

FRONT BUMPER: REMOVAL - REFITTING



Note, one or more warnings are present in this procedure



Special tooling required

Set of trim removal levers.

Car. 1363

Location and specification (tightening torques, parts always to be replaced, etc.) [\(see 55A, Exterior protection, Front bumper assembly: Exploded view\)](#) .

REMOVAL

1. REMOVAL PREPARATION OPERATION

WARNING

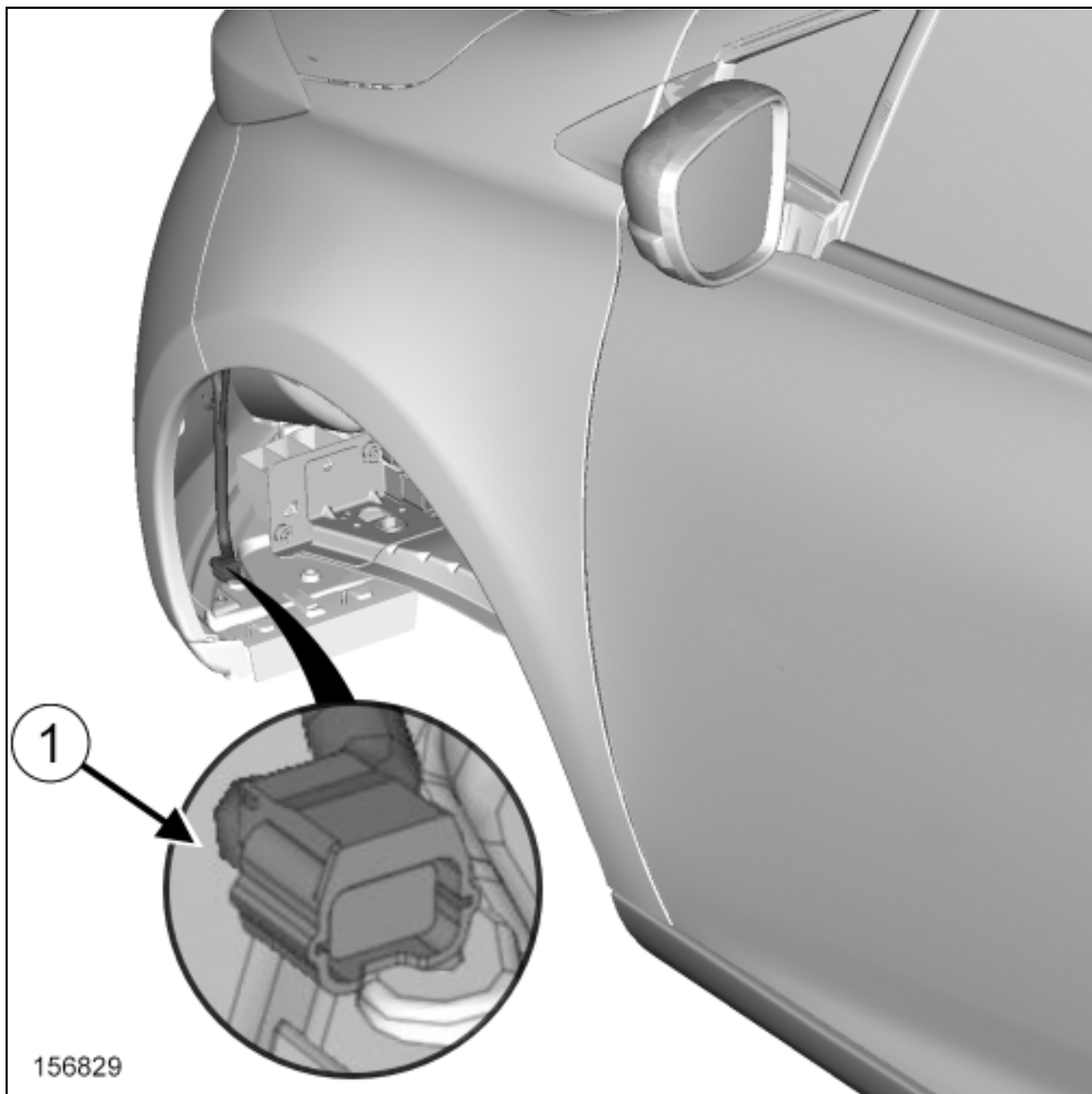
DANGER: Risk of serious injury due to short-circuiting or untimely triggering of an electrical system (pyrotechnic components, windscreen wiper motor, fan assembly etc.) following possible re-supply of the 12-volt supply circuit by the voltage converter.



Please follow the instructions regarding lockout of the 12 V supply circuit.

If the procedure fails, do not continue with your task and ask an employee who is qualified and authorised to work on a high-voltage onboard network to perform fault finding.

