

Installation instructions, accessories

Volvo Car Corporation Gothenburg, Sweden

Instruction No 32147432
Version 1.1
Part. No. 31650463, 32147429

Protective plate, beneath the engine

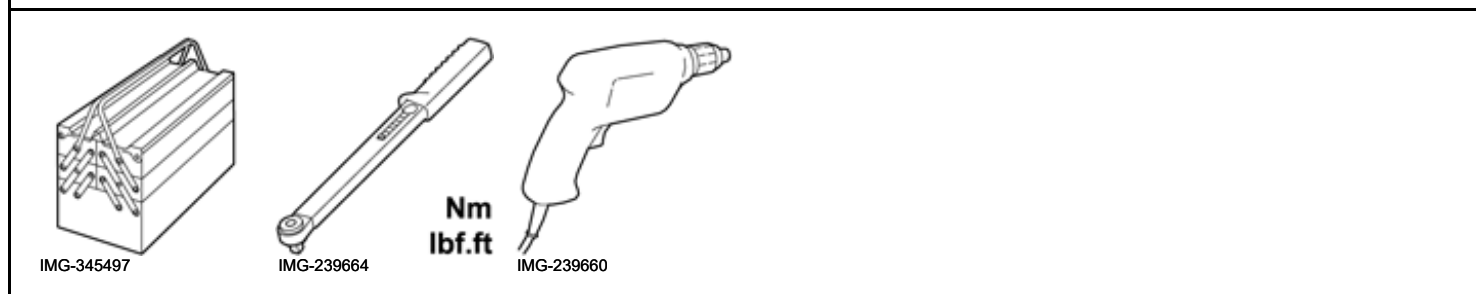
Special tools

	981 4112 Drill Tool number:981 4112 Tool description:Drill Tool boards:EU99
	951 2782 Rivet nut tool Tool number:951 2782 Tool description:Rivet nut tool Tool boards:08

Materials

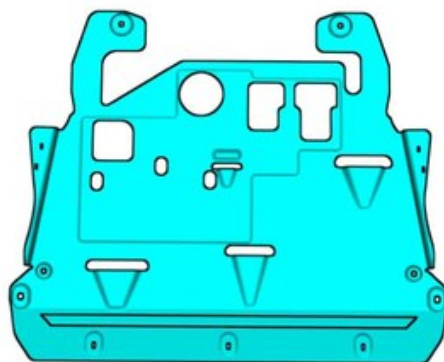
Designation	Part number
Rust inhibitor, low viscosity	
Butyl tape	

Equipment



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IMG-462665

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Information

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Read through all of the instructions before starting installation.

Notifications and warning texts are for your safety and to minimise the risk of something breaking during installation.

Ensure that all tools stated in the instructions are available before starting installation.

Certain steps in the instructions are only presented in the form of images. Explanatory text is also given for more complicated steps.

In the event of any problems with the instructions or the accessory, contact your local Volvo dealer.

Color symbols

2



IMG-363036

Note!

This colour chart displays (in colour print and electronic version) the importance of the different colours used in the images of the method steps.

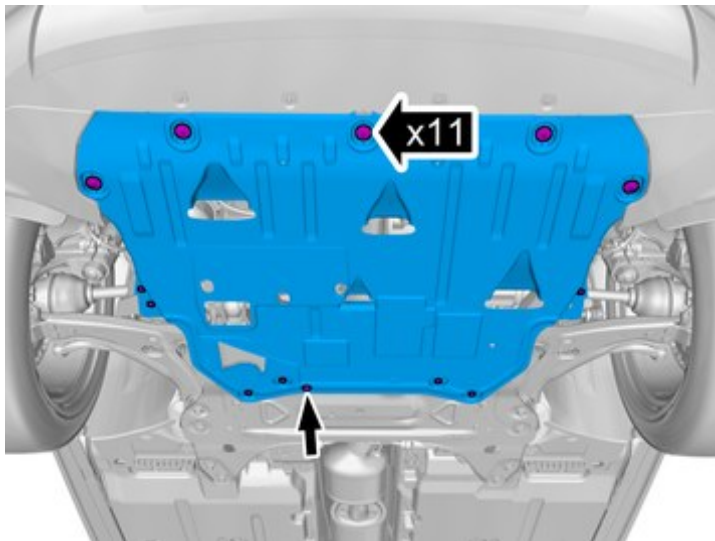
1. Used for focused component, the component with which you will do something.
2. Used as extra colors when you need to show or differentiate additional parts.
3. Used for attachments that are to be removed/installed. May be screws, clips, connectors, etc.
4. Used when the component is not fully removed from the vehicle but only hung to the side.
5. Used for standard tools and special tools.
6. Used as background color for vehicle components.

