
EXTERIOR

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52.1 Warning and Precaution

1 Warning

Be sure to wear safety equipment to prevent accidents before repairing, to avoid property damage, personal injury or even death.

2 Precaution

It should be avoid dangerous operation and damage to the vehicle when performing the repair in this section.

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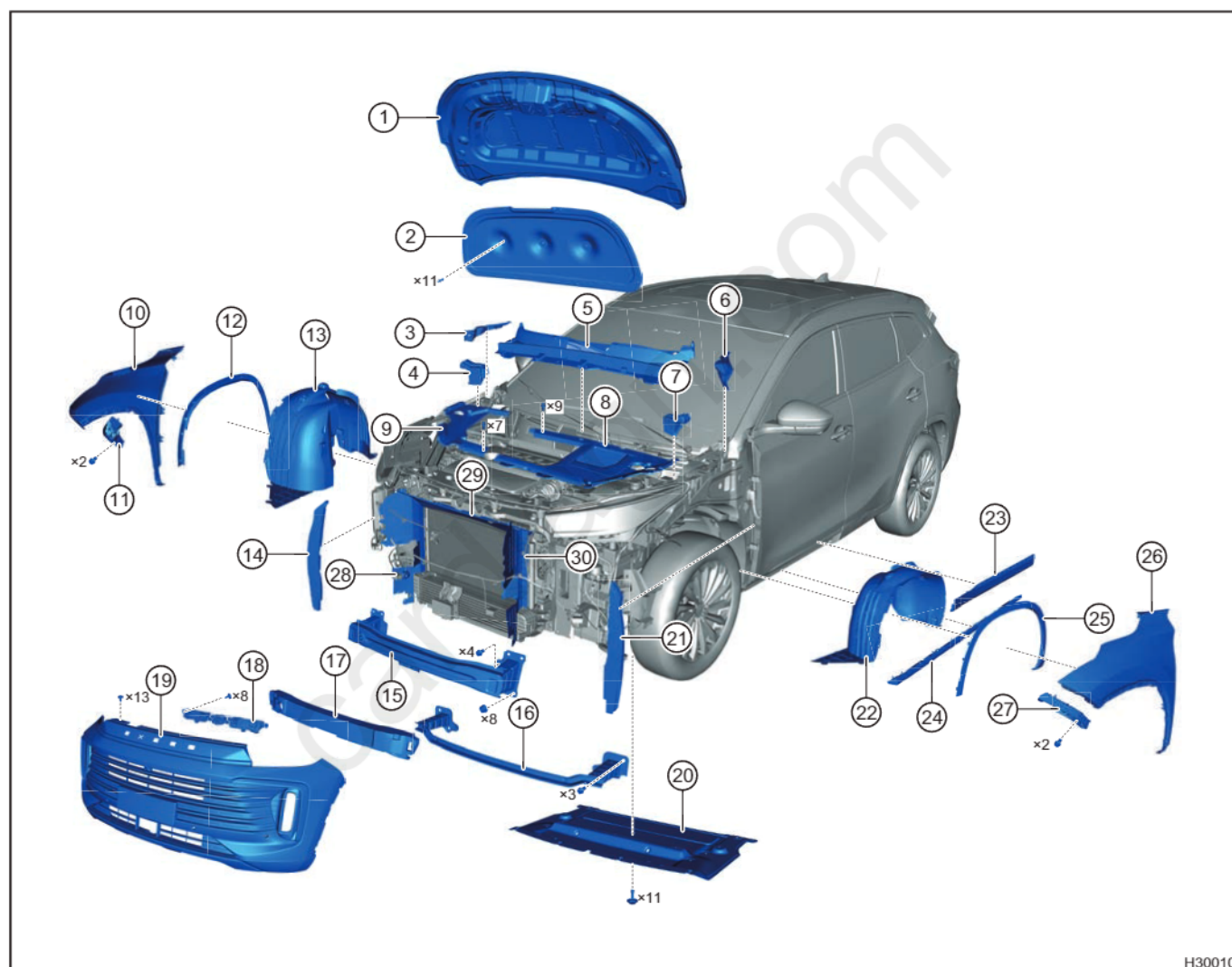
52.2 System Overview

1 System Description

Bumper assembly and bumper crossmember assembly are safety device to protect the front and rear body, which mainly absorb and reduce outside shock.

Exterior mainly consists of front bumper assembly, front bumper mounting bracket, front bumper crossmember assembly, radiator grille, front wheel house protector, front wheel arch, wing assembly, side skirt protector assembly, door trim panel assembly, engine hood lower protector, rear bumper assembly, rear bumper mounting bracket, rear bumper bracket, rear bumper crossmember assembly, rear wheel house protector, front windshield lower trim board assembly, D-pillar protector assembly, roof rack assembly, spoiler, etc.

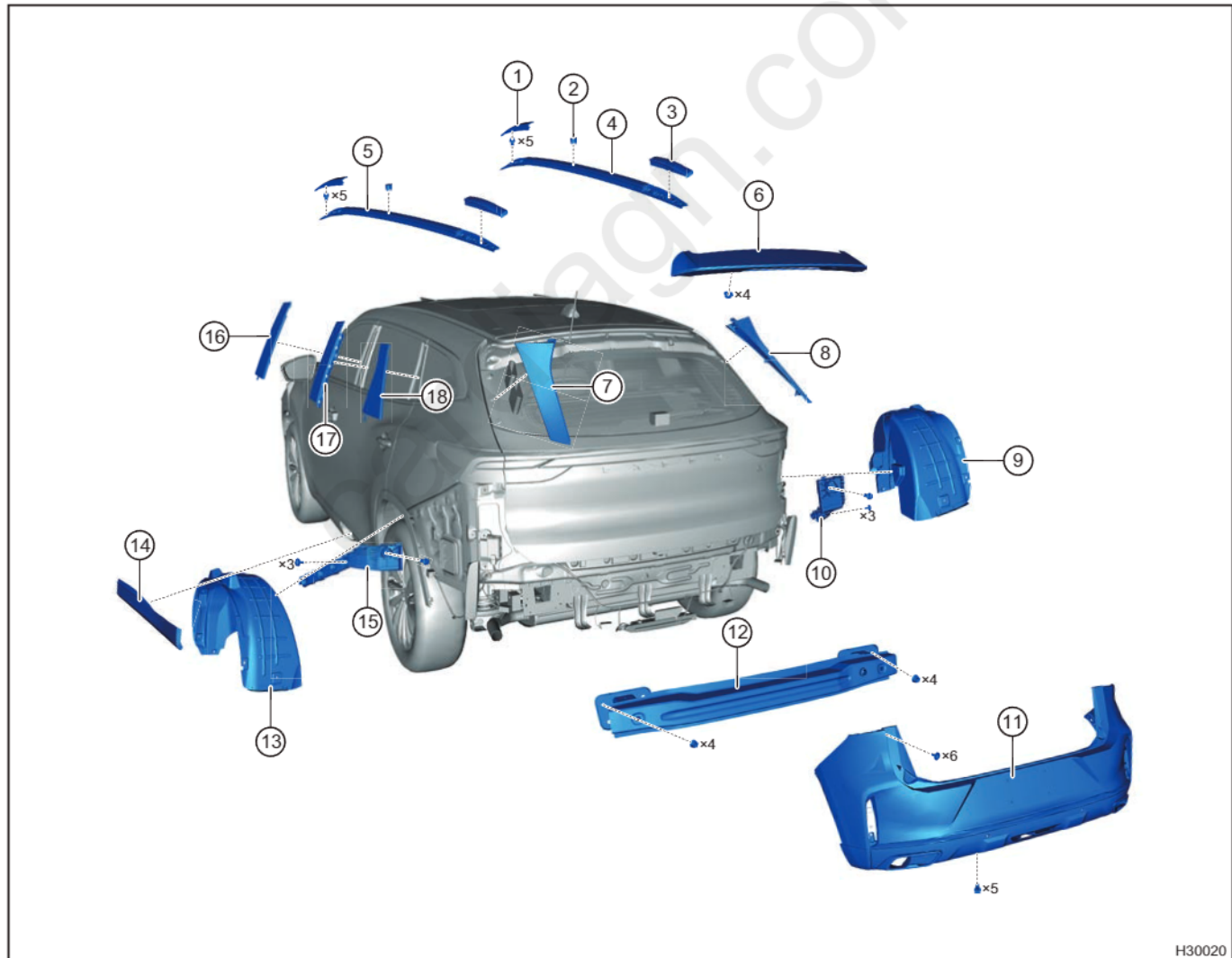
2 System Components Diagram



H30010

1	Engine Hood Assembly	16	Lower Support Beam
2	Engine Hood Sound Insulator Pad	17	Front Upper Energy Absorbing Block
3	Front Right Windshield Lower Trim Panel Cover Plate	18	Logo Light Assembly
4	Engine Hood Right Sound Insulator Foam	19	Front Bumper Assembly
5	Front Windshield Lower Finish Panel Body	20	Engine Lower Protector Assembly

6	Front Left Windshield Lower Trim Panel Cover Plate	21	Left Wing Spacer
7	Engine Hood Left Sound Insulator Foam	22	Front Left Wheel House Protector
8	Front Left Compartment Trim Cover Assembly	23	Front Left Door Scuff Plate Body
9	Front Right Compartment Trim Cover Assembly	24	Left Skirt Protector Assembly
10	Right Wing	25	Front Left Wheel Arch Body
11	Front Bumper Right Bracket	26	Left Wing
12	Front Right Wheel Arch Body	27	Front Bumper Left Bracket
13	Front Right Wheel House Protector	28	Right Air Deflector Assembly
14	Right Wing Spacer	29	Upper Air Deflector Assembly
15	Front Upper Impact Crossmember Assembly	30	Left Air Deflector Assembly



1	Front Right Rack End Cover	10	Rear Bumper Right Mounting Bracket
2	Right Rack Center Trim Cover	11	Rear Bumper Assembly
3	Rear Right Rack End Cover	12	Rear Impact Beam Assembly
4	Right Rack Assembly	13	Rear Left Wheel House Protector Assembly
5	Left Roof Rack Assembly	14	Rear Left Scuff Plate Assembly
6	Spoiler Body	15	Rear Bumper Left Mounting Bracket
7	Left D-pillar Trim Board Assembly	16	Front Left Door Cover Plate Guide Rail Assembly
8	Right D-pillar Trim Board Assembly	17	Rear Left Door Cover Plate Guide Rail Assembly
9	Rear Right Wheel House Protector Assembly	18	Rear Left Door C-pillar Cover Plate Assembly

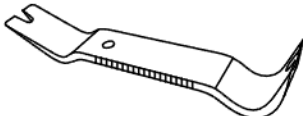


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1	Front Right Door Cover Plate Guide Rail Assembly	4	Front Right Scuff Plate Assembly
2	Rear Right Door Cover Plate Guide Rail Assembly	5	Rear Right Door Scuff Plate Assembly
3	Rear Right Door C-pillar Cover Plate Assembly	6	Right Skirt Protector Assembly