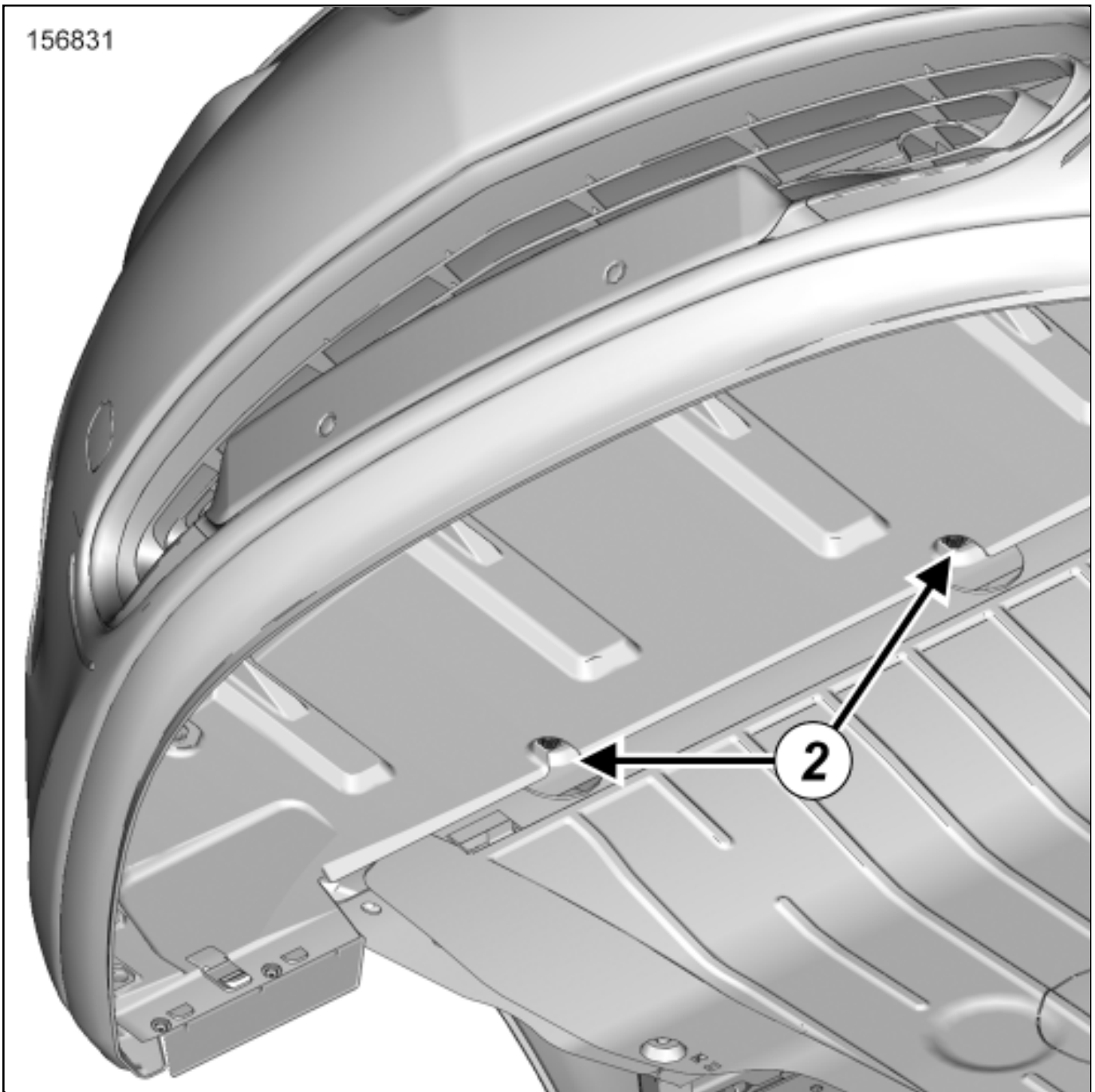
- ❑ Disconnect the 12V supply circuit. [12 V supply circuit : Lockout - Removal of lockout](#)
- ❑ Position the vehicle on a two-post lift [Vehicle: Towing and lifting](#) .
- ❑ Remove the front wheels [Front hub carrier assembly: Exploded view](#) .
- ❑ Remove the front section of the front wheel arch liners [\(see 55A, Exterior protection, Exterior body front trim assembly: Exploded view\)](#) .



- Unclip the front bumper wiring connector.
- Disconnect the front bumper wiring connector(1) .

