

ACCESSORY SETUP INSTRUCTION

HEATER ASSEMBLY-- PN: 5HYV-801100-6000

VALID FOR: 2024 CF1000UU-8 CF1000UZ-8 CF1000UTR-8

BEFORE YOU BEGIN: Read and understand the instructions before starting any work. Make sure that all parts are ready and that you have all the tools required for assembly.

NOTE: CFMOTO shall not be liable for any damage caused by incorrect assembly. CFMOTO recommends that all original accessories be assembled by an authorized CFMOTO dealer.

Before assembly, park the vehicle on a flat surface, put the transmission gear into Park (P) and turn off the key switch.

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MEANING OF SYMBOLS

 - Indicates information with more details or tips.

 - Indicates information of warning or danger.

PARTS LIST:

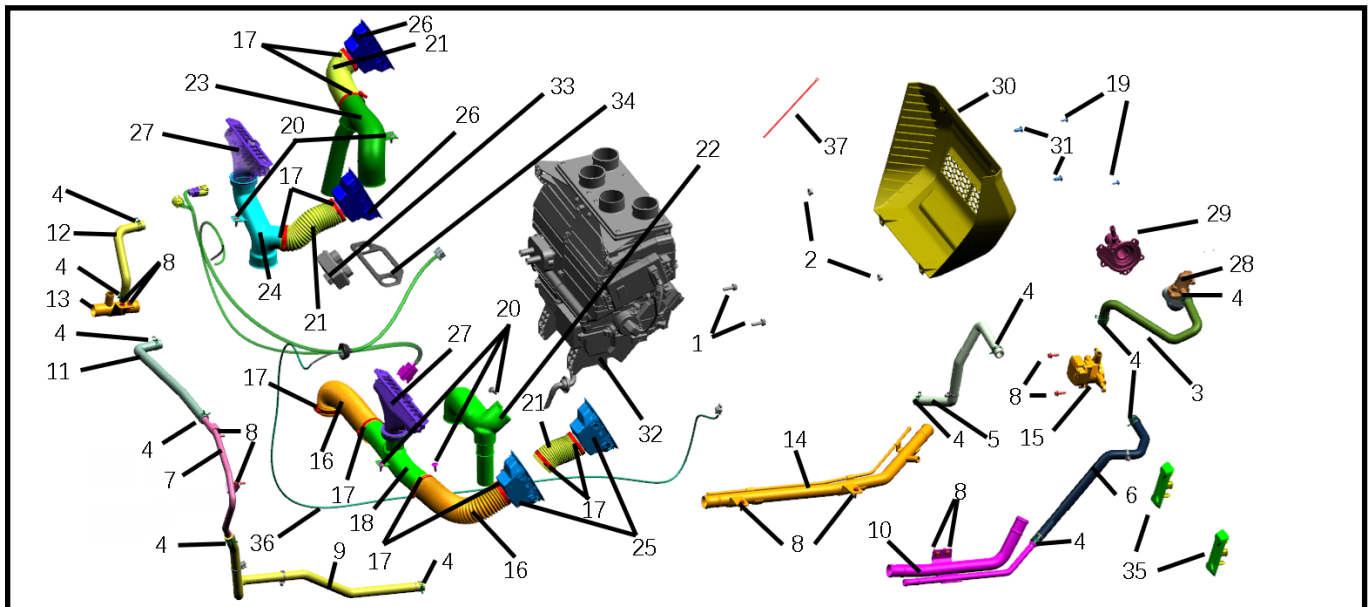
ITEM	PART NAME	PART NUMBER	QTY.	DISCRIPTION
1	BOLT M8×25	30006-080025810	2	
2	NUT M8	30204-080810	2	
3	3-WAY VALVE INTAKE HOSE	5HYV-352101-9000	1	
4	CLAMP B23	30601-223050	12	
5	3-WAY VALVE OUTLET HOSE 1	5HYV-352102-9000	1	
6	3-WAY VALVE OUTLET HOSE 2	5HYV-352103-9000	1	
7	HEATER INTAKE PIPE 1	5HYV-352110-9000	1	
8	BOLT M6×16	30006-060016810	10	
9	HEATER INTAKE HOSE 1	5HYV-352105-9000	1	
10	HEATER INTAKE PIPE 2	5HYV-352120-9000	1	
11	HEATER INTAKE HOSE 2	5HYV-352107-9000	1	
12	HEATER OUTLET PIPE	5HYV-352200-9000	1	
13	4-WAY ALUMINUM PIPE	5HYV-355090-9000	1	
14	ALUMINUM CONNECTING PIPE	5HYV-355080-9000	1	
15	3-WAY ELECTRIC WATER VALVE	5HYV-354600-9000	1	
16	DRIVER SIDE AIR DUCT 3	5HYV-353403-9000	2	
17	A-TYPE SCREW CLAMP (50-70)	9010-020007	10	
18	DRIVER SIDE AIR DUCT 2	5HYV-353402-9000	1	
19	INNER HEX SELF-TAPPING SCREW ST4.8*16	5BWV-040016-5000	2	
20	INNER HEX BOLT M6*20	5BWV-040008-5000	5	
21	DRIVER SIDE AIR DUCT 1	5HYV-353401-9000	3	
22	MIDDLE DRIVER SIDE AIR DUCT 2	5HYV-353405-9000	1	
23	PASSENGER SIDE AIR DUCT 2	5HYV-353407-9000	1	
24	MIDDLE PASSENGER SIDE AIR DUCT 2	5HYV-353409-9000	1	
25	DRIVER SIDE TUYERE - MATTE IRON GREY	5HYV-353510-9001	2	
26	PASSENGER SIDE TUYERE - MATTE IRON GREY	5HYV-353530-9001	2	
27	DEFROSTING VENTILATION ORIFICE	5HYV-353520-9002	2	
28	THERMOSTAT HOUSING	0NYV-082141-1000	1	
29	WATER PUMP HOUSING ASSY	5HYV-802900-9000	1	
30	AC GUARD	5HYV-043032-9000	1	

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ITEM	PART NAME	PART NUMBER	QTY.	DISCRIPTION
31	PLASTIC CLIP ASSEMBLY	9060-040310	2	
32	HEATER MOTOR ASSY	5SYV-351100-8300	1	
33	HEATING CONTROL PANEL	5SYV-354100-8300	1	
34	PANEL BRACKET	5HYV-043033-8300	1	
35	REAR BUMPER PLUG	5HYV-042088-8300	2	
36	SINGLE-ROW HEATING HARNESS	5HYV-150110-3600	1	
37	TIE BAND	8010-150003	5	



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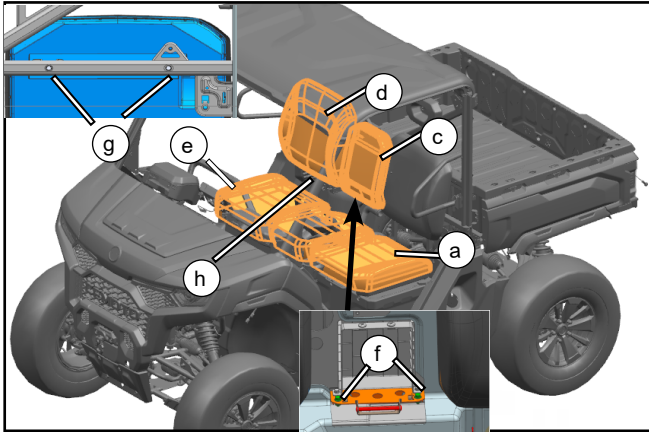
HEATER ASSEMBLY-- PN: 5HYV-801100-6000

VALID FOR: 2024 CF1000UU-8 CF1000UZ-8 CF1000UTR-8

TOOL LIST:

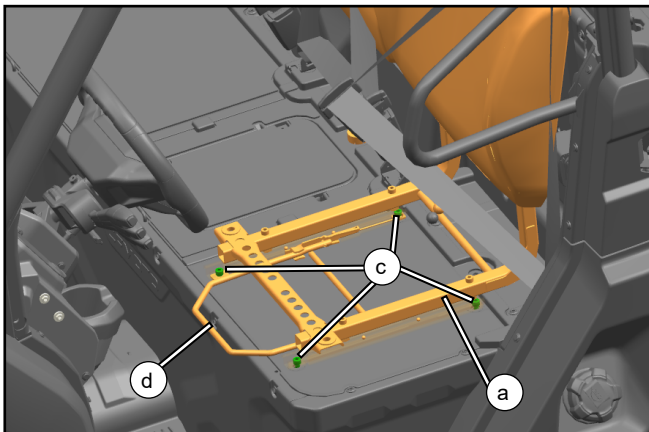
ITEM	PART NAME	PART NUMBER	QTY.	DISCRIPTION
1	HOLE OPENER ϕ 35	/	1	Factory default
2	SOCKET 13mm	/	1	Recommended tools, which are not included in the package.
3	TROX KEY TX 30/TROX BIT TX30	/	1	
4	HEX KEY 6mm	/	1	
5	CLAMP PLIERS	/	1	
6	SOCKET 8mm	/	1	
7	SOCKET 10mm	/	1	
8	SOCKET 13mm	/	1	
9	SOCKET 14mm	/	1	
10	SOCKET 15mm	/	1	
11	OPEN-END WRENCH S=10	/	1	
12	OPEN-END WRENCH S=19	/	1	
13	UTILITY KNIFE	/	1	
14	PHILLIPS SCREWDRIVER	/	1	
15	FLAT-HEAD SCREWDRIVER	/	1	
16	PLASTIC FASTENER SCREWDRIVER	/	1	
17	PROTECTIVE GLOVES	/	1	
18	LUBRICANT	/	1	
19	ELECTRIC WRENCH	/	1	

ASSEMBLY and INSTALLATION



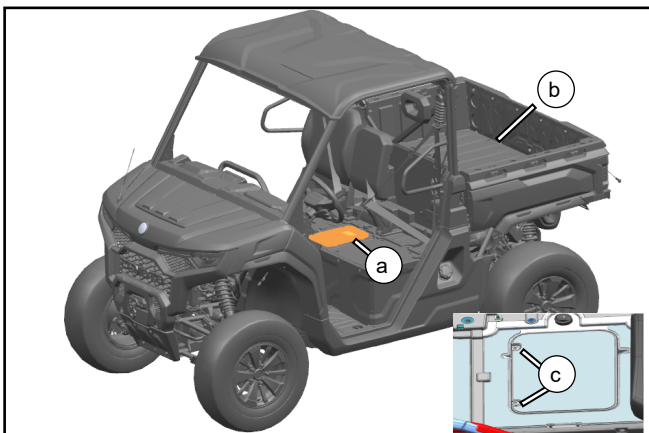
// Remove the driver seat (a) / passenger seat (e) / passenger backrest (d) / middle backrest (c) assembly from the vehicle.

- i** Remove the driver seat from its front end and the passenger seat from its rear end.
 Remove two M8*16 bolts (f) before removing the middle backrest.
 Tool: 13mm socket
 Remove two M6*30 bolts (g) and one M8 bolt (h) before removing the passenger backrest. Tools: Trox key TX 30, 10mm socket, 13mm socket.