52.3 ON-VEHICLE SERVICE

1 Tool

Tool Name	Tool Drawing
Interior Crow Plate	 S00020

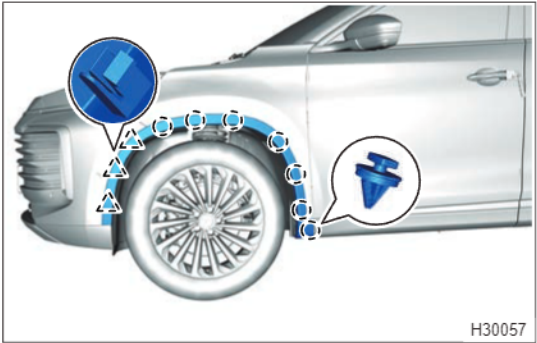
2 Replace front bumper assembly

2.1 Removal

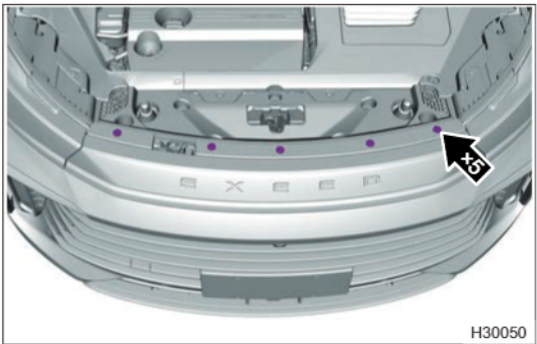
 **Caution**

- **Be sure to wear necessary safety equipment to prevent accidents, when removing front bumper assembly.**
- **Appropriate force should be applied, when removing front bumper assembly. Be careful not to operate roughly.**
- **Try to prevent body paint surface from being scratched, when removing front bumper assembly.**
- **Avoid breaking claws, when disassembling front bumper assembly.**

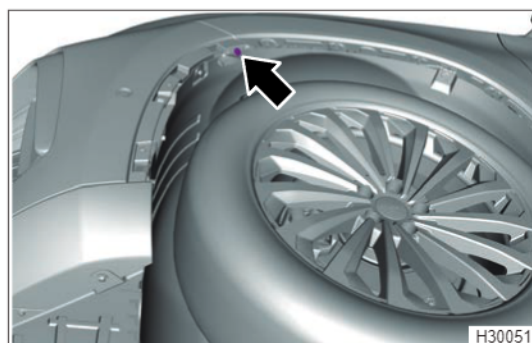
- (1) Turn off all electrical equipment and ENGINE START STOP switch.
- (2) Disconnect the negative battery cable.
- (3) Remove the engine compartment trim cover assembly.
- (4) Using an interior crow plate, pry off fixing clip from front left wheel arch carefully and remove the front left wheel arch assembly.



- (5) Remove 5 fixing screws from upper part of front bumper.



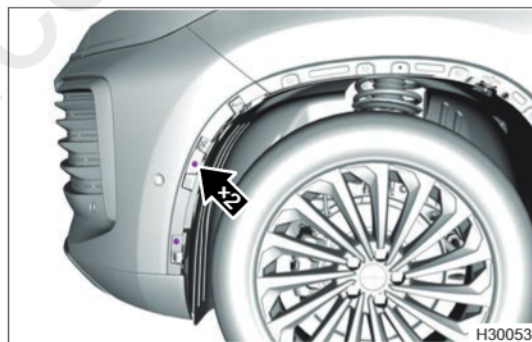
- (6) Remove fixing bolt from left side of front bumper (- removal produces for left and right are same).



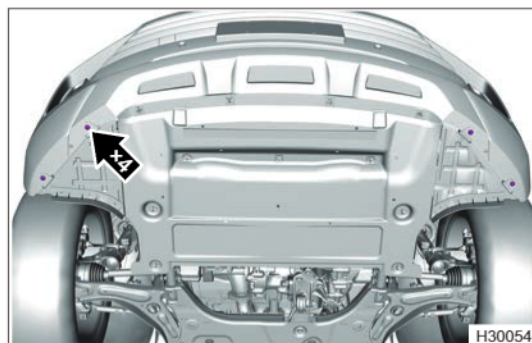
- (7) Remove 3 fixing clips between front bumper assembly and front left wheel house protector (removal produces for left and right are same).



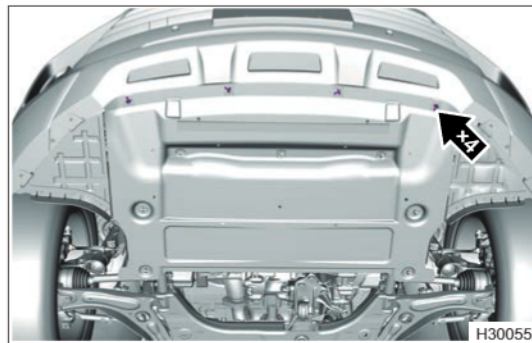
- (8) Remove 2 fixing screws between front bumper assembly and front left wheel house protector (removal produces for left and right are same).



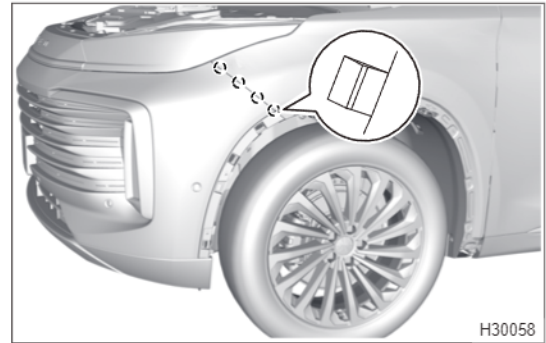
- (9) Raise the vehicle to a proper position, remove 4 fixing screws from the lower part of front bumper assembly.



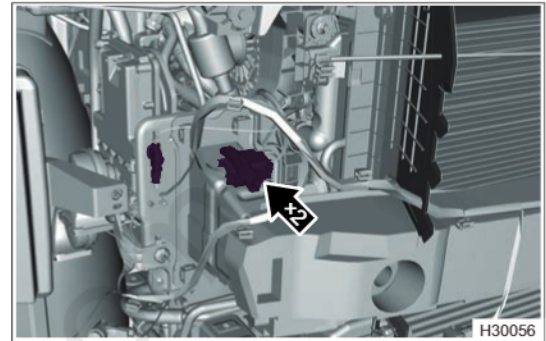
- (10) Remove 4 fixing bolts from lower part of front bumper assembly.



- (11) Disengage the claws from front bumper assembly (take left side as an example).



- (12) Disconnect the front bumper camera connector and wire harness connector, and remove front bumper assembly.



2.2 Installation

⚠ Caution

- **Be sure to wear necessary safety equipment to prevent accidents, when installing front bumper assembly.**
- **Try to prevent body paint surface from being scratched, when installing front bumper assembly.**
- **Make sure that front bumper is installed correctly and fitting clearance between front bumper and body is appropriate, when installing front bumper assembly.**

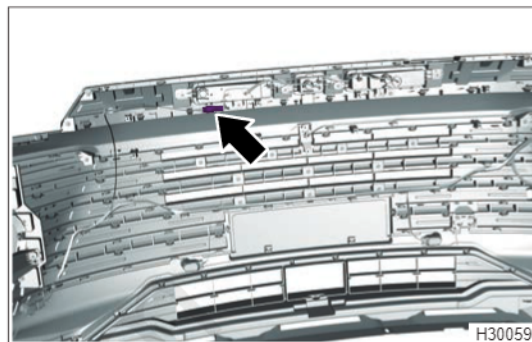
- (1) Connect the front bumper camera connector and wire harness connector, and install front bumper assembly to proper position on vehicle body.
- (2) Align the flanging of front bumper wing with the bracket in turn and slowly guide it in according to the mating features, and snap the clips into bumper from headlight side in turn.
- (3) Raise the vehicle to a proper position, install 4 fixing bolts to lower part of front bumper assembly.
- (4) Install 4 fixing screws to lower part of front bumper assembly.
- (5) Install 2 fixing screws between front bumper assembly and front left wheel house protector (installation produces for left and right are same).
- (6) Install 3 fixing clips between front bumper assembly and front left wheel house protector (installation produces for left and right are same).
- (7) Install fixing bolt to left side of front bumper (Installation produces for left and right are same).
- (8) Install 5 fixing screws to upper part of front bumper.
Torque: $5.0 \pm 1.0 \text{ N}\cdot\text{m}$
- (9) Install the front left wheel arch assembly.
- (10) Install the engine compartment trim cover assembly.
- (11) Connect the negative battery cable.

2.3 Disassembly

Caution

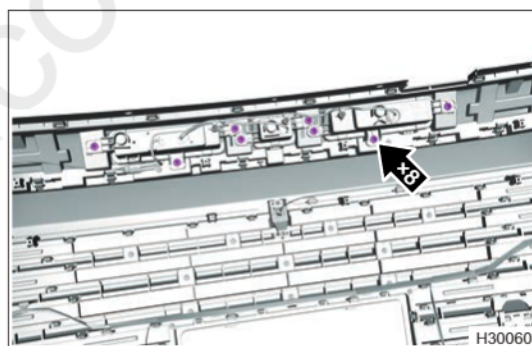
- Appropriate force should be applied, when disassembling front bumper assembly. Be careful not to operate roughly.
- Try to prevent body paint surface from being scratched, when disassembling front bumper assembly.
- Avoid breaking claws, when disassembling front bumper assembly.

(1) Disconnect the Logo light wire harness connector.

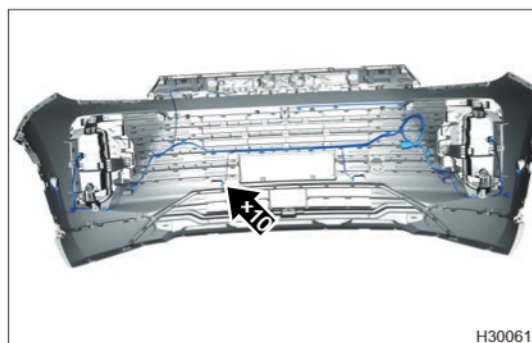


(2) Disengage the light wire harness clip from light case.

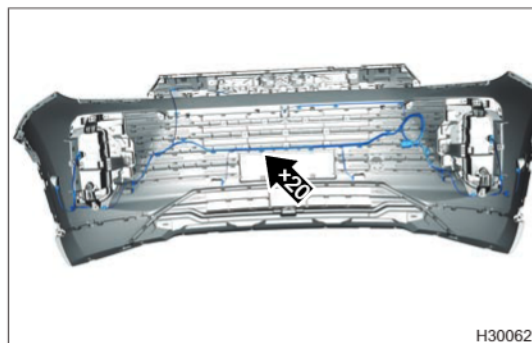
(3) Remove the fixing screws between Logo light and front bumper assembly.



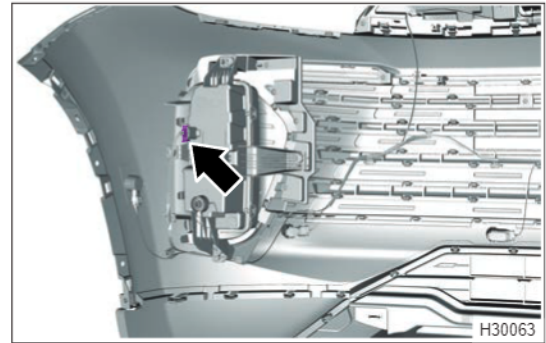
(4) Disconnect the front bumper wire harness connector.



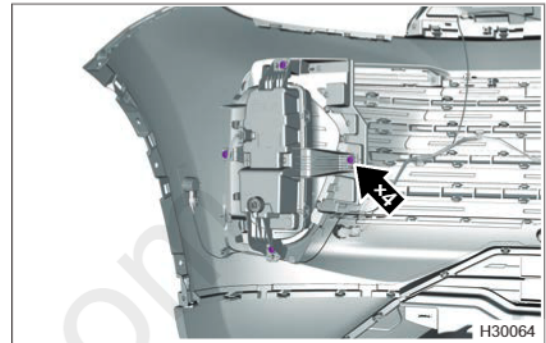
(5) Disengage the fixing clip from front bumper wire harness.



- (6) Disconnect the front fog light wire harness connector.



- (7) Remove 4 fixing screws between front bumper and fog light bracket.



2.4 Assembly

⚠ Caution

- Appropriate force should be applied, when assembling front bumper assembly. Be careful not to operate roughly.
- Avoid breaking claws, when assembling front bumper assembly.

- (1) Install 4 fixing screws between front bumper and fog light bracket.
- (2) Connect the front fog light wire harness connector.
- (3) Install the fixing clip to front bumper wire harness.
- (4) Install the front bumper wire harness connector.
- (5) Install the fixing screws between Logo light and front bumper assembly.
- (6) Snap the light wire harness clip into light case.
- (7) Connect the Logo light wire harness connector.