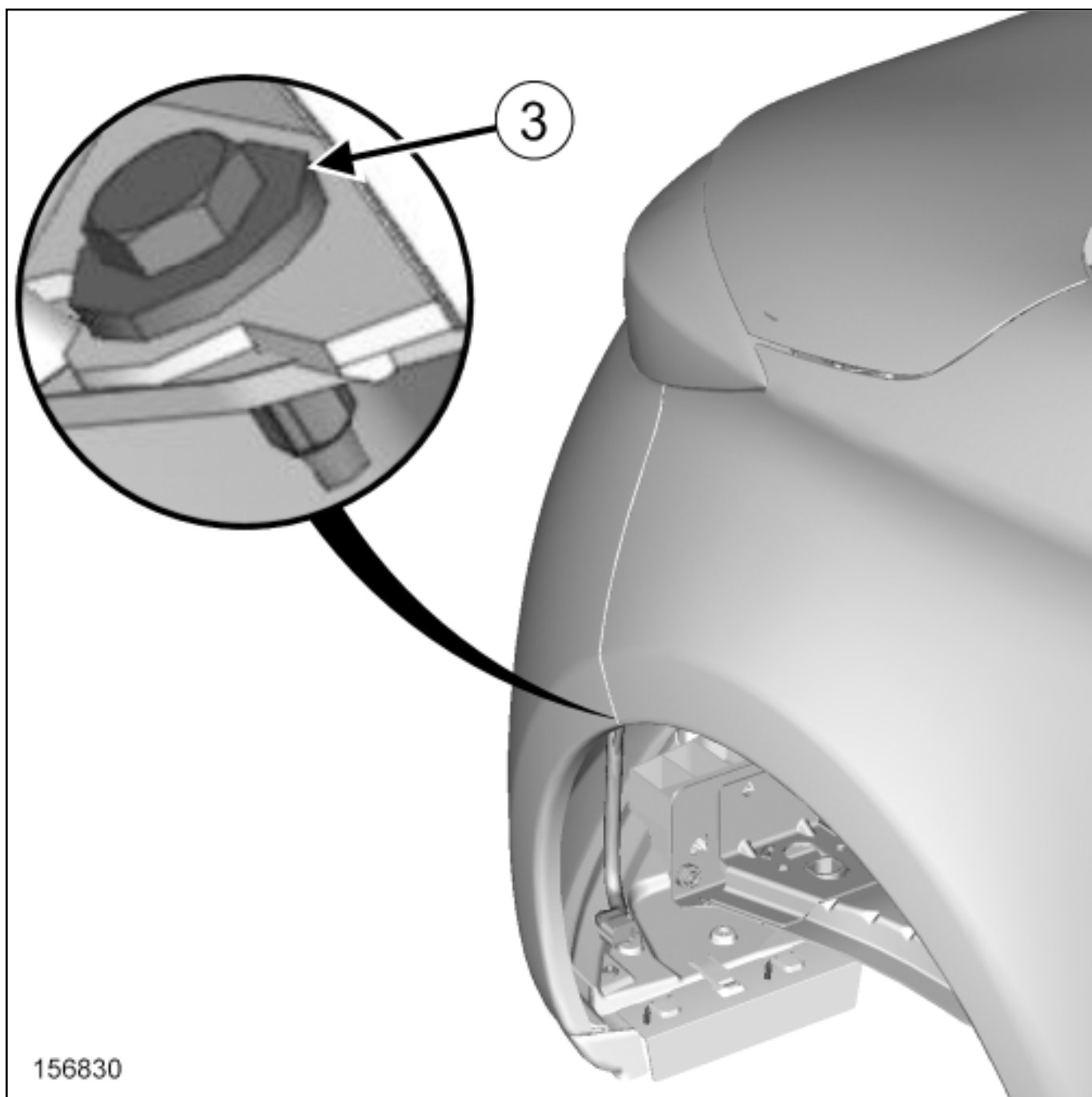
2. REMOVAL OPERATION

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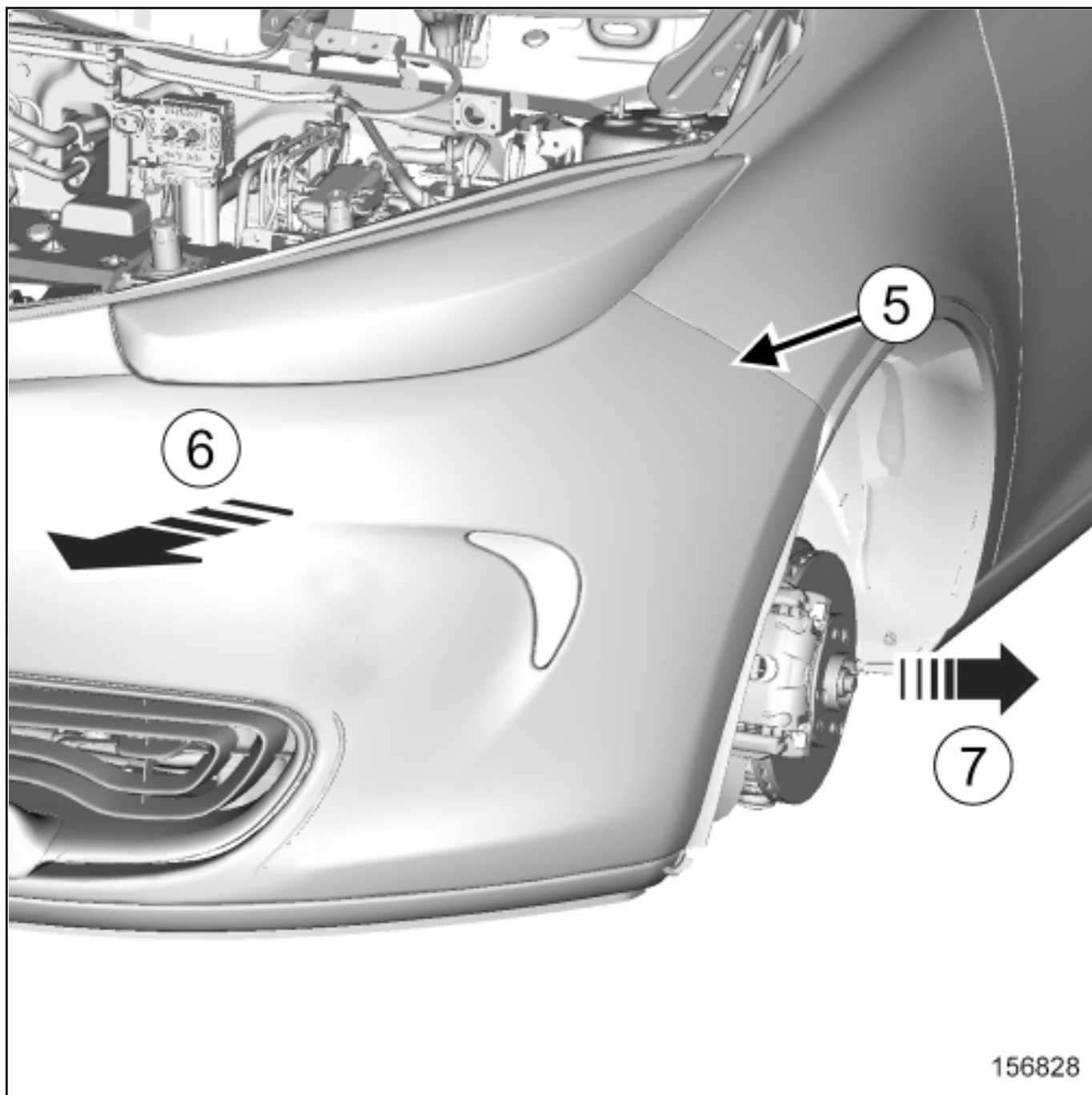
- Remove the front bumper lower convergent bolts(2) .



