



RotaCover

INSTALLATION INSTRUCTION MANUAL

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INSTALLATION

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INTRODUCTION

Thank you for purchasing the Transcover RotaCover. It has been designed and manufactured by Transcover to provide years of trouble-free operation.

Please note that the following instructions are offered as a guide to installation only and are there to assist those who are already skilled in electrical installation and material fabrication. Please do not attempt to fit this system unless you are adequately trained, accompanied, and wearing the appropriate health and safety attire.

Please contact us on 01622 792006 should you require any assistance with the fitting of our product and one of our skilled installers will be more than happy to assist you with your enquiries.

Please read and understand this Installation Manual before installing your system. Correct installation is a requirement for correct operation. Please pay particular attention to the stability of the installation and to the safety indication symbols in the document.

**CONTACT TRANSCOVER FOR FURTHER INSTRUCTIONS BEFORE
CARRYING OUT ANY WORK THAT IS NOT DESCRIBED IN THIS DOCUMENT.**

www.transcover.com/warranty

Contact information

+44 (0)1622 792006 | sales@transcover.com
Transcover, 1 & 2 The Mill, St Michaels Close, Aylesford, Kent ME20 7XE

CERTIFICATE OF CONFORMITY (UK)

EC DECLARATION OF CONFORMITY

With EU MD 2006/46/EC as amended from 98/37/EC

We: Transcover

Of: Units 1 and 2, St Michaels Close, Aylesford, Kent. ME20 7XE

In accordance with the following Directive(s):

2006/42/EC EC Machinery Directive

Hereby declare that:

Equipment: ROTACOVER SHEETING SYSTEM

Model number: KIT-RC-01

Serial number: KIT-RC-01

Is in conformity with the applicable requirements of the following documents:

Ref	Title	Edition/ Date
1597	The Supply of Machinery (Safety) Regulations	2008
EN ISO 12100	Safety of Machinery	2010

I hereby declare that the equipment named above has been designed to comply with the relevant sections of the above reference specifications. The unit complies with all applicable Essential Requirements of the Directives.



Name: Paul Hines

Position: Managing Director

Date: 10/11/23



Document reference No. 0212

WARNING OF MISUSE

DESCRIPTION OF INTENDED USE

The machine is a framework mounted on a vehicle, trailer chassis or container that holds a rolled cover. The arms are activated via a pump powered gearbox, and the cover unrolled and secured over the load.
To remove the cover, the spool valve is utilised in reverse and sheet housed in housing attached to vehicle head-board.

Power Supply	The generic system is powered by a hydraulic power pack, powering hydraulic gearboxes.
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DIRECTIVES APPLIED

Machinery Directive 2006/42/EC
EMC Directive 2014/30/EU

UK REGULATIONS APPLIED

The Supply of Machinery (Safety) Regulations 2008 (as amended)
The Electromagnetic Compatibility Regulations 2016 (as amended)

WARNING OF MISUSE

The system must only be used as described in this manual. Any misuse of the product is prohibited and could cause severe injury.

- Do not** use for the lifting of goods or people
- Do not** attach anything to the cover
- Do not** use system for towing of vehicles or equipment
- Do not** use machinery to pull tarpaulin

SAFETY SYMBOLS



- Wear Head Protection
- Port du casque de sécurité obligatoire
- Kopfschutz tragen



- Wear High Visibility Clothing
- Porter des vêtements à haute visibilité
- Warnkleidung tragen



- Wear safety goggles
- Porter des lunettes de sécurité
- Schutzbrille tragen



- Wear Protective Gloves
- Porter des gants de protection
- Schutzhandschuhe tragen



- Wear a Welding Mask
- Porter un masque de soudure
- Tragen Sie eine Schweißmaske



- Wear Ear Protectors
- Porter des protecteurs d'oreilles
- Tragen Sie Gehörschutz



- Crush hazard, keep hand clear of moving parts
- Danger d'écrasement. Rester à l'écart des pièces en mouvement
- Quetschgefahr. Halten Sie sich von beweglichen Teilen fern



- Keep hands free of moving parts
- Risque de pincement. Rester à l'écart des pièces en mouvement
- Einklemmgefahr. Halten Sie sich von beweglichen Teilen fern



- Trip hazard
- Risque de trébuchement
- Stolpergefahr



- Falling object hazard
- Se méfier des chutes d'objets
- Achten Sie auf fallende Gegenstände



- Beware of overhead power cables
- Se méfier des câbles aériens
- Achten Sie auf Oberleitungen



- Electrical hazard
- Risque électrique
- Stromschlaggefahr



- Use lifting equipment
- Utiliser un équipement de levage
- Verwenden Sie Hebezeuge



- Caution, can cause injury
- Attention, peut causer des dommages
- Vorsicht, kann Schäden verursachen



- Do NOT operate in high winds
- Ne pas faire fonctionner en cas de vents violents
- Nicht bei starkem Wind bedienen



- Do NOT climb
- Ne pas monter
- Nicht klettern



- Caution
- Attention
- Achtung



- Refer to operators manual
- Se reporter au manuel d'utilisation
- Siehe Bedienungsanleitung



- Inspect equipment before use
- Inspecter la corde et la bâche avant utilisation
- Überprüfen Sie vor dem Gebrauch Seil und Plane



