



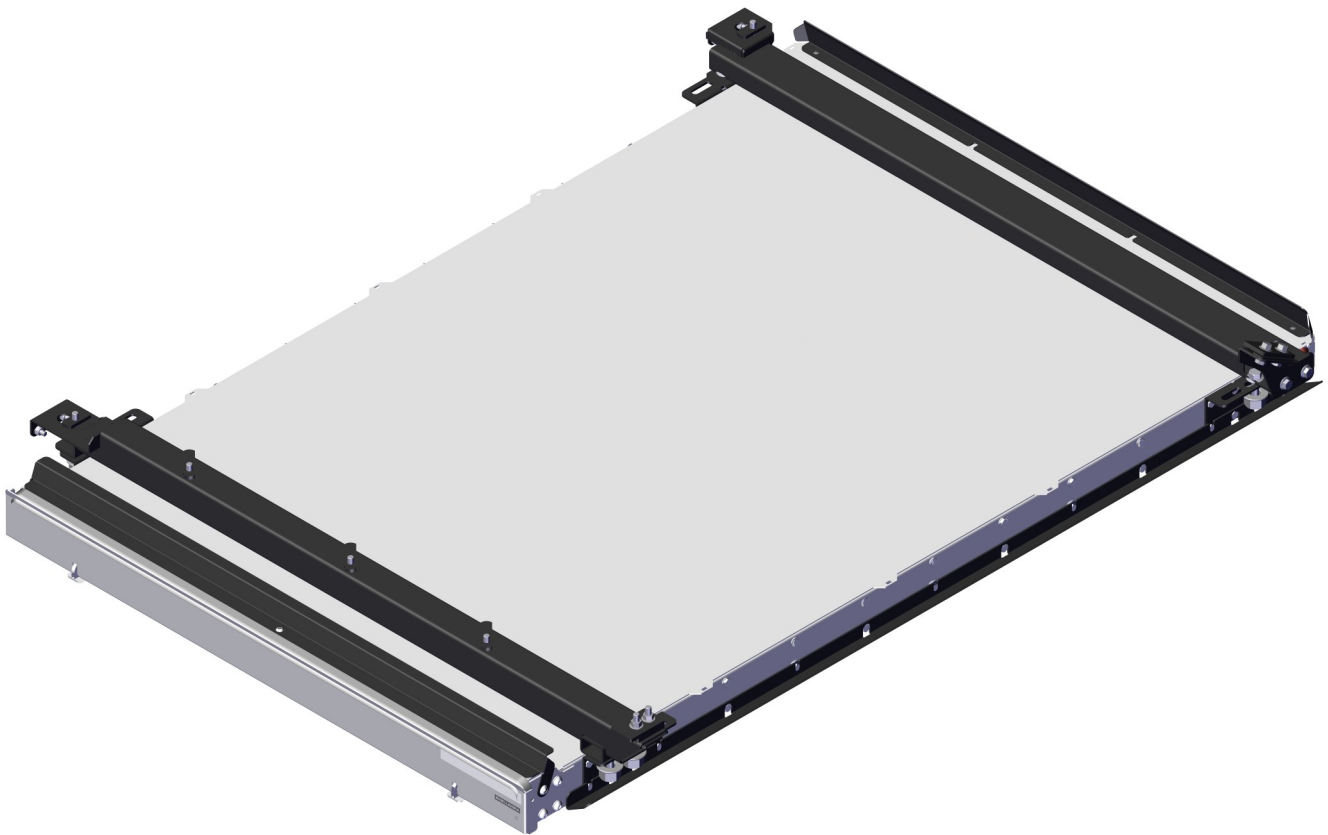
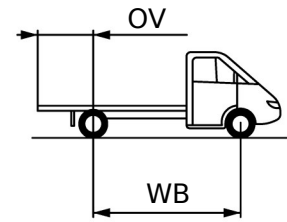
DHOLLANDIA

Mounting Instructions
MM.8.M12.R.S

Rev. 0

Mercedes-Benz V-CLASS 2014-... (W447)

Side/Rear installation | Lift type: DH-CH104.03.01
FWD/RWD/AWD | Single/Double wheel | WB= 3200 | OV= /



EN



- Ignorance and / or negligence upon installation can put the installer, bystanders and third parties at great risk of severe personal injury or death. Therefore ALWAYS take note of the separate INSTALLATION GUIDELINES: IMPORTANT PRACTICES AND SAFETY PRECAUTIONS manual. The most recent version of this manual can be downloaded from: www.dhollandia.com > country & language selection > downloads > mounting instructions > select the required manual
- ALWAYS observe the FITTING AND BODY BUILDING INSTRUCTIONS of the vehicle manufacturer.
- In case of doubt, contact the national DHOLLANDIA distributor for further assistance. DHOLLANDIA distributors can be located via: www.dhollandia.com > country & language selection > distributors & service.
- DHOLLANDIA disclaims liability for any personal injury, death or property damage that results from negligence in the compliance with above-mentioned guidelines and the installation instructions in this manual.

NL



- Onwetendheid en / of nalatigheid tijdens de montage, kan de monteur, omstanders en derde personen aan ernstig risico op persoonlijk letsel of overlijden blootstellen. Neem daarom ALTIJD kennis van onze afzonderlijke handleiding MONTAGERICHTLIJNEN: BELANGRIJKE RICHTLIJNEN EN VEILIGHEIDSVOORSCHRIFTEN. De meest recente editie van deze handleiding kan gedownload worden via www.dhollandia.com > land- en taalkeuze > downloads > montage instructies > selecteer de benodigde manual
- Respecteer ALTIJD de MONTAGE- EN OPBOUWVOORSCHRIFTEN van de voertuig fabrikant.
- Bij twijfel, contacteer de nationale DHOLLANDIA verdeler voor verdere hulp. DHOLLANDIA verdelers zijn te vinden via www.dhollandia.com > land- en taalkeuze > Distributeurs & Service
- DHOLLANDIA wijst alle aansprakelijkheid af voor persoonlijk letsel, overlijden of materiaal schade die het gevolg is van nalatigheid in het naleven van bovengenoemde richtlijnen en de montagevoorschriften in deze handleiding.

FR



- L'ignorance et / ou la négligence lors du montage peuvent exposer le monteur, d'autres personnes à proximité, et des tiers à un risque élevé de blessures graves ou de mort. Par conséquent, prenez TOUJOURS note de manuel séparé GUIDE D'INSTALLATION : PRATIQUES IMPORTANTES ET CONSIGNES DE SECURITE. L'édition la plus récente de ce manuel peut être téléchargée via : www.dhollandia.com > sélection du pays et de la langue > téléchargements > instructions de montage > sélectionnez le manuel requis
- Respectez TOUJOURS les INSTRUCTION DE MONTAGE ET DE CARROSSAGE du constructeur du véhicule.
- En cas de doute, contactez le distributeur DHOLLANDIA national pour obtenir de l'aide. Les distributeurs DHOLLANDIA peuvent être localisés via : www.dhollandia.com > sélection du pays et de la langue > Distributeurs et Services
- DHOLLANDIA décline toute responsabilité en cas de blessures, de décès ou de dommages matériels résultant d'une négligence dans le respect des directives susmentionnées et des instructions de montage de ce manuel.

IT



- Ignorare e/o essere negligenti durante l'installazione potrebbe sottoporre l'installatore, chi lo circonda e terzi ad alti rischi di gravi lesioni o morte. Pertanto SEMPRE prendere nota del separato MANUALE D'INSTALLAZIONE: PRATICHE IMPORTANTI E PRECAUZIONI DI SICUREZZA. L'edizione più recente di questo manuale si può scaricare tramite: www.dhollandia.com > seleziona paese & lingua > Downloads > Istruzioni di montaggio > seleziona il manuale richiesto
- SEMPRE seguire L' ISTRUZIONE DI MONTAGGIO DEL COSTRUTTORE del veicolo.
- In caso di perplessità, contatta il tuo distributore nazionale DHOLLANDIA per richiedere assistenza. Il tuo distributore DHOLLANDIA può essere trovato su : www.dhollandia.com > seleziona paese & lingua > Distributori & Service.
- DHOLLANDIA declina ogni responsabilità per qualsiasi lesione personale, morte o danno a proprietà derivata dalla negligenza nel seguire le linee guida di cui sopra e le istruzioni di installazione in questo manuale.

PT



- A ignorância e / ou negligência durante a montagem podem colocar o instalador , outras pessoas nas proximidades e terceiros a um alto risco de ferimentos graves ou morte. Portanto, SEMPRE tome nota de um manual separado: GUIA DE INSTALAÇÃO: PRÁTICAS IMPORTANTES E INSTRUÇÕES DE SEGURANÇA. A edição mais recente deste manual pode ser baixada em: www.dhollandia.com> seleção de país e idioma> downloads> instruções de montagem> selecione o manual necessário
- Siga SEMPRE as INSTRUÇÕES DE MONTAGEM E FABRICO DA CARROÇARIA do fabricante do veículo.
- Em caso de dúvida, entre em contato com o distribuidor nacional da DHOLLANDIA para obter assistência. Os distribuidores da DHOLLANDIA podem ser localizados em: www.dhollandia.com> seleção de país e idioma> Distribuidores e serviços
- A DHOLLANDIA declina toda a responsabilidade em caso de ferimentos, morte ou danos materiais resultantes de negligência no cumprimento das diretrizes mencionadas acima e das instruções de montagem neste manual.

ES



- La ignorancia y / o el descuido durante el ensamblaje pueden exponer al ensamblador, a otras personas cercanas y a terceros a un alto riesgo de lesiones graves o la muerte. Por lo tanto, SIEMPRE tome nota de un manual separado GUÍA DE INSTALACIÓN: PRÁCTICAS IMPORTANTES E INSTRUCCIONES DE SEGURIDAD. La edición más reciente de este manual se puede descargar de: www.dhollandia.com> selección de país e idioma> descargas> instrucciones de montaje> seleccione el manual requerido.
- SIEMPRE siga las INSTRUCCIONES DE MONTAJE Y CARROZADO del fabricante del vehículo.
- En caso de duda, póngase en contacto con su distribuidor nacional de DHOLLANDIA para obtener ayuda. Los distribuidores de DHOLLANDIA se pueden encontrar en: www.dhollandia.com> selección de país e idioma> Distribuidores y servicios.
- DHOLLANDIA declina toda responsabilidad en caso de lesiones, muerte o daños materiales como resultado de negligencia en cumplimiento de las directivas mencionadas anteriormente y las instrucciones de montaje en este manual.

PL



- Ignorowanie wytycznych bądź zaniedbania podczas montażu mogą narazić montażystę oraz osoby postronne na poważne ryzyko obrażeń ciała lub śmierci. Dlatego ZAWSZE należy pamiętać o INSTRUKCJI MONTAŻU: WAŻNYCH WSKAZÓWKACH i ZASADACH BEZPIECZEŃSTWA. Najnowszą wersję niniejszej instrukcji możesz pobrać z: www.dhollandia.com , państwo & wybór języka, pobieranie, instrukcje montażu, wybór wymaganej instrukcji.
- ZAWSZE należy przestrzegać INSTRUKCJI MONTAŻU ORAZ INSTRUKCJI ZABUDOWY producenta pojazdu.
- W razie wątpliwości skontaktuj się ze swoim dystrybutorem DHOLLANDIA po więcej wskazówek. Znajdziesz go poprzez stronę internetową: www.dhollandia.com , państwo & wybór języka, dystrybutorzy, serwis.
- DHOLLANDIA zrzuca się odpowiedzialności za jakiegokolwiek obrażenia ciała, śmierć lub szkody materialne, które wynikły z zaniedbania w zakresie przestrzegania wyżej wymienionych wytycznych i instrukcji montażu w niniejszym dokumencie.

Prescribed torque values for bolts supplied with wheelchair lift and mounting set

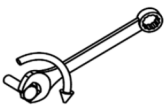
- Installer **MUST** verify that all bolted connections are fastened with the required torque in conformance with this table.
- After weight testing, installer **MUST** verify that all bolted connections between lift frame and mounting plates, and between mounting plates and vehicle chassis are still tightened in conformance with the required torque. Retighten if required.
- Use a calibrated torque wrench to tighten bolt and nut connections to the prescribed torque value.

