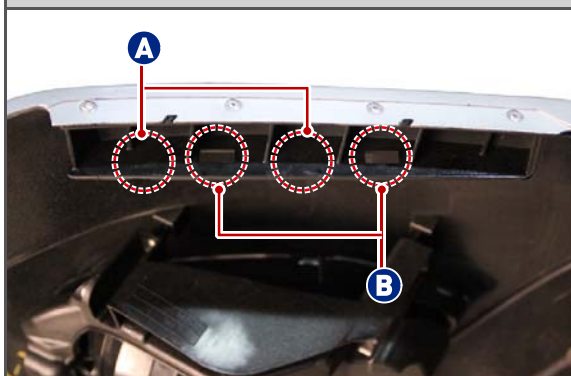
Rear view of front bumper



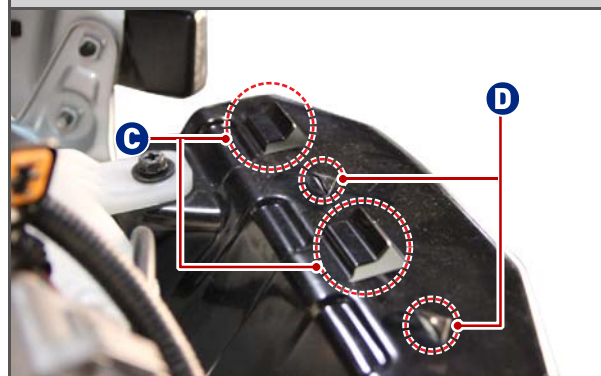
CAUTION

The mounting clips (A and C, B and D) should be aligned.

Mounting clips on front bumper



Mounting clips on front panel bracket



Modification basis	
Application basis	
Allocated VIN	

BODY EXTERIOR

ACTYON 2012.12

S.G.N.

7880-01

REAR BUMPER ASSEMBLY

Preceding work

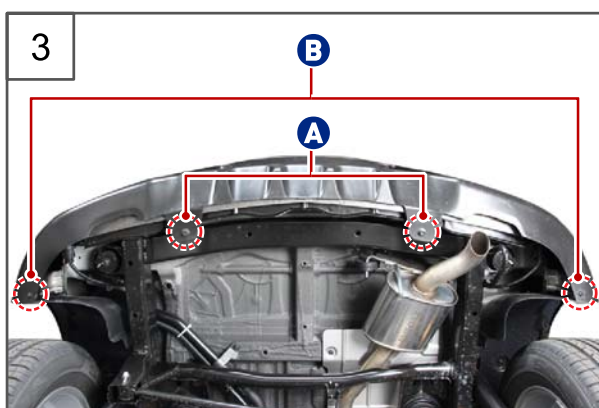
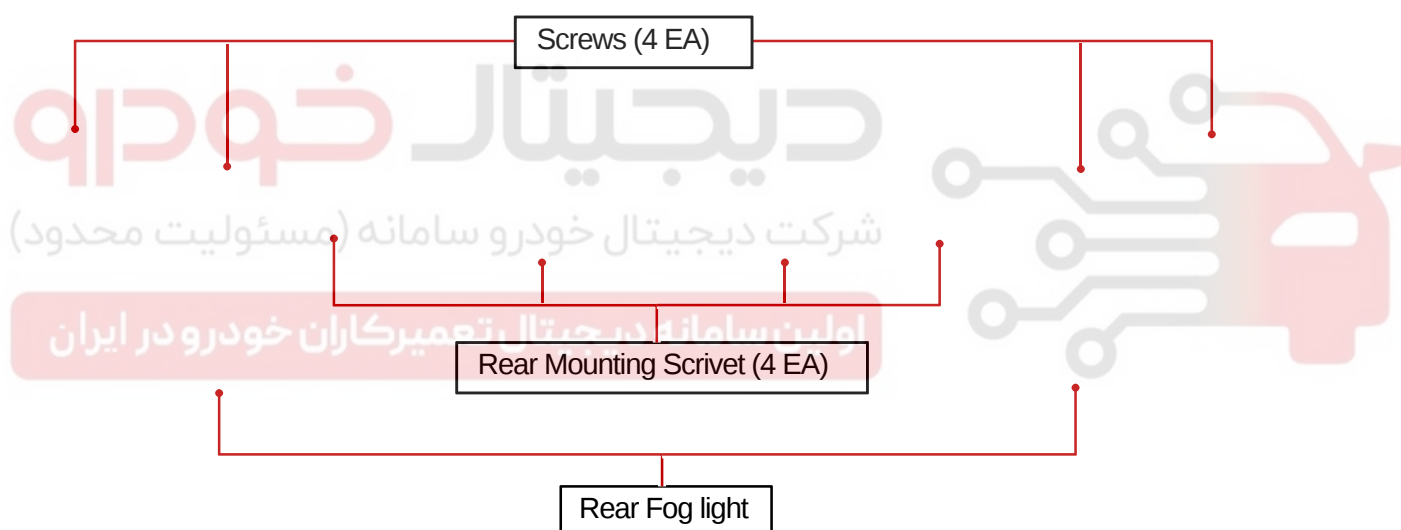
- Disconnect the negative battery cable and remove the combination lamp assembly at both sides.



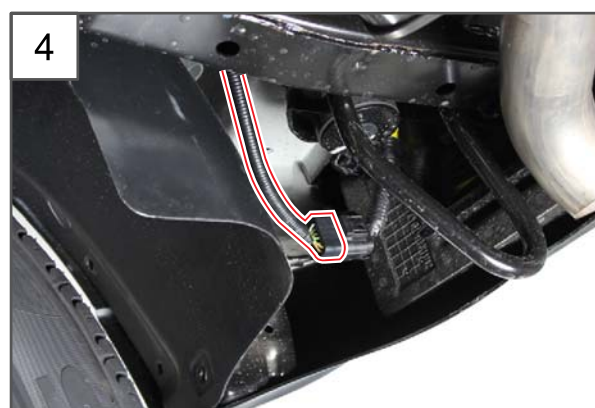
1. Remove the rear tail lamp assembly.



