



DISMANTLING CATALOG

GAZelle – Next VAN

Introduction

This dismantling catalog is a preparation guidance of the LCV “GAZelle Next Van” for recycling, drain and extraction of non-metallic components, suitable for recycling and recovery at the end of life. The document provides information on the necessary equipment, type of fasteners used in construction, safety measures and complexity of the process.

Safety requirements

During the work is allowed to use equipment and tools that are functionally similar to those in the instructions, the usage of which will provide the required (or better) performance and safety.

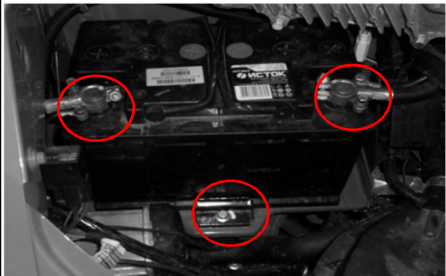

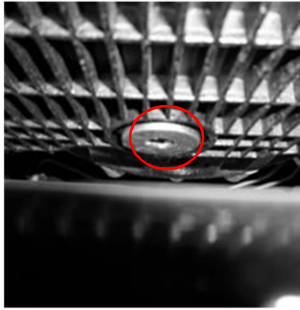
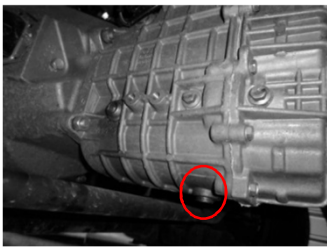
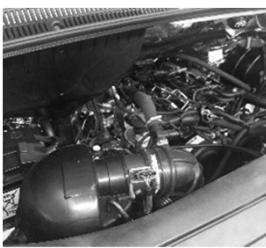
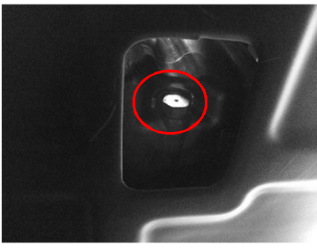
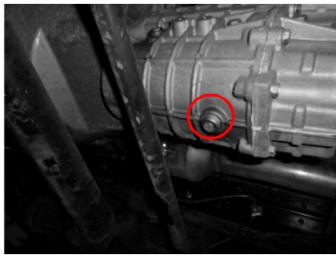
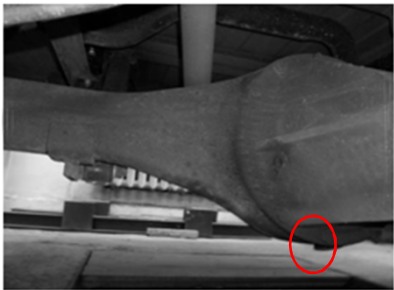
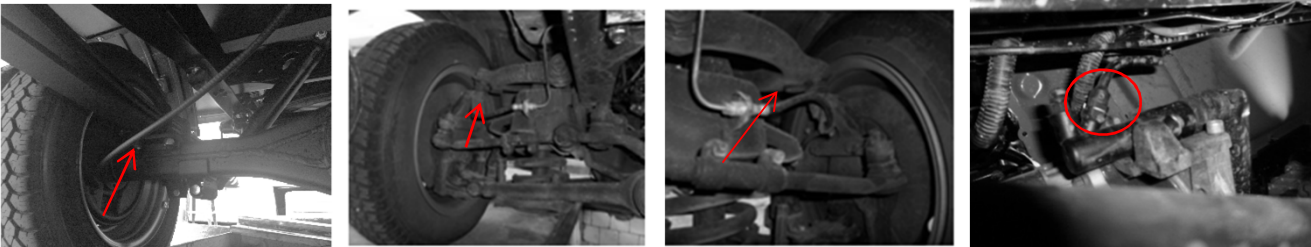
To carry out the dismantling process at least two workers are required.

ATTENTION!

Implementing the operations it is necessary to use personal protective equipment (bench suit/overalls, gloves, goggles). When draining fluids additionally use a rubber apron, rubber gloves, sleeves/cuffs. Do not allow fluids to drain out of the special packaging. Each type of fluid is necessary to be drained in a special individual packaging.

In order to avoid actuating of airbag system do not hit the steering wheel, dashboard and system control unit.

Obligatory dismantling:

1	2	3
	<p>Cummins engine</p>  	
	<p>Volkswagen engine</p>  	
4	5	
		

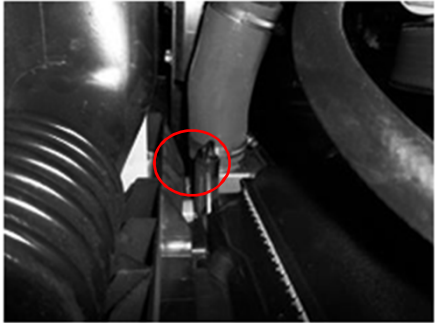
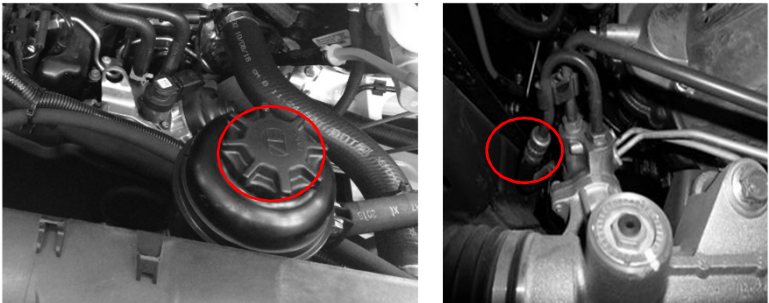
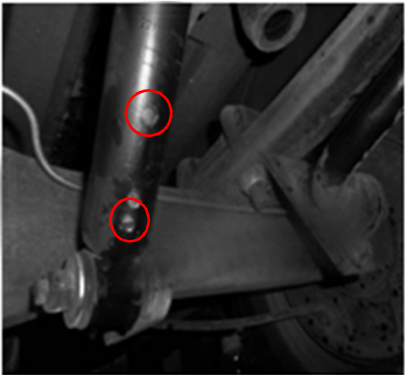