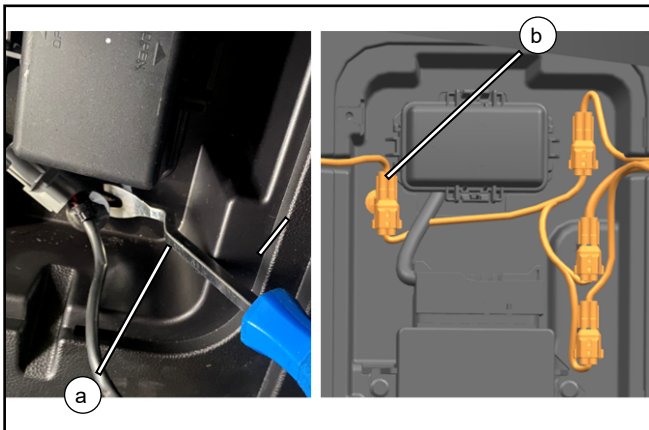
// Remove the driver seat (a) from the vehicle (b).

- i** Inner hex bolt M8*16 (c) (4 pcs) (green). Slide the driver seat to the end, then remove the front two bolts, and slide the driver seat to the front, then remove the rear two bolts. Tool: 6mm hex key.



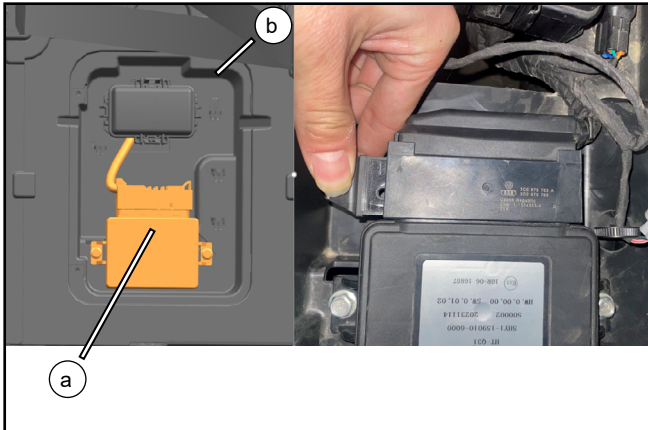
// Remove the EPB service cover (a) from the vehicle (b).

- i** Inner hex self-tapping screw ST4.8*16 (two pcs) (C). Tool: Trox key.



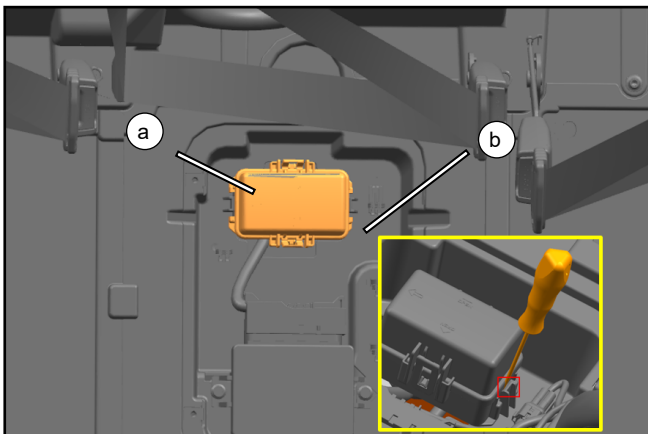
// Remove the harness fastener (b) from the plastic part using a plastic fastener screwdriver (a).

ASSEMBLY and INSTALLATION

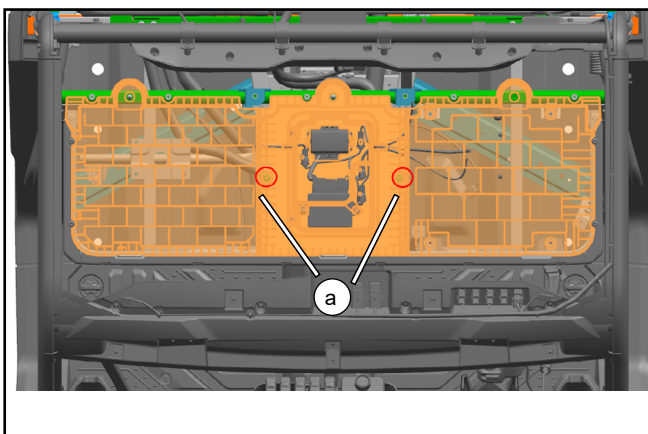


// Remove the EPB controller (a) from the vehicle body (b) and separate the EPB controller connector from the EPB controller.

i // Hex flange bolt M6×12 (two pcs). Tool: 10mm socket.

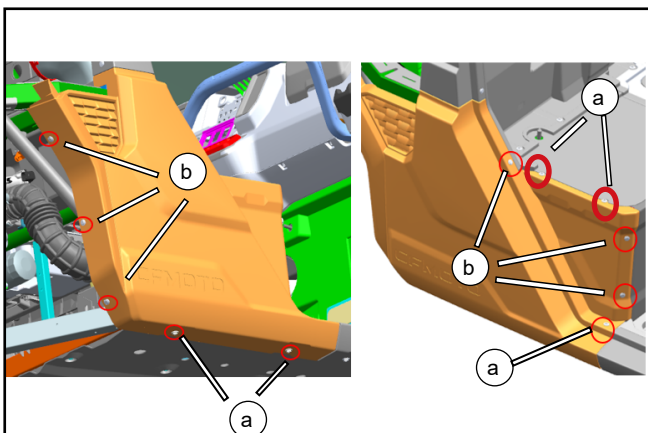


// Remove the fuse box (a) from the plastic part (b) with a screwdriver or other tool.



// Disconnect the seat belt connector and remove the lower driver side panel of the seat, the middle lower panel of the seat, and the lower passenger side panel of the seat.

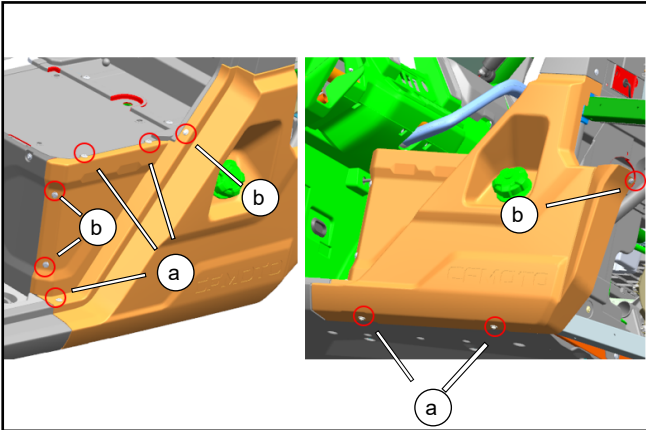
i // Two inner hex bolts M6 (a) need to be removed when removing the middle lower panel. Tool: Trox key.



// Remove the fastening bolts and plastic clip assembly on the rear passenger side panel (which is convenient for removing the front lower panel and driver / passenger side panel of the seat).

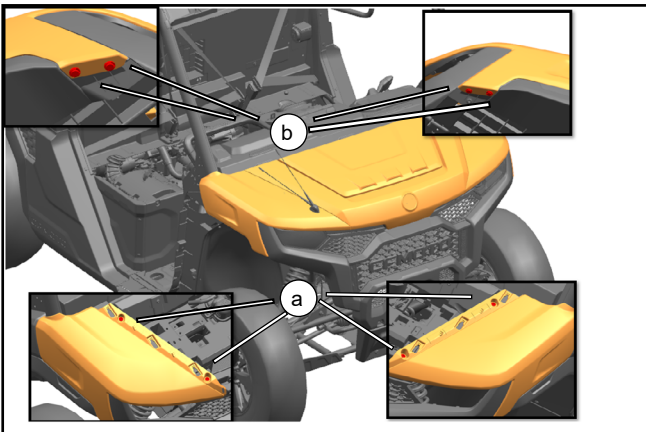
i // As shown in the picture, there are five inner hex bolts (a), six plastic clip assemblies (b). Tools: Trox key, plastic fastener screwdriver.

ASSEMBLY and INSTALLATION



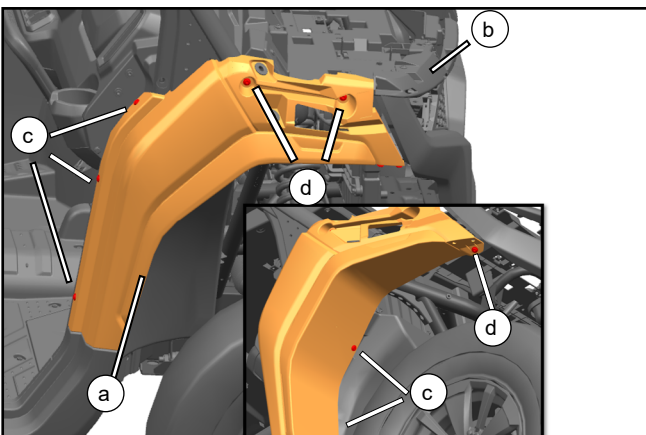
// Remove the fastening bolts and plastic clip assembly on the rear driver side panel (which is convenient for removing the front lower panel and driver / passenger side panel of the seat).

i // As shown in the picture, there are five inner hex bolts (a), four plastic clip assemblies (b). Tools: Trox key, plastic fastener screwdriver.



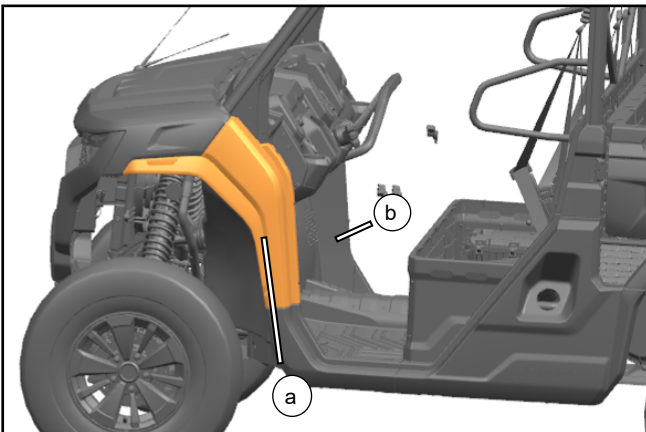
// Remove the front driver side panel, front middle panel and front passenger side panel from the vehicle body, and the front middle panel can be directly removed manually.

i // Remove the front middle panel directly from the rear. Before disassembly the front driver / passenger side panel, two M6 inner hex bolts (a), and two plastic clip assemblies (b) need to be removed. Tools: Trox key, plastic fastener screwdriver.



// Remove the front passenger side deco plate (a) from the vehicle body (b).