2. Unscrew four rear mounting screw rivets.

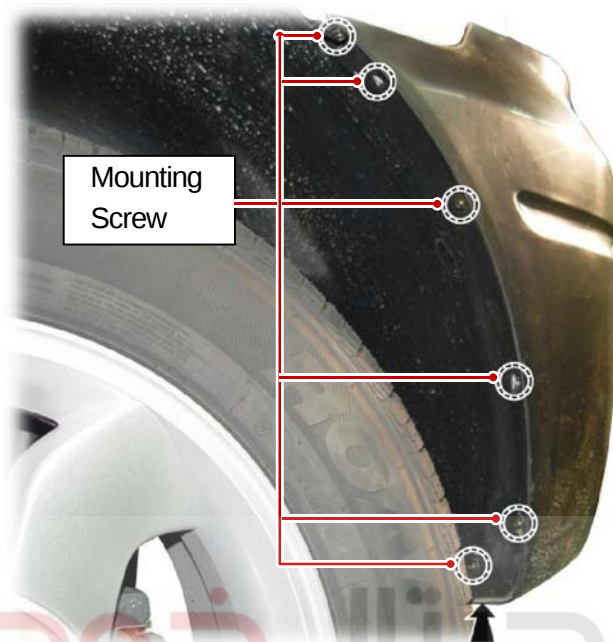


3. Unscrew two bolts (A, 12 mm) and two screws (B) from the rear bumper fascia.

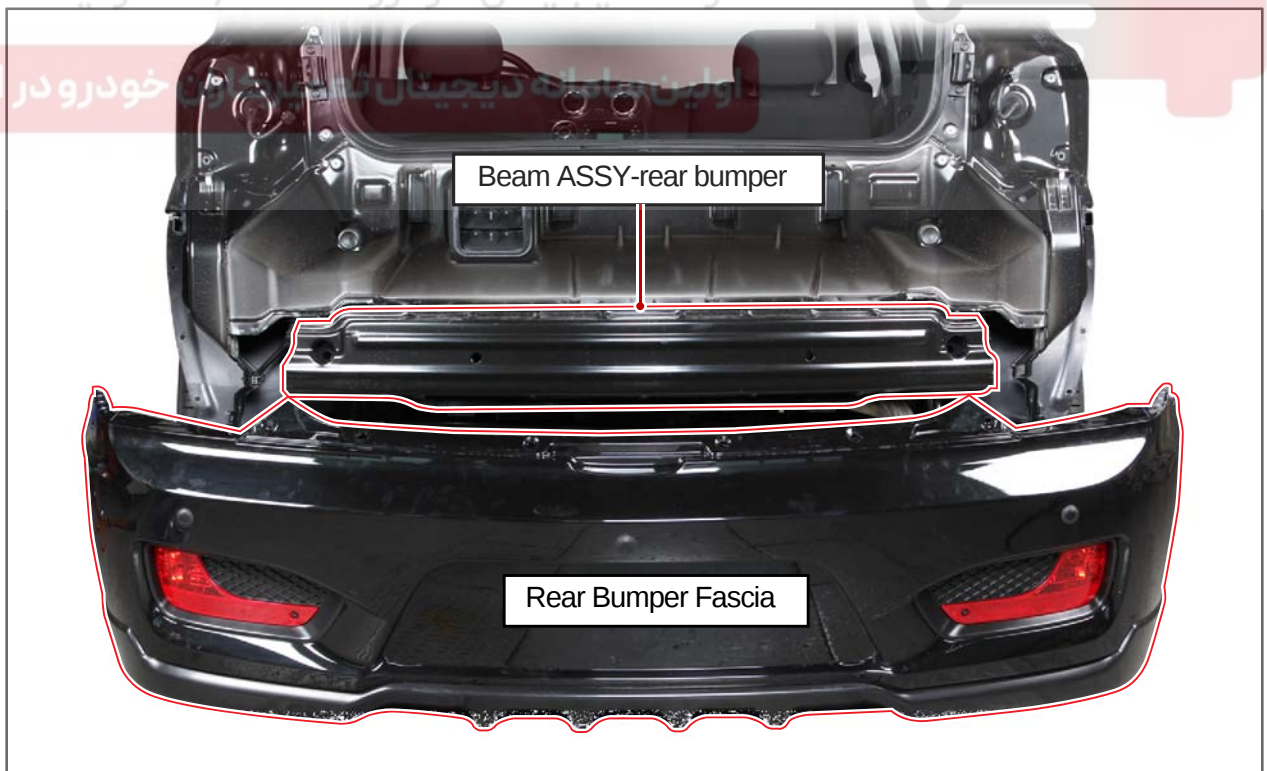


4. Disconnect the electric connector from the rear bumper assembly.

5. Unscrew seven mounting screws from the rear wheelhouse.



6. Remove the rear bumper fascia assembly.



Modification basis	
Application basis	
Allocated VIN	

Rear view rear front bumper



Rear view rear front bumper



BODY EXTERIOR

ACTYON 2012.12

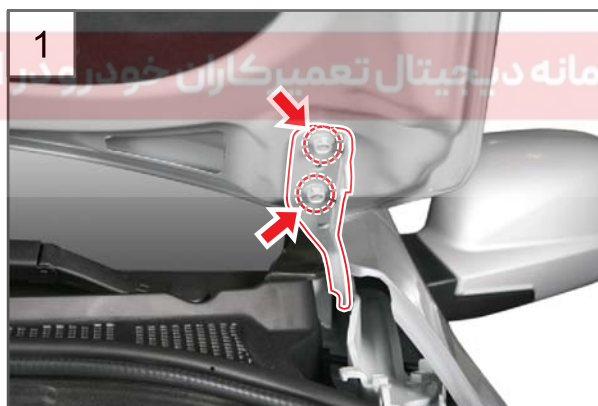
Modification basis	
Application basis	
Affected VIN	021 62 99 92 92

S.G.N.

6110-01 HOOD PANEL ASSEMBLY

Preceding work

- Cover the vehicle body and place the chocks under the tires.



1. Release two hinge bolts (12 mm) at both sides.

CAUTION

Place the align mark before removal.



2. Remove the hood panel assembly.

Modification basis	
Application basis	
Allocated VIN	

BODY EXTERIOR

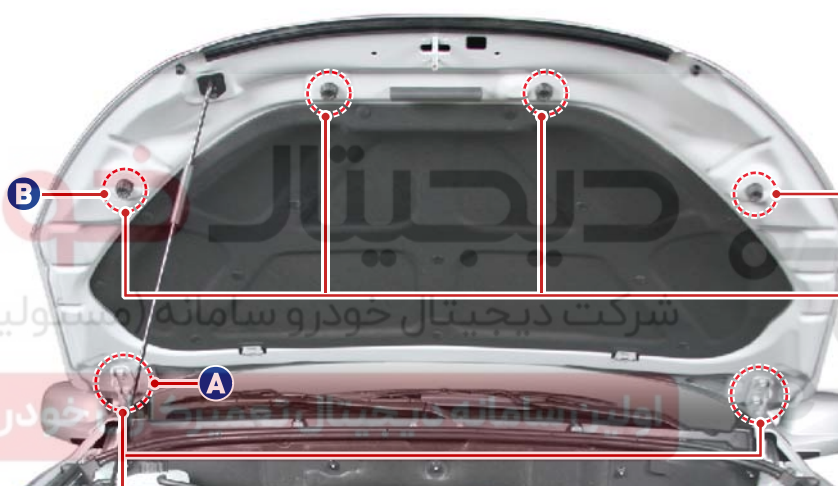
ACTYON 2012.12

3

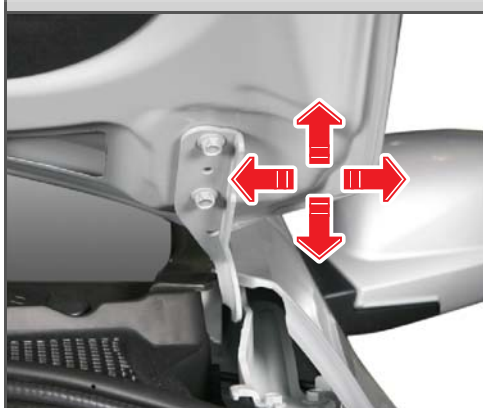


3. Install the hood panel in the reverse order of removal.

Adjustment



A. Hood hinge



Forward/Rearward, Left/Right
Release the hinge bolts and adjust the clearance by moving the hood.

B. Overslam



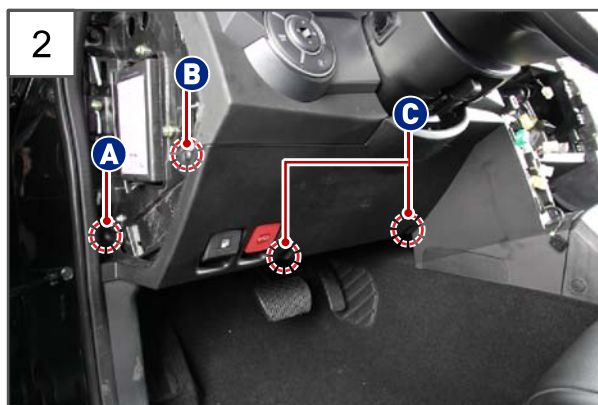
Height
Adjust the front height of hood by adjusting the overslam bumper.

S.G.N.

6110-06 HOOD LATCH ASSEMBLY



1. Remove the crash pad side cover assembly at driver side.

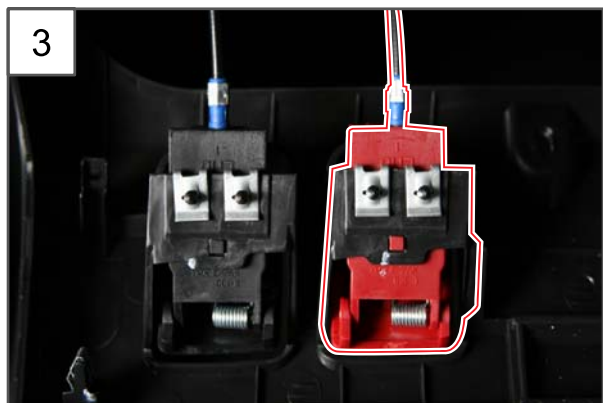


2. Unscrew one nut (A, 10 mm), one screw (B), two bolts (C, 10 mm) and remove the lower main panel assembly.

Modification basis	
Application basis	
Allocated VIN	

BODY EXTERIOR

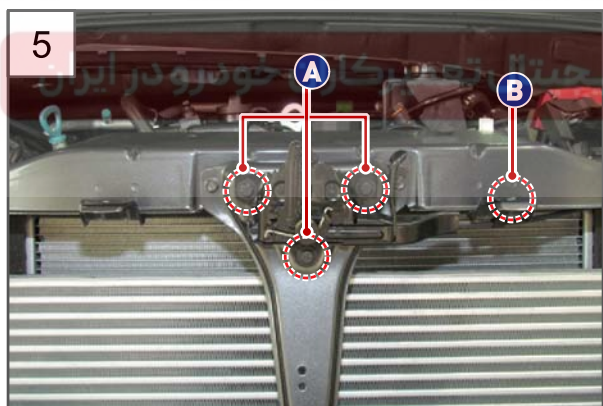
ACTYON 2012.12



3. Separate the hood latch release cable.



4. Open the hood, remove ten screw rivets, and remove the front end upper cover.



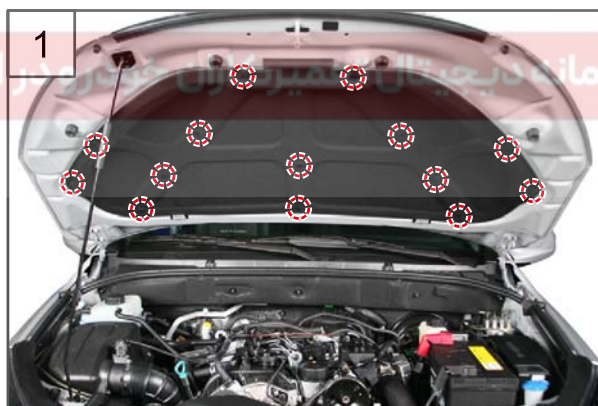
5. Unscrew three bolts (A, 10 mm), separate the hood cable (B) from the front end panel, and remove the hood latch assembly.



6. Install the hood latch assembly in the reverse order of removal.

S.G.N.

6110-04 HOOD INSULATOR



1. Remove fourteen fasteners with a remover and remove the hood insulator.



2. Install the hood insulator in the reverse order of removal.

Modification basis	
Application basis	
Allocated VIN	

BODY EXTERIOR

ACTYON 2012.12

S.G.N.

7930-01 SIDE SILL MOLDING

All side moldings can be removed/installed with a similar procedure.

