



A DFK AMERICA COMPANY

INSTALLATION INSTRUCTIONS

CUSHMAN

TITAN XD/HD



SAFETY INSTRUCTIONS

Warning: Failure to heed all safety and operating instructions and warnings regarding use of this product can result in serious bodily injury.

READ PROPERLY COMPLETE ASSEMBLY INSTRUCTIONS BEFORE STARTING OF ASSEMBLY

Install all parts indicated in assembly instructions. Failure to fully assemble product before use could result in personal injury.

Assembly of product requires use of hand or power tools. If you are not experienced in using these types of tools, have product dealer do the install for you.

Some parts contain sharp edges, wear protective gloves if necessary.

Always keep your assembly area clean, uncluttered and well lit.

Keep visitors and children a safe distance away from the assembly area. Visitors should wear the same safety equipment described under.

Dress for safety. DO NOT wear loose clothing, gloves, neckties or jewelry if using power tools to assemble this product.

Insert all nut covers after you finish installation.

Never drive your UTV with the cab front window in open position. Failure to properly latch/lock front window before driving the vehicle could result in serious injury.

Never operate your UTV with the cab doors open. Failure to properly latch the doors before moving the vehicle could result in serious injury.

MAINTENANCE AND CLEANING

To clean polycarbonate parts use soapy water solution or other non-abrasive cleaners.

Wash dirt and dust gently with water stream and wipe only with wet or damp cloth/sponge from top to bottom.

The recommended frequency of cleaning the polycarbonate panels is about once a month (or more) depending on how dirty the cab gets.

*DO NOT use cleaning materials that could scratch the polycarbonate or metal surfaces of the cab.
(abrasives, harsh fabrics, brushes ...etc.)*

DO NOT use solvents, or alkaline detergents, or cleaners with ammonia (ammonium hydroxide).

DO NOT remove any impurities from the surface with razor blades or other sharp items.

DO NOT clean cab when the polycarbonate plates are heated by the sun.

DO NOT use a squeegee as it could scratch the polycarbonate doors and back windshield.

DO NOT clean/pressure wash with a water current strength greater than 725PSI

The manufacturer is not responsible for scratching the surface in case of failure to comply with the above instructions.

All bolted connections of cab must be checked by the user at regular intervals and retightened if needed.

Please be careful to not break the plastic washers. Tighten screws with plastic washers to max torque of 3.7 foot-pound force (5 Nm)!!!

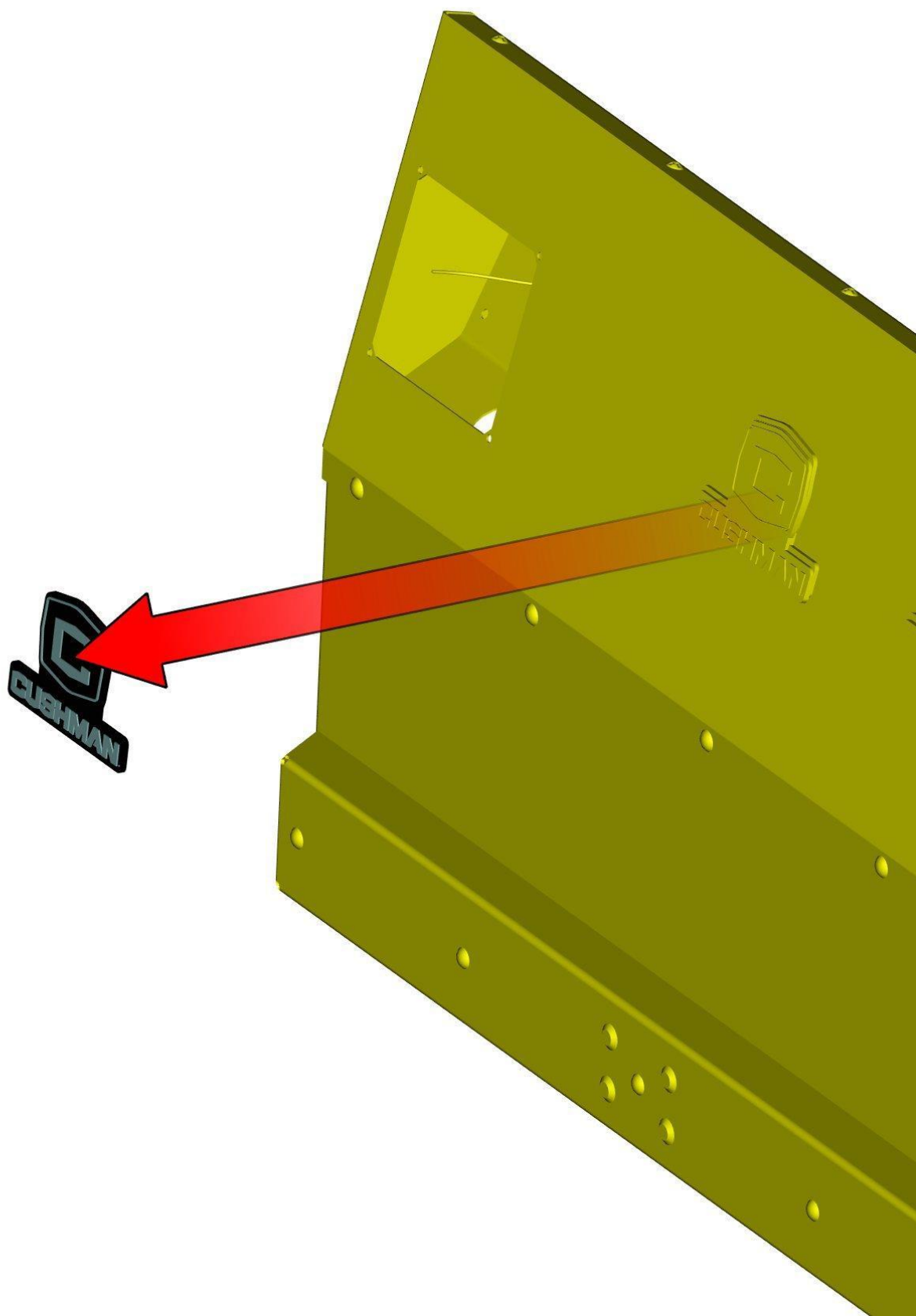
PREPARATION FOR INSTALLATION:

Uninstall headlights from the front of the vehicle and set aside for re-installation later in instructions. Be sure to mark the wires with tape for easier re-install.

CAB PREVIEW

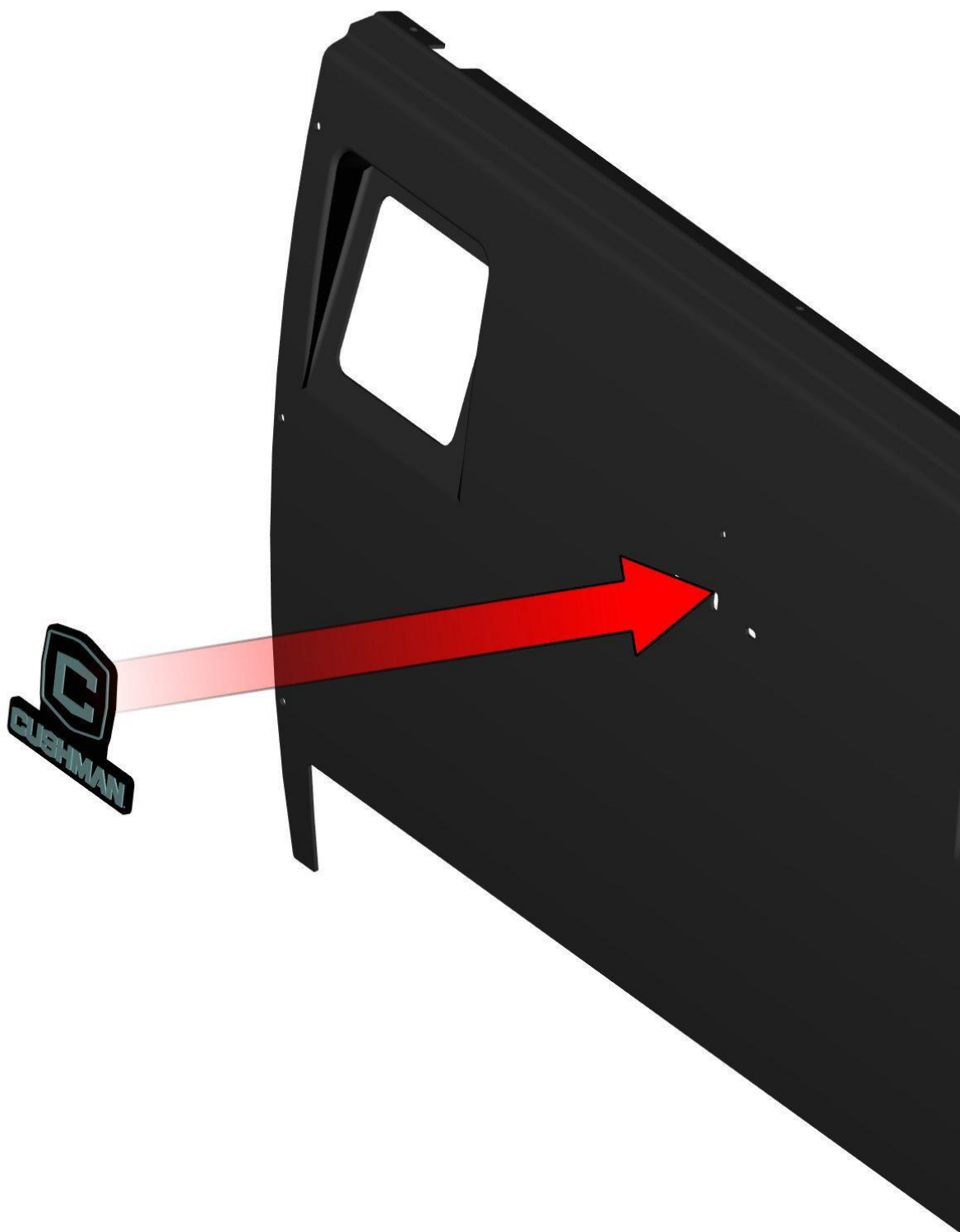
4

Uninstall the Cushman badge from the vehicle's front panel.



5

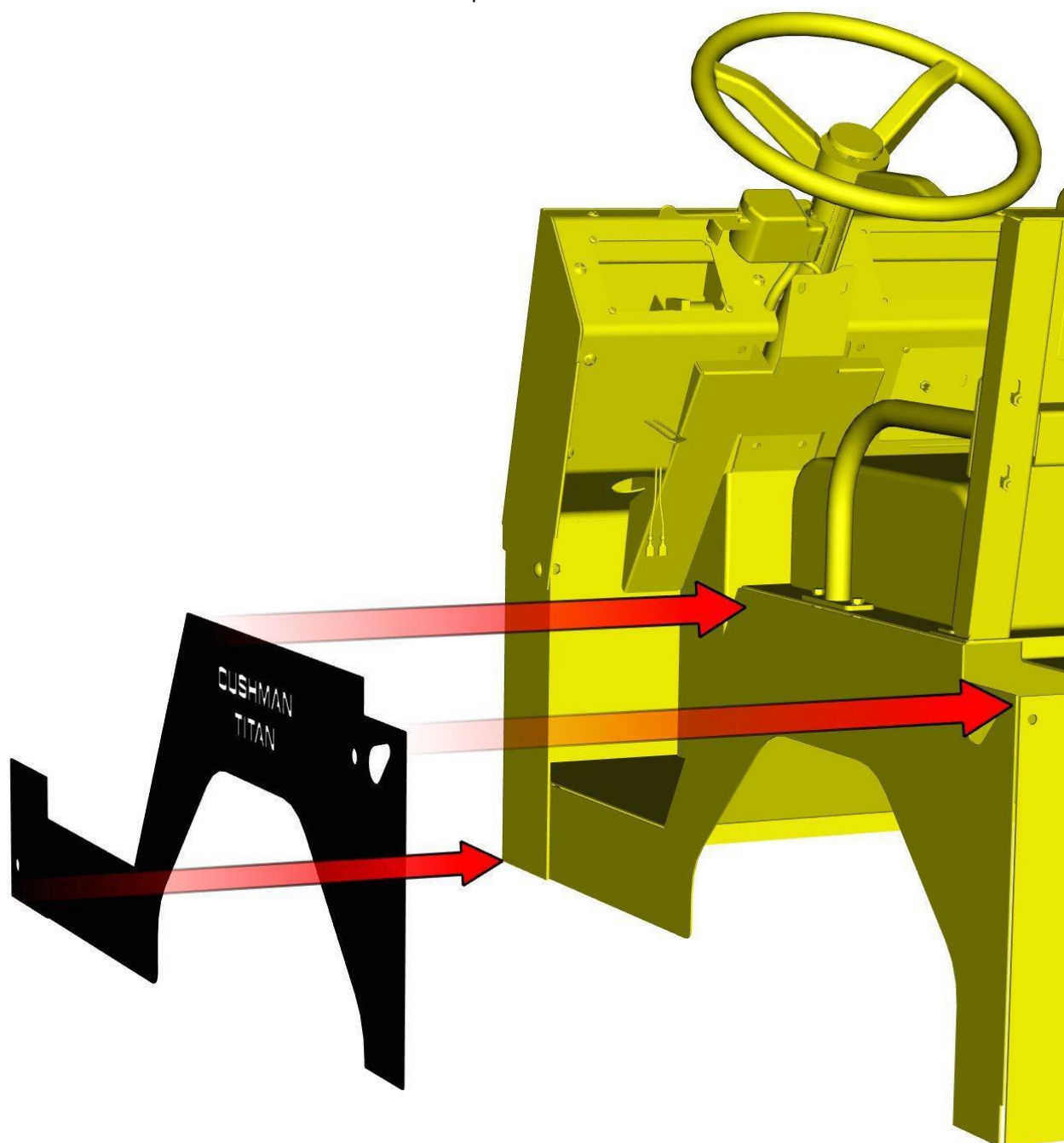
Mount the badge onto the front plastic panel using the original hardware.



6

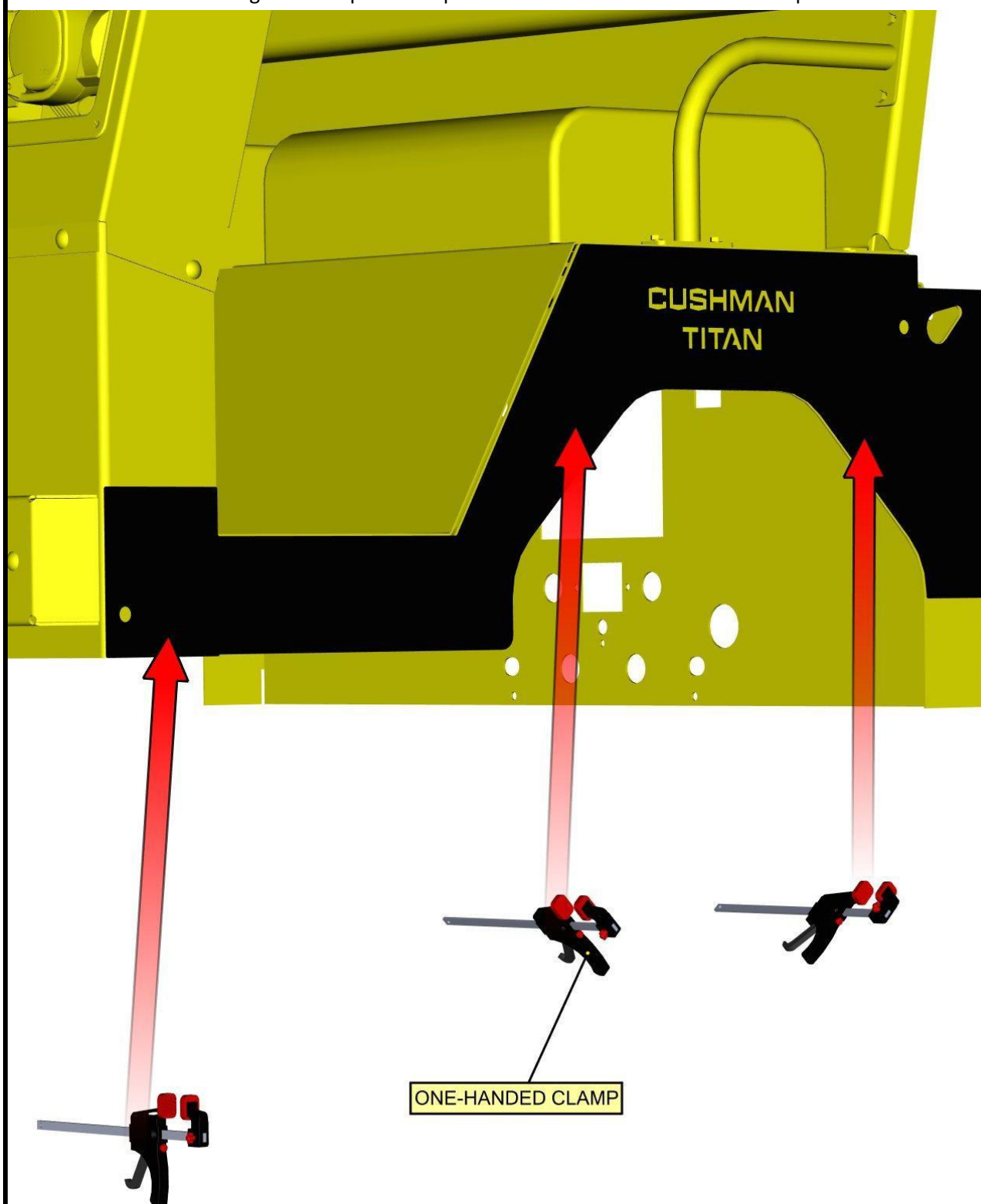
LEFT DOOR FRAME+ RIGHT DOOR FRAME

Place the template onto the vehicles side.

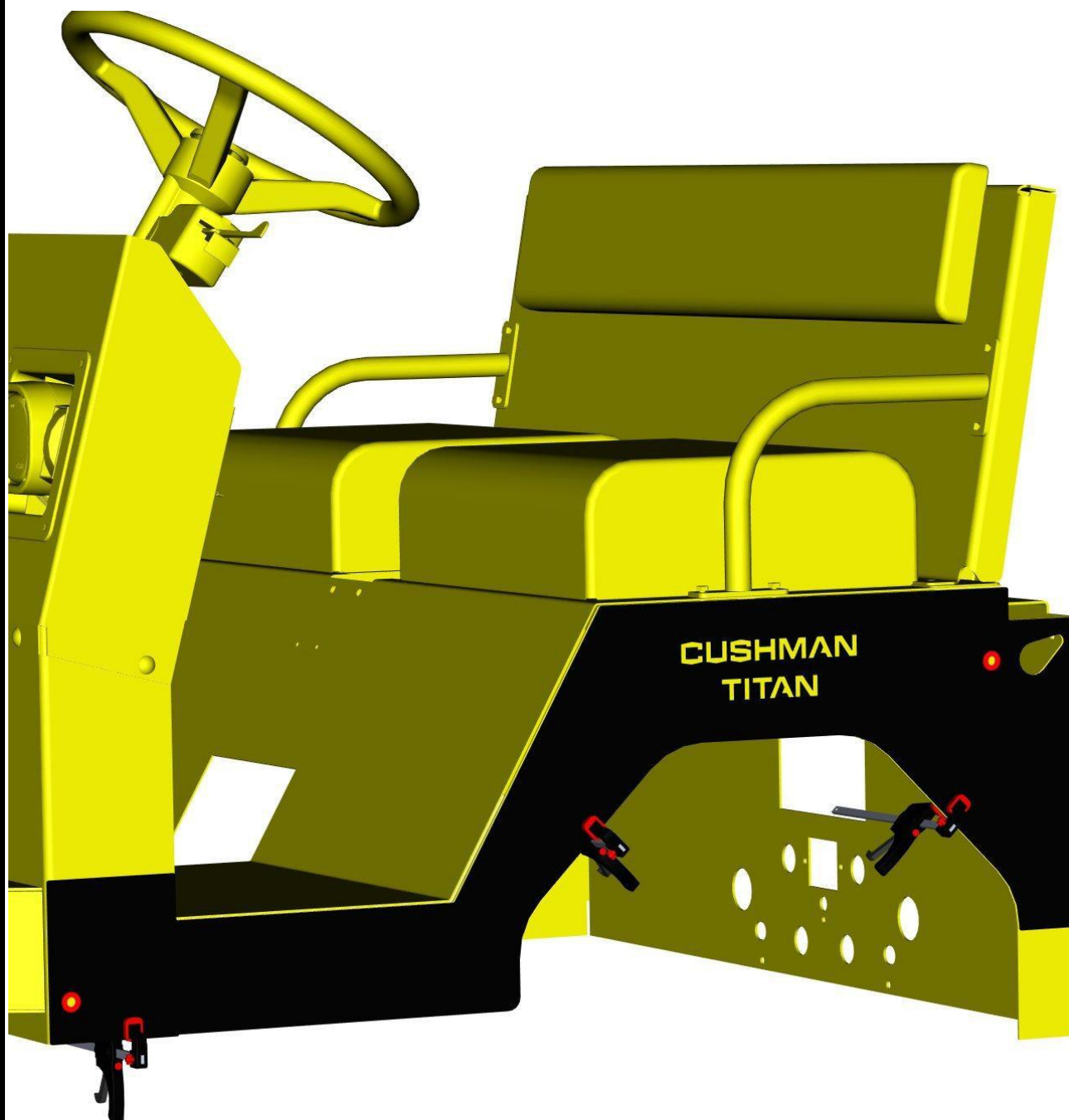


7

Align the template into position and fix with one-handed clamps.

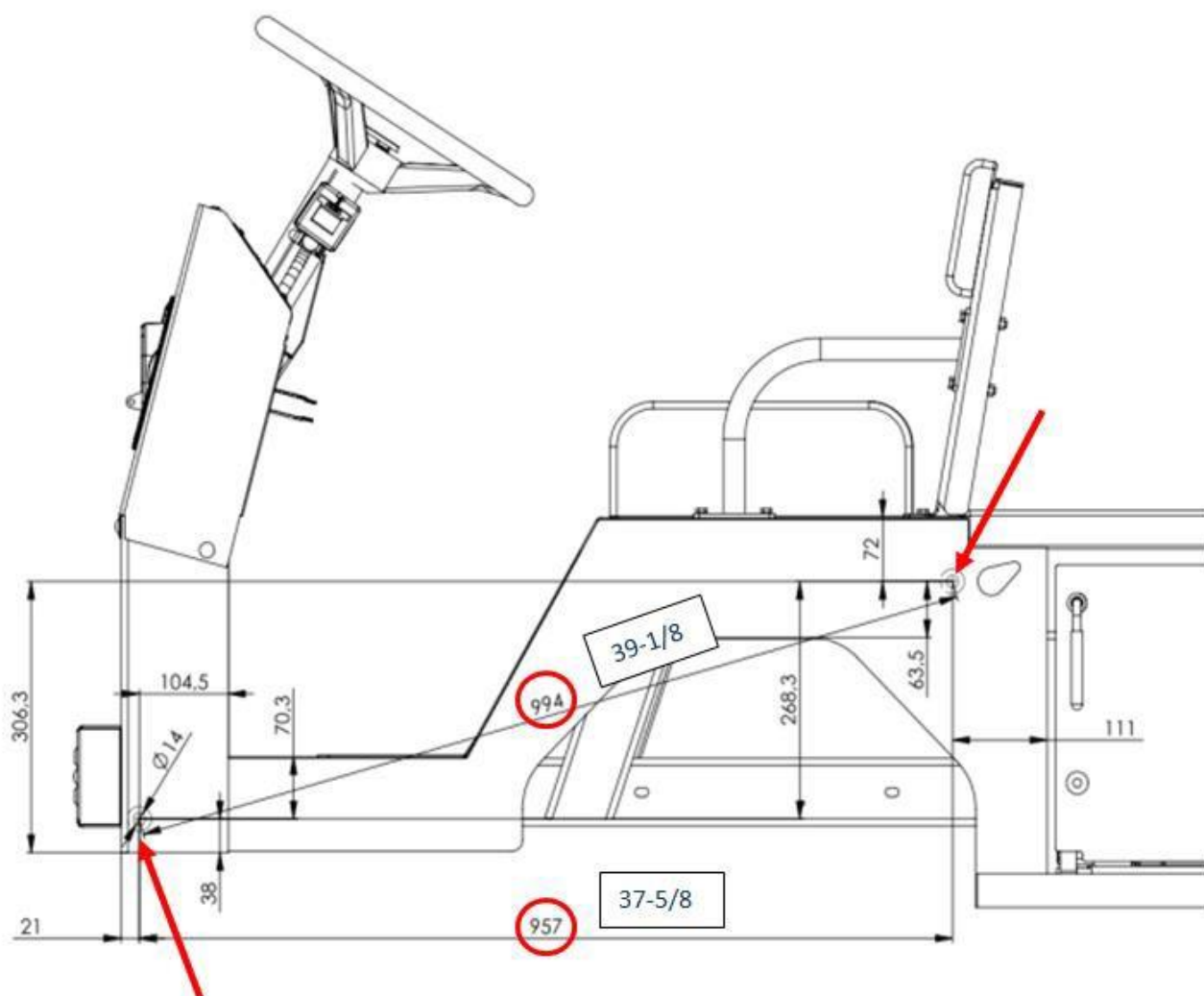


Make marks on the sides of the vehicle in accordance with the picture below (red arrows).



MAKE SURE THAT ALL DISTANCES ARE CORRECT.