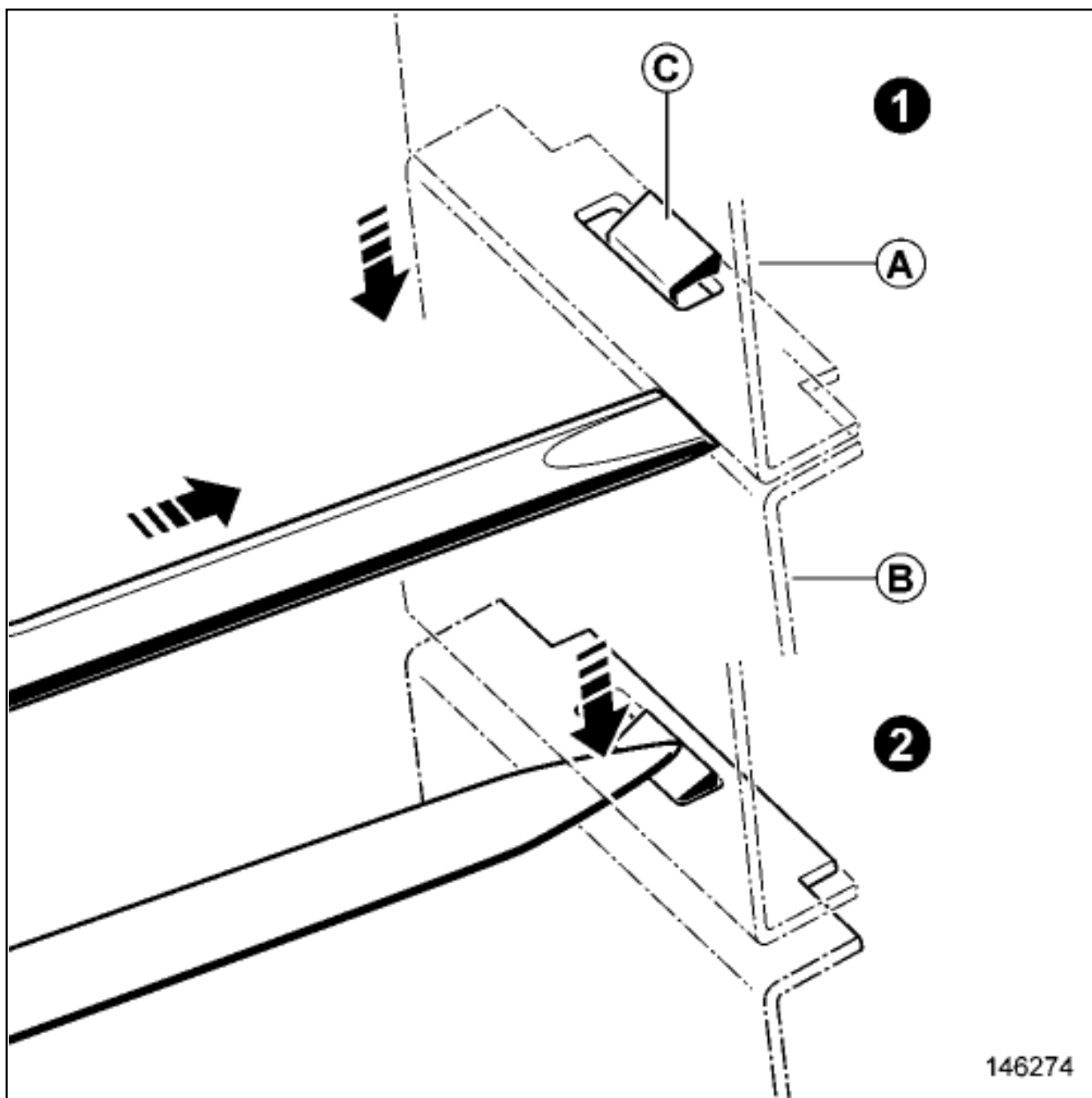
- Remove the side bolt from the front bumper(3) .



Remove the front bumper upper bolts(4) .



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Unclip (5) the front bumper while pressing on the lugs using the toolSet of trim removal levers. (Car. 1363) .



Slightly lift the upper section of the front bumper.



Remove the front bumper following the direction of the arrow(6) , (7)

Remove the front bumper (this operation requires two people).

REFITTING

Proceed in the reverse order to removal.

Carry out a function test.



[Repair-50x05x02-01x37-1-32-1.xml](#)



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FRONT BUMPER ASSEMBLY: EXPLODED VIEW