Removal

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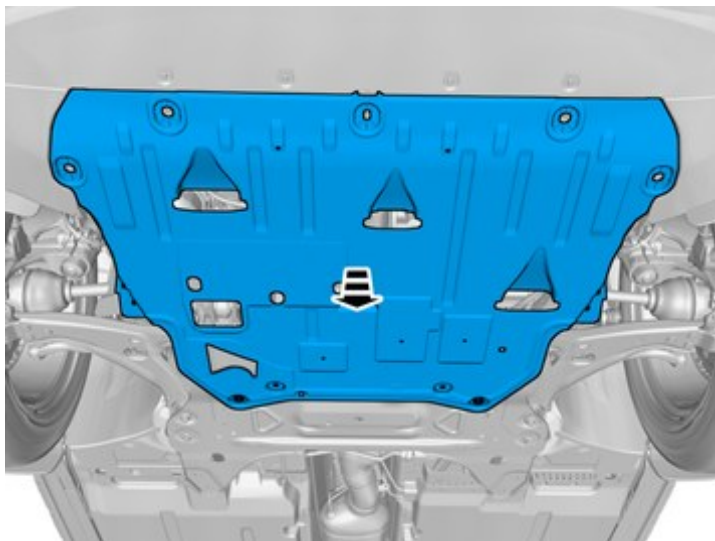
IMG-452103

1. Remove the screws.

2. Remove the clip.

The part is not to be reused.

4



IMG-452211

Remove the marked part.

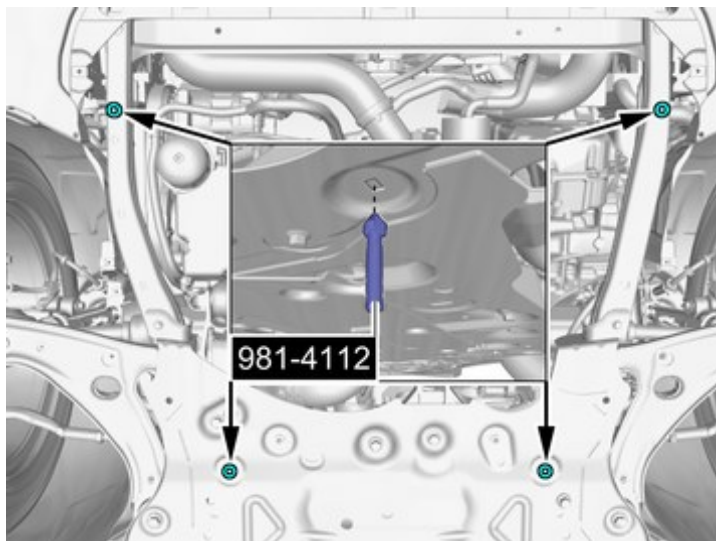
The part is not to be reused.

Accessory installation

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IMG-452222

Warning!

Wear protective gloves.

Warning!