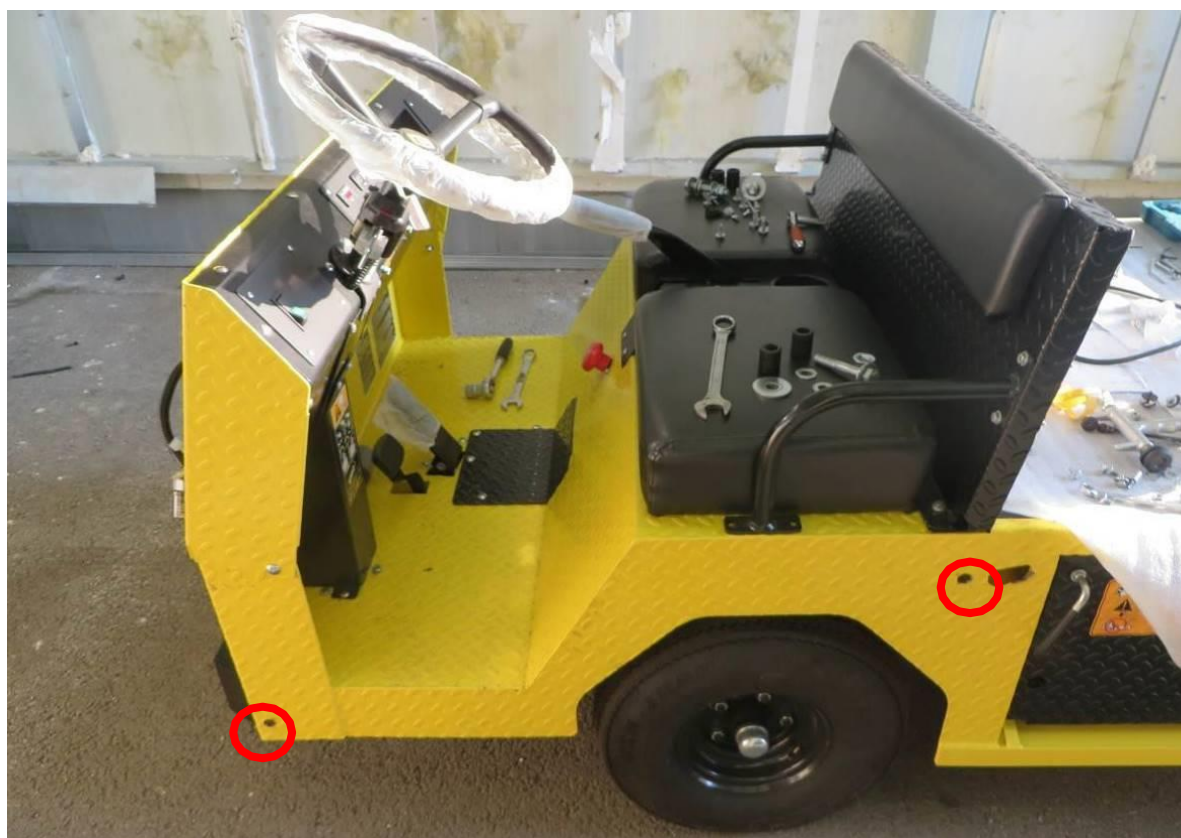
mm / STANDARD



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SEE NEXT PAGES

Drill Ø 14mm holes centered into the marks (red circles).

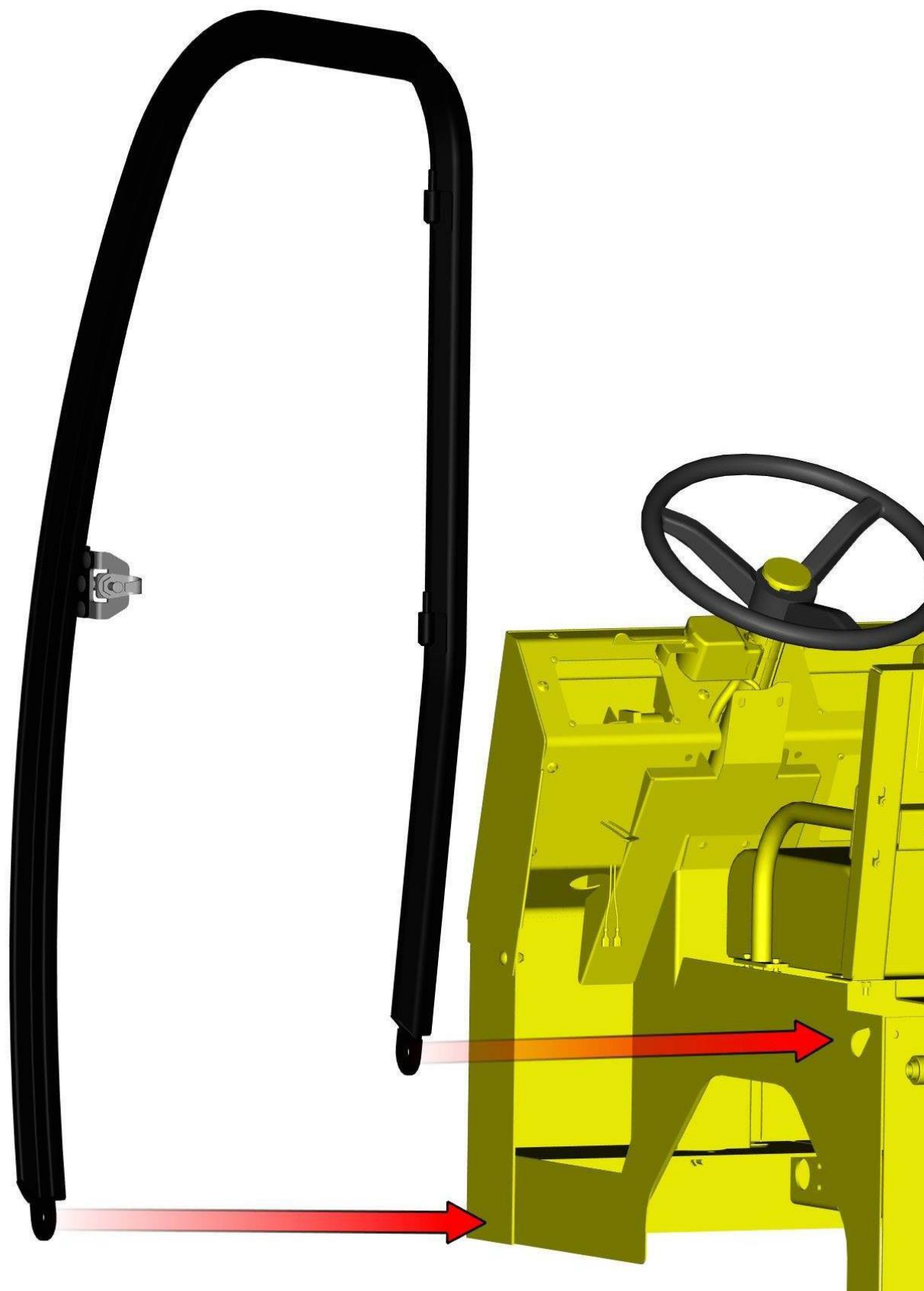


SEE NEXT PAGE

DETAILED VIEWS

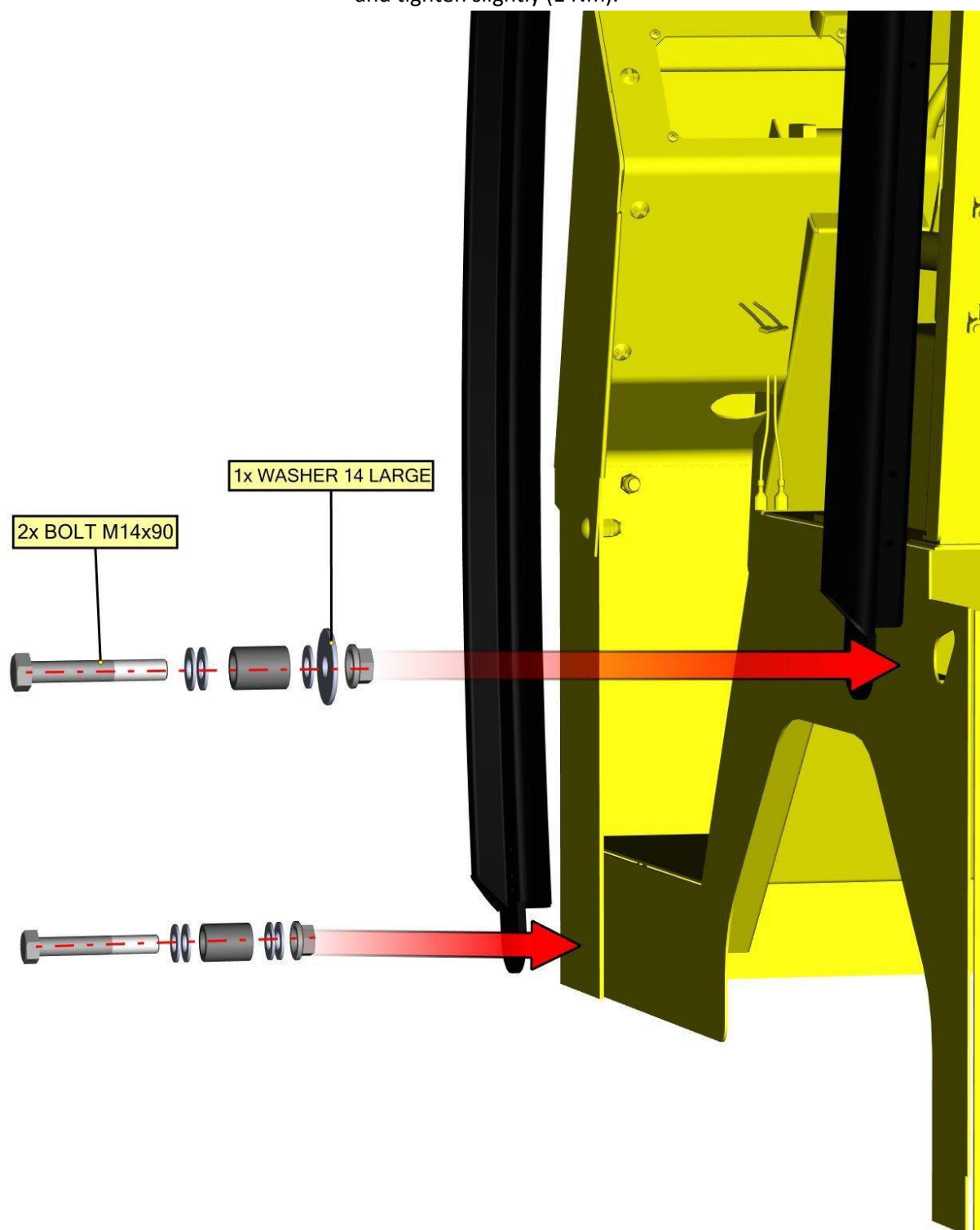


Remove the Left Door from the frame by lifting it off the hinge pins
Place the left door frame onto the vehicle side in accordance with the prepared holes.



13

Mount the left door frame to the vehicle using the included bolts, washers and nuts and tighten slightly (1 Nm).



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SEE NEXT PAGE

DETAILED VIEWS

For the rear frame mounting assembly use included thick washer (red circle).



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DETAILED VIEWS



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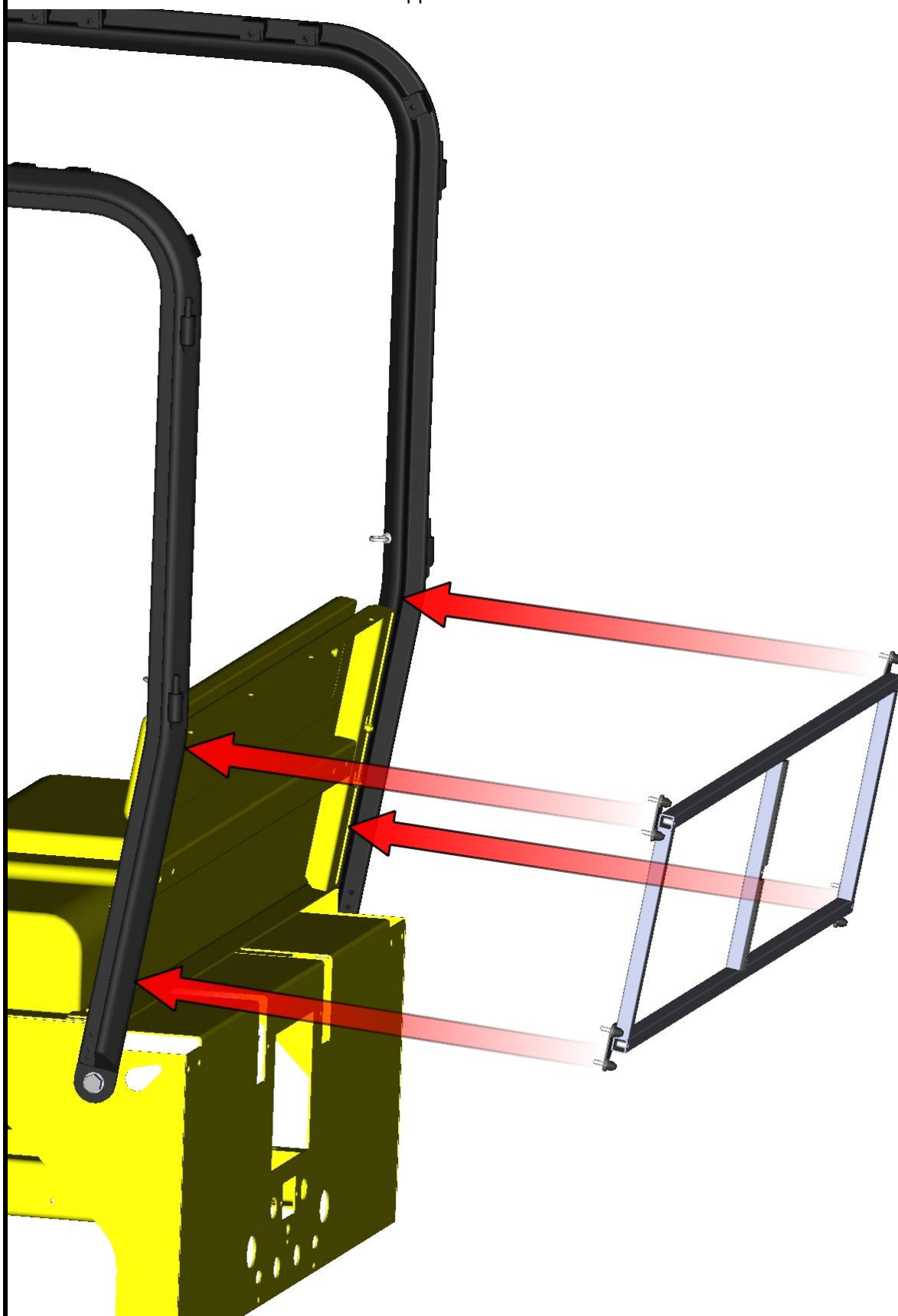
Repeat previous steps to install the right door frame.



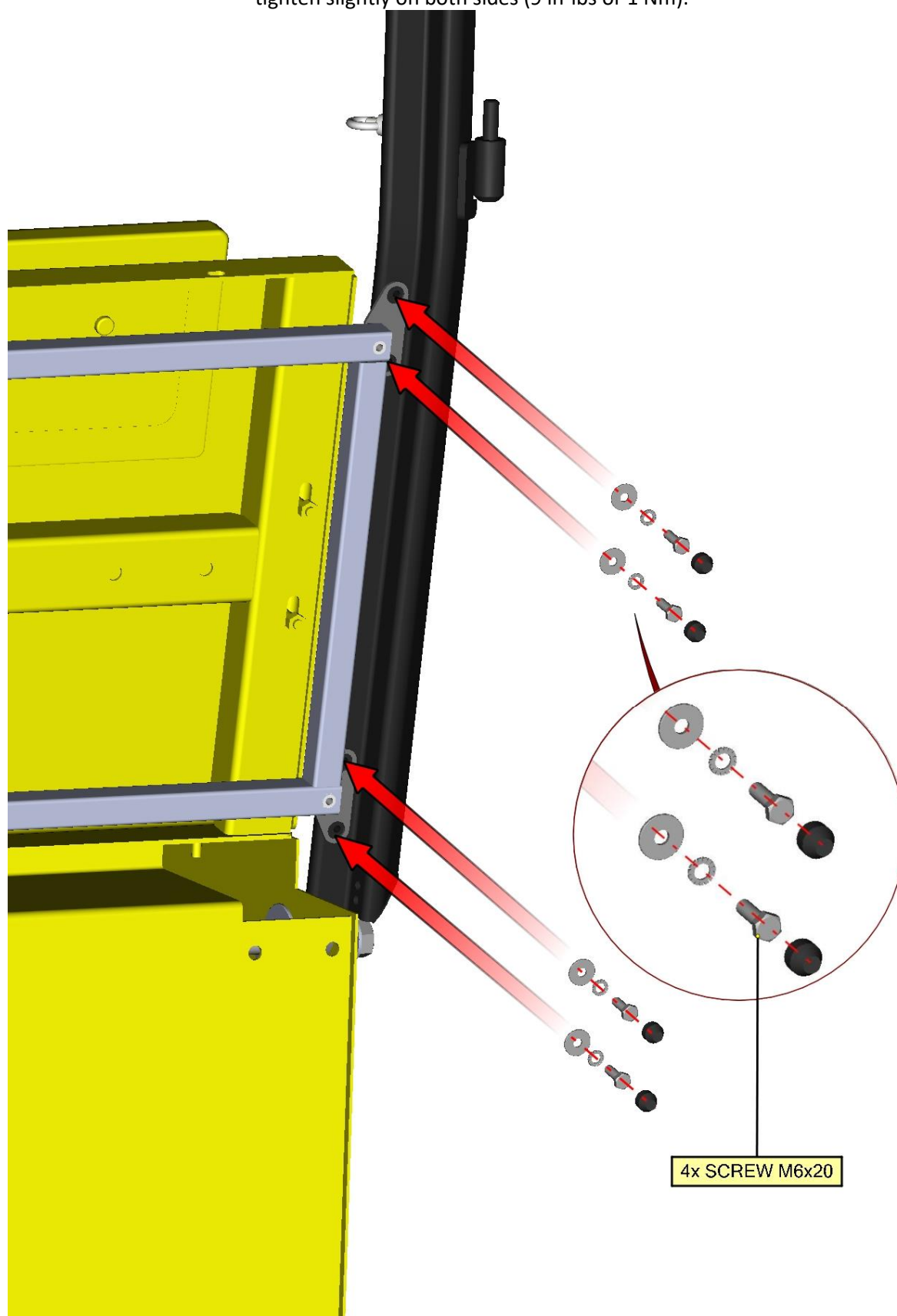
17

REAR PANEL 1.

Place the rear support "X" cross onto the door frames.

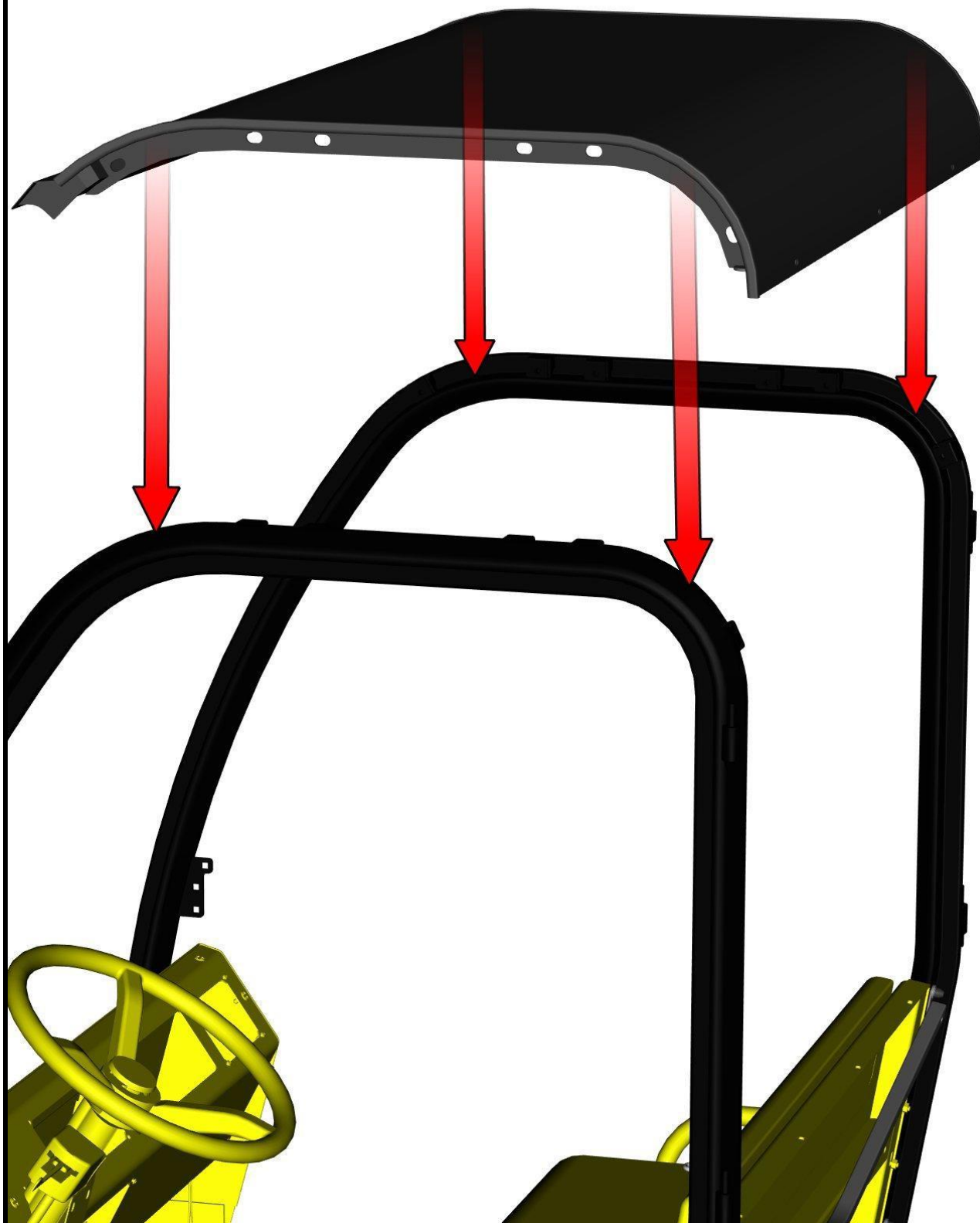


Mount the rear support "H" frame to the door frame using the included bolts, washers and covers and tighten slightly on both sides (9 in-lbs or 1 Nm).



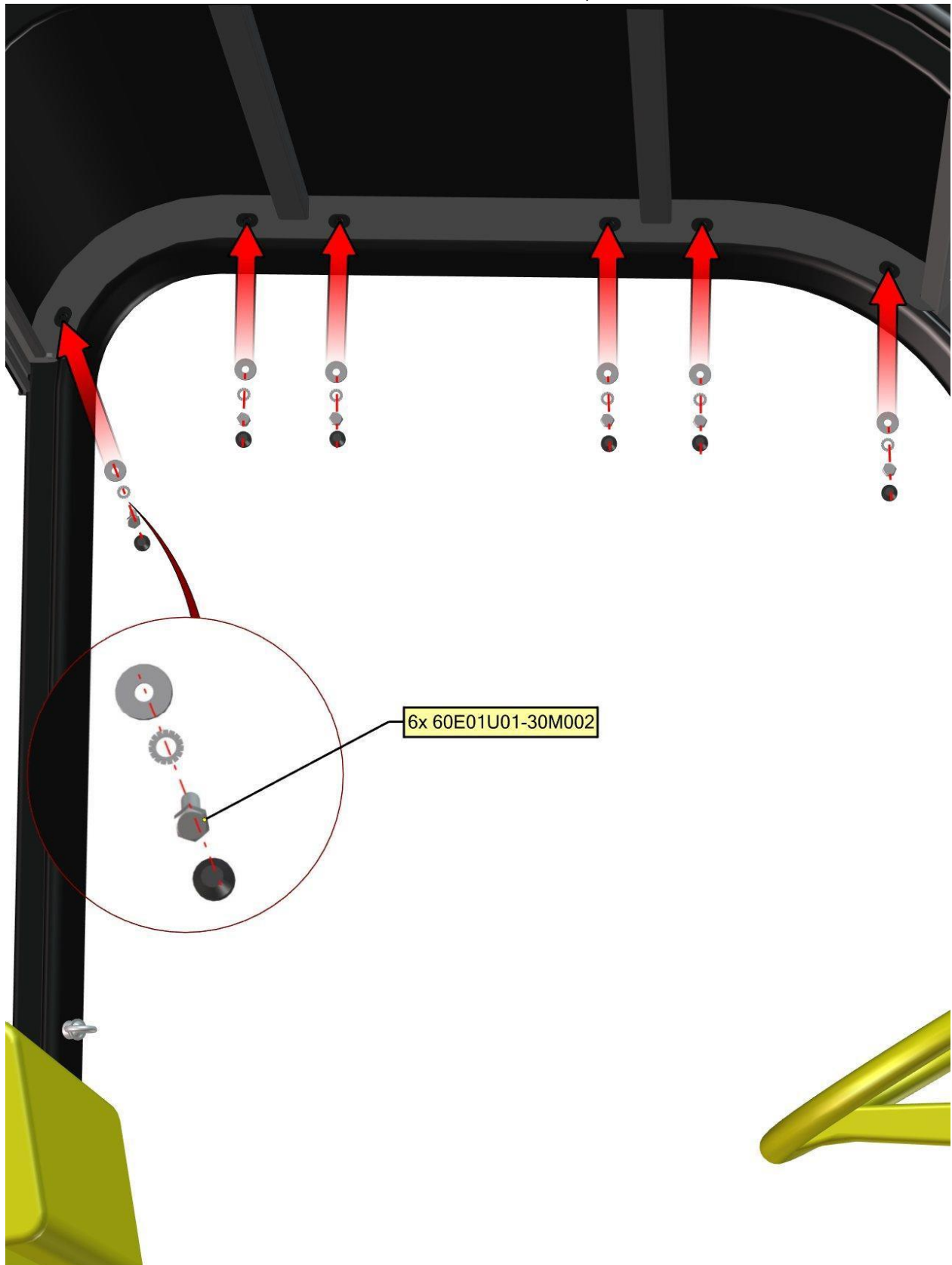
ROOF

Place the roof onto the door frames and align into position with the original rivet nuts.



20

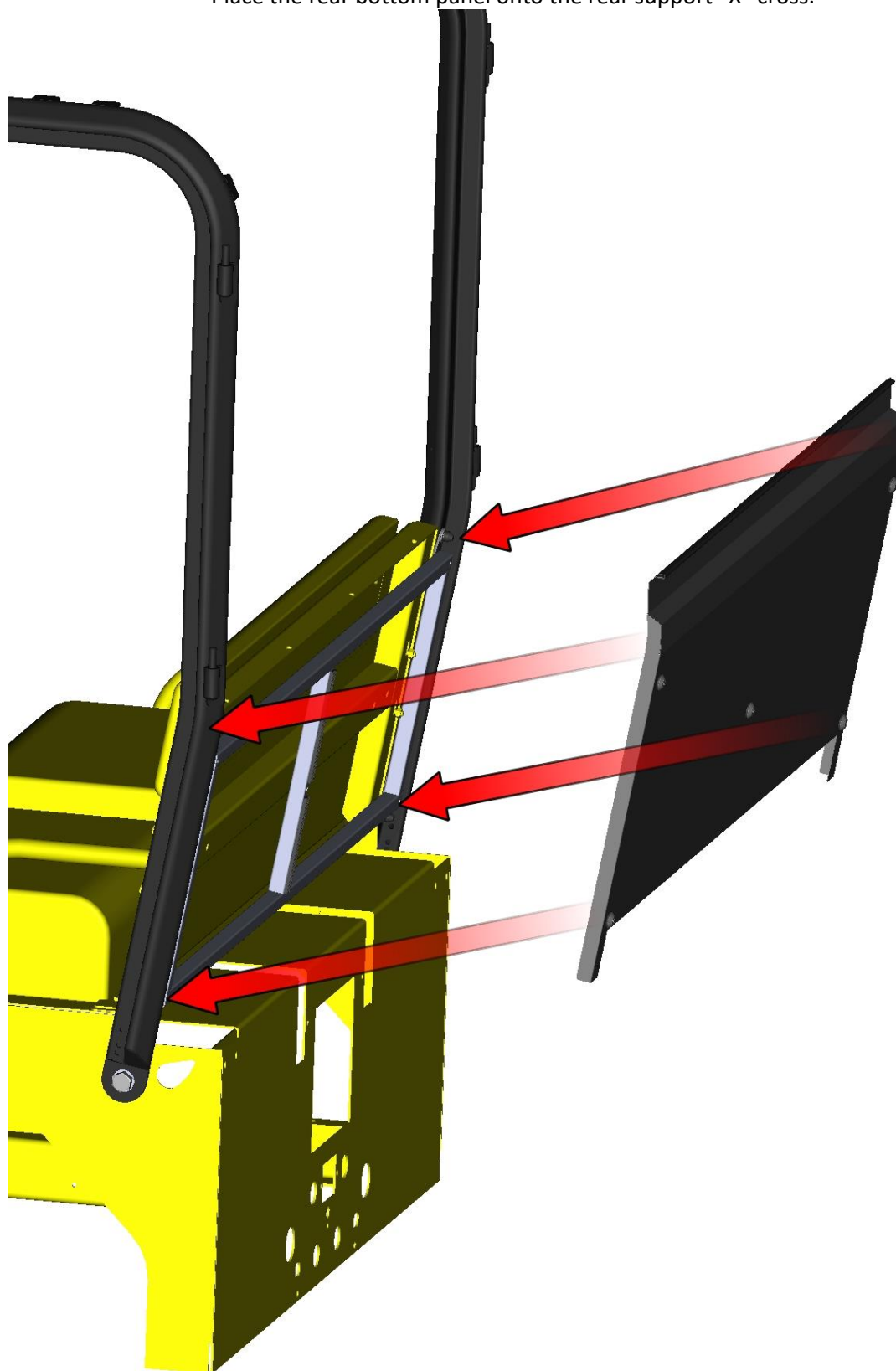
Mount the roof to the door frame with the included bolts, washers and covers on both sides.