1. Unscrew two mounting screws from the front/rear wheelhouse.



2. Unscrew the lower mounting screws from the side sill molding.

Front side sill molding	5 mounting screws
Rear side sill molding	3 mounting screws

3. Carefully remove the side molding seal.

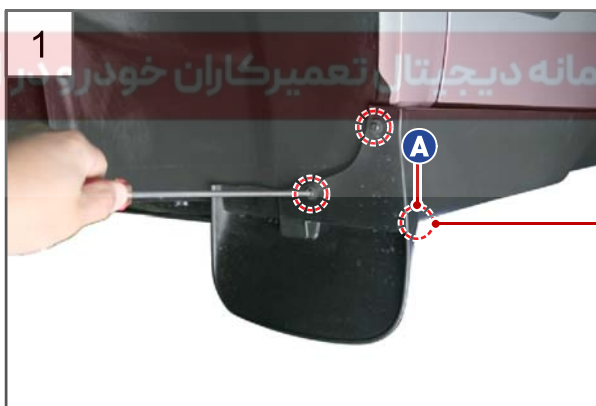


S.G.N.

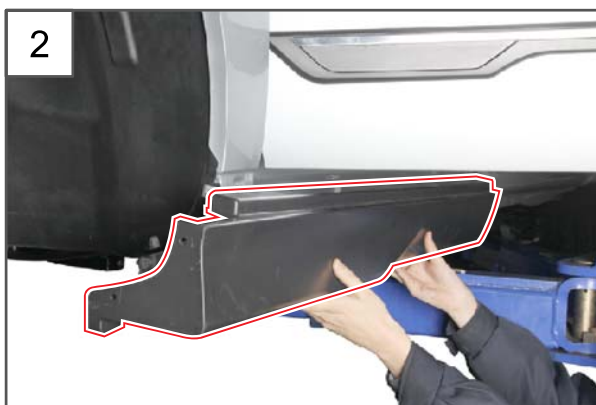
7870-01 FENDER PANEL

Preceding work

- Disconnect the negative cable from the battery.
- Remove the front bumper.
- Remove the headlamps.



1. Unscrew one bolt (A, 10 mm) and two screws and remove the front mud guard.



2. Remove the front sill side garnish.

**NOTE**

Refer to Chapter "Body Interior".

Modification basis	
Application basis	
Allocated VIN	

BODY EXTERIOR

ACTYON 2012.12



3. Unscrew seven screw rivets and remove the wheel house cover.



4. Remove the cowl grille extension.



5. Remove the quadrant cover assembly.

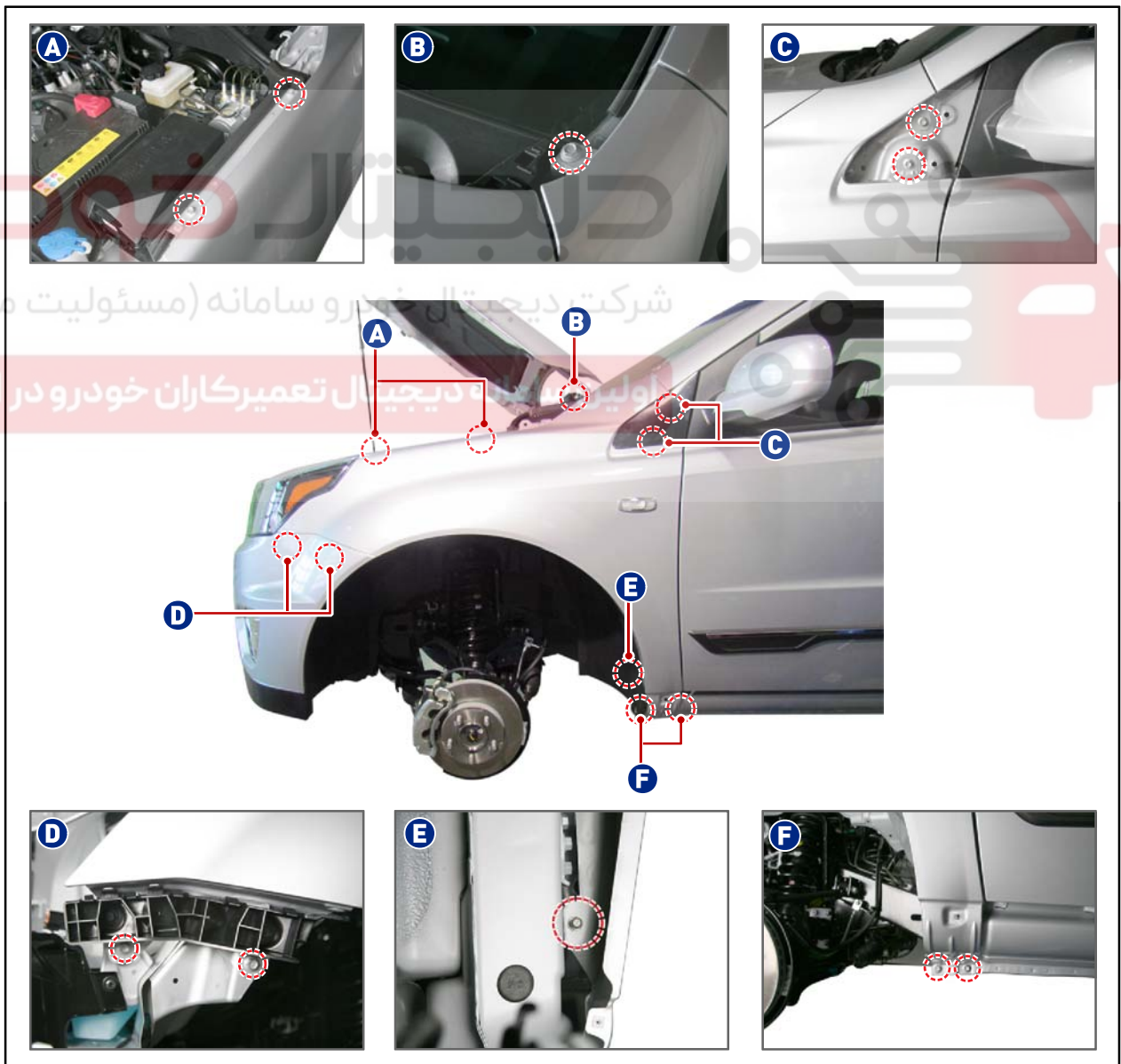


6. Unscrew two bolts (10 mm) from the side front bumper brackets.



7. Disengage the side repeater connector.

8. Unscrew ten bolts (10 mm) from the fender panel.



Modification basis	
Application basis	
Allocated VIN	

BODY EXTERIOR

ACTYON 2012.12



9. Remove the fender sill.



10. Remove the fender panel.



11. Install the fender panel in the reverse order of removal.

S.G.N.

7115-01

FRONT DOOR TRIM(DRIVER SIDE)

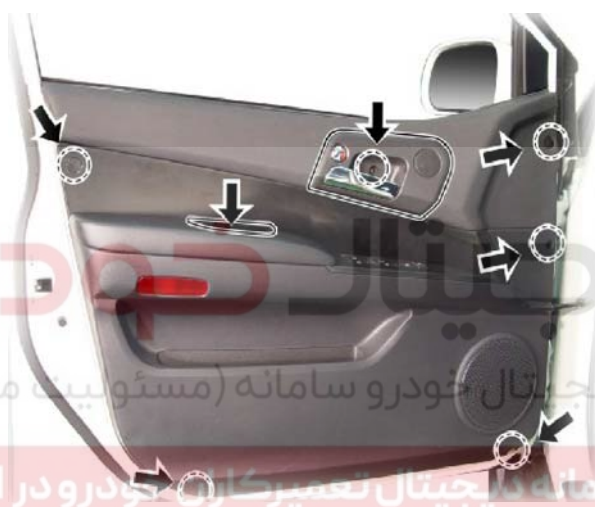
Preceding work

Disconnect the negative battery cable.

- Removal of fastener cover



1. Unscrew seven mounting screws from the door trim and separate the fasteners starting from bottom of the door trim to remove it.



