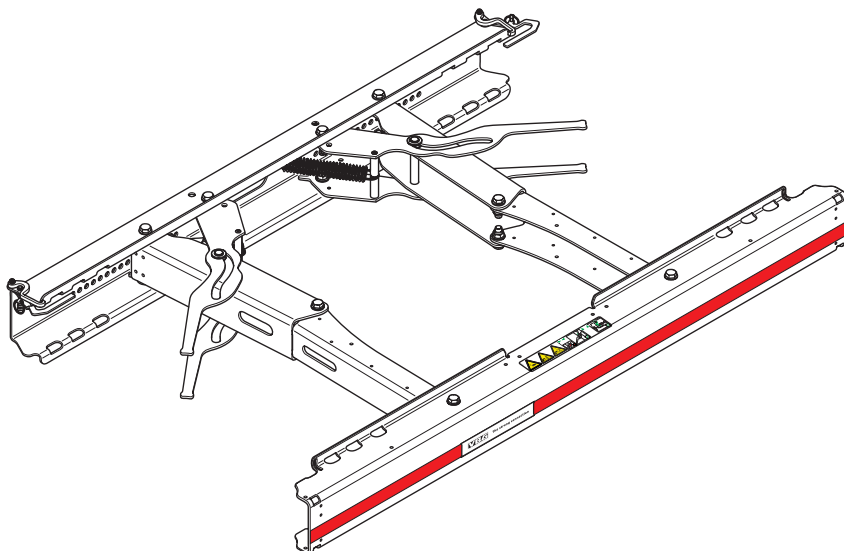


MOUNTING INSTRUCTION

2025-05-23 38-364200c



- DE Ausfahrbarer Unterfahrschutz
URSP 180-2
- DK Udskydelig bagkofanger
URSP 180-2
- EE Väljatõmmatav allasõidutõke
URSP 180-2
- FI Ulos vedettävä
alleajosuoja URSP 180-2
- FR Pare-chocs surbaissé extensible
URSP 180-2
- GB Sliding underrun protection
URSP 180-2

- LV Izvelkamā drošības konstrukcija
URSP 180-2
- NL Verstelbare onderrijbeveiliging
URSP 180-2
- NO Utskyvbar underkjøringsbeskyttelse
URSP 180-2
- PL Wysuwana listwa przeciwnajazdowa
URSP 180-2
- RU Выдвижная нижняя защита
URSP 180-2
- SE Utskjutbart underkörningsskydd
URSP 180-2



Montageanleitung
Monteringvejledning
Paigaldusjuhend
Asennusohje

Instructions de montage
Mounting instruction
Montāžas instrukcija
Montagehandleiding

Monteringsanvisning
Instrukcja montażowa
Указания по монтажу
Monteringsanvisning



Funktionskontrolle
Funktionskontrol
Talitluskontroll
Toiminnan tarkastus

Vérification des fonctions
Function check
Darbības pārbaude
Functiecontrole

Funksjonskontroll
Kontrola działania
Контроль функций
Funktionskontroll

DE Allgemeines

Voraussetzung für die Erteilung der Typzulassung des Fahrzeugs ist die Montage gemäß VBGs Anweisungen. *Identifizieren Sie vor der Montage alle Teile. Montage und Wartung müssen genau und fachmännisch durchgeführt werden. Befolgen Sie die Anweisungen.* Die Anweisungen und etwaigen Rahmen-verstärkungen des Fahrzeugherstellers müssen beachtet werden. Übergeben Sie alle Anweisungen und Anleitungen dem Kunden, damit dieser die Unterlagen für spätere Wartung und Pflege im Fahrzeug verwahren kann. Weitere Informationen finden Sie auf unserer Homepage: www.vbg.eu.

*Kategorie „G“ hat andere Montagepositionen als in Tabelle A angegeben. VBG GROUP TRUCK EQUIPMENT AB behält sich technische Änderungen vor.

DK Generelt

For at opnå typegodkendelse af køretøjet kræves det, at montering er sket i overensstemmelse med VBG's vejledninger. *Identificér alle dele før montering. Montering og service skal udføres på en omhyggelig og fagligt korrekt måde. Følg vejledningen.* Bemærk, at køretøjsproducentens vejledninger og eventuelle rammeforstærkninger skal følges. Giv kunden alle anvisninger og instruktioner, så de kan opbevares i bilen med henblik på fremtidig service og vedligeholdelse. Yderligere information findes på vores hjemmeside www.vbg.eu.

*Kategori "G" har andre monteringspositioner end dem, der er anført i tabel A.

VBG GROUP TRUCK EQUIPMENT AB forbeholder sig retten til konstruktionsændringer.

EE Üldist

Sõidukile tüübikinnituse saamiseks peab paigaldus toimuma vastavalt VBG juhiste. Määratlege kõik osad enne monteerimist. Paigaldus ja hooldus tuleb teostada hoolikalt ja professionaalselt. Järgige juhiseid. Pange tähele, et arvesse tuleb võtta ka sõiduki tootja juhiseid ja võimalikke ettekirjutusi raamitugevduste osas. Andke juhi käsiraamat kliendile kaasa sõidukis säilitamiseks, et see oleks käepärast hilisemate hoolduste korral. Täiendava teabe saamiseks külastage meie kodulehte www.vbg.eu.

* Kategoorias „G“ on teised monteerimisasendid kui tabelis A loetletud.

VBG GROUP TRUCK EQUIPMENT AB jätab endale õiguse konstruktioonimuudatusteks.

FI Yleistä

Ajoneuvon tyypifyväksyntä edellyttää, että asennus on suoritettu VBG:n antamien ohjeiden mukaisesti. *Tunnista kaikki osat ennen asennusta. Asennus ja huolto on suoritettava huolellisesti ja ammattimaisesti. Noudata ohjeita.* Huomaa, että ajoneuvonvalmistajan ohjeita ja mahdollisia rungonvahvistuksia on huomioitava. Luovuta kaikki ohjeet asiakkaalle ajoneuvossa säilytettäväksi tulevia huoltoja ja kunnossapittoa varten. Lisätietoja löytyy kotisivuiltamme www.vbg.eu.

*Kategoriassa "G" asennuspaikat ovat muut kuin taulukossa A.

VBG GROUP TRUCK EQUIPMENT AB pidättää oikeuden rakennemuutoksiin.

FR

Généralités

Afin d'obtenir un certificat de conformité pour le véhicule, le montage doit être effectué selon les instructions de VBG. *Identifier toutes les pièces avant le montage. Le montage et l'entretien doivent être effectués avec le plus grand soin et selon des méthodes de professionnels. Suivre les instructions.* Observer que les instructions du constructeur du véhicule et les éventuels renforts du cadre doivent impérativement être respectés. Elle doit être conservée dans le véhicule pour les entretiens et maintenances ultérieurs. Pour plus d'informations, consultez notre site Web www.vbg.eu.

*La catégorie « G » a des positions de montage autres que celles indiquées dans le tableau A.

VBG GROUP TRUCK EQUIPMENT AB se réserve le droit de modifier sans préavis la conception de ses produits.

GB

Description

To achieve vehicle type approval all mounting has to be done in accordance with VBG Instructions. *Identify all parts before use. Installation and maintenance should be carried out in the correct and approved way. Always follow the instructions.* The truck manufacturers body building instructions must be observed. All directives and instructions should be kept in the vehicle for future service and maintenance. For more information, go to our website: www.vbg.eu.

*Category "G" offers mounting positions other than those presented in Table A.

VBG GROUP TRUCK EQUIPMENT AB reserve the right to change design specifications without prior notice.

LV

Vispārīga informācija

Lai nodrošinātu atbilstību standarta prasībām, montāžu nepieciešams veikt atbilstoši VBG norādījumiem. *Pirms montāžas identificējiet visas detaļas. Montāža un serviss ir jāveic rūpīgi un profesionāli. Sekojiet norādījumiem.* Iegaumējiet, ka ir jārespektē transportlīdzekļa ražotāja norādījumi un iespējamie rāmja pastiprinājumi. Visus norādījumus un instrukcijas, kas būs nepieciešamas servisam un apkopei, nododiet klientam, lai tās tiktu uzglabātas transporta līdzeklī. Lai saņemtu vairāk informācijas, skatiet mūsu mājaslapu www.vbg.eu

* Kategorijai "G" ir montāžas pozīcijas, kas nav uzskaitītas A tabulā.

VBG GROUP TRUCK EQUIPMENT AB saglabā tiesības izdarīt izmaiņas izstrādājumu konstrukcijās.

NL

Algemeen

Om typegoedkeuring voor het voertuig te krijgen, moet de montage zijn uitgevoerd volgens de instructies van VBG. Voor de montage moet u alle onderdelen identificeren. Voer montage en service zorgvuldig en deskundig uit. Volg de instructies. Let op dat rekening moet worden gehouden met de aanwijzingen van de voertuigfabrikant en eventuele frameverstevingen. Laat de klant alle aanwijzingen en instructies in het voertuig bewaren, zodat deze voor toekomstige service en onderhoud beschikbaar zijn. Ga voor meer informatie naar onze website www.vbg.eu.

*Categorie "G" heeft andere montageposities dan die vermeld staan in tabel A.

VBG GROUP TRUCK EQUIPMENT AB behoudt zich het recht voor op constructiewijzigingen.

NO Generelt

For å opprettholde typegodkjenningen kreves at monteringen utføres ifølge VBG's anvisninger. *Identifiser alle deler før montering. Montering og service skal utføres nøyaktig og fagmessig. Følg anvisningene.* Noter at det må tas hensyn til bil-frabrikantens anvisninger og eventuelle rammeforsterkninger. Overlever alle anvisninger og instruksjoner til kunden for oppbevaring i kjøretøyet for fremtidig service og vedlikehold. Gå til hjemmesiden vår, www.vbg.eu, for mer informasjon.

*Kategori «G» har andre monteringsposisjoner enn angitt i tabell A.

VBG GROUP TRUCK EQUIPMENT AB forbeholder seg retten til konstruksjonsendringer.

PL Informacje ogólne

W celu uzyskania certyfikatu homologacyjnego dla pojazdu wymagane jest, aby montaż został przeprowadzony zgodnie z instrukcją VBG. *Zapoznaj się z poszczególnymi częściami przed przystąpieniem do montażu. Czynności montażowe i serwisowe należy wykonywać dokładnie i fachowo. Stosuj się do instrukcji.* Zauważ, że konieczne jest stosowanie się do instrukcji producenta pojazdu oraz uwzględnienie ewentualnych wzmocnień ramy. Wszystkie wskazówki i instrukcje należy przekazać klientowi w celu przechowywania ich w pojeździe do wykorzystania przy okazji przyszłych czynności serwisowych i konserwacyjnych. Dodatkowe informacje znajdują się na naszych stronach internetowych www.vbg.eu. „Kategoria G” posiada inne pozycje montażowe niż te podane w tabeli A.

VBG GROUP TRUCK EQUIPMENT AB zastrzega sobie prawo wprowadzania zmian produktów bez uprzedzenia.

RU Общая информация

Для получения типового подтверждения для транспортного средства, необходим монтаж устройства в соответствии с указаниями VBG. Перед монтажом проверьте наличие всех деталей. Монтаж и обслуживание должны осуществляться тщательно и профессионально. Следуйте указаниям. Помните, что необходимо принимать во внимание указания изготовителя транспортного средства и возможные усиления рамы конструкции. Передайте клиенту все указания и инструкции для хранения их в машине для обслуживания и сервисных работ в будущем. Для получения дополнительной информации, посетите наш веб-сайт www.vbg.eu.

*Категория «G» имеет другие позиции для монтажа, нежели указанные в таблице A.

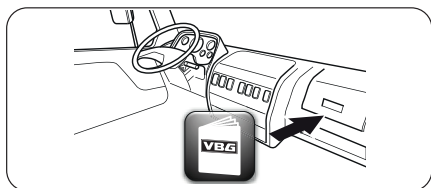
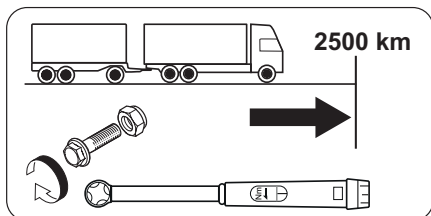
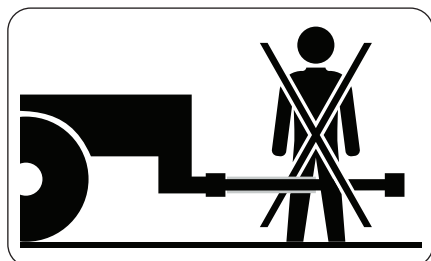
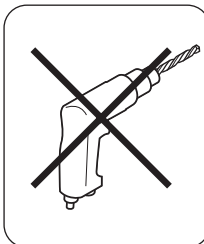
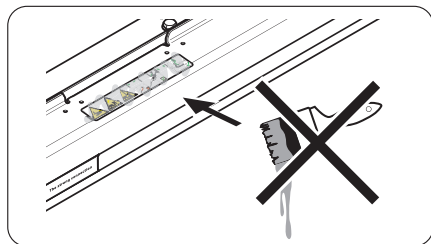
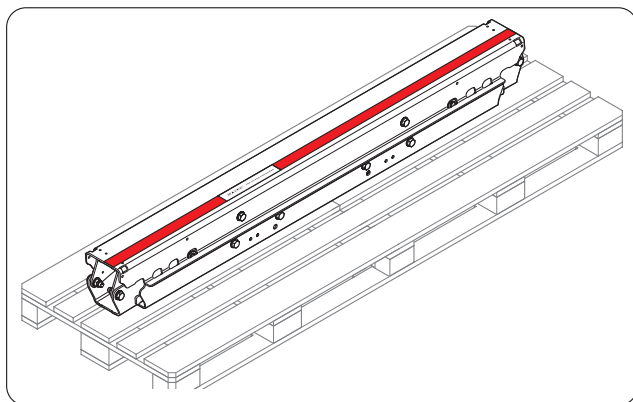
Компания VBG GROUP TRUCK EQUIPMENT AB сохраняет за собой право на изменения в конструкции.