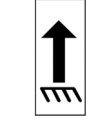
- Ensure ground is level before use
- Veiller à ce que le terrain soit plat avant utilisation
- Stellen Sie vor Gebrauch sicher, dass der Boden eben ist



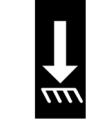
- Up
- Haut
- Aufwärts



- Down
- Vers le bas
- Unten



- Up
- Haut
- Aufwärts



- Down
- Vers le bas
- Unten



- Switch On
- allumer
- anstellen



- Switch Off
- éteindre
- ausschalten



- Tarp Out
- Replier la bâche
- Plane einfahren



- Tarp In
- Replier la bâche
- Plane einfahren



- Weld
- Soudure
- Schweißen



- Cut
- Couper
- Schneiden



- Drill
- Percer
- Bohren



- Measure
- Mesure
- Messen



- Check Level
- Vérifier le niveau
- Kontrollstufe

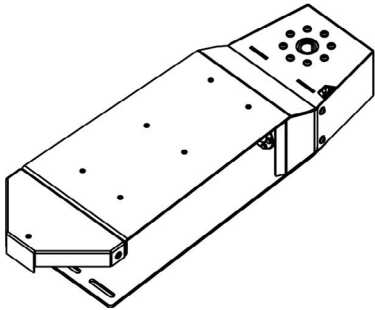


- Check square
- Vérifier la place
- Check für Platz

INSTALLATION INSTRUCTIONS

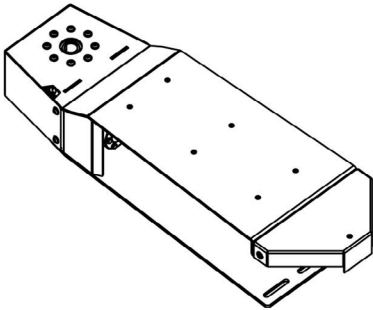
CHECKLIST

PRE-ASSEMBLED WITH HYDRAULICS



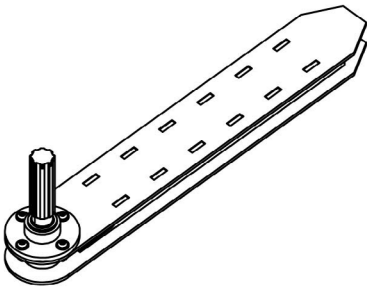
Gearbox Mount RH
CODE: RC-GBMRH-01 x1 ☐

PRE-ASSEMBLED WITH HYDRAULICS



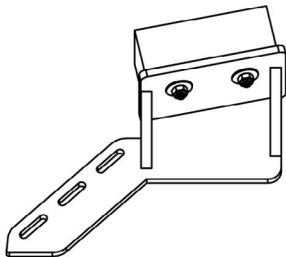
Gearbox Mount LH
CODE: RC-GBMLH-01 x1 ☐

PRE-ASSEMBLED WITH SHAFT



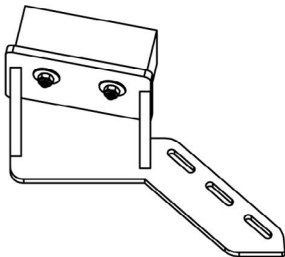
Lower Arm Mount
CODE: RC-LARMM-01 x2 ☐

PRE-ASSEMBLED WITH BUFFER

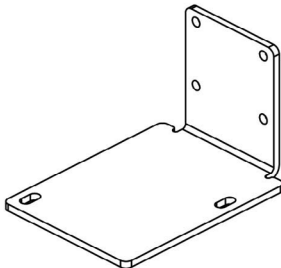


Rear Buffer Mount RH
CODE: RC-RRRH-01 x1 ☐

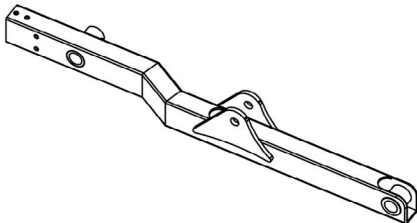
PRE-ASSEMBLED WITH BUFFER



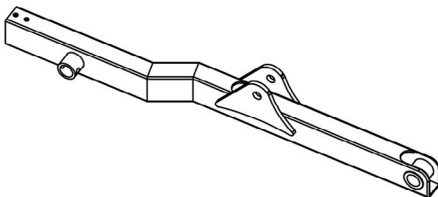
Rear Buffer Mount LH
CODE: RC-RRLH-01 x1 ☐