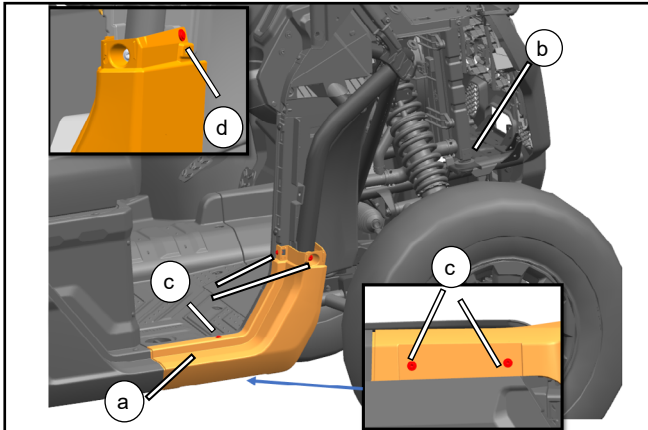
i // Five plastic clip assemblies (c), three M6 inner hex bolts (d), and one M6*20 step bolt need to be removed (see picture for details). Tools: Trox key, plastic fastener screwdriver.



// Remove the front driver side deco plate (a) from the vehicle body (b).

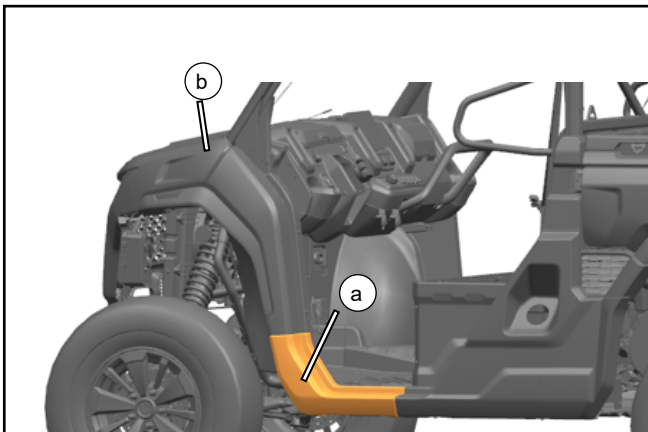
i // Share the same method as the passenger side.

ASSEMBLY and INSTALLATION



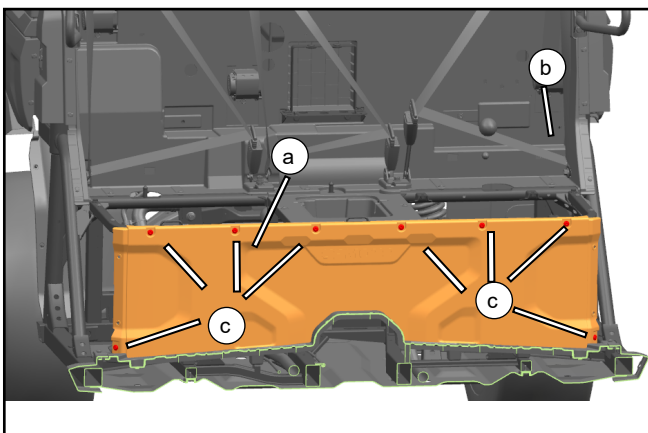
// Remove the front passenger side panel (a) from the vehicle body (b).

i // One plastic clip assembly (d), and five M6 inner hex bolts (c) need to be removed (see picture for details). Tools: Trox key, plastic fastener screwdriver.



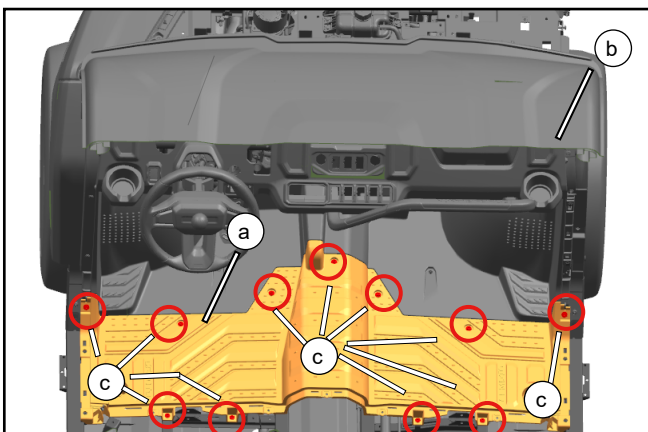
// Remove the front driver side panel (a) from the vehicle body (b).

i // Share the same method as the passenger side.



// Remove the seat front lower panel (a) from the vehicle body (b).

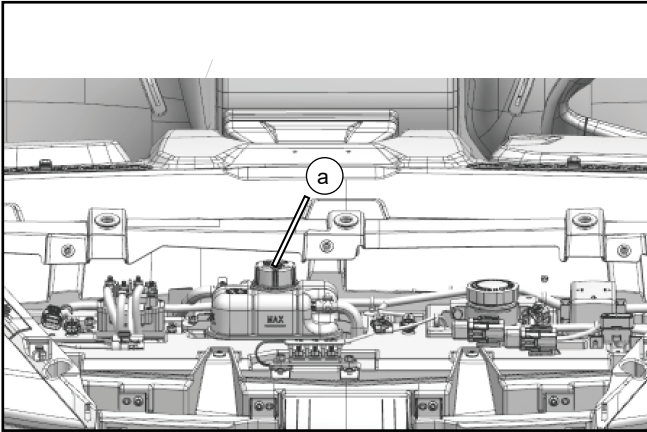
i // Eight M6 inner hex bolts (c) need to be removed, six of which are located in the upper part and two of which are located in the lower left and lower right corners respectively (see picture for details). Tools: Trox key, plastic fastener screwdriver.



// Remove the seat foot pedal (a) from the vehicle body (b).

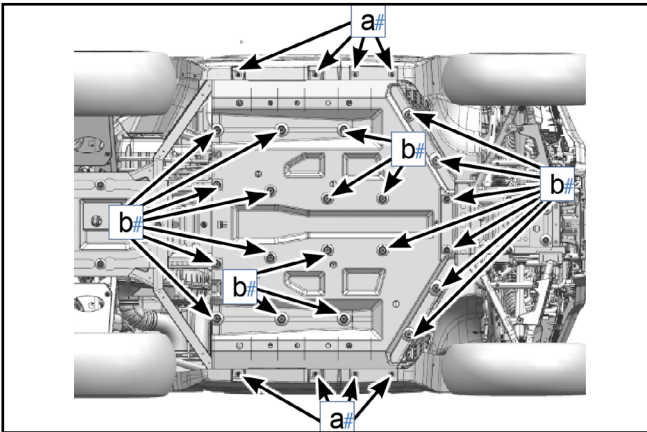
i // Eleven M6 inner hex bolts (c) need to be removed (see picture for details). Tools: Trox key.

ASSEMBLY and INSTALLATION

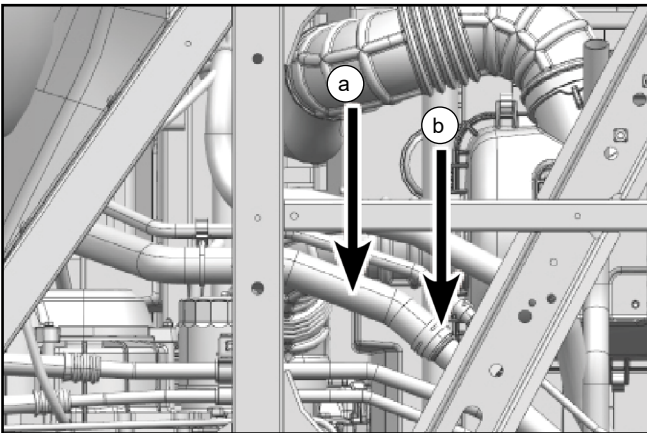


// Remove the expansion tank cap (a).

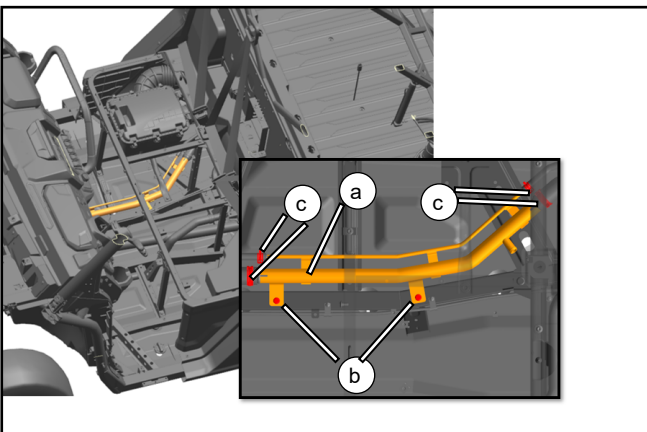
i // If the engine is running before or still running, do not unscrew the expansion tank cap. It is necessary to shut down the engine and wait until the engine cools completely. To avoid getting injured, loosen the expansion tank cap two turns to release the pressure, then remove it.



// Lift up the vehicle safely and support it, then remove the bolts (a) and bolts (b), and remove the skid plate.



// Place a pan under the inlet hose of the engine (a) to collect the coolant. Loosen the clamp (b) backwards, pull out the engine inlet hose to drain out the coolant.



// Remove the aluminum connecting pipe on the original vehicle and replace it with the special aluminum connecting pipe (a) for the AC.

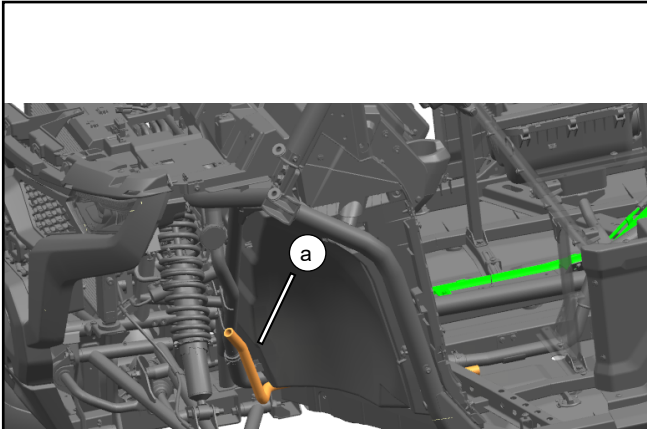
i // Two M6 inner hex bolts (b) and four clamps need to be removed (see picture for details). Tools: 10mm socket, clamp pliers.

ASSEMBLY and INSTALLATION



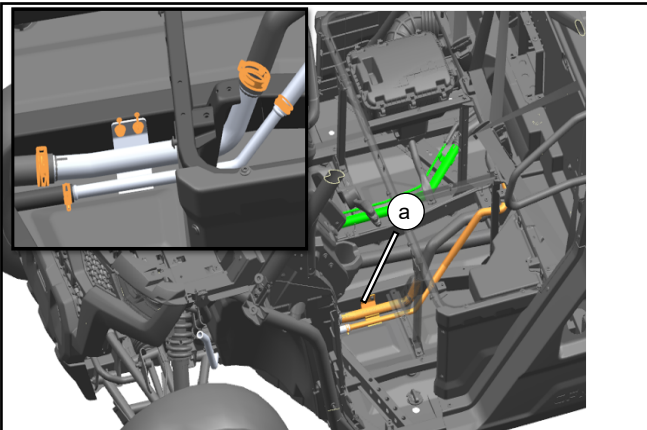
// Pre-install the heater intake pipe 2 of the original vehicle and the 3-way valve outlet hose 2 with the clamp B23.

i // Ensure the marking lines on the two parts are aligned during pre-installation. Tool: Clamp pliers.