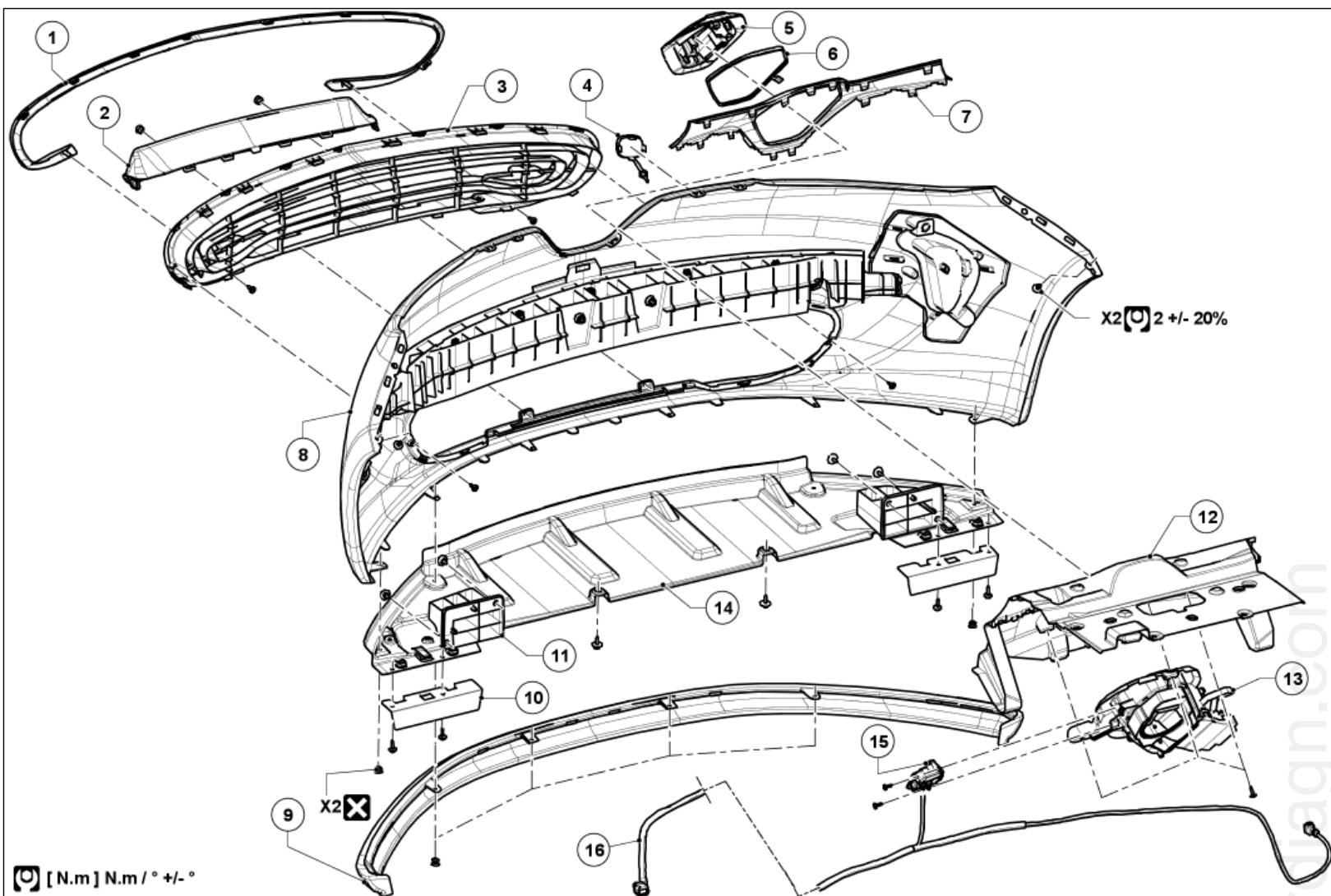


Illustration key: [Description](#) .

For fastenings with no specified tightening torque values, refer to the Table of Standard Torques [Tightening torques: General information](#) .

Marks	Designations	Informations
1	Front bumper lower grille trim	
2	Police sticks support	
3	Radiator grille	Radiator grille: Removal - Refitting@50,07,10,02-01,37-1
4	Towing ring flap	
5	Front badge	Front bumper: Removal - Refitting@50,05,02-01,37-1
6	Seal	
7	Front bumper upper trim	Front bumper: Stripping - Rebuilding@50,05,02-01,31-1
8	Front bumper	Front bumper: Removal - Refitting@50,05,02-01,37-1
9	Spoiler	