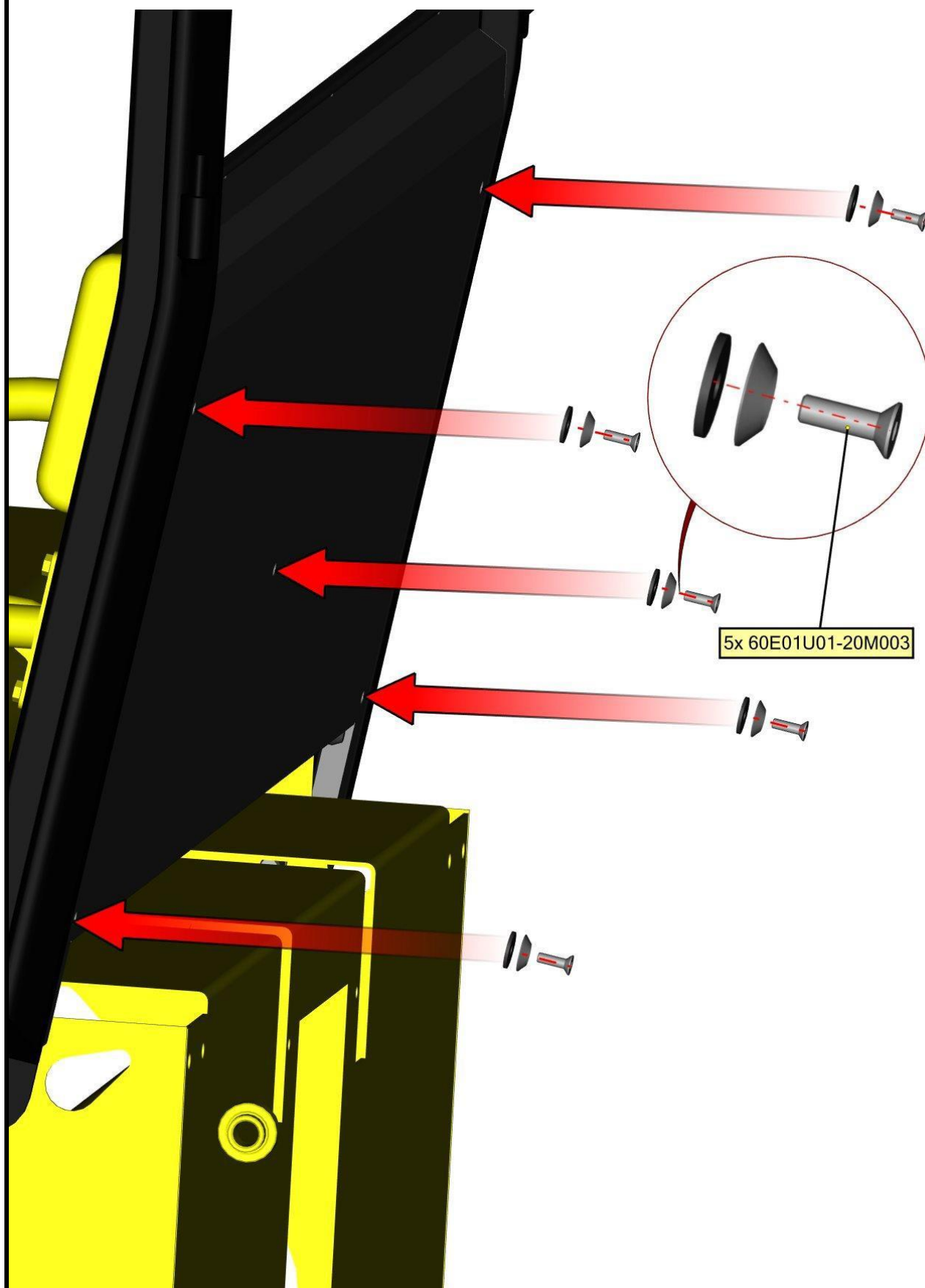
NOW TIGHTEN THE DOOR FRAMES BOLTS AND THE REAR SUPPORT "X" CROSS BOLTS CORRECTLY.

REAR PANEL 2.

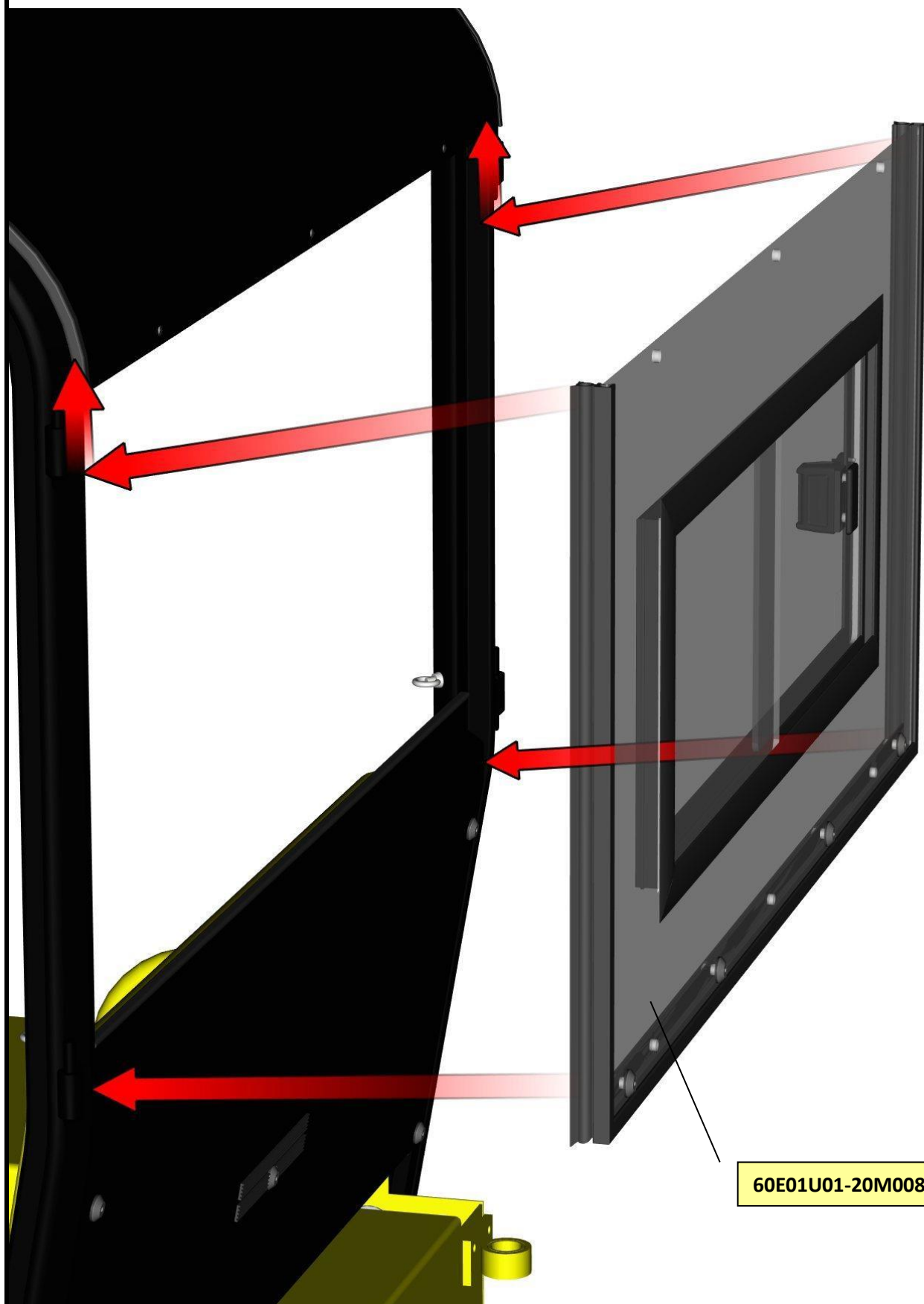
Place the rear bottom panel onto the rear support "X" cross.



Mount the rear bottom panel to the rear support "X" cross with the included bolts and washers.

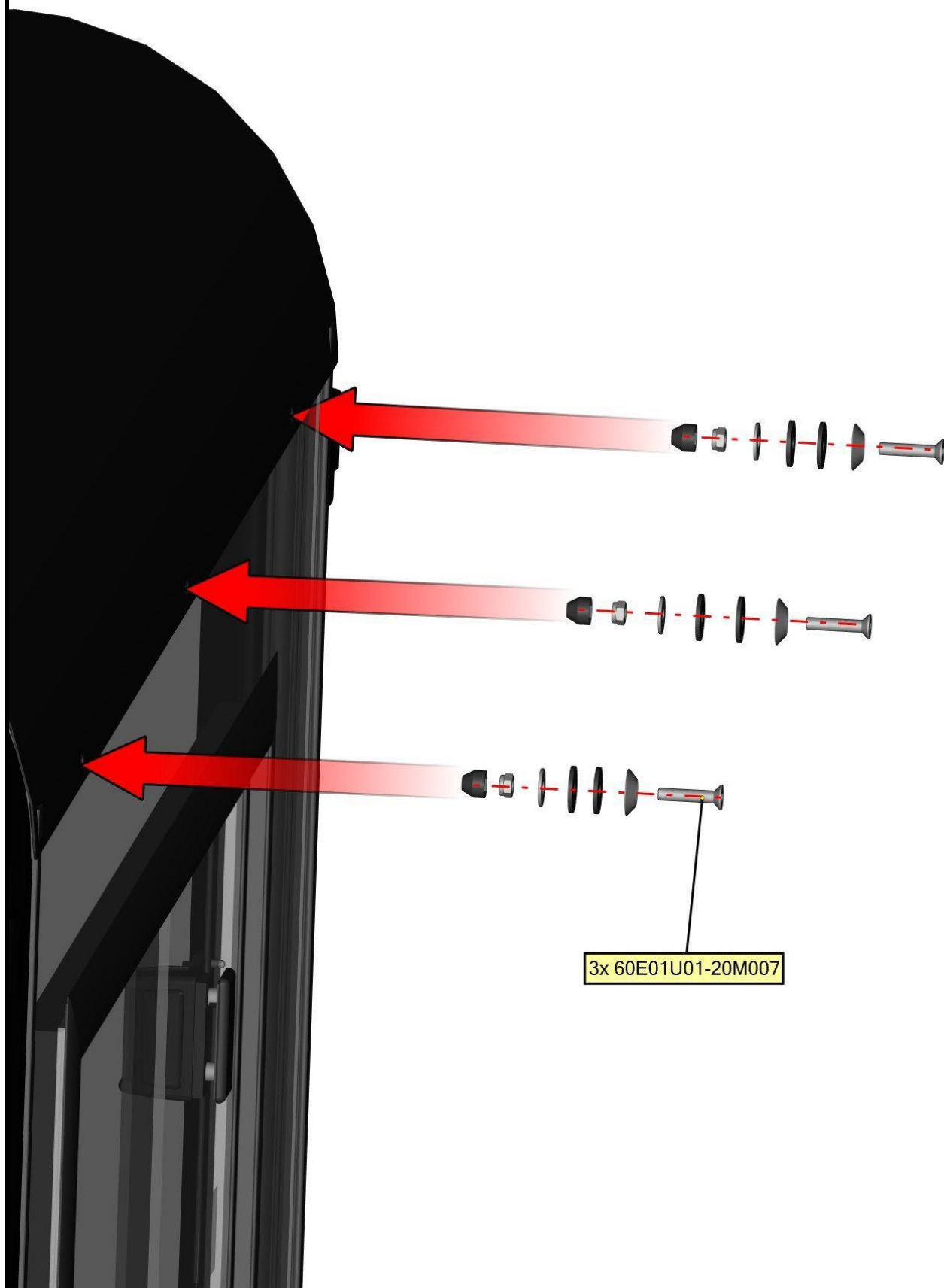


Align the rear polycarbonate assembly into position.



24

Mount the rear polycarbonate to the roof with the included bolts, washers, nuts and covers.



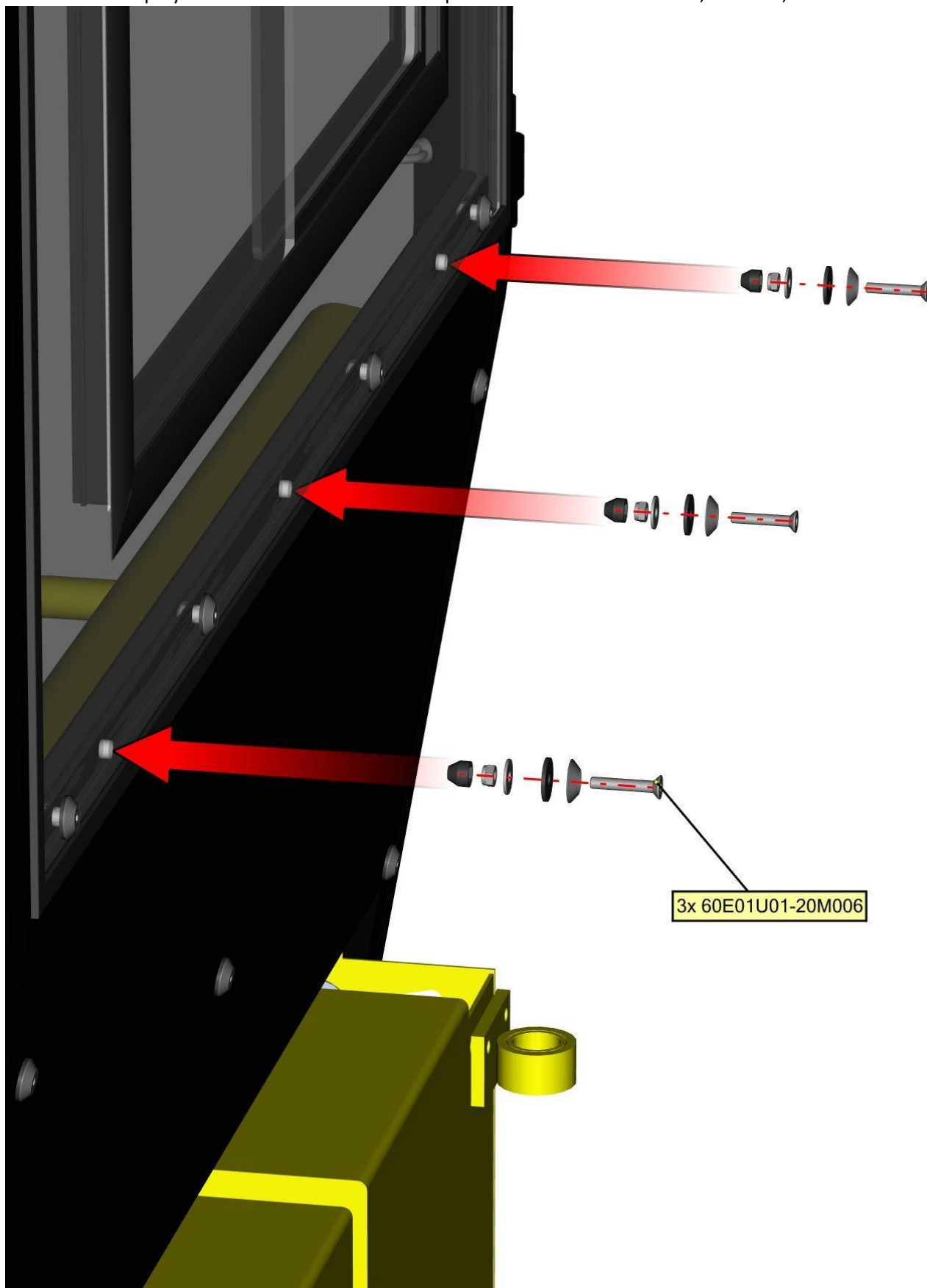
25

DETAILED VIEW



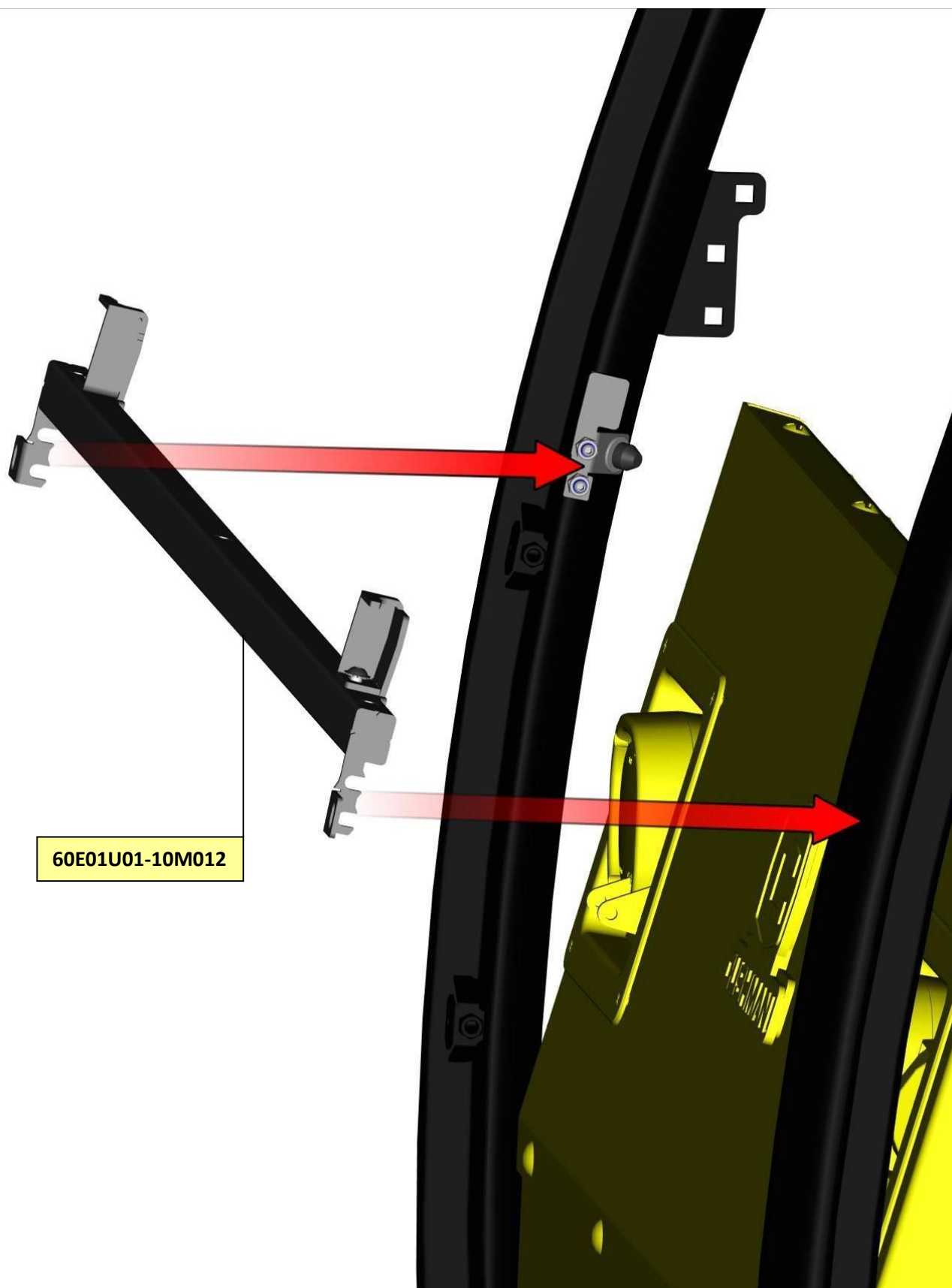
26

Mount the rear polycarbonate to the rear bottom panel with the included bolts, washers, nuts and covers.



FRONT PANEL 1.

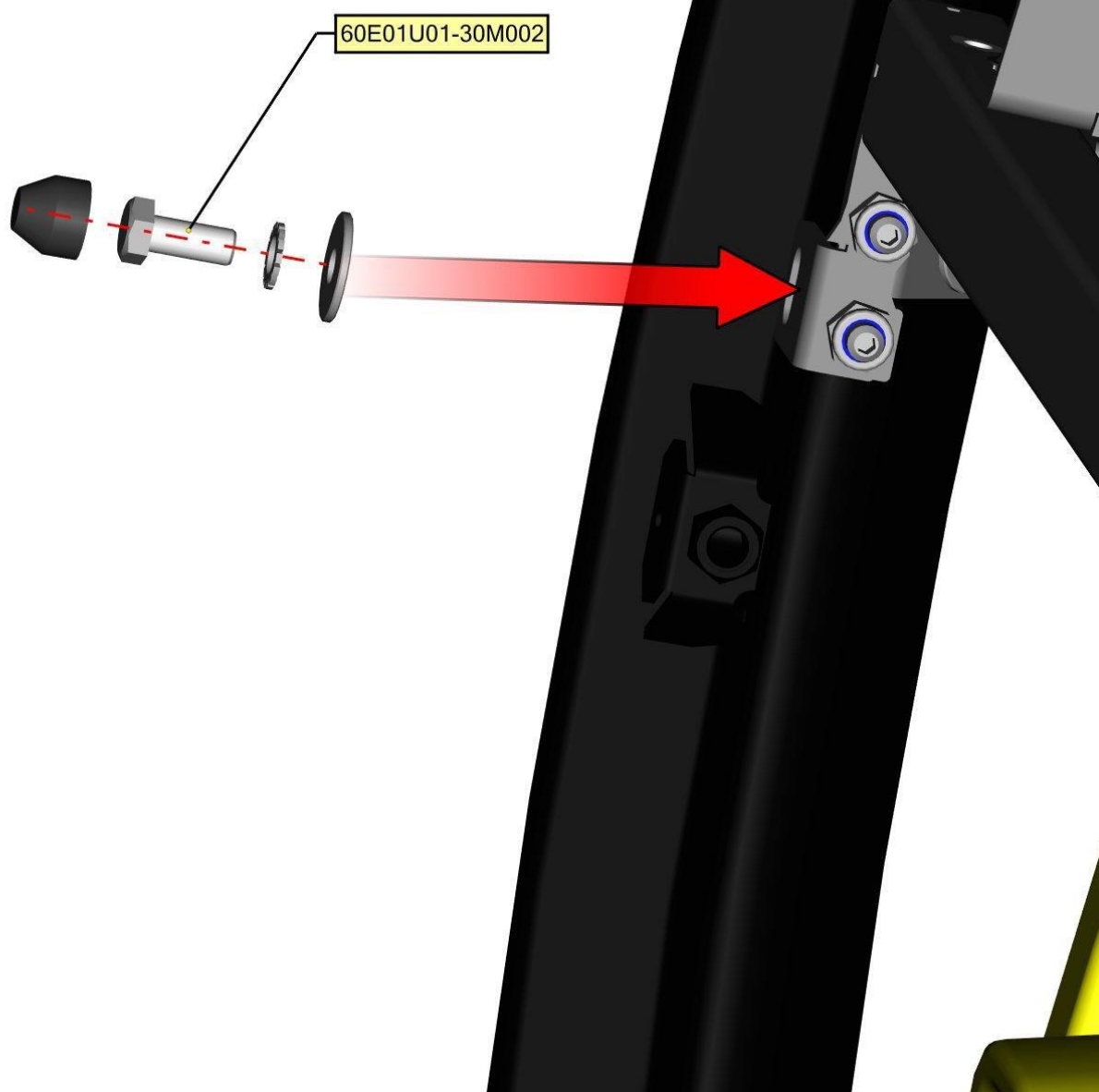
Install the front panel ledge onto the prepared pins.



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28

Mount the front panel ledge to the door frame with the included bolt, washers and cover on both sides.