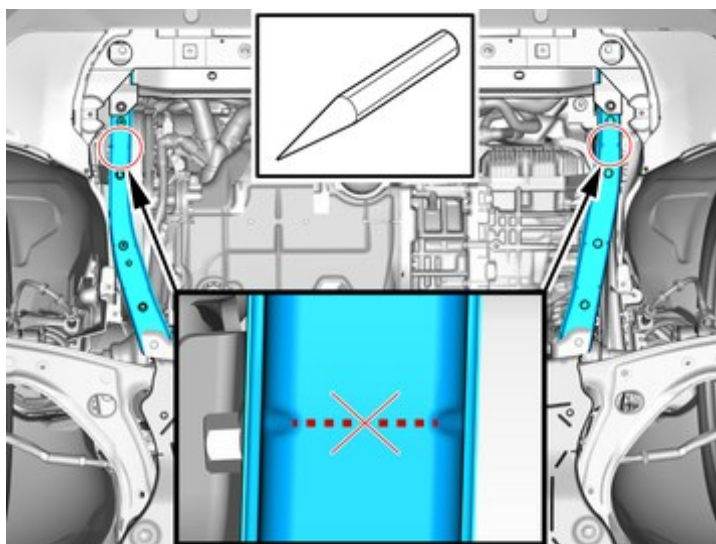
Wear safety goggles.

Drill the holes.

Use special tool: T9814112, Drill

Applies to vehicles without predrilled holes.

6



IMG-474610

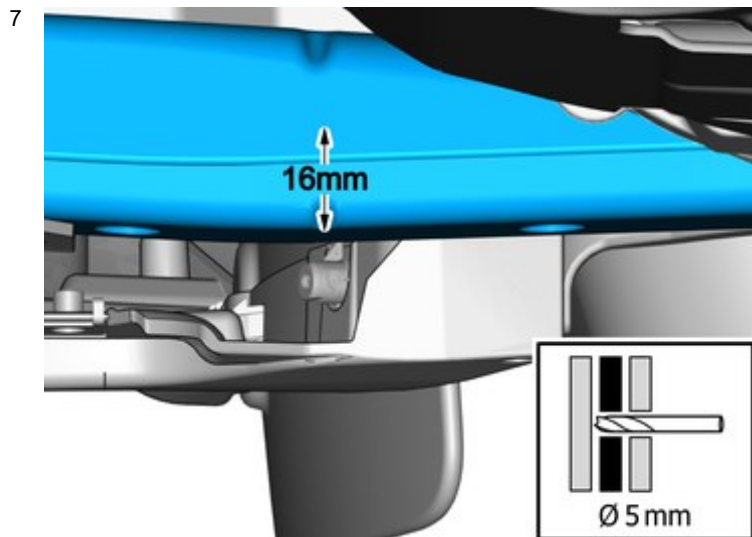
Note!

Make marks with a centre punch for drilling.

Measure and mark out the centre.

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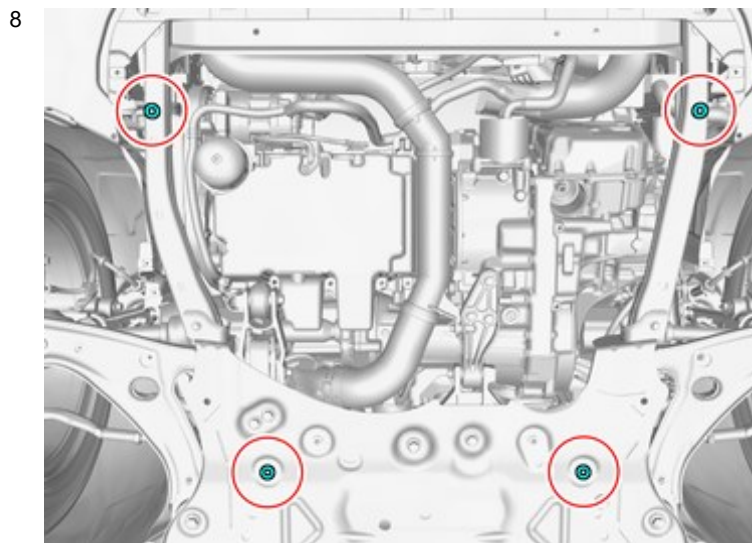
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Use a drill with the stated size