Location of Fasteners



Modification basis	
Application basis	
Allocated VIN	

BODY EXTERIOR

ACTYON 2012.12

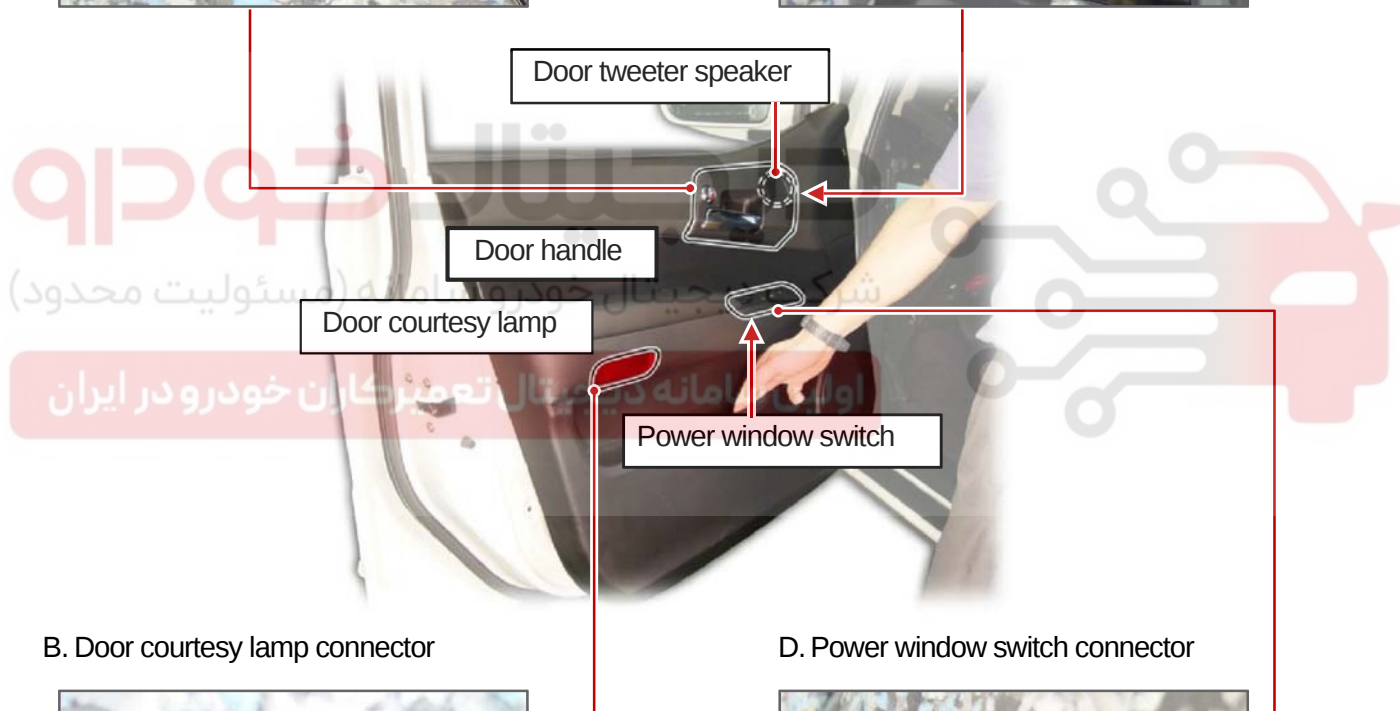
2. Remove the door handle cable (A), door courtesy lamp connector (B), door tweeter speaker connector (C) and power window switch connector (D) from the removed door trim.

A. Door handle connector

: Remove the cables from 1 to 4 as in order shown in figure below.



C. Door tweeter speaker connector.



B. Door courtesy lamp connector



D. Power window switch connector



S.G.N

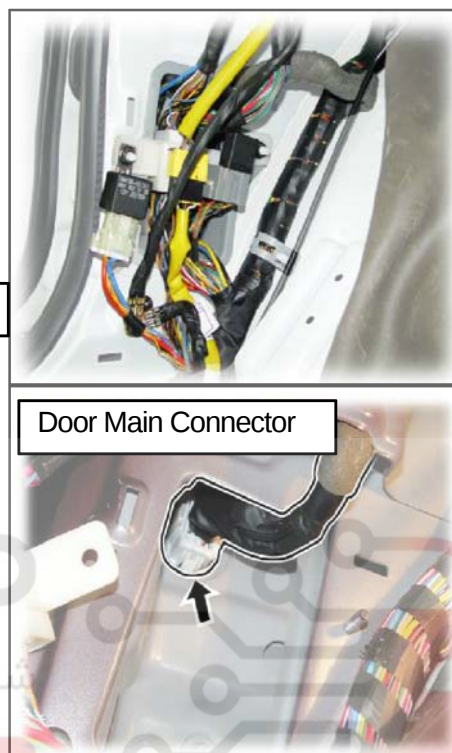
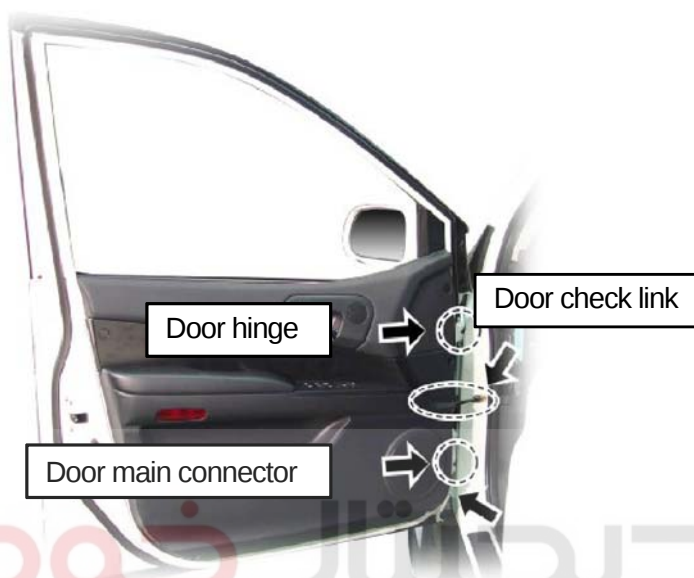
6210-01

FRONT DOOR(DRIVER SIDE)

Preceding work

Disconnect the negative battery cable.

1. Remove the main wiring harness cover and disconnect the door main connector.



2. Unscrew the mounting bolt from the door check link (vehicle side).



3. Unscrew the upper and lower hinge bolts and remove the door assembly.



Modification basis	
Application basis	
Allocated VIN	

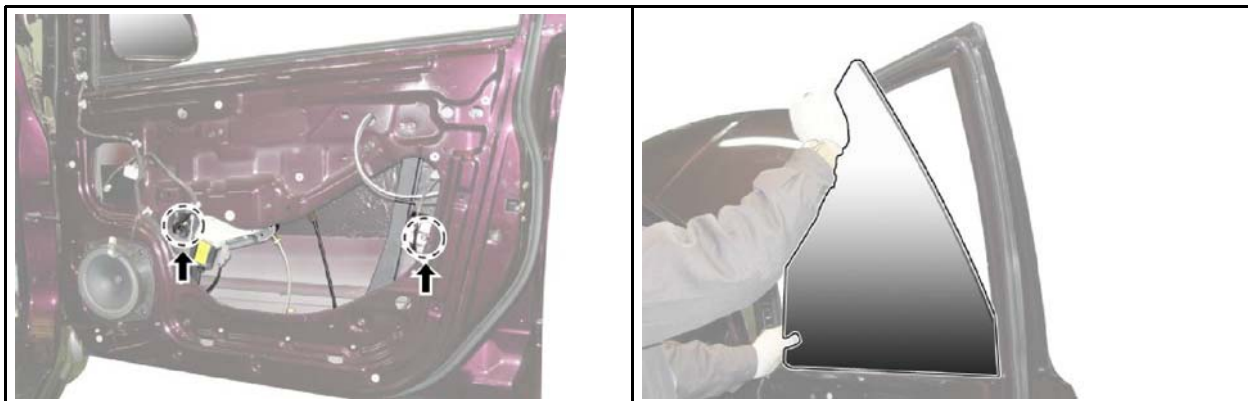
BODY EXTERIOR

ACTYON 2012.12

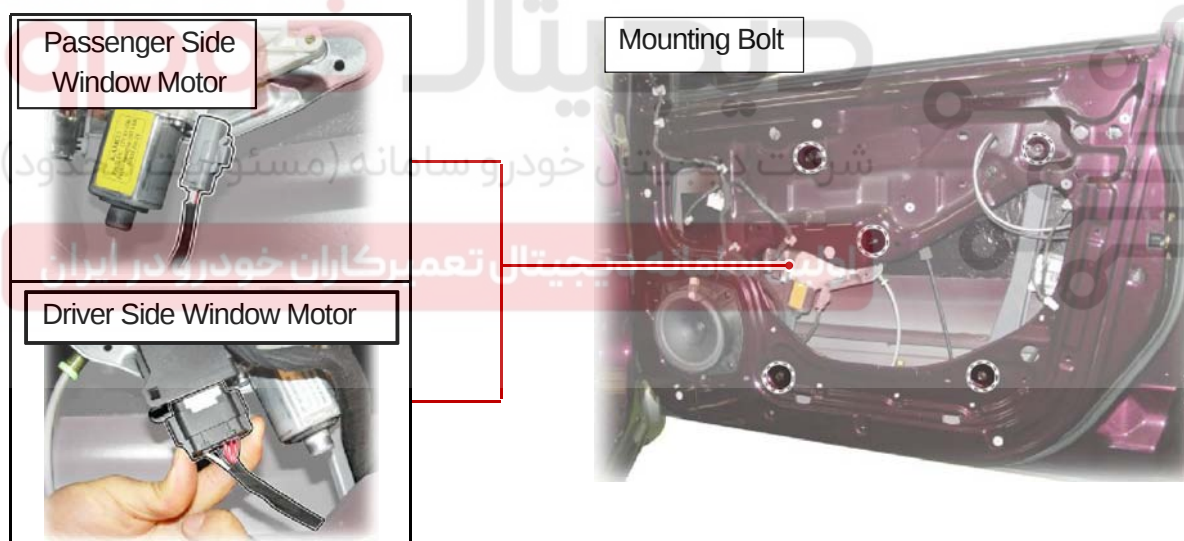
S.G.N.

7120-01 WINDOW REGULATOR(PASSENGER SIDE)**Preceding work** Disconnect the negative battery cable.