29

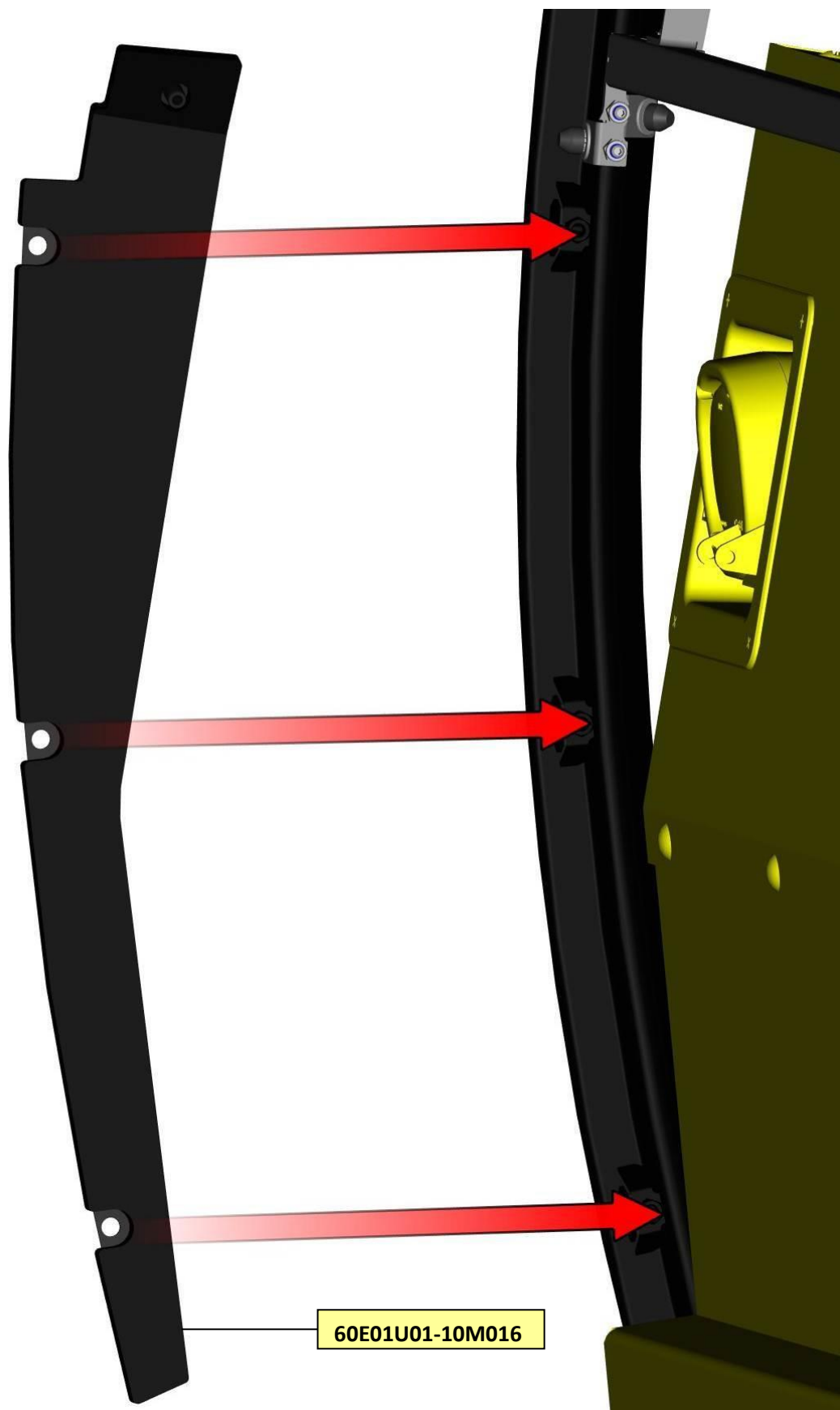
Tighten original nuts (red circle) on both sides.

DETAILED VIEW



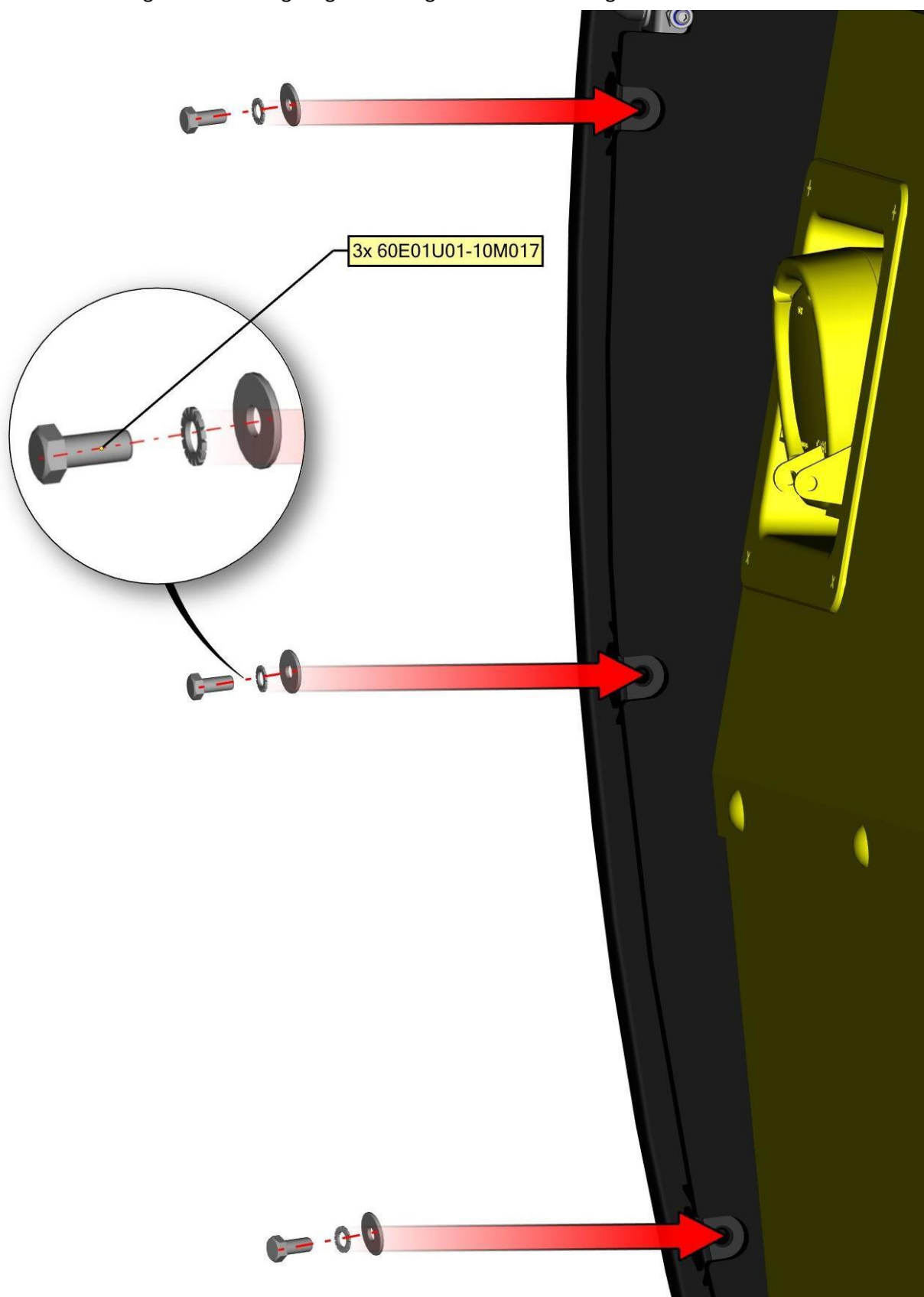
30

Place the right front sealing ledge onto the right door frame.



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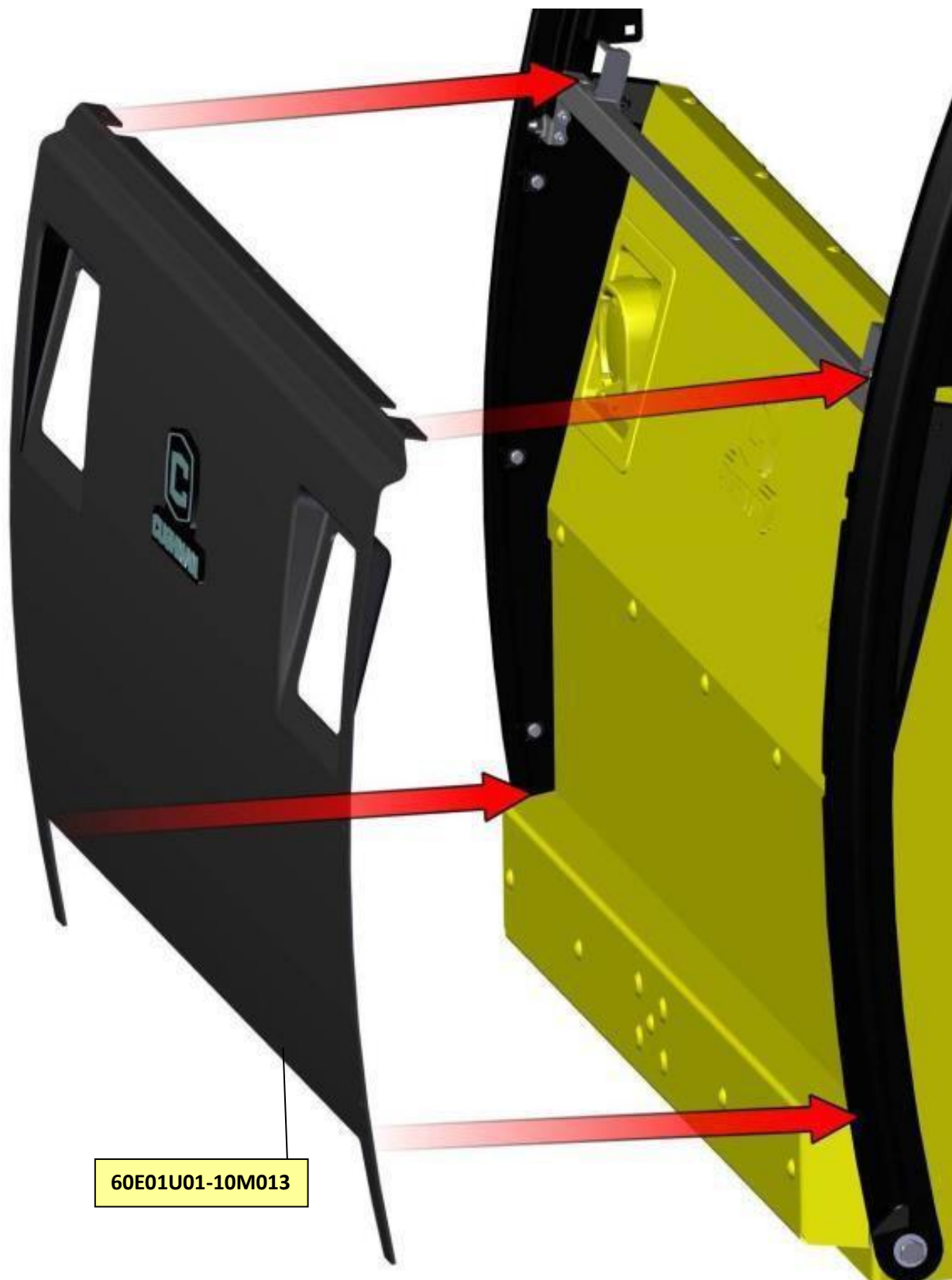
Mount the right front sealing ledge to the right door frame using the included bolts and washers.



REPEAT PREVIOUS STEPS WITH THE LEFT FRONT SEALING LEDGE.

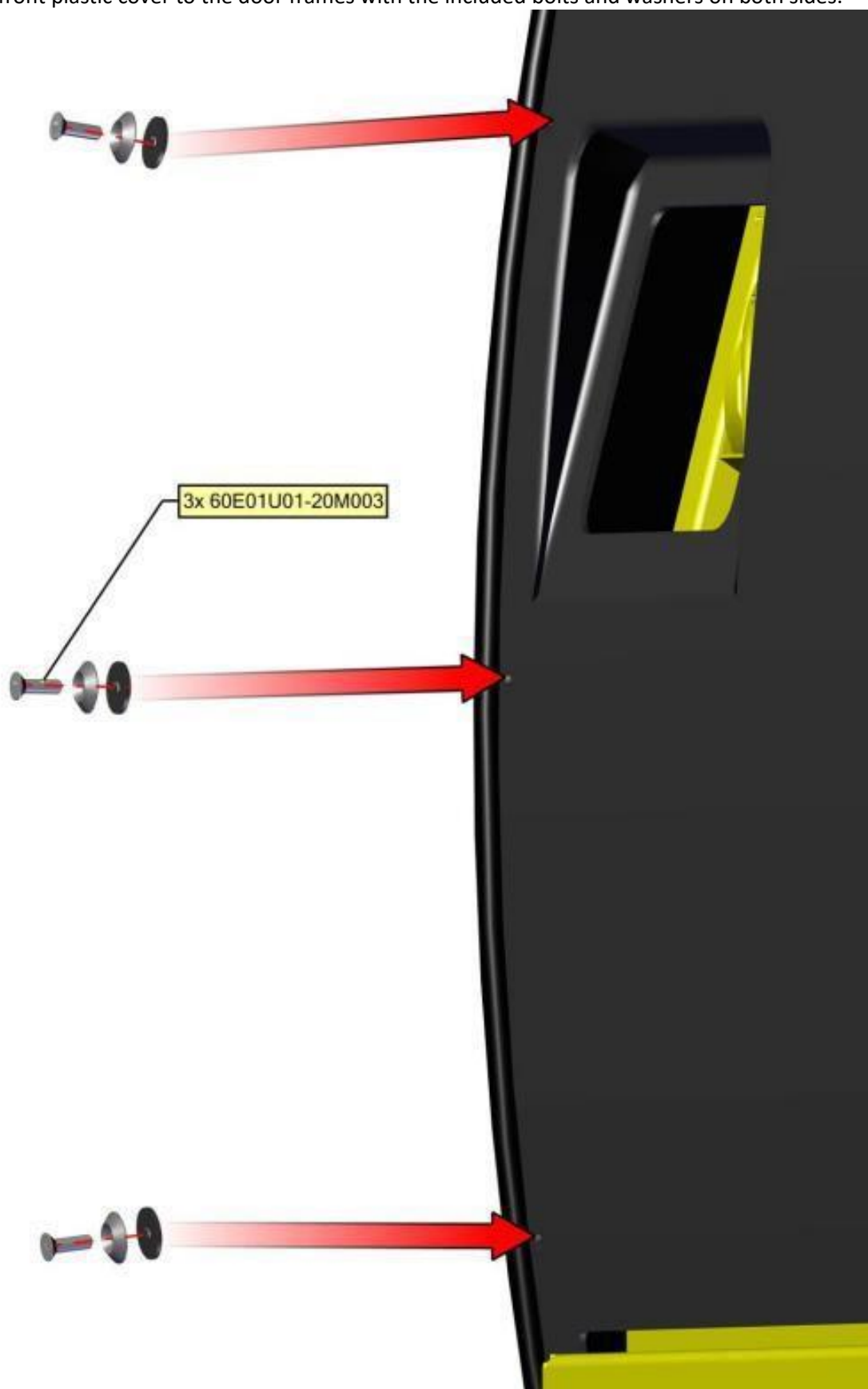
FRONT PANEL 1.

Place the front plastic cover onto the door frames.



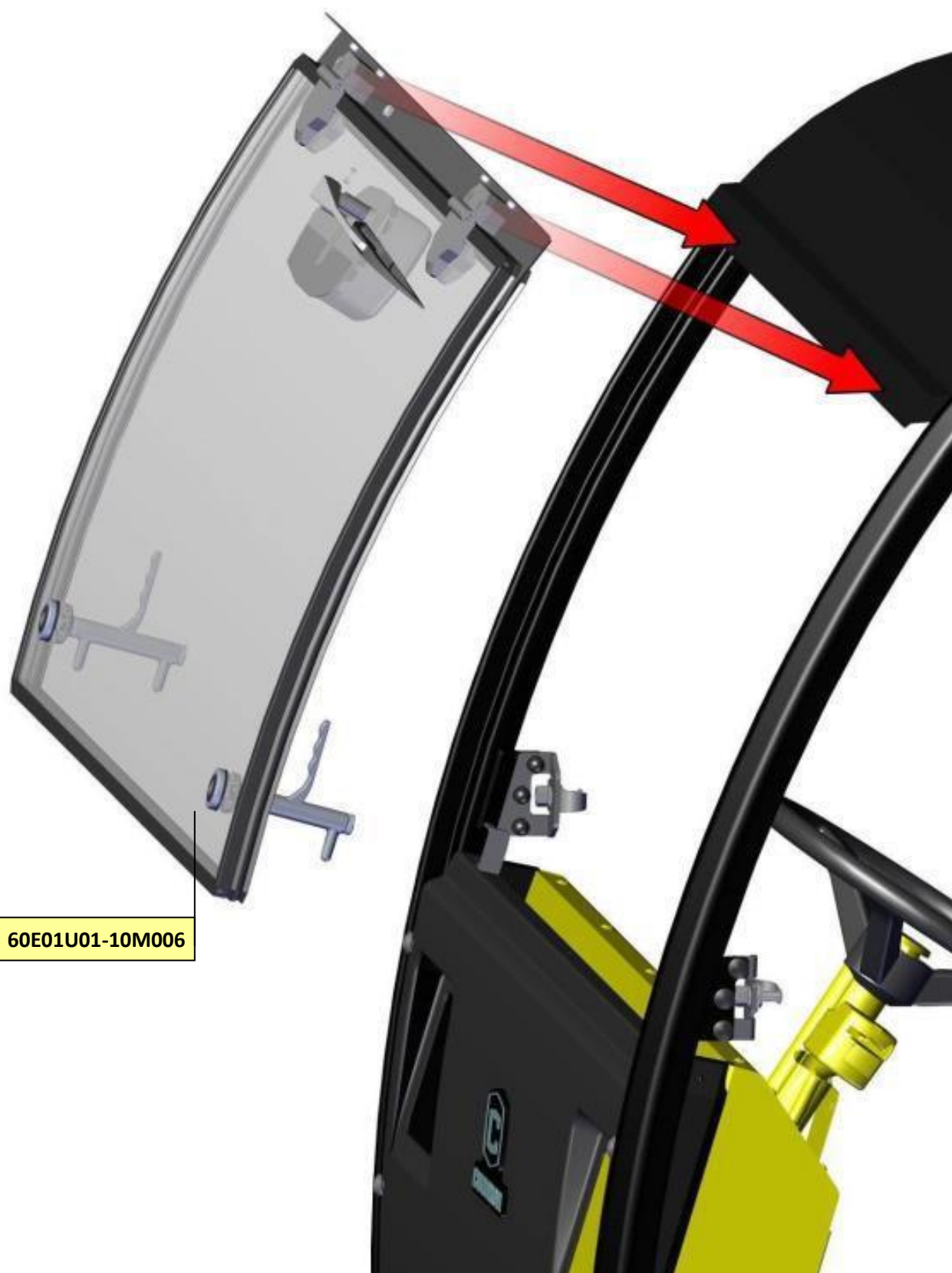
33

Mount the front plastic cover to the door frames with the included bolts and washers on both sides.



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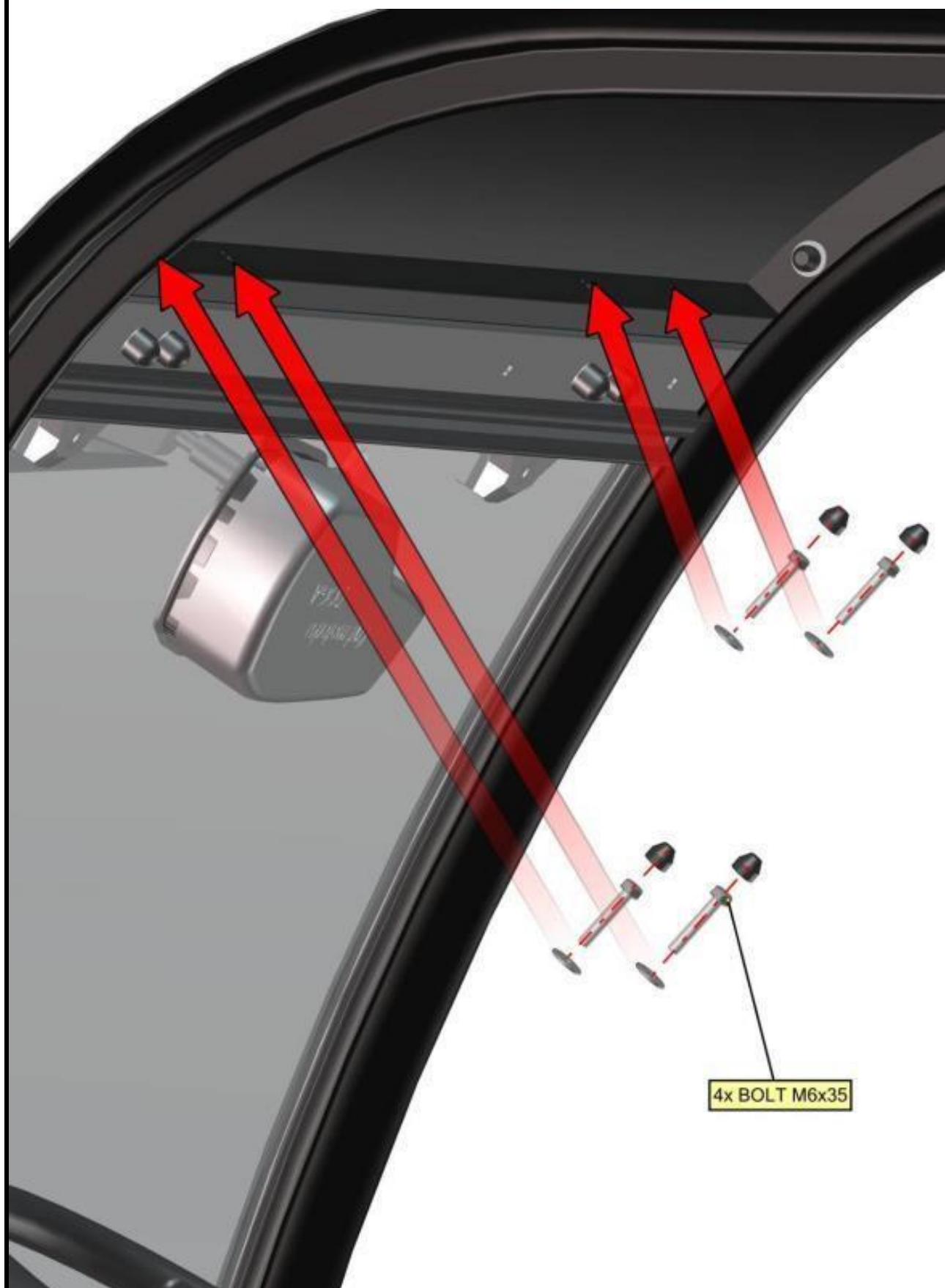
Place the front glass assembly onto the door frames and align into position.



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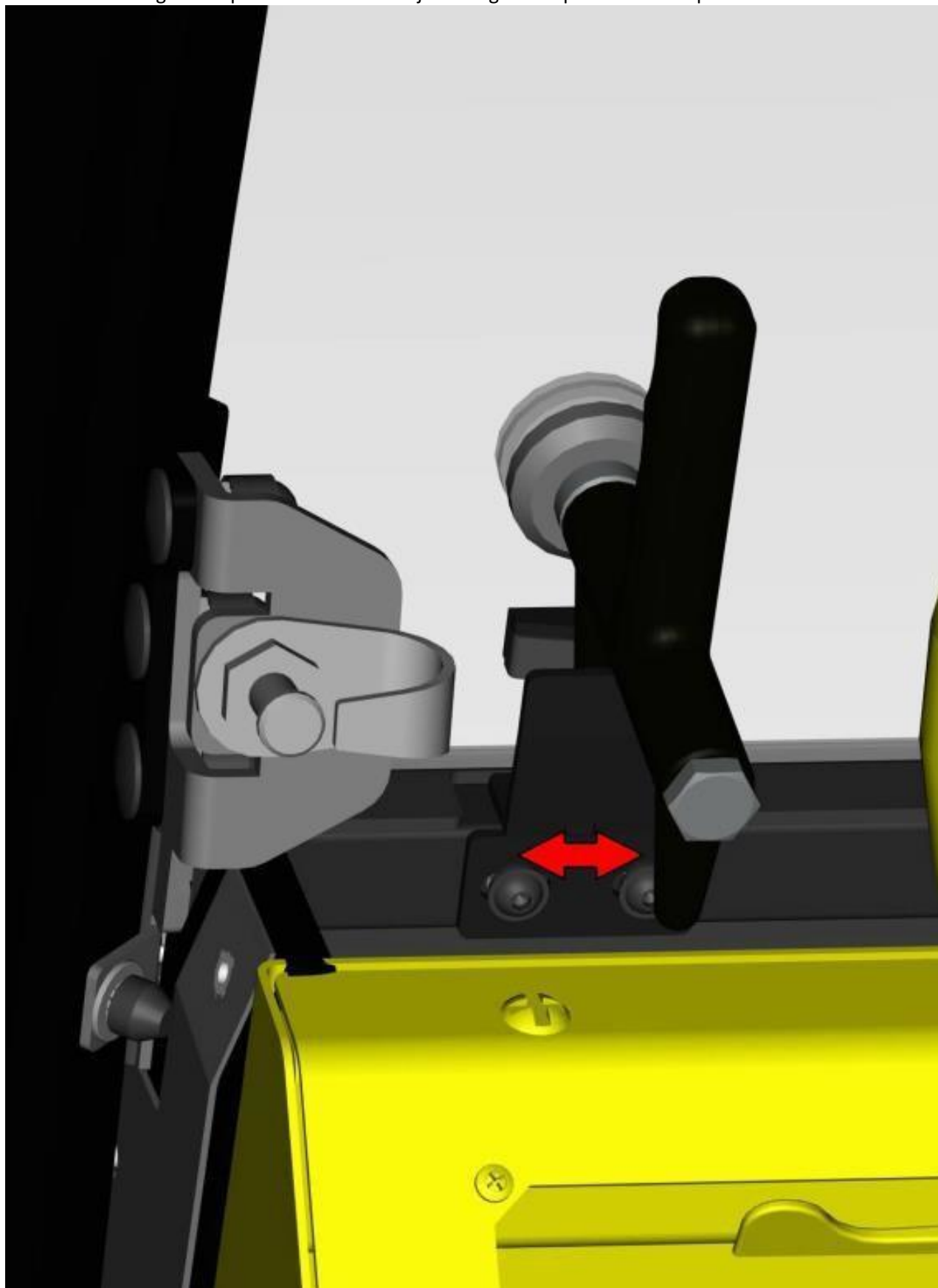
35

Mount the front upper ledge to the roof using the included bolts, washers and covers.



36

Loosen the glass stop holder bolts and adjust the glass stop into the best position on both sides.



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TITAN HD/XD WIPER INSTALLATION INSTRUCTIONS

Connect the wiper harness with the wiper motor DETAILED VIEW.



Route the washer tube through the front glass using original grommet (red circle).

Connect the washer tube to the washer jet.



Uninstall the harness cover. Route the wiper harness branch to the wiper motor (blue line).

Then, install the harness cover and mount using the included M6x14 bolts, washers and covers (red circle).