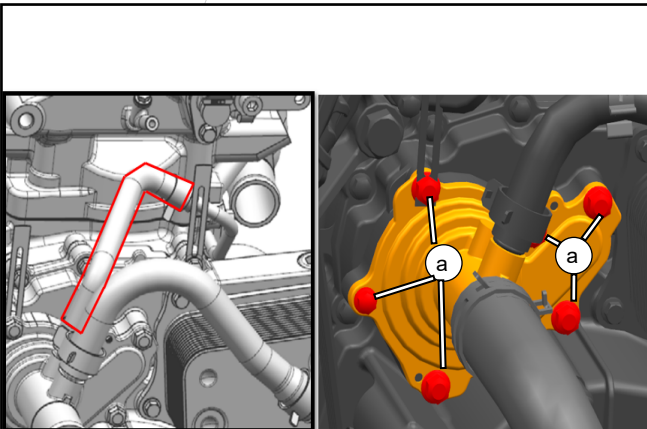
// Pass the heater intake hose 1 (a) from the front end (inside of the front driver side wheel) into the inside of the vehicle.

i



// Remove the heater intake pipe 2 (a) on the original vehicle, replace it with the special heater intake pipe 2 (including the pre-installed 3-way valve outlet hose 2), and use the clamp B23 to assemble the heater intake hose 1.

i // Tool: 10mm socket, clamp pliers.

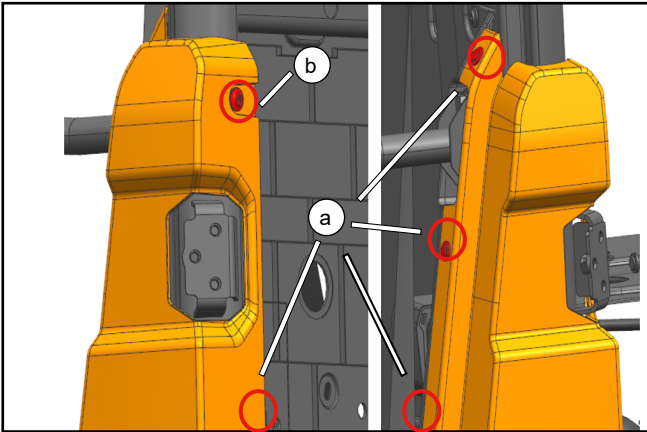


// Open the rear cargo box, remove the water pump housing assembly on the engine, and replace it with a special water pump housing assembly for the AC (the picture shows the changed state).

i // Six M6 bolts (red) (a) and clamps need to be removed. Tools: 8mm socket, clamp pliers.

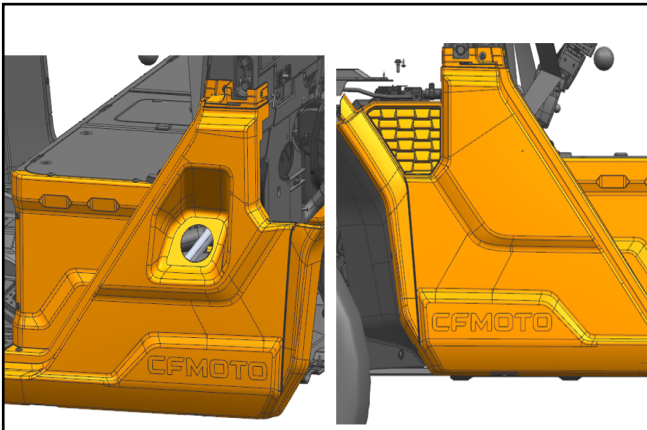
// After replacing the new water pump housing, water pipes that aren't plugged in will be removed in subsequent steps (see the left picture).

ASSEMBLY and INSTALLATION



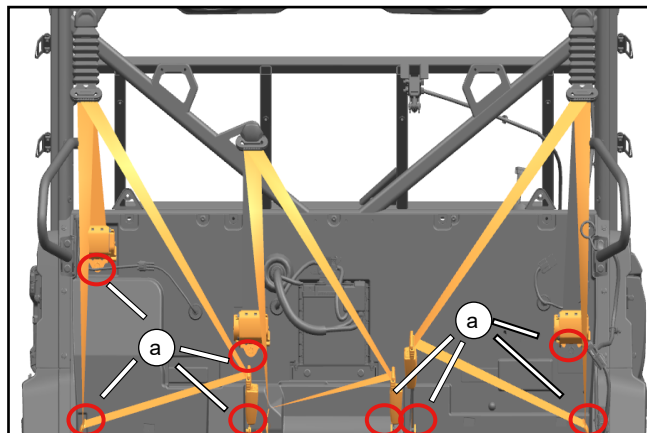
// Remove the upper driver / passenger side panel.

- i** // Four plastic clip assemblies (a) and one M6 inner hex bolt (b) need to be removed. Tools: Plastic fastener screwdriver, trox key. (Both sides share the same method).



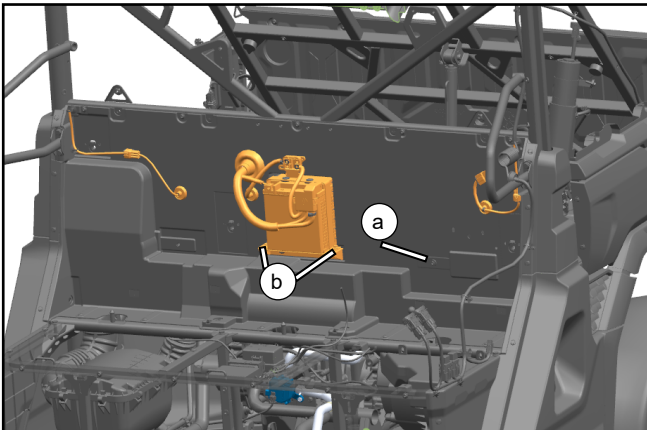
// Remove the lower driver side panel.

- i** // Before removing the lower driver side panel, unscrew the fuel tank cap. Ensure that no items fall into the fuel tank during this process, and reinstall the fuel tank cap in time after removing the lower driver side panel.



// Remove the lower mounting points (a) such as seat belt buckle, retractor, etc. (the need to remove the rear panel of the seat).

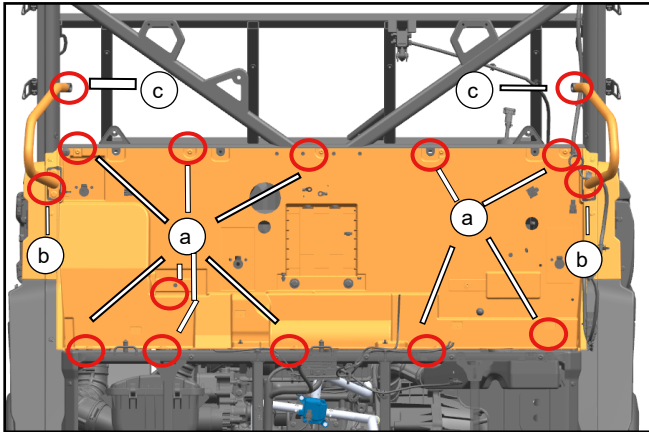
- i** // Tools: 14mm socket, open-end wrench s=19. Tightening torque: 40N.M ~ 50N.M.



// Remove the harness on the rear panel of the seat (disconnect the speaker and the connecting port of the main cable), and remove the battery (the need to remove the rear panel of the seat).

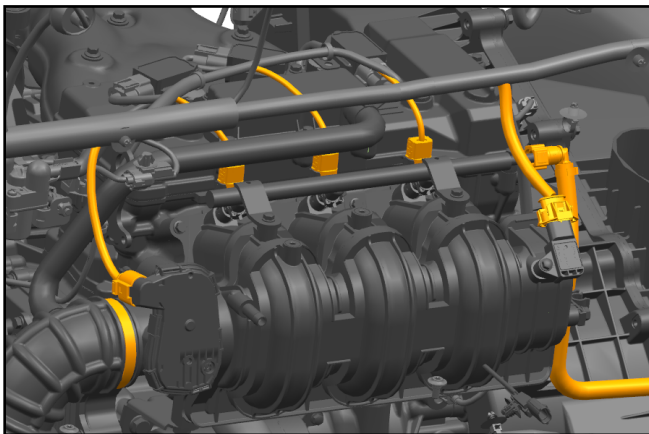
- i** // The bolt (a) and two M8 bolts (b) of the battery bracket need to be removed. Tools: 13mm socket, trox key, plastic fastener screwdriver (for removing harness).

ASSEMBLY and INSTALLATION



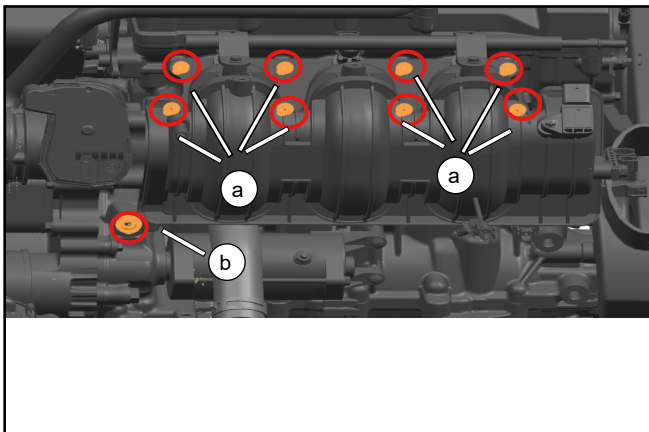
// Remove the passenger armrest pipe and the rear panel of the seat from the vehicle body.

i // Eleven M6 bolts (a), each two M8 flange bolts (b) on the driver/passenger side, and each one M8 inner hex bolt (c) on the driver/passenger side need to be removed. Tools: Trox key, hex key 6mm, 13mm socket.



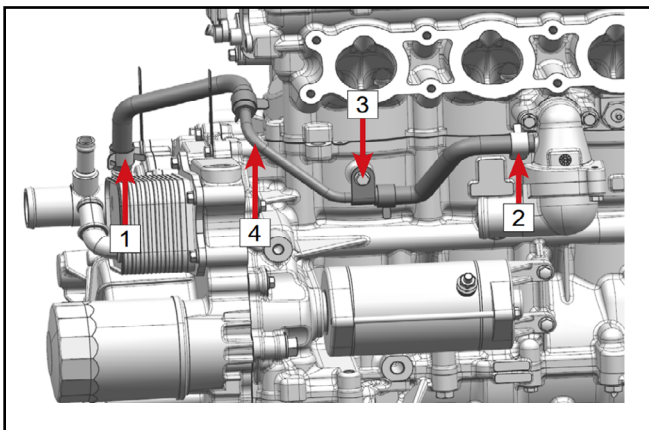
// Disconnect the electronic sensors on the throttle and the intake manifold. Loosen the clamp at the connection between the air filter and the throttle, then disconnect the three fuel injector connectors, and then pull out the fuel pipe from the fuel rail (the yellow part in the picture).

i // Tool: Flat-head screwdriver.