3 Replace Front Bumper Mounting Bracket

3.1 Removal

Hint:

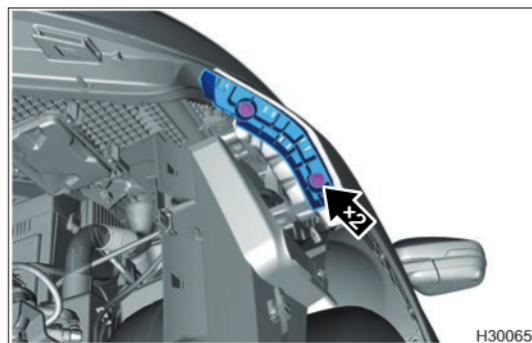
- Use same procedures for right and left sides.
- Procedures listed below are for left side.

⚠ Caution

- Appropriate force should be applied, when removing front bumper mounting bracket. Be careful not to operate roughly.
- Try to prevent body paint surface from being scratched, when removing front bumper mounting bracket.

- (1) Turn off all electrical equipment and ENGINE START STOP switch.

- (2) Disconnect the negative battery cable.
- (3) Remove the front bumper assembly.
- (4) Remove 2 fixing bolts from front bumper mounting bracket.



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- (5) Remove the front bumper mounting bracket.

3.2 Installation

⚠ Caution

- Try to prevent body paint surface from being scratched, when installing front bumper mounting bracket.

- (1) Install the front bumper mounting bracket to proper position on vehicle body.
- (2) Install 2 fixing bolts to front bumper bracket.
Torque: $5 \pm 1 \text{ N}\cdot\text{m}$
- (3) Install front bumper assembly.
- (4) Connect the negative battery cable.

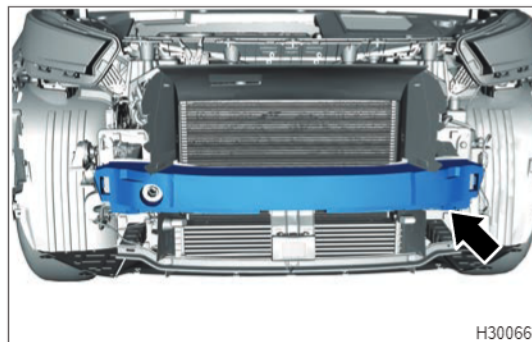
4 Replace Front Bumper Crossmember Assembly

4.1 Removal

⚠ Caution

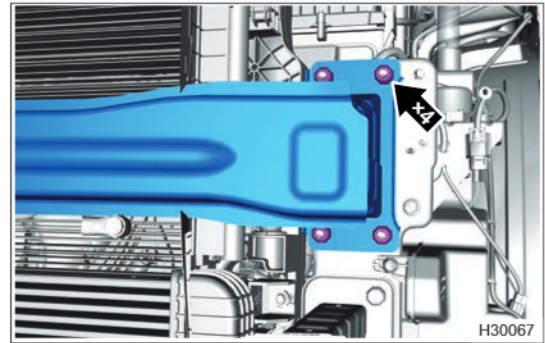
- Be sure to wear necessary safety equipment to prevent accidents, when removing front bumper crossmember assembly.
- Try to prevent body paint surface from being scratched, when removing front bumper crossmember assembly.

- (1) Turn off all electrical equipment and ENGINE START STOP switch.
- (2) Disconnect the negative battery cable.
- (3) Remove the front bumper assembly.
- (4) Remove the upper energy absorbing block.

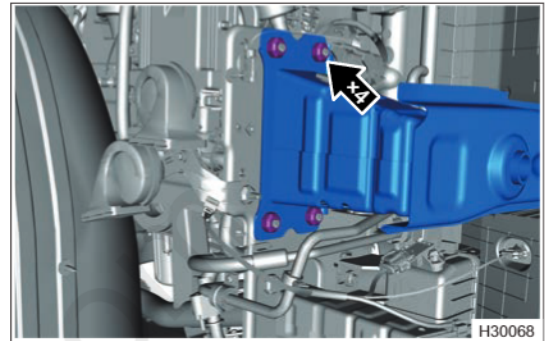


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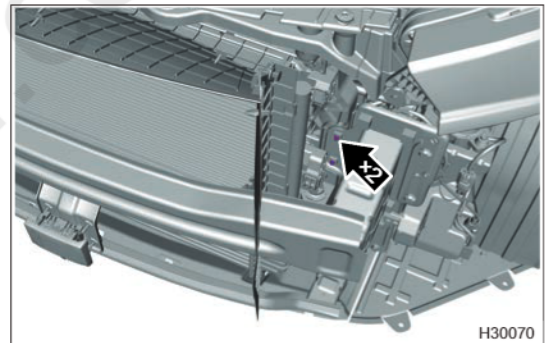
- (5) Remove 4 fixing nuts from right side of front bumper crossmember assembly.



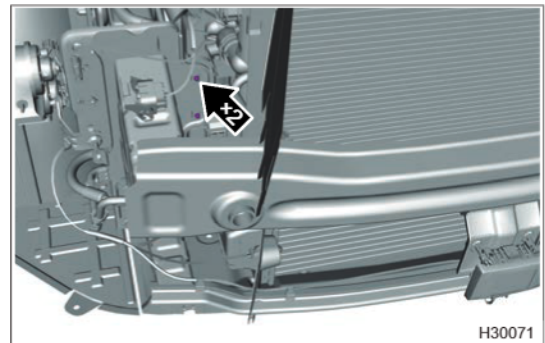
- (6) Remove 4 fixing nuts from left side of front bumper crossmember assembly.



- (7) Remove 2 fixing bolts between front bumper crossmember assembly and cooler bracket assembly.



- (8) Remove 2 fixing bolts between front bumper crossmember assembly and cooler bracket assembly.



- (9) Remove the front bumper crossmember assembly.

4.2 Installation

⚠ Caution

- Try to prevent body paint surface from being scratched, when installing front bumper crossmember assembly.
- There should be no looseness, shaking and deformation, after installing front bumper crossmember assembly.

- (1) Install the front bumper crossmember assembly to proper position on vehicle body.

- (2) Install 2 fixing bolts between front bumper crossmember assembly and cooler bracket assembly.
- (3) Install 2 fixing bolts between front bumper crossmember assembly and cooler bracket assembly.
- (4) Install 4 fixing nuts to left side of front bumper crossmember assembly.
- (5) Install 4 fixing nuts to right side of front bumper crossmember assembly.
- (6) Install the upper energy absorbing block.
- (7) Install front bumper assembly.
- (8) Connect the negative battery cable.

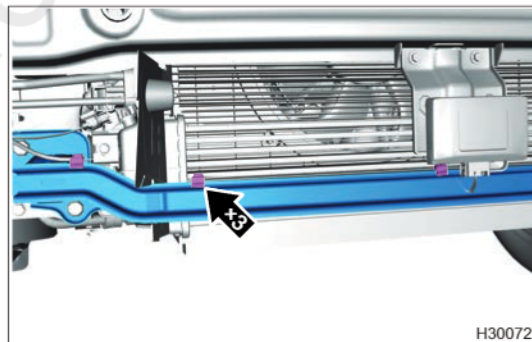
5 Replace Front Lower Protection Crossmember Assembly

5.1 Removal

Caution

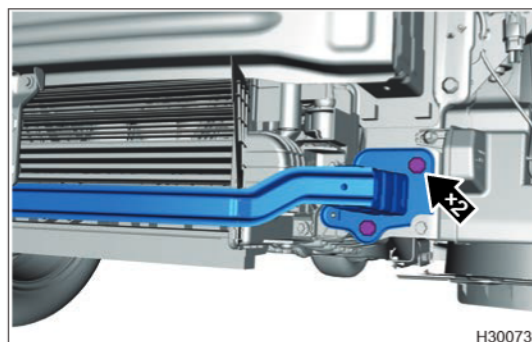
- **Be sure to wear safety equipment to prevent accidents, when removing front lower protection crossmember assembly.**
- **Try to prevent body paint surface from being scratched, when removing front lower protection crossmember assembly.**

- (1) Turn off all electrical equipment and ENGINE START STOP switch.
- (2) Disconnect the negative battery cable.
- (3) Remove the front bumper assembly.
- (4) Disengage the wire harness fixing clip.



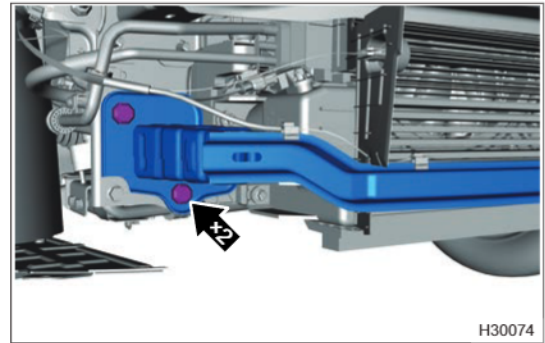
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- (5) Remove 2 fixing bolts from right side of front lower protection crossmember assembly.

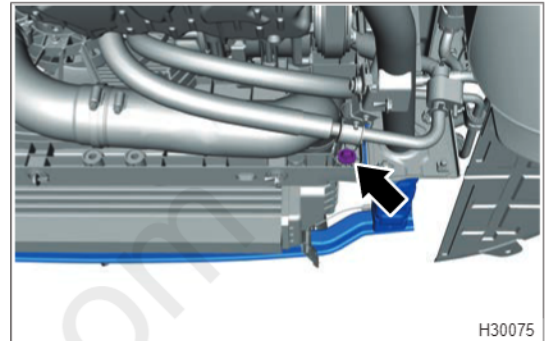


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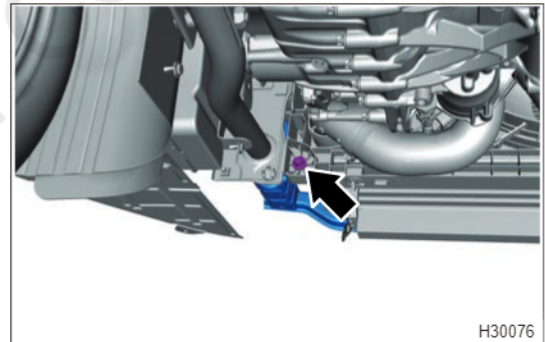
- (6) Remove 2 fixing bolts from left side of front lower protection crossmember assembly.



- (7) Remove 1 fixing bolt between front lower protection crossmember and cooler bracket assembly.



- (8) Remove 1 fixing bolt between front lower protection crossmember and cooler bracket assembly.



- (9) Remove the front lower protection crossmember assembly.

5.2 Installation

Caution

- Try to prevent body paint surface from being scratched, when installing front lower protection crossmember assembly.

- (1) Install front lower protection crossmember assembly to proper position on vehicle body.
- (2) Install 1 fixing bolt between front lower protection crossmember and cooler bracket assembly.
- (3) Install 1 fixing bolt between front lower protection crossmember and cooler bracket assembly.
- (4) Install 2 fixing bolts to left side of front lower protection crossmember assembly.
- (5) Install 2 fixing bolts to right side of front lower protection crossmember assembly.
- (6) Install the wire harness fixing clip.
- (7) Install front bumper assembly.
- (8) Connect the negative battery cable.