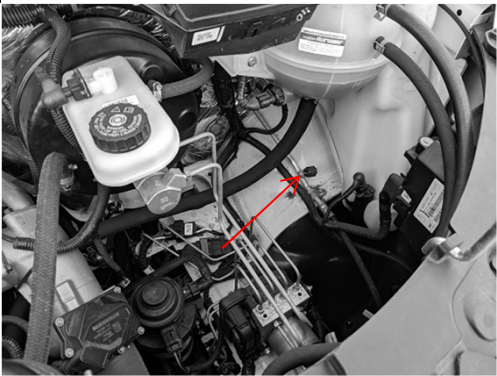
Obligatory dismantling:

№	Name of the component	Amount, amt.	Weight, g	Removal time	Component's fasteners	Tools	Method of dismantling
1	Rechargeable Battery 75 Ah filled and charged	1	16754	2min 12 sec	Bolt 10 – 3 pcs.	- Removable head / wrench 10	- Loosen the screws of terminals - Loosen the fastening - Remove
2	Motor oil (Cummins engine)		4500	8 min 30 sec	Plug	- Key tetrahedral L-shaped 13 mm. - Capacity of a minimum 5 liters	- Unscrew the plug of the engine oil filler - Unscrew the plug of the engine undertray - Pour into a container
	Motor oil (Volkswagen engine)		7180	7 min 30 sec		- Key tetrahedral L-shaped 13 mm. - Capacity of a minimum 8 liters	
3	Transmission oil (gearbox)		1080	8 min	Plug	- Allen wrench 12 - Capacity of a minimum 6 liters	- Unscrew the filler plug - Unscrew the drain plug - Pour into a container
4	Transmission oil (rear axle)		3000	6 min 18 sec	Plug	- Allen wrench 12 - Capacity of a minimum 6 liters	- Unscrew the filler plug - Unscrew the drain plug - Pour into a container
5	Brake fluid (brakes and clutch)		890	3 min 12 sec		- Knife - 3 tanks of at least 1 liter each	- Release the brake fluid reservoir cap - Trim the brake hoses of front wheels and rear contour - Cut the pipe of the hydraulic clutch - Pour into the tanks

Obligatory dismantling:



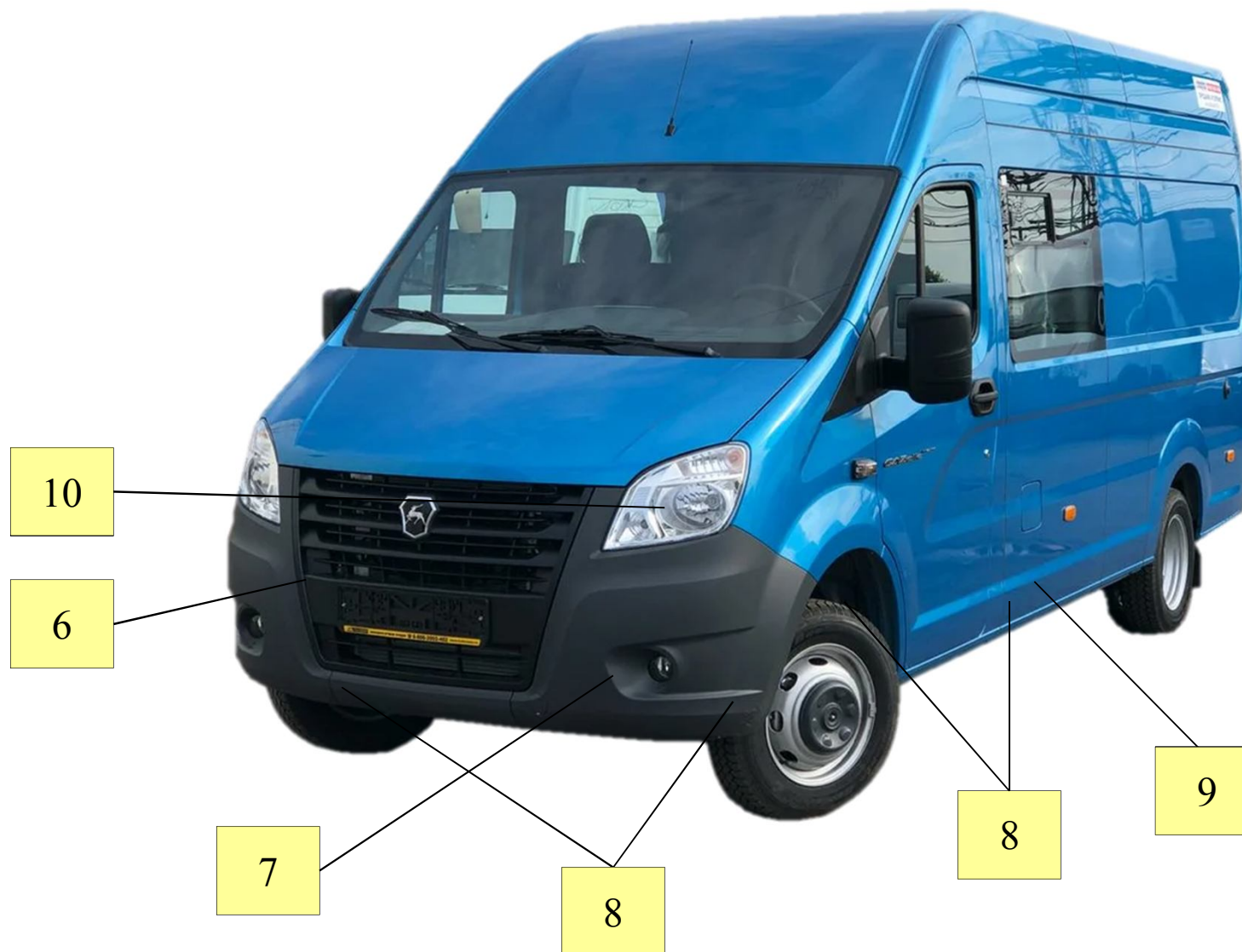
Obligatory dismantling:

6	7	8
		
9	10	
		

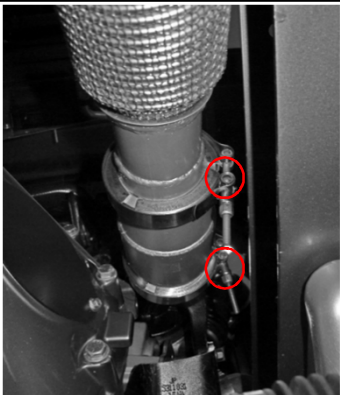


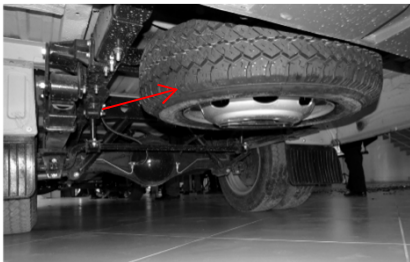
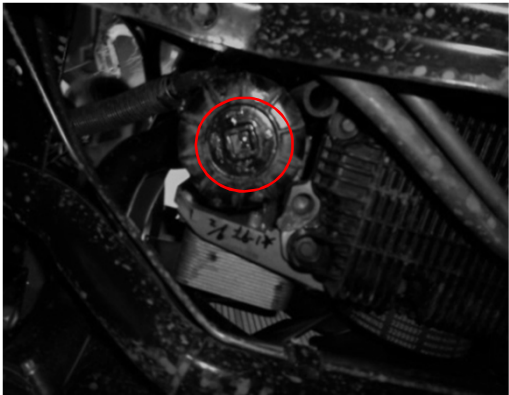

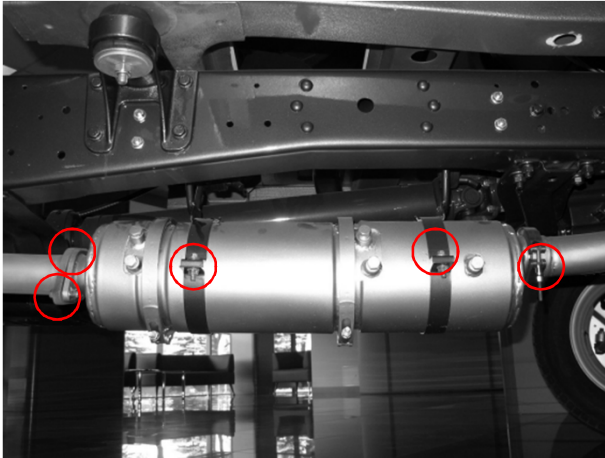
Obligatory dismantling:

№	Name of the component	Amount, amt.	Weight, g	Removal time	Component's fasteners	Tools	Method of dismantling
6	Antifreeze (Cummins engine)		14170	15 min	Plug	- Capacity of a minimum 15 liters	- Unscrew the expansion tank cap - Remove the radiator plug - Pour into a container
	Antifreeze (Volkswagen engine)		13080	15 min			
7	Oil (power steering system)		1500	4 min		- Knife - Jack - Capacity of a minimum 2 liters	- Unscrew the power steering tank cap - Cut the hose of one of the contours of power steering pump - Pour into the container by turning the steering wheel from stop to stop at least 3 times
8	Suspension fluid (front and rear suspension shock absorbers)	4	146	5 min 20 sec		- Electric drill - Drill with a 5 mm diameter - Capacity of a minimum 1 liter	- Drill two holes in the shock absorber at a distance of 60 and 20 mm from the bottom edge - Pour into a container
9	Fuel (fuel tank)		53760	5 min 30 sec		- Awl 0.5-20 mm. - Capacity of a minimum 70 liters	- Make a hole in the fuel tank - Drain the fuel
10	Refrigerant		500	2 min		- Station for filling and recovery of refrigerant for car air conditioners	- Drain the refrigerant

Obligatory dismantling:

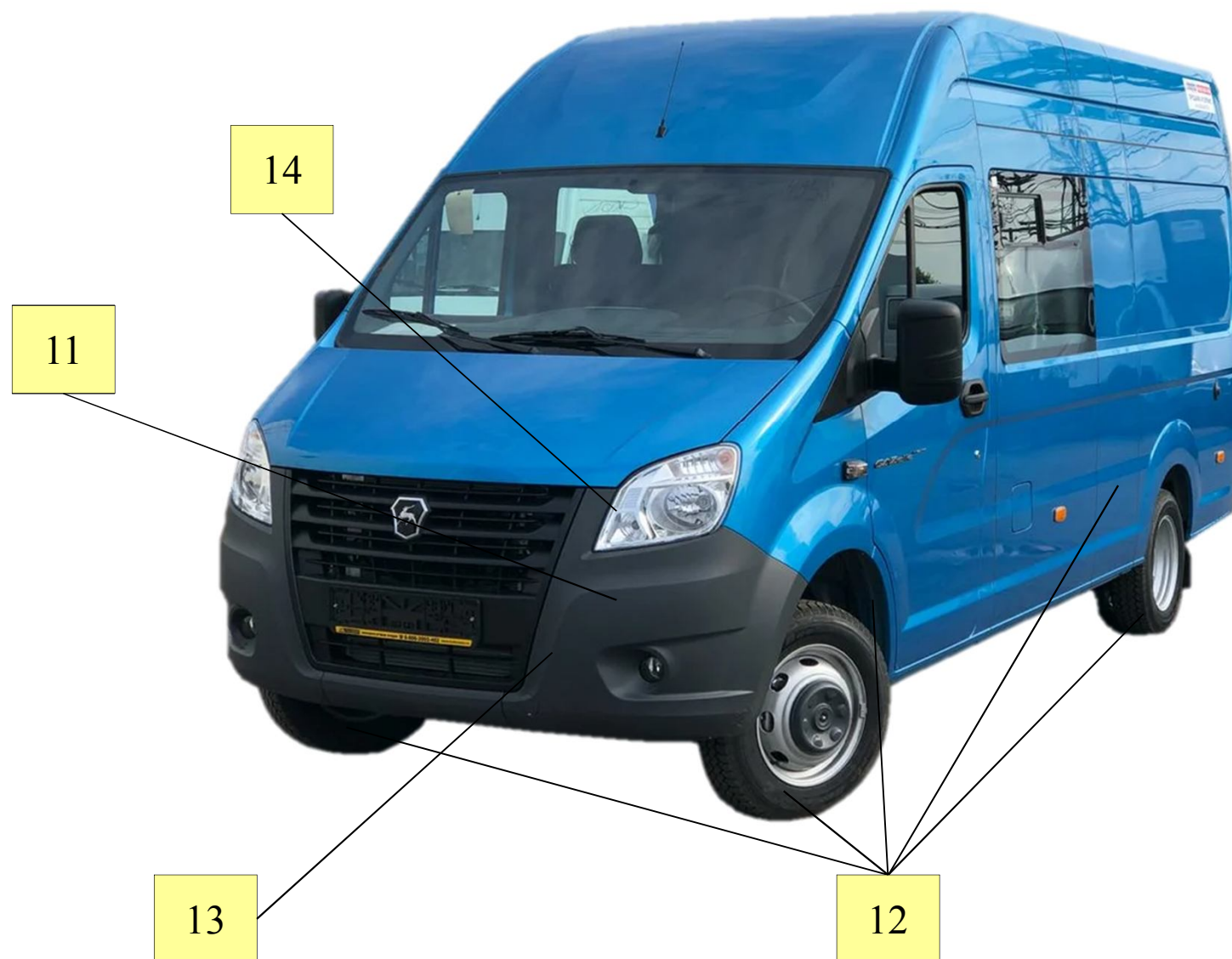


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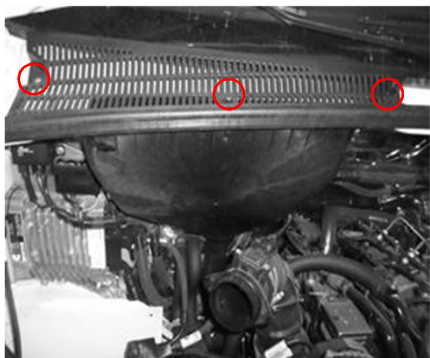



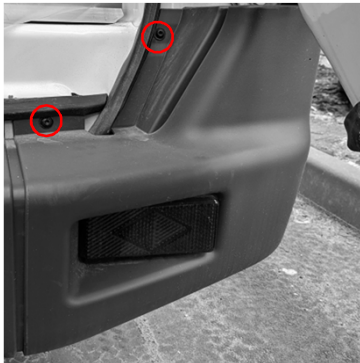
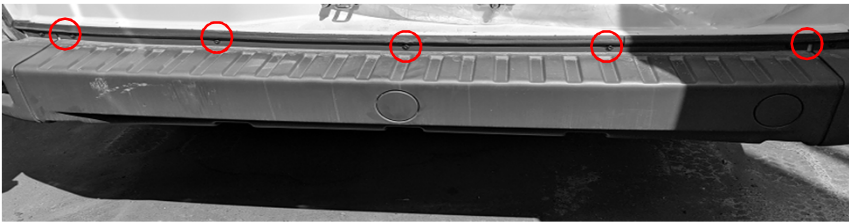
11	12		
			
13		14	
<p>Cummins engine</p> 	<p>Volkswagen engine</p> 		

Obligatory dismantling

№	Name of the component	Amount, amt.	Weight, g	Removal time	Component's fasteners	Marking component	Tools	Method of dismantling
11	Startup neutralizer	1	2800	3 min	Clamp – 2 pcs.		- Wrench 10	- Loosen the fastening - Remove
12	Front tires	7	11784	4 min 30 sec	Bolt 14 - 1 pcs. Nut 27 - 6 pcs.		- Removable head 14 - Wheelbrace 27 - Jack - Equipment for tires removal	- Loosen the fastening - Remove the wheel - Remove tire
	Rear tires			4 min 40 sec	Nut 27 – 6 pcs.			
13	Oil filter (Cummins engine)	1	800	2 min			- Key tetrahedral L-shaped 8mm.	- Remove the filter
	Oil filter (Volkswagen engine)		915	3 min	Bolt - 8 pcs.	PA66+33GF	-Spring clamp puller -Removable head 6-point TORX -Removable head 12-point TORX	- Remove branch pipes - Loosen the fastening - Remove
14	Particulate filter	1	14810	4 min	Clamp – 3 pcs. Bolt 12 – 2 pcs. Nut 15 – 2 pcs.		-Wrench 10 - Removable head 10 - Removable head 12 - Removable head 13 - Removable head 15	- Loosen the fastening - Remove



Recommended dismantling: Exterior - polymers

15	16	17
		
18	19	20
		

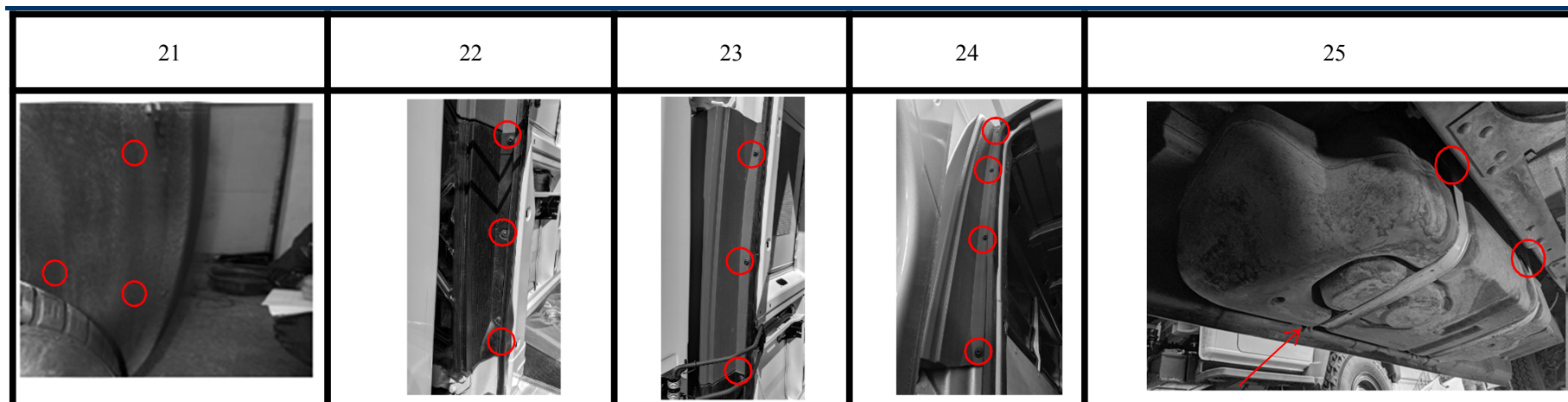
Recommended dismantling: Exterior - polymers