Drill first two layer only, use 5 mm drill

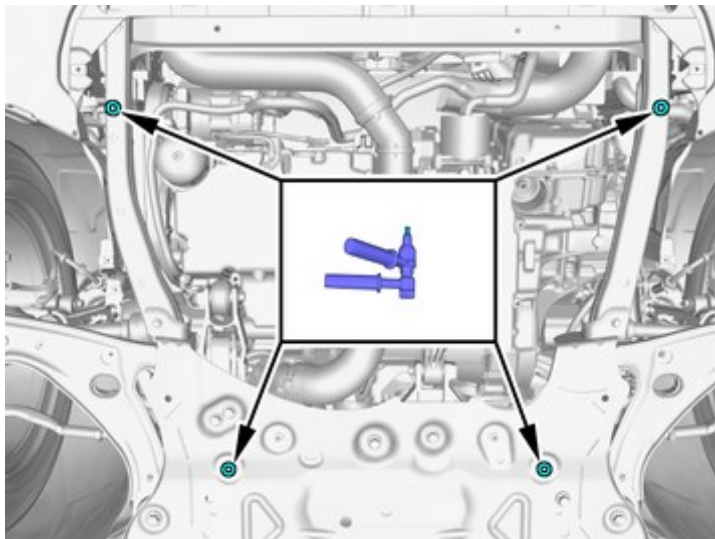


Use: , Rust inhibitor, low viscosity

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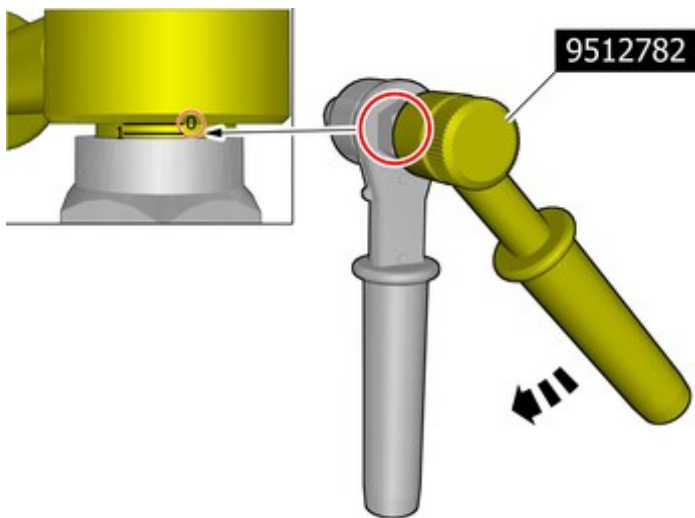


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Note!

Orientation view

10



IMG-372305

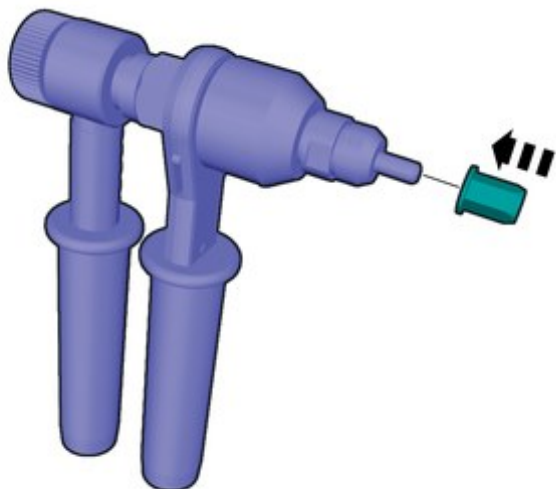
Use special tool: T9512782, Rivet nut tool

Reset the tool.