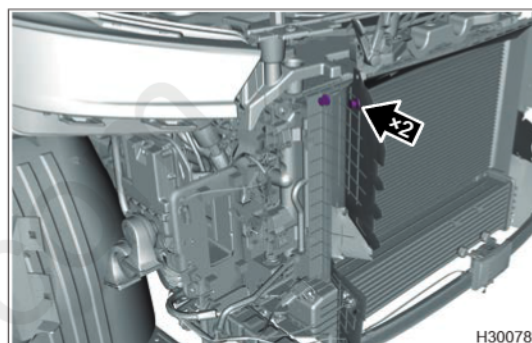
6 Replace Air Deflector Assembly

6.1 Removal

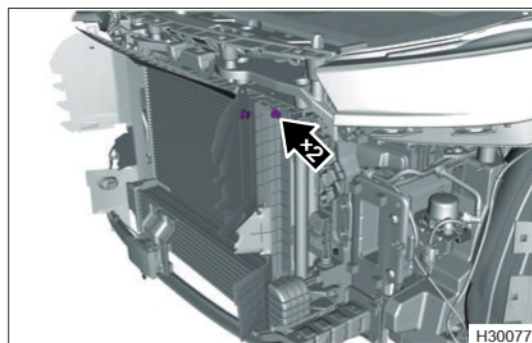
Caution

- **Be sure to wear necessary safety equipment to prevent accidents, when removing air deflector assembly.**
- **Try to prevent body paint surface from being scratched, when removing air deflector assembly.**

- (1) Turn off all electrical equipment and ENGINE START STOP switch.
- (2) Disconnect the negative battery cable.
- (3) Remove the front bumper assembly.
- (4) Remove the front bumper crossmember assembly.
- (5) Remove 2 fixing clips from left side of upper air deflector.



- (6) Remove 2 fixing clips from right side of upper air deflector.



- (7) Disconnect and remove outside temperature sensor.
- (8) Remove the air deflector.

6.2 Installation

Caution

- **Try to prevent body paint surface from being scratched, when installing air deflector assembly.**

- (1) Install the air deflector to proper position on vehicle body.
- (2) Connect and install outside temperature sensor.
- (3) Install 2 fixing clips to right side of upper air deflector.
- (4) Install 2 fixing clips to left side of upper air deflector.
- (5) Install front bumper crossmember assembly.
- (6) Install front bumper assembly.
- (7) Connect the negative battery cable.

7 Replace Front Wheel House Protector Assembly

7.1 Removal

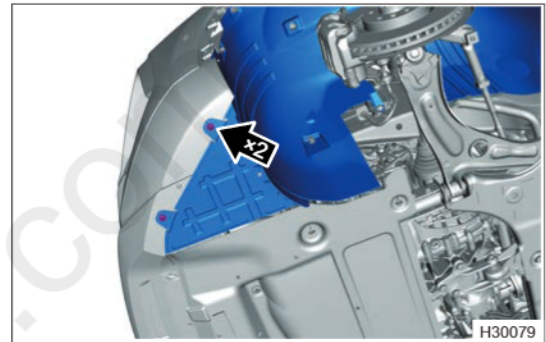
Hint:

- Use same procedures for right and left sides.
- Procedures listed below are for left side.

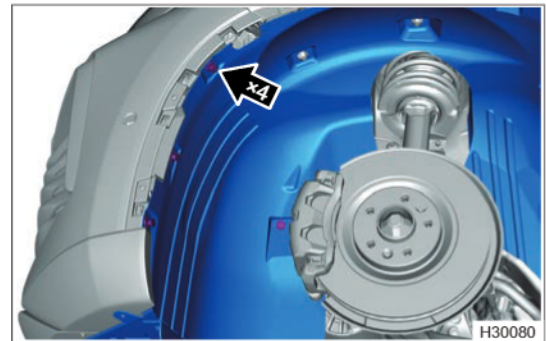
⚠ Caution

- **Be sure to wear safety equipment to prevent accidents, when removing front wheel house protector assembly.**
- **Try to prevent body paint surface from being scratched, when removing front wheel house protector assembly.**

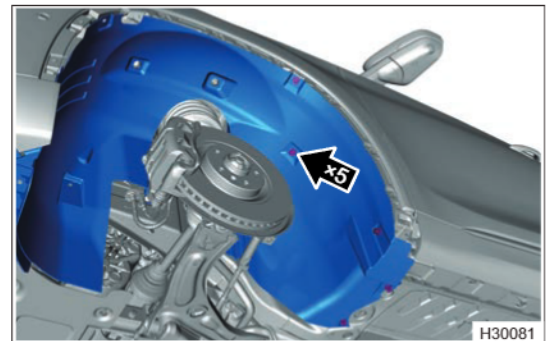
- (1) Remove front left wheel arch body.
- (2) Remove 2 fixing screws from lower part of front wheel house protector.



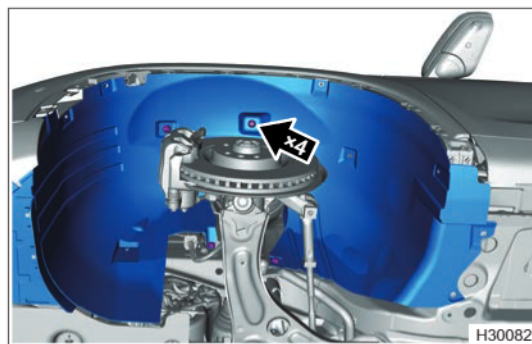
- (3) Remove 4 plastic snap fasteners from front wheel house protector.



- (4) Remove 5 plastic snap fasteners from front wheel house protector.



- (5) Remove 4 plastic nuts from upper part of front wheel house protector.



- (6) Remove the front wheel house protector assembly.

7.2 Installation

Caution

- Try to prevent body paint surface from being scratched, when installing front wheel house protector assembly.

- (1) Install front wheel house protector assembly to proper position on vehicle body.
- (2) Install 4 plastic nuts to upper part of front wheel house protector.
- (3) Install 5 plastic snap fasteners to front wheel house protector.
- (4) Install 4 plastic snap fasteners to front wheel house protector.
- (5) Install 2 fixing screws to lower part of front wheel house protector.
- (6) Install front left wheel arch body.

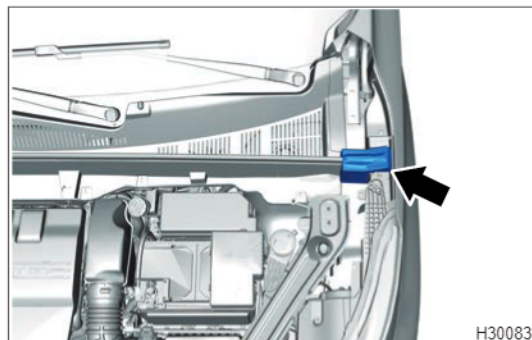
8 Replace Front Windshield Lower Trim Panel Assembly

8.1 Removal

Caution

- Be sure to wear safety equipment to prevent accidents, when removing front windshield lower support assembly.
- Try to prevent body paint surface from being scratched, when removing front windshield lower support assembly.

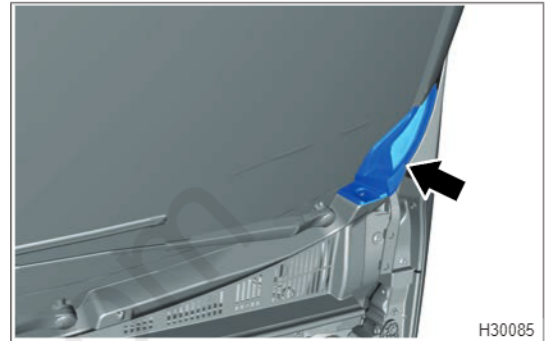
- (1) Turn off all electrical equipment and ENGINE START STOP switch.
- (2) Disconnect the negative battery cable.
- (3) Remove the engine compartment trim cover assembly.
- (4) Remove the front wiper arm assembly.
- (5) Remove the front windshield lower trim panel left block (take left side as an example).



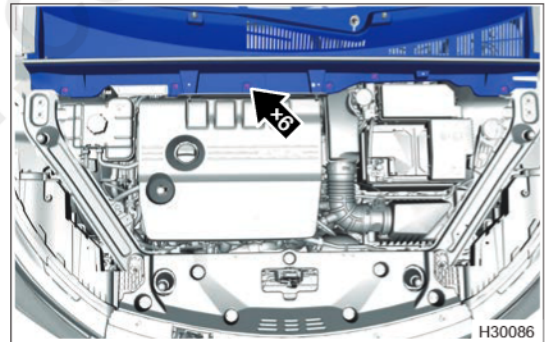
- (6) Remove the fixing clip from front windshield lower trim panel left cover plate (take left side as an example).



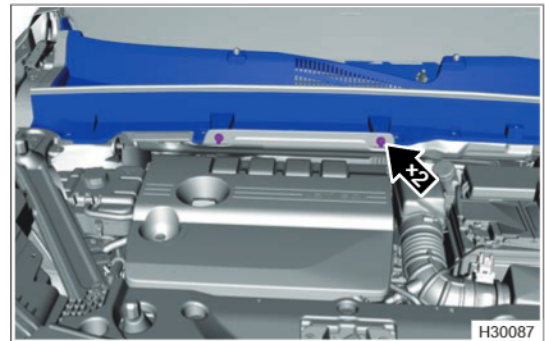
- (7) Using an interior crow plate, pry off front windshield lower trim panel left cover plate (take left side as an example).



- (8) Remove 6 fixing snap fasteners from front windshield lower trim panel.



- (9) Remove 2 fixing clips between front windshield lower trim panel and cowl panel outside isolation pad.



- (10) Remove the front windshield lower trim panel assembly.

8.2 Installation

⚠ Caution

- Try to prevent body paint surface from being scratched, when installing front windshield lower trim panel assembly.

- (1) Install front windshield lower trim board assembly to proper position on vehicle body.
- (2) Install 2 fixing clips between front windshield lower trim panel and cowl panel outside isolation pad.

- (3) Install 6 fixing snap fasteners to front windshield lower trim panel.
- (4) Install front windshield lower trim panel left cover plate (take left side as an example).
- (5) Install front windshield lower trim panel left cover plate fixing clip (take left side as an example).
- (6) Install the front windshield lower trim panel left block (take left side as an example).
- (7) Install front wiper arm assembly.
- (8) Install the engine compartment trim cover assembly.
- (9) Connect the negative battery cable.

9 Replace Wing Assembly

9.1 Removal

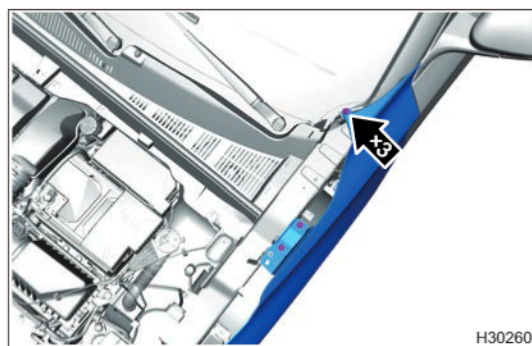
Hint:

- Use same procedures for right and left sides.
- Procedures listed below are for left side.

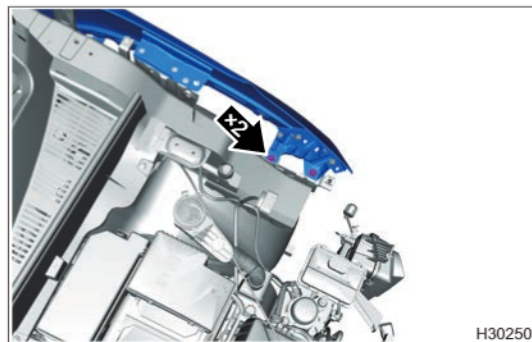
Caution

- **Be sure to wear safety equipment to prevent accidents, when removing wing assembly.**
- **Try to prevent body paint surface from being scratched, when removing wing assembly.**

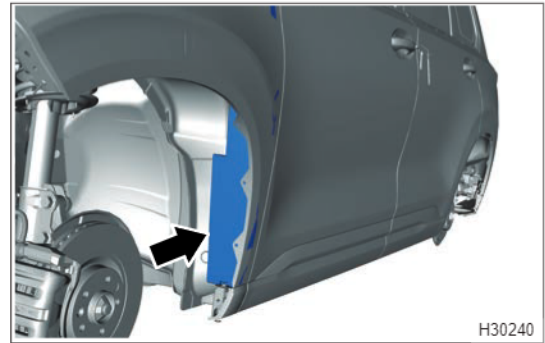
- (1) Turn off all electrical equipment and ENGINE START STOP switch.
- (2) Disconnect the negative battery cable.
- (3) Remove the engine compartment trim cover assembly.
- (4) Remove the front left wheel assembly.
- (5) Remove the front bumper assembly.
- (6) Remove the left headlight assembly.
- (7) Remove the front left wheel house assembly.
- (8) Remove 3 fixing bolts between upper part of wing assembly and body.