№	Name of the component	Amount, amt.	Weight, g	Removal time	Component's fasteners	Marking component	Tools	Method of dismantling
15	Air intake cap	1	360	25 sec	Screw - 3 pcs.	PC+ABS	- Phillips screwdriver	- Loosen the fastening - Remove
16	Front bumper panel	1	8100	9 min	Screw - 4 pcs. Screw - ISO 7380 (INBUS) M6 – 11 pcs.	PC+ABS	- Phillips screwdriver - Key INBUS 4	- Loosen the fastening - Remove
17	Patch (fender decorative molding)	2	153	18 sec	Screw - 1 pcs.	ABS	- Phillips screwdriver	- Loosen the fastening - Remove
18	Front fender	2	1585	3 min 30 sec	Nut 10 - 1 pcs. Bolt 8 - 3 pcs. Allen screw - 1pcs. Screw - 1 pcs.	PA+PPO	- Removable head 10 - Removable head 8 - Allen wrench 4 - Phillips screwdriver	- Loosen the fastening - Remove
19	Rear bumper side patch	2	500	40 sec	Bolt – 2 pcs.	PP-EPDM	- Removable socket head cap 6	- Loosen the fastening - Remove
20	Rear bumper panel	1	2000	1 min 40 sec	Bolt – 5 pcs.	PP-EPDM	- Removable socket head cap 6	- Loosen the fastening - Remove

Recommended dismantling: Exterior - polymers



Recommended dismantling: Exterior - polymers



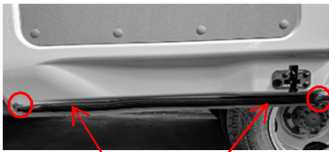

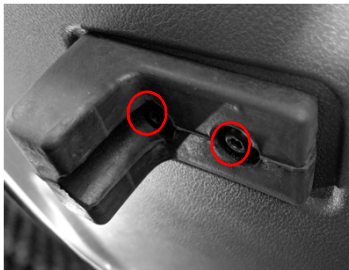







№	Name of the component	Amount, amt.	Weight, g	Removal time	Component's fasteners	Marking component	Tools	Method of dismantling
21	Front fender shield	2	1200	30 sec	Rivets - 3 pcs.	PE-HD	- Puller tool/Flat-blade screwdriver	- Loosen the fastening - Remove
22	Rear light	2	700	1 min	Bolt - 3 pcs.	PMMA	- Removable socket head cap 6	- Loosen the fastening - Remove
23	Rear side patch (Lower)	2	600	1 min	Bolt - 3 pcs.	PP-GF10	- Removable socket head cap 6	- Loosen the fastening - Remove
24	Rear side patch (Upper)	2	631	1 min 20 sec	Bolt - 4 pcs.	PP-GF10	- Removable socket head cap 6	- Loosen the fastening - Remove
25	Fuel tank	1	10230	2 min	Bolt - 4 pcs.	PE-HD	- Removable head 13	- Loosen the fastening - Remove

Recommended dismantling: Exterior - polymers



Recommended dismantling: Exterior - Elastomers

26	27	28	29	30
				
31	32	33	34	35
				

Recommended dismantling: Exterior - Elastomers

№	Name of the component	Amount, amt.	Weight, g	Removal time	Component's fasteners	Marking component	Tools	Method of dismantling
26	Fixed window seal (door window)	2	700	2 min		EPDM		- Remove manually
27	Windshield seal	1	520	3 min		EPDM	- Knife	- Remove manually
28	Lower rear right door seal	1	100	1 min	Double-sided tape Piston–2 pcs.	EPDM	- Knife - Piston / Rivet puller	- Cutting down/ Remove
29	Upper rear door seal	1	130	1 min	Double-sided tape	EPDM	- Knife	- Cutting down/ Remove
30	Sliding door stop	1	263	40 sec	Bolt – 2 pcs.	IR	- Removable socket head cap 6	- Loosen the fastening - Remove
31	Rear left door seal	1	600	1 min	Double-sided tape Piston–2 pcs.	EPDM	- Knife - Piston / Rivet puller	- Cutting down/ Remove
32	Rear door seal	1	1280	2 min		EPDM		- Remove
33	Upper sliding door seal	1	102	1 min		EPDM		- Remove
34	Sliding door seal	1	1770	2 min		EPDM		- Remove
35	Side apron	2	490	1 min	Bolt – 3 pcs.	P/PP	- Removable head 13	- Loosen the fastening - Remove

Recommended dismantling: Exterior - Elastomers



Recommended dismantling: Exterior - Glass Parts



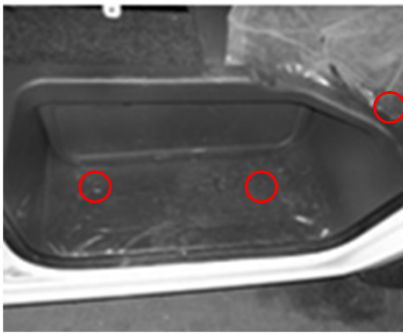

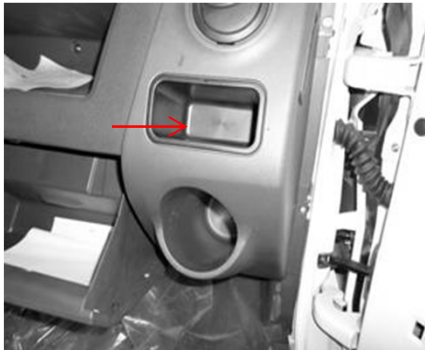
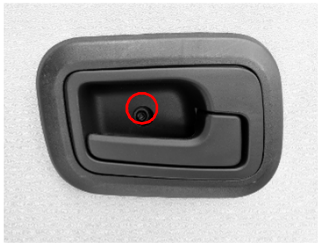