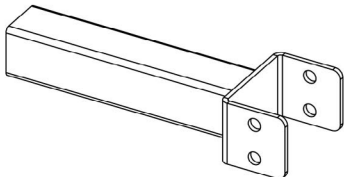
Pump Button Mount
CODE: RC-PBM-01 x1 ☐



Upper Arm RH
CODE: RC-RUARM-01 x1 ☐

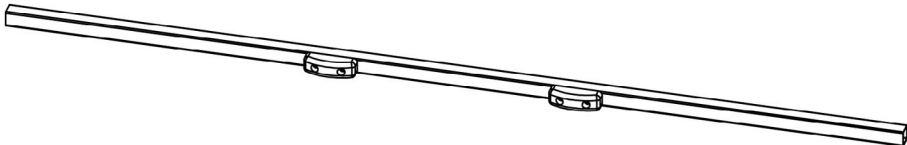


Upper Arm LH
CODE: RC-LUARM-01 x1 ☐



Crossbar Insert
CODE: RC-CBI-01 x2 ☐

PRE-ASSEMBLED WITH BUFFERS



Crossbar
CODE: RC-CB-01 x1 ☐



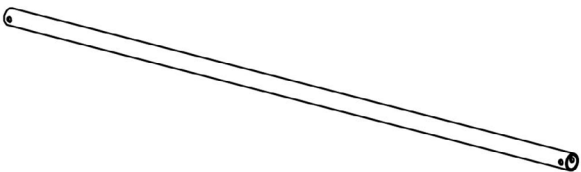
Lower Arm RH
CODE: RC-RLARM-01 x1 ☐



Lower Arm LH
CODE: RC-LLARM-01 x1 ☐

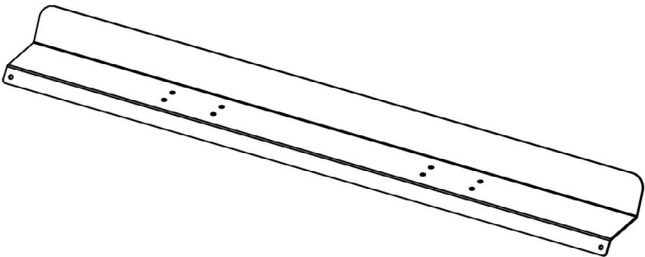
INSTALLATION INSTRUCTIONS

CHECKLIST



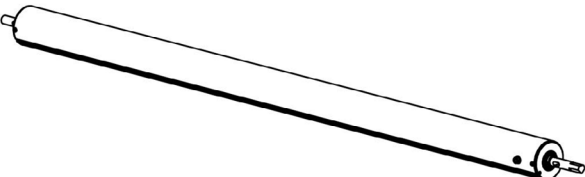
Sheet Pole
CODE: RC-SHP-01

x1 ☐



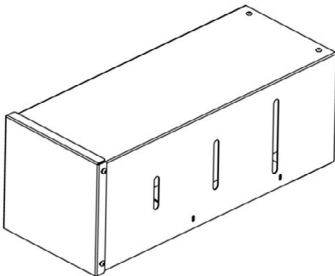
Headboard
CODE: RC-HB-01

x2 ☐



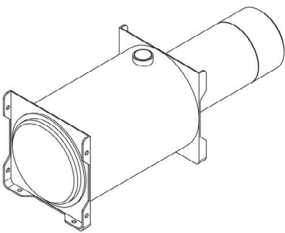
Rollerbar
CODE: U-ROLLER-16

x1 ☐



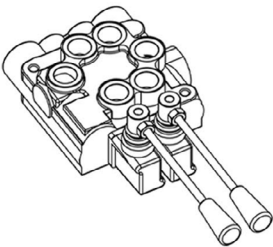
Pump Mount
CODE: U-HMPC-01

x1 ☐



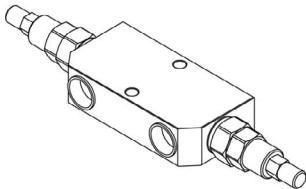
Hydraulic Pump 24v
CODE: U-HPUMP-05

x1 ☐



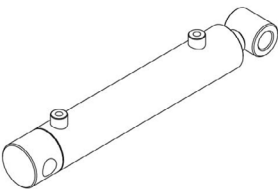
2 Lever Control Valve
CODE: U-HVC-02

x1 ☐



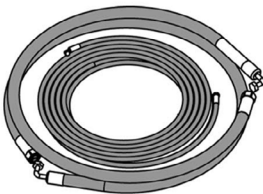
Over-centre Valve
CODE: U-HVOC-01

x1 ☐



Cylinder
CODE: RC-HCYL-01

x2 ☐

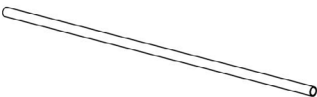


Hose Kit
CODE: RC-HHK-01

x1 ☐

Hyd Hose Ferules & Inserts
CODE: U-HFF-01

x1 ☐



Hyd Tube 8mm (950mm)
CODE: RC-HT-01

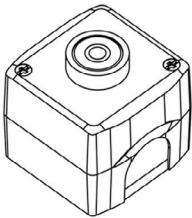
x2 ☐



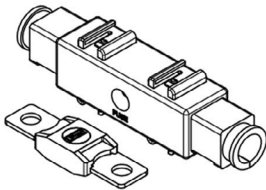
Hose Sleeve
CODE:

x1 ☐

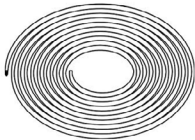
CHECKLIST



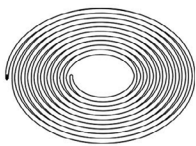
Pump Button
CODE: U-PSW-01 x1 ☐



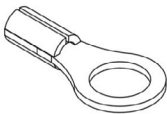
250A Fuse & Holder
CODE: U-250F-01 x1 ☐



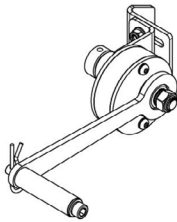
Elec Cable 1 Core Red
CODE: U-WIRE-04 4M ☐