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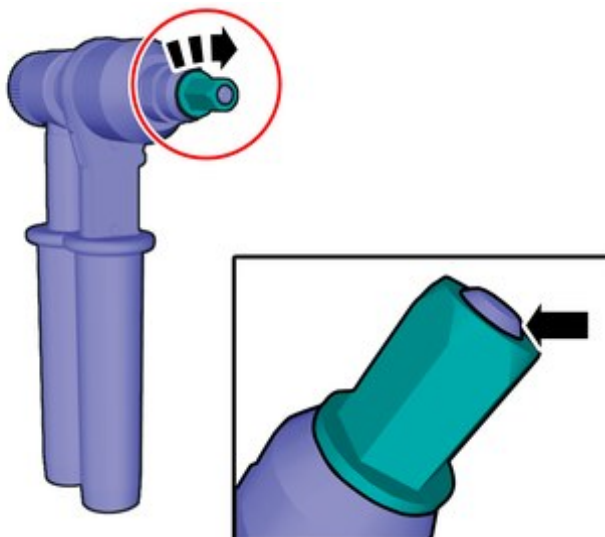
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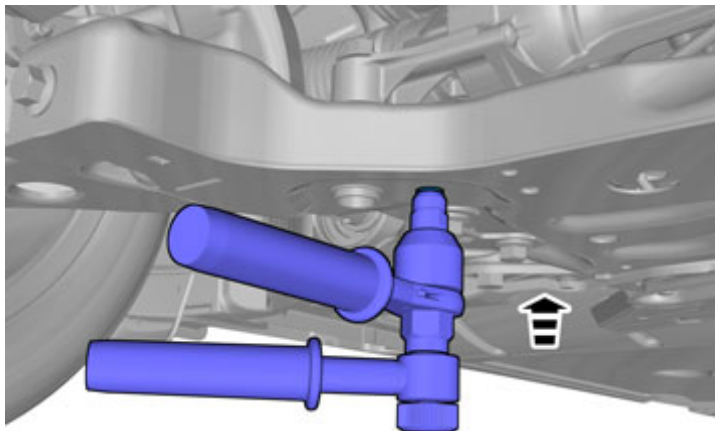
Use hands only.

The outermost thread of the tool should be flush with the rivet nut end.

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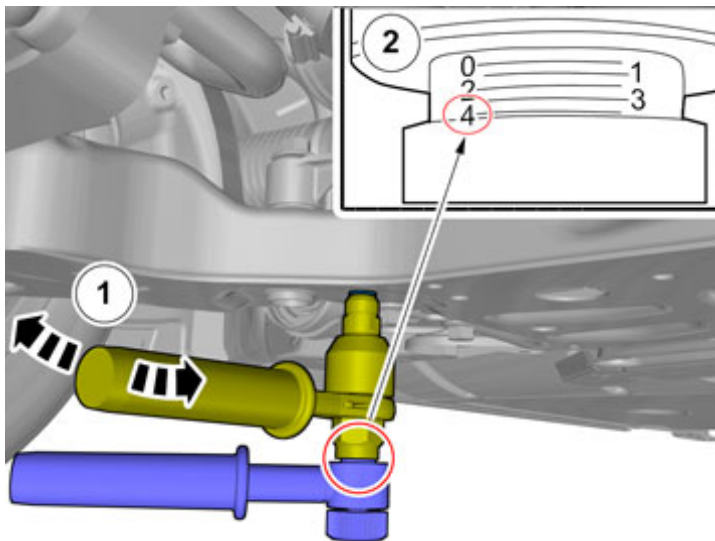


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Press the tool against the surface.

Hold the tool at right angles to the surface.

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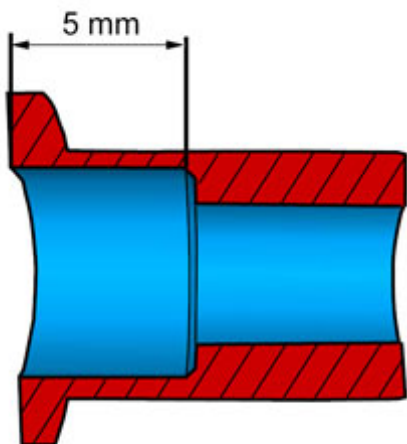
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Tighten to the value stated.