№	Name of the component	Amount, amt.	Weight, g	Removal time	Component's fasteners	Marking component	Tools	Method of dismantling
36	Sliding door window	1	8000	10 min	Adhesive		- A string for extracting glued glass - Awl	- Cut the adhesive - Remove the glass
37	Left side window	1	8700	10 min	Adhesive		- A string for extracting glued glass - Awl	- Cut the adhesive - Remove the glass
38	Door sliding window	2	3000	4 min	Bolt 10 - 2pcs. Nut 10 - 2pcs. Bolt 8 - 1pcs.		- Removable head 10 - Removable head 8	- Loosen the fastening - Remove
39	Door fixed window	2	1160	2 min 20 sec				- Put pressure on the glass - Remove the seal - Remove the glass
40	Windscreen	1	23500	12 min			- A string for extracting glued glass - Awl	- Cut the adhesive - Remove the glass

Recommended dismantling: Exterior - Glass Parts



Recommended dismantling: Interior - Polymers

41	42	43	44
			
45	46	47	48
			

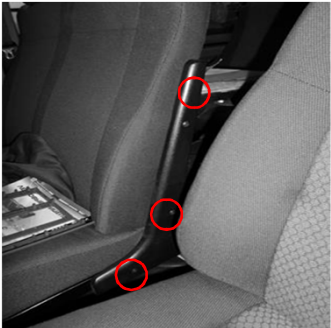
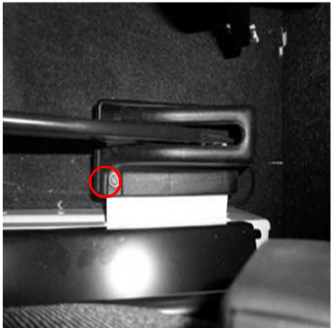
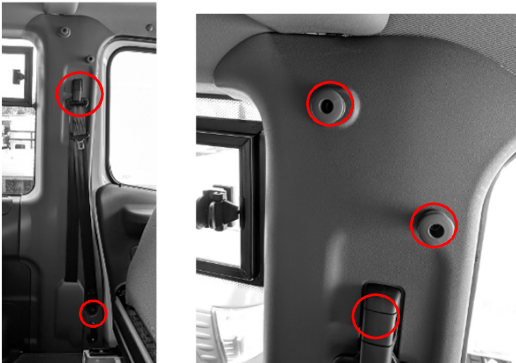
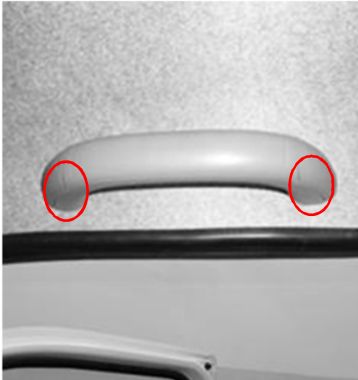
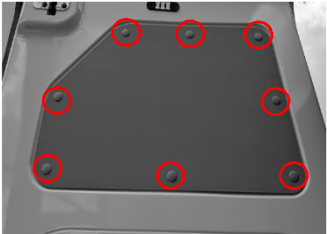
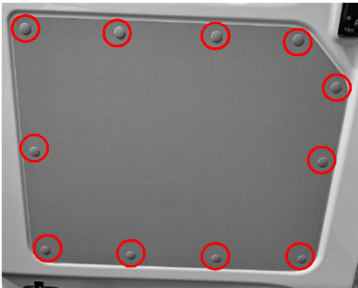


Recommended dismantling: Interior - Polymers

№	Name of the component	Amount, amt.	Weight, g	Removal time	Component's fasteners	Marking component	Tools	Method of dismantling
39	Front rack trim	2	203	30 sec		PP+EPDM-TD15		- Remove manually
40	Cover of the step decking	2	250	10 sec		PP-EPDM		- Remove manually
41	Step decking right/ left	1	1710 / 1720	2 min 5 sec	Screw - 1 pcs. Allen screw - 2 pcs.	PP-EPDM	- Allen wrench 5 - Removable head 13 - Phillips screwdriver	- Loosen the fastening - Remove
42	Windshield defroster	2	115	20 sec	Screw - 2 pcs.	PP+EPDM	- Phillips screwdriver	- Loosen the fastening - Remove
43	Niche for small things	1	97	5 sec		PP+EPDM-TDT15		- Remove manually
44	Rear door opening handle	1	99	40 sec	Bolt -1 pcs.	PA6-GF15	- Removable socket head cap 6	- Loosen the fastening - Remove
45	Rear door handrail	1	69	40 sec	Bolt -2 pcs.	PP	- Removable socket head cap 6	- Loosen two caps - Loosen the fastening - Remove
46	Rear door trim right (Lower)	1	910	45 sec	Piston-9 pcs.	PP	- Piston / Rivet puller	- Loosen the fastening - Remove

Recommended dismantling: Interior - Polymers



Recommended dismantling: Interior - Polymers

49	50	51	52
			
53	54	55	56
			



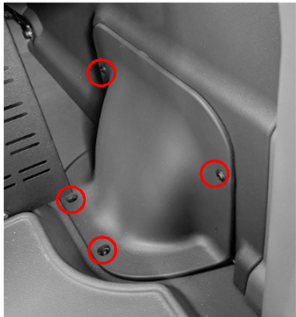


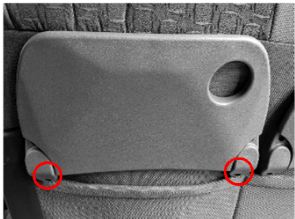

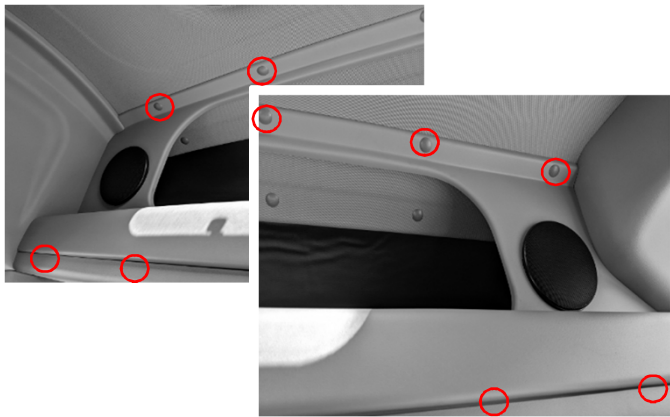
Recommended dismantling: Interior - Polymers