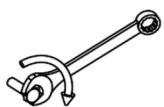
NOTICE



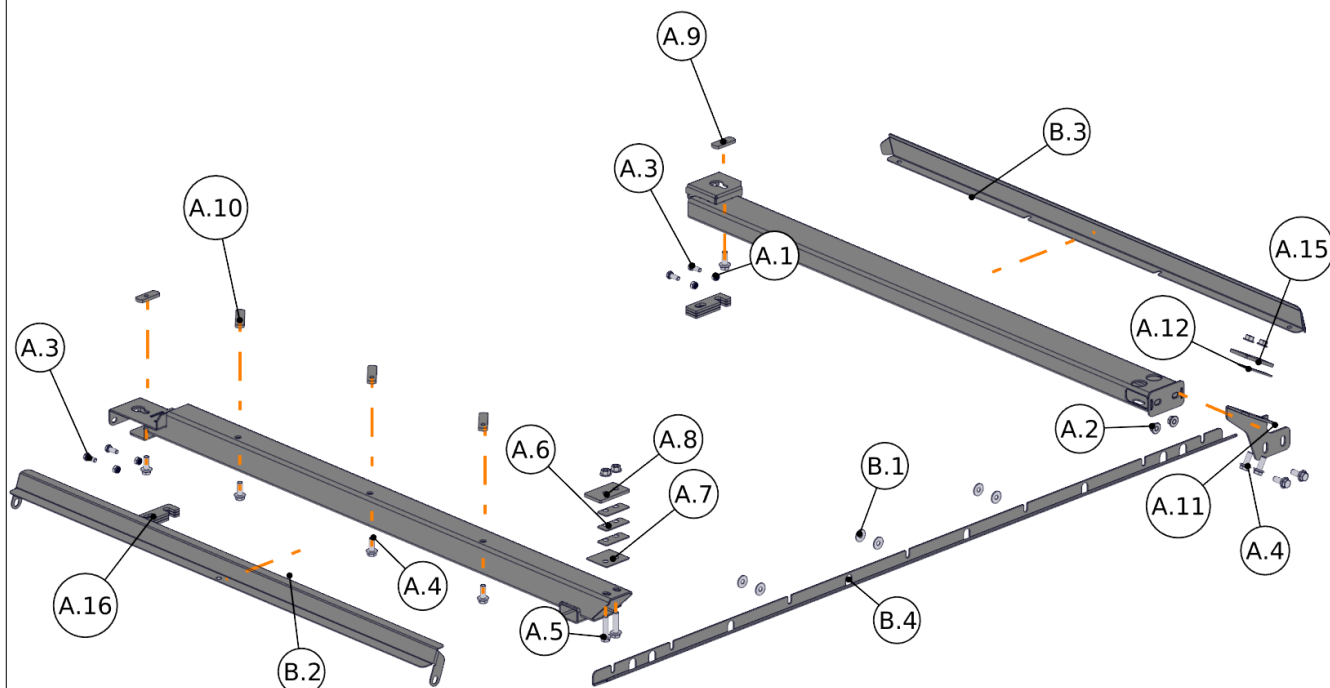
WARNING

- Incorrect, too soft or too hard tightening of mounting bolts can lead to accidental fall of the wheelchair lift from the vehicle chassis.
- A fall of the wheelchair lift from the chassis can damage the wheelchair lift and / or vehicle chassis and can cause serious bodily injury or death to the operator and any bystanders.
- Therefore, it is essential that the mounting plates are installed following the instructions of this manual.

Prescribed torque values				
Nm 	Type of stress			
	Pull		Shear	
	Class		Class	
	8.8	10.9	8.8	10.9
Metric Value				
M08 x 1.25	8	11	23	34
M10 x 1.50	15	22	46	68
M12 x 1.75	26	44	79	116
M14F x 1.50	45	65	135	195
M14 x 2.00	45	65	125	184
M16F x 1.50	100	150	208	300
M16 x 2.00	100	150	195	287
M20F x 1.50	215	310	425	605
M20 x 2.50	191	275	382	550
M24F x 2.00	360	490	715	975
M24 x 3.00	330	472	660	945

Prescribed torque values				
LbsFt 	Type of stress			
	Pull		Shear	
	Class		Class	
	8.8	10.9	8.8	10.9
Imperial Value				
M08 x 1.25	6	8	18	24
M10 x 1.50	11	16.5	34.5	50
M12 x 1.75	17.5	32.5	60.5	85
M14F x 1.50	33	48	99.5	144
M14 x 2.00	33	48	95	136.5
M16F x 1.50	74	110.5	153.5	221.5
M16 x 2.00	74	110.5	144	210
M20F x 1.50	158.5	228.5	313.5	446.5
M20 x 2.50	141	203	282	405.5
M24F x 2.00	265.5	361.5	527.5	719
M24 x 3.00	243.5	348	487	697

Scope of delivery

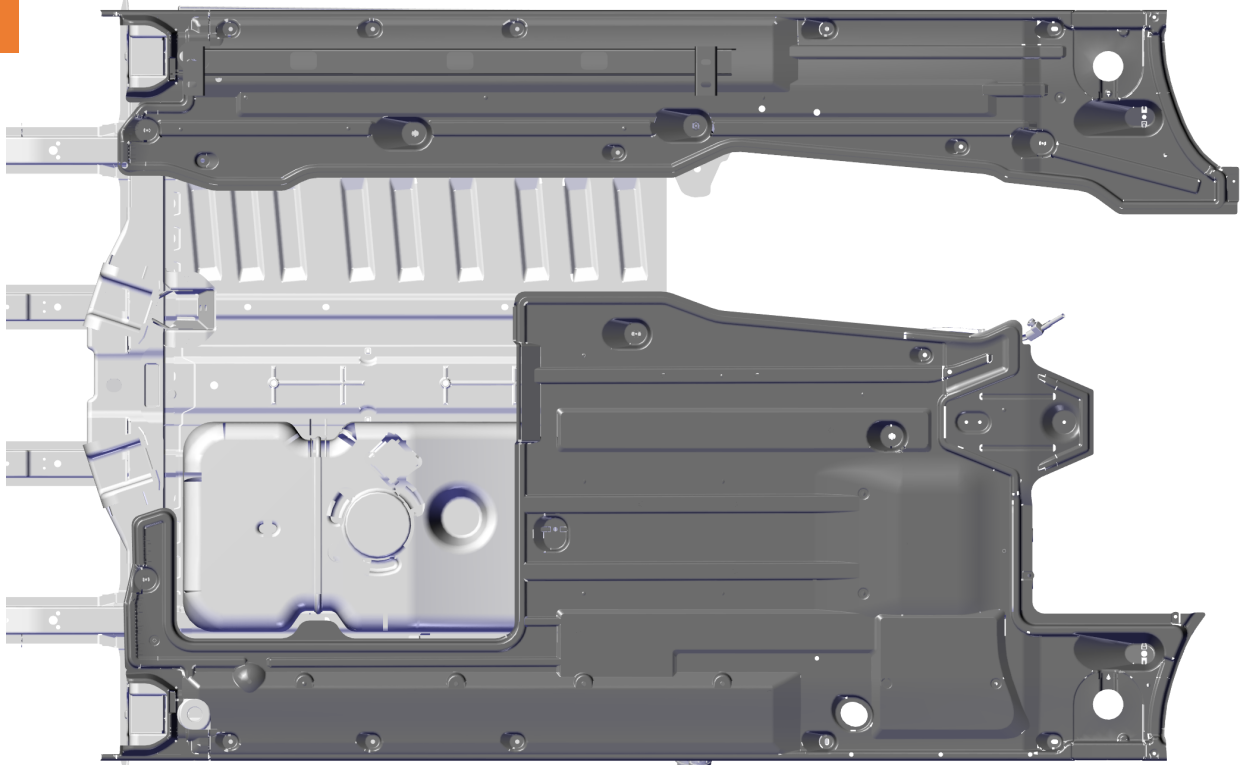


MM.8.M12.R.S

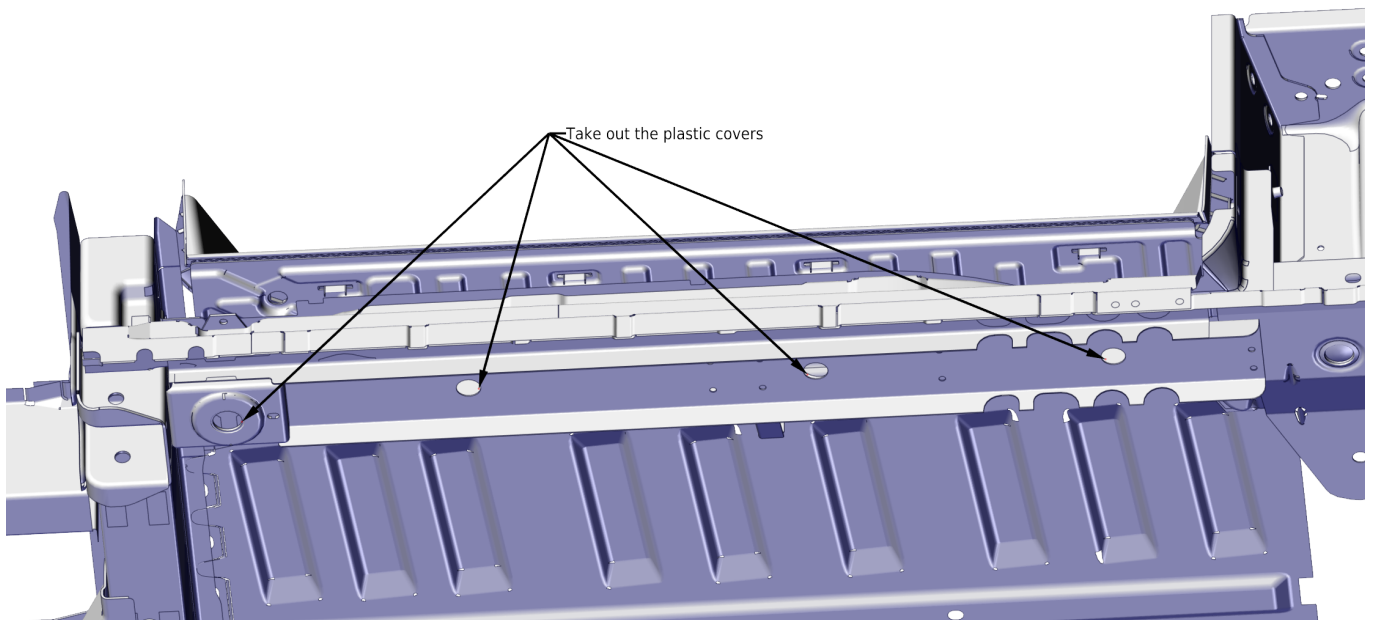
N°	Description	Qty
A.1	Locking nut M8	4
A.2	Flange nut M10	6
A.3	Bolt M8x20	4
A.4	Bolt flange M10x25mm DIN 6921 10.9	9
A.5	Bolt flange M10x40mm	2
A.6	spacer mounting set CH104.03.01	3
A.7	spacer mounting set CH104.03.01	1
A.8	spacer mounting set CH104.03.01	1
A.9	fixation plate mounting set CH104.03.01	2
A.10	fixation plate mounting set CH104.03.01	3
A.11	fitting support mounting set CH104.03.01	1
A.12	spacer mounting set CH104.03.01	1
A.15	spacer mounting set CH104.03.01	1
A.16	spacer mounting bracket CH104.03.01	6

MM.8.M12.A.S (Optional)

N°	Description	Qty
B.1	Washer body M8 - ø24	6
B.2	front plate CH104.03.01 V-Class	1
B.3	Closing plate CH104.03.01 V-class	1
B.4	Protection fixation plate	1