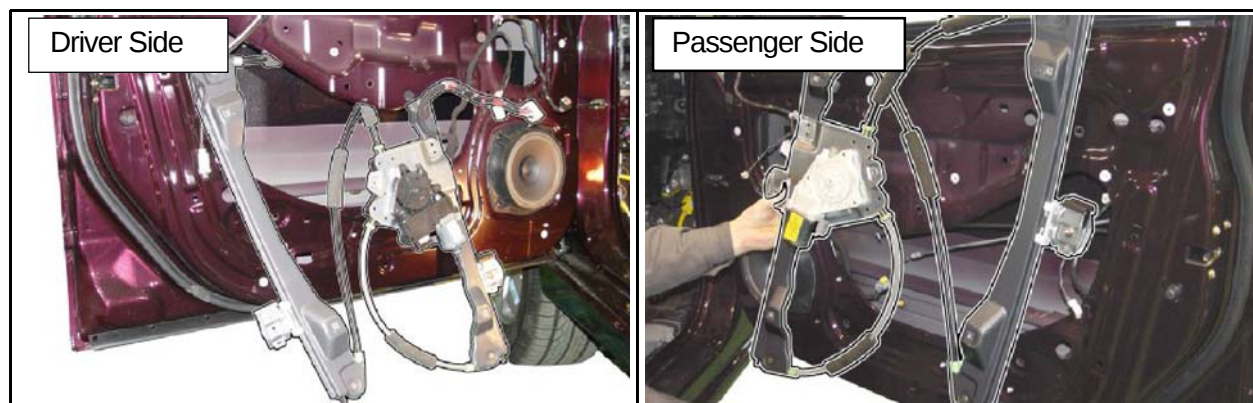
1. Lower the window until the window mounting bracket can be seen. Unscrew the nuts from the window mounting bracket and remove the window.



2. Disconnect the window motor connector and unscrew the mounting bolts from the window regulator.



3. Remove the window regulator from the door.



S.G.N.

7215-01 REAR DOOR TRIM

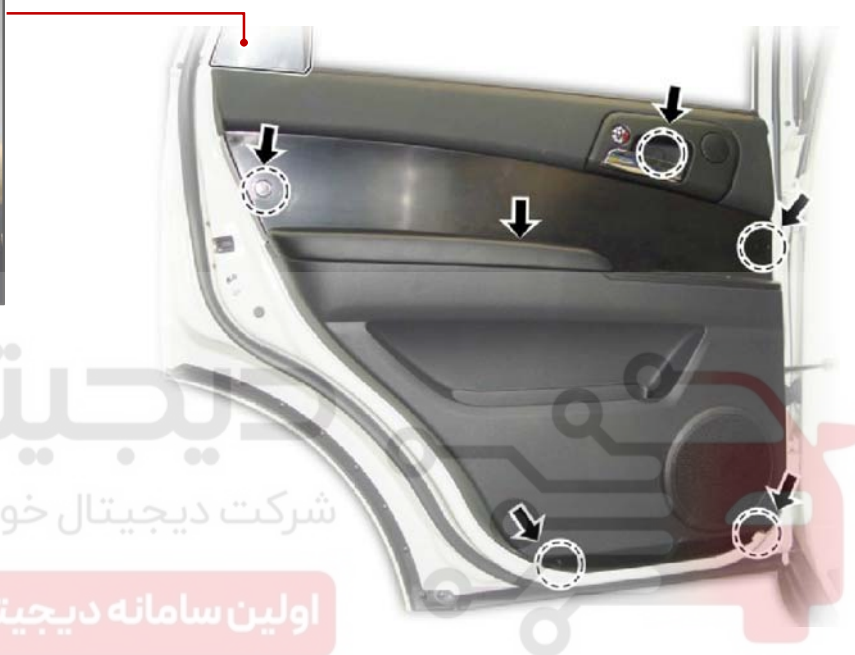
Preceding work

Disconnect the negative battery cable.

1. Remove the inside panel from the rear door.



2. Unscrew six mounting screws from the door trim.



دیجیتال خودرو
شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



3. Separate the bottom of door trim and pull it up to remove it.

Modification basis	
Application basis	
Allocated VIN	

BODY EXTERIOR

ACTYON 2012.12

Location of Fasteners

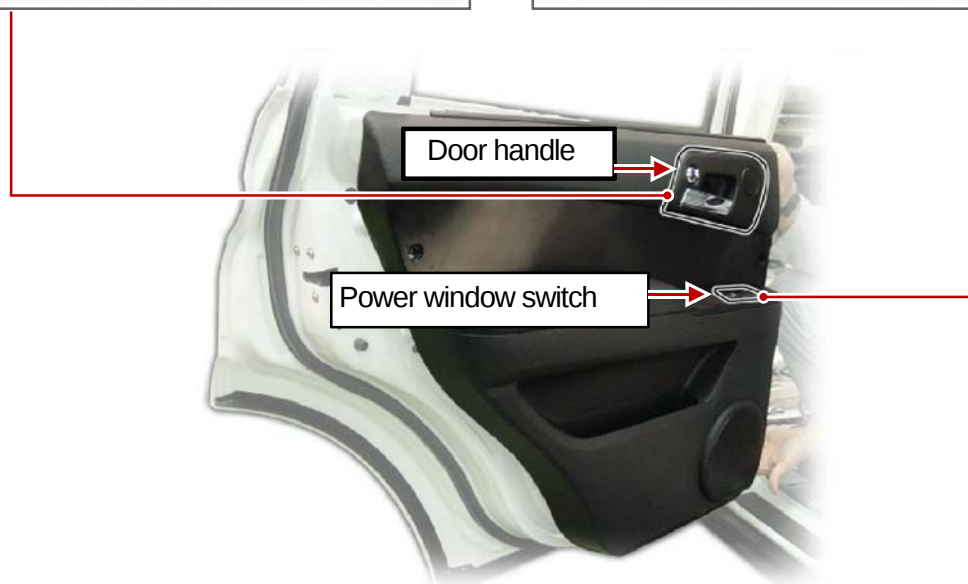


4. Remove the door handle cable (A) and the power window switch (B) to remove the door trim.

A. Door Handle Cable



B. Power Window Switch Connector



S.G.N.

6310-01 REAR DOOR ASSEMBLY

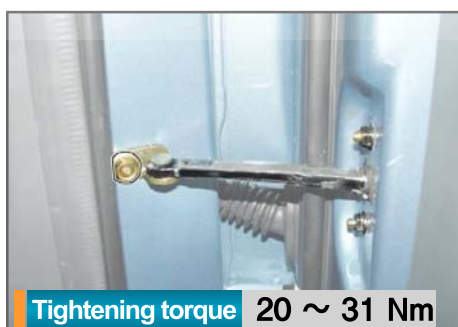
Preceding work

Disconnect the negative battery cable.

1. Remove the lower B pillar and the front seat belt and disconnect the rear door main connector.



2. Unscrew the mounting bolts from the door check link (vehicle side).



3. Unscrew the upper and lower hinge bolts and remove the door assembly.



Modification basis	
Application basis	
Allocated VIN	

S.G.N.

6310-01

REAR DOOR MOLDING AND PANEL

Preceding work

Remove the inside panel (upper) from the rear door.



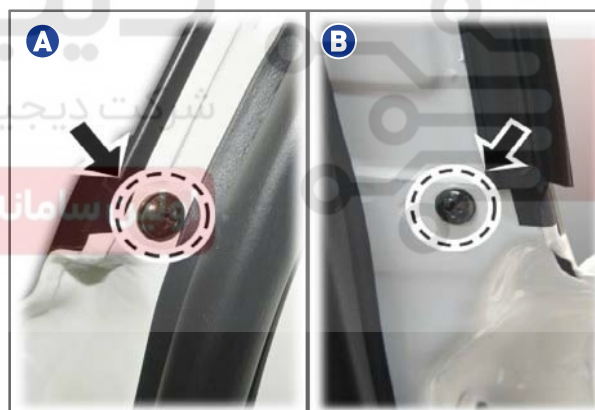
1. Door Outer Panel

(1) Unscrew four mounting screws with the inside panel removed.

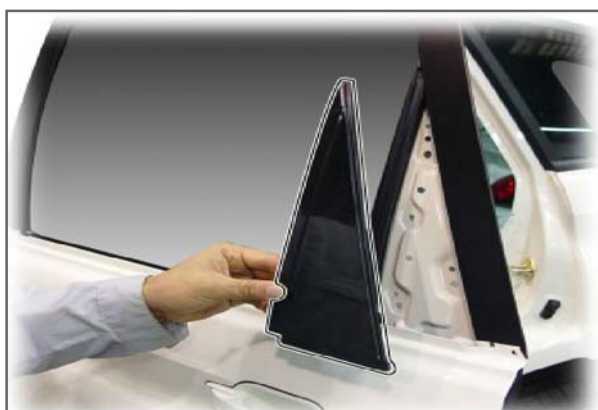


2. Door Outer Window Molding

(2) Unscrew two mounting screws from the inner window molding.



(2) Remove the outer panel from the door.



(2) Carefully remove the molding.



S.G.N.

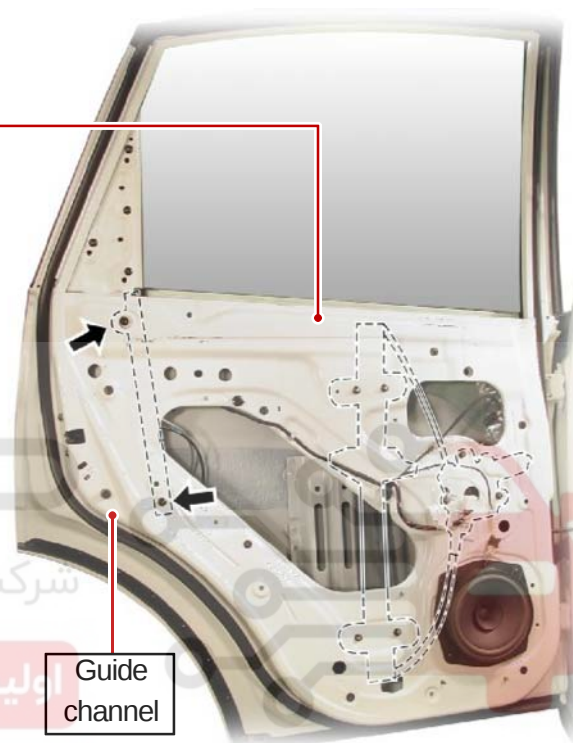
7220-01

REAR WINDOW REGULATOR

Preceding work

1. Disconnect the negative battery cable.
2. Remove the rear door trim assembly.

1. Lower the window until the window mounting bracket can be seen. Unscrew the nut on the window mounting bracket to remove the window glass.