№	Name of the component	Amount, amt.	Weight, g	Removal time	Component's fasteners	Marking component	Tools	Method of dismantling
49	Upper facing (passenger seat)	2	500	1 min	Screw - 3 pcs.	ABS	- Phillips screwdriver	- Loosen the fastening - Remove
50	Cover (handbrake)	1	235	30 sec	Screw - 1 pcs.	PP-GF10	- Phillips screwdriver	- Loosen the fastening - Remove
51	Middle sidewall rack interior	2	880	2 min	Screw - 2 pcs.	PP+EPDM-TD15	- Flat-blade screwdriver	- Loosen the fastening - Remove
52	Handhold	2	69	1 min 20 sec	Bolt 8 - 2 pcs.	PP	- Flat-blade screwdriver - Removable head 8	- Loosen the fastening - Remove
53	Rear door trim	2	570	40 sec	Piston –8pcs.	PP	- Piston / Rivet puller	- Loosen the fastening - Remove
54	Left rear door trim panel	1	940	55 sec	Piston –11pcs.	PP	- Piston / Rivet puller	- Loosen the fastening - Remove
55	Rear roof panel	1	810	25 sec	Piston –5pcs.	PP+EPDM-TD20	- Piston / Rivet puller	- Loosen the fastening - Remove
56	Ceiling console	1	628	1 min 40 sec	Bolt -5pcs.	PP+EPDM-TD20	- Phillips screwdriver	- Dismantle the ceiling light - Loosen the fastening - Remove

Recommended dismantling: Interior - Polymers



Recommended dismantling: Interior - Polymers

57	58	59	60
			
61	62	63	64
			



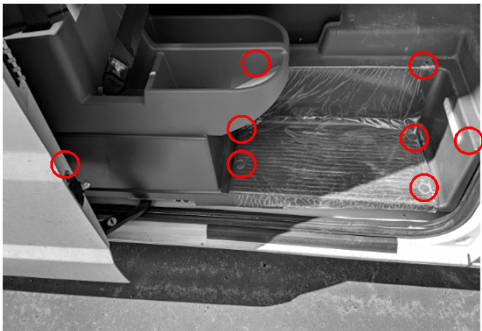



Recommended dismantling: Interior - Polymers

№	Name of the component	Amount, amt.	Weight, g	Removal time	Component's fasteners	Marking component	Tools	Method of dismantling
57	Double seat padding	1	3000	30 sec		PUR	- Knife	- Cut the trim - Remove the padding
58	Handrail (Sliding Door)	1	69	40 sec	Bolt – 2pcs.	PP	- Phillips screwdriver	- Loosen the fastening - Remove
59	Casing/Flooring cover	1	340	1 min 20 sec	Bolt -4pcs.	PP-GF10	- Removable socket head cap 6	- Loosen the fastening - Remove
60	Sliding door opening handle	1	312	1 min	Bolt -3pcs.	PA-GF15	- Removable socket head cap 6	- Loosen the fastening - Remove
61	Luggage rack	1	4750	30 sec	Internal rivets	PP-GF10		- Loosen the fastening - Remove
62	Rear row passengers folding table	2	500	40 sec	Bolt -2pcs.	PP	- Phillips screwdriver	- Loosen the fastening - Remove
63	Sliding door interior trim	1	1700	30 sec	Internal rivets	PP+EPDM-TD15		- Remove
64	Front roof trim	1	2340	3 min 10 sec	Piston -5pcs. Bolt -7pcs.	PVC-P, PP-WD	- Piston / Rivet puller - Removable socket head cap 6	- Loosen the fastening - Remove

Recommended dismantling: Interior - Polymers



Recommended dismantling: Interior - Polymers

65	66	67	68
			
69	70		
			

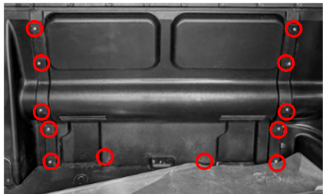
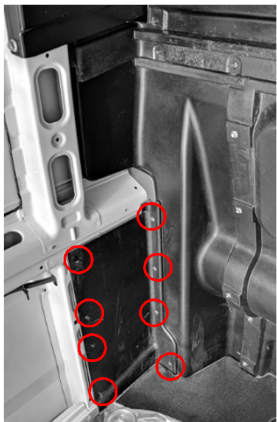
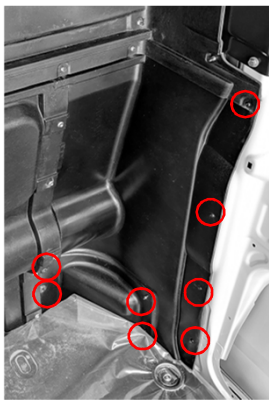


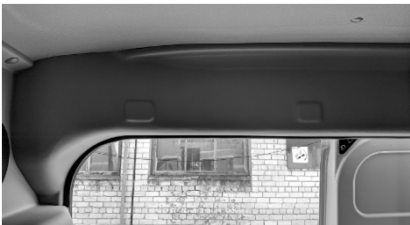

Recommended dismantling: Interior - Polymers

№	Name of the component	Amount, amt.	Weight, g	Removal time	Component's fasteners	Marking component	Tools	Method of dismantling
65	Partition panel trim	1	1260	1 min 40 sec	Bolt -4pcs. Bolt -1pcs	PP-GF10	- Removable socket head cap 6 - Removable head 17	- Loosen the fastening - Remove
66	Handrail (Cargo compartment)	1	69	40 sec	Bolt – 2pcs.	PP	- Removable socket head cap 6	- Loosen the fastening - Remove
67	Sliding door step flooring	1	1720	1 min 40 sec	Piston -4pcs. Bolt – 4pcs.	PP-EPDM	- Phillips screwdriver - Piston / Rivet puller	- Loosen the fastening - Remove
68	Rear passenger seat belt mounting	2	150	1 min 40 sec	Bolt – 5pcs.	PP+EPDM-TD15	- Removable socket head cap 6 - Removable head 10 - Removable head 17	- Loosen the fastening - Remove
69	Upper partition panel	1	23000	6 min 40 sec	Bolt -20pcs.	PU, PUR-GF30	- Removable socket head cap 6	- Loosen the fastening - Remove
70	Dashboard insert	2	50	10 sec				- Remove manually