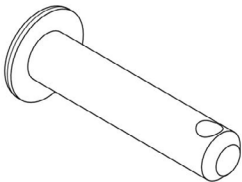
Elec Cable 1 Core Black
CODE: U-WIRE-03 1M ☐



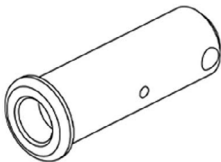
Uninsulated Terminal Connector
CODE: TIY304 x6 ☐



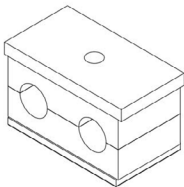
Turnsafe Handle
CODE: U-ROLLC-02 x1 ☐



Pin - 16mm
CODE: x1 ☐



Pin 79mm
CODE: U-PIN-02 x1 ☐



Hose Clamp
CODE: x20 ☐



Bolt Kit
CODE: RC-BOLT-01 x1 ☐



Tarpaulin
CODE: TARP-RC-01 x1 ☐

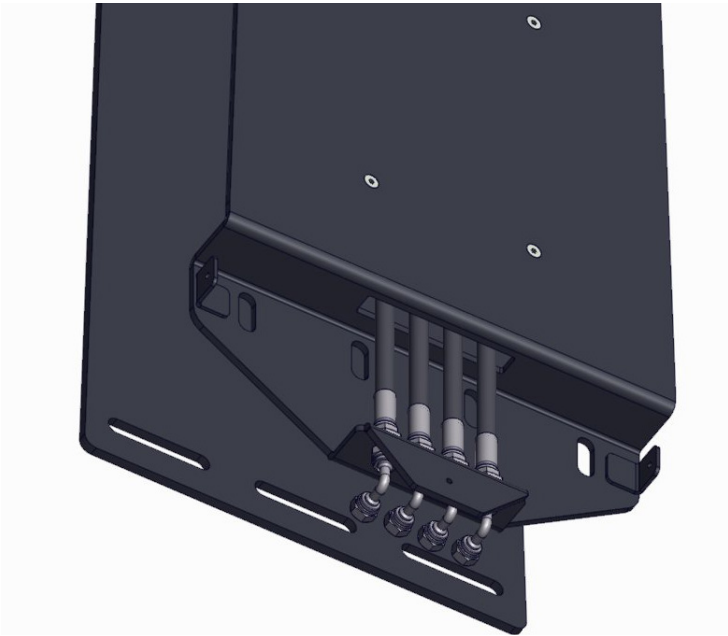
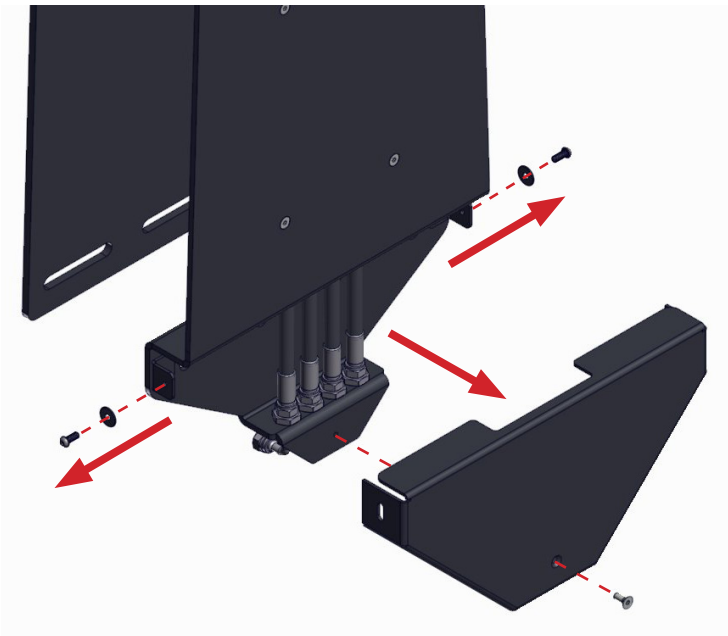
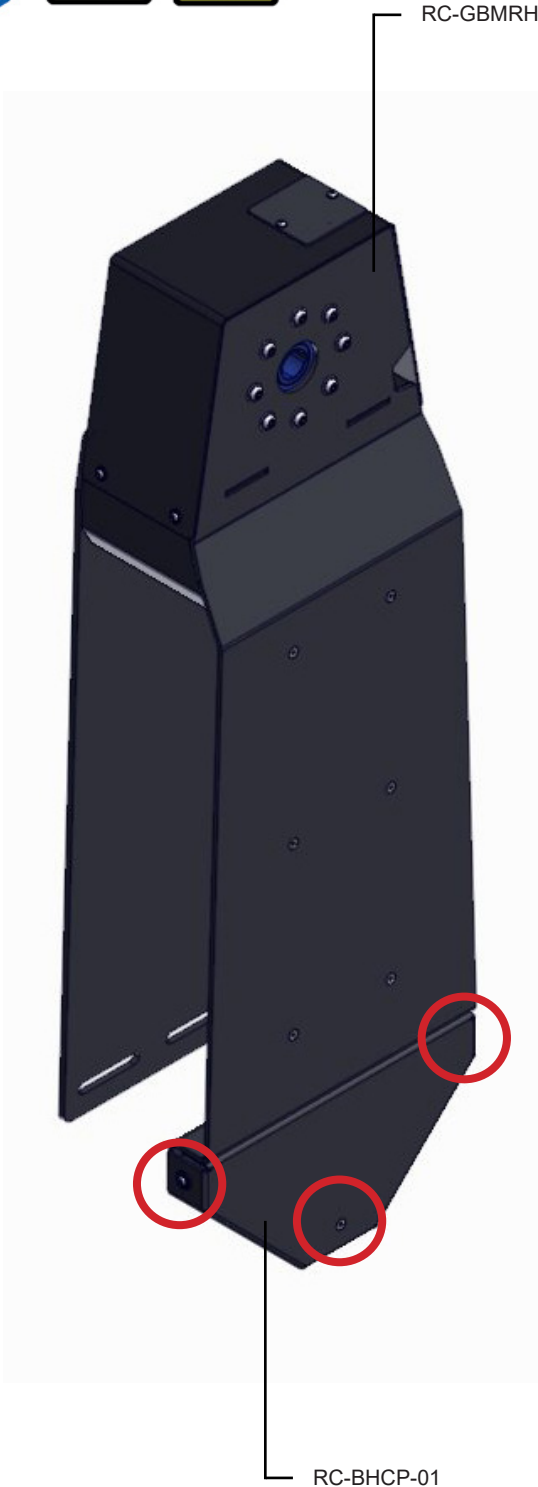