1

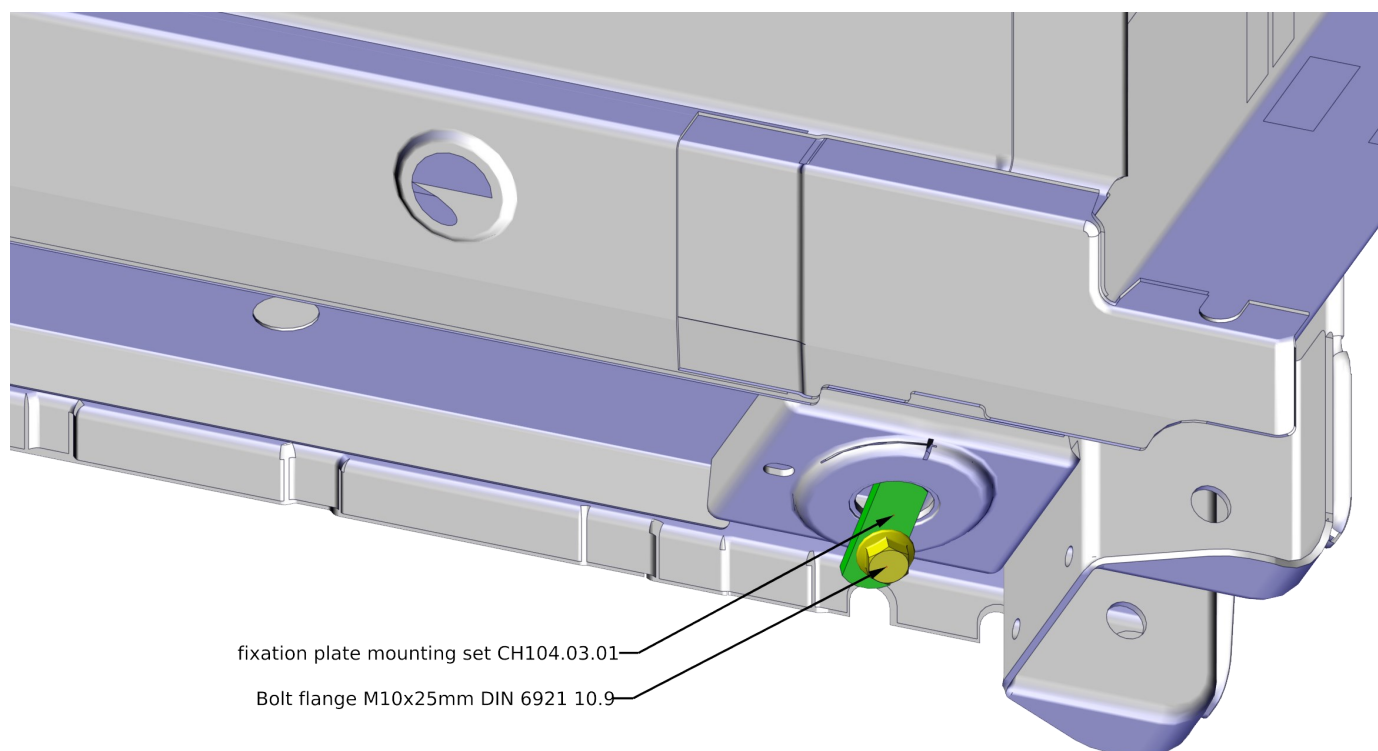
1. Use a vehicle lift to raise the vehicle so you are able to mount the wheelchair lift.
2. Detach the protection plates from the chassis.
3. Make sure to keep the fasteners as you will need them to re-attach the protection plates at the end.

2

Remove plastic closing caps and rear plastic jacking point on both sides of the vehicle.

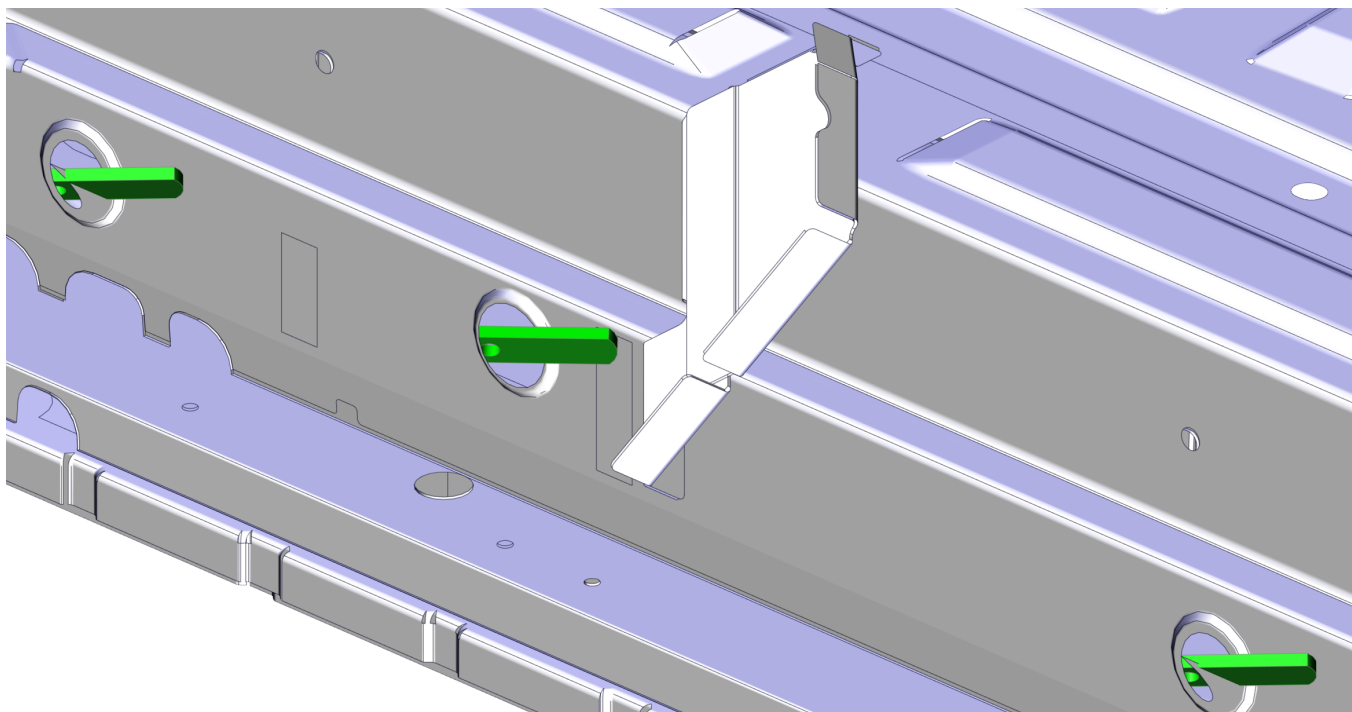
A protective coating has been applied to the vehicle chassis, This coating can create an uneven surface on the body work. To ensure a good fixation of the mounting set to the vehicle chassis and a good alignment of the wheelchair lift, cut away build-ups of excessive coating on the surface where the mounting tube will be attached to.

3

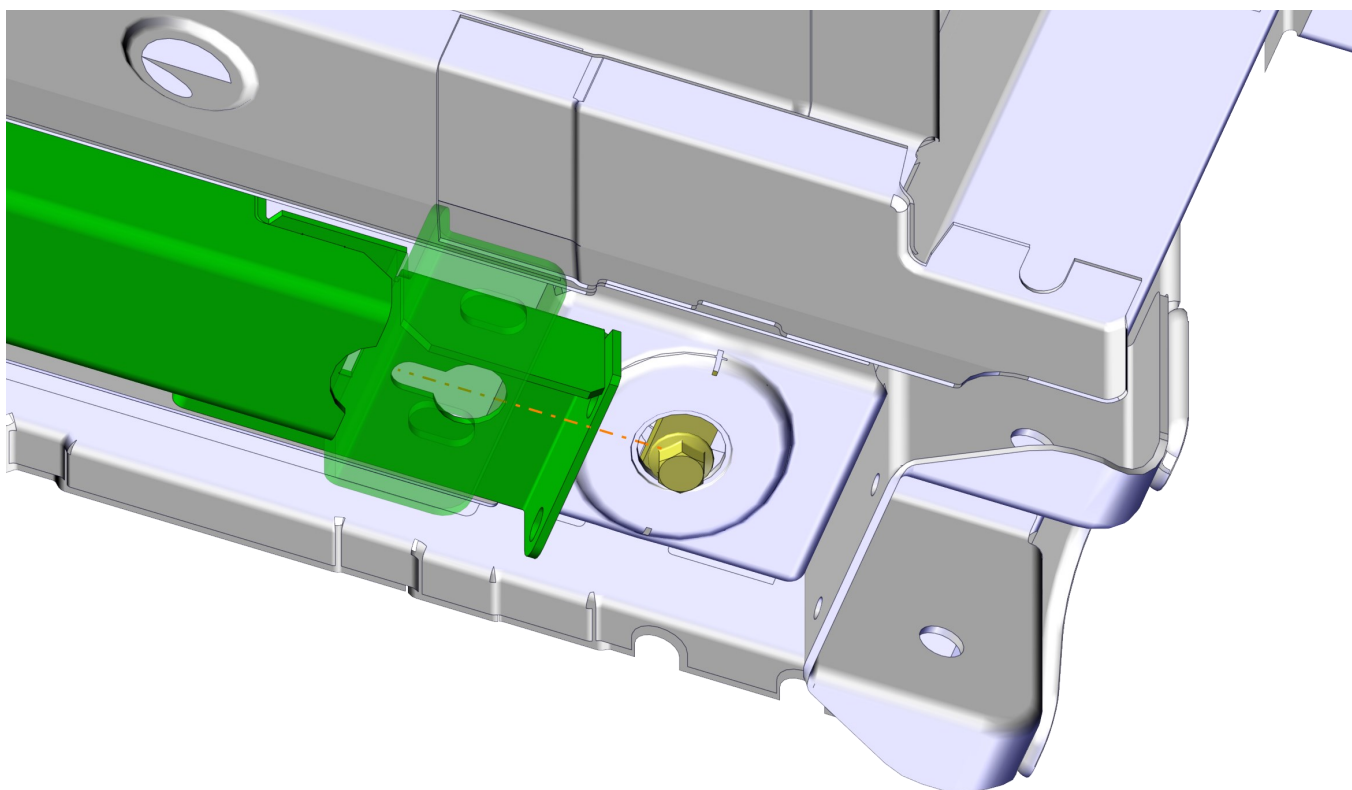


Insert the bolt in the short fixation plate and place it into the hole as shown. Do this on both sides of the vehicle. Don't tighten the bolt in this step.