// Remove eight M6 bolts (a) installed on the intake manifold. Remove the M8 bolt (b) of the mounting bracket at the lower end of the intake manifold (the yellow part as shown in the picture), and completely remove the throttle and intake manifold.

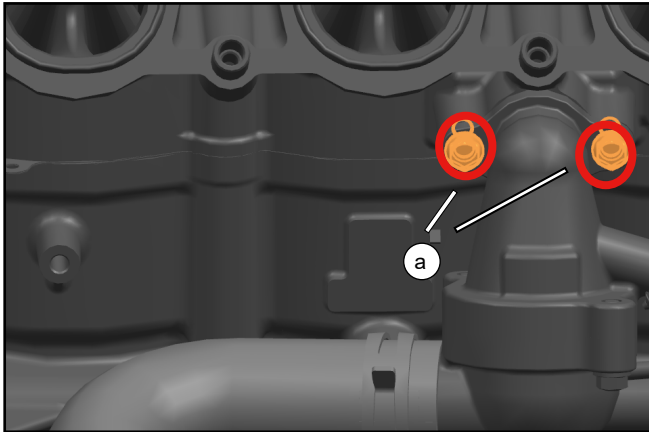
i // Tools: 8mm socket, 13mm socket.



// Remove the small circulating water pipe assembly (which will no longer be used).

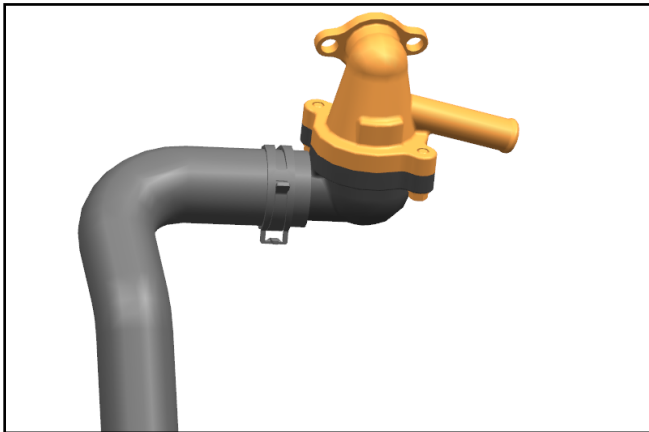
i // Tools: 8mm socket, clamp pliers.

ASSEMBLY and INSTALLATION



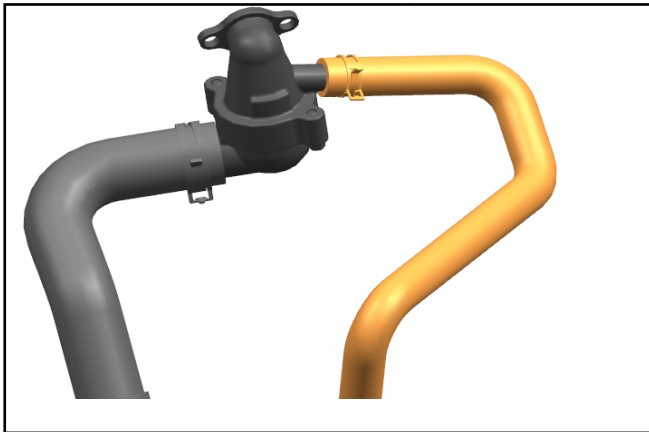
// Remove the thermostat housing assembly.

i // Tool: 8mm socket.



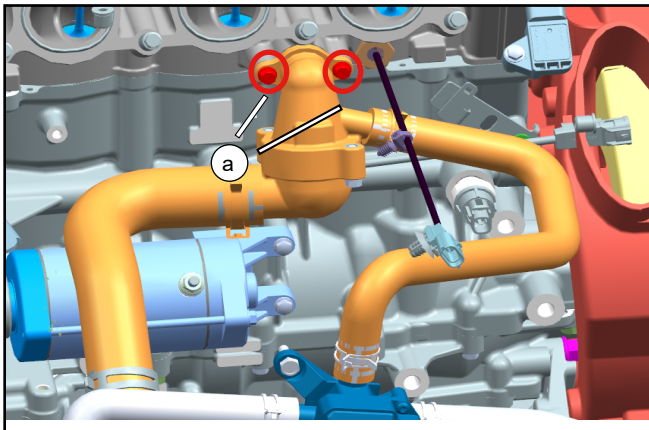
// Replace it with a special thermostat housing for the AC version.

i // Tool: 8mm socket.



// Pre-install the thermostat housing and 3-way valve intake hose with the clamp B23.

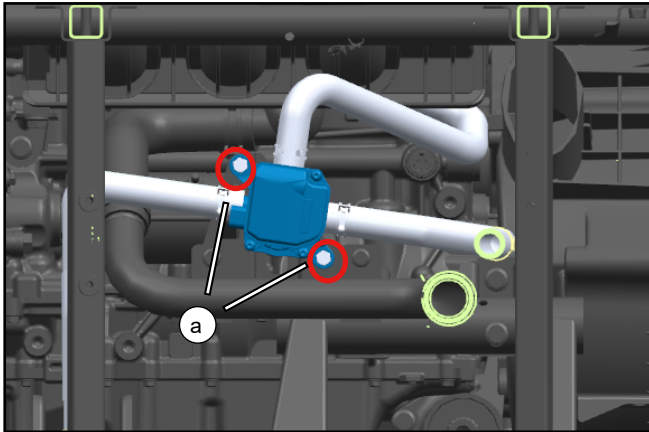
i // Ensure the marking lines on the two parts are aligned during pre-installation. Tool: Clamp pliers.



// Reinstall the new thermostat housing on the engine and fasten the bolts (a), and install the high-temperature radiator outlet pipe of the new thermostat housing with the water pipe of the vehicle body.

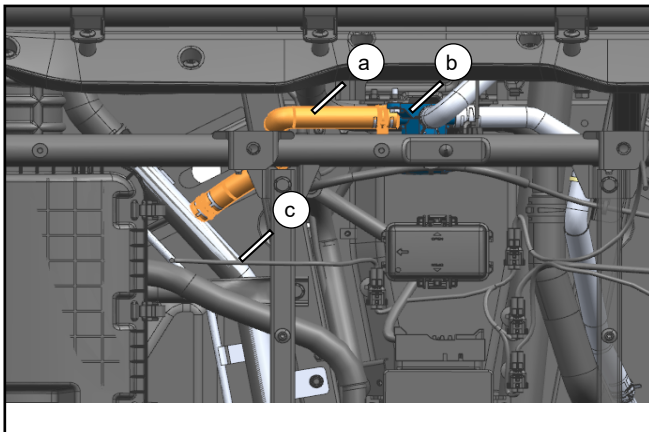
i // Tool: 8mm socket, clamp pliers.

ASSEMBLY and INSTALLATION



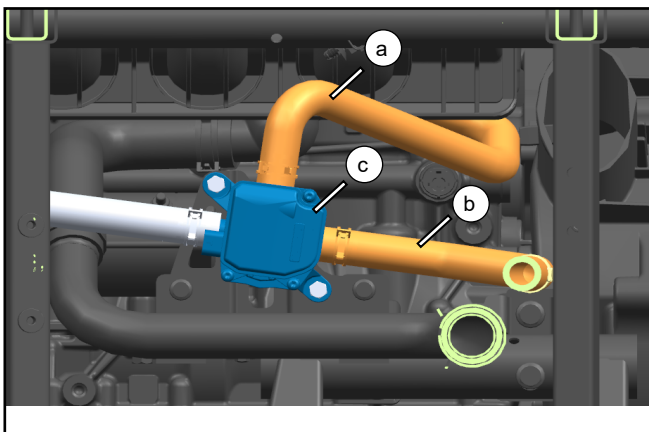
// Install the 3-way electric water valve on the frame, and assemble it with the 3-way valve intake hose and the 3-way valve outlet hose 2.

i // Two M6 bolts (a) need to be installed. Tool: 10mm socket.



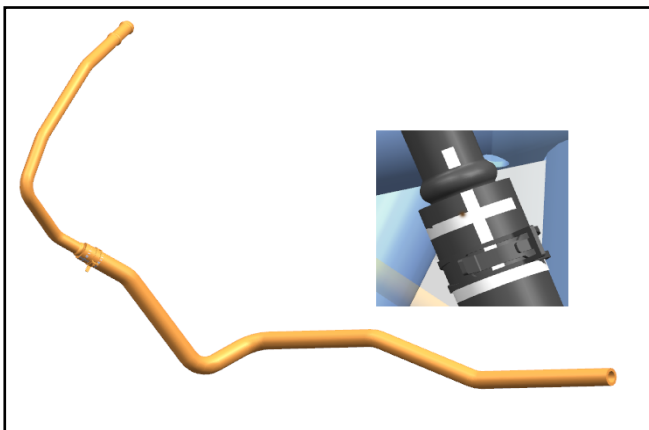
// Install the 3-way valve outlet hose 1 (a) with 3-way electric water valve (b) and aluminum connecting pipe (c).

i // Tool: Clamp pliers.



// Install the 3-way valve outlet hose 2 (a), and the 3-way valve intake hose 1 (b) with the 3-way electric water valve (c).

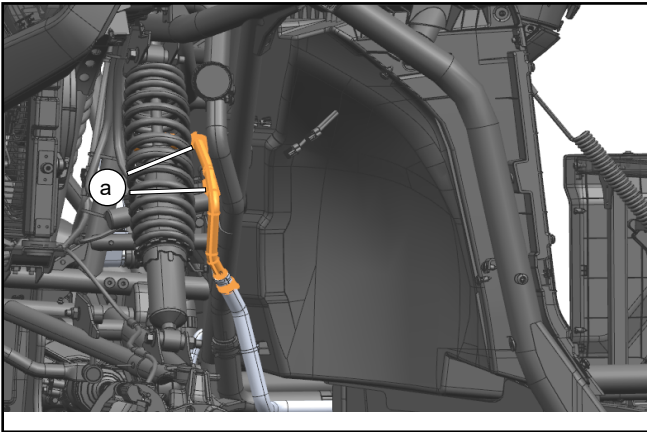
i // Tool: Clamp pliers.



// Pre-install the heater intake hose 2 and the heater intake pipe 1.