Recommended dismantling: Interior - Polymers



Recommended dismantling: Interior - Polymers

71	72	73	74
	 		
75	76		
			

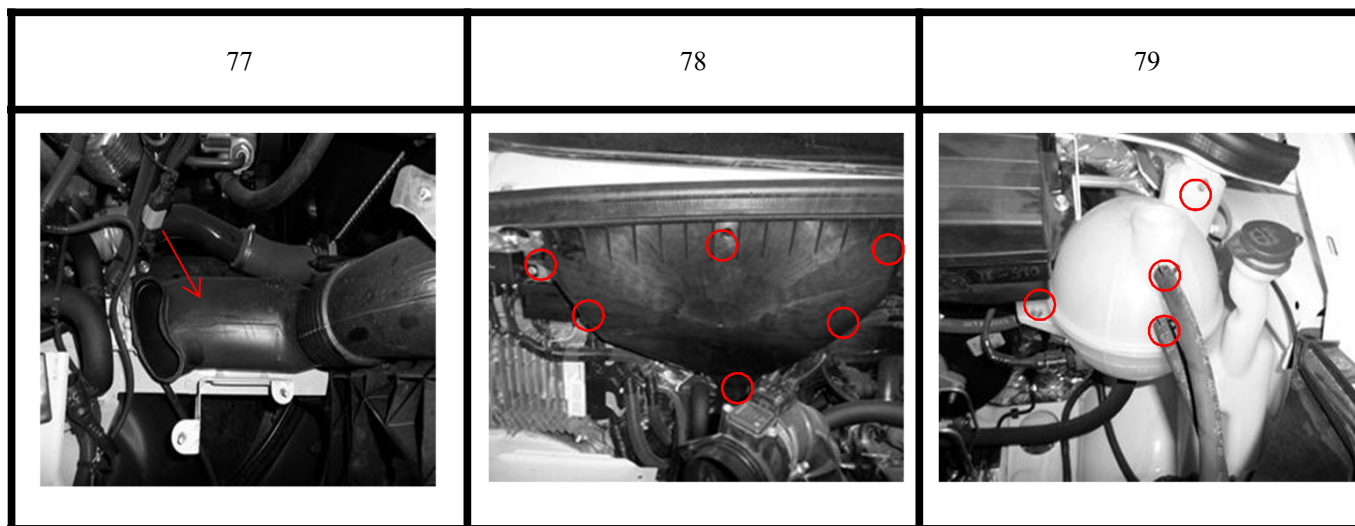
Recommended dismantling: Interior - Polymers

№	Name of the component	Amount, amt.	Weight, g	Removal time	Component's fasteners	Marking component	Tools	Method of dismantling
71	Partition panel (middle part)	1	11900	4 min	Bolt -12pcs.	PUR-GF30	- Removable socket head cap 6	- Loosen the fastening - Remove
72	Partition panel (side part)	2	Left – 3800	2 min 40 sec	Bolt -8pcs.	PU, PUR-GF30	- Removable socket head cap 6	- Loosen the fastening - Remove
			Right - 4200					
73	Sliding door interior trim	1	1700	20 sec	Internal rivets	PP+EPDM-TD15		- Remove
74	Side trim panel (upper left)	1	2730	30 sec	Internal rivets	PVC-P, PP-WD		- Remove
75	Side trim panel (upper right)	1	1280	30 sec	Internal rivets	PVC-P, PP-WD		- Remove
76	Back row shelf	1	4750	1 min 20 sec	Bolt -4pcs.	PP-GF10	- Removable socket head cap 6	- Loosen the fastening - Remove

Recommended dismantling: Interior - Polymers



Recommended dismantling: Hood space - Polymers

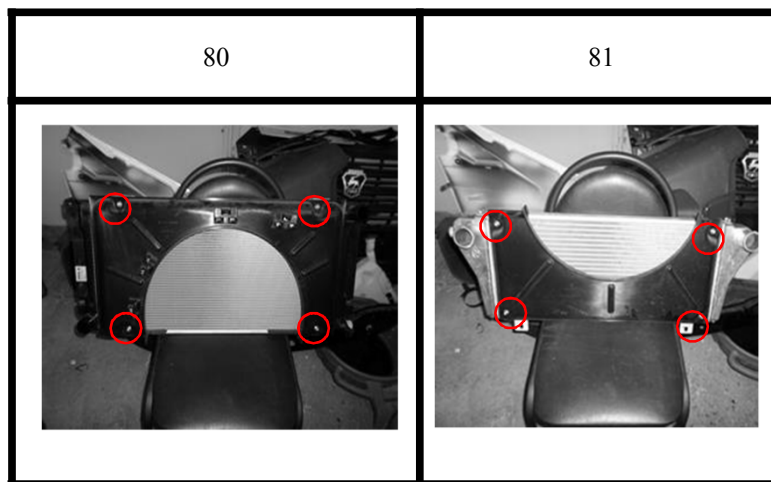


№	Name of the component	Amount, amt.	Weight, g	Removal time	Component's fasteners	Marking component	Tools	Method of dismantling
77	Air intake	1	380	20 sec		PP		- Remove manually
78	Air intake (cabin ventilation)	1	512	9 min	Bolt 8 - 9 pcs.	PP-GF30	- Removable head 8	- Loosen the fastening - Remove
79	Expansion tank	1	560	1 min 30 sec	Bolt 8 - 2 pcs. Clamp - 3 pcs.	PP-GF10	- Pliers - Removable head 8	- Disconnect hoses - Loosen the fastening - Remove

Recommended dismantling: Hood space - Polymers



Recommended dismantling: Hood space - Polymers



№	Name of the component	Amount, amt.	Weight, g	Removal time	Component's fasteners	Marking component	Tools	Method of dismantling
80	Upper fan cowl	1	620	1 min	Nut 10 - 4 pcs.	PA6-GF15	- Removable head 10	- Loosen the fastening - Remove
81	Bottom fan cowl	1	520	1 min	Nut 10 - 4 pcs.	PA6-GF15	- Removable head 10	- Loosen the fastening - Remove

Recommended dismantling: Hood space - Polymers