DETAILED VIEW



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**FOR TITAN XD
INSTRUCTIONS,
CONTINUE TO
NEXT PAGE.**

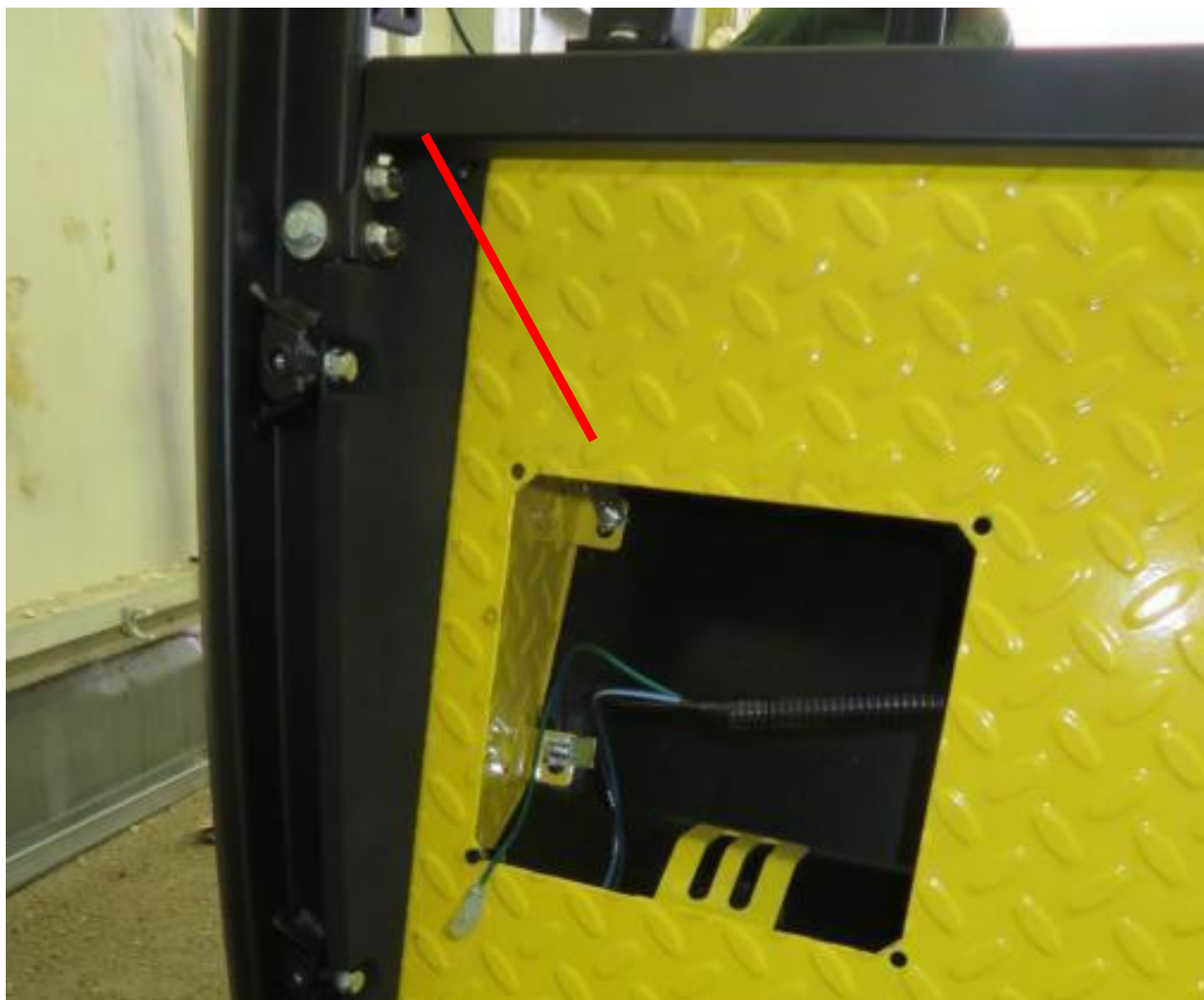
40

**FOR TITAN HD
INSTRUCTIONS,
PROCEED TO PAGE 65**

Route the bottom of the pre-installed Wiper Harness through the right front support ledge hole (red circle).



Continue routing the Wiper Harness under the dashboard using front LEFT light opening (red line).



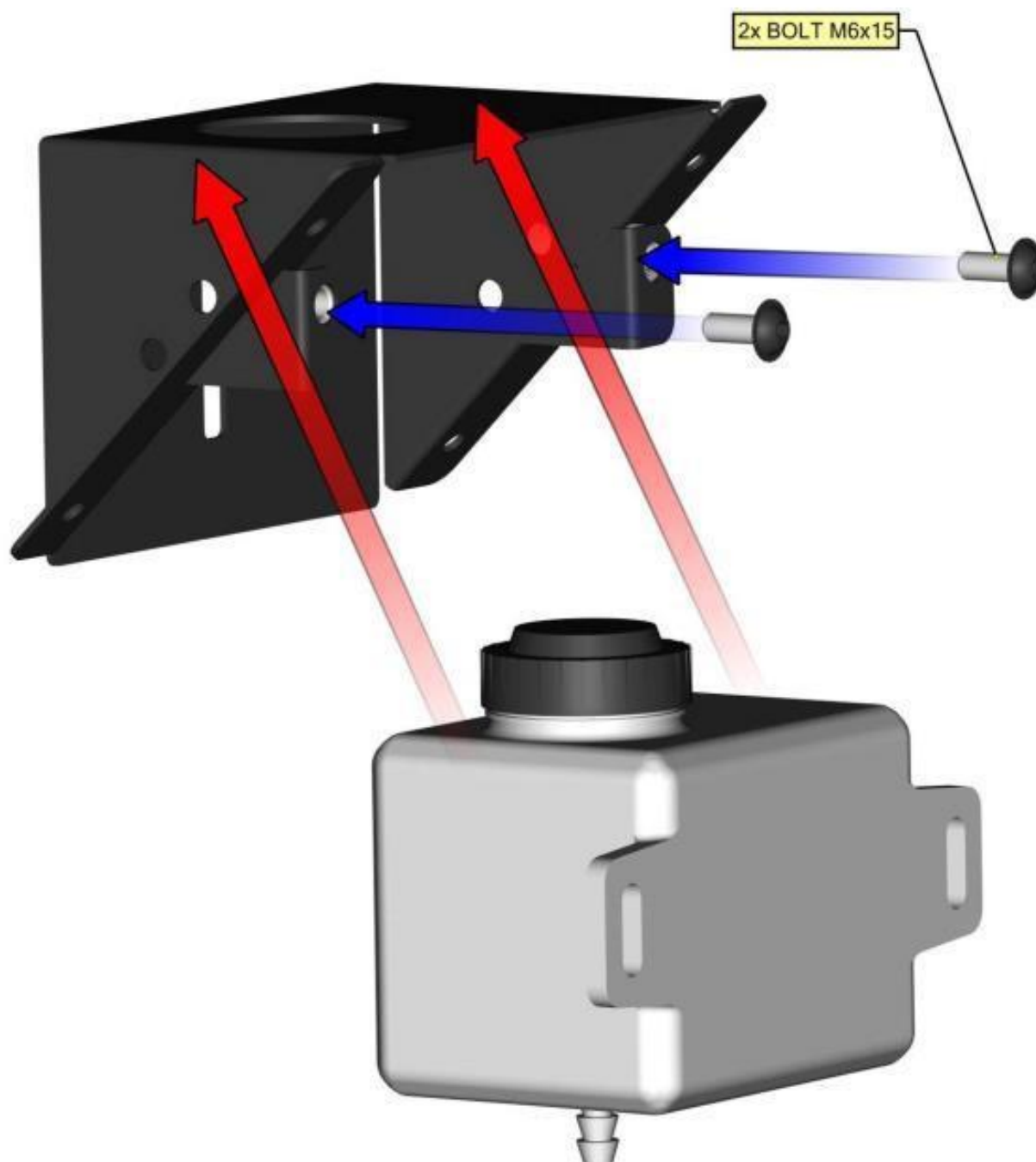
42

Uninstall original left dashboard cover (red circle) and route the Wiper Harness through the hole.
Save the screws for the later use.

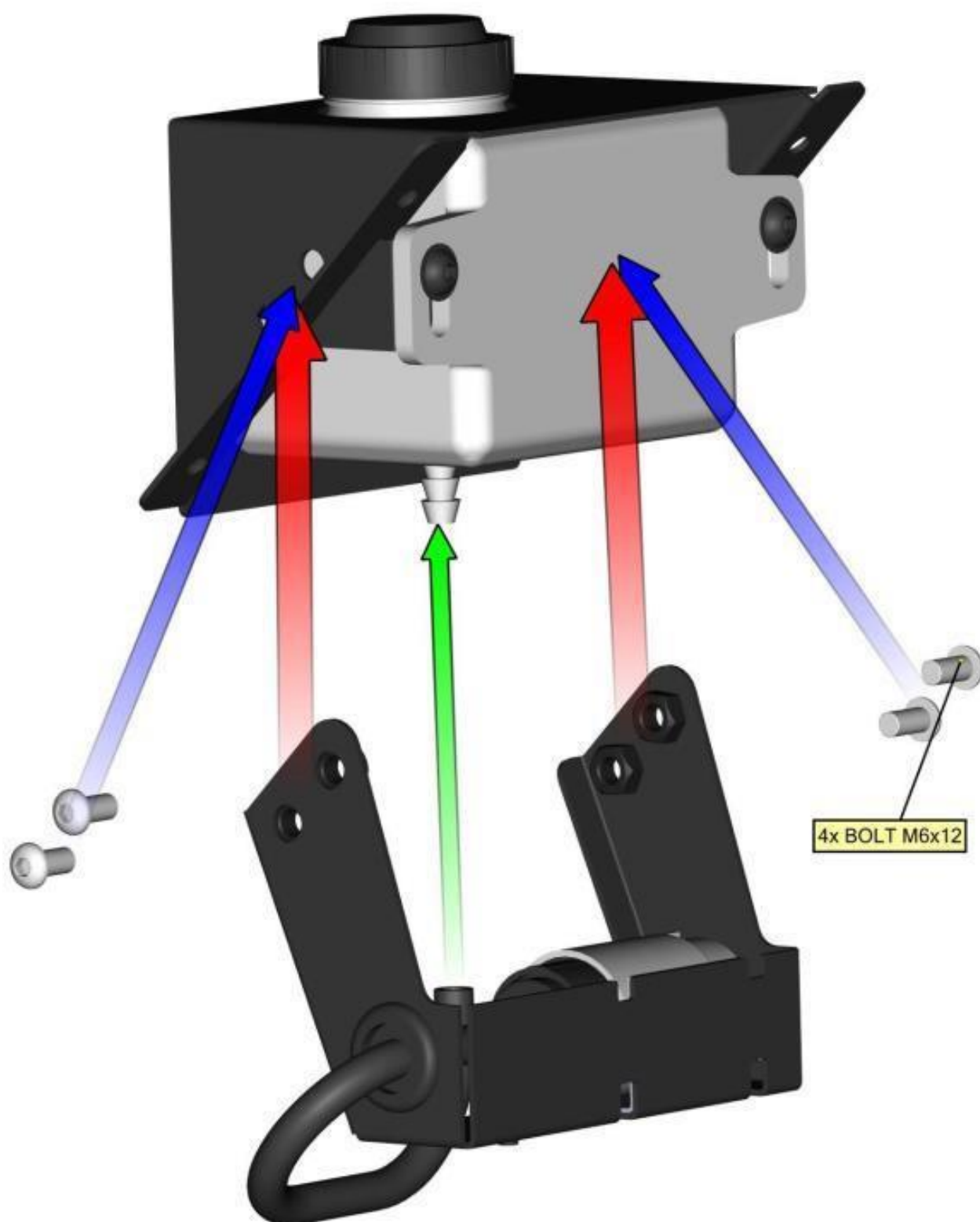


43

Install the washer tank to the washer tank bracket using included bolts.



Mount the washer pump and washer tank brackets together using the included bolts.
Connect the washer tube from the washer pump to the tank (green arrow).

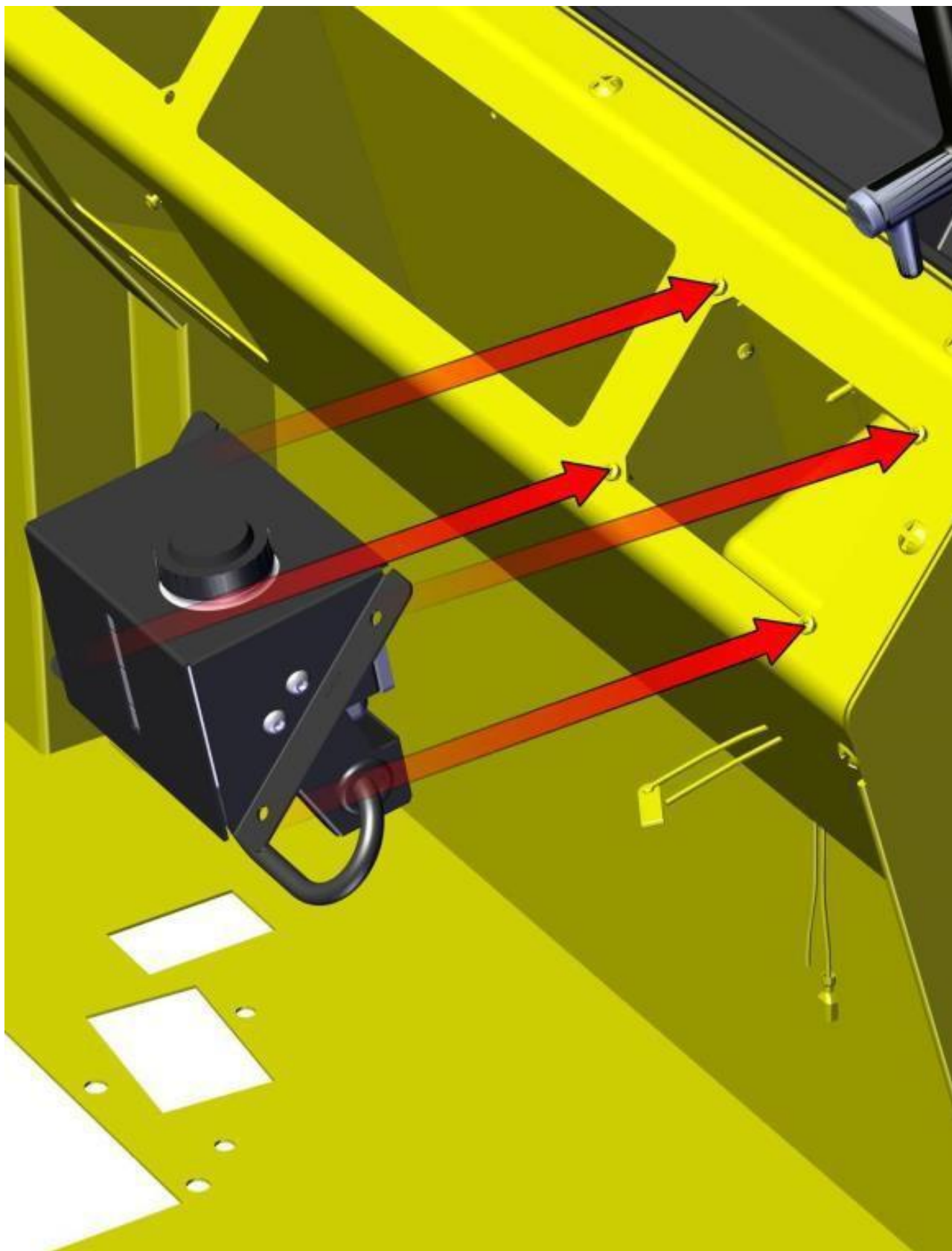


Connect the Wiper Harness from the wiper/washer and the washer tube to the washer pump. Use red wire to top terminal and yellow/green wires to bottom terminal

DETAILED VIEW of the harness connection to pump



Align the washer assembly into position and mount with the original dashboard cover screws.



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Route the rest of the Wiper Harness under the dashboard to the left side of the vehicle (blue line).

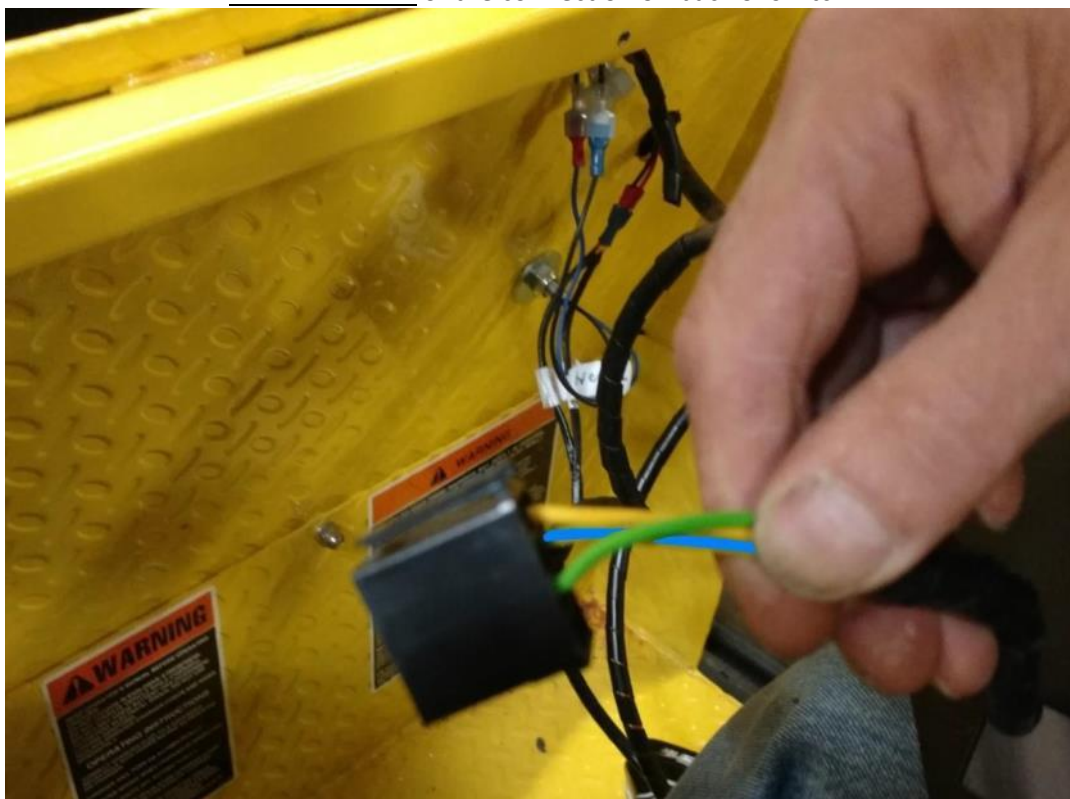


Uninstall the original left dashboard cover and replace it with the included cover (red rectangle).
Route the branch of the Wire Harness for the wiper/washer switch under the dashboard and through the prepared hole (blue rectangle).



Connect the switch branch of the Wiper Harness to the switch and press the switch into the hole.

DETAILED VIEW of the connection on back of switch.



Connect the wiper/washer harnesses to the vehicle's main harness.

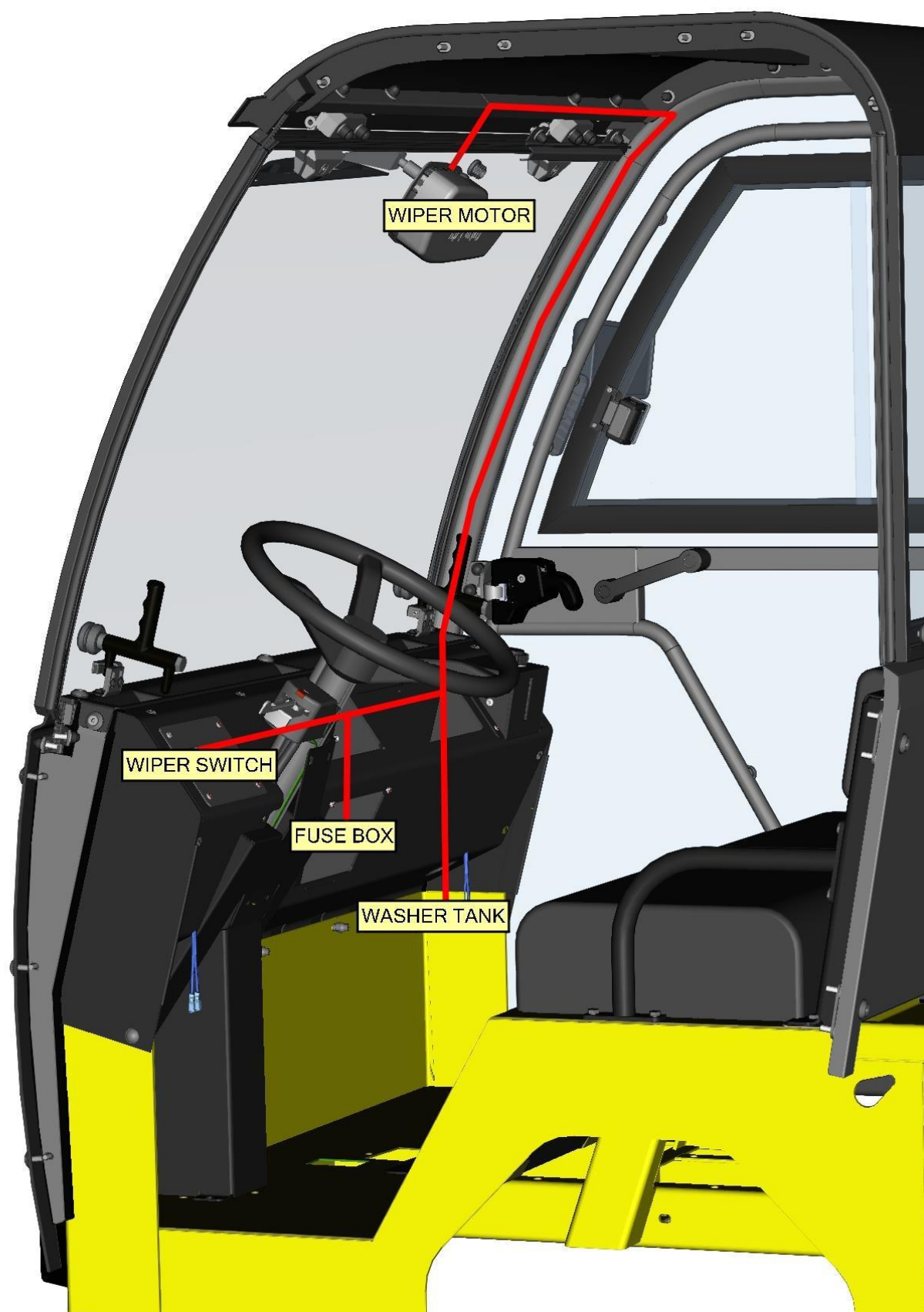


BEFORE FIRST USAGE FILL THE WASHER TANK WITH THE WASHER LIQUID.





Following the red line in the picture below, route the harness through the steering column area to the wiper/washer switch.



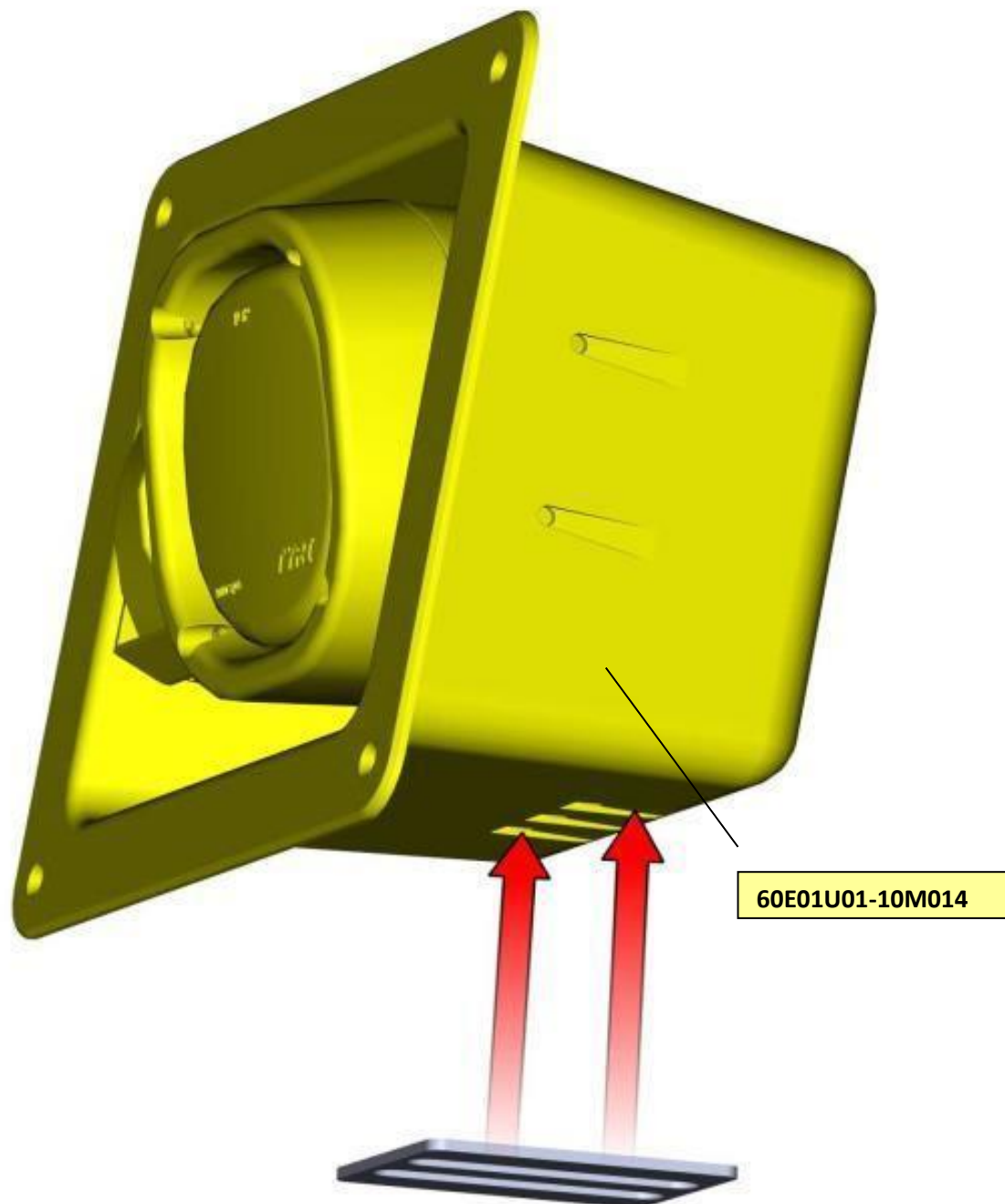
53

Connect the washer tank harness to the washer motor.



54

Place the plastic dashboard cover onto the front dashboard.