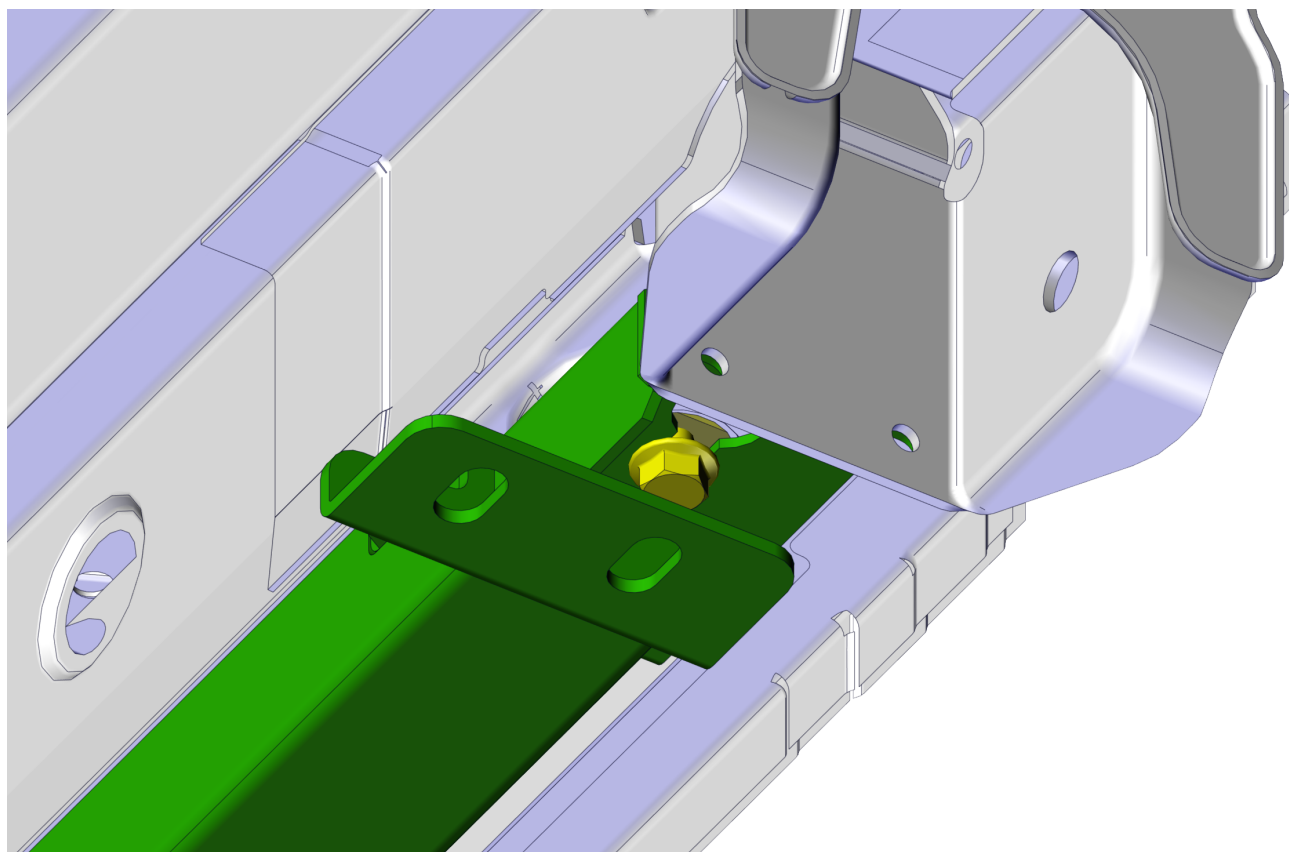
4 Right side vehicle



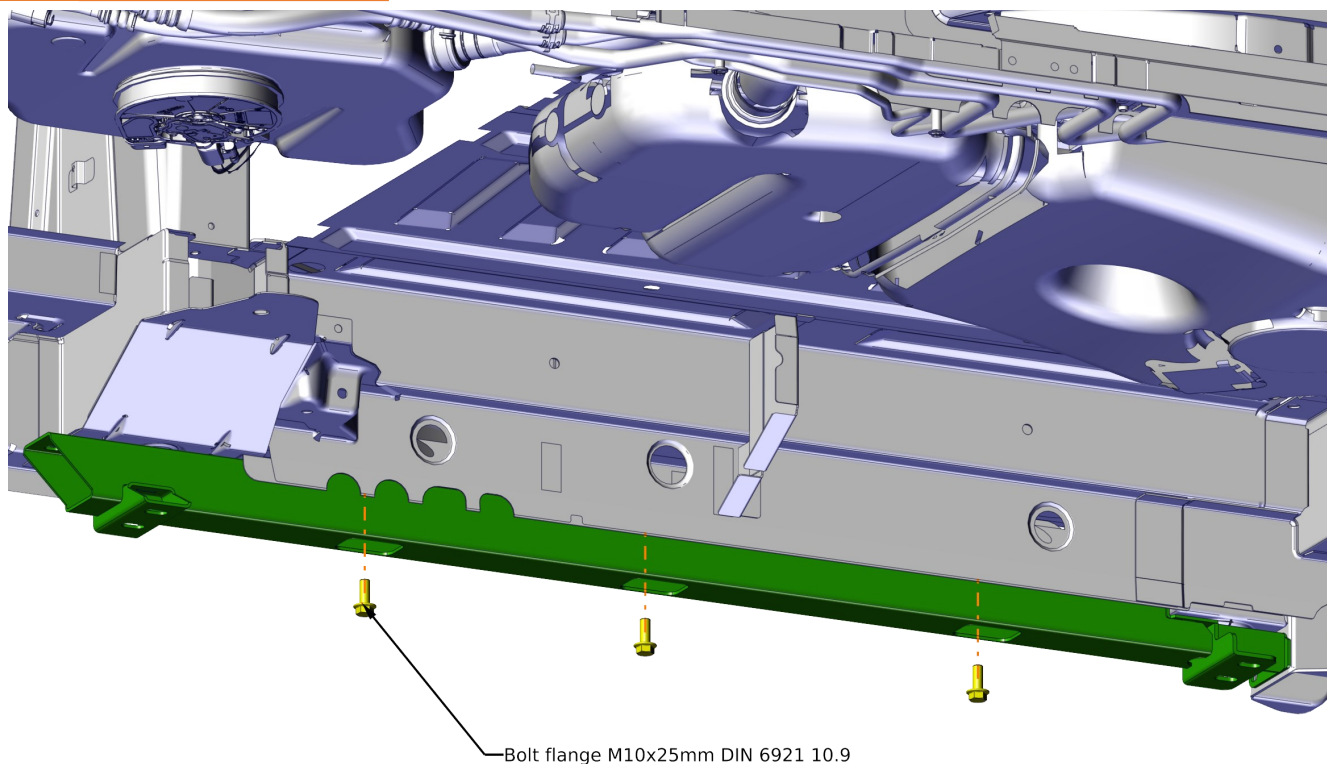
Insert the fixation plates through the chassis perforations on the side. Make sure the threaded hole in the fixation plate is located in the center of the chassis perforations for easy access in step 6. Do this on both sides of the vehicle.



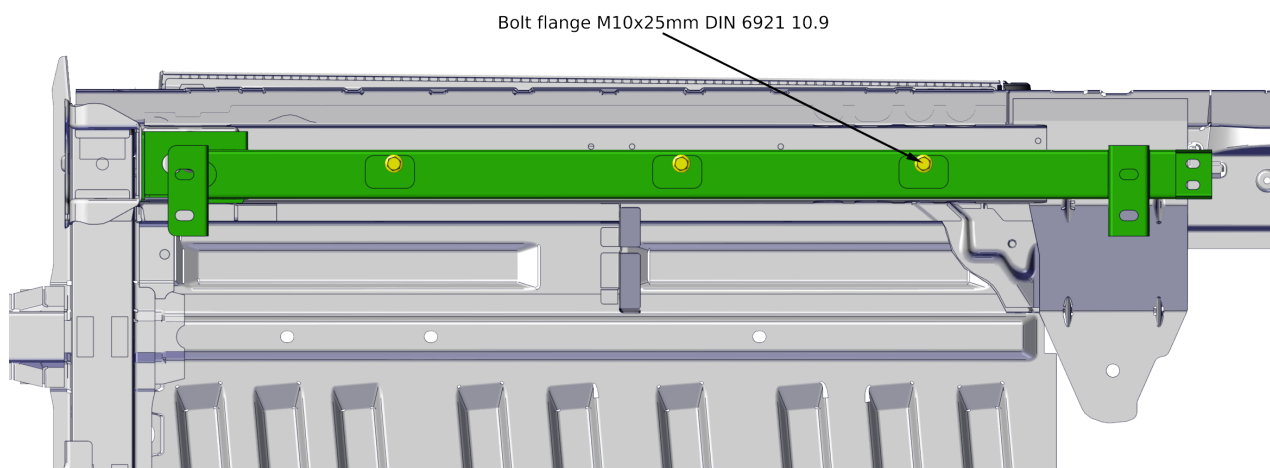
Slide the assembly over the bolt that is located in the chassis perforation.
Tighten this bolt but make sure you are still able to make small position adjustments.



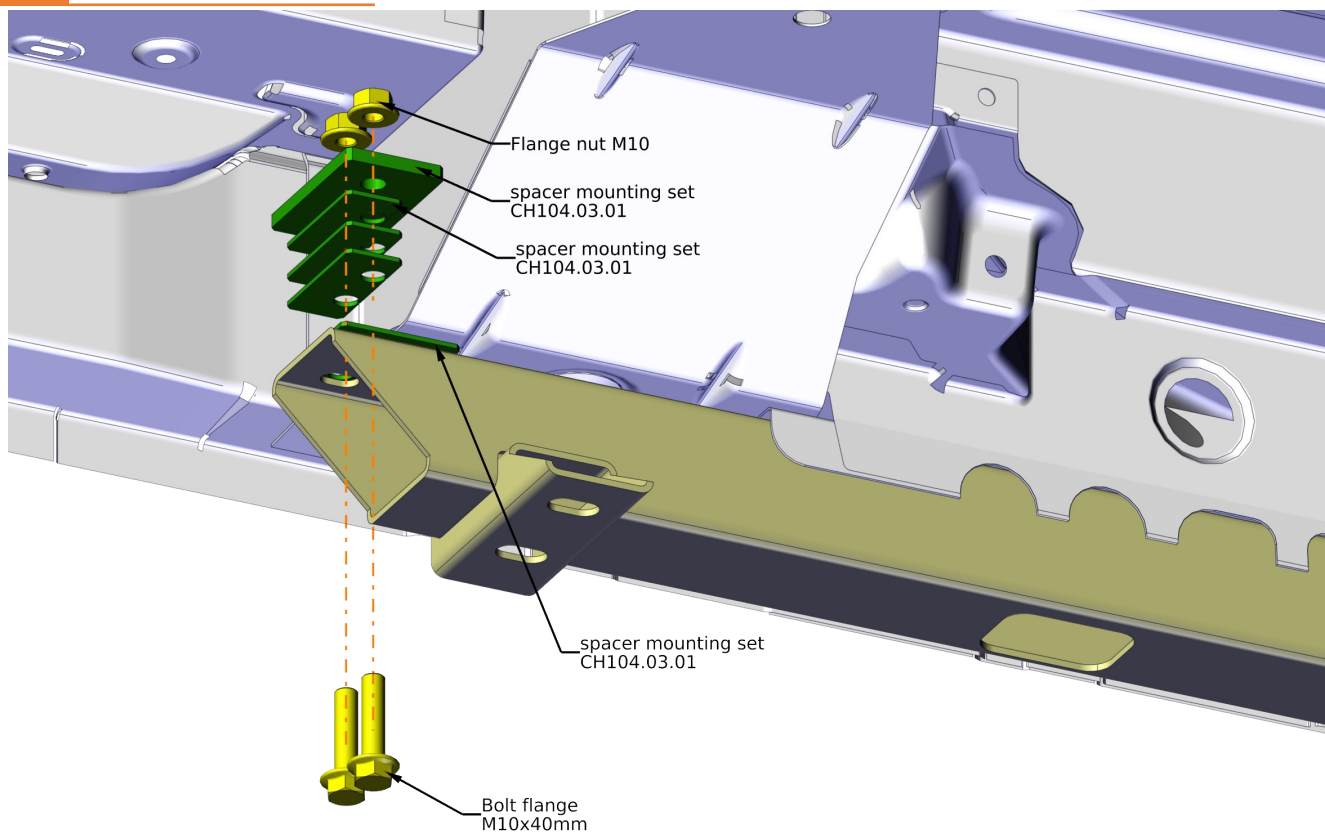
6 Right side vehicle



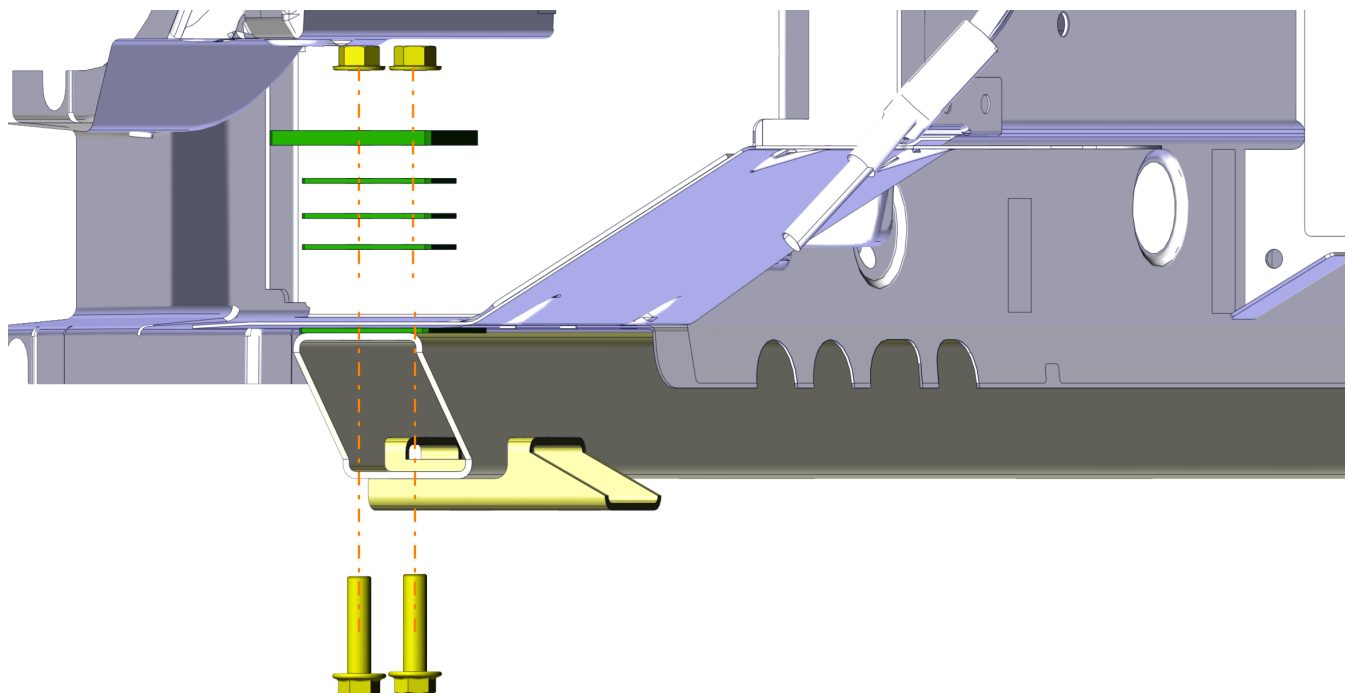
Insert the M10 bolts through the tube into the fixation plates that you placed in step 4. Tighten the bolts but make sure you are still able to make small position adjustments.