QR Installation Code Card
CODE: QR-INSTALL-01 x1 ☐



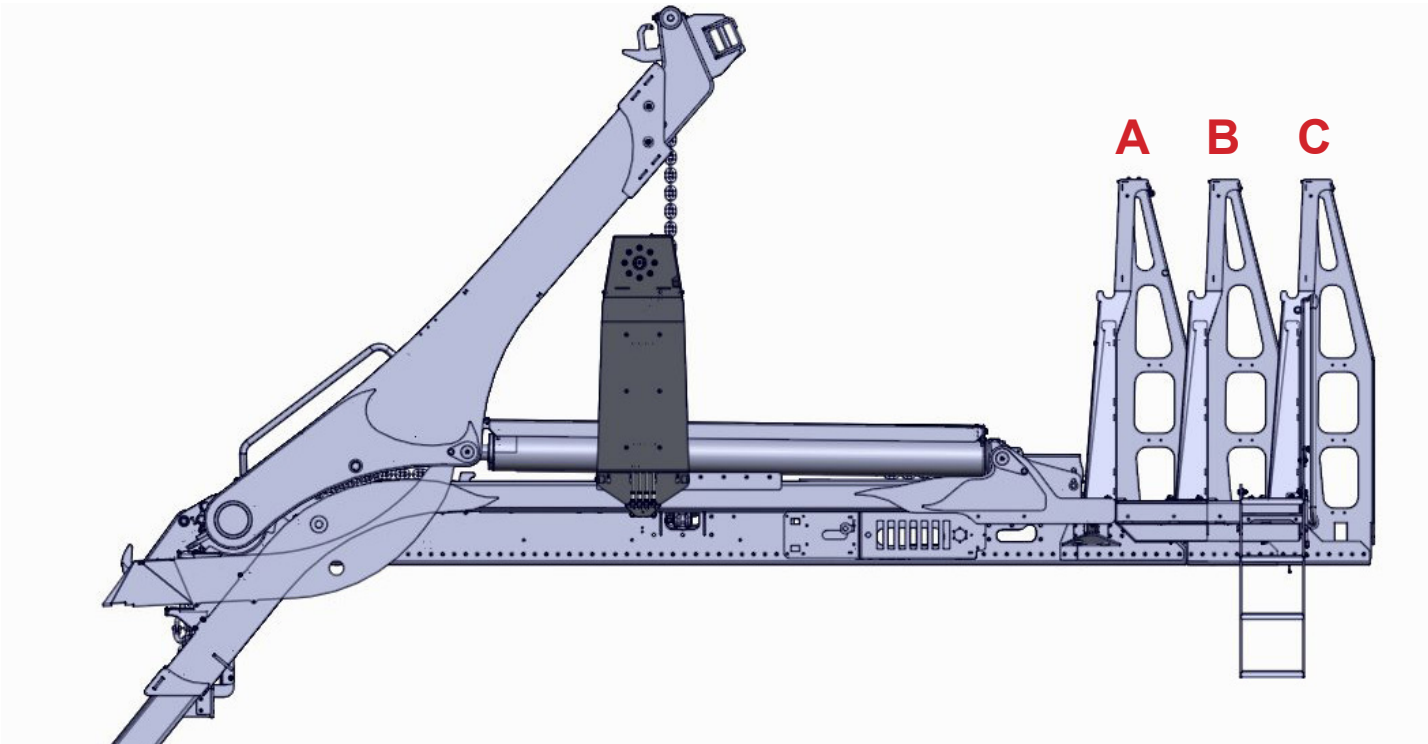
Caution Sticker (Yellow)
CODE: STICKER-01 x1 ☐