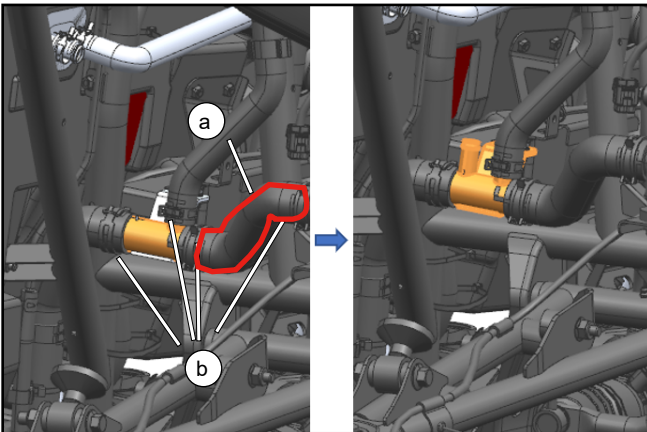
i // Ensure the marking lines on the two parts are aligned during pre-installation. Tool: Clamp pliers.

ASSEMBLY and INSTALLATION



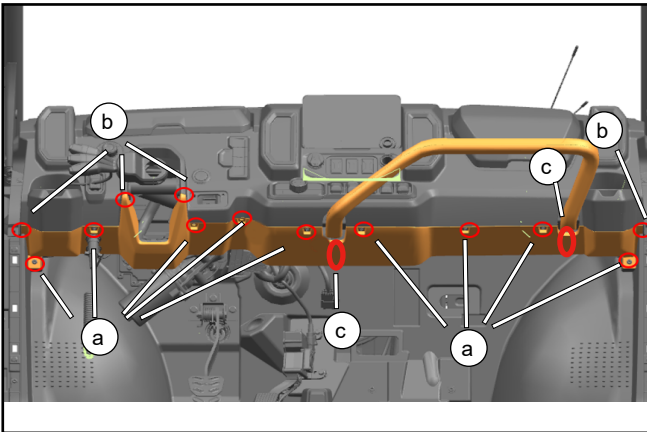
// Assemble the pre-installed heater intake hose 2 and heater intake pipe 1 with the heater intake hose 1 assembled to the vehicle before.

i // Two M6 bolts (a) need to be installed. Tool: 10mm wrench, clamp pliers.



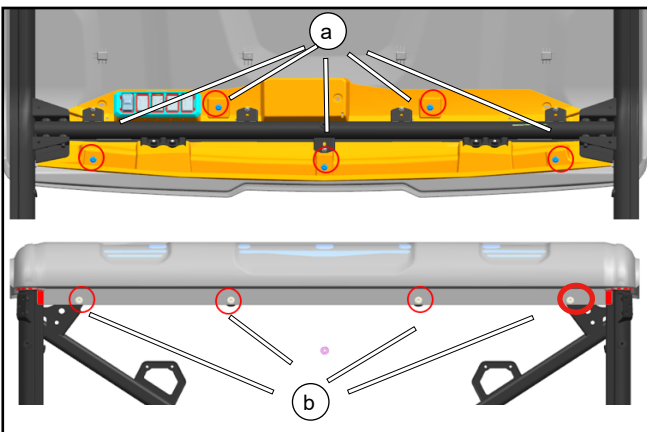
// Remove the three-way water pipe on the inside of the front passenger side wheel of the original vehicle and replace it with the special four-way aluminum pipe for the AC (the high-temperature radiator outlet pipe (a) can be removed first).

i // Two M8 bolts and four clamps (b) need to be removed. Tool: Clamp pliers, 10mm socket.
 // Two M6 bolts (a) need to be installed. Tool: Clamp pliers, 10mm wrench.



// Remove the dashboard lower body and passenger armrests.

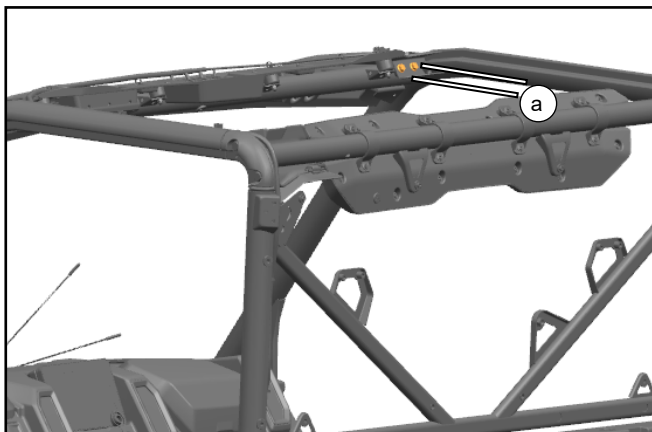
i // Nine bolts (a) and 4 plastic clip assemblies (b) need to be removed from the dashboard lower body. Tools: Trox key, plastic fastener screwdriver, 6mm hex key (remove four M8 inner hex bolts (c) on the passenger armrests, tightening torque: 25N.M ~ 30N.M.).



// Remove the plastic roof.

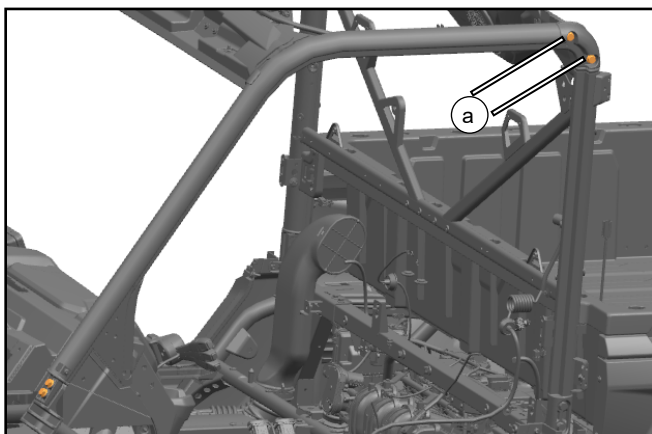
i // Nine inner hex bolts (a) and (b) need to be removed. Tool: Trox key.

ASSEMBLY and INSTALLATION



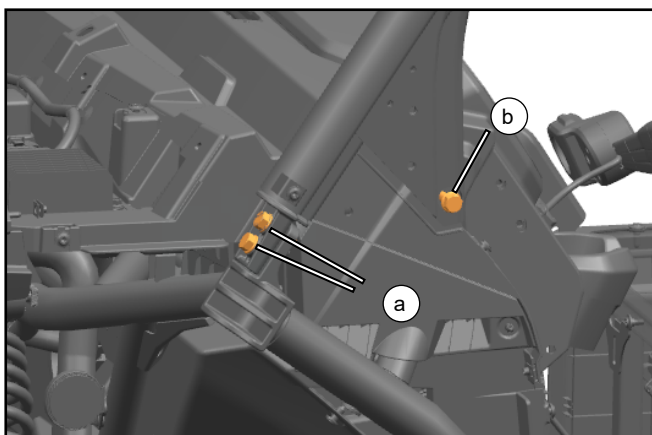
// Remove mounting bolts (a) on the passenger side of the cab connection assembly.

i // Two M8 bolts (a) need to be removed. Tool: 13mm socket. Tightening torque: 75N.M~85N.M.



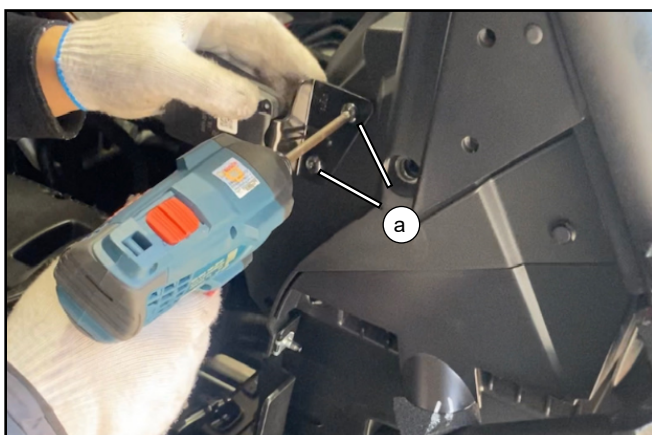
// Loosen the rear mounting bolts (a) of the front driver / passenger side cab (for subsequent removal of the dashboard upper body).

i // Tool: 16mm socket. Tightening torque (a): 75N.M~85N.M.



// Remove the front mounting bolts (a) and (b) of the front driver / passenger side cab

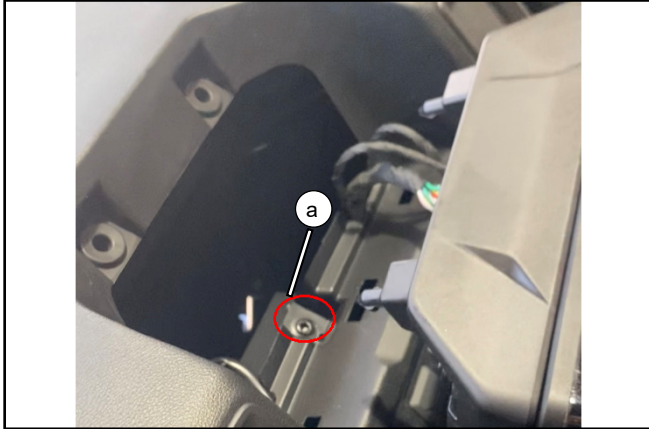
i // Tool: 16mm socket. Tightening torque (a): 75N.M~85N.M.



// Remove the driver / passenger side mounting latch (remove each two M6 bolts (a) on each side).

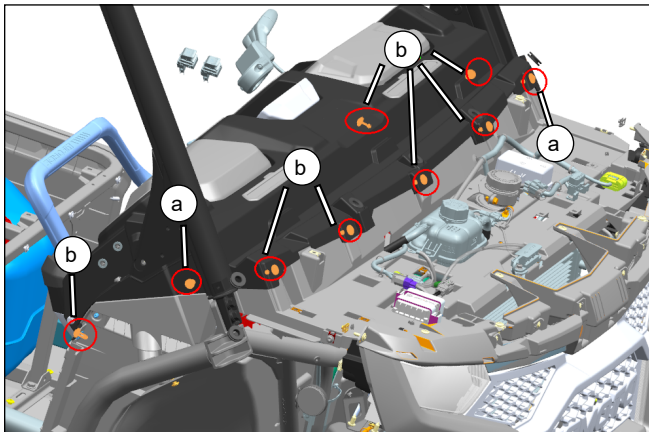
i // Tool: Trox key.

ASSEMBLY and INSTALLATION



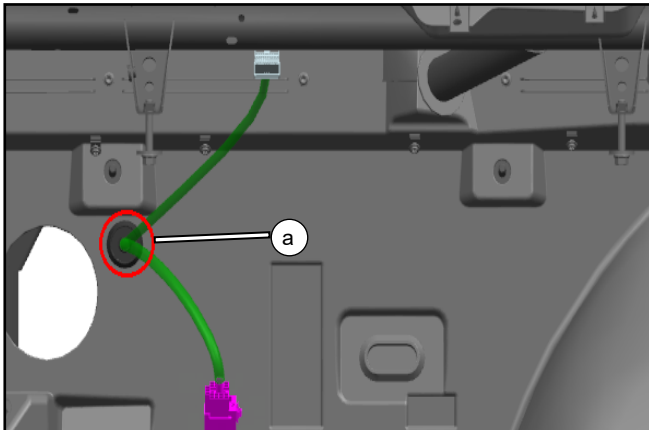
// Remove the dashboard from the dashboard upper body (a plastic fastener screwdriver can be used), remove the mounting bolt (a) on the dashboard upper body and unplug the connector on the dashboard.

i // Tools: Trox key, plastic fastener screwdriver.