SE Allmänt

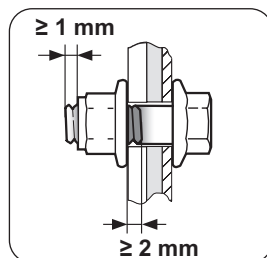
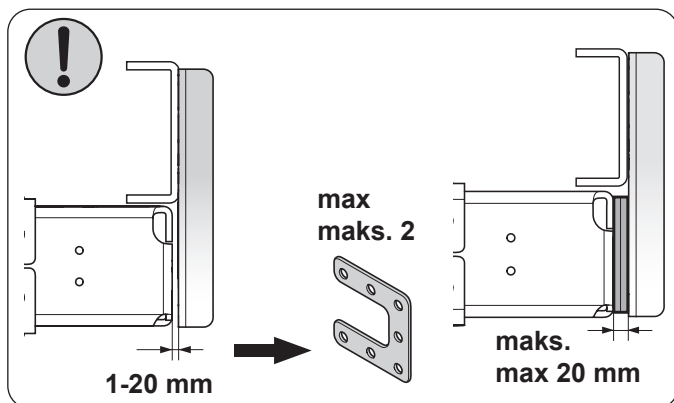
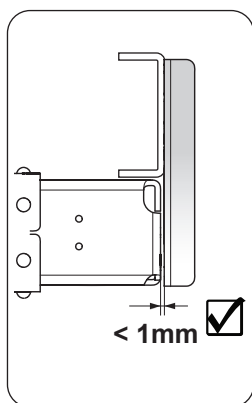
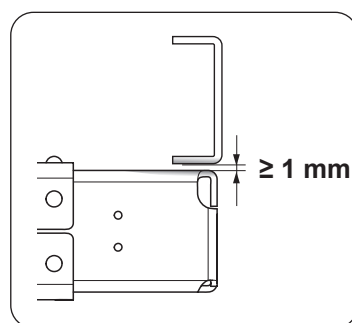
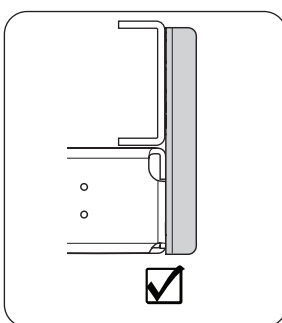
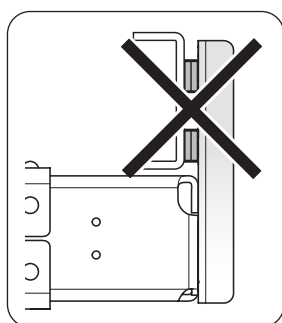
För att erhålla typgodkännande av fordonet krävs att montering skett enligt VBG:s anvisningar. *Identifera alla delar före montering. Montering och service skall utföras noggrant och fackmannamässigt. Följ anvisningarna.* Notera att fordonstillverkarens anvisningar och eventuella ramförstärkningar måste beaktas. Lämna alla anvisningar och instruktioner till kunden att förvaras i fordonet för framtida service och underhåll. För mer information, gå in på vår hemsida www.vbg.eu.

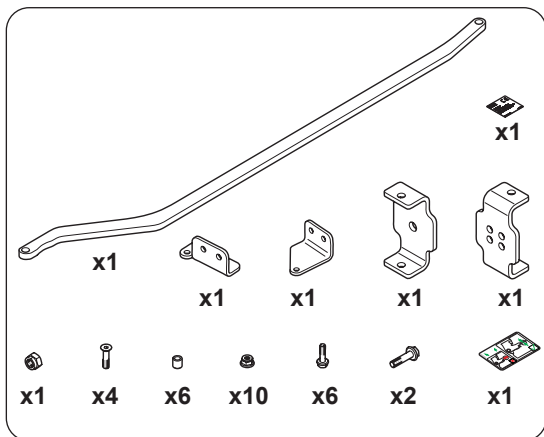
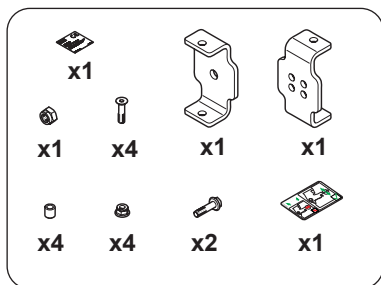
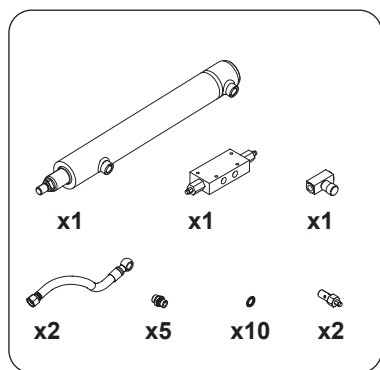
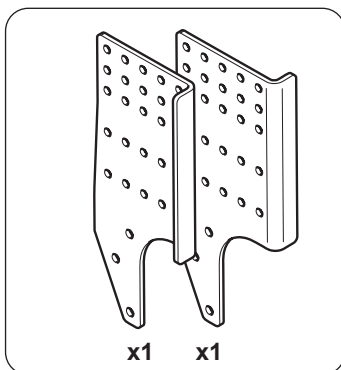
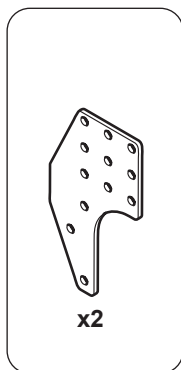
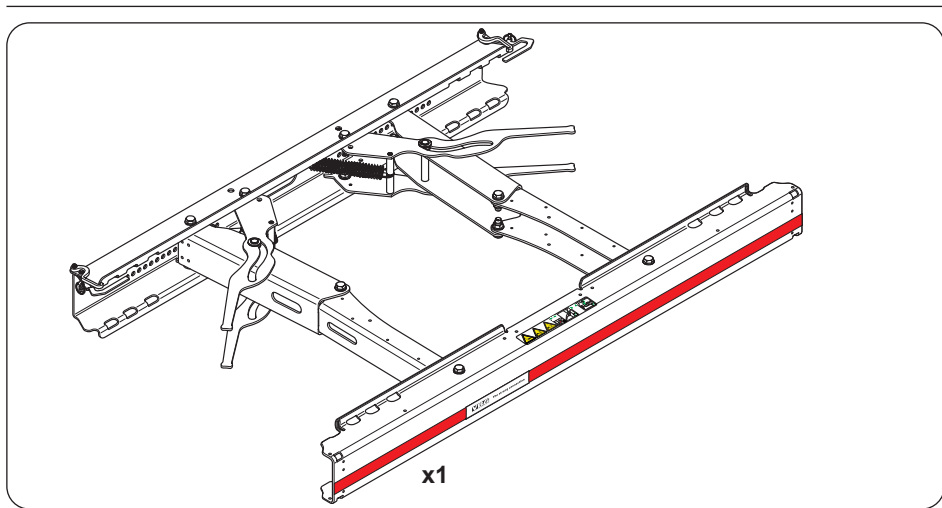
*Kategori "G" har andra monteringspositioner än angivna i tabell A.

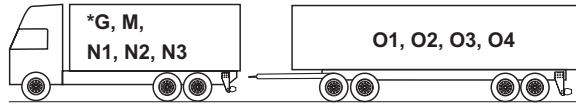
VBG GROUP TRUCK EQUIPMENT AB förbehåller sig rätten till konstruktionsförändringar.



	RD	GN
DE	Röt	Grün
DK	Rød	Grøn
EE	Punane	Roheline
FI	Punainen	Vihreä
FR	Rouge	Vert
GB	Red	Green
LV	Sarkans	Zaļš
NL	Rood	Groen
NO	Rød	Grønn
PL	Czerwony	Zielony
RU	Красный	Зеленый
SE	Röd	Grön

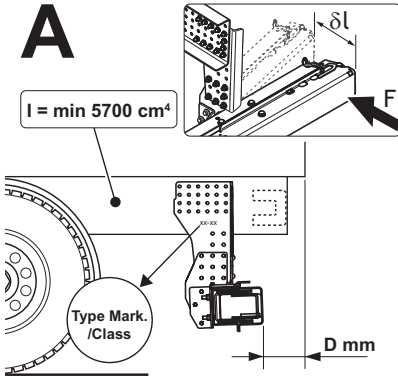






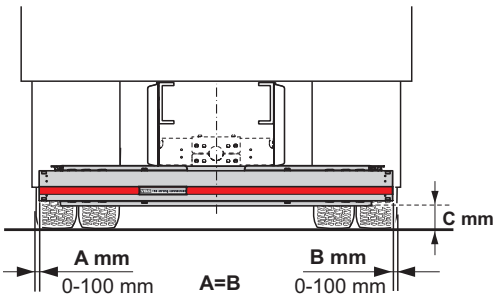
A

$I = \min 5700 \text{ cm}^4$

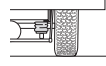
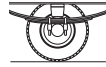


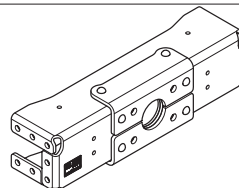
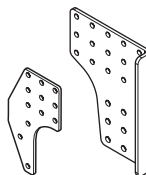
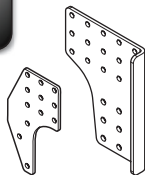
D = Max

Class A	Class B	Class C	
300	275	249	 *G, N2 (>8T), N3 O3, O4
200	175	149	O3, O4
300	275	249	M, N1, N2 (<8T) O1, O2



C mm

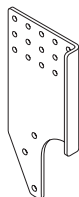
376	 *G, N2 (>8T), N3 O3, O4
426	 *G, N2 (>8T), N3 O3, O4
476	M, N1, N2 (<8T) O1, O2



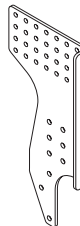
EDxx+EUP-URSP 180-2/EDxx+EUP-URSP 180-2+DB75V-2/EDxx+EUP-URSP 180-2+DB75V-3.....10



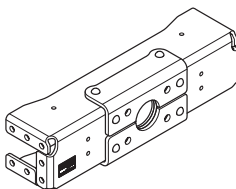
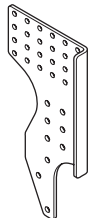
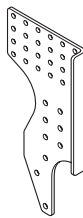
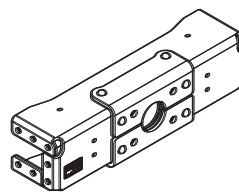
**EUH-URSP 180-2
.....20**



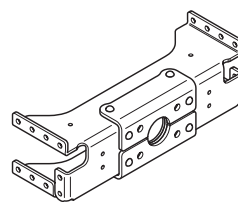
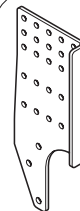
**EUM-URSP 180-2
.....21**



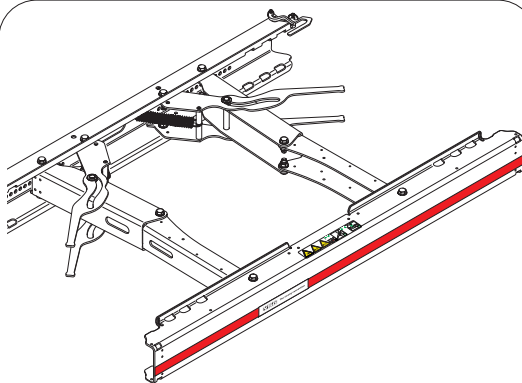
**EDMU-URSP 180-2
.....22**



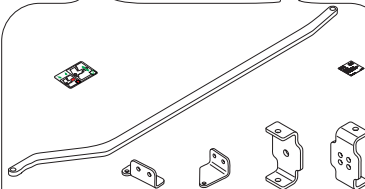
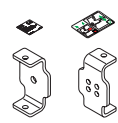
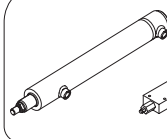
EDHU-URSP 180-2/EDHU-URSP 180-2+DB 75V-2.....24



**EDUS-URSP 180-2+DB C7
.....25**



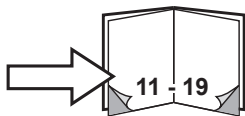
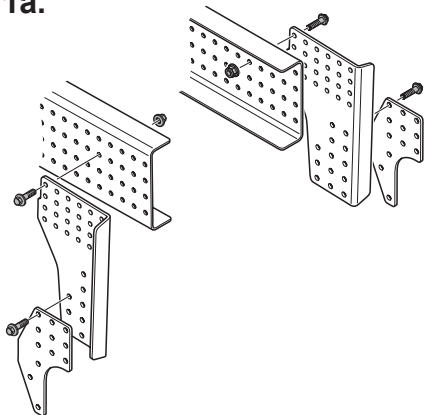
URSP-180-2.....26



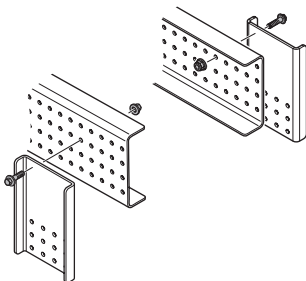
**URSP-180-2/Hydraulic
.....34**



1a.



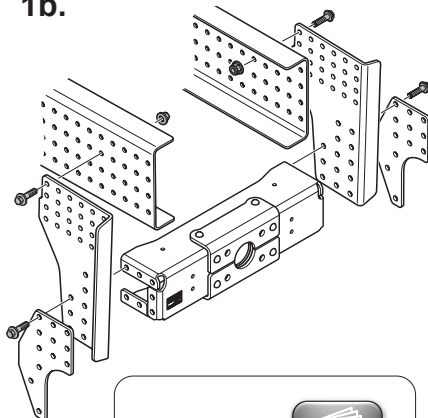
EDH-2	11
EDH-2V	11
EDH-3	12
EDH-4	16



EDF 150

38-304600

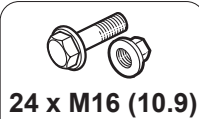
1b.