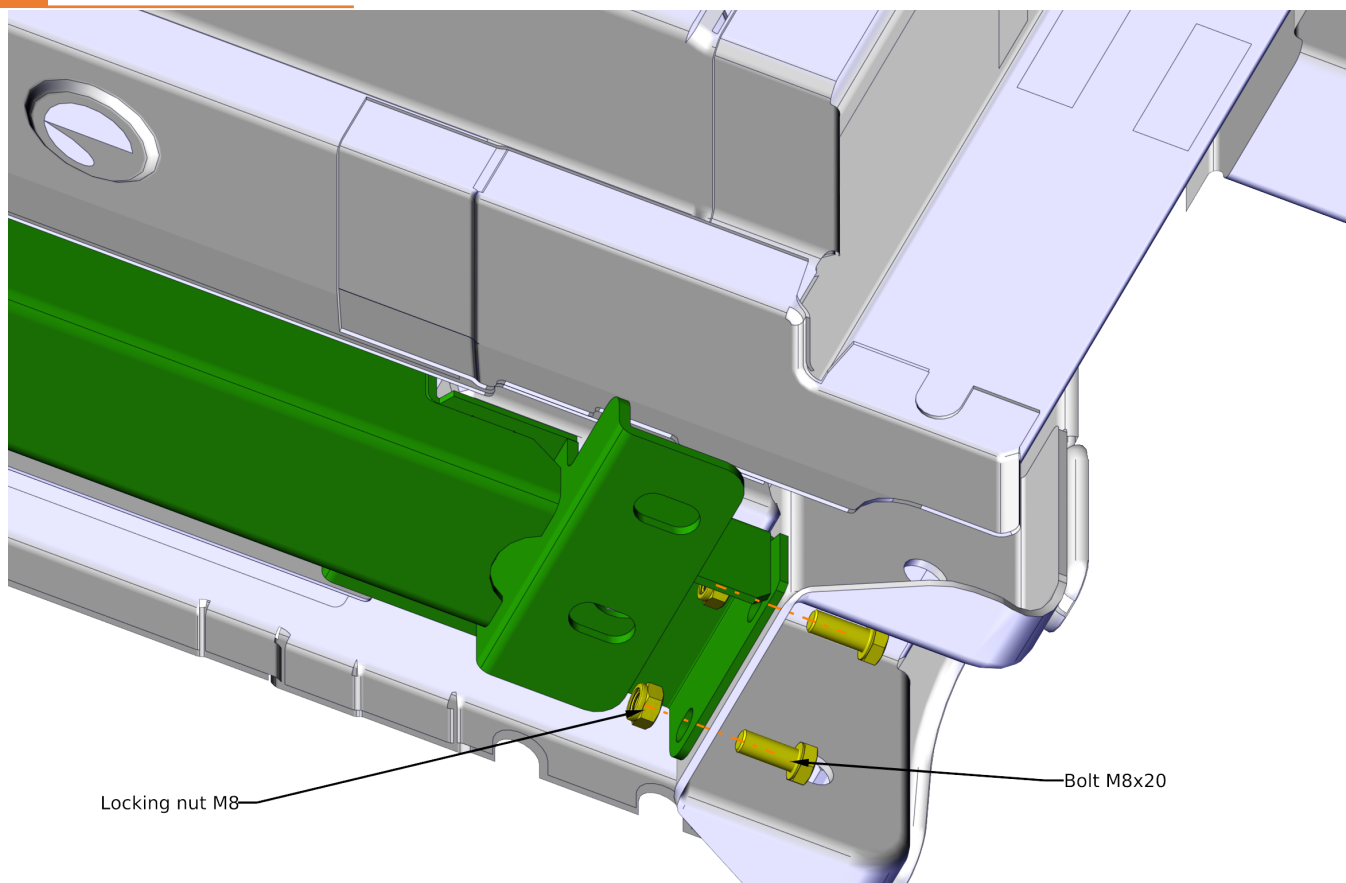
7 Right side vehicle



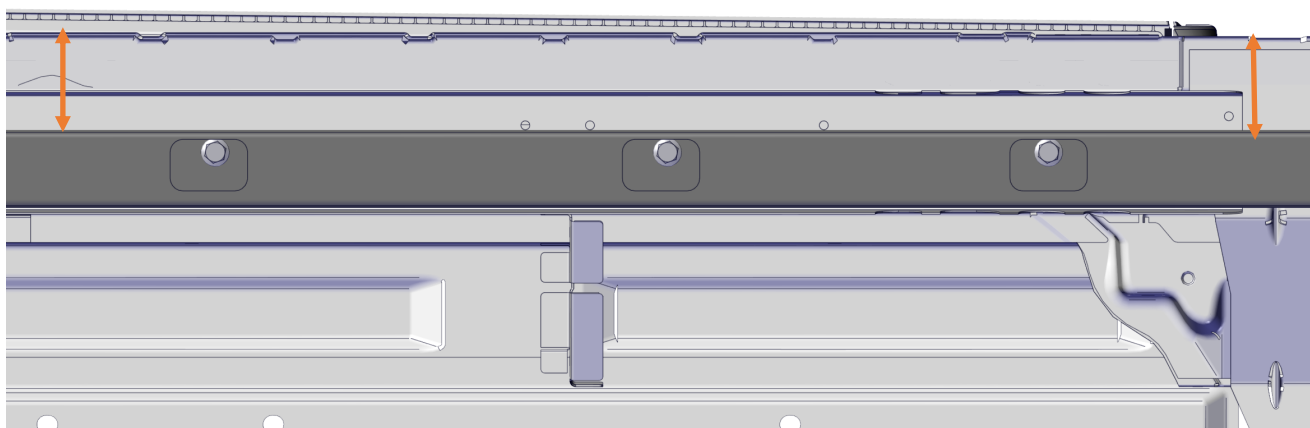
The amount of small spacers that is needed to create a sufficient fixation between the large spacer and the tube can vary depending on the thickness of the protective coating on the chassis.



8 Right side vehicle

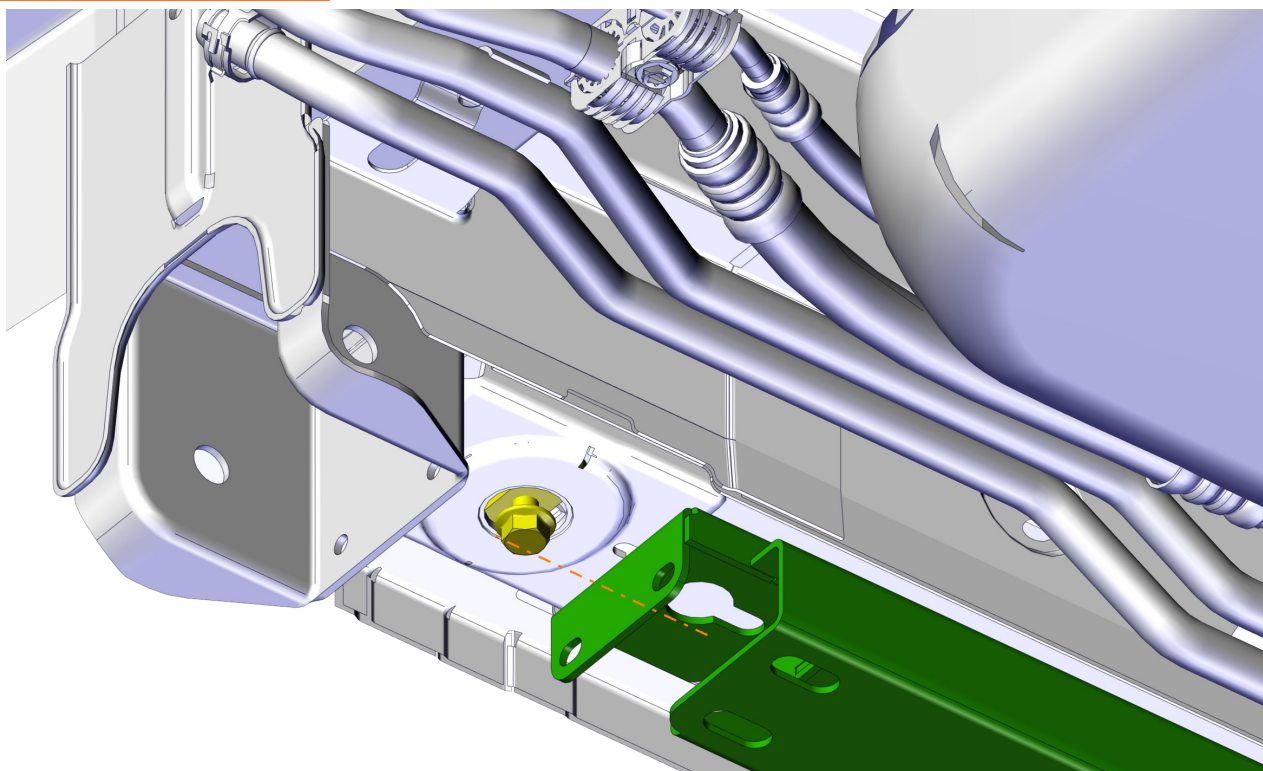


9 Right side vehicle

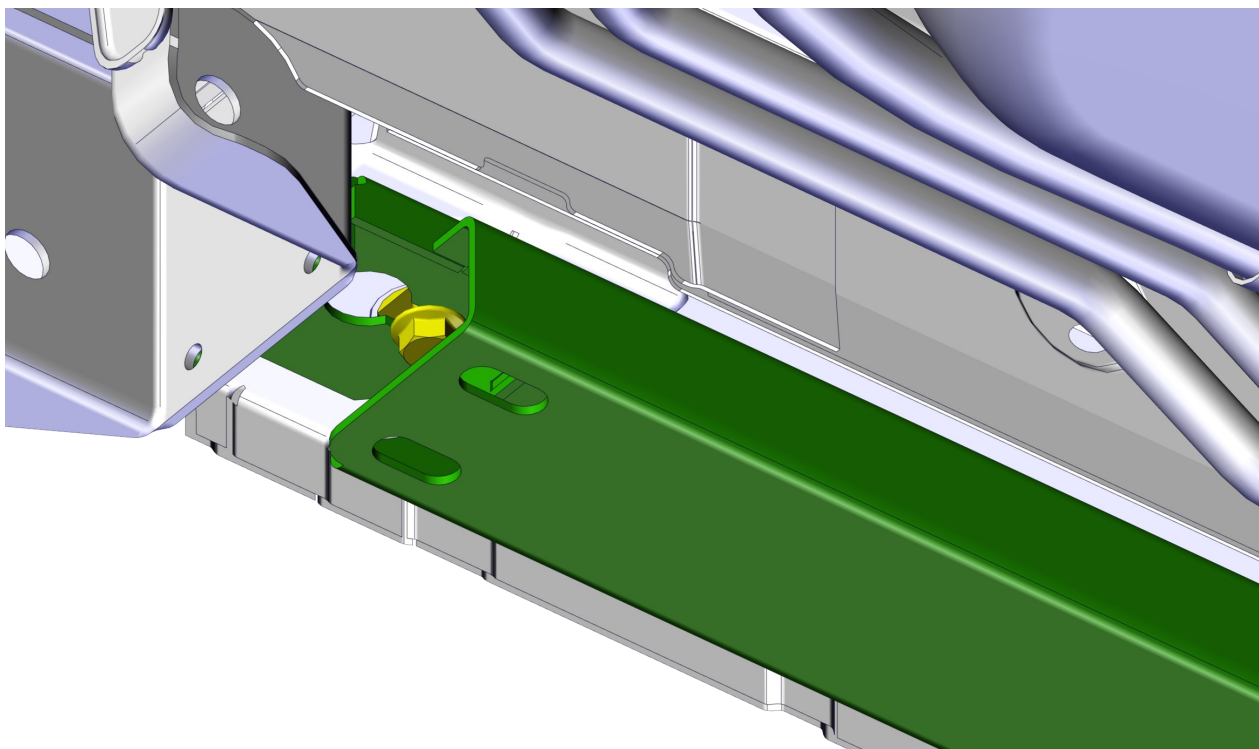


Check if the tube is aligned parallel to the side of the van.