// Remove the remaining seven M6 bolts (b) and two plastic clips (a) installed on the dashboard upper body, remove the front beam, and move the dashboard upper body upwards (easy to install harnesses and air ducts).

i // Tools: Trox key, plastic fastener screwdriver.

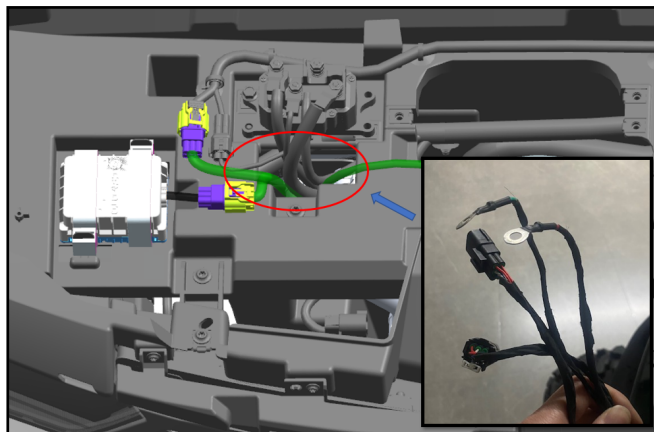


// Open a hole at the illustrated position (a) with ϕ 35 hole opener (for passing through the AC version harness).

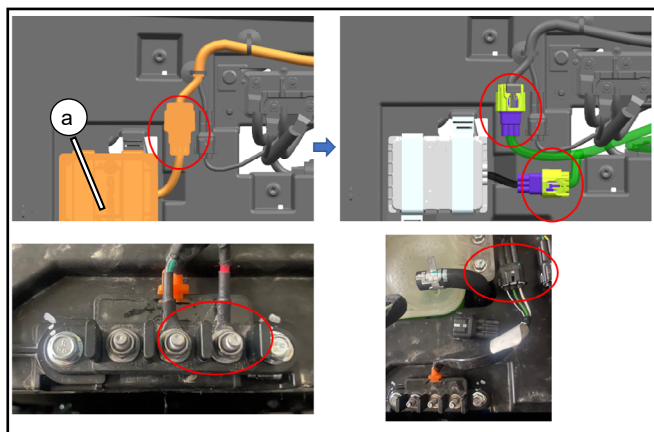


// In the cab, pass one end of the harness (as shown) through the hole drilled in the previous step and leave the other end in the cab.

ASSEMBLY and INSTALLATION



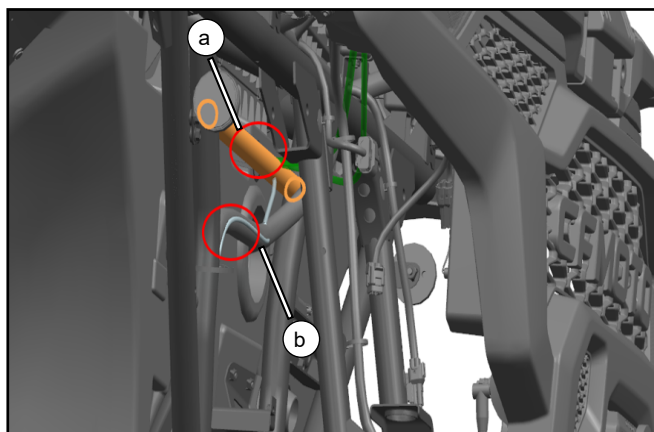
// Pass the single-row heating harness (as shown in the lower right corner of the picture) through the hole of the plastic part (see the red circle position).



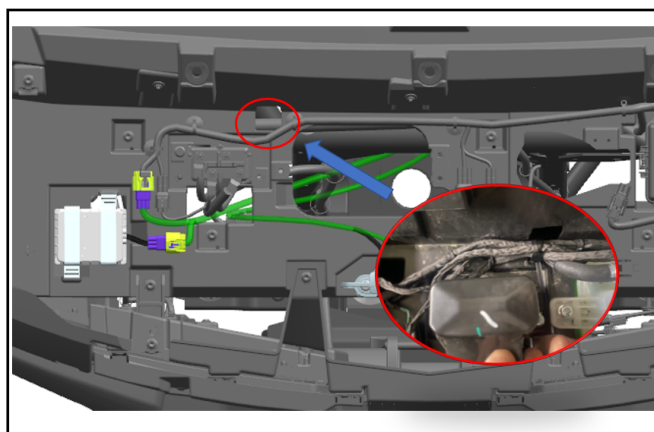
// Disconnect the TBOX (a) and the main cable connector (the red circle in the upper left picture), and plug the single-row heating harness into the TBOX and the main cable respectively (the red circle in the upper right picture).

// Install the power cord plug of the single-row heating harness and the expanded power supply (as shown in the bottom left picture), and install the expanded power supply with the main cable (as shown in the bottom right picture).

i // Tool: 10mm socket.

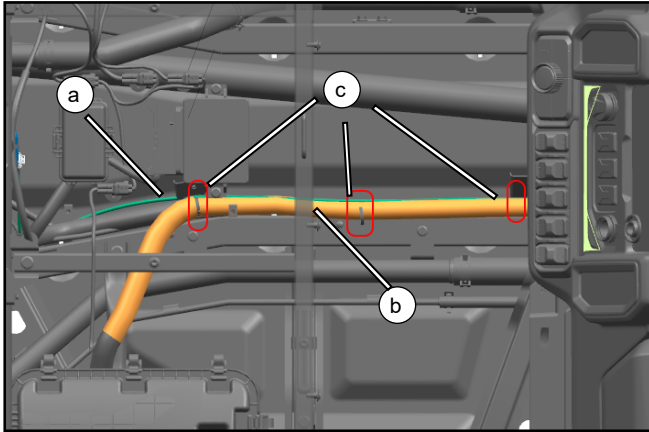


// The single-row heating harness that passes to the front end can be fixed to the frame with a tie band at the position (a) shown in the picture. The other harness (the thinner one) installed with the 3-way electric valve follows the routing of the main cable and can be fixed with the main cable with a tie band at the position (b) shown in the picture.



// Fix the long harness and the vehicle harness with a tie band (as shown in the position of the picture).

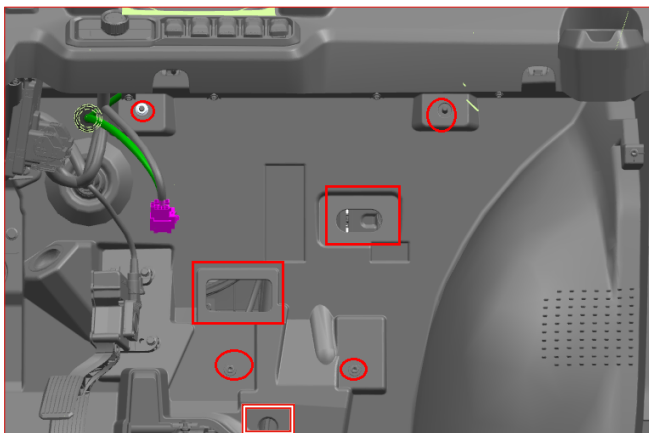
ASSEMBLY and INSTALLATION



// Continue to arrange the side of the heating harness installed with the 3-way electric water valve (a) along the main cable (b) on the vehicle. Then, secure the heating harness and the main cable with three tie bands (c).

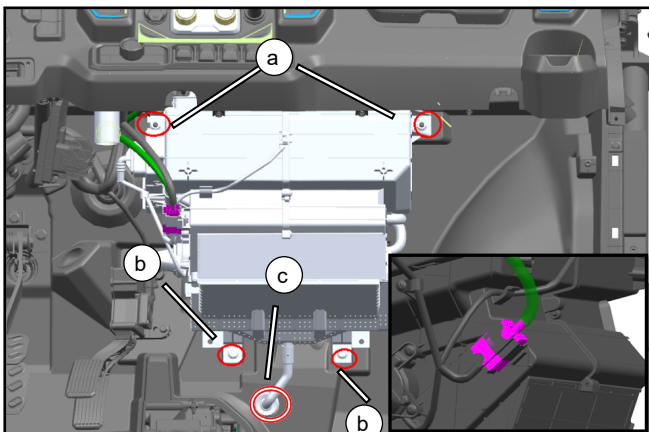


// Install the connector of the heating harness and the 3-way electric water valve connector.



// Remove the two nuts and bolts used to install the heater motor assembly on the front fender in the cab, and then remove the three rubber plugs on the front fender.

i // Tool: 13mm socket.



// Then install the heater motor (replace the lower end bolts with M8*25 bolts (b)), and connect the heating harness with the heater motor assembly (see the picture at the lower right corner for the harness connection), and install the drain hose into the lower side drain hole (c).

i // Tool: 13mm socket.

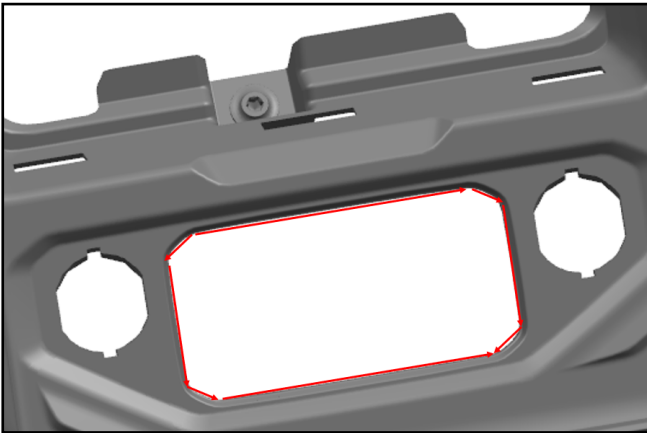
ASSEMBLY and INSTALLATION



// Remove the switch plug and USB interface installed on the dashboard panel, and remove the cigarette lighter (the picture shows the appearance after removal).



// Place the panel bracket in the illustrated position and draw the part of the dashboard panel that needs to be cut, then remove the panel bracket.

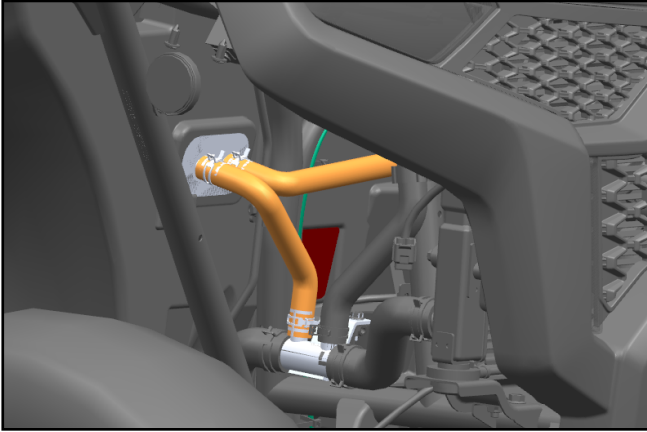


// Cut the marked part with a utility knife or other tool.