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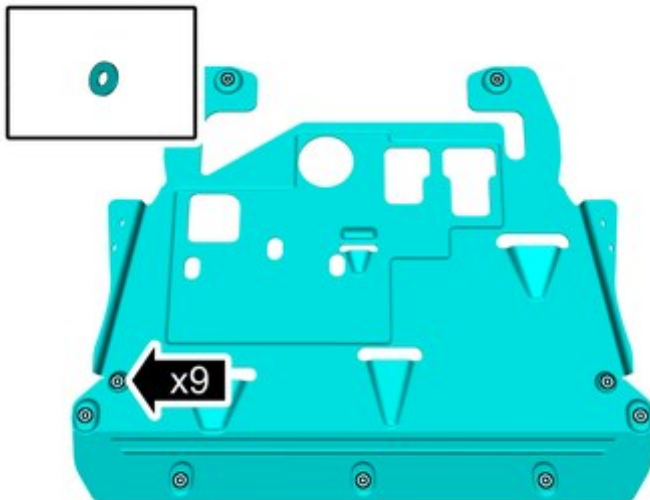


Measure

Use: Vernier caliper

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Install components that come with the accessory kit.

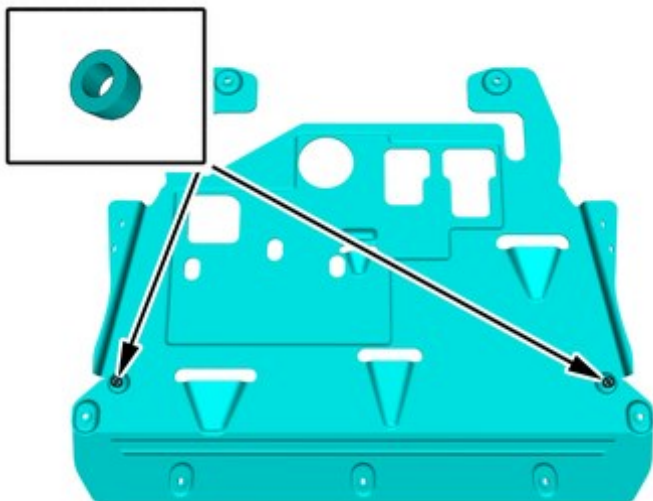
Use: , Butyl tape

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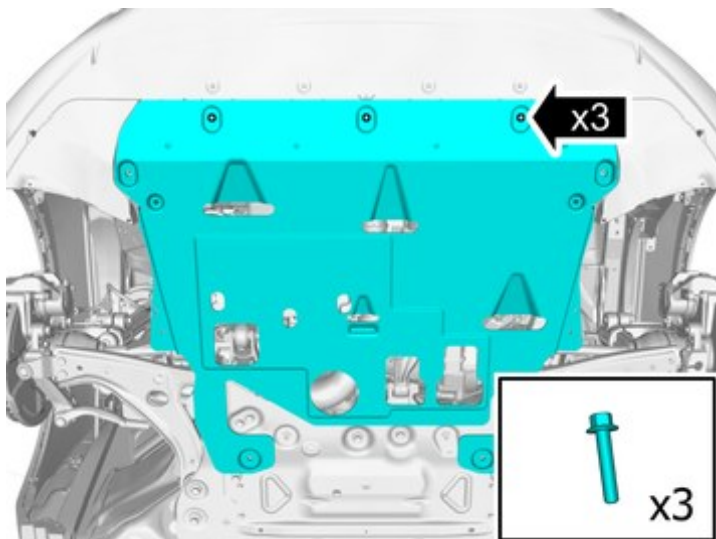


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Install components that come with the accessory kit.