EDC-1	38-162000
EDF 150	38-304600
EDF 250 180	38-345400
EDF 300 180	38-355800
EDH-2	38-234200
EDH-2V	38-234200
EDH-3	38-234200
EDH-4	38-316000
EDL-3	38-234200
EDM-3 180	38-234200
EDMS-2	38-234200



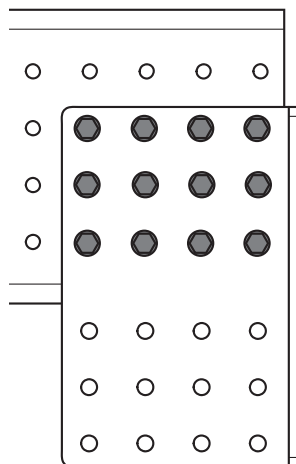
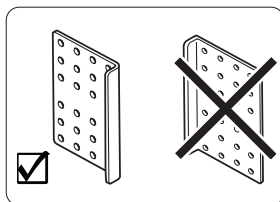
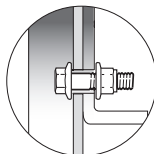
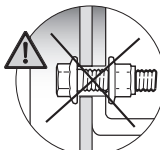
EDH-2



24 x M16 (10.9)



163 Nm



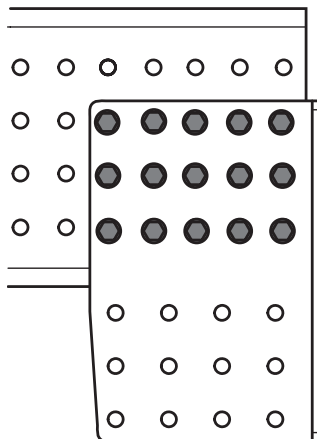
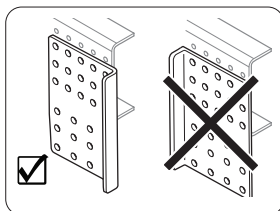
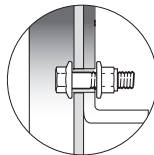
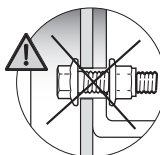
EDH-2V



30 x M14 (10.9)

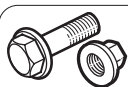
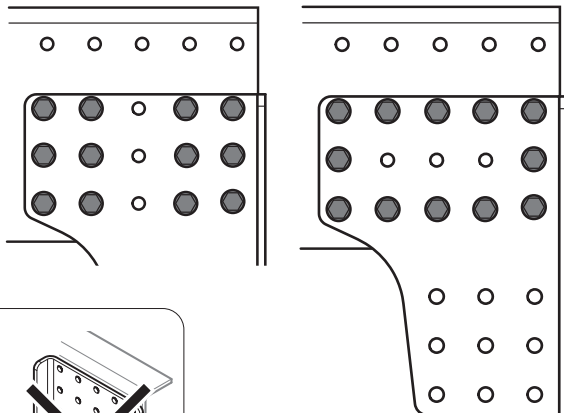


163 Nm





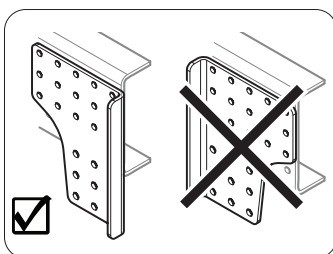
EDH-3 DAF



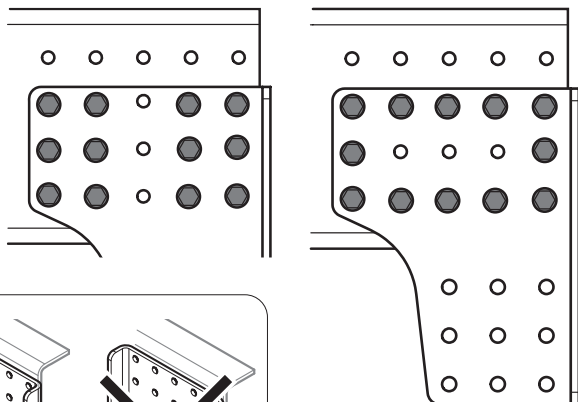
**24 x M16
(10.9)**



250 Nm



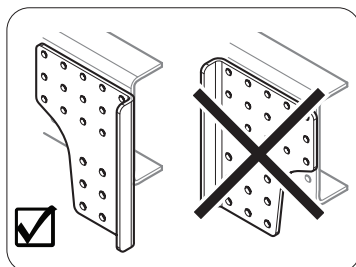
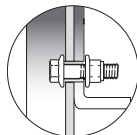
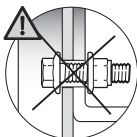
EDH-3 SCANIA



24xM14 (10.9)

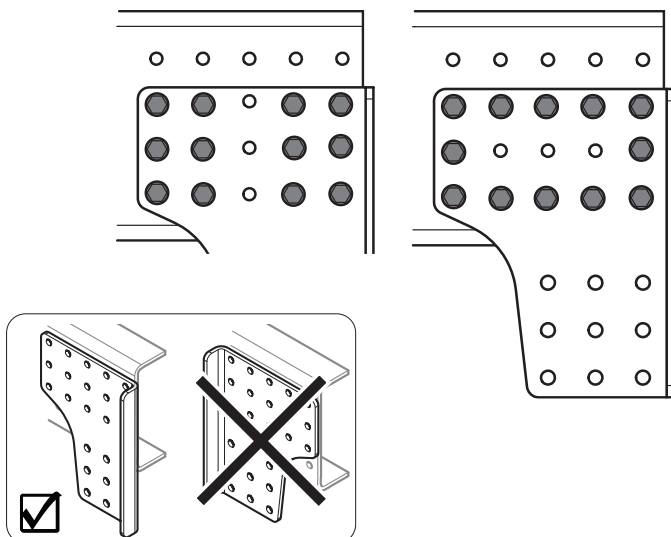
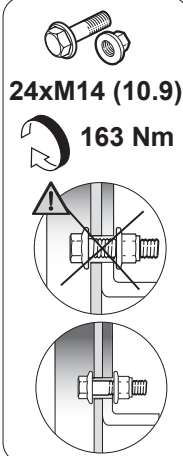


163 Nm

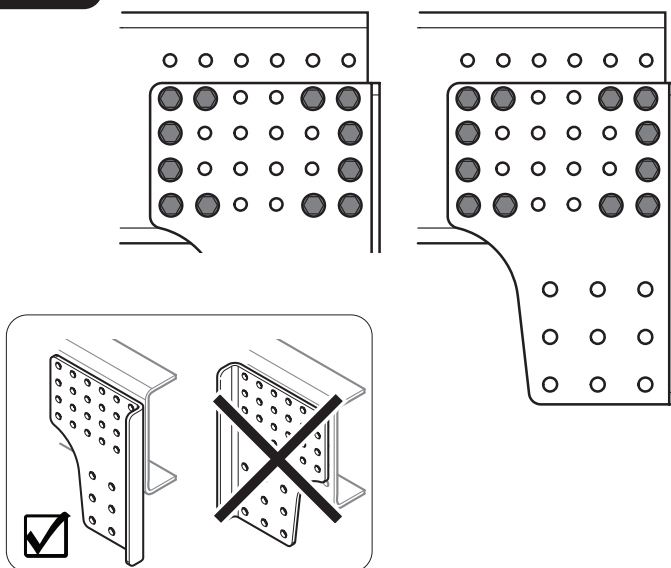
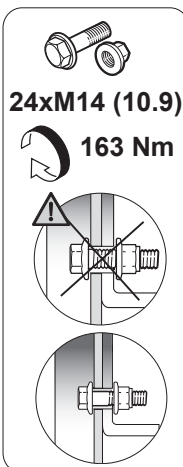




EDH-3 VOLVO/RVI



EDH-3 IVECO





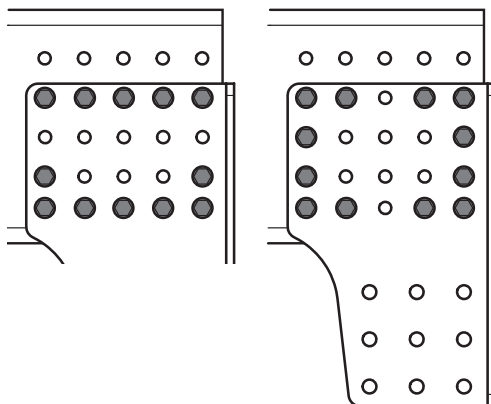
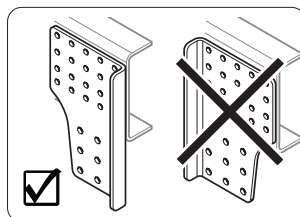
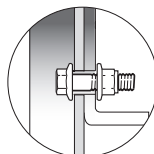
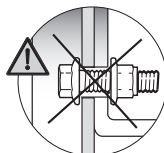
EDH-3 MB 50x45



24 x M14 (10.9)



163 Nm



EDH-3 MB 50x50



MBN 10105

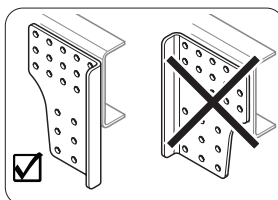
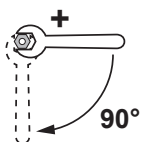


MBN 13023

20 x M16 (10.9)



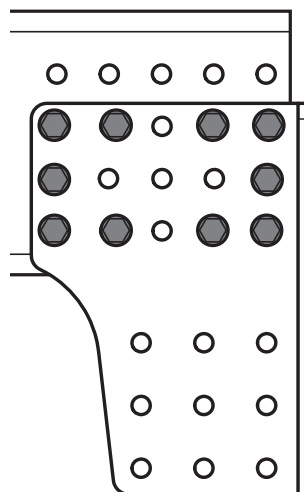
225 Nm



20 x M16
(10.9)



250 Nm



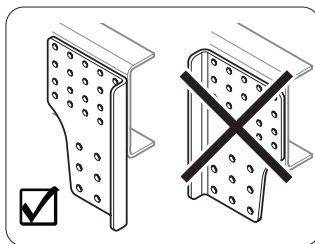
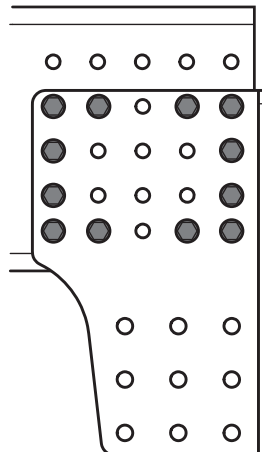
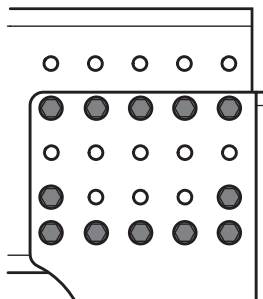
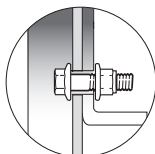
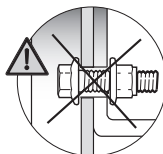


EDH-3 MAN



24 x M14 (10.9)

163 Nm

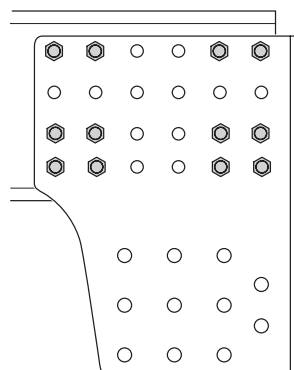
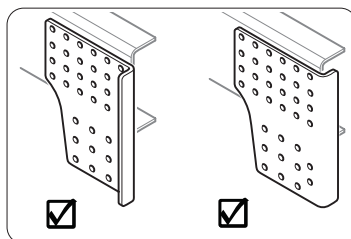
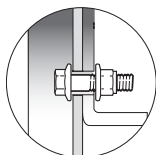
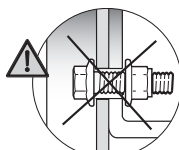




EDH-4 MAN


24 x M14 (10.9)

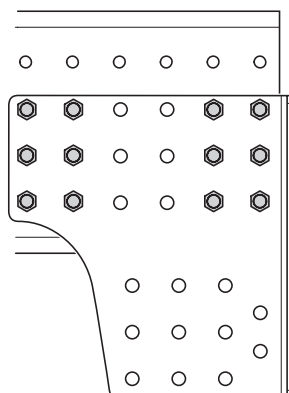
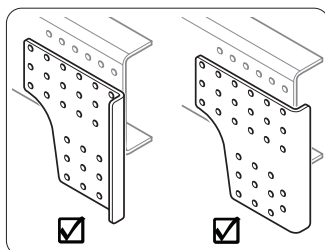
 **163 Nm**



EDH-4 DAF


24 x M16 (10.9)

 **250 Nm**

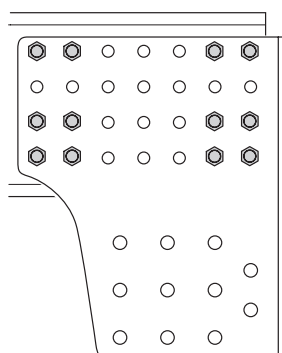
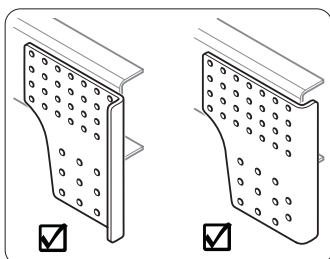
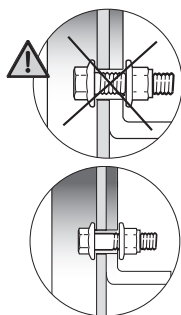




EDH-4 IVECO


24 x M14 (10.9)

 **163 Nm**



EDH-4 MB

 **MBN 10105**

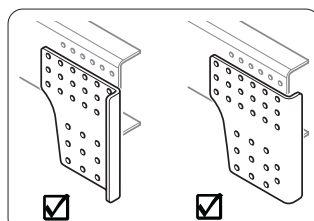
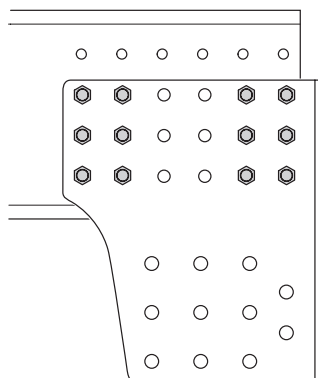
 **MBN 13023**

24 x M16 (10.9)




24 x M16 (10.9)