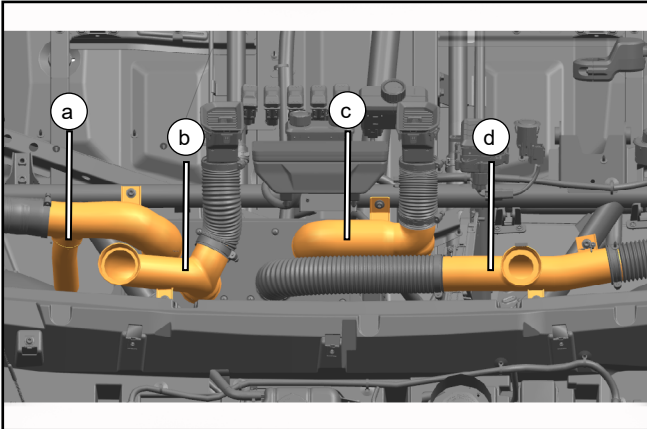
// Install the panel bracket, USB interface and cigarette lighter interface on the dashboard panel, and connect the heating harness with the plug-in interface of the heating control panel (see the upper right corner of the picture).

ASSEMBLY and INSTALLATION



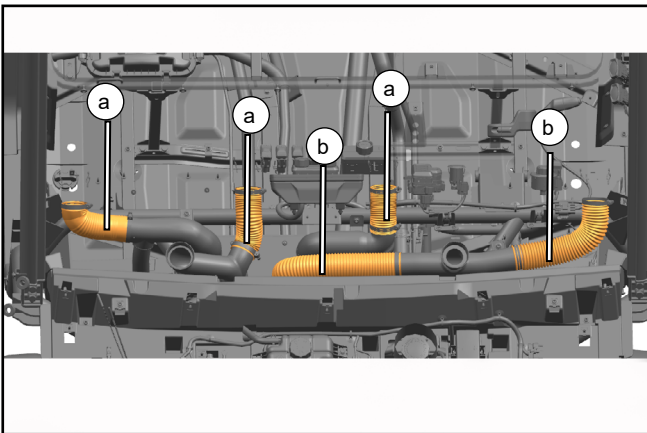
// Connect the heater outlet pipe and the heater intake hose 2 with the heater motor assembly and the 4-way aluminum pipe.

i // Three clamps B23 are needed. Tool: Clamp pliers.



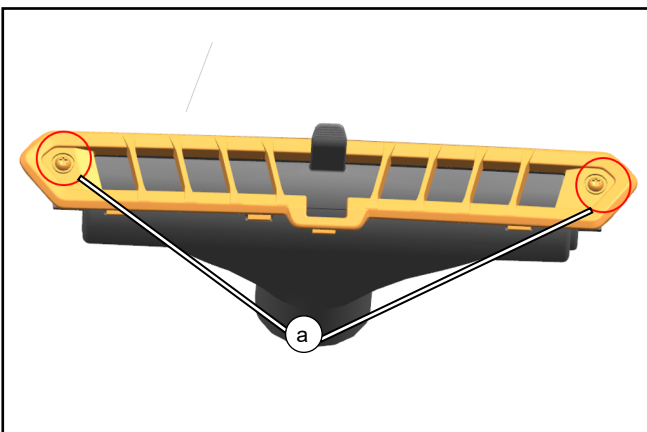
// Install the passenger side air duct 2 (a), the middle passenger side air duct 2 (b), the middle driver side air duct 2 (c), and the driver side air duct 2 (d) (from left to right in the left picture) on the frame and the heater motor assembly.

i // Tool: Trox key.



// Install the driver side air duct 1 (a) and driver side air duct 3 (b) on each duct pipe shown in the picture.

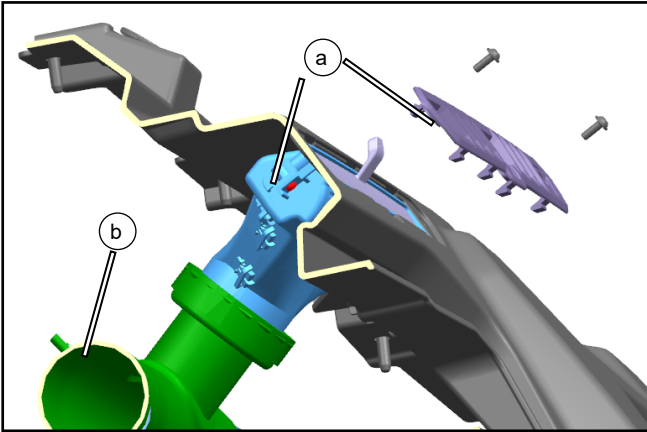
i // Five A-type screw clamps (50-70) are needed. Tool: Flat-head screwdriver.



// Remove the two self-tapping screws (a) on the defrosting tuyere, then separate the defrosting grille (marked yellow part) from the defrosting ventilation orifice.

i // Tool: Trox key.

ASSEMBLY and INSTALLATION



// Install the defrosting ventilation orifice (a) after separation on the dashboard upper body, and connect the other end with the middle passenger side air duct 2 (b) and the driver side air duct 2 respectively (there are two defrosting ventilation orifices).

i // Tool: Trox key.



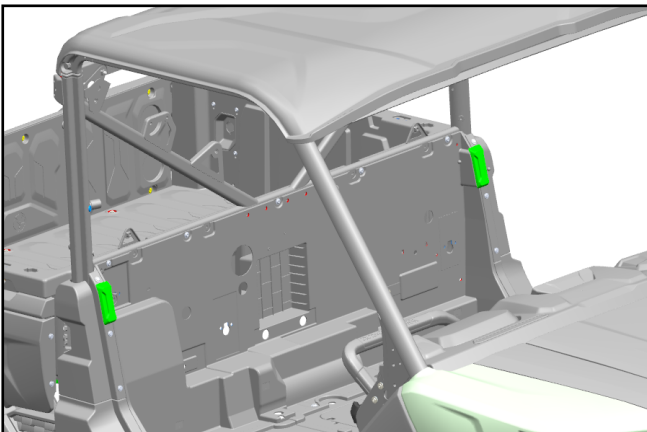
// Install the dashboard upper body back on the vehicle body, pull the driver side air duct 1 and the driver side air duct 3 out of the dashboard upper body, and then assemble the driver / passenger tuyere (there are four in total), and then install them back on the dashboard upper body.

i // Five A-type screw clamps (50-70) are needed. Tool: Flat-head screwdriver.



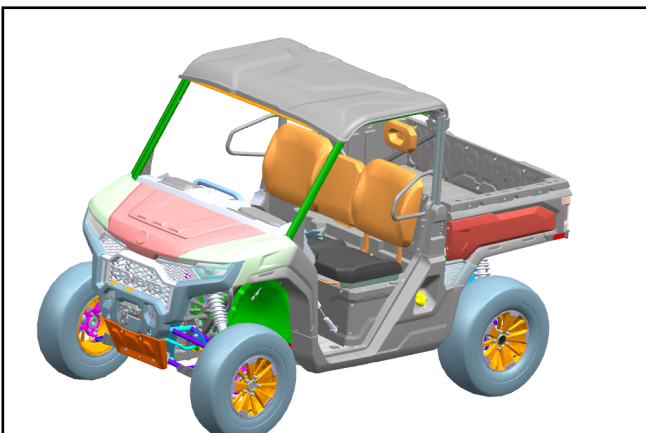
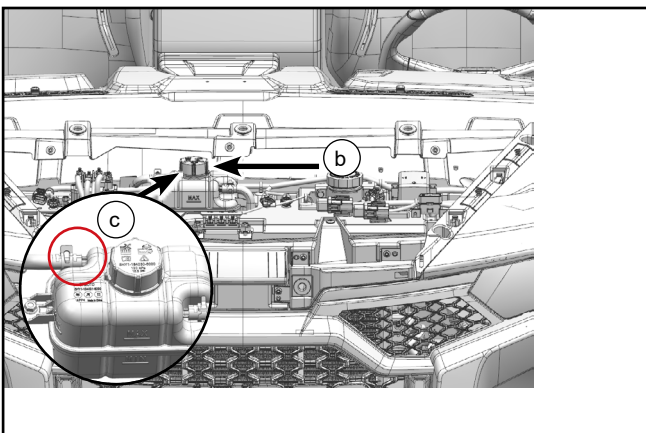
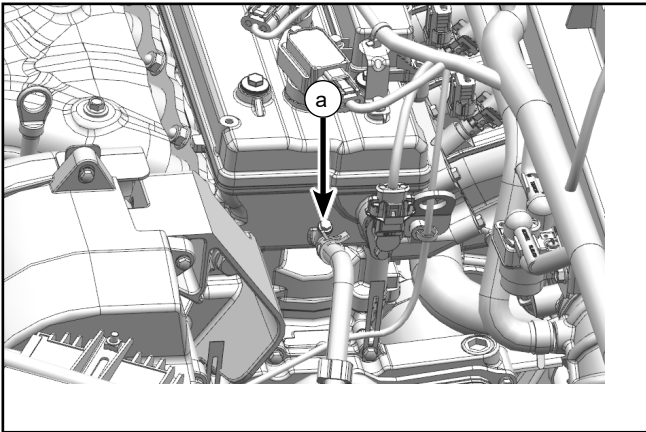
// Install the AC guard on the vehicle body (there are two self-tapping screws at the upper end and two plastic clip assemblies at the lower end).

i // Tool: Flat-head screwdriver.



// If the side door need to be installed, the original driver / passenger side bumper needs to be removed, the bumper plug can be used to block the installation hole.

ASSEMBLY and INSTALLATION



1. Press 'START/STOP' button to power on, rotate the AC knob to heating mode, raise up the cargo box.
2. Loosen the air bleed screw (a) at the exhaust port of the engine (loosen a couple of turns).
3. Open the expansion tank cap (b) and replenish the coolant until it flows out from the air bleed screw (a). Tighten the air bleed screw (a) and replenish the coolant to 'MAX' level line of the expansion tank.
4. Start the vehicle, idle the engine for 30 seconds (do not install the expansion tank cap during the warm up), and inspect the exhaust port (c) at the expansion tank for coolant flow. If there is no flow, turn off the engine and loosen the air bleed screw (a) until there are no more bubbles in the coolant flow. Tighten the air bleed screw (a) and replenish the coolant to the 'MAX' line as necessary.
5. Repeat step 4 until coolant flows out at the expansion tank exhaust port (c), then install the expansion tank cap. Start the engine and idle until the cooling fan starts, then turn off the engine.
6. Wait until the engine cools down, then verify the fluid level at the expansion tank to ensure it is between the 'MIN' and 'MAX' lines.
7. Inspect the cooling system for leaks. If any are found, contact your dealer to inspect it.
8. Lower the cargo box, then install the front middle panel.

// Restore the parts of the original vehicle and complete the assembly.

i Install in the reverse order of removal.