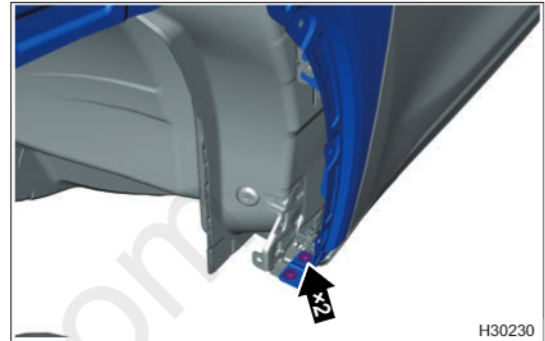
- (9) Remove 2 fixing bolts between front part of wing assembly and body.



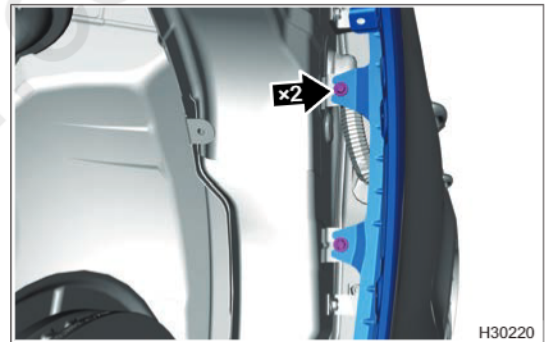
(10) Remove the wing spacer.



(11) Remove 2 fixing bolts between lower part of wing assembly and body.



(12) Remove 2 fixing bolts between rear part of wing assembly and body.



(13) Remove the wing assembly.

9.2 Installation

Caution

- Be sure to wear safety equipment to prevent accidents, when installing front wing.
- Try to prevent body paint surface from being scratched, when installing front wing.
- Make sure that front wing is installed correctly and fitting clearance between front wing and body is appropriate, when installing front wing.
- After assembly, it is not allowed to exceed the sheet metal flanging, end stay outside, and obstruct the installation hole of front wheel arch ornament.

- (1) Install 2 fixing bolts between rear part of wing assembly and body.
- (2) Install 2 fixing bolts between lower part of wing assembly and body.
- (3) Install the wing spacer.
- (4) Install 2 fixing bolts between front part of wing assembly and body.
- (5) Install 3 fixing bolts between upper part of wing assembly and body.
- (6) Install front left headlight assembly.
- (7) Install front bumper assembly.
- (8) Install wing trim panel.

- (9) Install front left wheel assembly.
- (10) Install the engine compartment trim cover assembly.
- (11) Connect the negative battery cable.
- (12) Connect ENGINE START STOP switch and perform running test.

10 Replace Roof Rack

10.1 Removal

Hint:

- Use same procedures for right and left sides.
- Procedures listed below are for left side.

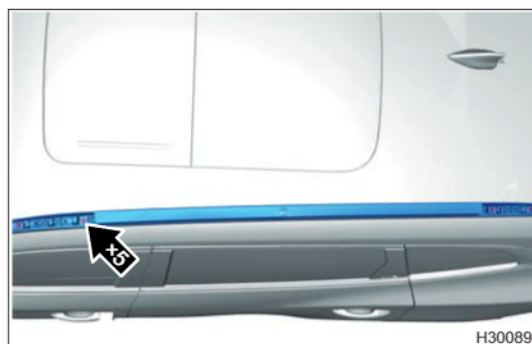
Caution

- **Be sure to wear necessary safety equipment to prevent accidents, when removing roof rack.**
- **Try to prevent body paint surface from being scratched, when removing roof rack.**

- (1) Using an interior crow plate, pry off front, middle and rear end covers of roof rack.



- (2) Remove 5 fixing bolts from roof rack.



- (3) Remove the roof rack.

10.2 Installation

Caution

- **Be sure to wear safety equipment to prevent accidents, when installing roof rack.**
- **Try to prevent body paint surface from being scratched, when installing roof rack.**
- **When installing, make sure that there is no clearance between the rubber pad of roof rack and quarter, roof. Pay attention to the alignment of clearance between rubber pad and roof.**
- **It is essential to check whether the clip is clamped in place.**

- (1) Install roof rack to proper position on vehicle body.
- (2) Install 5 fixing bolts to roof rack.
Torque: $9.0 \pm 1 \text{ N}\cdot\text{m}$
- (3) Install front, middle and rear end covers of roof rack.

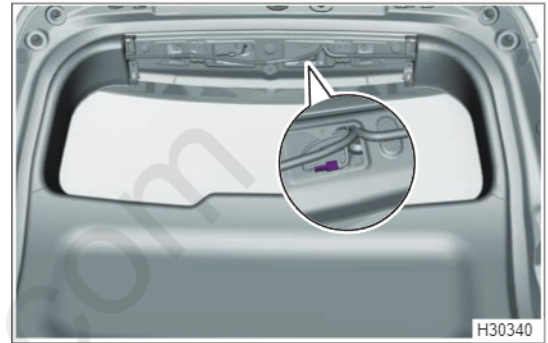
11 Replace Rear Spoiler Assembly

11.1 Removal

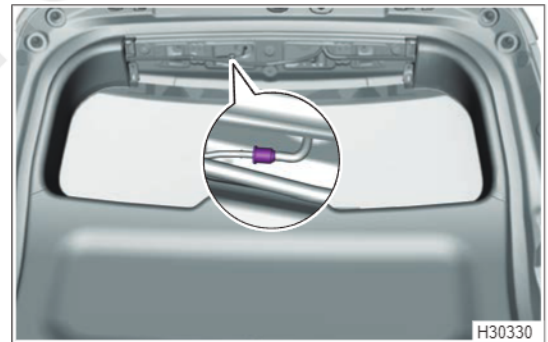
Caution

- **Be sure to wear safety equipment to prevent accidents, when removing rear spoiler assembly.**
- **Try to prevent body paint surface from being scratched, when removing rear spoiler assembly.**

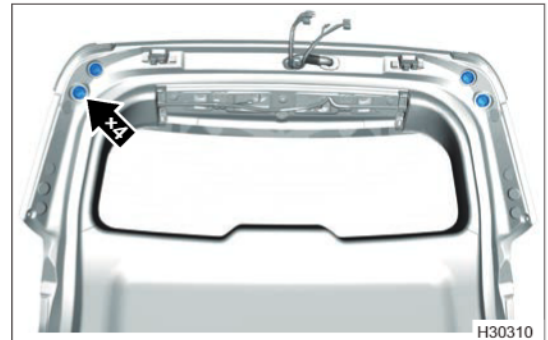
- (1) Turn off all electrical equipment and ENGINE START STOP switch.
- (2) Disconnect the negative battery cable.
- (3) Remove back door upper protector assembly.
- (4) Disconnect wire harness connector from high mounted stop light.



- (5) Disconnect the washer pipeline from rear nozzle.



- (6) Using an interior crow plate, pry off plug from rear spoiler.



(7) Remove 4 fixing bolts from rear spoiler assembly.

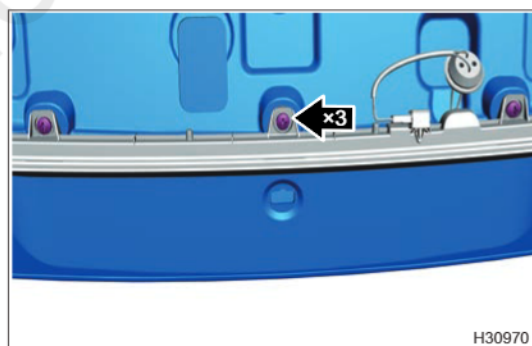


(8) Remove 2 fixing nuts from rear spoiler assembly.



(9) Remove the rear spoiler assembly.

(10) Remove 3 fixing screws from high mounted stop light.



(11) Remove the high mounted stop light.

11.2 Installation

Caution

- **Be sure to wear safety equipment to prevent accidents, when installing rear spoiler assembly.**
- **Try to prevent body paint surface from being scratched, when installing rear spoiler assembly.**

- (1) Install the high mounted stop light to proper position on spoiler.
- (2) Install 3 fixing screws to high mounted stop light.
- (3) Install the rear spoiler assembly to proper position on vehicle body.
- (4) Install 2 fixing nuts to rear spoiler assembly.
- (5) Install 4 fixing bolts to rear spoiler assembly.
- (6) Install the plug to rear spoiler.
- (7) Connect the washer pipeline to rear nozzle.
- (8) Connect wire harness connector to high mounted stop light.
- (9) Install the back door upper protector assembly.
- (10) Connect the negative battery cable.

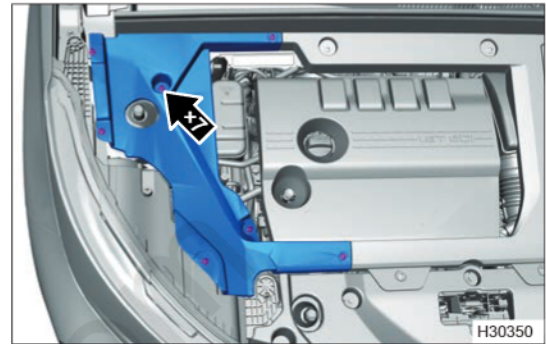
12 Replace Engine Compartment Trim Cover Assembly

12.1 Removal

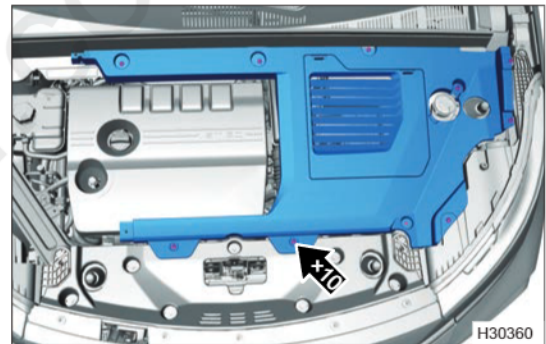
Caution

- Be sure to wear safety equipment to prevent accidents, when removing engine compartment trim cover assembly.
- Try to prevent body paint surface from being scratched, when removing engine compartment trim cover assembly.

- (1) Disengage 7 plastic snap fasteners and remove the right engine compartment trim cover assembly.



- (2) Disengage 10 plastic snap fasteners and remove the left engine compartment trim cover assembly.



12.2 Installation

Caution

- Be sure to wear necessary safety equipment to prevent accidents, when installing engine compartment trim cover assembly.
- Try to prevent appearance from being scratched, when installing engine compartment trim cover assembly.

- (1) Install the left engine compartment trim cover assembly to a proper position on engine compartment and install 10 plastic snap fasteners.
- (2) Install the right engine compartment trim cover assembly to a proper position on engine compartment and install 7 plastic snap fasteners.

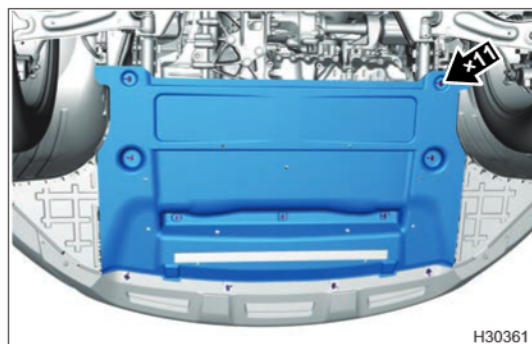
13 Replace Engine Compartment Lower Protector Assembly

13.1 Removal

Caution

- Be sure to wear safety equipment to prevent accidents, when removing engine compartment lower protector assembly.
- Try to prevent body paint surface from being scratched, when removing engine compartment lower protector assembly.