 **250 Nm**

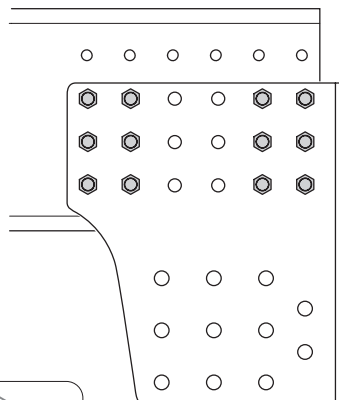
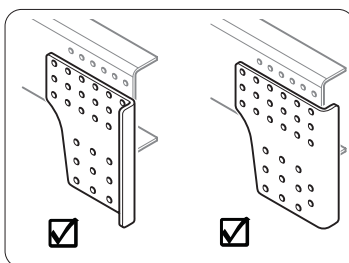
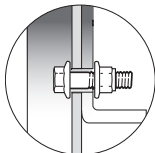
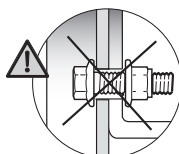




EDH-4 SCANIA


24 x M14 (10.9)

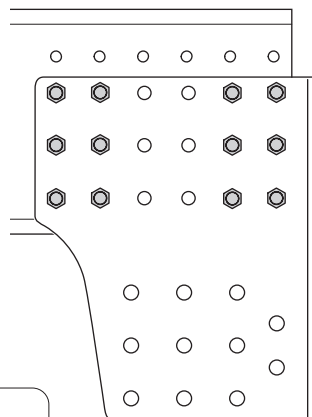
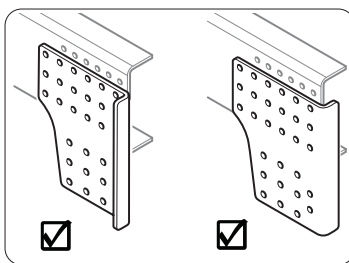
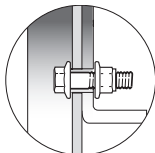
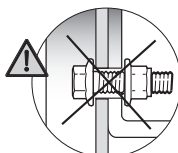
 **163 Nm**



EDH-4 VOLVO/RVI


24 x M14 (10.9)

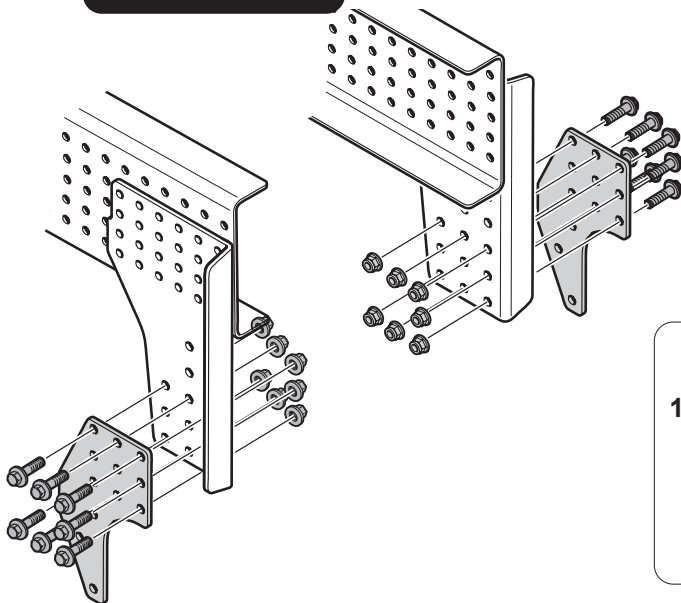
 **163 Nm**





2a.

EUP-URSP 180-2

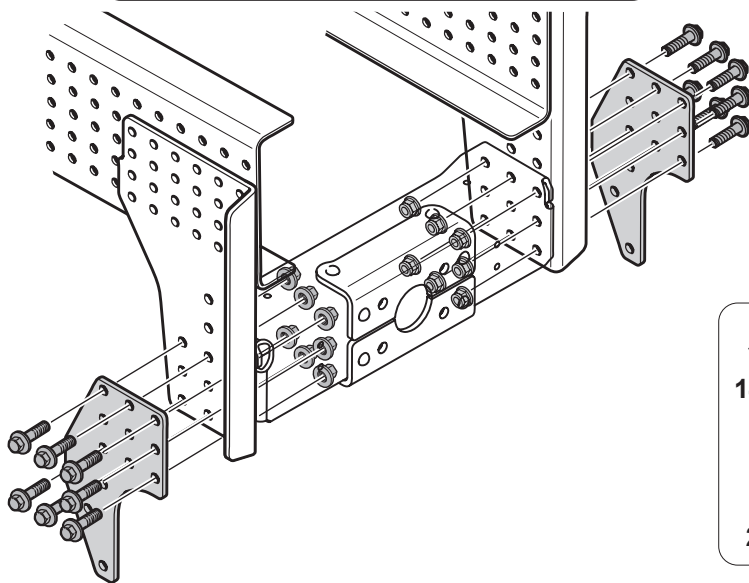



14 x M16
(10.9)


250 Nm

2b.

EUP-URSP 180-2+DB 75V-2/DB 75V-3




14 x M16
(10.9)


250 Nm

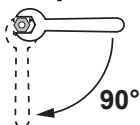
EUH-URSP 180-2 MB

 MBN 10105

 MBN 13023

24 x M16 (10.9)

 225 Nm
+



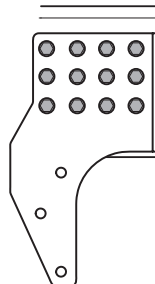
EUH-URSP 180-2 DAF, MB



24 x M16,
(10.9)



250 Nm

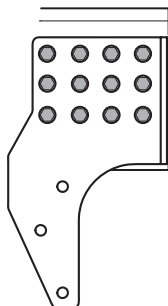
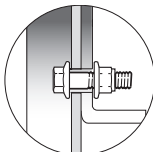
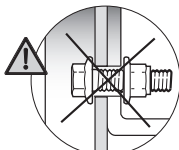


EUH-URSP 180-2 SCANIA, MAN, VOLVO/RVI



24 x M14 (10.9)

 163 Nm

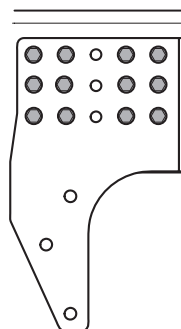
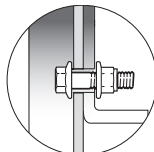
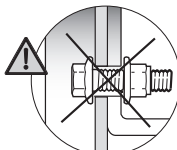


EUH-URSP 180-2 IVECO



24 x M14 (10.9)

 163 Nm



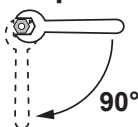
EUM-URSP 180-2 MB

 MBN 10105

 MBN 13023

30 x M16 (10.9)

 225 Nm
+



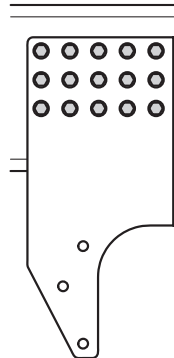
EUM-URSP 180-2 DAF, MB



24 x M16,
(10.9)



250 Nm

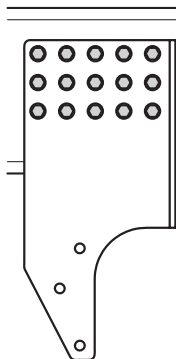
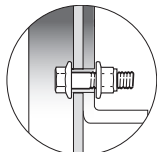
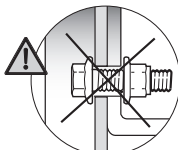


EUM-URSP 180-2 SCANIA, MAN, VOLVO/RVI



30 x M14 (10.9)

 163 Nm

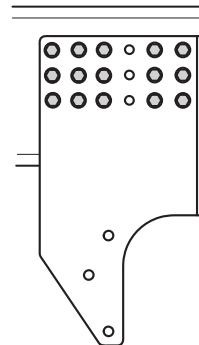
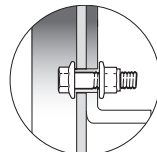
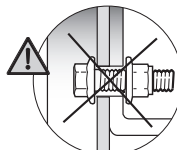


EUM-URSP 180-2 IVECO



30 x M14 (10.9)

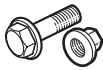
 163 Nm





EDMU-URSP 180-2+DB 75V-2

EDMU-URSP 180-2 DAF, MB



24 x M16,
(10.9)



250 Nm

EDMU-URSP 180-2 MB

 MBN 10105

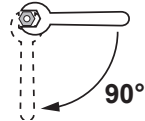
 MBN 13023

24 x M16 (10.9)



225 Nm

+



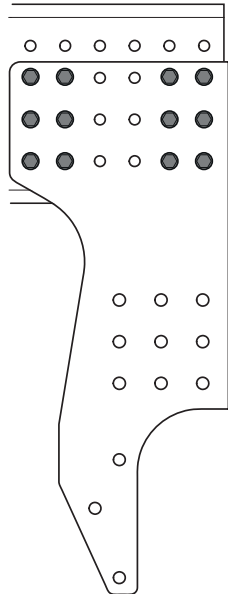
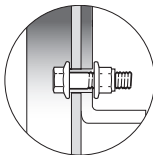
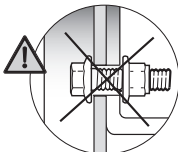
EDMU-URSP 180-2 SCANIA, VOLVO/RVI



24 x M14 (10.9)



163 Nm



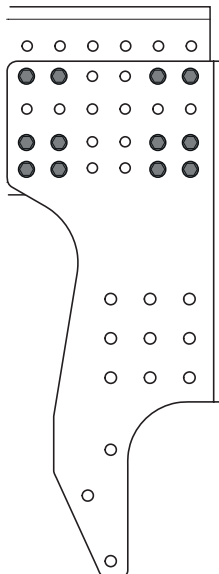
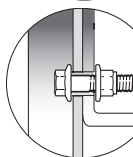
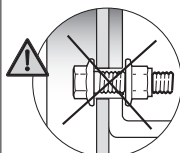
EDMU-URSP 180-2 MAN



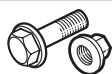
**24 x M14
(10.9)**



163 Nm



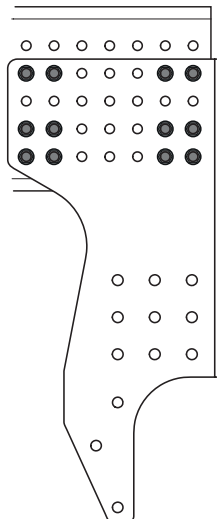
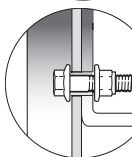
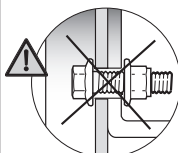
EDMU-URSP 180-2 IVECO



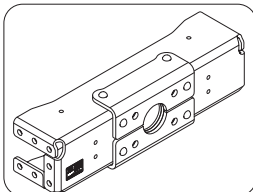
**24 x M14
(10.9)**



163 Nm



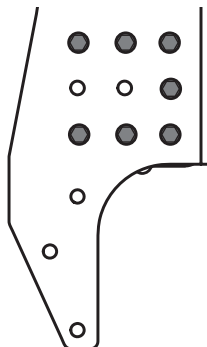
DB75V-2



**14 x M16
(10.9)**



250 Nm

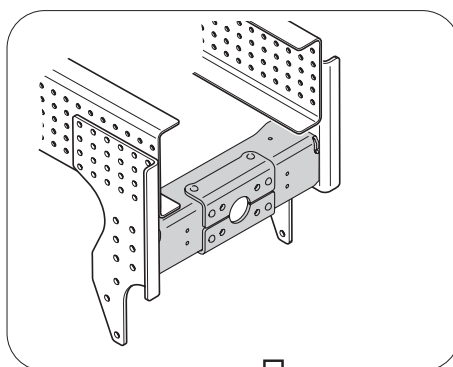
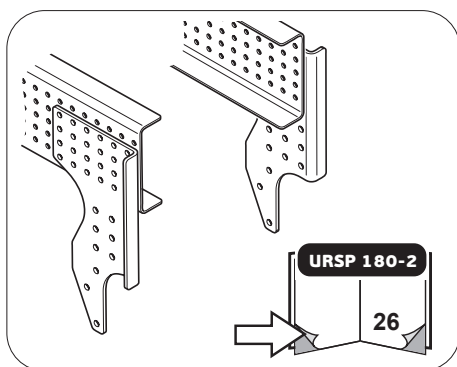
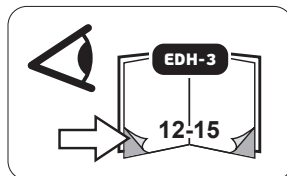
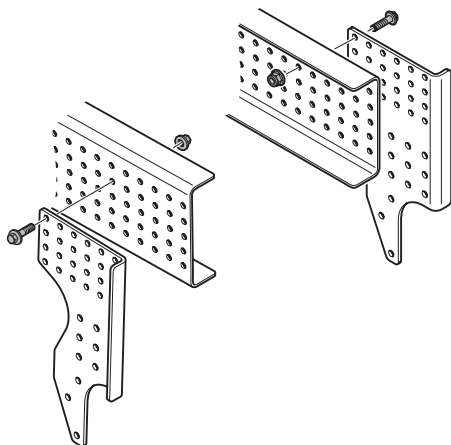




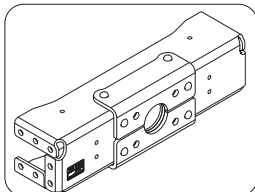
EDHU-URSP 180-2

EDHU-URSP 180-2+DB 75V-2

1.