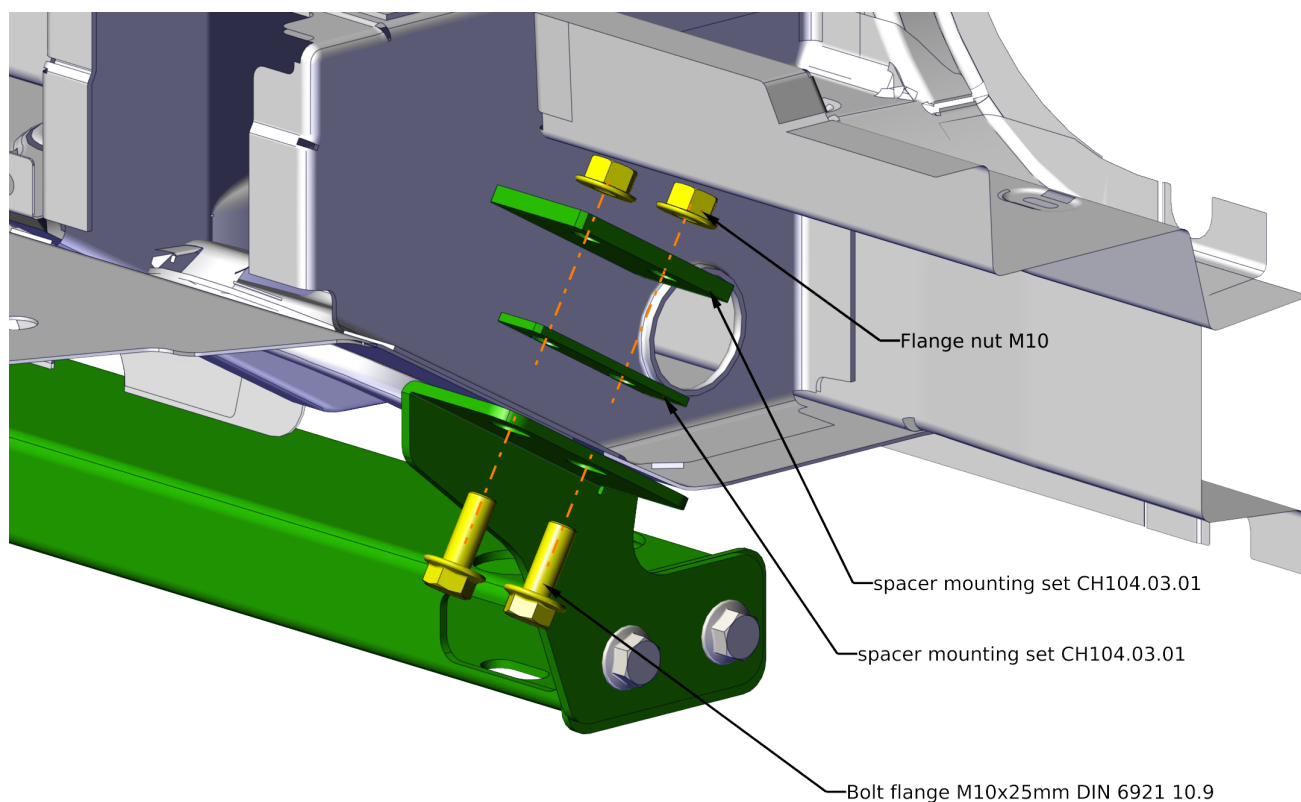
If so: tighten all bolts with the required torque (page 3). Re-check the alignment and adjust the position where needed until aligned perfectly.



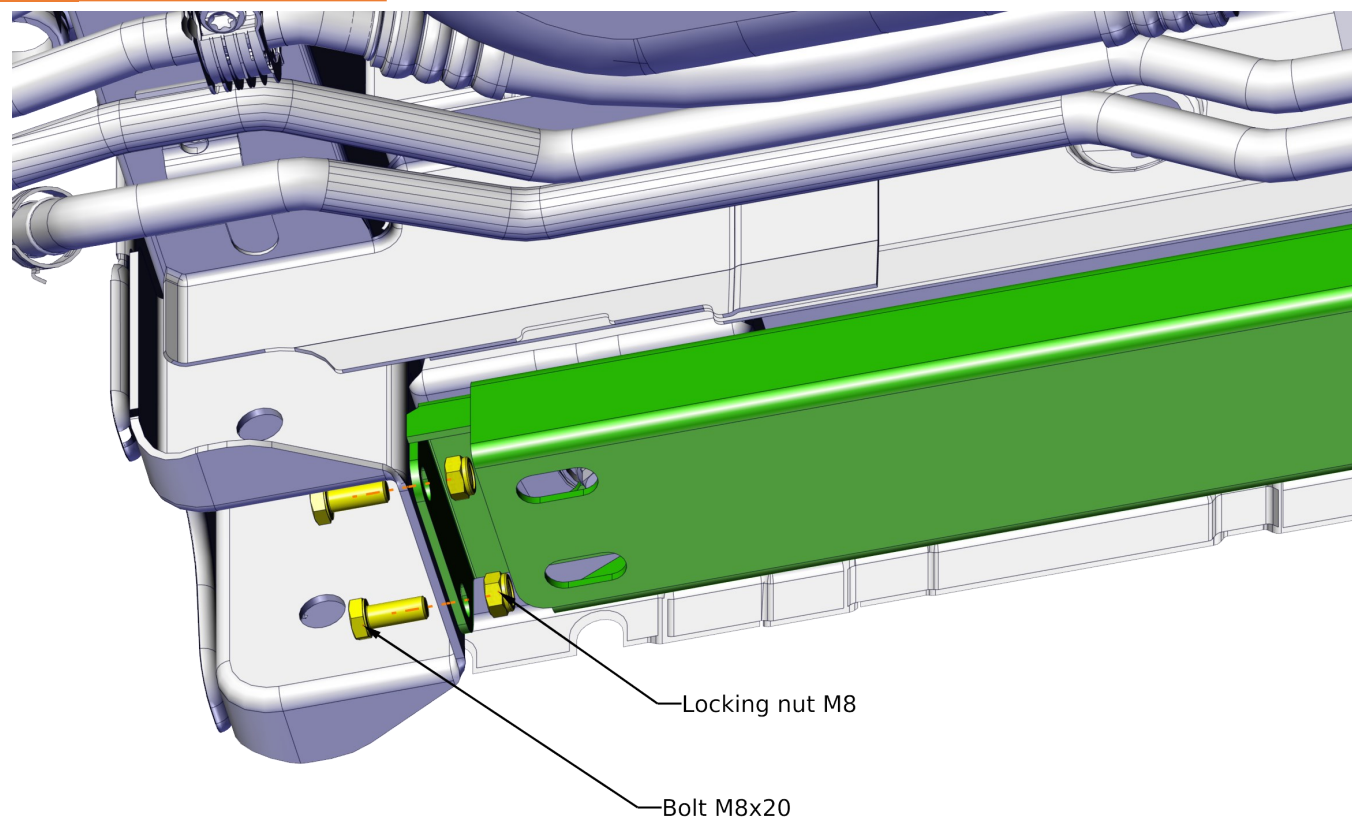
Slide the assembly over the bolt that is located in the chassis perforation.
Tighten this bolt but make sure you are still able to make small position adjustments.



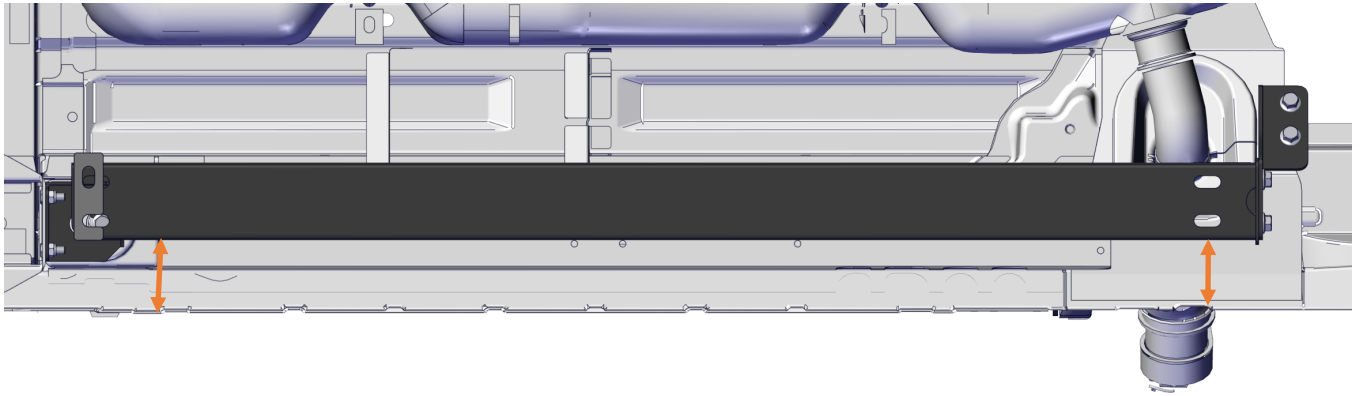
11 Left side vehicle



12 Left side vehicle



13 Left side vehicle



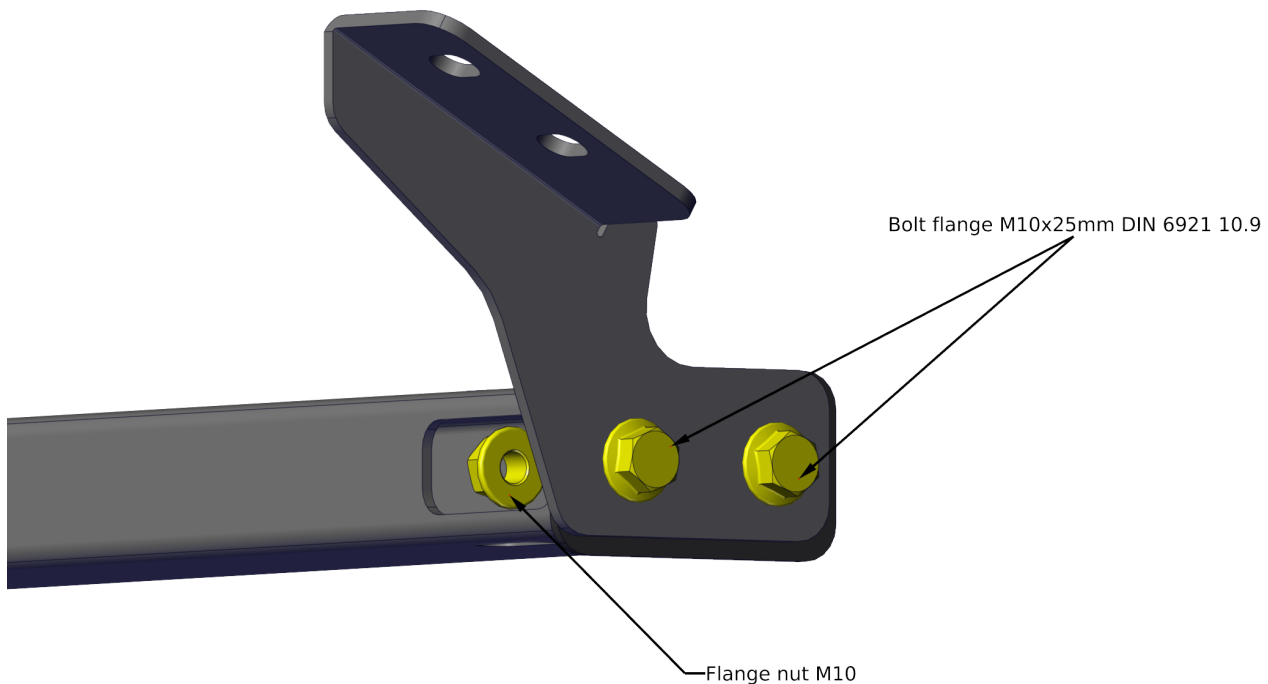
Check if the tube is aligned parallel to the side of the van.