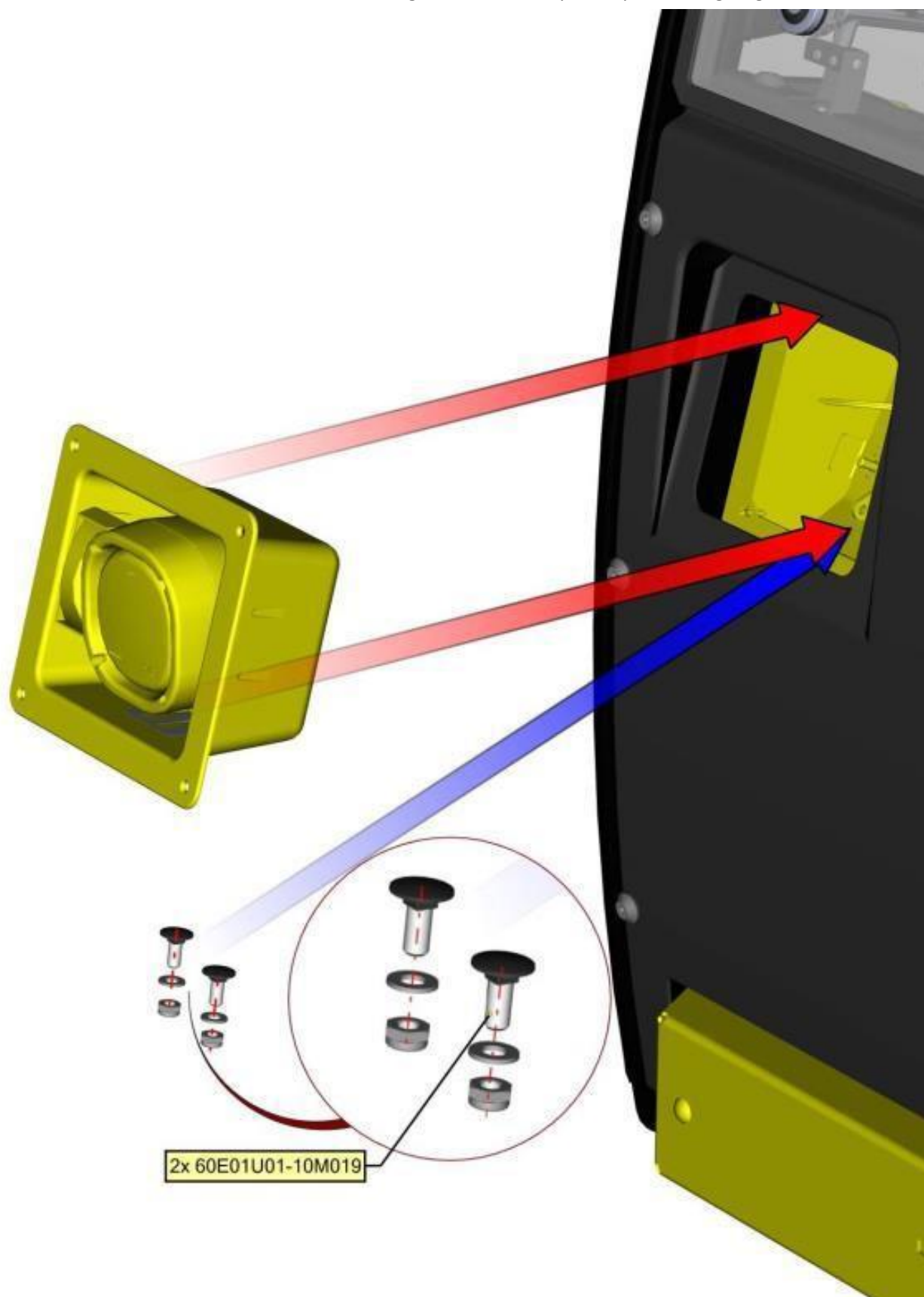
55

Connect front lights to Vehicle wiring harness.



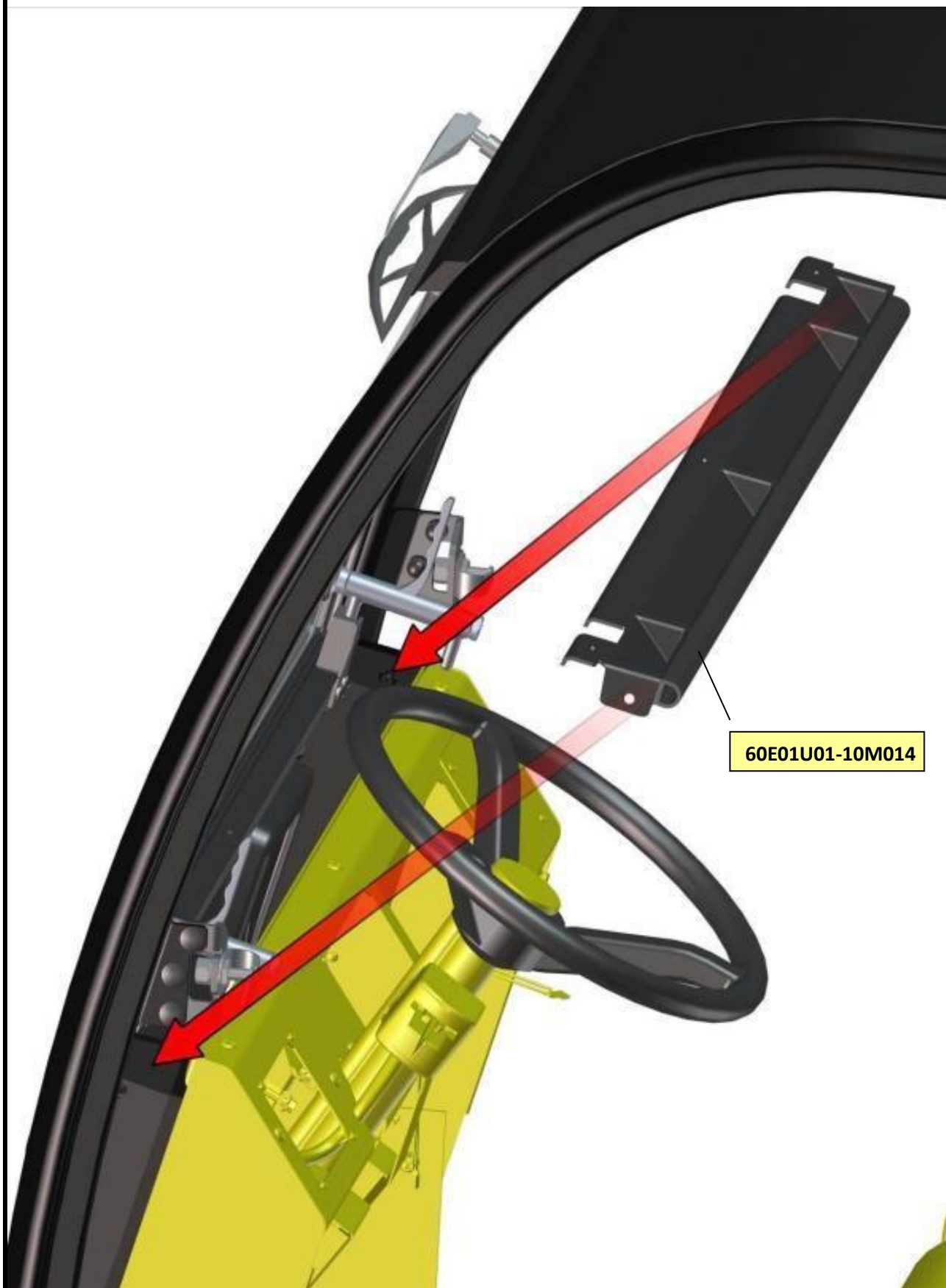
56

Place the front lights onto the front plastic panel and mount to the original holder using the included bolts, washer and covers. Mount the front lights to the front plastic panel using original bolts.



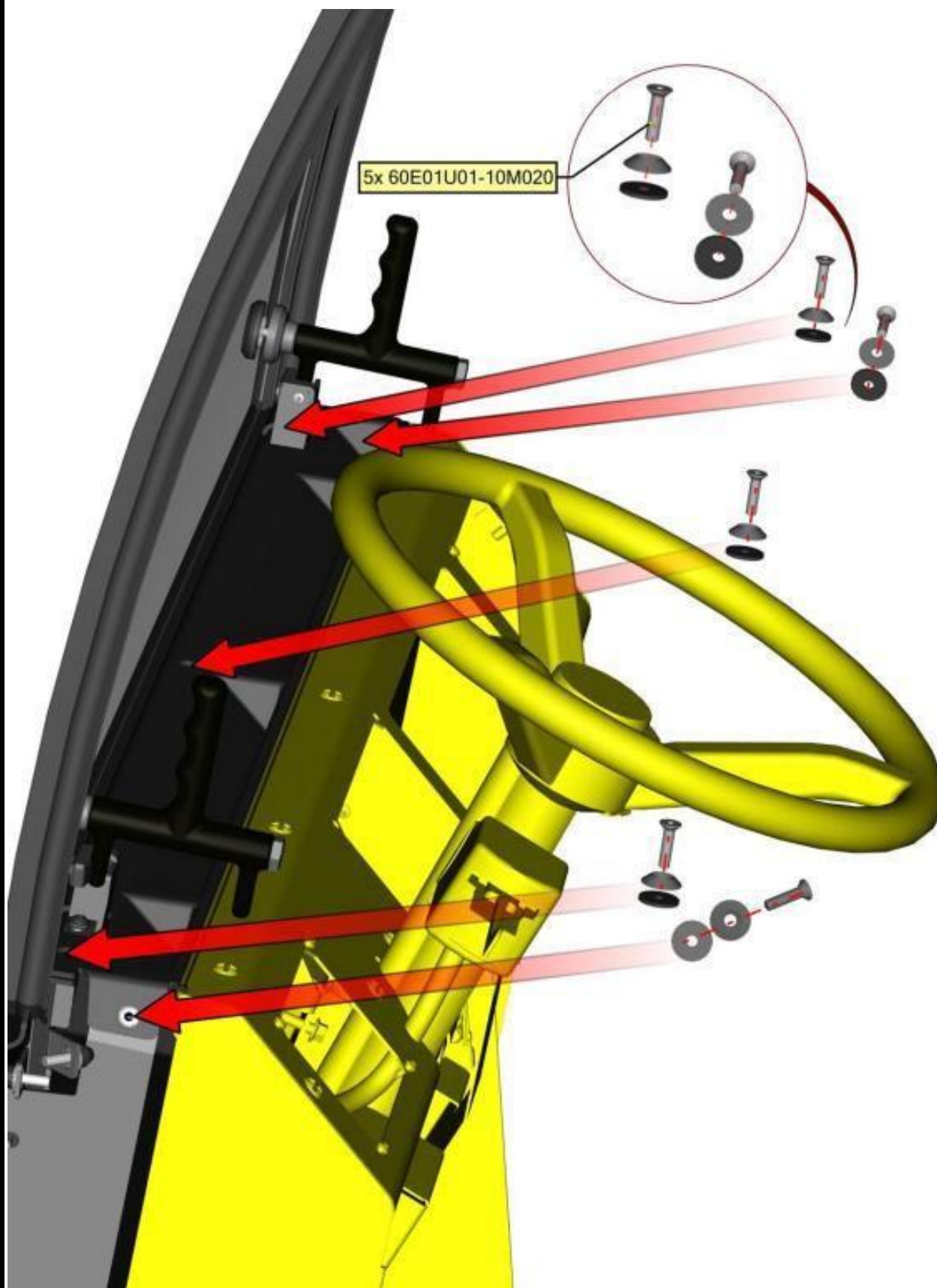
57

Place the plastic dashboard cover onto the front dashboard.



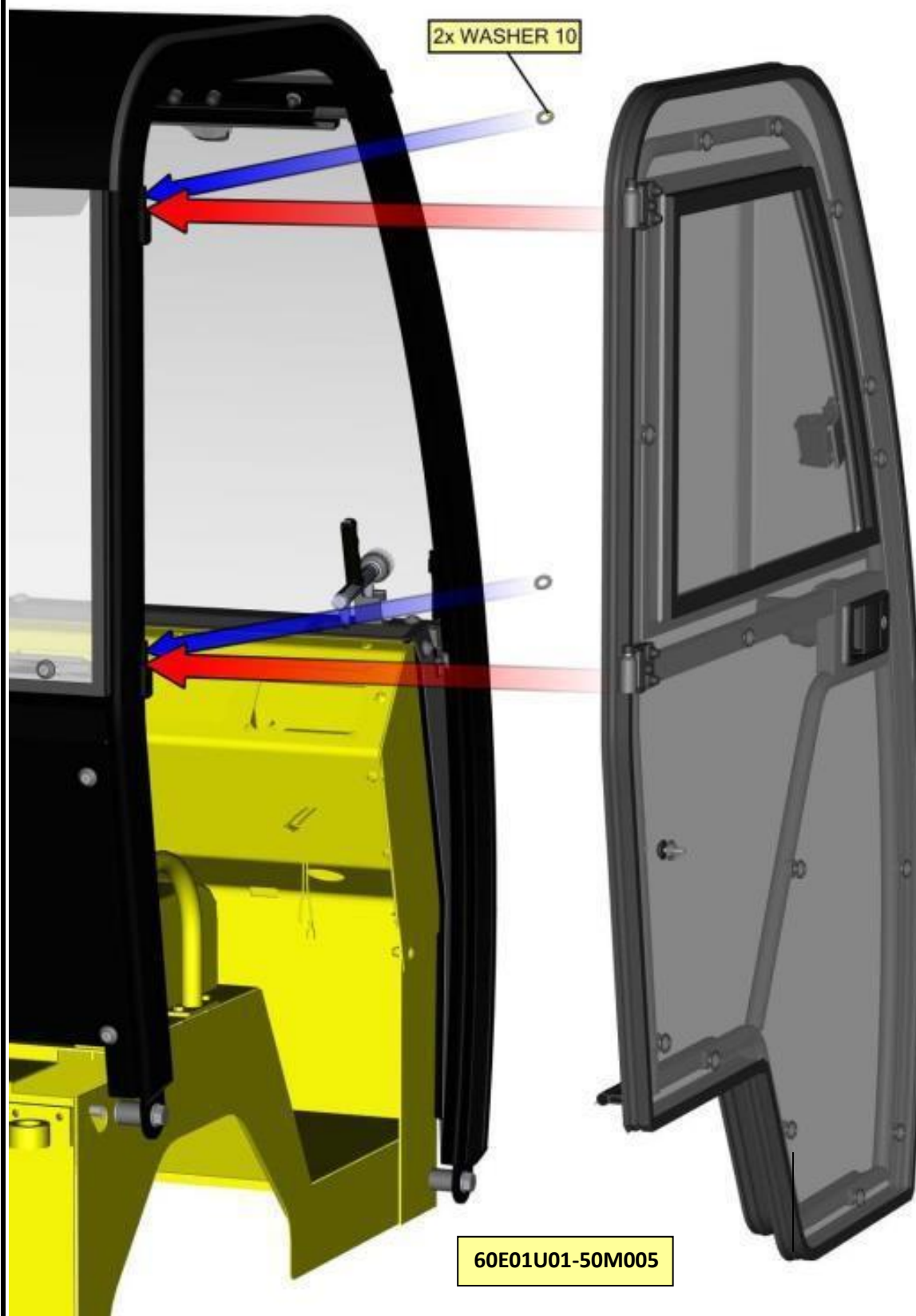
58

Mount the plastic dashboard cover to the front panel ledge using the included screws, washer and covers. If needed drill $\varnothing 6\text{mm}$ holes into the center marks (can be seen on the reverse side of the cover).



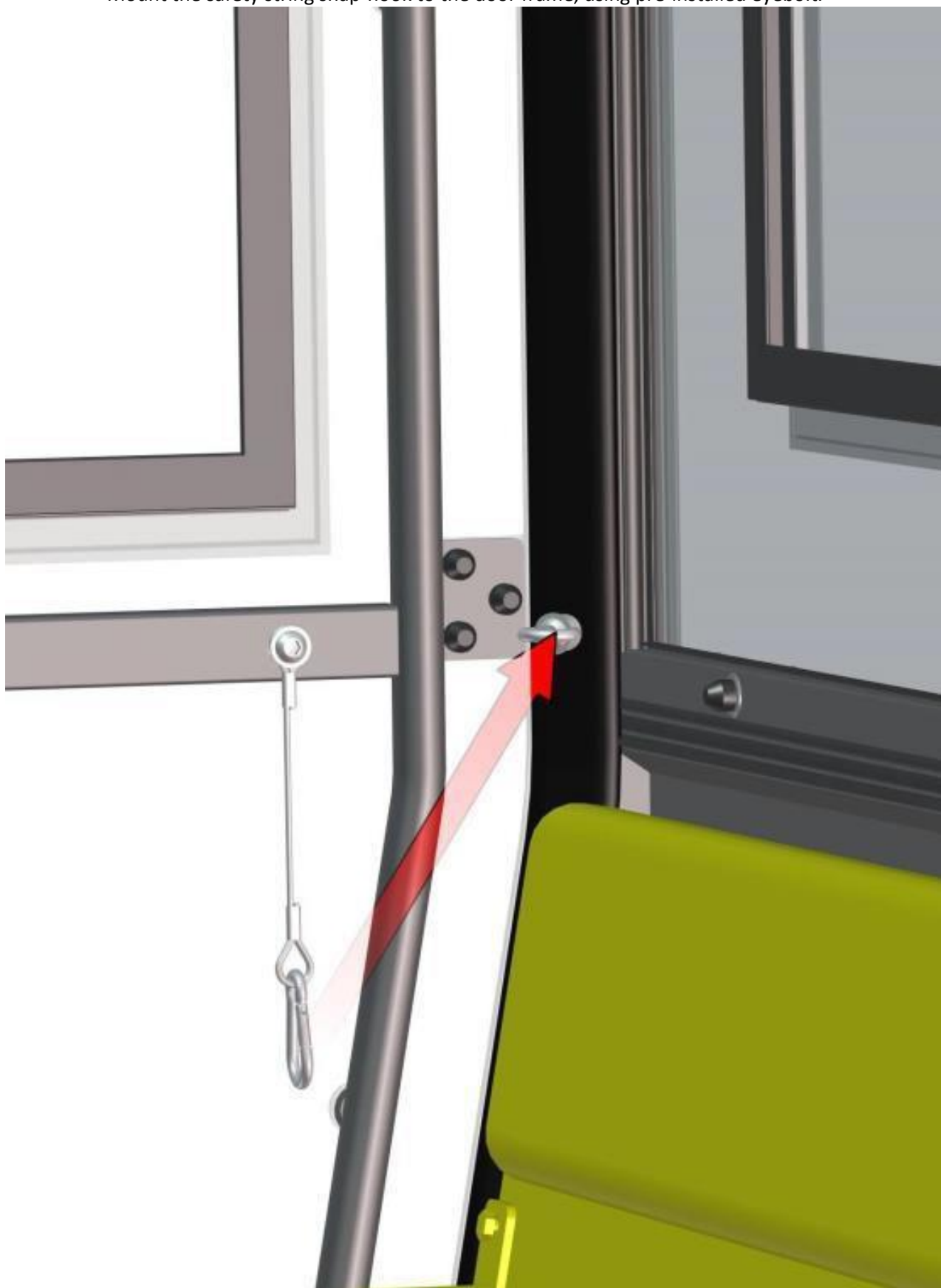
RIGHT DOOR + LEFT DOOR

Place the right door onto hinges after lubricating the hinge pins and installing the 10mm washers.



60

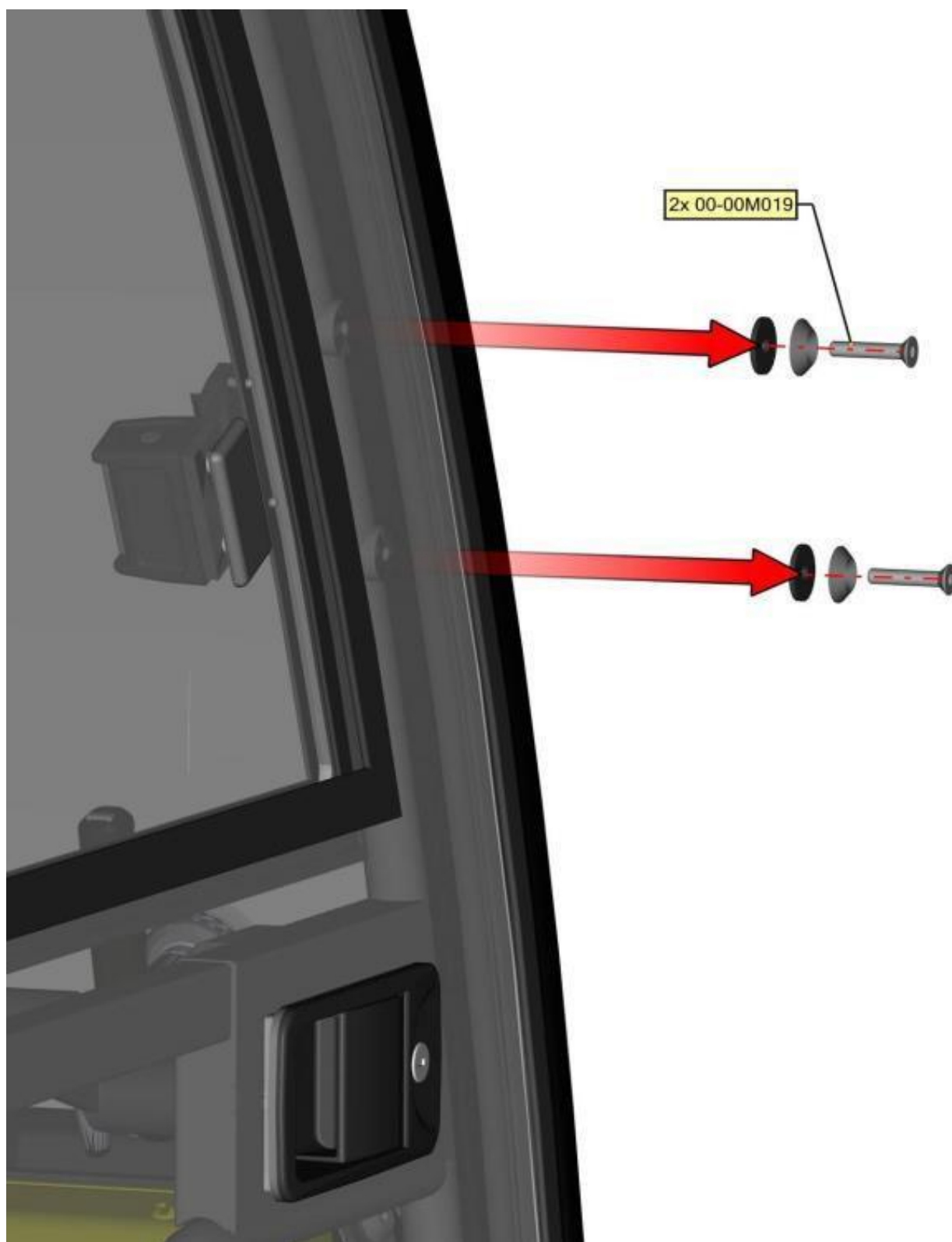
Mount the safety string snap-hook to the door frame, using pre-installed eyebolt.



61

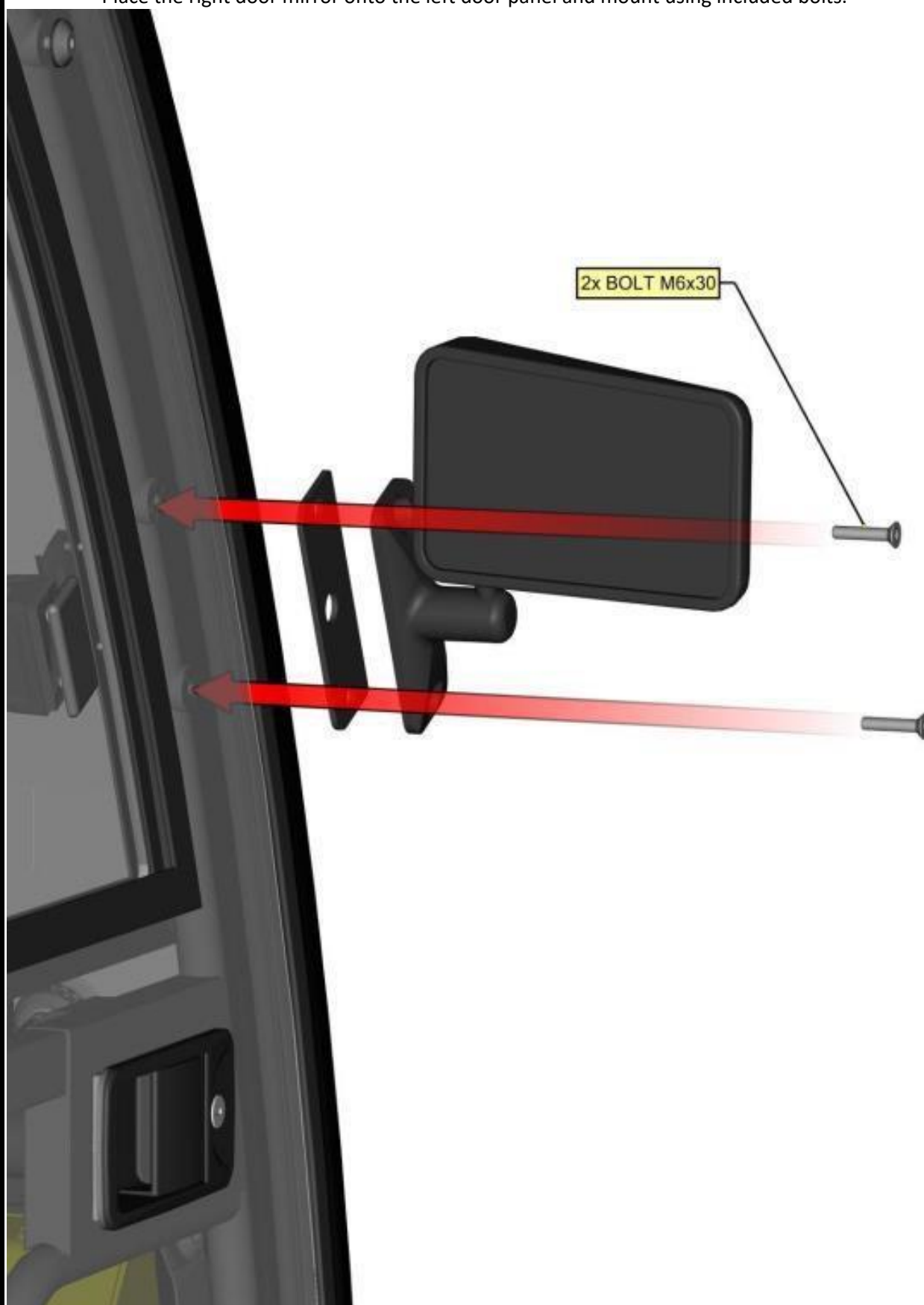
IF MIRRORS ARE NOT PRE-INSTALLED, FOLLOW INSTRUCTIONS BELOW

Uninstall original bolts and washers from the polycarbonate fixing assembly.



62

Place the right door mirror onto the left door panel and mount using included bolts.



63

Repeat previous steps with the left door.



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CAB INSTALL COMPLETE

INSTRUCTIONS FOR TITAN HD

CONTENTS OF THE TITAN HD CONVERSION KIT



- A. WASHER BOTTLE MOUNT BOX (1)
- B. HEADLIGHT WIRE EXTENSIONS (4)
- C. WIRE CONNECTORS (4) BUTT CONNECTORS (4) SPADE CONNECTORS
- D. SELF DRILLING/TAPPING SCREWS AND CAPS (3 EACH)
- E. LEFT/RIGHT HEADLIGHT BRACKETS (1 EACH)
- F. POWER WIRE HARNESS (1)
- G. HEADLIGHT BLACKOUT COVERS (2)
- H. 8" (200mm) CABLE TIES (8)

If your vehicle has headlights, remove them from the front of the vehicle and set aside.
Drill a 1" diameter hole to the left 6" and up 6" from the existing RH headlight hole.