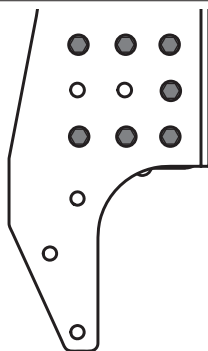
DB75V-2



**14 x M16
(10.9)**



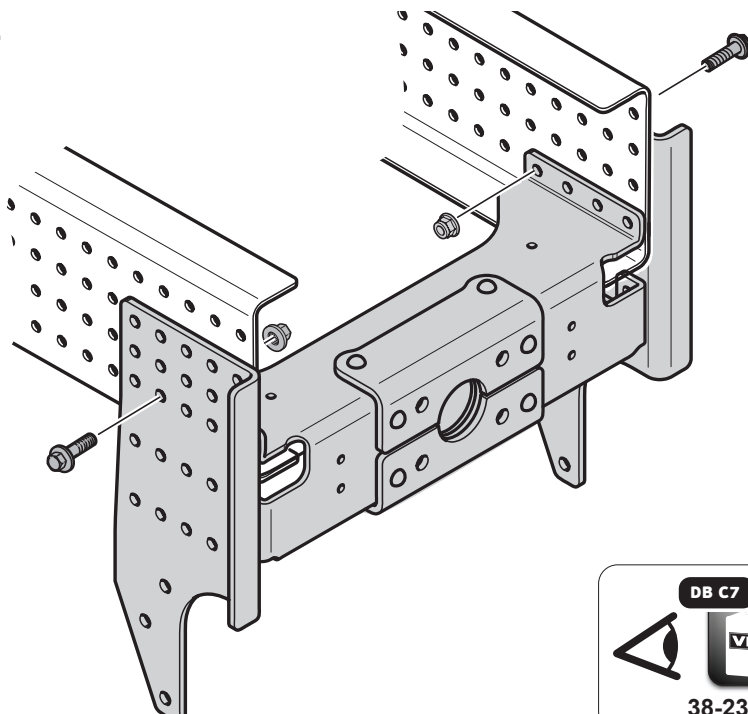
250 Nm





EDUS-URSP 180-2+DB C7

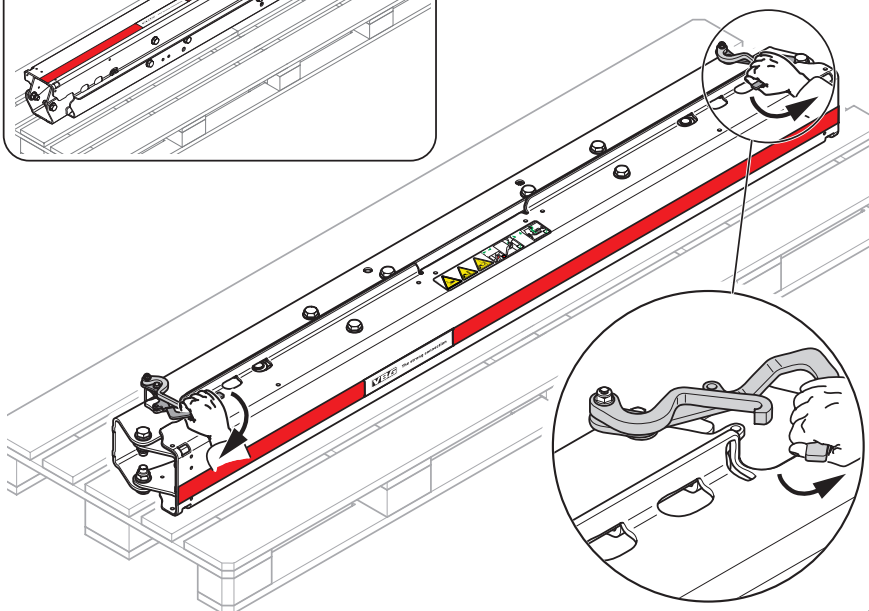
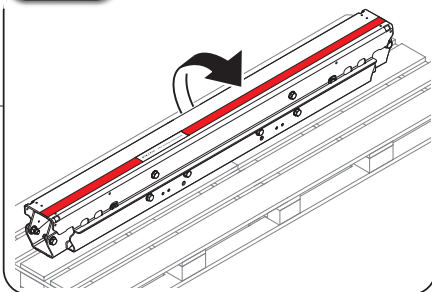
1.



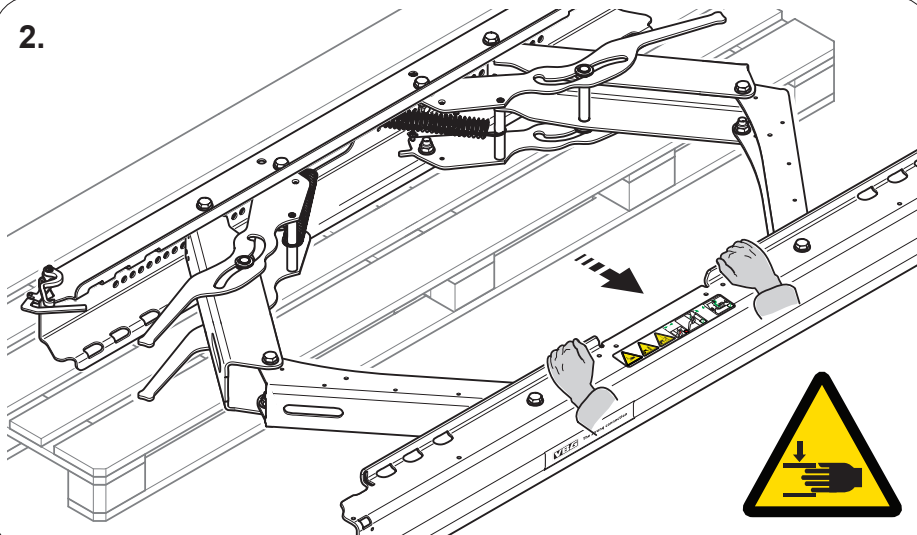


URSP 180-2

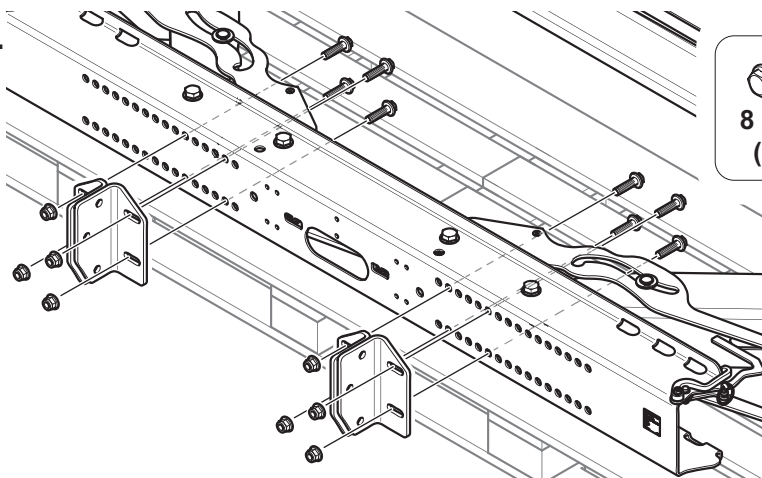
1.



2.



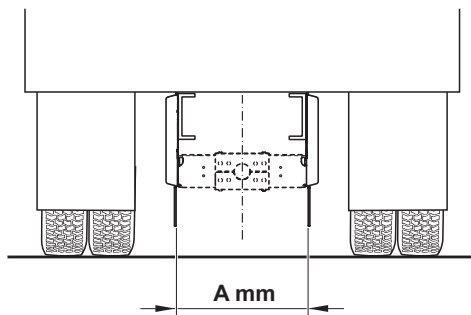
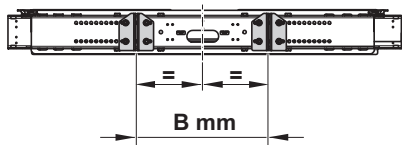
3.



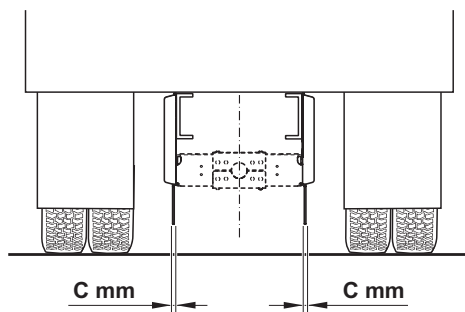
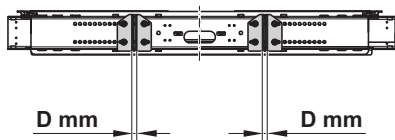
8 x M16
(10.9)



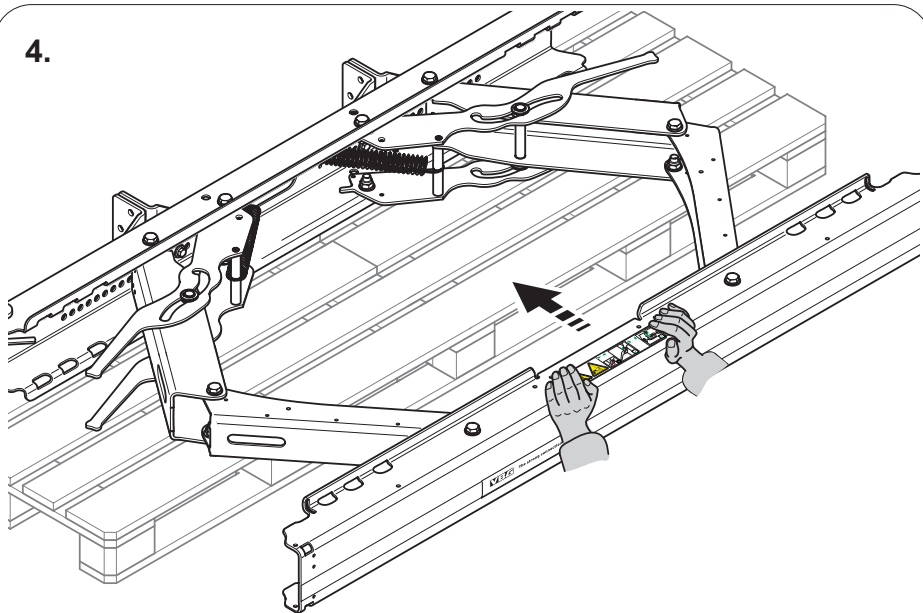
$B = A$



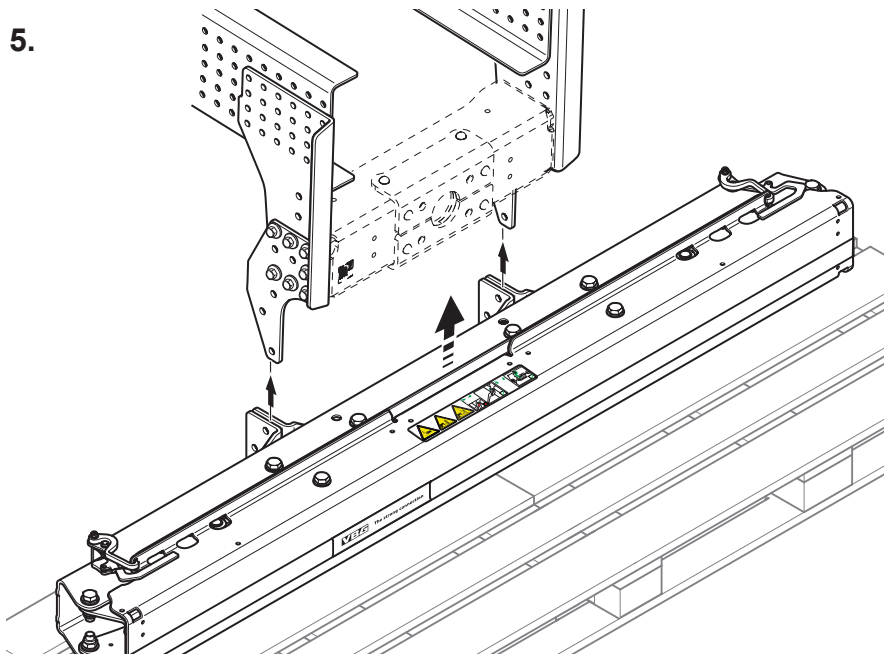
$D > C$



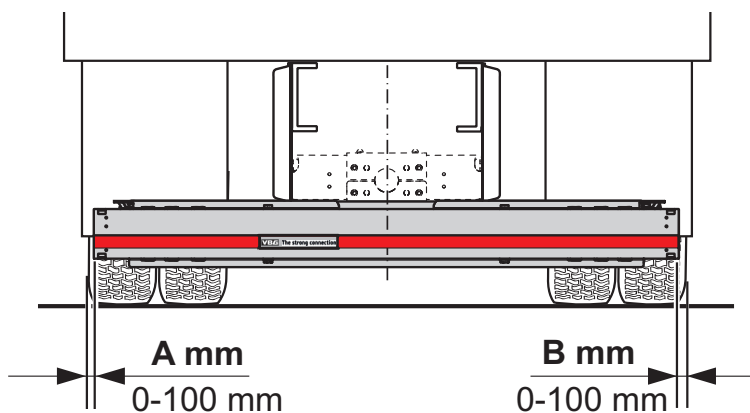
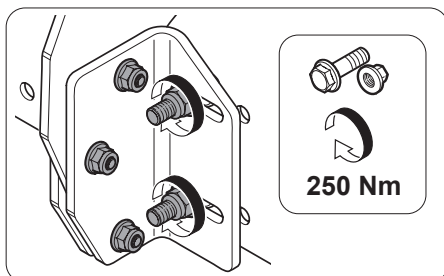
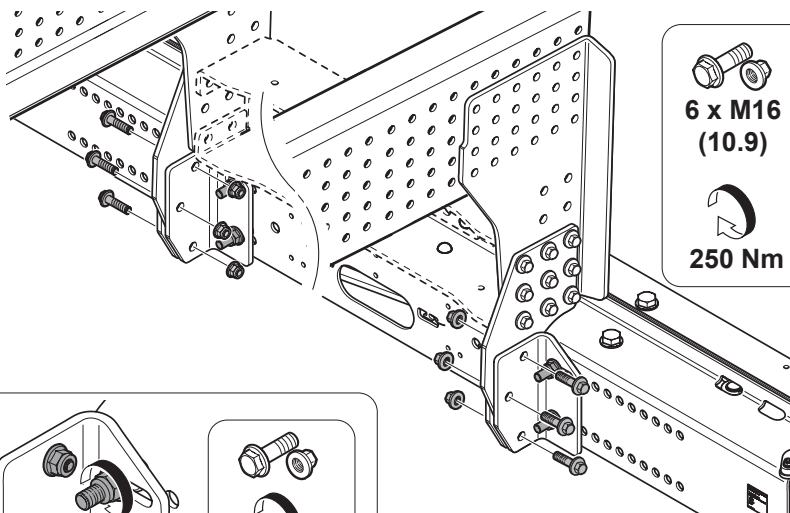
4.