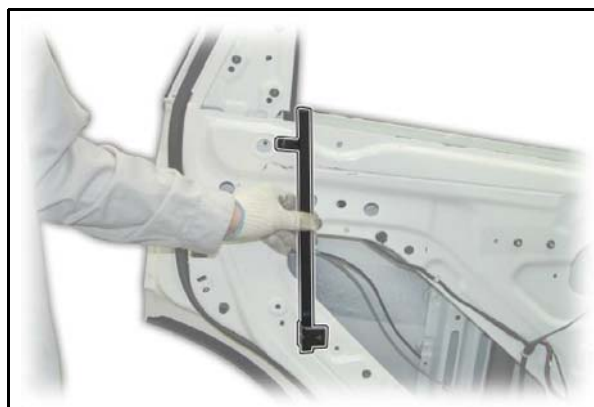


Guide channel

2. Lower the window and unscrew two mounting nuts from the guide channel.



3. Remove the guide channel from the door.

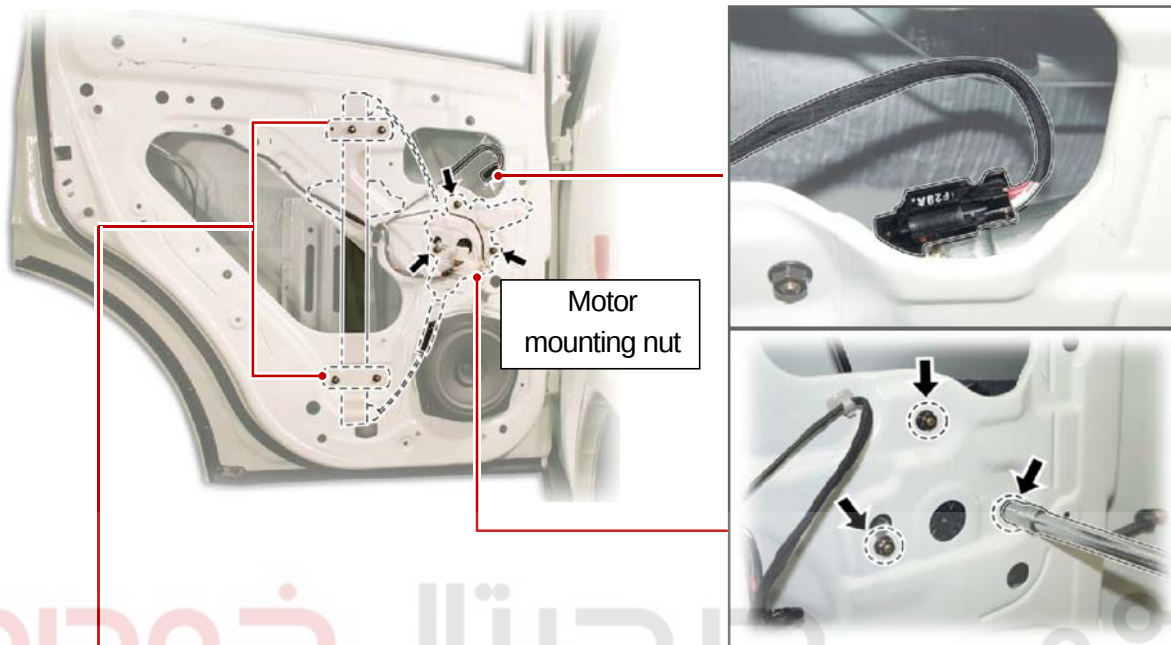


Modification basis	
Application basis	
Allocated VIN	

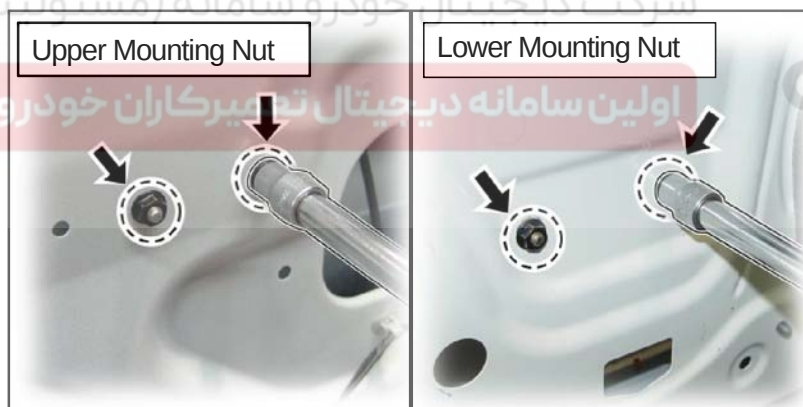
BODY EXTERIOR

ACTYON 2012.12

4. Remove the window motor connector and three mounting nuts.



5. Unscrew the mounting nuts from the window regulator (upper: 2 EA, lower: 2 EA).



6. Remove the window regulator from the door.

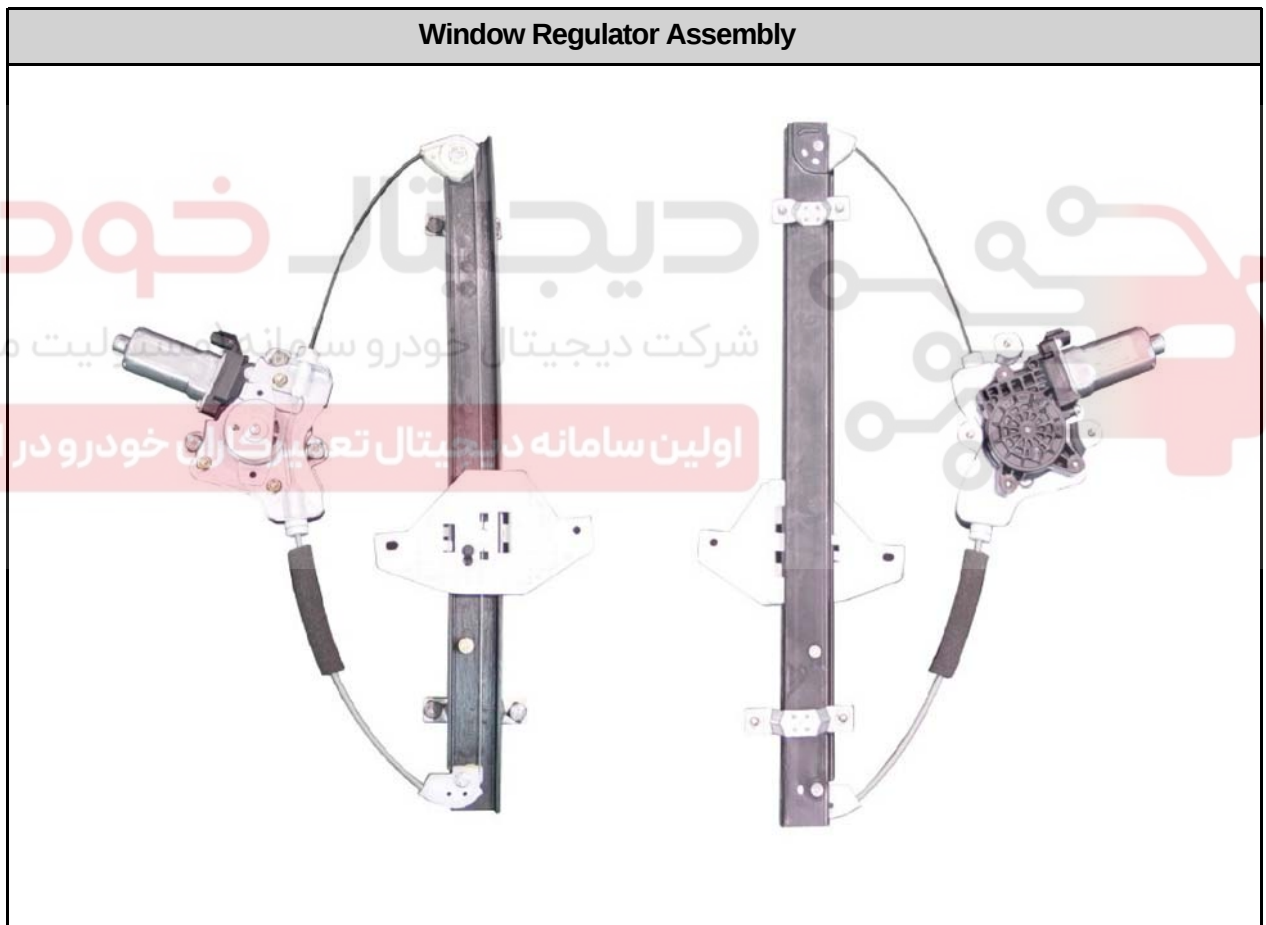
Removal of Window Regulator



Installation Location of Window Regulator



Window Regulator Assembly



Modification basis	
Application basis	
Allocated VIN	

BODY EXTERIOR

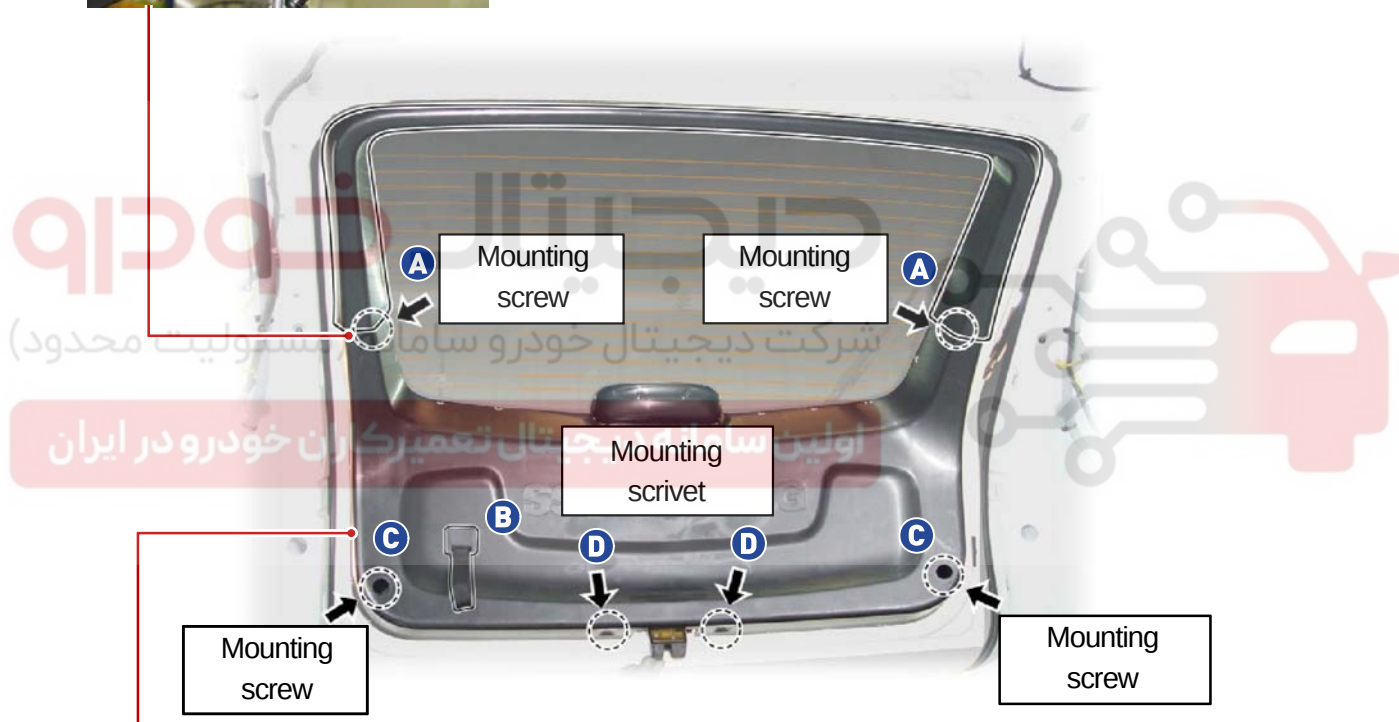
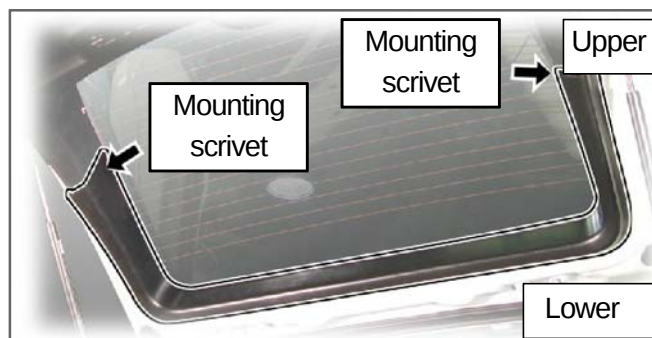
ACTYON 2012.12

S.G.N.

7321-01 TAILGATE TRIM**Preceding work**

Disconnect the negative battery cable.

1. Unscrew the scrivets and the upper trim screws and remove the upper trim from the tailgate.



2. Remove the lower trim from the tailgate (at A, C and D).

A: Upper Mounting Screw of