Make sure the tube is aligned horizontally with the mounting tube on the other side.

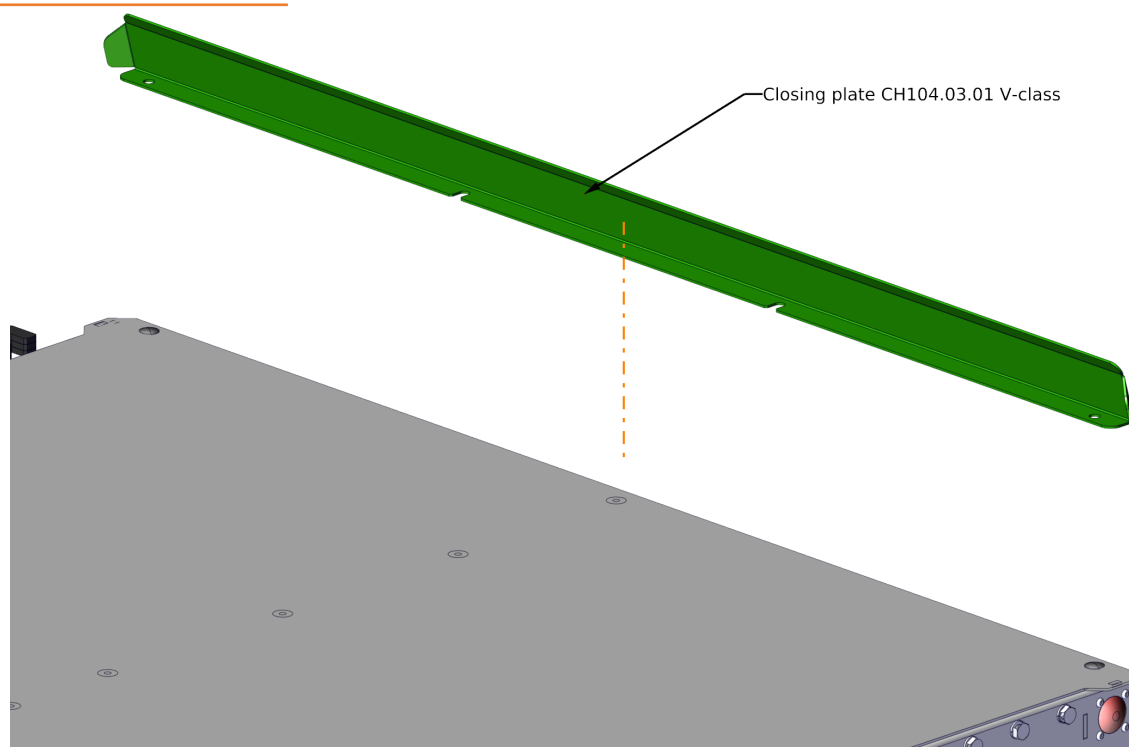
Check the clearance with the air-conditioning tubes to ensure they are not damaged during or after the installation.

If so: tighten all bolts with the required torque (page 3). Re-check the alignment and adjust the position where needed until aligned perfectly.

Small adjustments can be made by releasing the bolts at the endplate of the mounting tube and by altering the position of the fixation plate, see step 11.

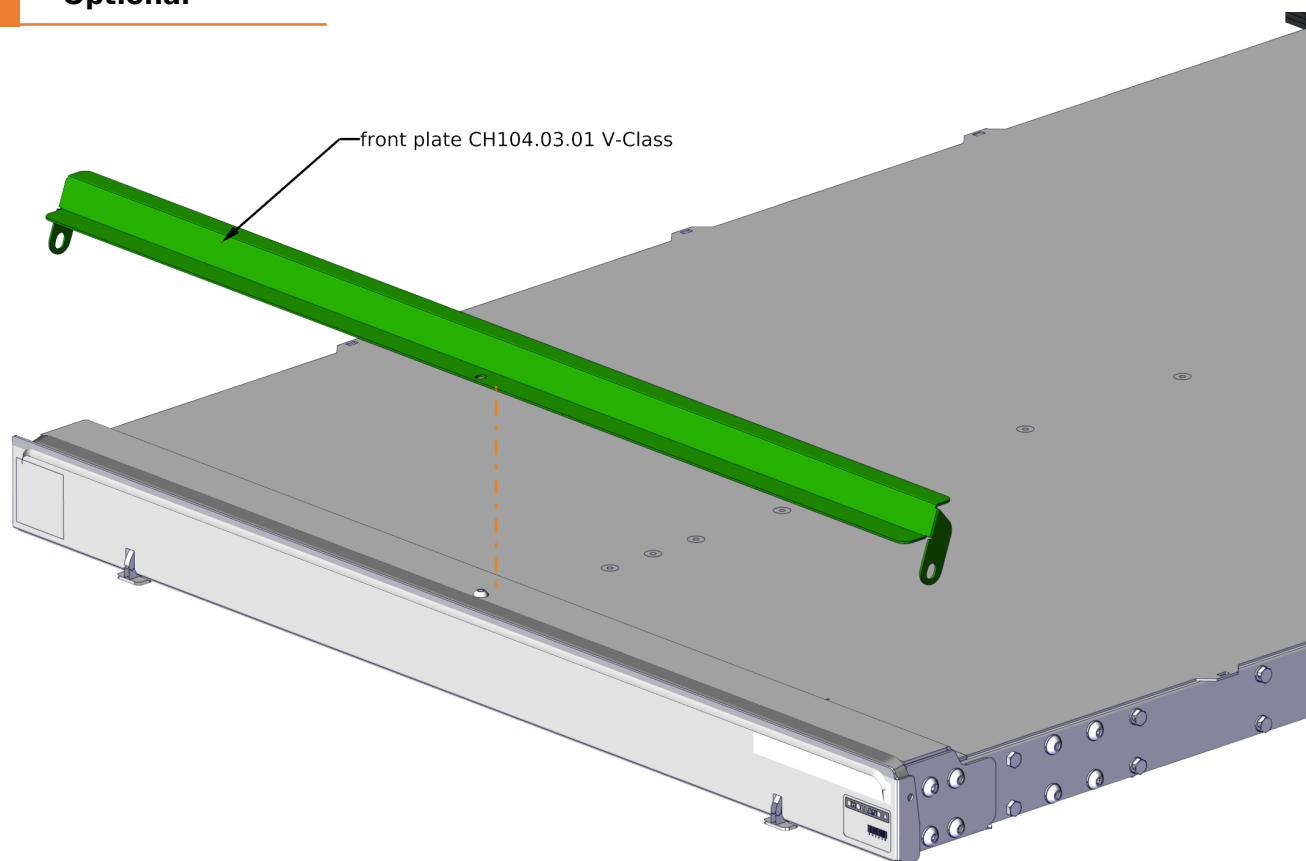


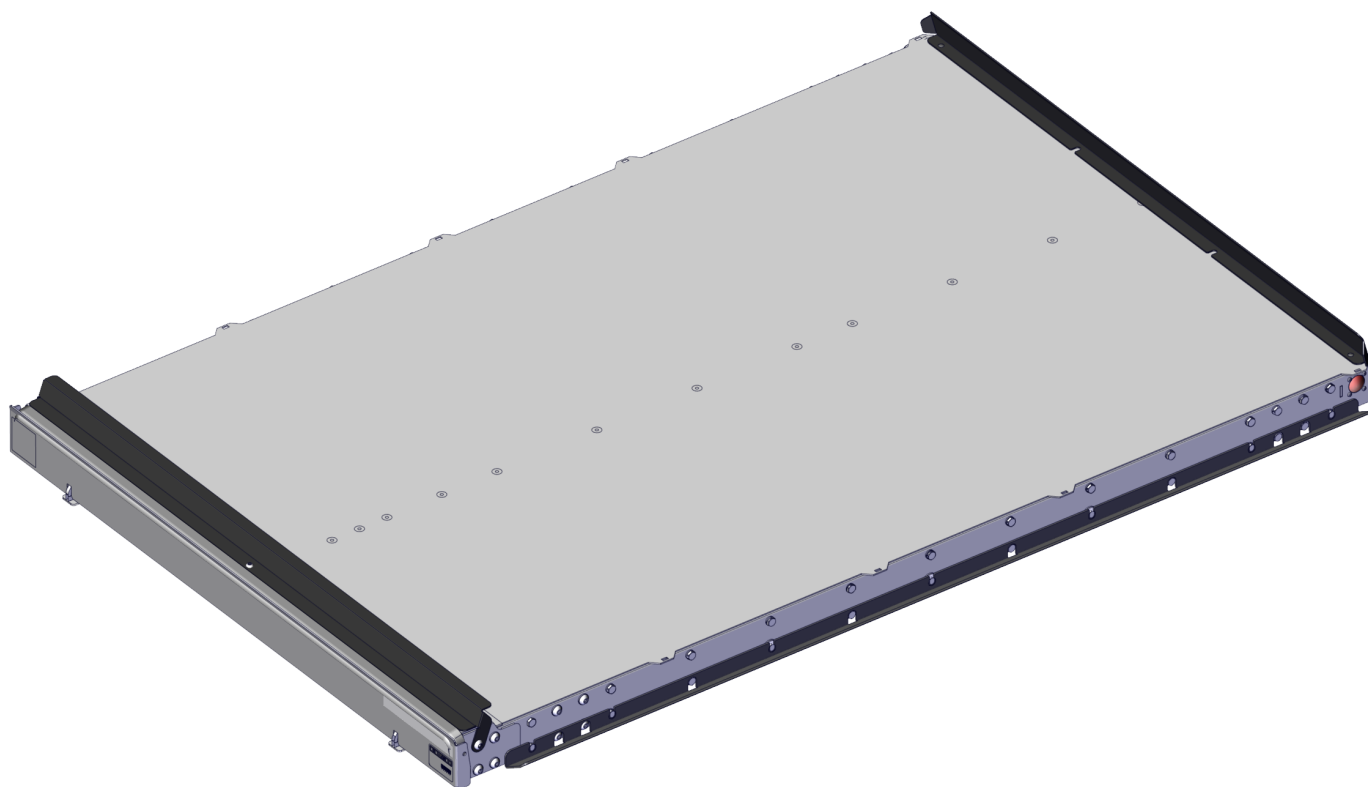
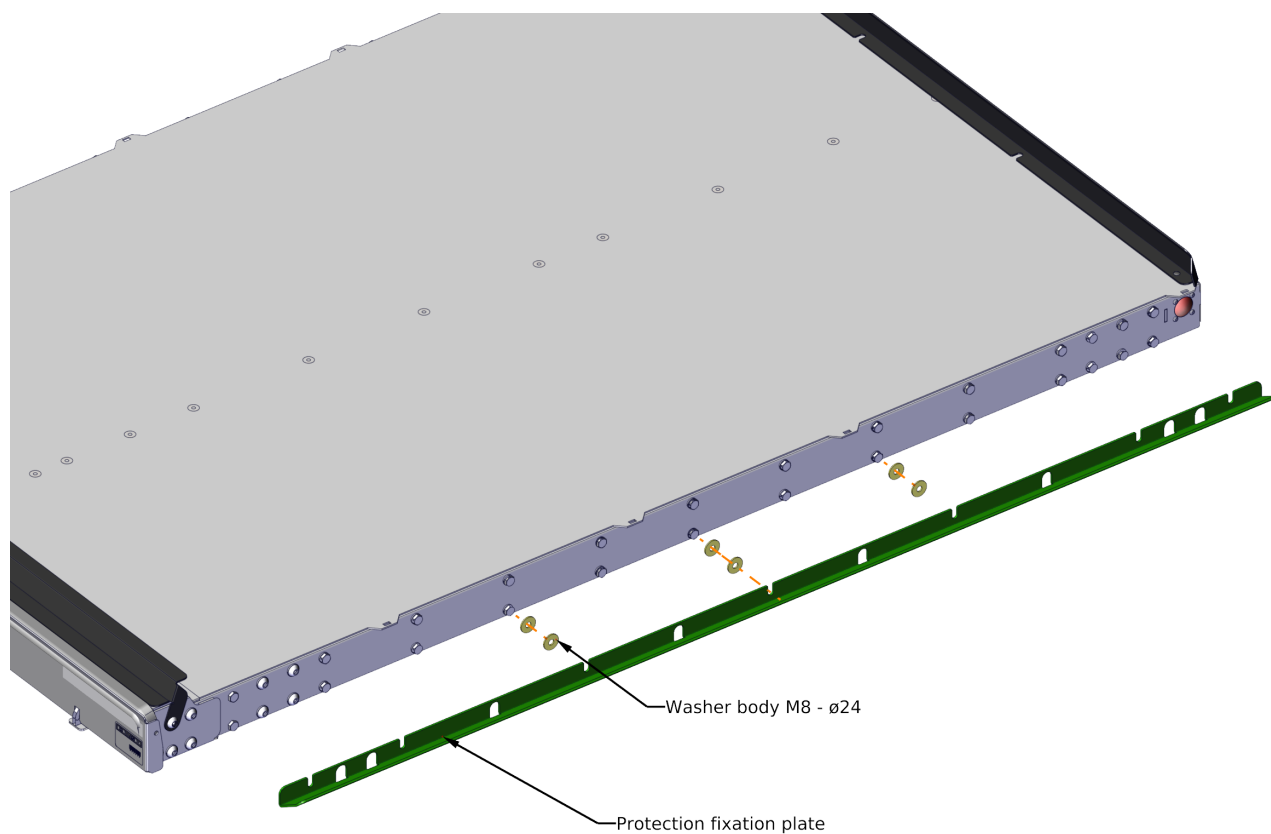
14 Optional