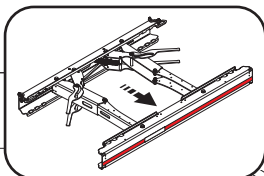
5.



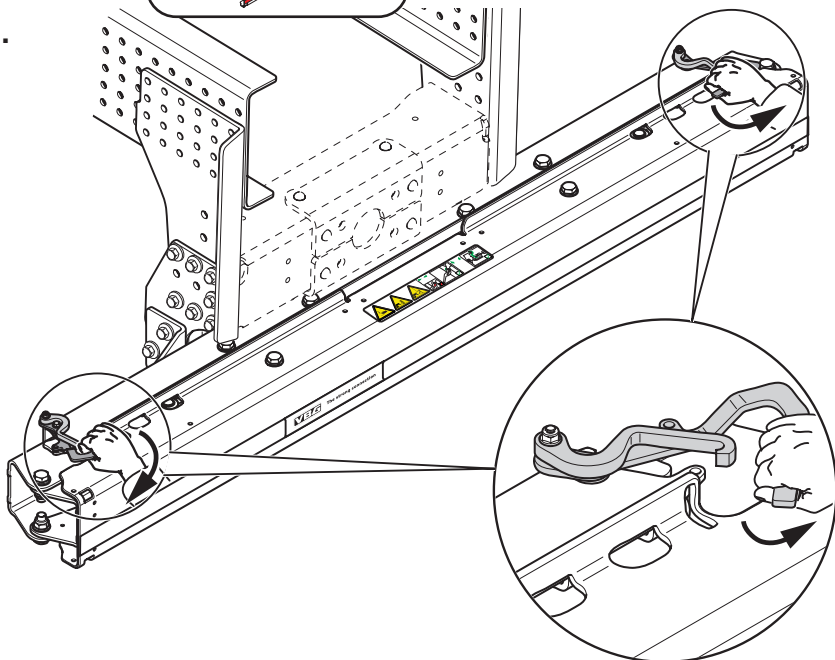
6.



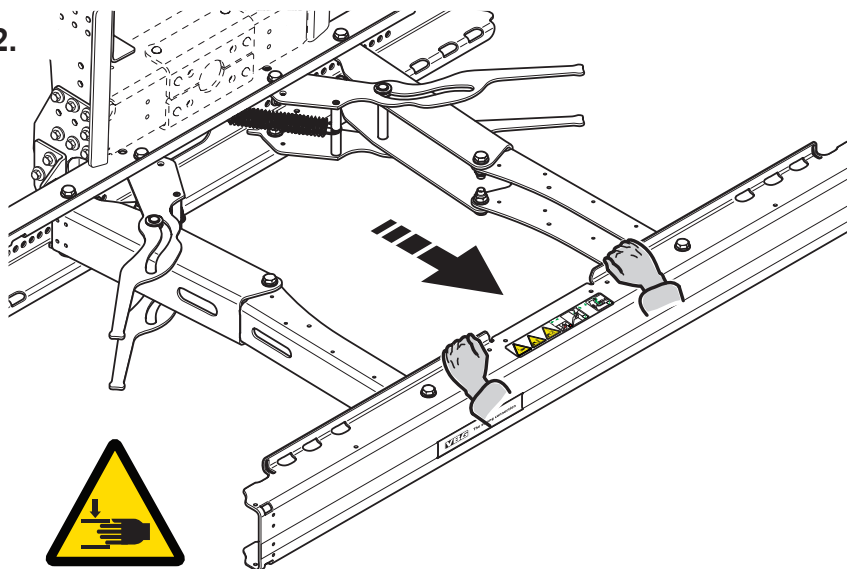
A=B



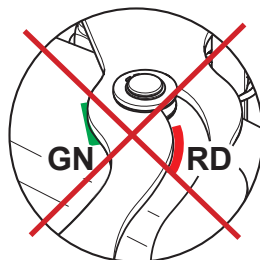
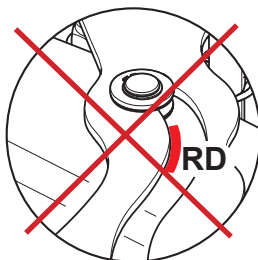
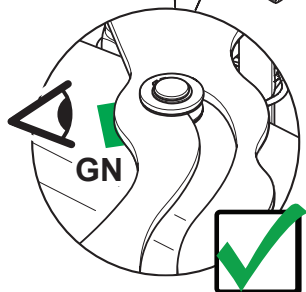
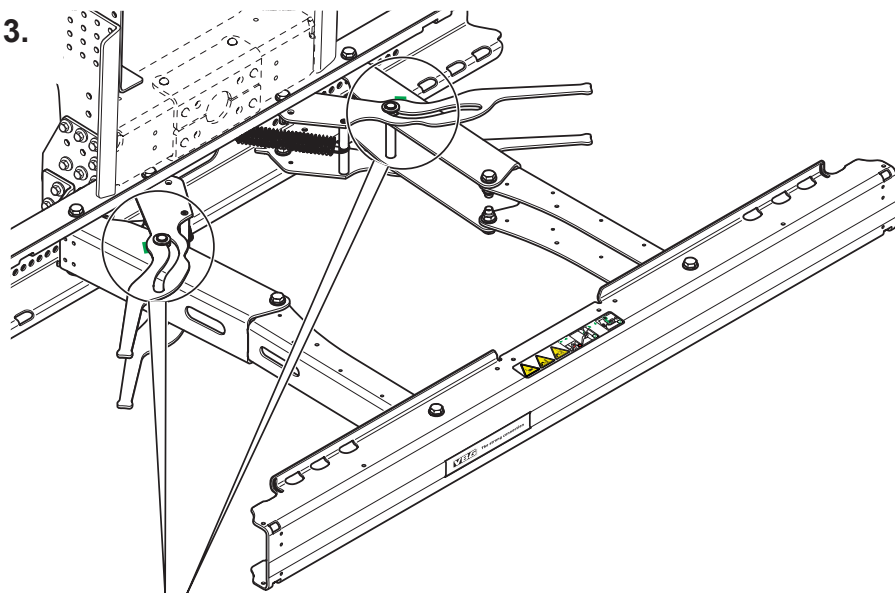
1.



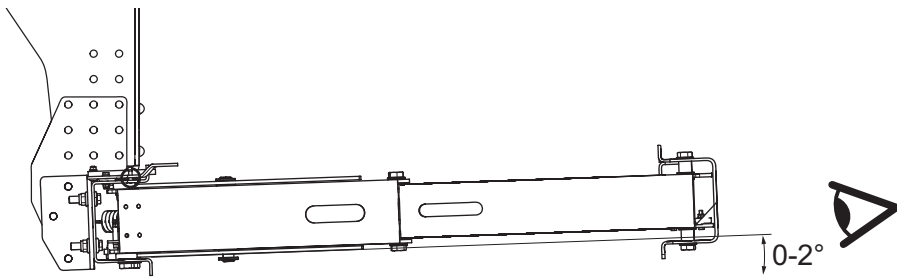
2.

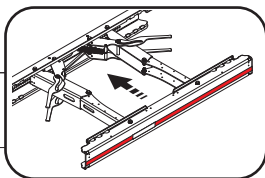


3.

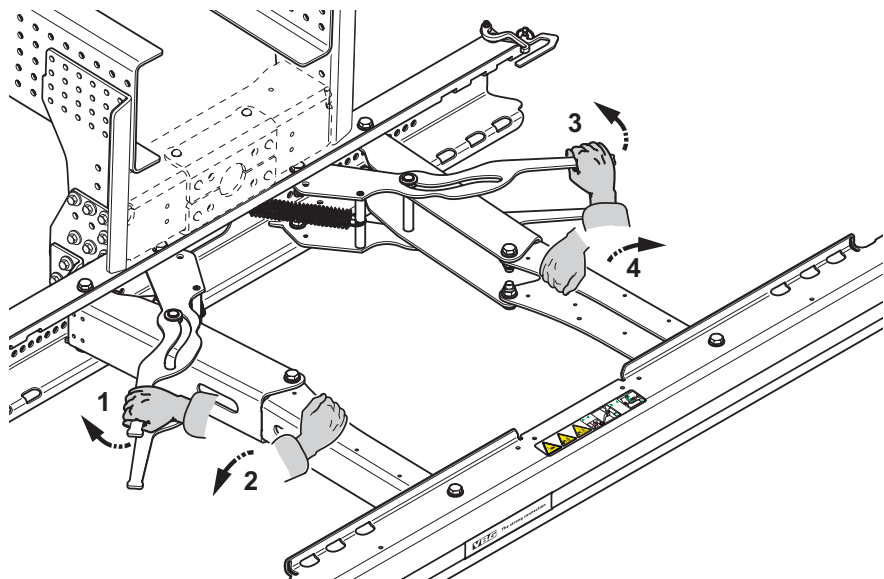


4.

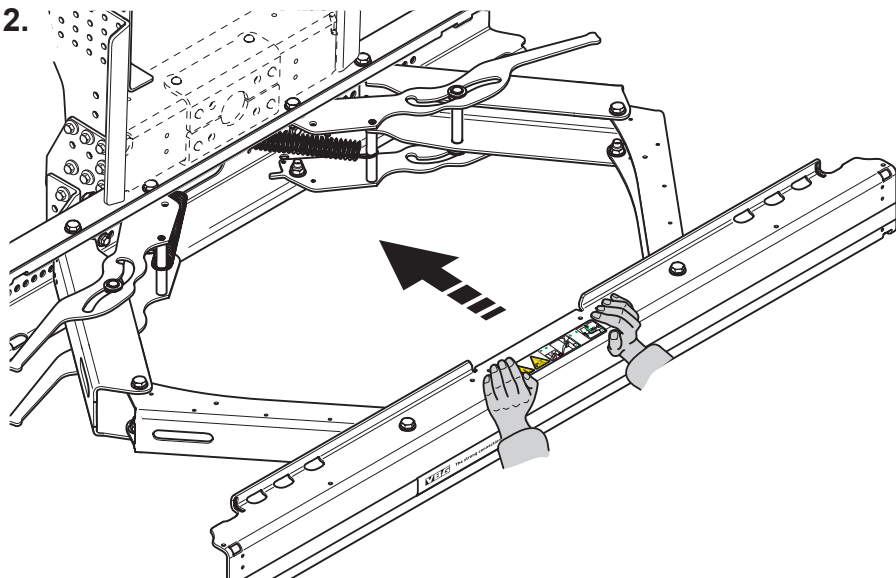




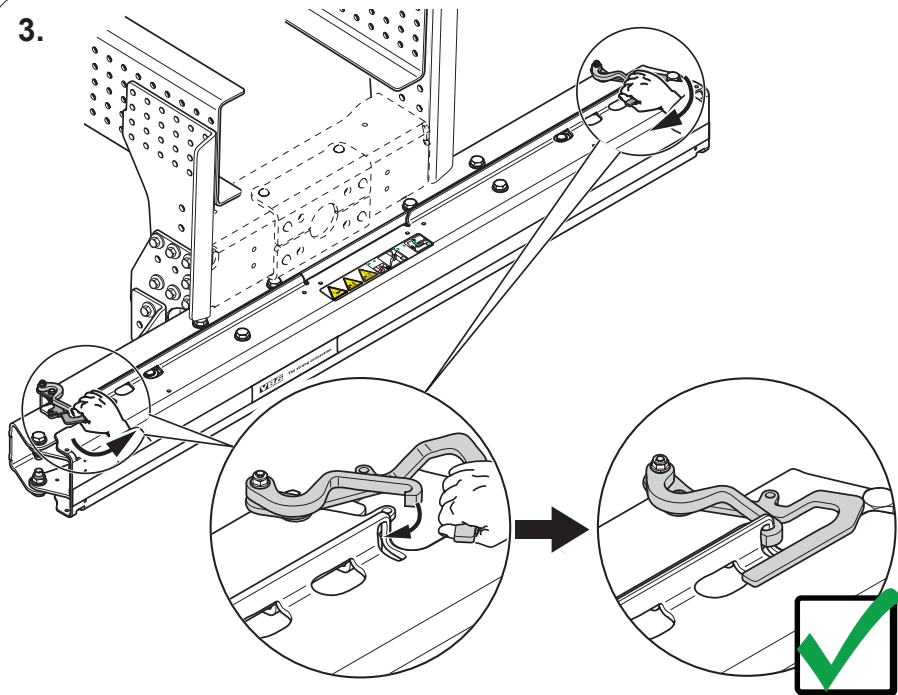
1.



2.



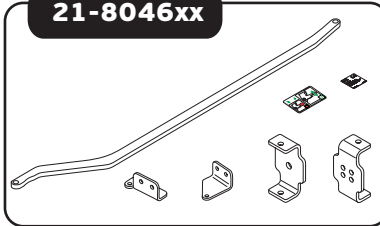
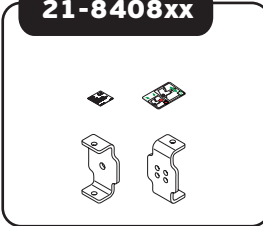
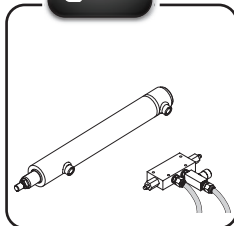
3.