10	Aerodynamics element	
11	Front bumper shock absorber	
12	Reinforcement plastron of front bumper	
13	Traction battery charging plug flap on front bumper	
14	Front bumper lower convergent	
15	Charging socket flap locking mecanism	
16	Front bumper wiring	



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FRONT BUMPER: STRIPPING - REBUILDING



parts always to be replaced:



[front bumper rivet](#)

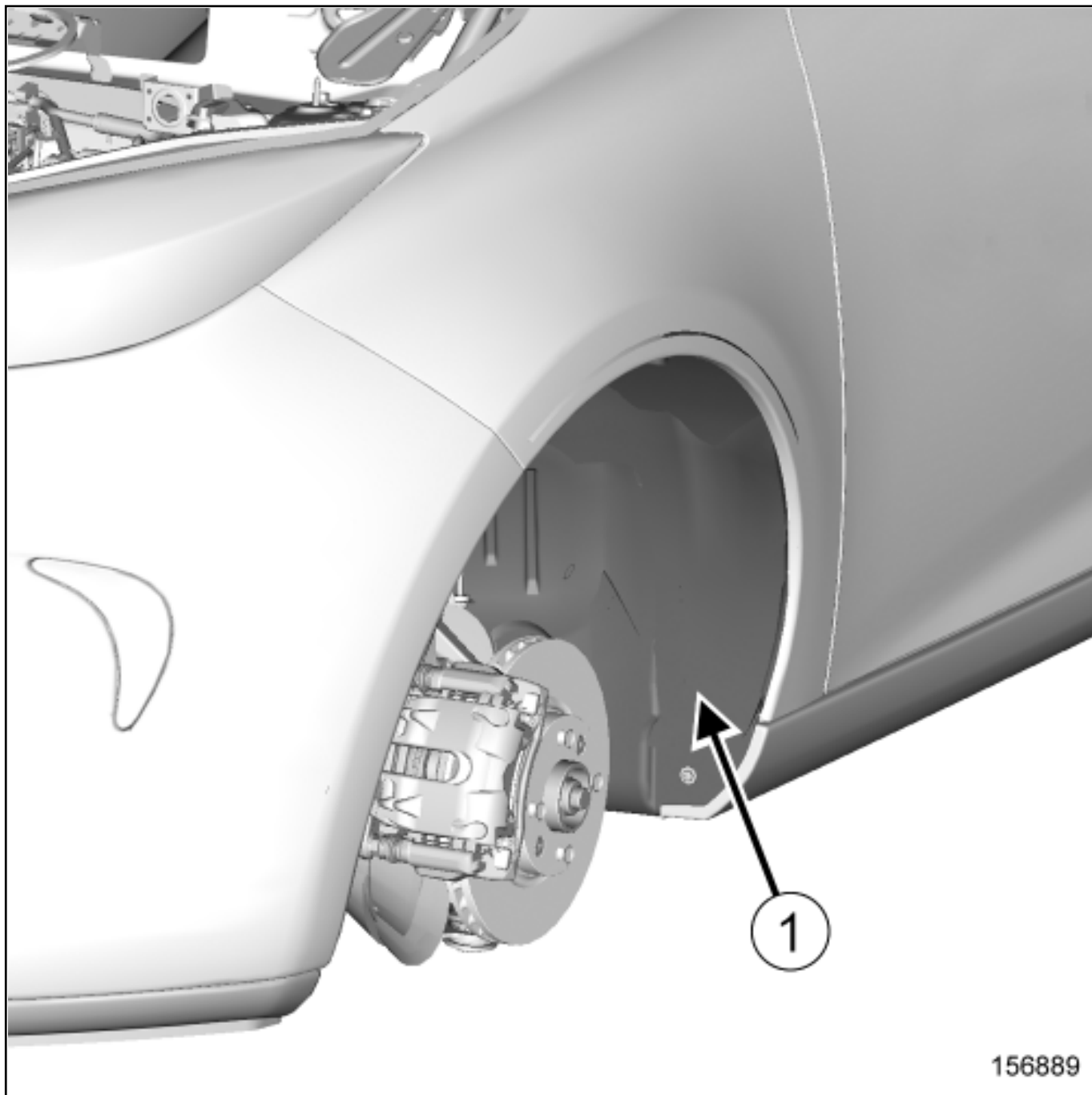
[Front bumper clip](#)

Location and specification (tightening torques, parts always to be replaced, etc.)[\(see 55A, Exterior protection, Front bumper assembly: Exploded view\)](#) .