Lower Trim

B: Lower Mounting Screw
of Lower Trim

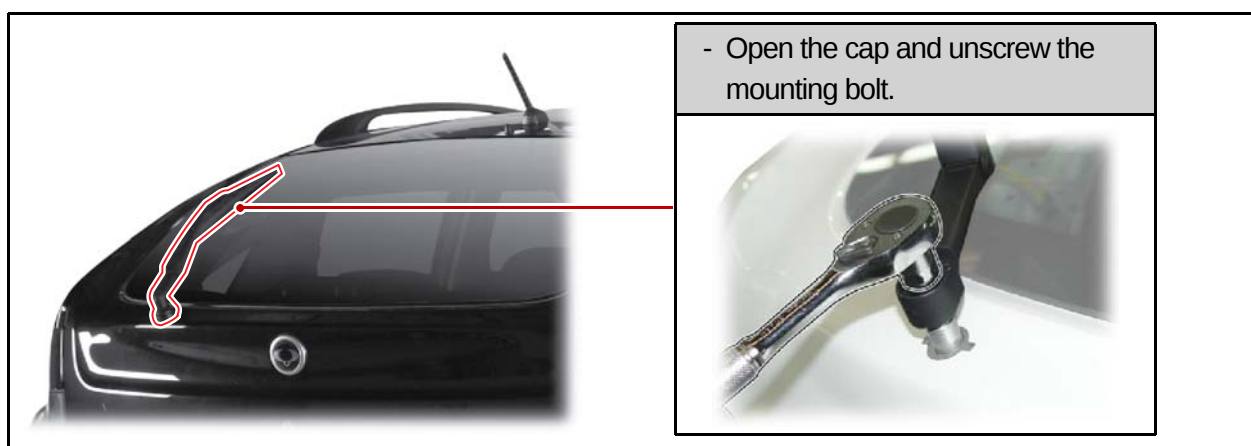
C: Lower mounting screws of
tailgate.



3. Remove the tailgate trim while separating the fasteners starting from bottom. Then, remove the vinyl cover.



4. Close the tailgate and remove the wiper blade assembly.



Modification basis	
Application basis	
Allocated VIN	

S.G.N.

6410-01 TAILGATE ASSEMBLY**Preceding work**

1. Disconnect the negative battery cable.
2. Remove the tailgate trim assembly.

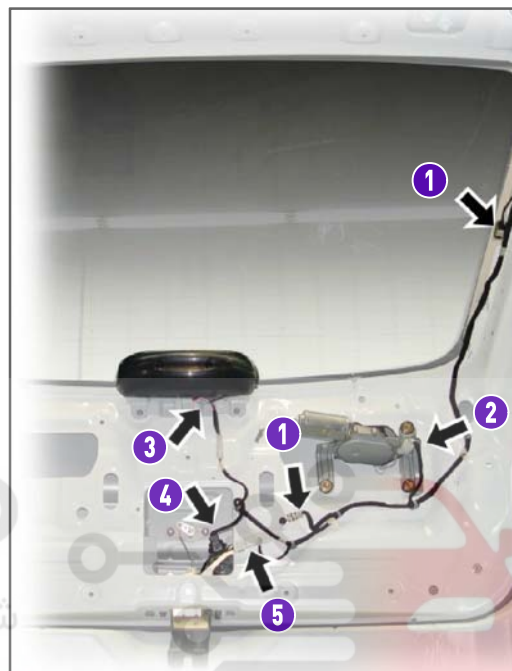
**CAUTION**

Pay particular attention to avoid vehicle damage and personal injury.

1. Remove the mounting clips at both sides and remove the gas lifter.

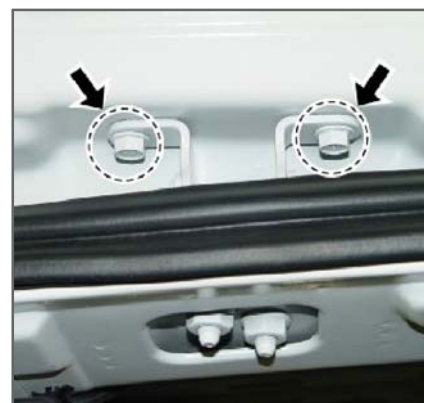


2. Disconnect the de-icer cable connector (1), wiper motor connector (2), high-mounted stop lamp connector (3), door actuator connector (4), door switch (5) and ground. Then, remove the harness assembly.



3. Unscrew two hinge bolts and remove the tailgate assembly.

Tightening torque 15 ~ 26 Nm



Modification basis	
Application basis	
Affected VIN	

BODY EXTERIOR

ACTYON 2012.12

S.G.N.