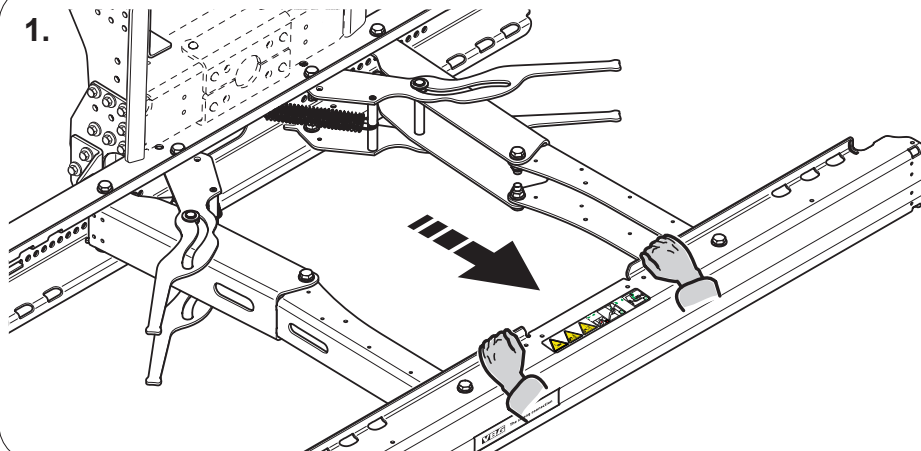


21-8408xx

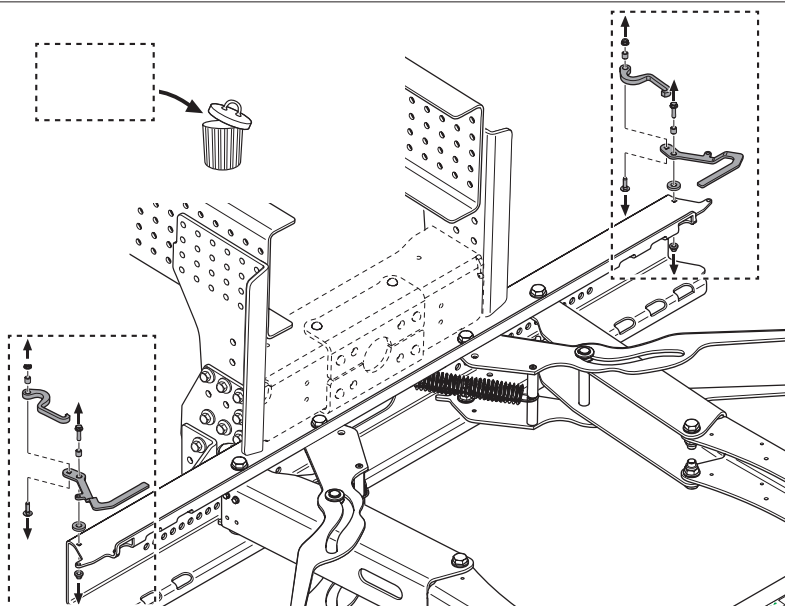
21-8046xx



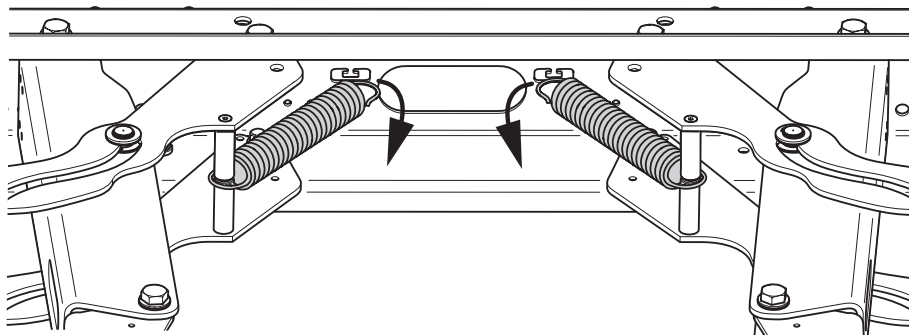
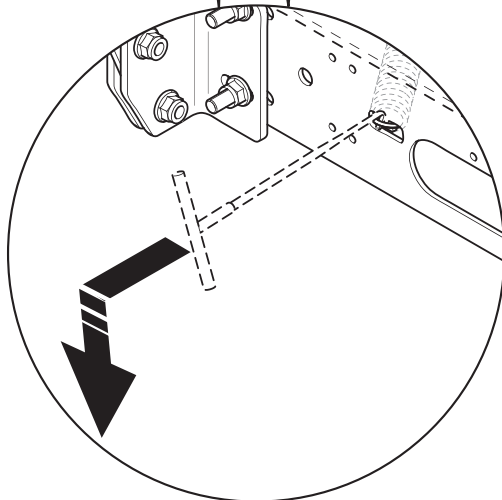
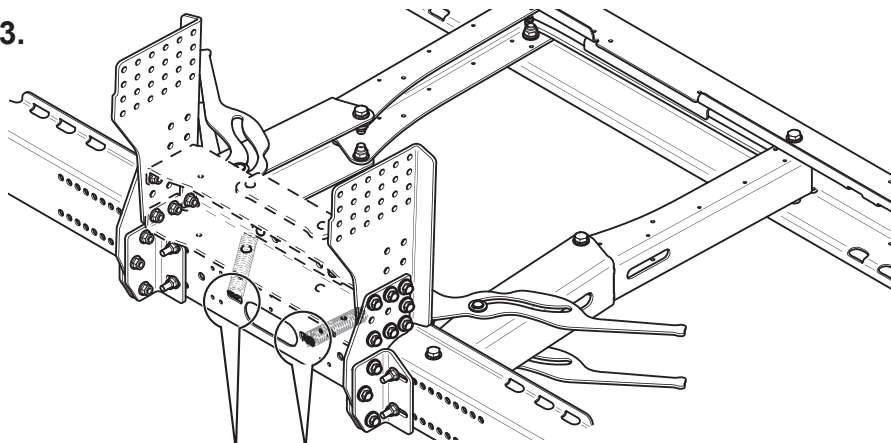
1.



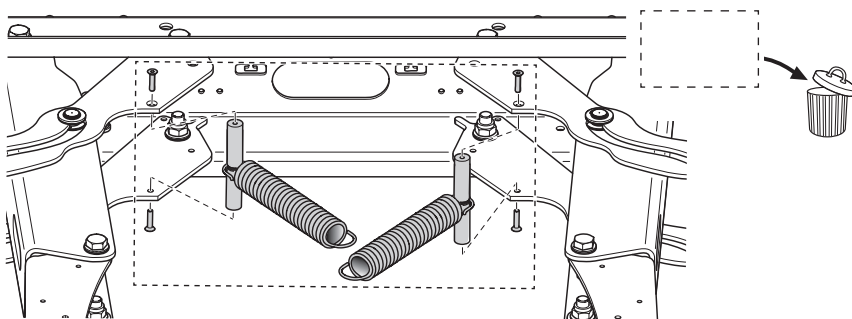
2.



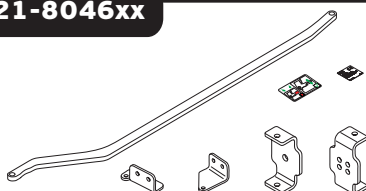
3.



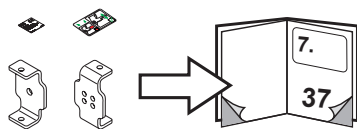
4.



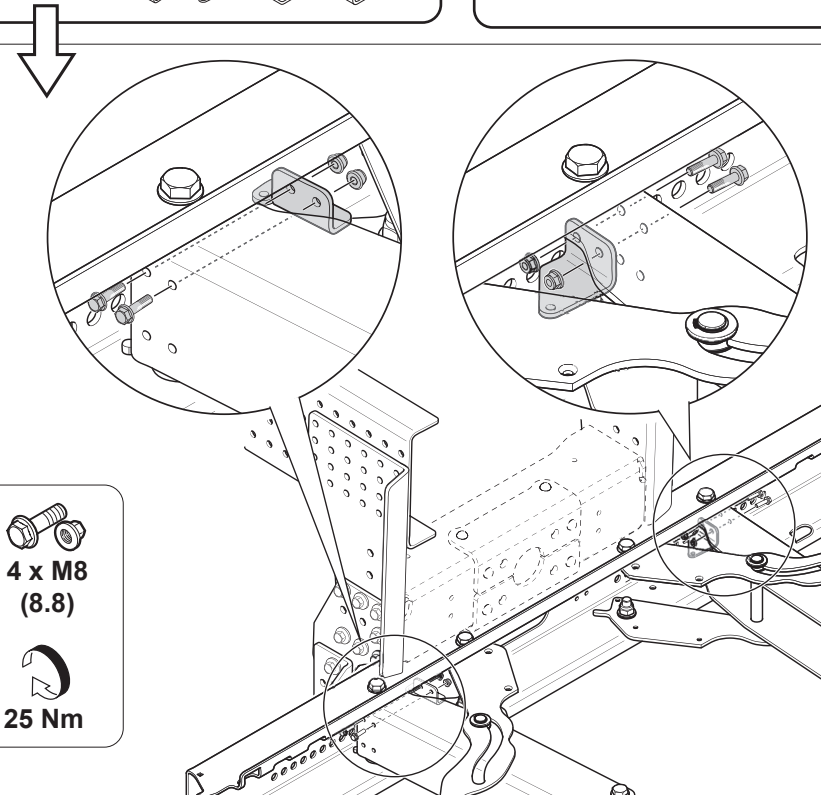
21-8046xx



21-8408xx

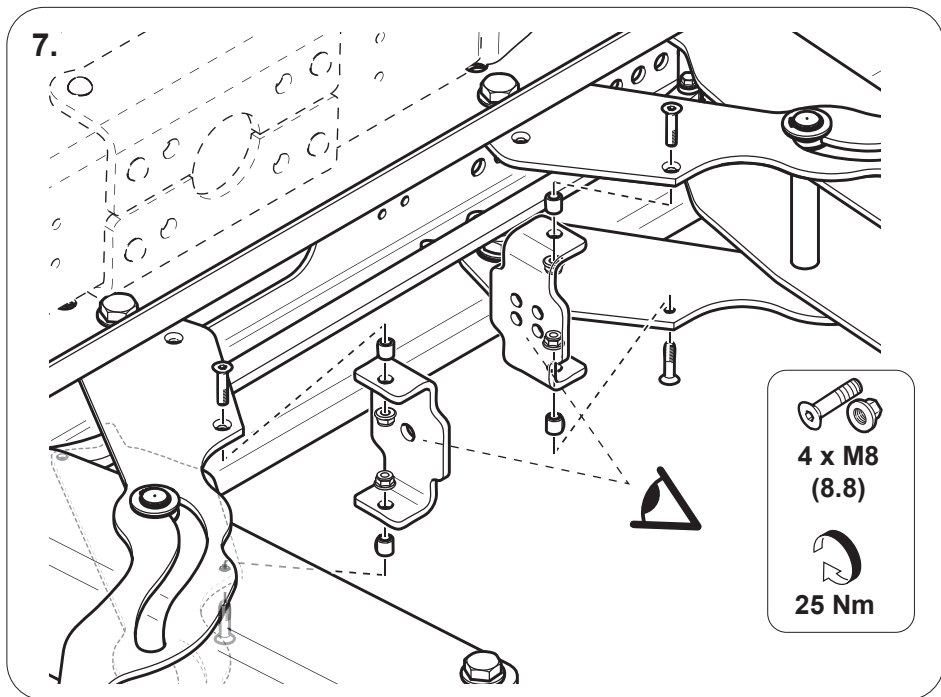
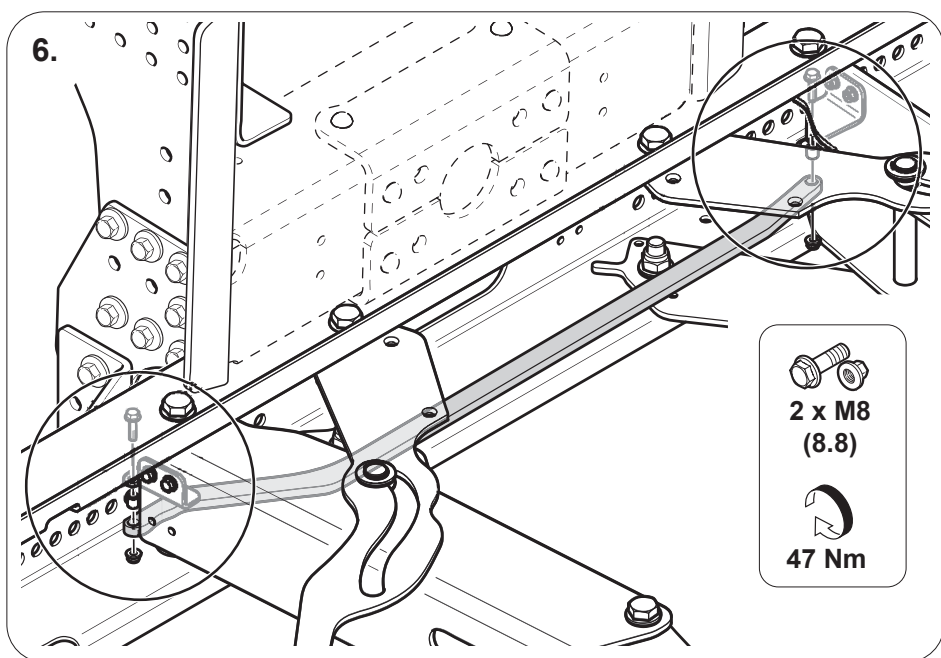


5.