STRIPPING

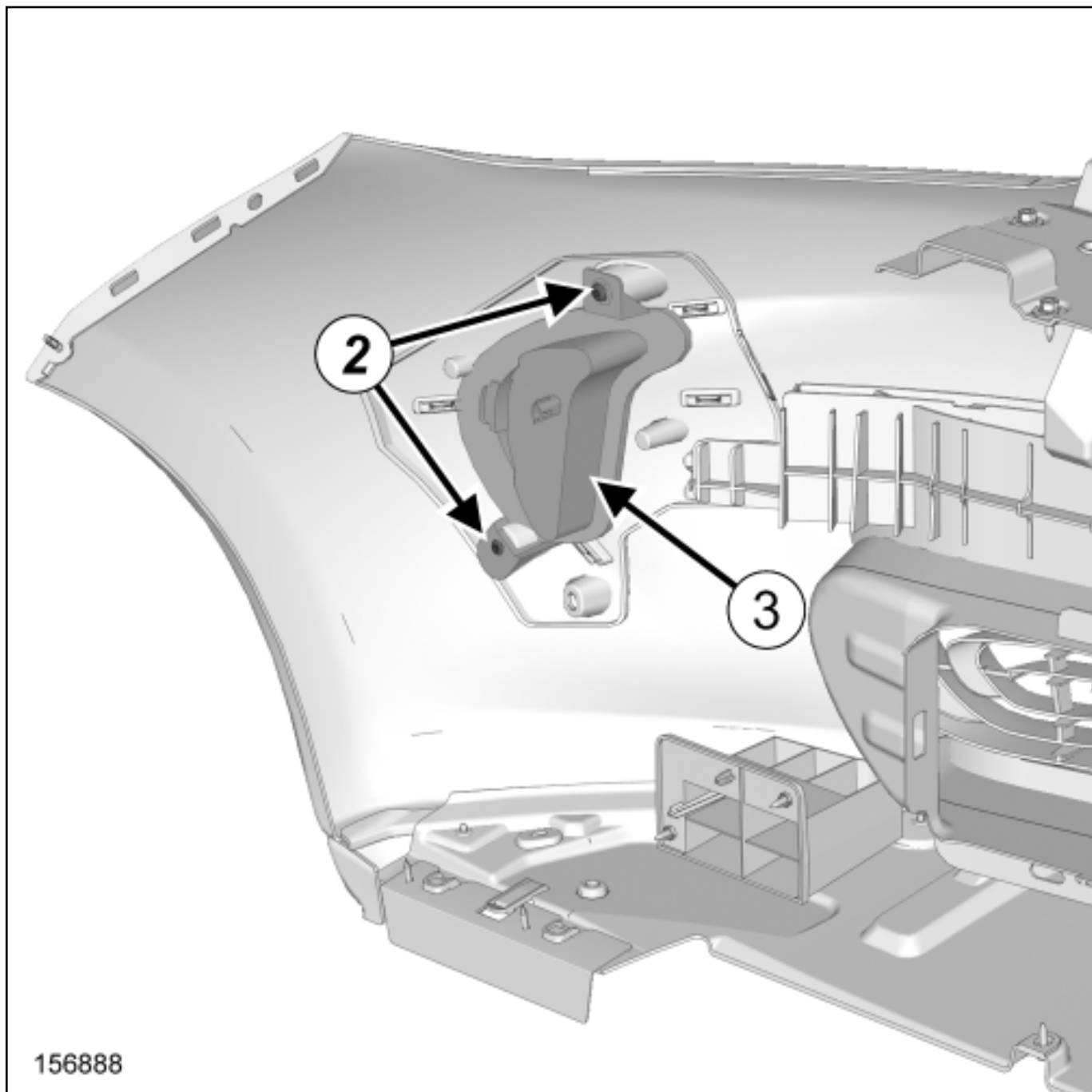
1. STRIPPING PREPARATION OPERATION

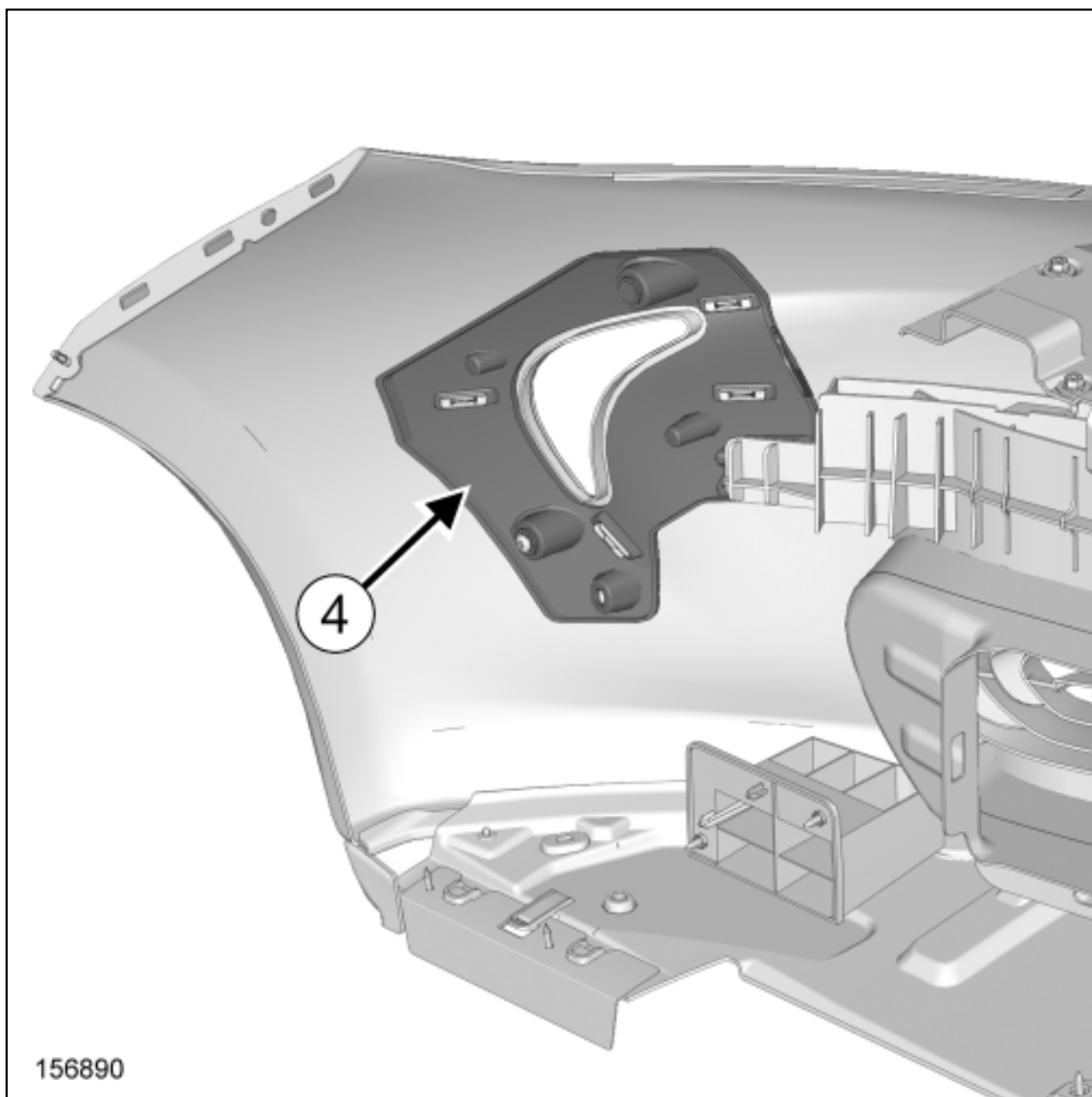
- Position the vehicle on a two-post lift [Vehicle: Towing and lifting](#) .



- Remove:
- the front wheels [Front hub carrier assembly: Exploded view](#) ,
 - the wheel arch liners(1) ([see 55A, Exterior protection, Exterior body front trim assembly: Exploded view](#)) ,
 - the front bumper([see 55A, Exterior protection, Front bumper assembly: Exploded view](#)) .