Use: , Butyl tape

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IMG-454473

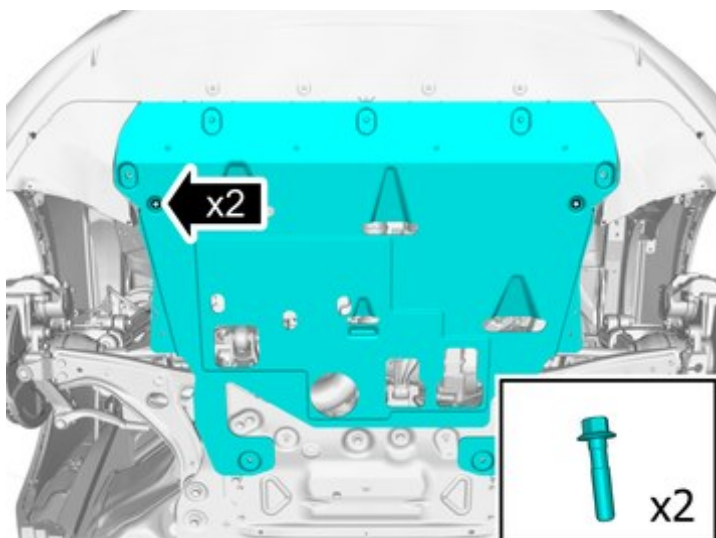
Install components that come with the accessory kit.

Tightening torque: M6 , 10 Nm

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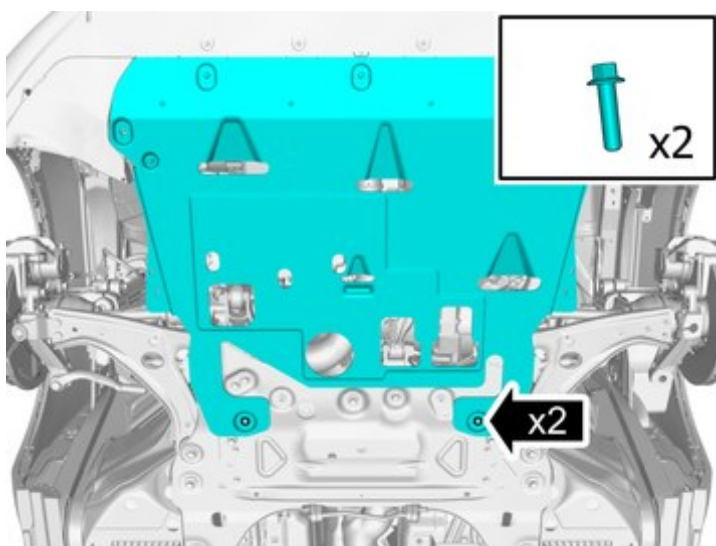


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Install components that come with the accessory kit.

Tightening torque: M8 , 24 Nm

20



IMG-454476

Install components that come with the accessory kit.

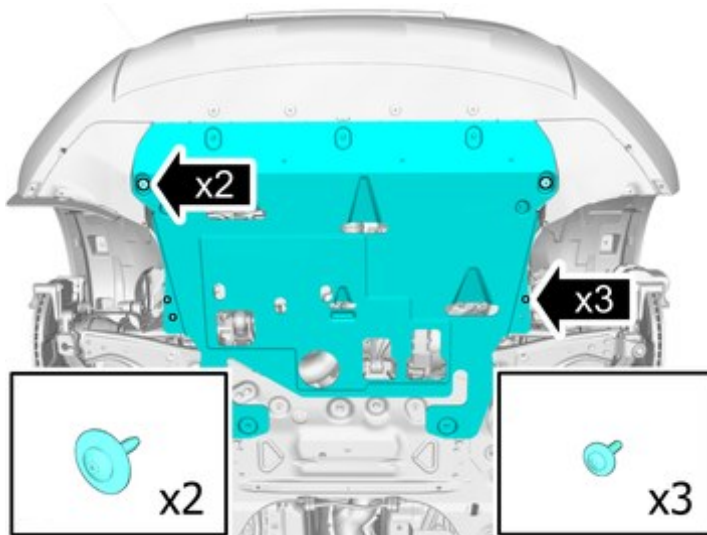
Tightening torque: M8 , 24 Nm

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Tighten the bolts.



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Installation

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Reinstall the removed parts in reverse order.