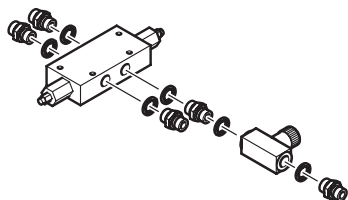


**4 x M8
(8.8)**

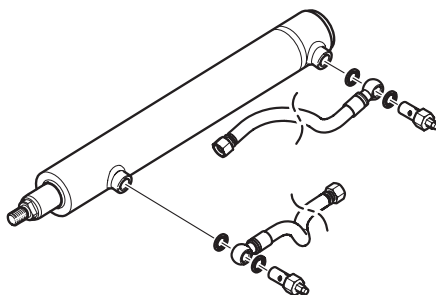
25 Nm



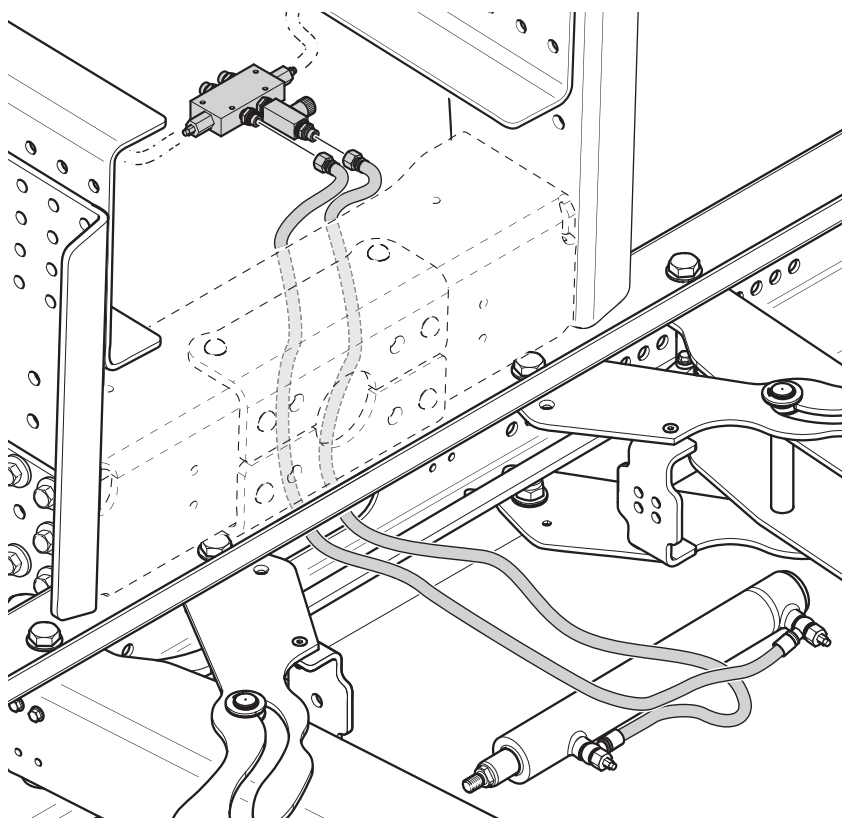
8.

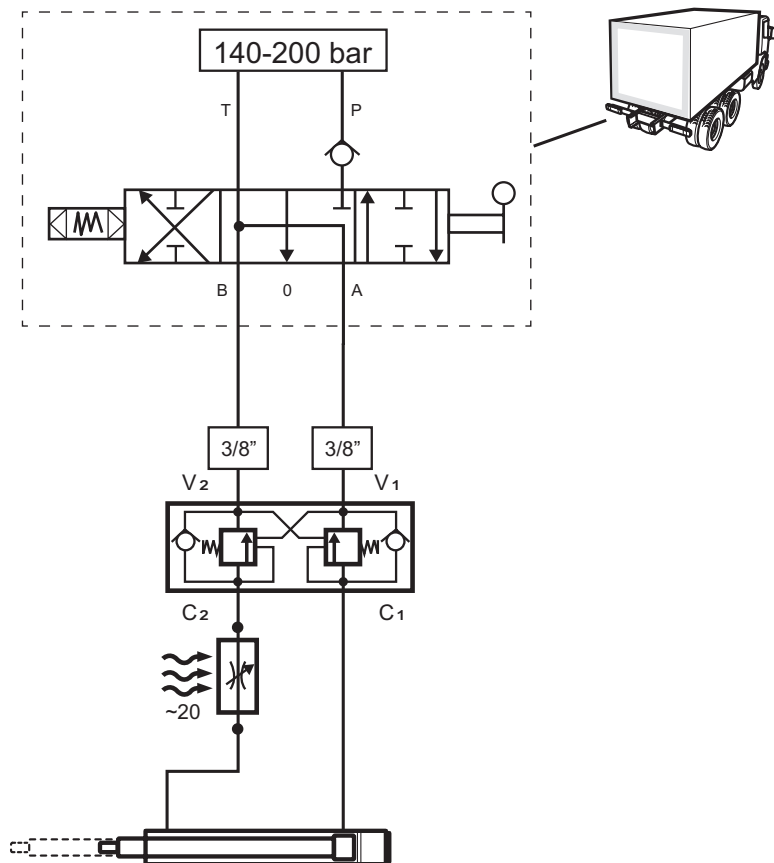
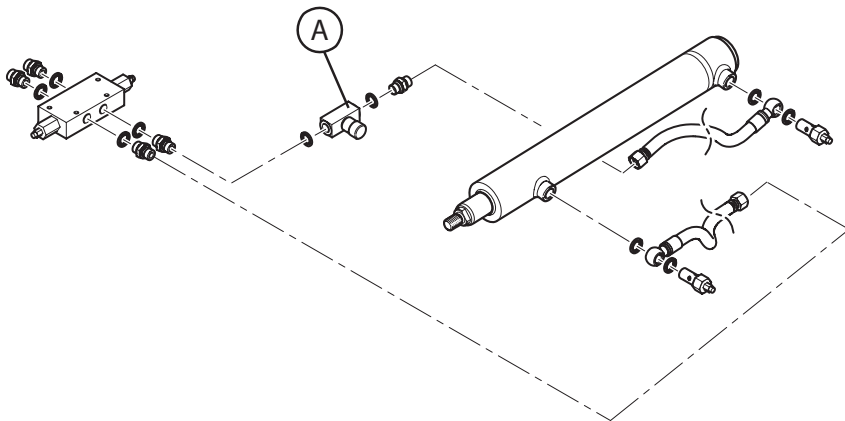


9.



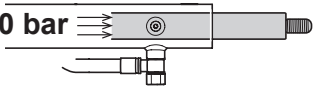
10.



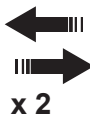
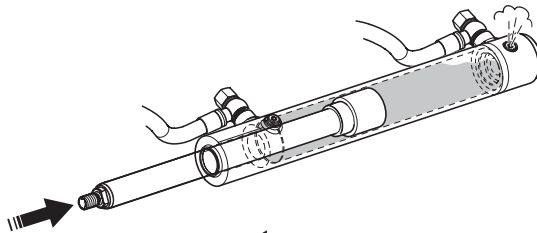
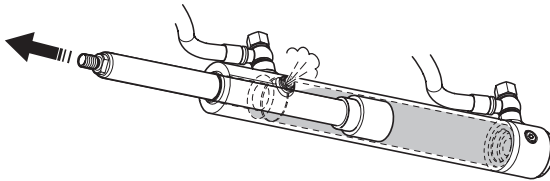
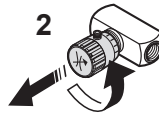
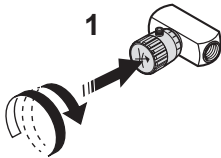




140-200 bar

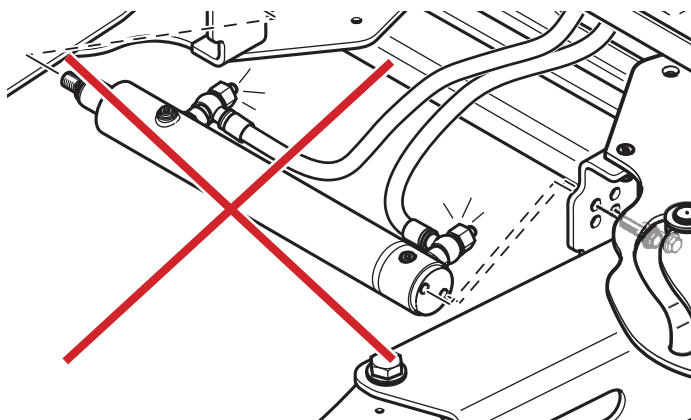
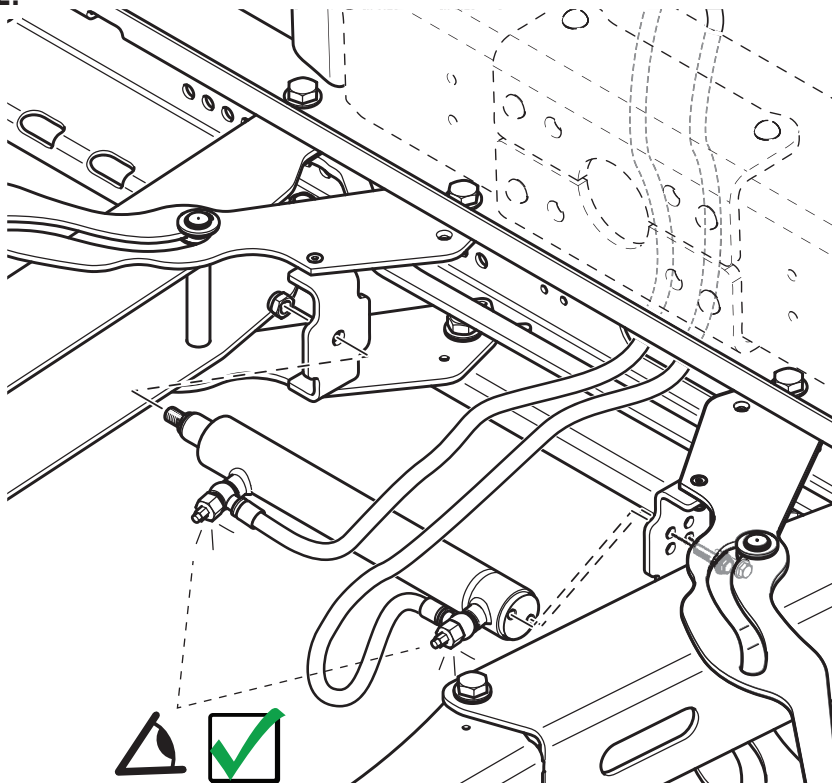


11.

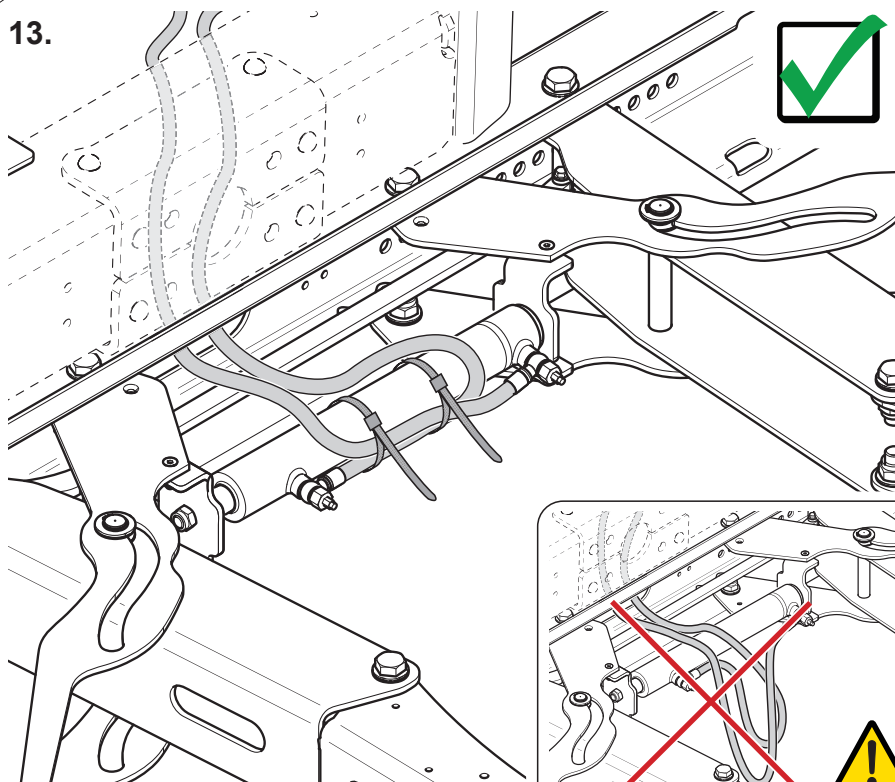


x 2

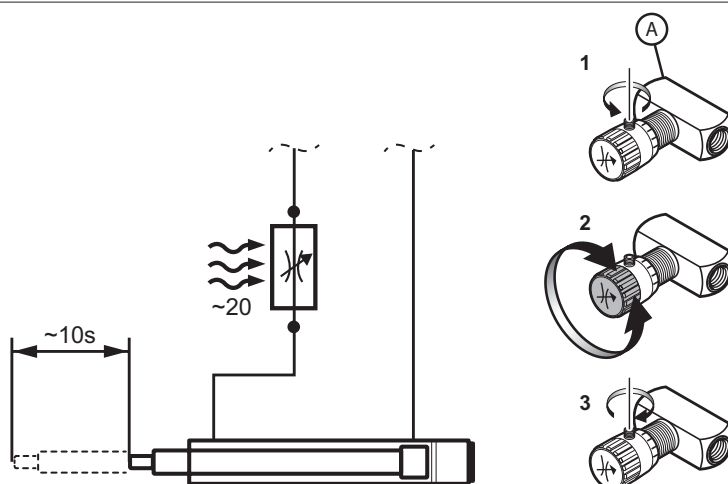
12.



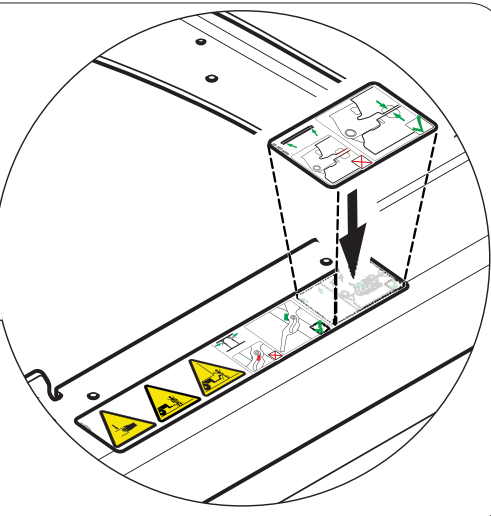
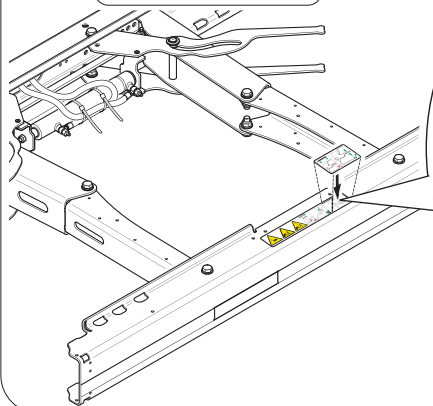
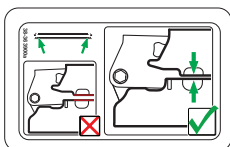
13.



14.



15.



16.