2. STRIPPING OPERATION

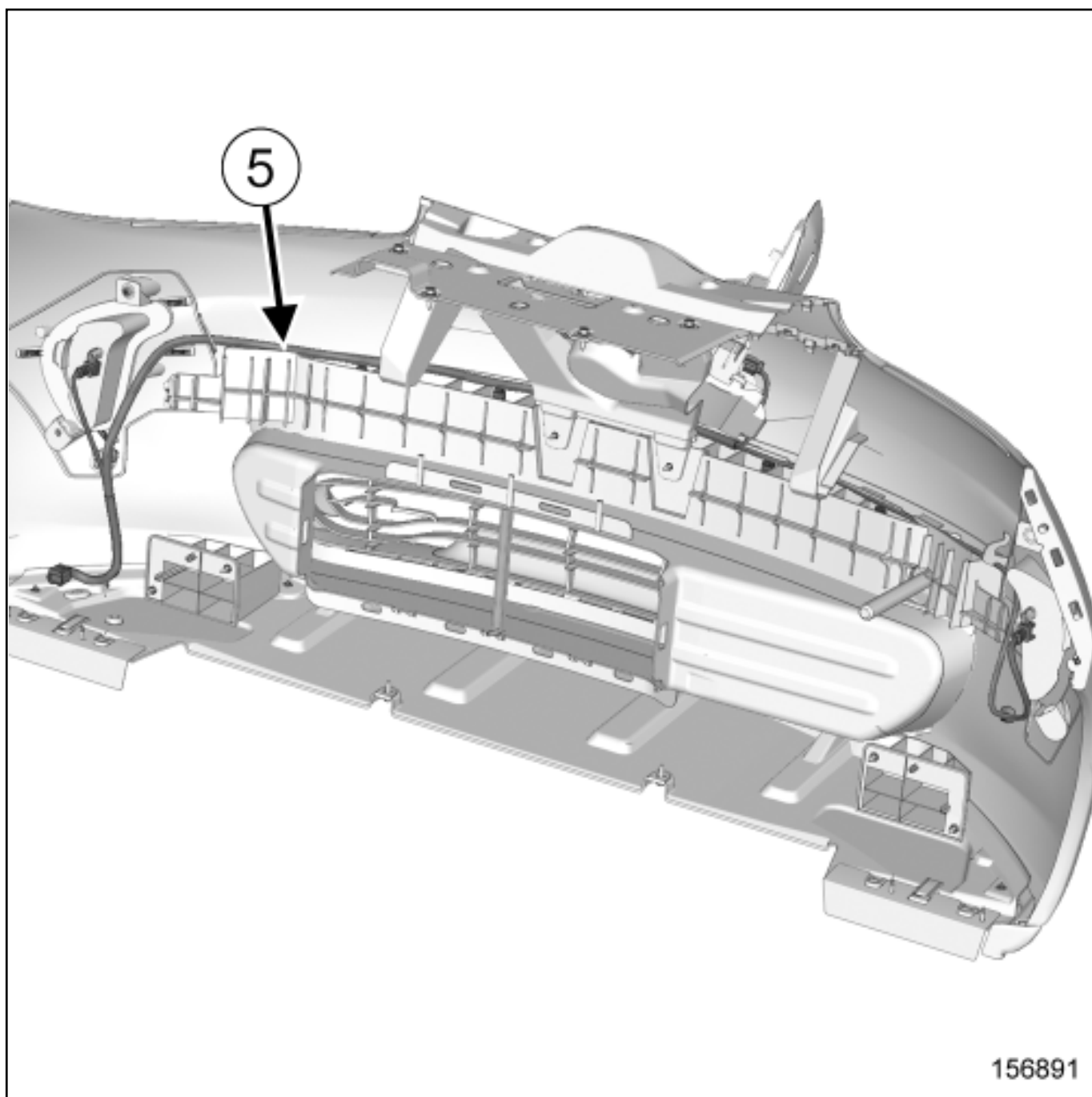




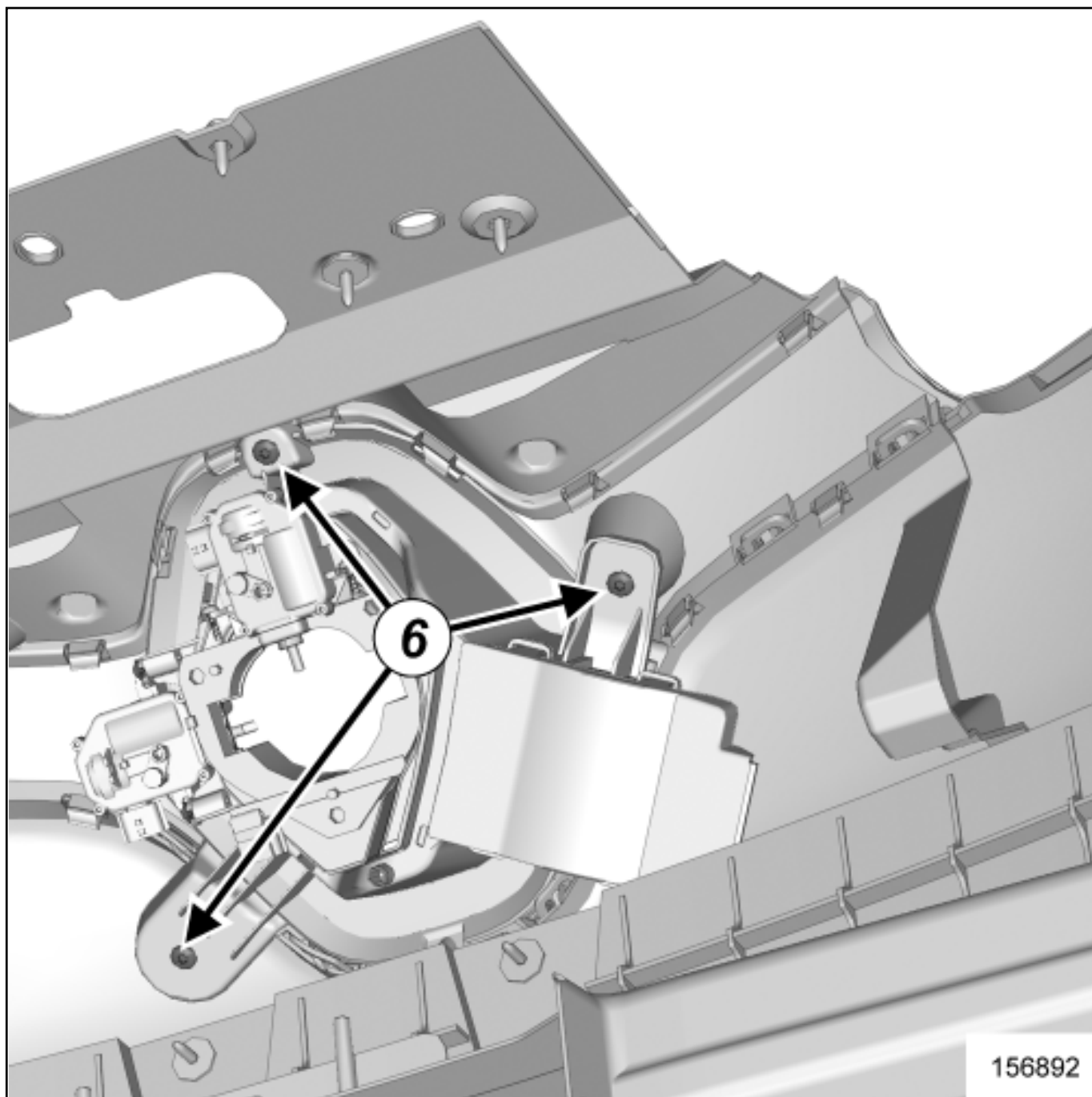
■ Disconnect the daytime running lights connector.

■ Remove:

- the daytime running lights screws(2) ,
- the daytime running lights(3) ,
- the daytime running lights support(4) .



Unclip the front bumper wiring(5) .



Remove ([see 55A, Exterior protection, Front bumper assembly: Exploded view](#)) :

- the shock absorbers,
- the charging socket flap locking mechanism screws(6) ,
- the charging socket flap locking mechanism,
- the front bumper lower grille trim,

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- the number plate support,
- the front bumper lower grille,
- the front badge,
- the front badge seal,
- the front bumper upper trim,
- the reinforcement of the charging socket flap locking mechanism,
- the rivets from the front bumper lower convergent,
- the front bumper lower convergent.

Cut the clips of the aerodynamic element.

Remove the rivets from the aerodynamic element.

Unclip the aerodynamic element.

REBUILDING

1. REBUILDING PREPARATION OPERATION

parts always to be replaced:



front bumper rivet





parts always to be replaced:

Front bumper clip

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2. REBUILDING OPERATION



Proceed in the reverse order to removal.



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