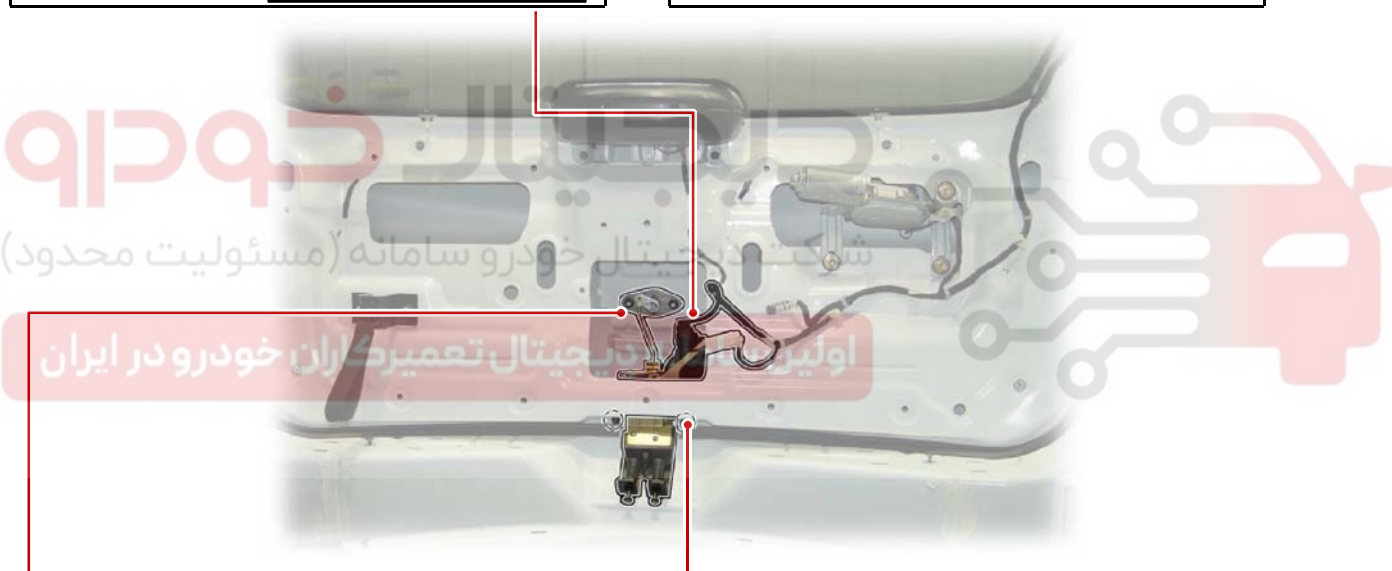
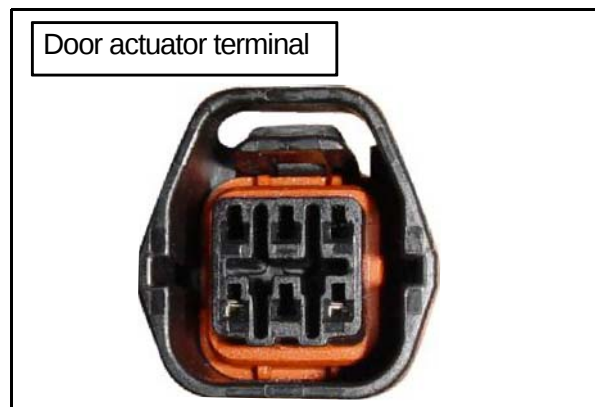
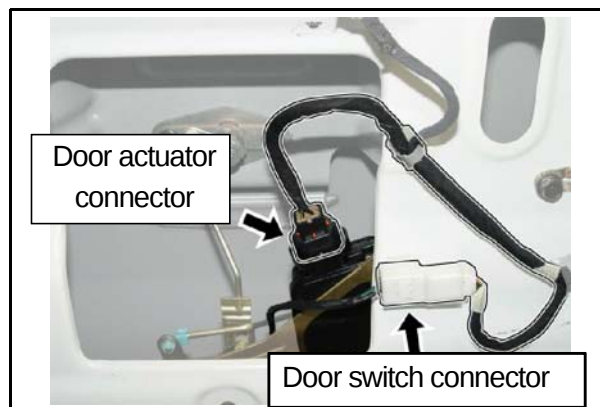
7310-01

TAILGATE LATCH AND ACTUATOR

Preceding work

1. Disconnect the negative battery cable.
2. Remove the trim assembly.

1. Disconnect the door actuator connector and the door switch connector.



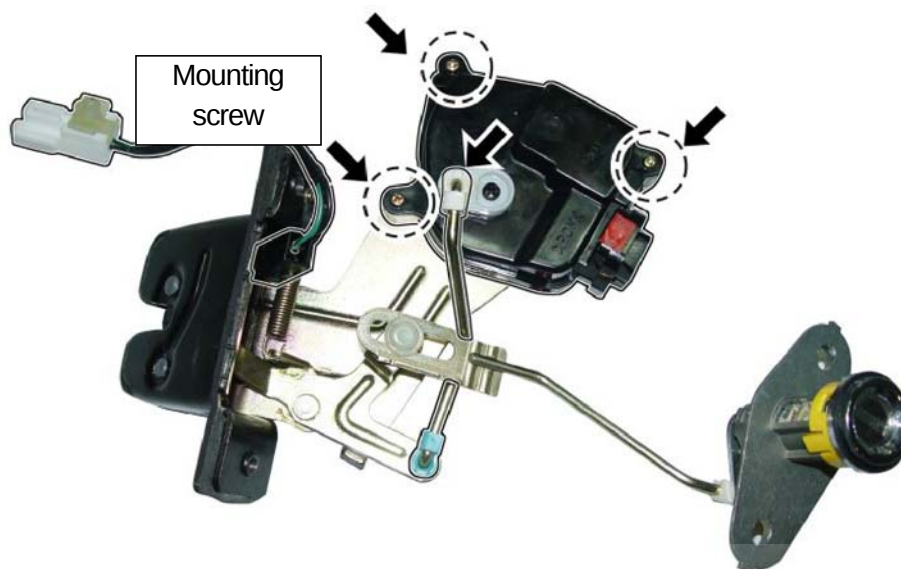
2. Separate the connecting rod from the key cylinder.



3. Unscrew three mounting bolts and remove the latch assembly.



4. Separate the connecting rod (A) and three mounting screws from the removed latch assembly to remove the door actuator.



Door switch



Door actuator



Modification basis	
Application basis	
Allocated VIN	

BODY EXTERIOR

ACTYON 2012.12

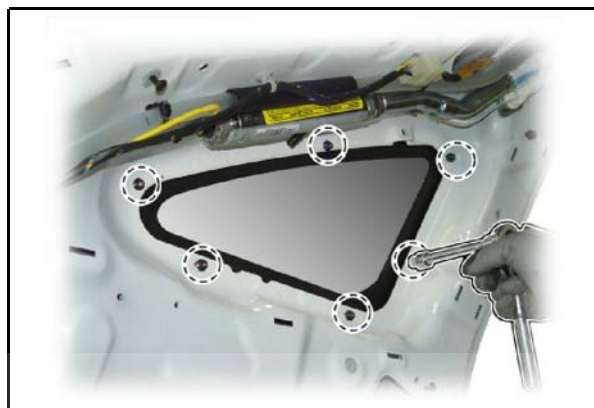
S.G.N.

7840-01 REAR QUARTER GLASS**1) Removal****Preceding work**

Remove the rear quarter trim.



1. Unscrew six mounting nuts from the rear quarter glass.



2. Remove the rear quarter glass while pushing it inside of the vehicle.

3. Remove the quarter glass and remove the butyl seal on the glass and frame using a knife or a special tool.

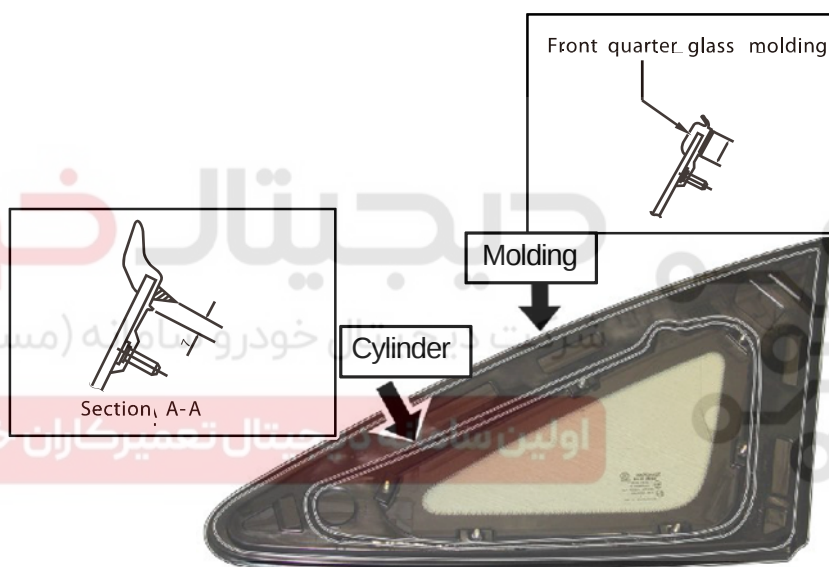


2) Installation

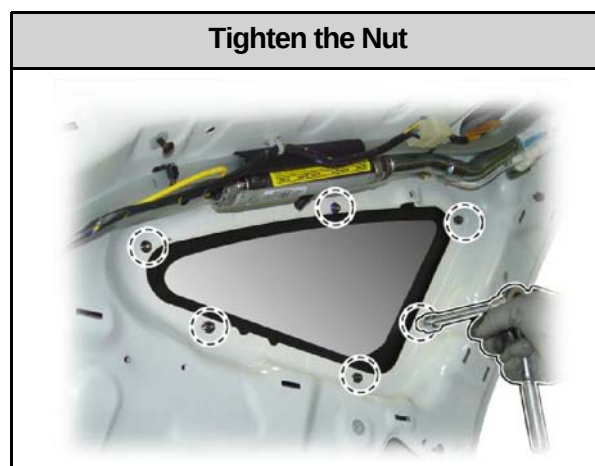


1. Wipe out any foreign material on the body frame.

2. Apply the butyl seal to the new quarter glass at regular interval.



3. Install the rear quarter glass to the body frame and tighten the mounting bolts to the specified torque.
(Tightening torque: 6.5 Nm)



Modification basis	
Application basis	
Allocated VIN	

BODY EXTERIOR

ACTYON 2012.12

Memo

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