MOUNT INSTALLATION



REPEAT ON OPPOSING SIDE

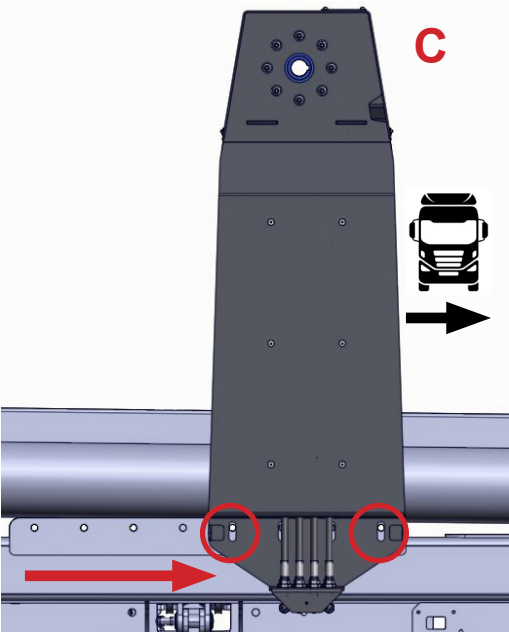
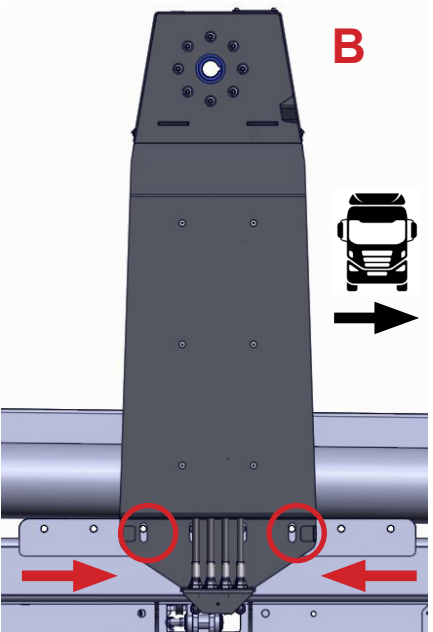
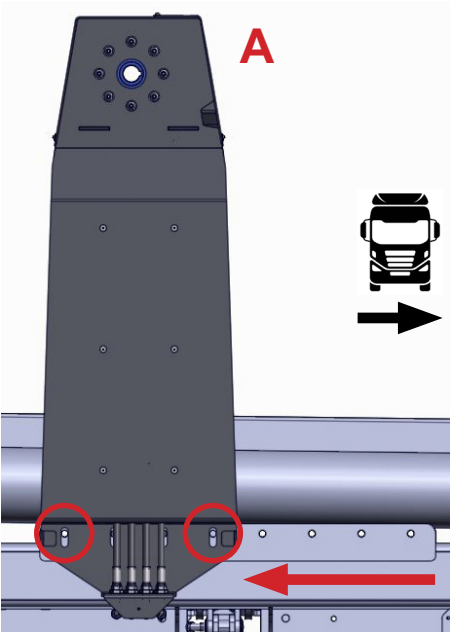
MOUNT INSTALLATION



ST14-3800

ST14-4200

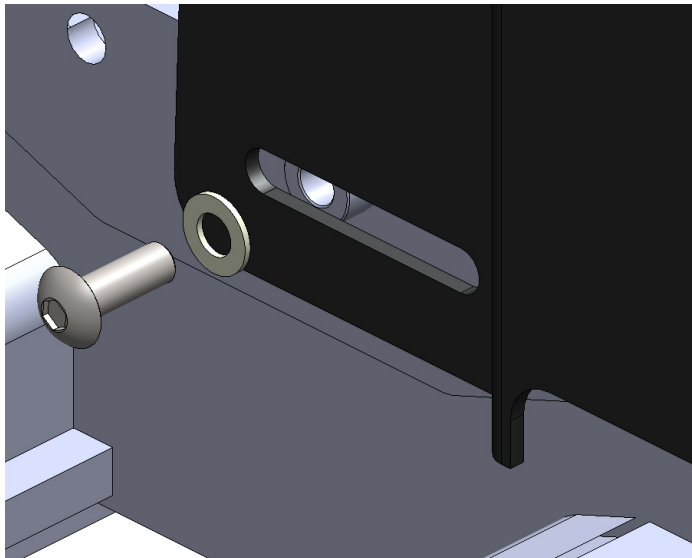
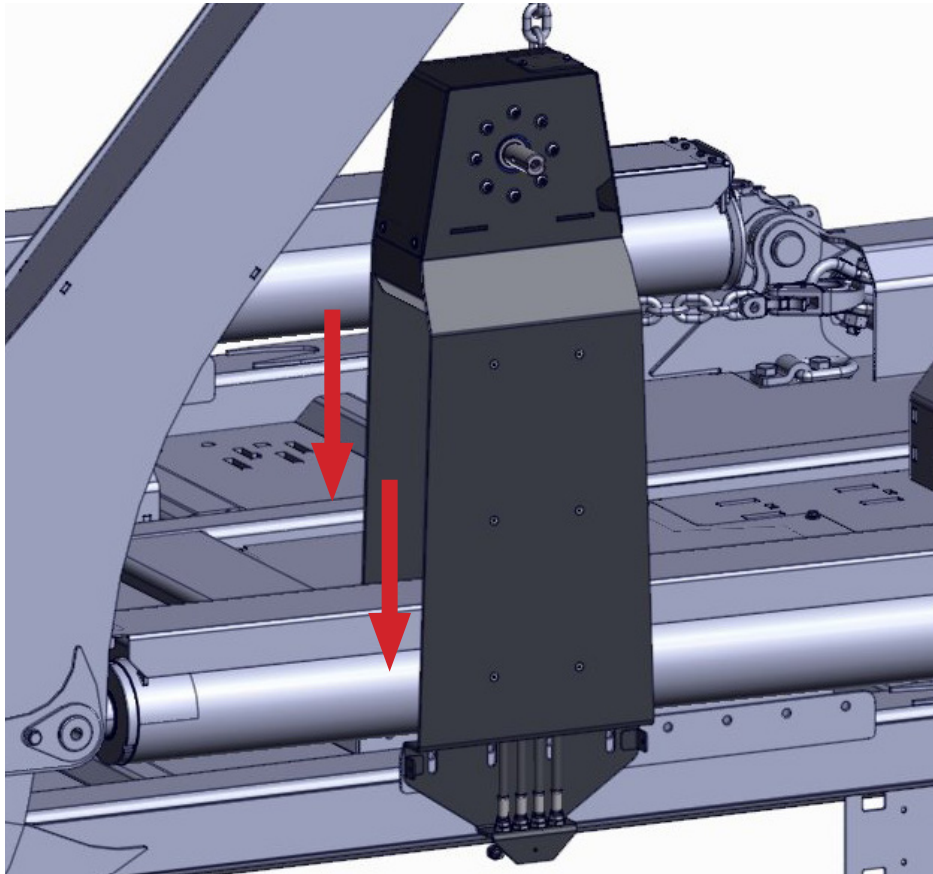
ST14-4600