Run Wiper Harness from right side ROPS through newly drilled hole

DETAILED VIEW FROM OVERHEAD



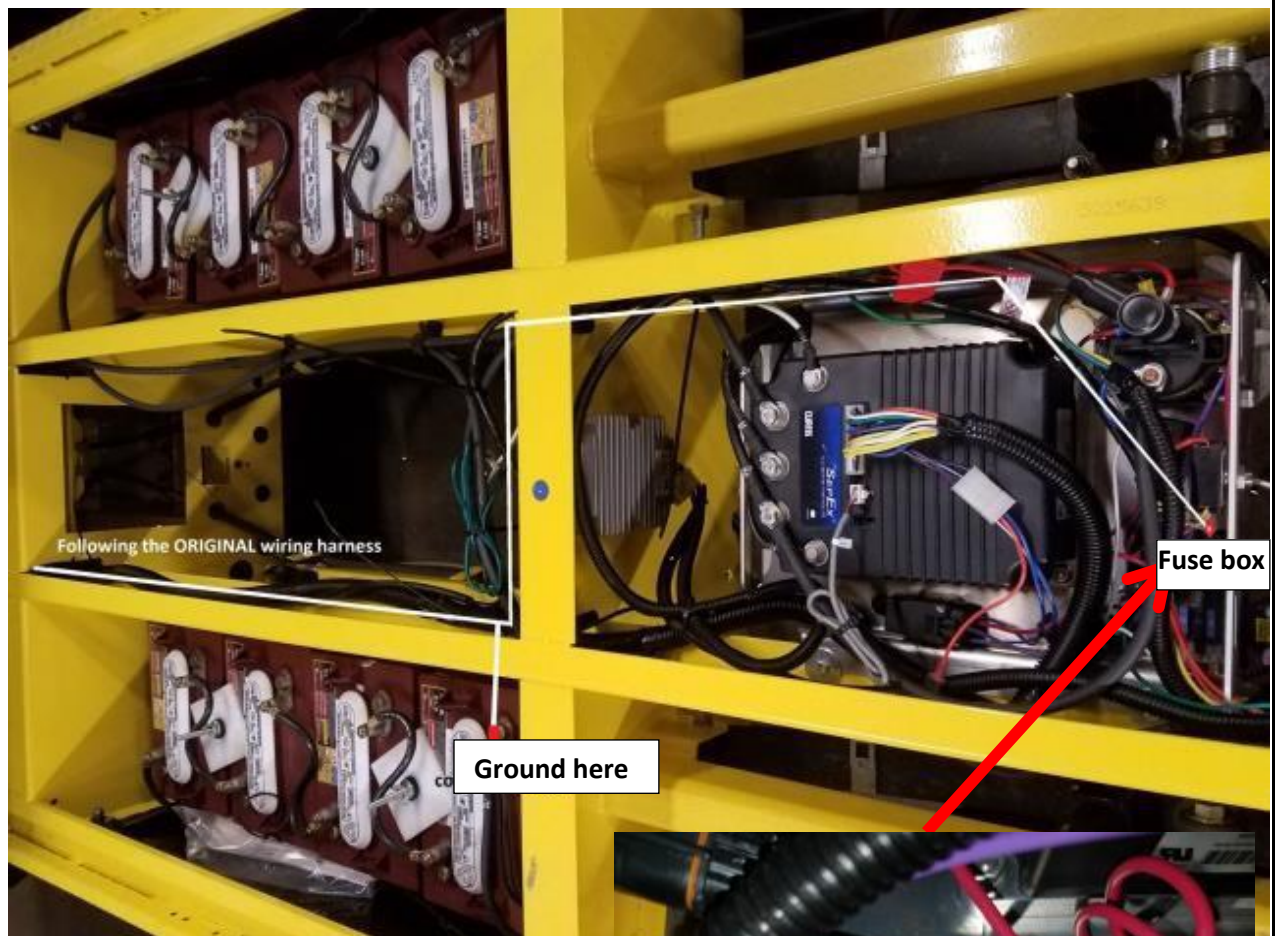
67

Remove the 2 Phillips screws from the far back of the rear deck and lift and set aside the wooden bed to begin installation of the Power Harness



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- Connect the Power Harness wire to the fuse box at the far back of the center compartment (see inset).
- **DO NOT** INSTALL FUSE UNTIL COMPLETED WITH PAGE 77.
- Route the single red wire forward toward the cab area through the opening on the right side of the center compartment, across to the left.
- Ground the black wire on closest (-) battery terminal in the LEFT battery compartment.
- Continue routing the red and black wire harness forward along the ORIGINAL wire harness (white line below)
- Use zip ties as needed to hold wiring in place.



CONNECT RED WIRE HERE

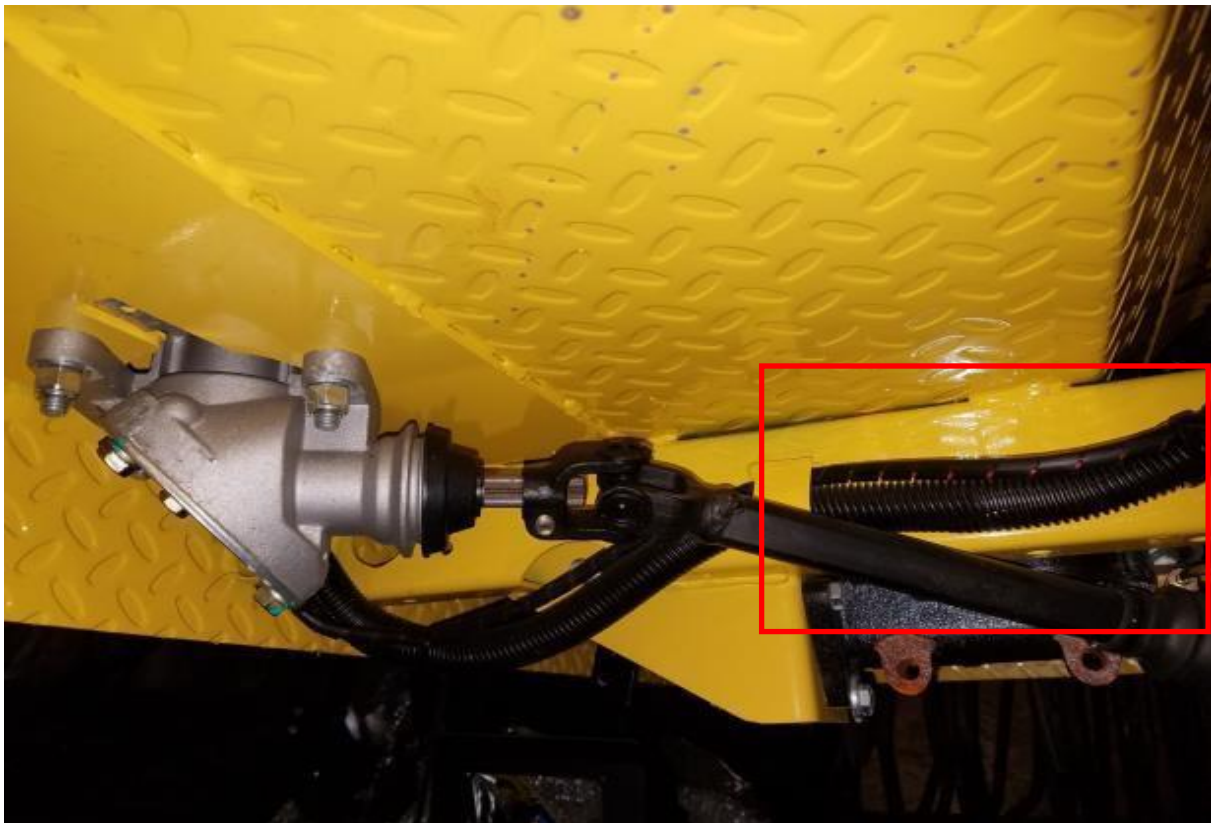
DO NOT INSTALL FUSE UNTIL
AFTER PAGE 77



Remove the 3 access panels to gain access to pull the wire harness through



Route Power Harness through the steel holders, and then upward through rubber boot access area alongside the steering column



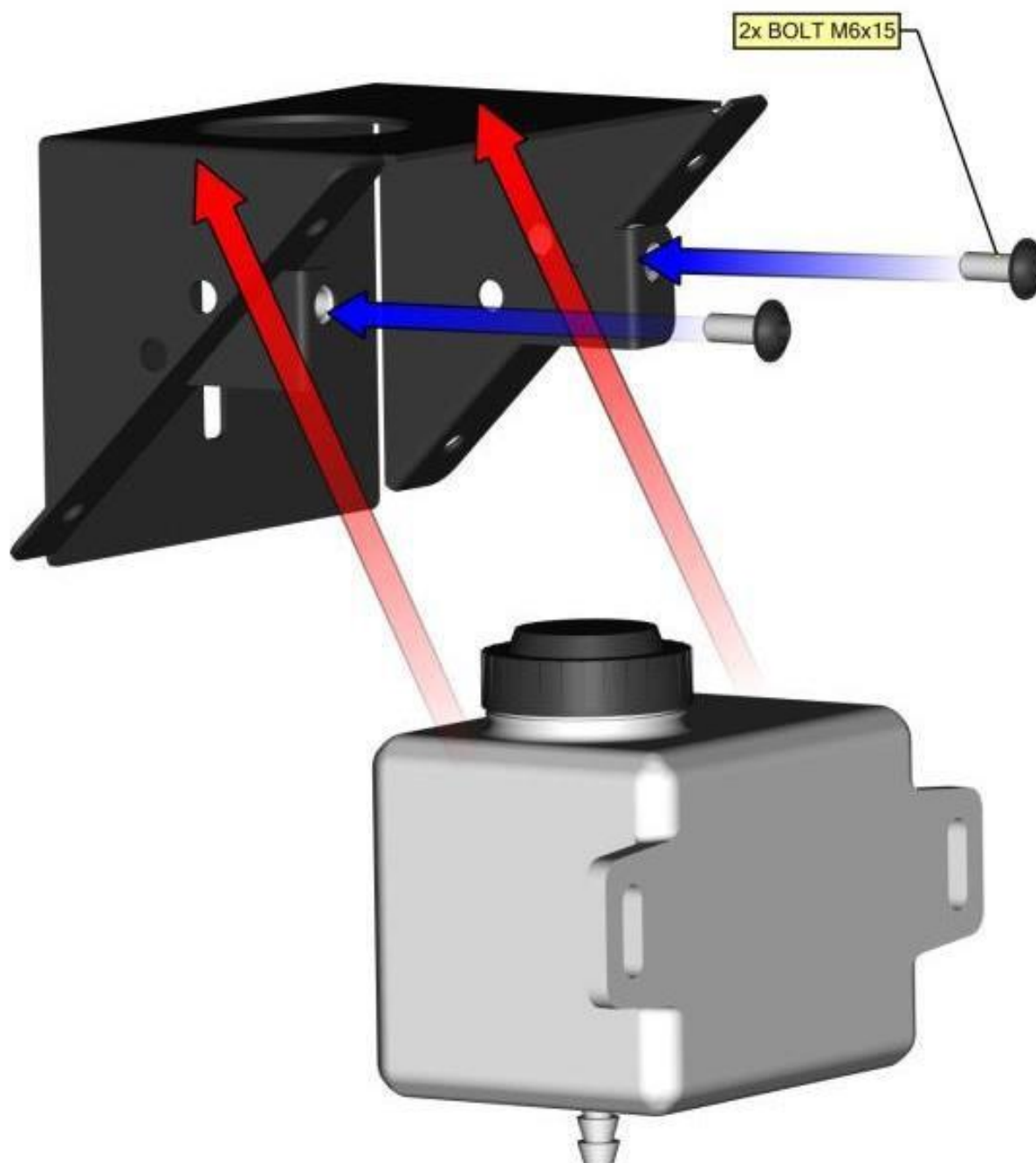
Following the white line in the picture below, route the Power Harness under the parking brake between the seats, down under the floor and up through the steering column area using rigid wire snake. Once ample wire has been pulled through the steering column, route it through the steel wire channel across to the left and down to connect into the wiper/ washer harness.

Red to Double Red
Black to Double Yellow

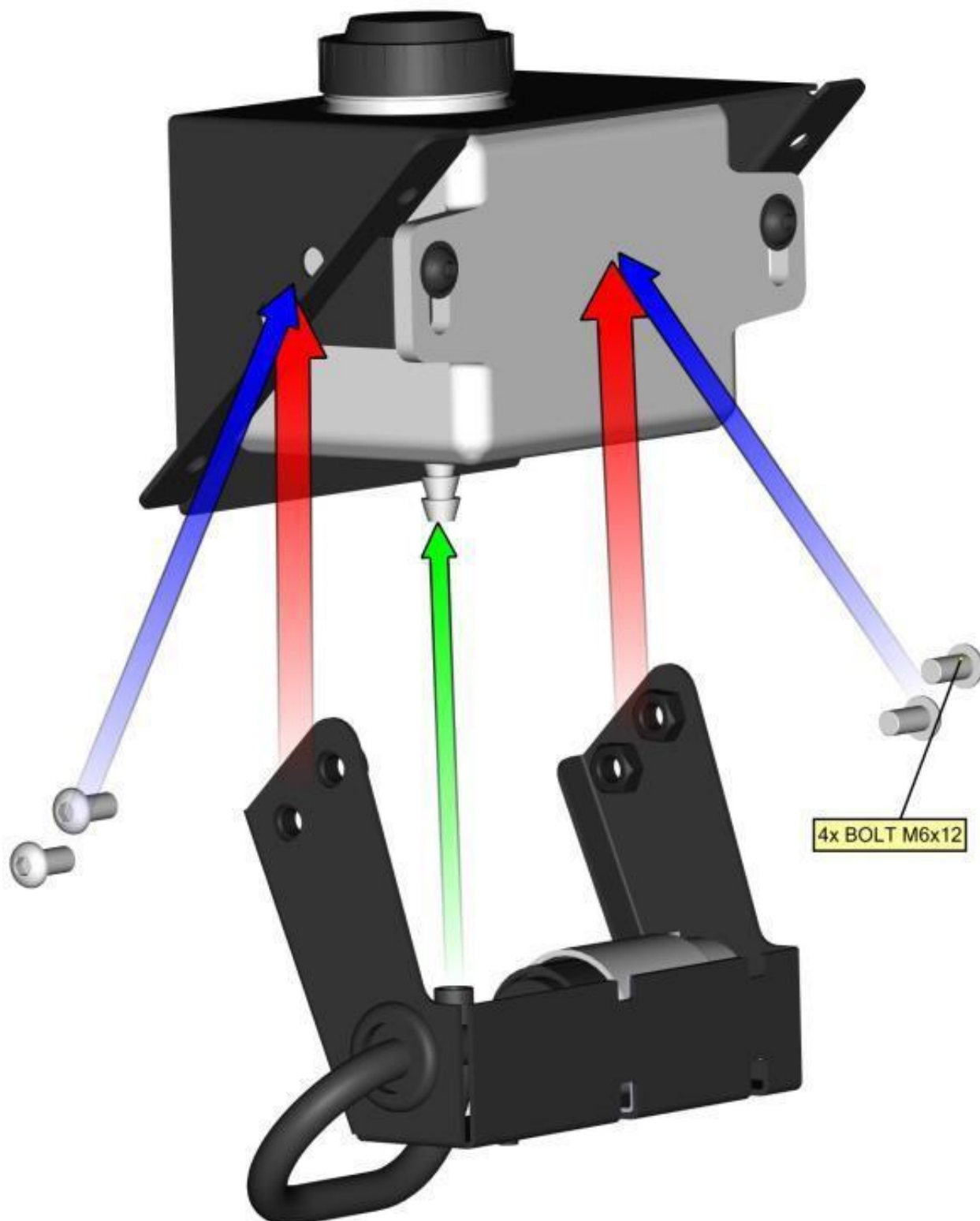


REPLACE THE 3 ACCESS COVERS

Install the washer tank to the washer tank bracket using included bolts.

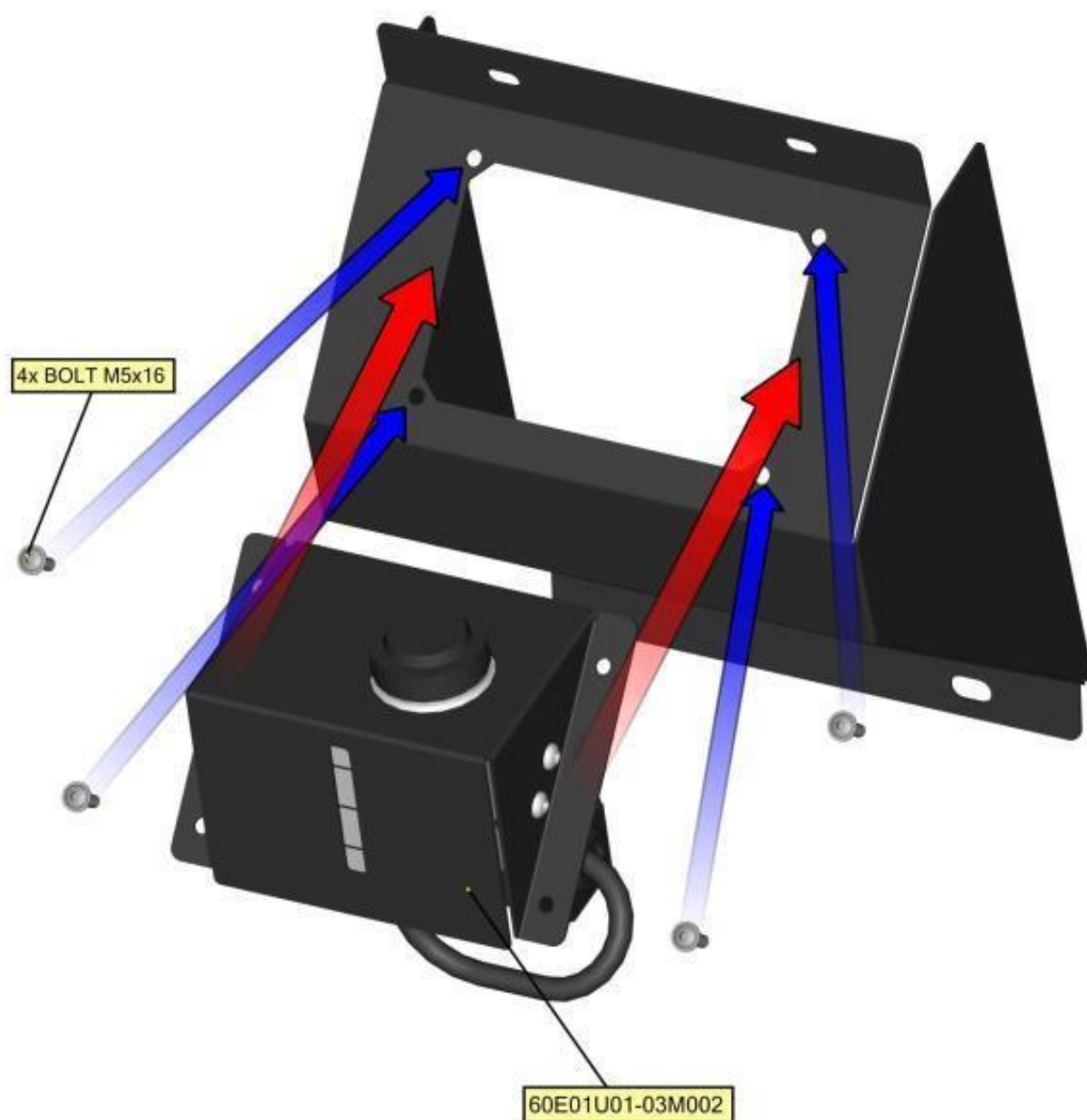


Mount the washer pump and washer tank brackets together using the included bolts.
Connect the washer tube from the washer pump to the tank (green arrow).



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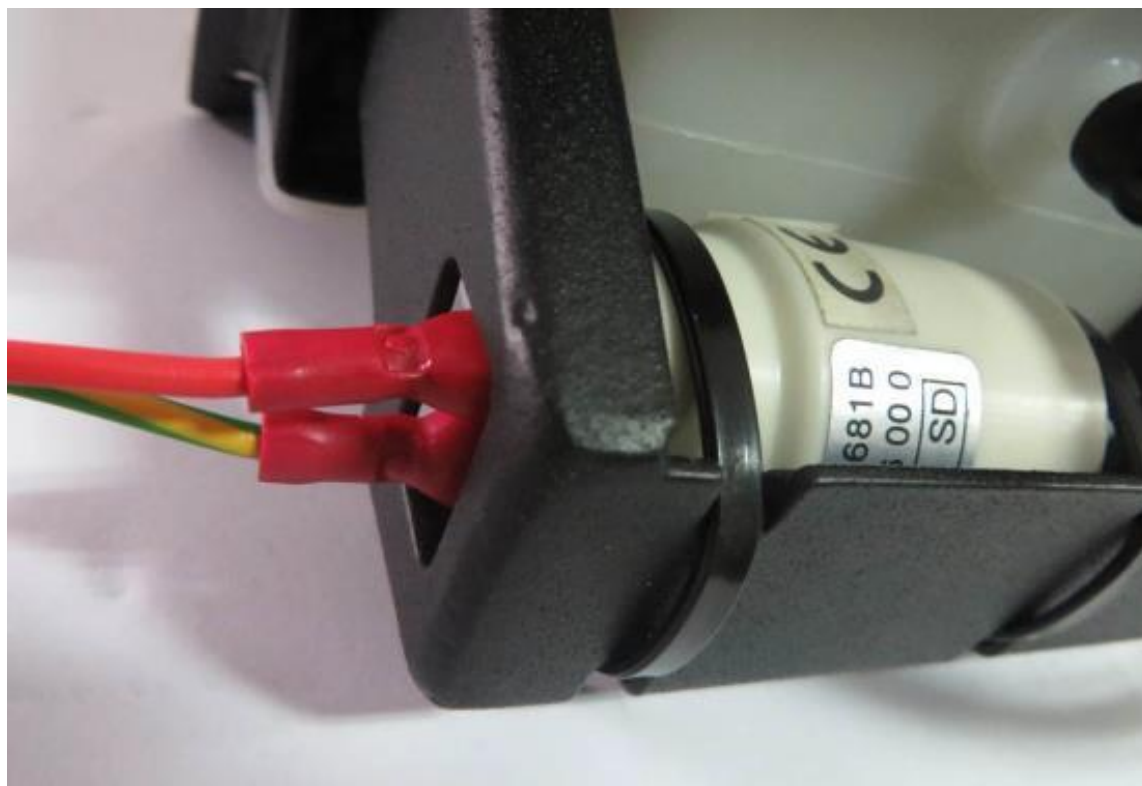
Align the washer assembly onto the dashboard cover and mount with included screws, washers and nuts.



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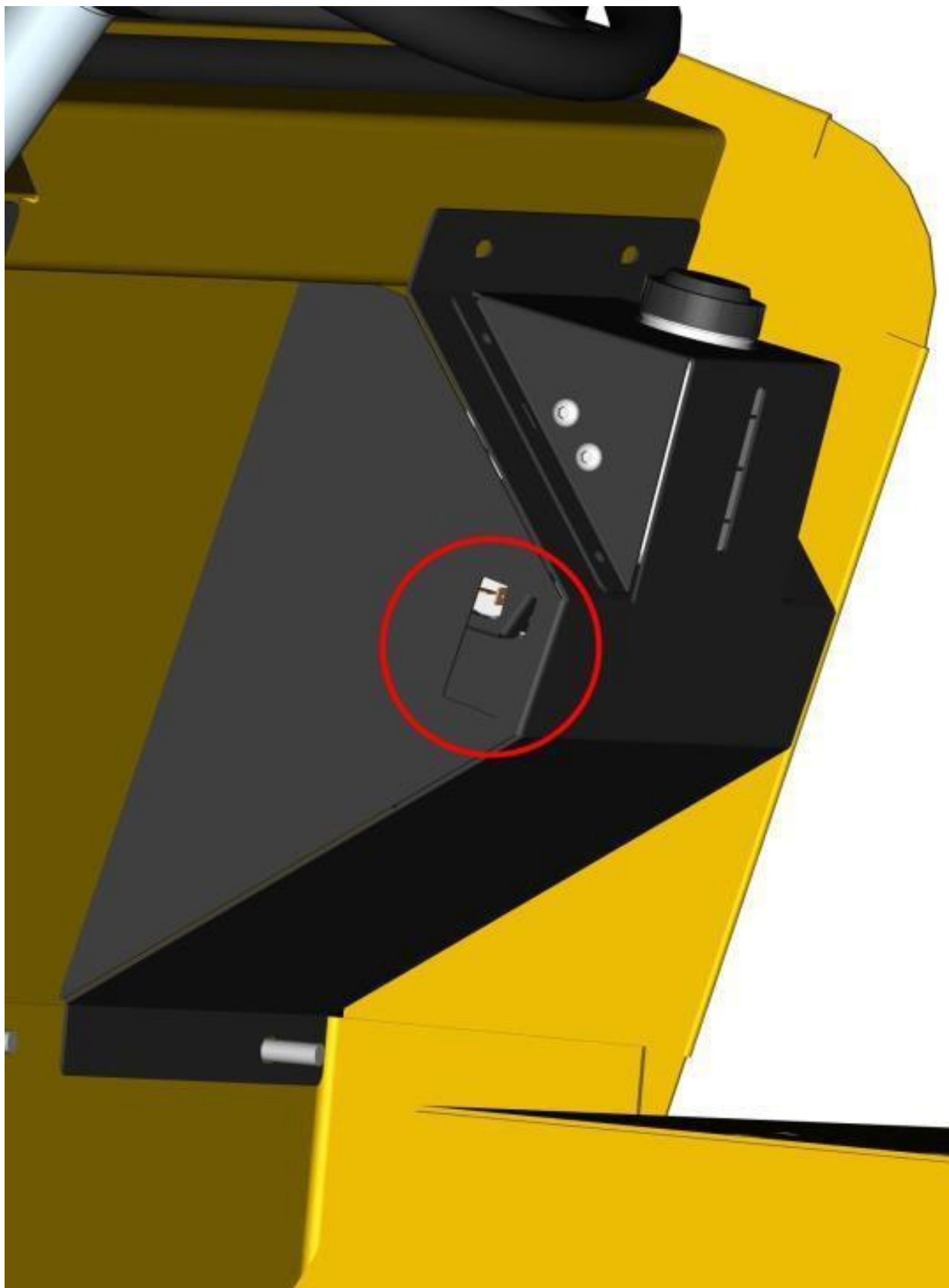
Connect the Wiper Harness from the wiper/washer and the washer tube to the washer pump. Use red wire to top terminal and yellow/green wires to bottom terminal

DETAILED VIEW of the harness connection to pump



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Connect the switch branch of the Wiper Harness plug to the back of the wiper/washer switch and press the switch into the hole.