- (1) Raise the vehicle to a proper position.
- (2) Remove 11 fixing bolts from engine compartment lower protector assembly.



13.2 Installation

⚠ Caution

- Be sure to wear safety equipment to prevent accidents, when installing engine compartment lower protector assembly.
- Try to prevent body paint surface from being scratched, when installing engine compartment lower protector assembly.

- (1) Install 11 fixing bolts to engine compartment lower protector assembly.
Torque: $4 \pm 0.5 \text{ N}\cdot\text{m}$
- (2) Lower the vehicle to a proper position.

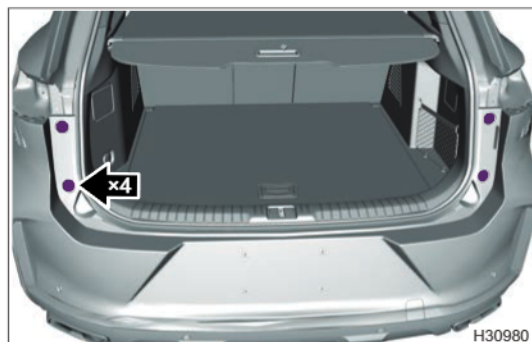
14 Replace Rear Bumper Assembly

14.1 Removal

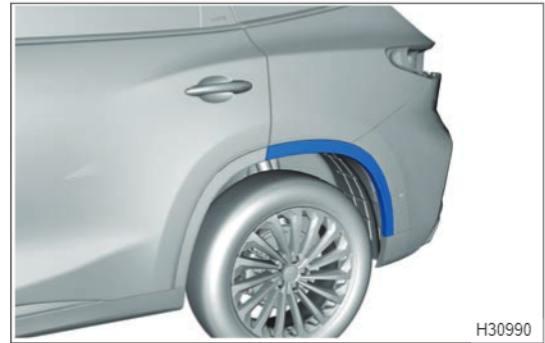
⚠ Caution

- Be sure to wear necessary safety equipment to prevent accidents, when removing rear bumper assembly.
- Appropriate force should be applied, when removing rear bumper assembly. Be careful not to operate roughly.
- Try to prevent body paint surface from being scratched, when removing rear bumper assembly.
- Avoid breaking claws, when disassembling rear bumper assembly.

- (1) Turn off all electrical equipment and ENGINE START STOP switch.
- (2) Disconnect the negative battery cable.
- (3) Remove the rear left and right combination light bodies.
- (4) Using an interior crow plate, pry off screw block cover carefully, and remove 4 fixing screws.



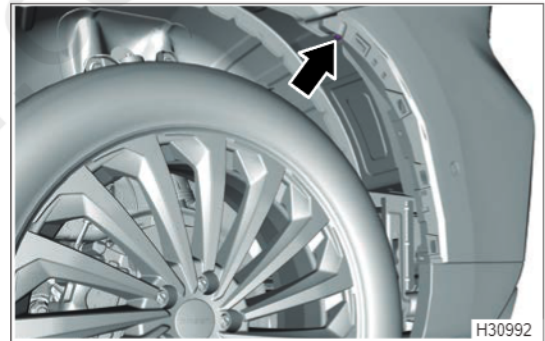
- (5) Using an interior crow plate, pry off fixing clip and remove the rear left wheel arch assembly.



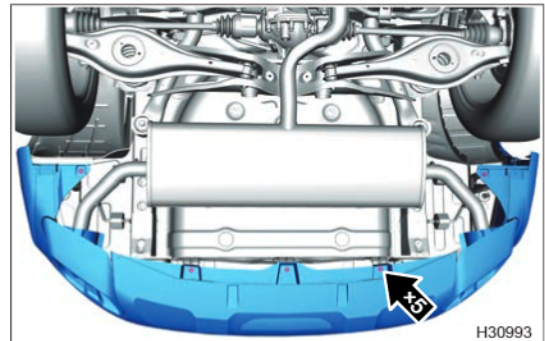
- (6) Remove 2 fixing snap fasteners from left side of rear bumper (removal produces for left and right are same).



- (7) Remove 1 fixing screw from left side of rear bumper (-removal produces for left and right are same).



- (8) Raise vehicle and remove 5 fixing bolts from lower part of rear bumper assembly.



- (9) Disconnect the main blind spot detection radar connector.



(10) Disconnect wire harness connector from rear bumper and remove the rear bumper assembly.

14.2 Installation

⚠ Caution

- Try to prevent body paint surface from being scratched, when installing rear bumper assembly.
- Make sure that rear bumper is installed correctly and fitting clearance between rear bumper and body is appropriate, when installing rear bumper assembly.

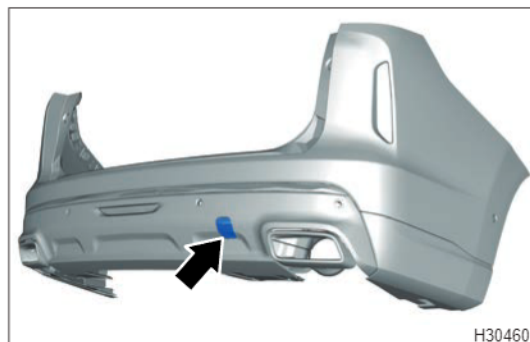
- (1) Connect the rear bumper wire harness connector, and install rear bumper to proper position.
- (2) Connect the main blind spot detection radar connector.
- (3) Raise vehicle and install 6 fixing bolts to lower part of rear bumper assembly.
Torque: $2 \pm 1.0 \text{ N}\cdot\text{m}$
- (4) Install 3 fixing screws to rear wheel house protector.
Torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$
- (5) Install 4 fixing screws to upper part of rear bumper assembly. (Take left side as an example)
Torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$
- (6) Connect the negative battery cable.
- (7) Connect ENGINE START STOP switch and perform running test.

14.3 Disassembly

⚠ Caution

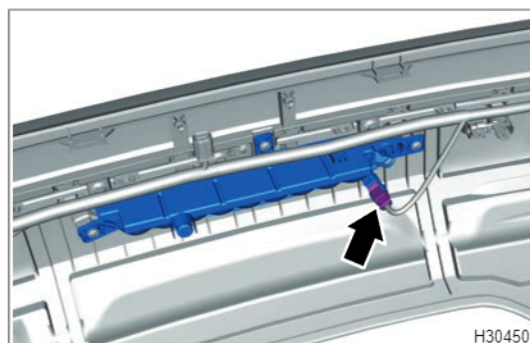
- Appropriate force should be applied, when disassembling rear bumper assembly. Be careful not to operate roughly.
- Try to prevent body paint surface from being scratched, when disassembling rear bumper assembly.
- Avoid breaking claws, when disassembling rear bumper assembly.

- (1) Using an interior crow plate, pry off rear bumper towing hook cover claw and remove the rear bumper towing hook cover.



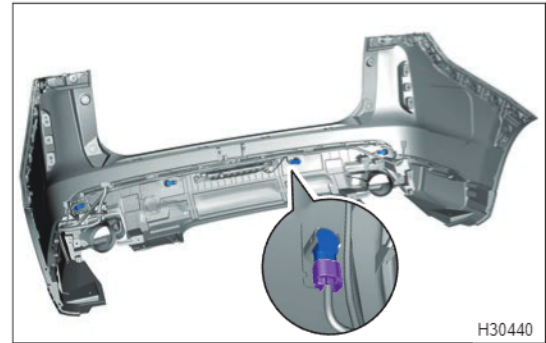
H30460

- (2) Disconnect the rear fog light connector.

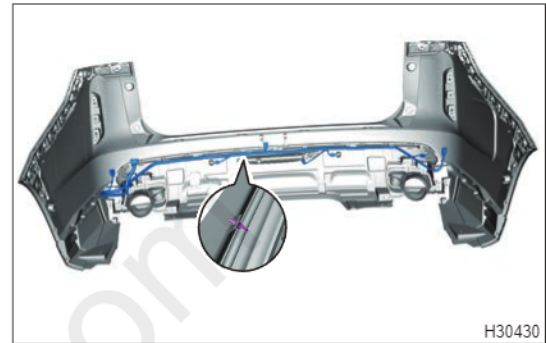


H30450

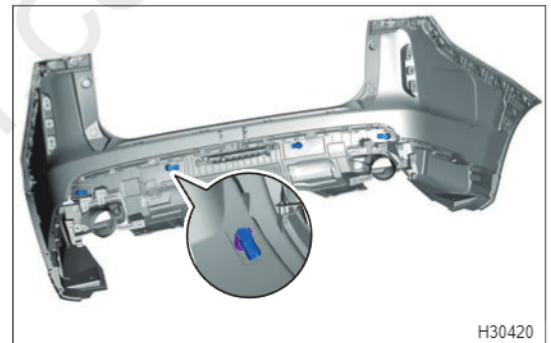
- (3) Disconnect the rear bumper sensor connector.



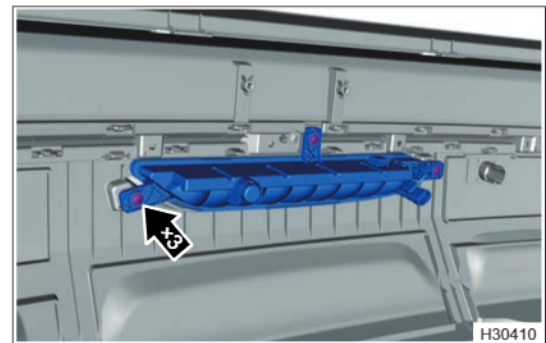
- (4) Disengage the rear bumper wire harness fixing clip and remove rear bumper wire harness.



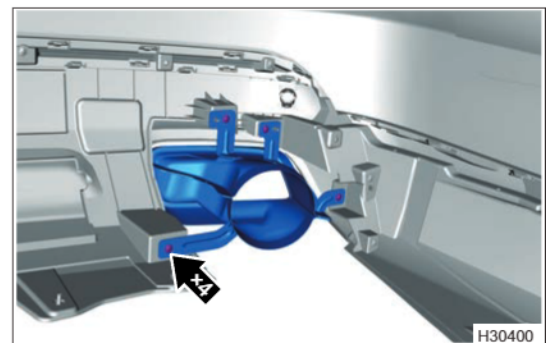
- (5) Disengage the clip and remove rear bumper sensor.



- (6) Remove 3 fixing screws and rear fog light.



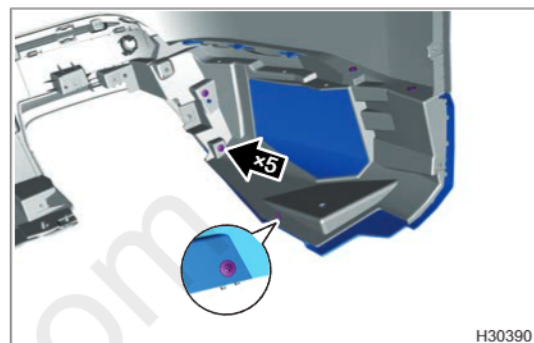
- (7) Remove 4 fixing screws from exhaust pipe trim cover and remove exhaust pipe heat insulator steel sleeve (- take left side as an example).



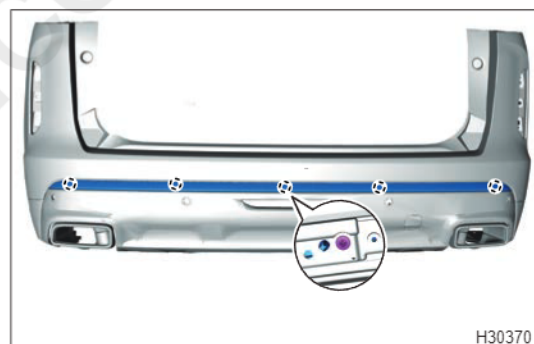
- (8) Remove 2 fixing screws and left retro-reflector assembly (take left side as an example).