REPEAT ON OPPOSING SIDE

INSTALLATION INSTRUCTIONS

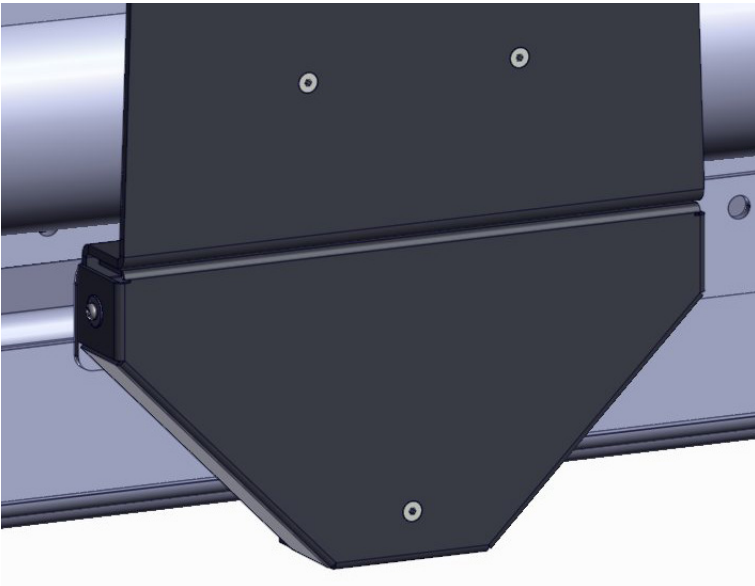
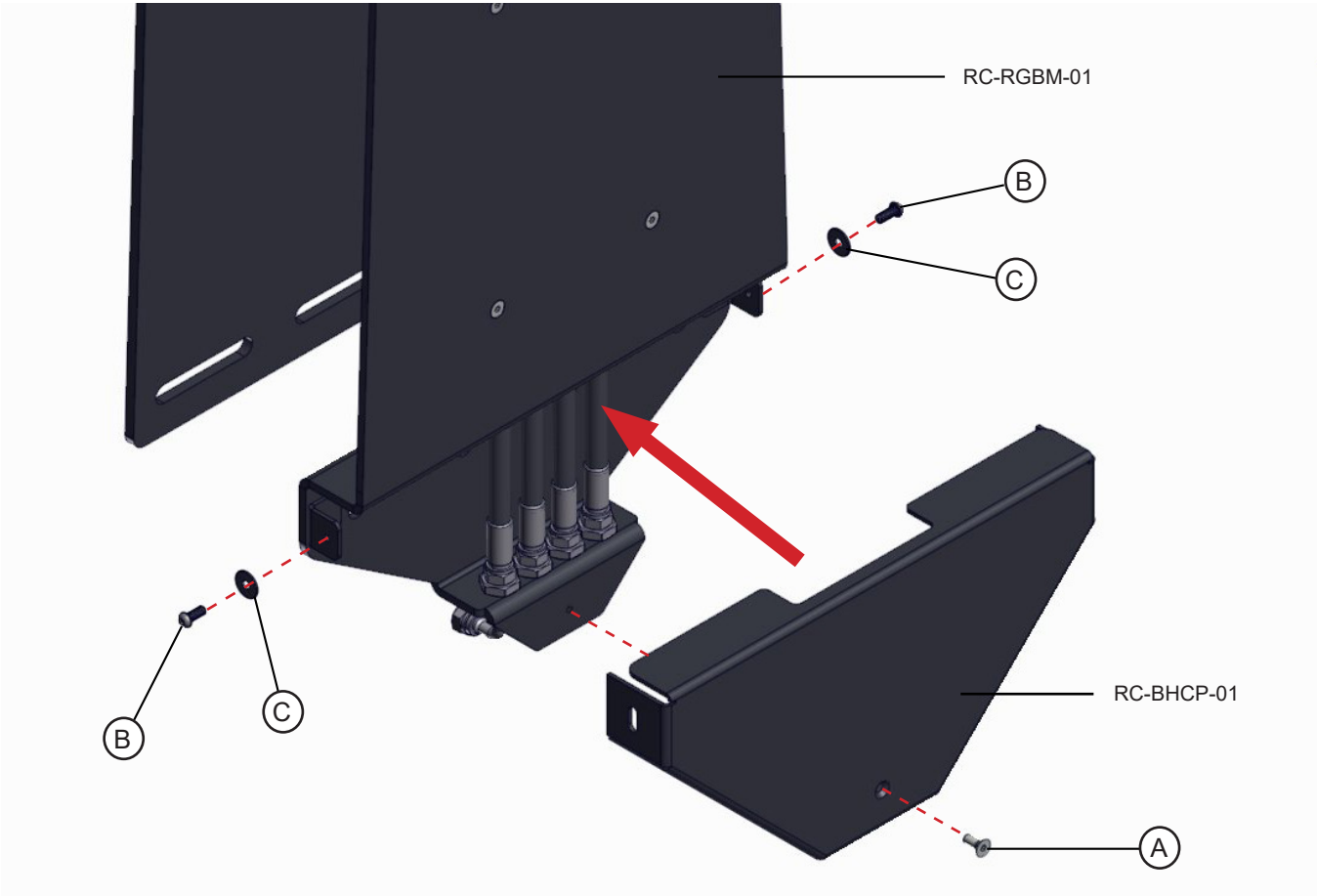
MOUNT INSTALLATION