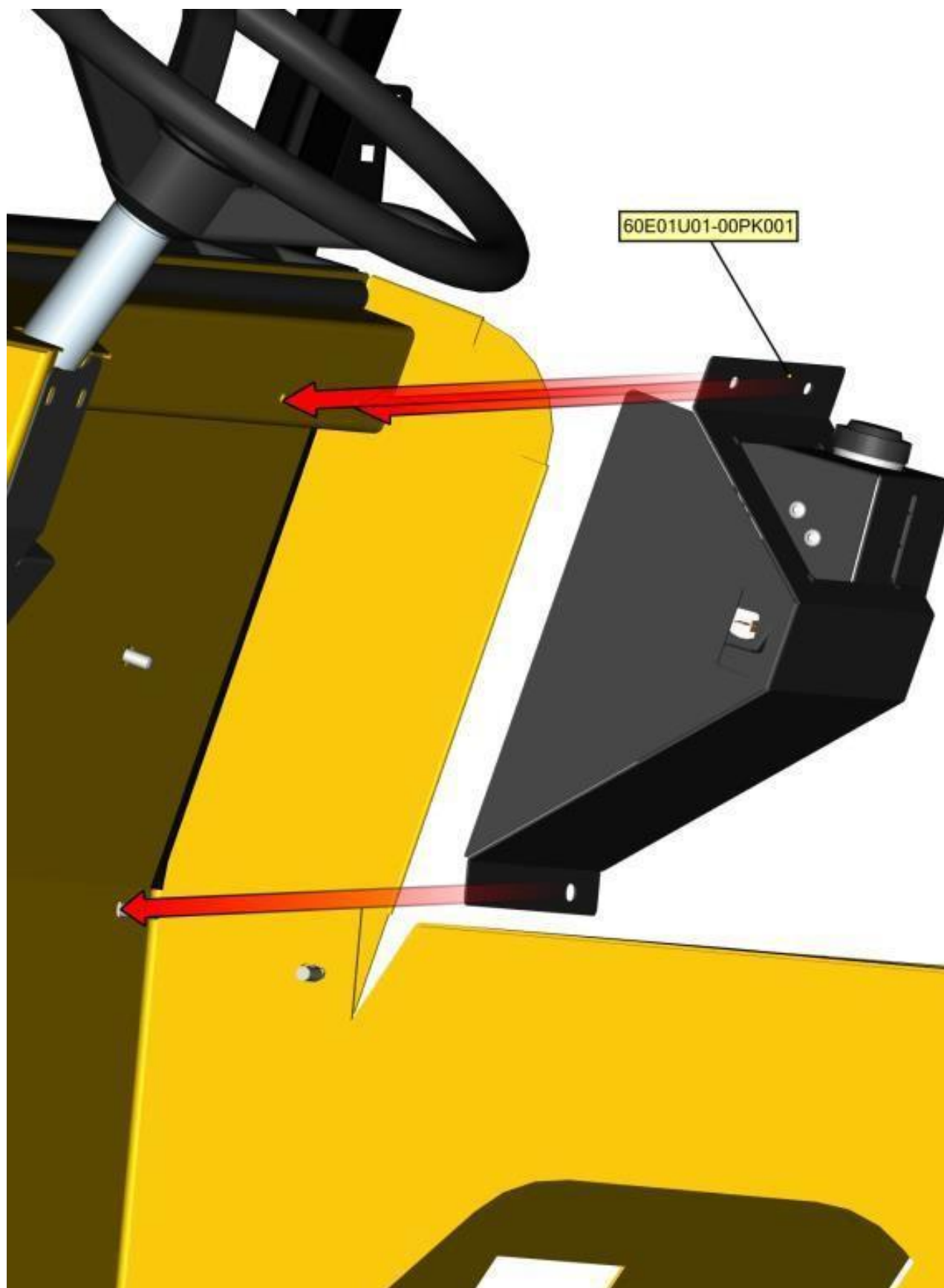


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DETAILED VIEW OF PLUG IN TO BACK OF SWITCH

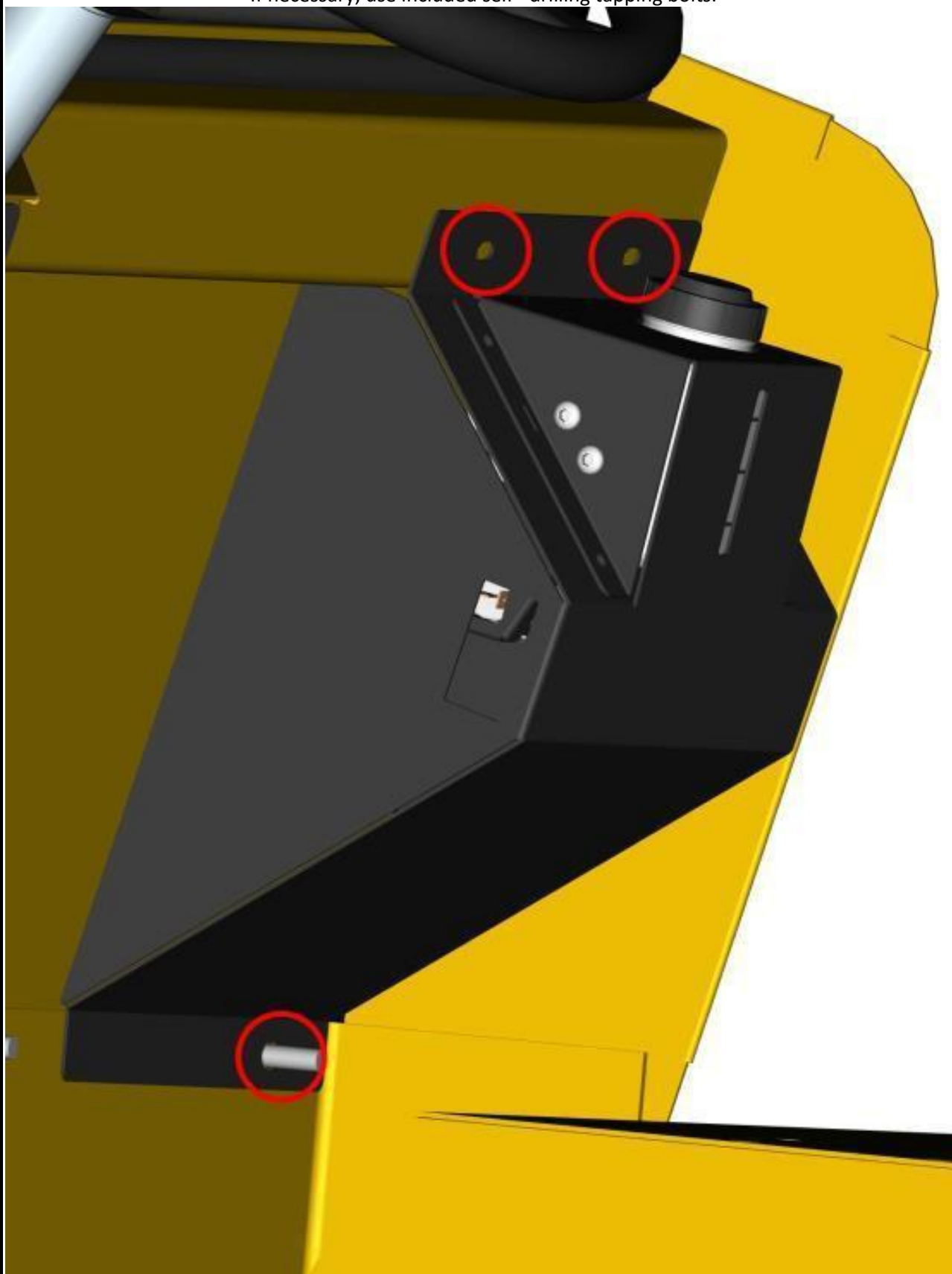
**INSERT FUSE INTO BLOCK SHOWN ON PAGE 69
REINSTALL BACK WOODEN PANEL AND SECURE WITH THE 2 SCREWS.**

Align the washer assembly into best position.



78

Fix the washer assembly to the dashboard with the original bolts.
If necessary, use included self –drilling tapping bolts.



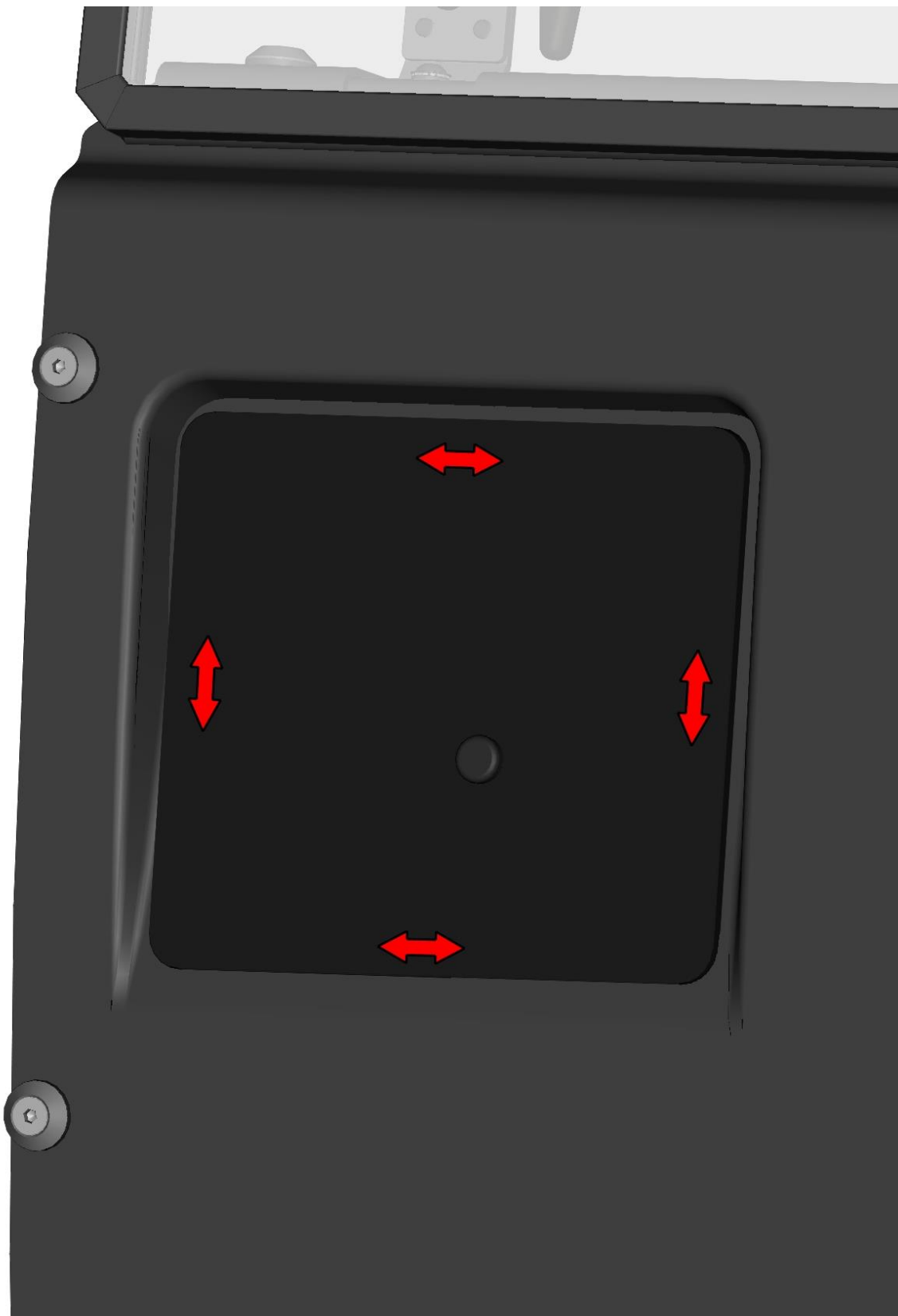
DETAILED VIEW



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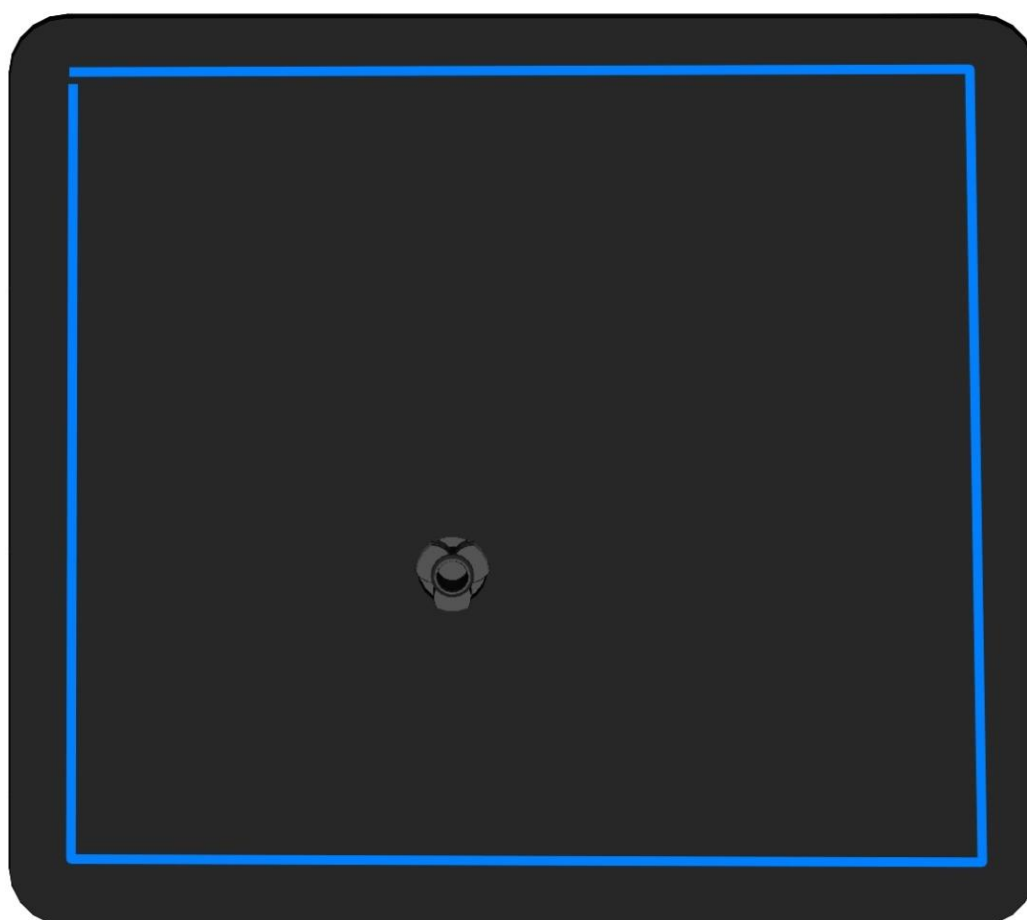
HD MODELS WITH NO HEADLIGHTS

Pre-determine the proper position for the Blackout plate to cover the headlight openings

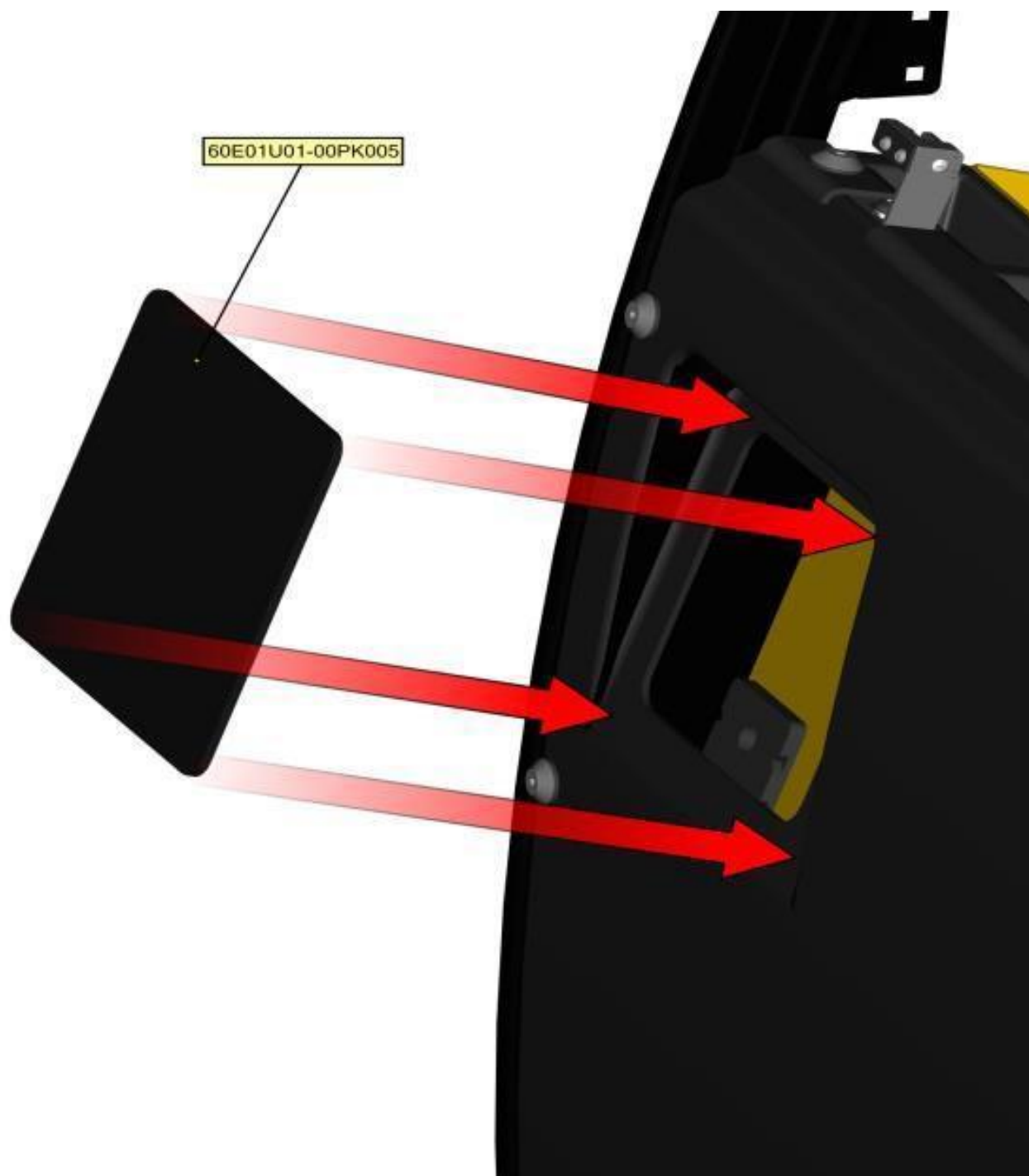


81

Remove the cover layer from the 2-sided tape along the back of the Blackout cover.



Position and push the Blackout cover into place, being sure to push down around the entire edge.



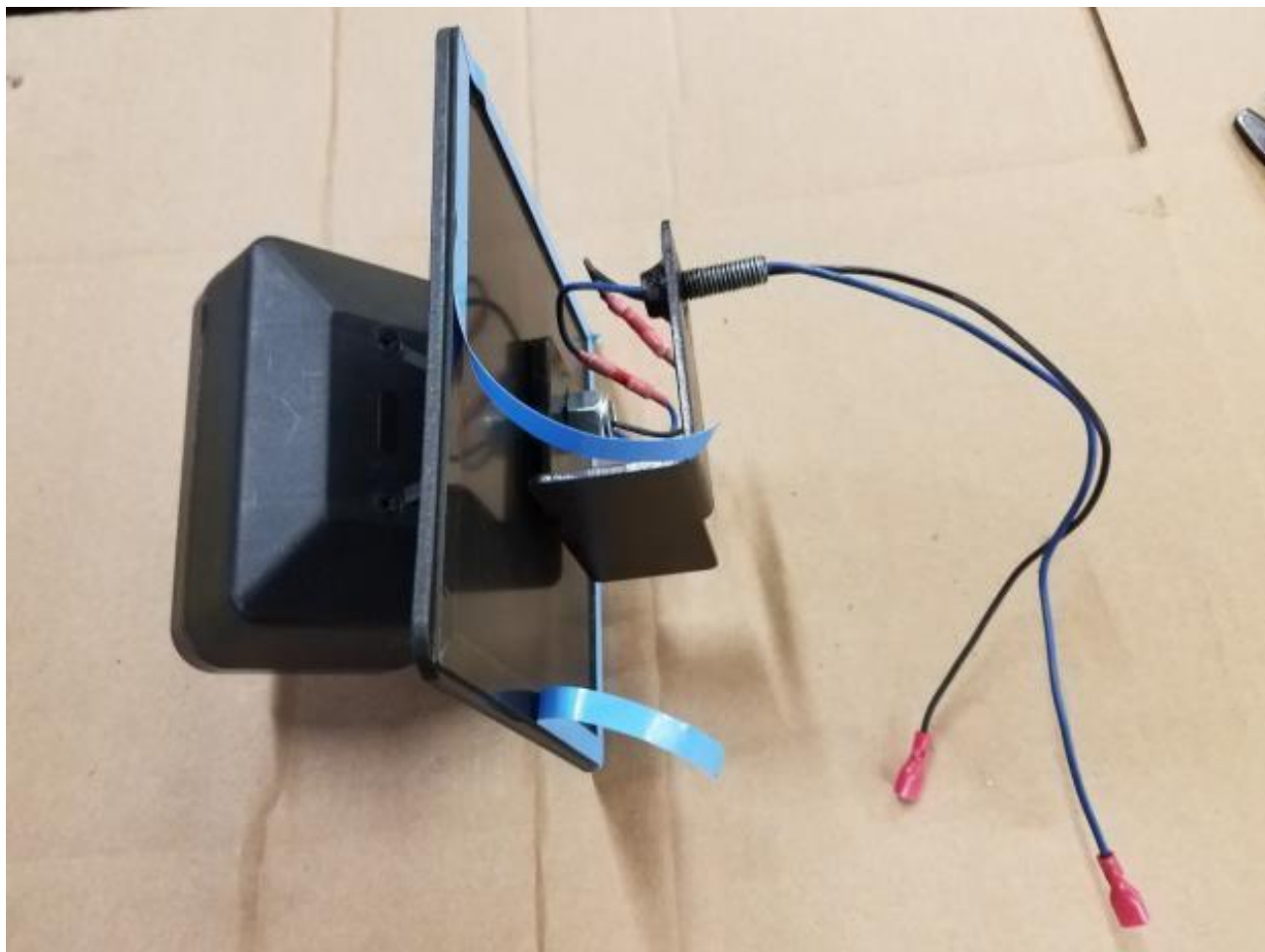
83

If the cover is not firmly held, use the supplied ABS adhesive

HD MODELS WITH HEADLIGHTS

Create an assembly using the headlight, Blackout cover, standoff bracket and additional wire as shown below.

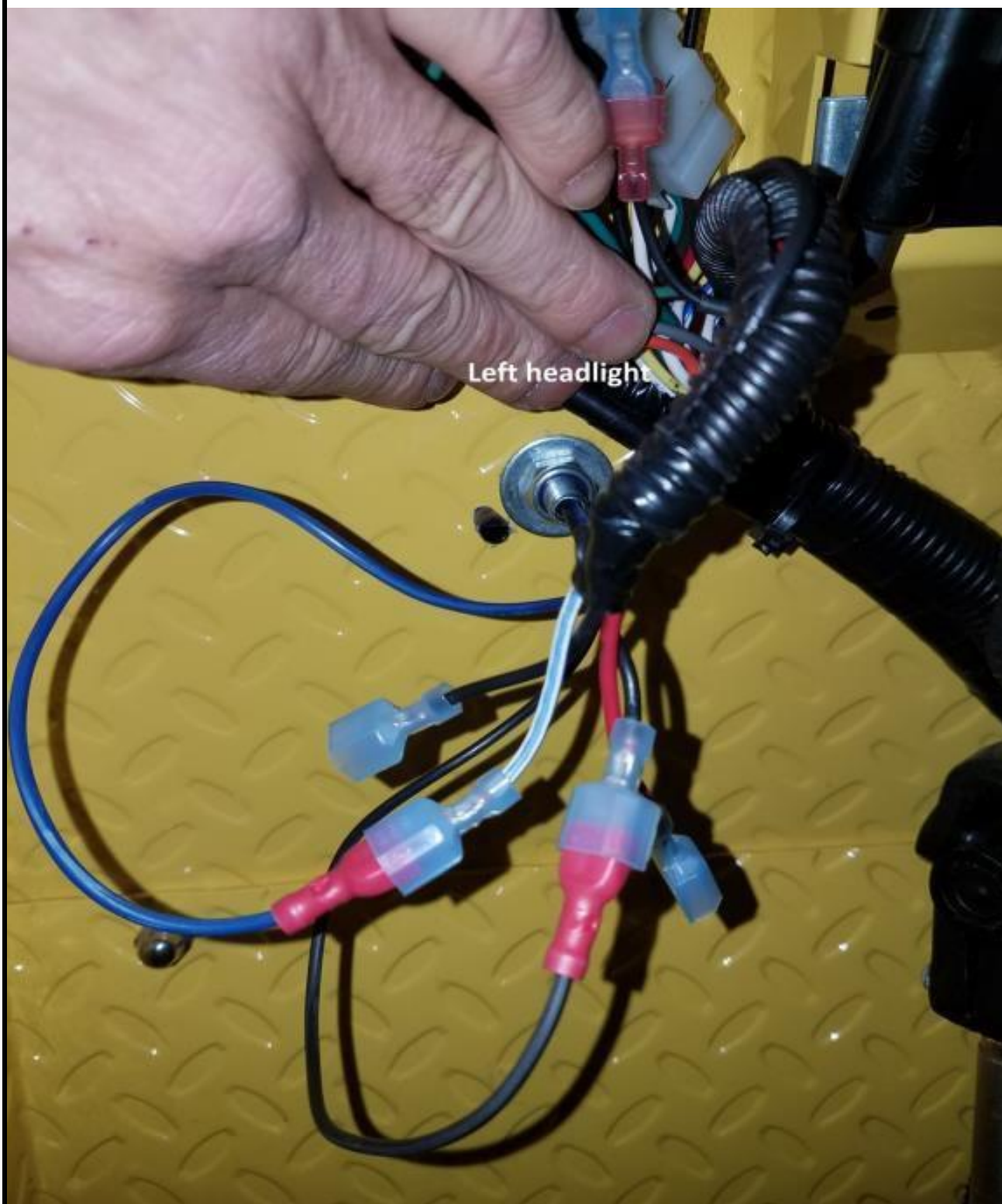
1. Remove hole plug from plastic cover panel
2. Pull light wires through the hold and Insert mounting stem
3. Put short side of mounting bracket over mounting stem and mounting nut. Tighten.
4. Insert wire extensions through the back-mounting stem and connect to the light wires with butt connectors



5. Remove the cover layer from the 2-sided tape
6. Feed the extension wires through the existing light mounting hole on the front of the vehicle
7. Push the back bracket stem into the hole, and apply pressure around the perimeter of the plastic cover to allow the tape to adhere.
8. Put supplied bolt on the back bracket stem from behind to secure the entire light assembly
9. Crimp spade connectors onto extension wires
10. Reconnect the power wires to the extension wires to the headlight.



DETAILED VIEW



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DETAILED VIEW





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**Return to pgs. 58-64 to complete HD
installation**