- (9) Remove 5 fixing screws and left end ornament of rear bumper (take left side as an example).



- (10) Remove 5 fixing screws and rear bumper center trim strip.



- (11) Remove rear bumper lower trim board.

14.4 Assembly

Caution

- **Appropriate force should be applied, when assembling rear bumper assembly. Be careful not to operate roughly.**
- **Avoid breaking claws, when assembling rear bumper assembly.**

- (1) Install the rear bumper center trim strip to proper position on rear bumper.
- (2) Install 5 fixing screws to rear bumper center trim strip.
- (3) Install left end ornament of rear bumper to proper position on rear bumper and install 5 fixing screws to left end ornament of rear bumper (take left side as an example).
- (4) Install left retro-reflector assembly to proper position on rear bumper and install 2 fixing screws to left retro-reflector assembly (take left side as an example).
- (5) Install exhaust pipe heat insulator steel sleeve to proper position on rear bumper and install 4 fixing screws to exhaust pipe trim cover (take left side as an example).
- (6) Install rear fog light to proper position on rear bumper and install 3 fixing screws to rear fog light.
- (7) Install rear bumper sensor and clip into place.
- (8) Install rear bumper wire harness and fixing clip.
- (9) Connect the rear bumper sensor connector.

- (10) Connect the rear fog light connector.
- (11) Install rear bumper towing hook cover and clip into place.

15 Replace Rear Bumper Mounting Bracket

15.1 Removal

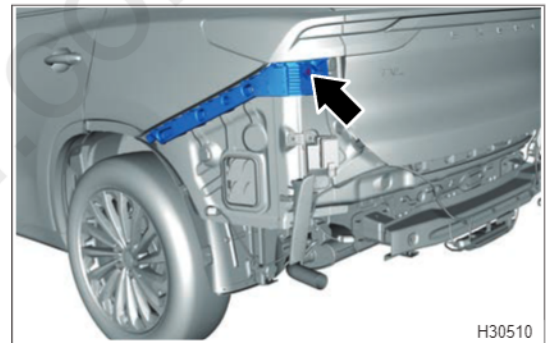
Hint:

- Use same procedures for right and left sides.
- Procedures listed below are for left side.

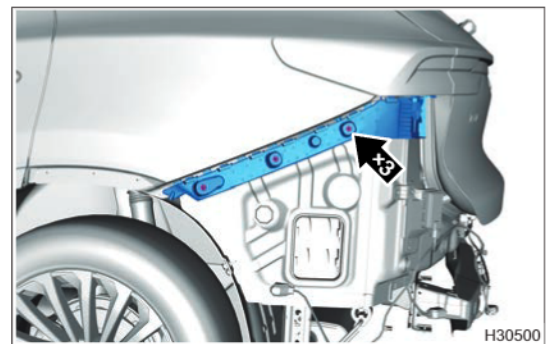
Caution

- **Appropriate force should be applied, when removing rear bumper mounting bracket. Be careful not to operate roughly.**
- **Try to prevent body paint surface from being scratched, when removing rear bumper mounting bracket.**

- (1) Turn off all electrical equipment and ENGINE START STOP switch.
- (2) Disconnect the negative battery cable.
- (3) Remove the rear bumper assembly.
- (4) Remove 1 fixing bolt from rear bumper mounting bracket.



- (5) Remove 3 fixing screws from rear bumper mounting bracket.



- (6) Remove the rear bumper mounting bracket.

15.2 Installation

Caution

- **Try to prevent body paint surface from being scratched, when installing rear bumper mounting bracket.**

- (1) Install the rear bumper mounting bracket to proper position on vehicle body.
- (2) Install 3 fixing screws to rear bumper mounting bracket.
Torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$
- (3) Install 1 fixing bolt to rear bumper mounting bracket.
Torque: $2 \pm 1.0 \text{ N}\cdot\text{m}$

- (4) Install rear bumper assembly.
- (5) Connect the negative battery cable.
- (6) Connect ENGINE START STOP switch and perform running test.

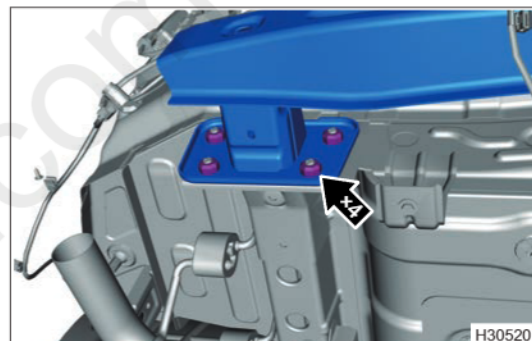
16 Replace Rear Bumper Crossmember

16.1 Removal

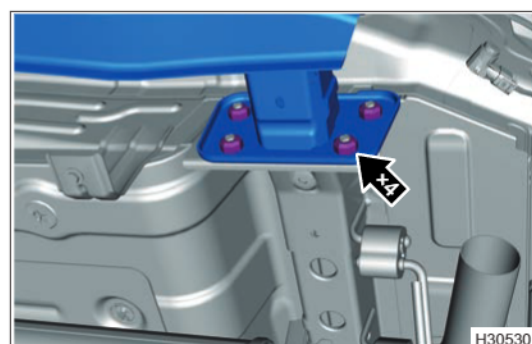
Caution

- **Appropriate force should be applied, when removing rear bumper crossmember. Be careful not to operate roughly.**
- **Try to prevent body paint surface from being scratched, when removing rear bumper crossmember.**

- (1) Turn off all electrical equipment and ENGINE START STOP switch.
- (2) Disconnect the negative battery cable.
- (3) Remove the rear bumper assembly.
- (4) Remove 4 fixing nuts from rear bumper crossmember assembly.



- (5) Remove 4 fixing nuts from rear bumper crossmember assembly.



- (6) Remove the rear bumper crossmember assembly.

16.2 Installation

Caution

- **Try to prevent body paint surface from being scratched, when installing rear bumper crossmember.**
- **There should be no looseness, shaking and deformation after installing rear bumper crossmember.**

- (1) Install the rear bumper crossmember to proper position.
- (2) Install 8 fixing nuts to rear bumper bracket.
- (3) Install rear bumper assembly.
- (4) Connect the negative battery cable.
- (5) Connect ENGINE START STOP switch and perform running test.

17 Replace Side Skirt Protector Assembly

17.1 Removal

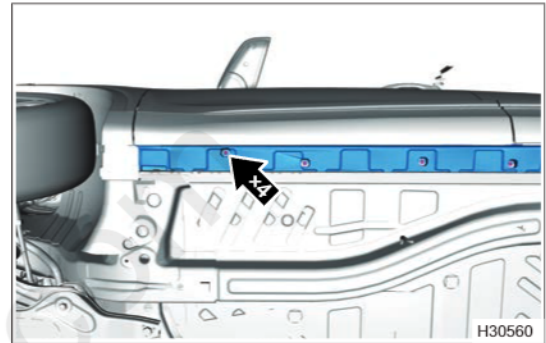
Hint:

- Use same procedures for right and left sides.
- Procedures listed below are for left side.

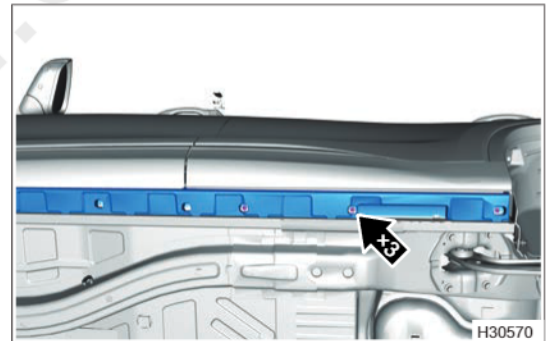
⚠ Caution

- **Appropriate force should be applied, when removing side skirt protector assembly. Be careful not to operate roughly.**
- **Try to prevent body paint surface from being scratched, when removing side skirt protector assembly.**

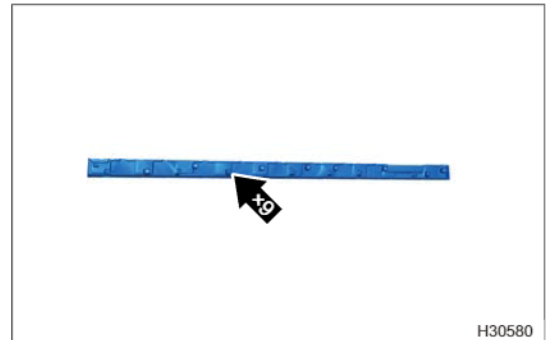
- (1) Remove 4 fixing screws from left side skirt protector assembly.



- (2) Remove 3 fixing screws from left side skirt protector assembly.



- (3) Using an interior crow plate, pry off side skirt protector assembly and remove it.



17.2 Installation

⚠ Caution

- **Try to prevent body paint surface from being scratched, when installing side skirt protector assembly.**

- (1) Install side skirt protector assembly to proper position and clamp the clip into place.
- (2) Install 7 fixing screws to left side skirt protector assembly.
- Torque: $1.5 \pm 0.5 \text{ N}\cdot\text{m}$

18 Replace Front Door Scuff Plate Assembly

18.1 Removal

Hint:

- Use same procedures for right and left sides.
- Procedures listed below are for left side.

⚠ Caution

- **Appropriate force should be applied when removing front door scuff plate assembly. Be careful not to operate roughly.**
- **Try to prevent body paint surface from being scratched, when removing front door scuff plate assembly.**

- (1) Using an interior crow plate, pry off lower weatherstrip.



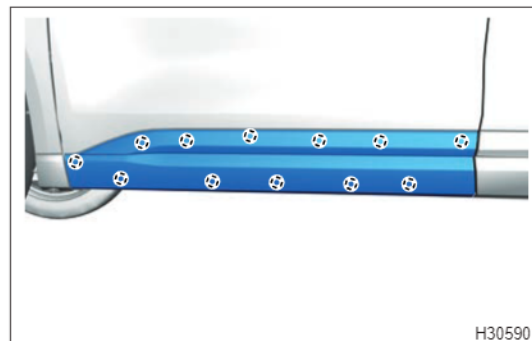
H30571

- (2) Remove 2 fixing screws from front door scuff plate assembly.



H30581

- (3) Using an interior crow plate, pry off fixing clips from front door scuff plate assembly.



H30590

18.2 Installation

Caution

- Appropriate force should be applied when installing front door scuff plate assembly. Be careful not to operate roughly.
- Try to prevent body paint surface from being scratched, when installing front door scuff plate assembly.
- After assembly, make sure that the upper edge of scuff plate fits the sheet metal and the two ends of trim board are not sticking out of sheet metal.

- (1) Install front door scuff plate assembly to a proper position and fix the clip.
- (2) Install 2 fixing screws to front door scuff plate assembly.
- (3) Install lower weatherstrip.

19 Replace Rear Door Scuff Plate Assembly

19.1 Removal

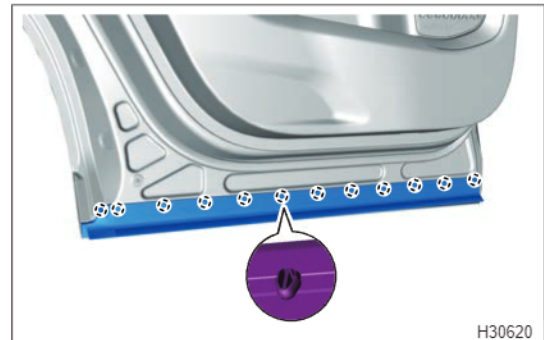
Hint:

- Use same procedures for right and left sides.
- Procedures listed below are for left side.