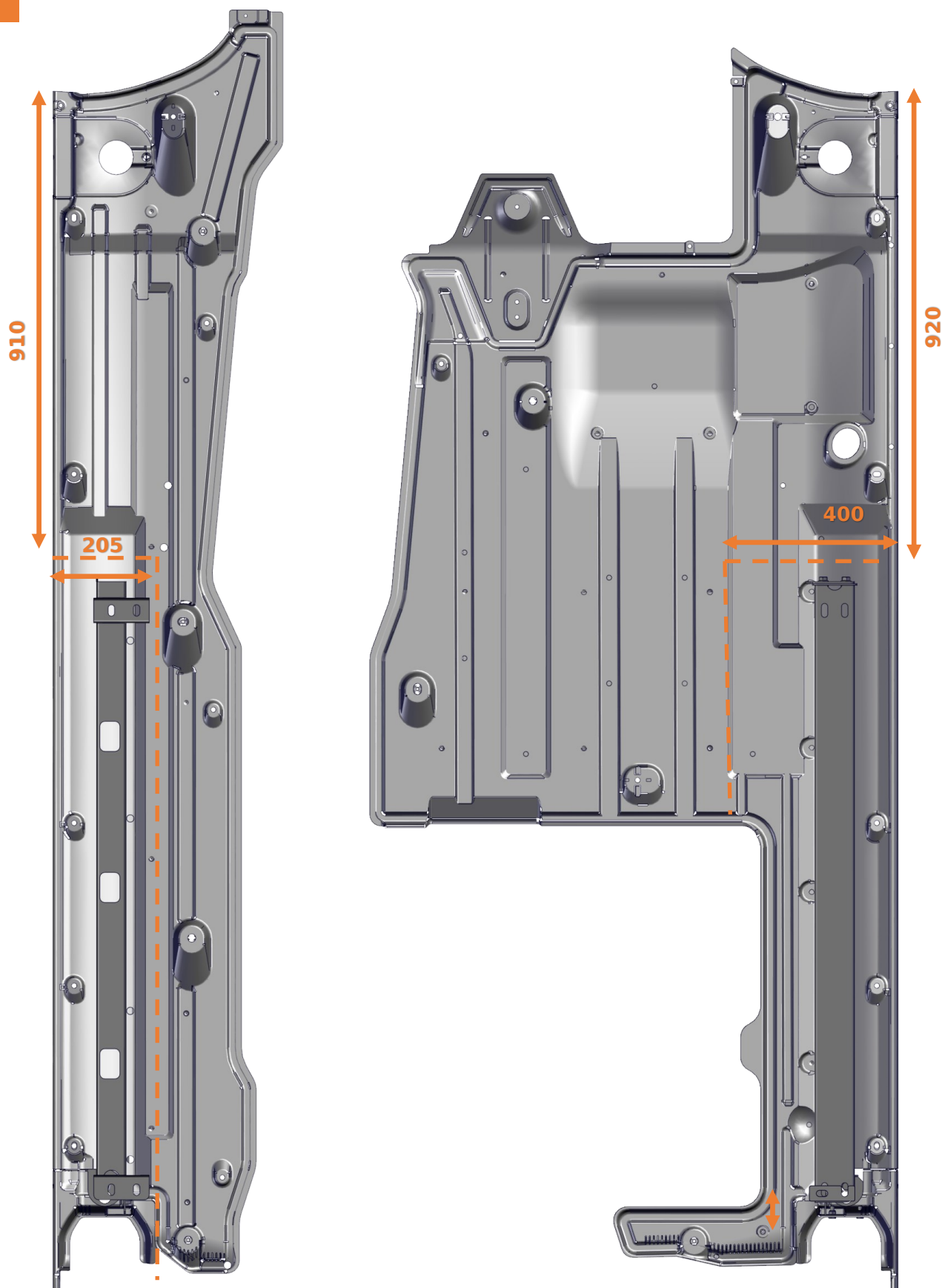


For steps 14-16, use the bolts that are already fixated on the cassette.

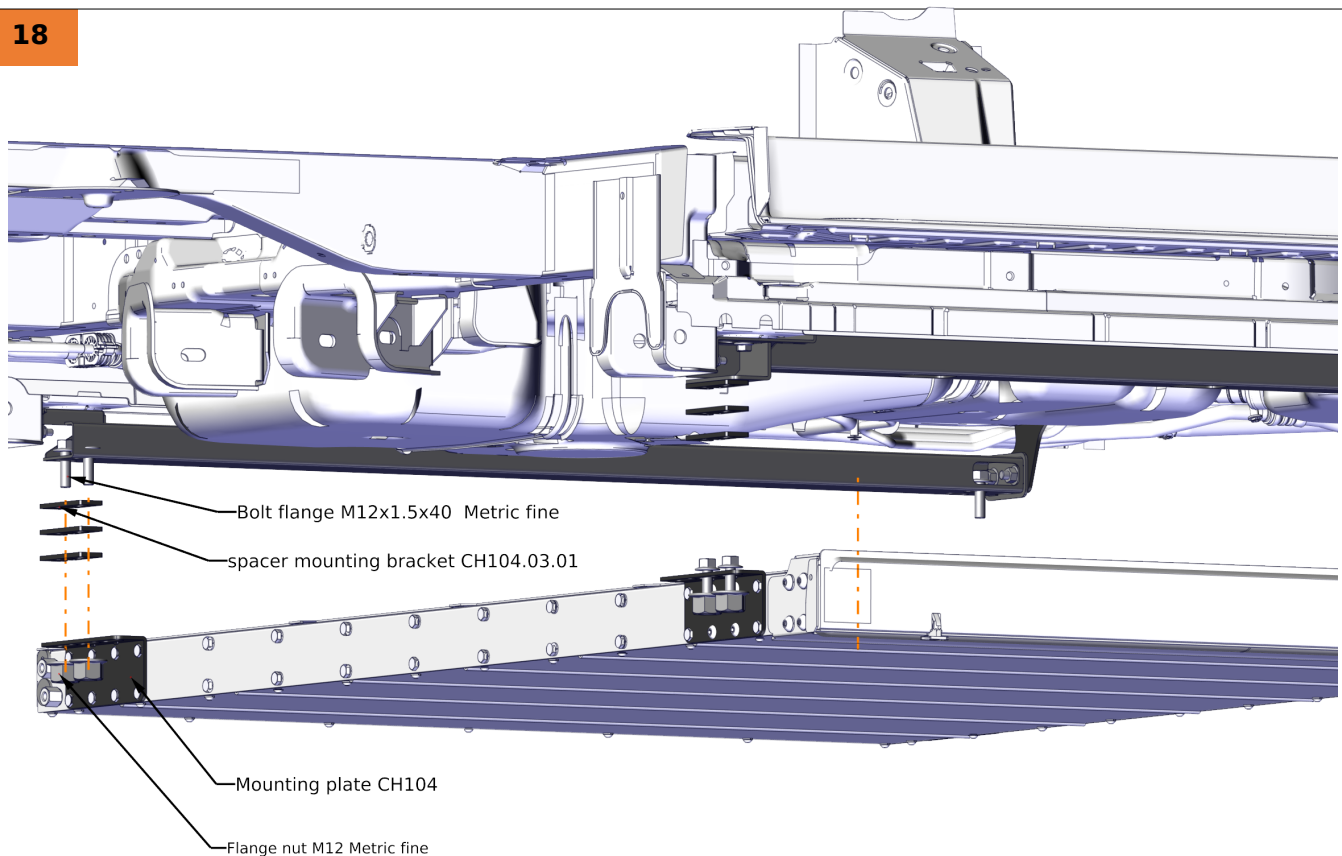
15 Optional





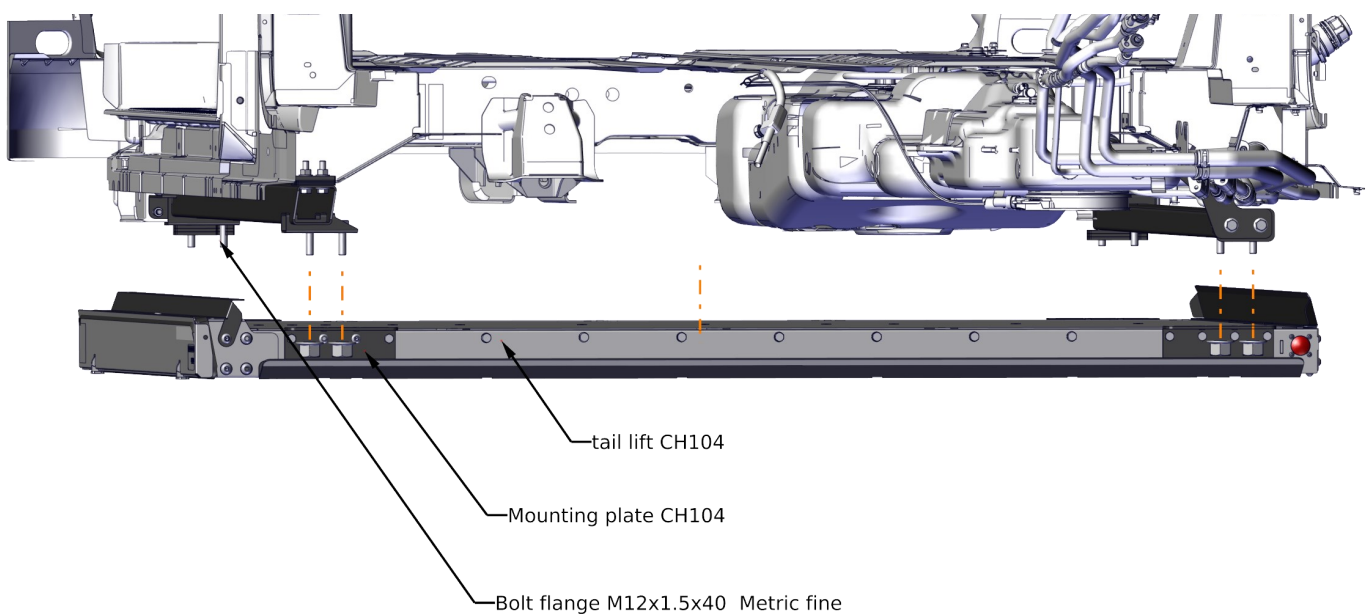


Cut the protection plates as shown on the picture above. Fixate these plates to the chassis by using the same fasteners that were originally there.



Place the lift underneath the vehicle by using a forklift or electrical transpallet.

At the rear side of the vehicle, 3 spacer plates should be added on both sides of the vehicle.



Tighten all bolts but make sure you are able to make small position adjustments.

Check the alignment of the wheelchair lift. The front of the lift should be parallel to the side of the vehicle.

Make sure the lift does not touch the fuel tank, use the provided spacers to adjust.

If this is the case, tighten all bolts with the required torque (page 3).