Caution

- Appropriate force should be applied when removing rear door scuff plate assembly. Be careful not to operate roughly.
- Try to prevent body paint surface from being scratched, when removing rear door scuff plate assembly.

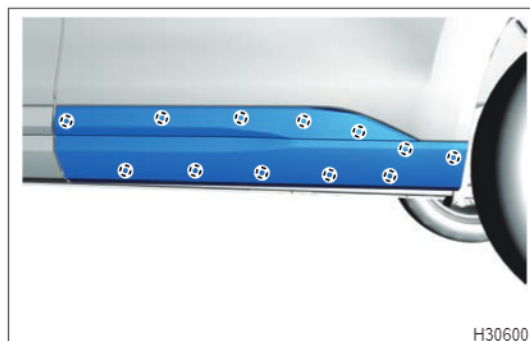
- (1) Using an interior crow plate, pry off lower weatherstrip.



- (2) Remove 2 fixing screws from front door scuff plate assembly.



- (3) Using an interior crow plate, pry off fixing clips from rear door scuff plate assembly.



H30600

19.2 Installation

⚠ Caution

- Appropriate force should be applied when installing rear door scuff plate assembly. Be careful not to operate roughly.
- Try to prevent body paint surface from being scratched, when installing rear door scuff plate assembly.
- After assembly, make sure that the upper edge of scuff plate fits the sheet metal and the two ends of trim board are not sticking out of sheet metal.

- (1) Install rear door scuff plate assembly to a proper position and fix the clip.
- (2) Install 2 fixing screws to rear door scuff plate assembly.
- (3) Install lower weatherstrip.

20 Replace Rear Wheel House Protector Assembly

20.1 Removal

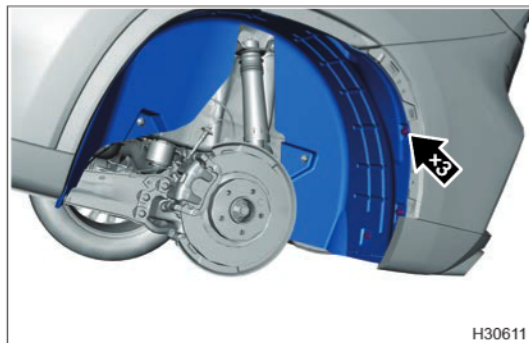
Hint:

- Use same procedures for right and left sides.
- Procedures listed below are for left side.

⚠ Caution

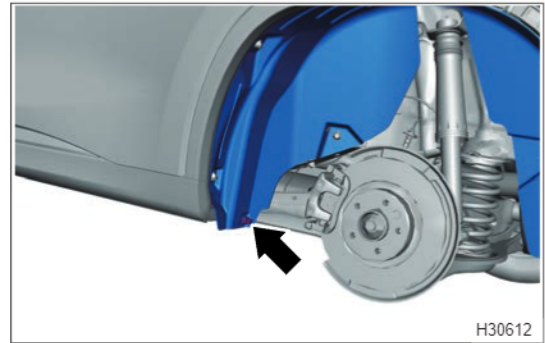
- Appropriate force should be applied, when removing rear wheel house protector assembly. Be careful not to operate roughly.
- Try to prevent body paint surface from being scratched, when removing rear wheel house protector assembly.

- (1) Remove 3 snap fasteners between rear bumper and rear wheel house protector.

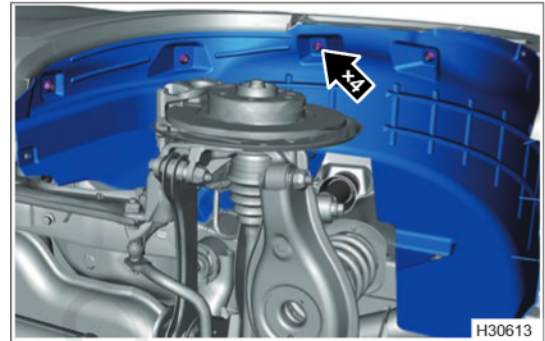


H30611

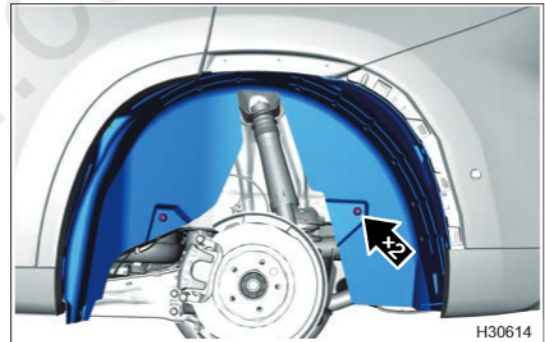
- (2) Remove 1 snap fastener between rear bumper and rear wheel house protector.



- (3) Remove 4 plastic nuts from rear wheel house protector.



- (4) Remove 2 plastic nuts from rear wheel house protector.



- (5) Remove the rear wheel house protector.

20.2 Installation

Caution

- Appropriate force should be applied, when installing rear wheel house protector assembly. Be careful not to operate roughly.
- Try to prevent body paint surface from being scratched, when installing rear wheel house protector assembly.

- (1) Remove 6 plastic nuts from rear wheel house protector.
Torque: $4 \pm 1 \text{ N}\cdot\text{m}$
- (2) Install 4 fixing clips between rear bumper and rear wheel house protector.

21 Before Replace B-pillar Trim Board Assembly

21.1 Removal

Hint:

- Use same procedures for right and left sides.
- Procedures listed below are for left side.

⚠ Caution

- Appropriate force should be applied, when removing B-pillar trim board assembly. Be careful not to operate roughly.
- Try to prevent body paint surface from being scratched, when removing B-pillar trim board assembly.

(1) Using an interior crow plate, pry off the rear door glass run.



(2) Remove 3 fixing screws from B-pillar trim board assembly.



21.2 Installation

⚠ Caution

- Appropriate force should be applied, when installing B-pillar trim board assembly. Be careful not to operate roughly.
- Try to prevent body paint surface from being scratched, when installing B-pillar trim board assembly.

(1) Install B-pillar trim board assembly to a proper position and install 3 fixing screws.
Torque: $1.1 \pm 0.2 \text{ N}\cdot\text{m}$

22 After Replace B-pillar Trim Board Assembly

22.1 Removal

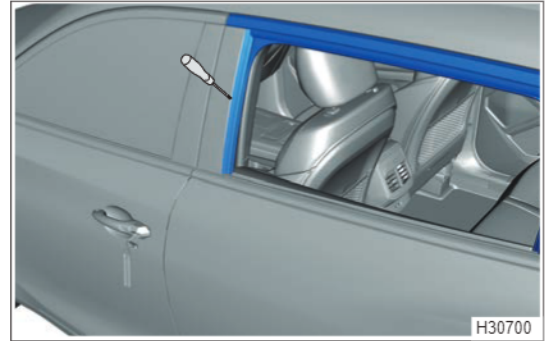
Hint:

- Use same procedures for right and left sides.
- Procedures listed below are for left side.

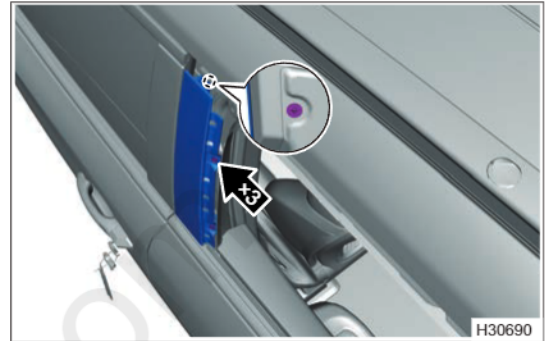
⚠ Caution

- Appropriate force should be applied, when removing B-pillar trim board assembly. Be careful not to operate roughly.
- Try to prevent body paint surface from being scratched, when removing B-pillar trim board assembly.

- (1) Using an interior crow plate, pry off the rear door glass run.



- (2) Remove 3 fixing screws from B-pillar trim board assembly.



22.2 Installation

⚠ Caution

- Appropriate force should be applied, when installing B-pillar trim board assembly. Be careful not to operate roughly.
- Try to prevent body paint surface from being scratched, when installing B-pillar trim board assembly.

- (1) Install B-pillar trim board assembly to a proper position and install 3 fixing screws.
Torque: $1.1 \pm 0.2 \text{ N}\cdot\text{m}$

23 Replace C-pillar Trim Board Assembly

23.1 Removal

Hint:

- Use same procedures for right and left sides.
- Procedures listed below are for left side.

⚠ Caution

- Appropriate force should be applied, when removing C-pillar trim board assembly. Be careful not to operate roughly.
- Try to prevent body paint surface from being scratched, when removing C-pillar trim board assembly.

- (1) Using an interior crow plate, pry off the rear door glass run.



- (2) Remove 3 fixing screws from C-pillar trim board assembly.



23.2 Installation

⚠ Caution

- Appropriate force should be applied, when installing C-pillar trim board assembly. Be careful not to operate roughly.
- Try to prevent body paint surface from being scratched, when installing C-pillar trim board assembly.

- (1) Install C-pillar trim board assembly to a proper position and install 3 fixing screws.
Torque: $1.1 \pm 0.2 \text{ N}\cdot\text{m}$

24 Replace D-pillar Trim Board Assembly

24.1 Removal

Hint:

- Use same procedures for right and left sides.
- Procedures listed below are for left side.

⚠ Caution

- Appropriate force should be applied, when removing D-pillar trim board assembly. Be careful not to operate roughly.
- Try to prevent body paint surface from being scratched, when removing D-pillar trim board assembly.

- (1) Using an interior crow plate, pry off fixing clips from D-pillar trim board assembly.

24.2 Installation

⚠ Caution

- Appropriate force should be applied, when installing D-pillar trim board assembly. Be careful not to operate roughly.
- Try to prevent body paint surface from being scratched, when installing D-pillar trim board assembly.

- (1) Install D-pillar trim board assembly and fix the clip on rear door trim board assembly.

25 Replace Name Plate

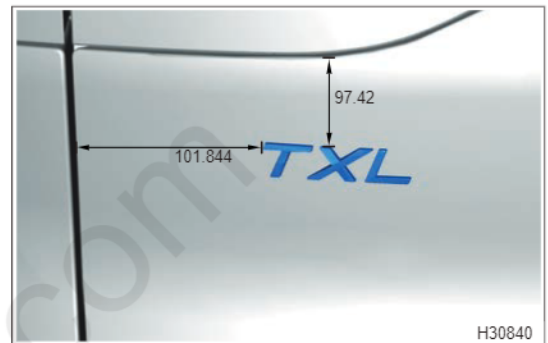
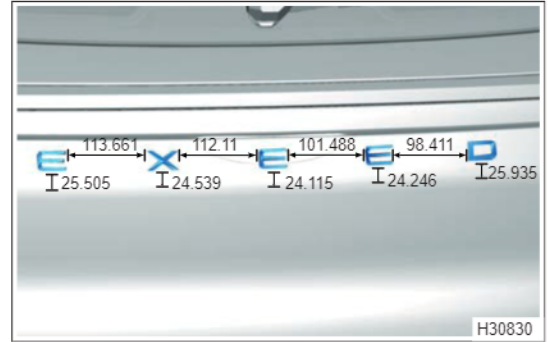
25.1 Removal

⚠ Caution

- The assembly ambient temperature needs to be above 16°C , if it is below 16°C , the name plate needs to be heated.

- (1) Clean the places where back door outer panel may be in contact with 3M glue. Do not allow any dirt to remain, doing so may affect performance of 3M glue.

- (2) Make sure the tape has not failed and clean off release paper on the 3M double-sided tape around name plate, avoid the contact between hands and 3M double-sided tape.
- (3) Dimension unit: mm, dimensional tolerance: ± 2 .



- (4) Attach the name plate to corresponding position; and apply a certain pressure (2 kg/cm²) to preload for 3 seconds.