BOLTS NOT PROVIDED

REPEAT ON OPPOSING SIDE

GEARBOX INSTALLATION

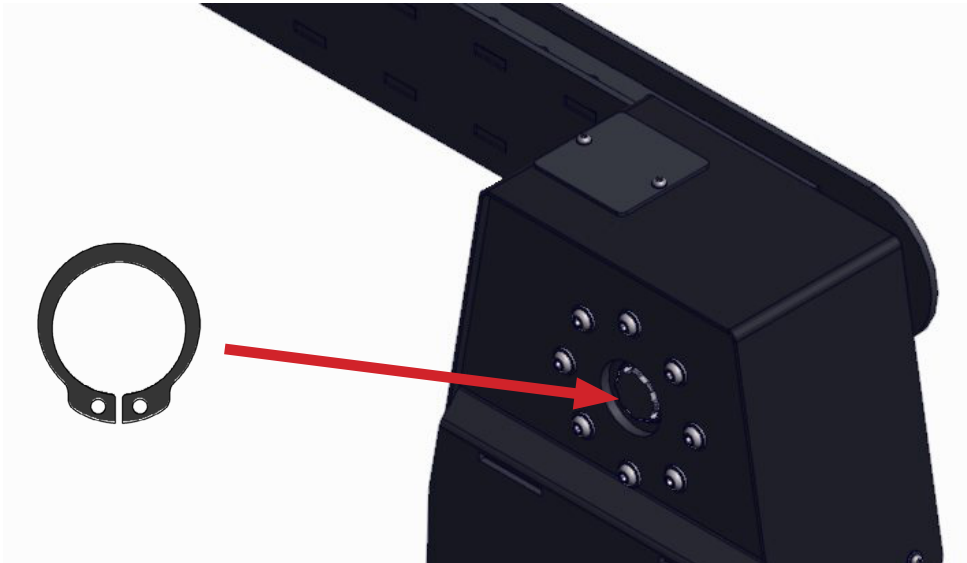
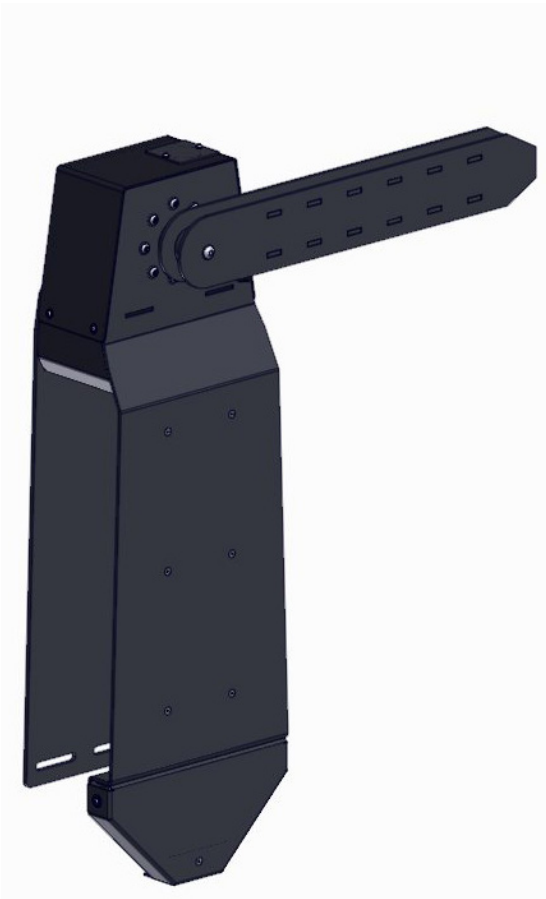
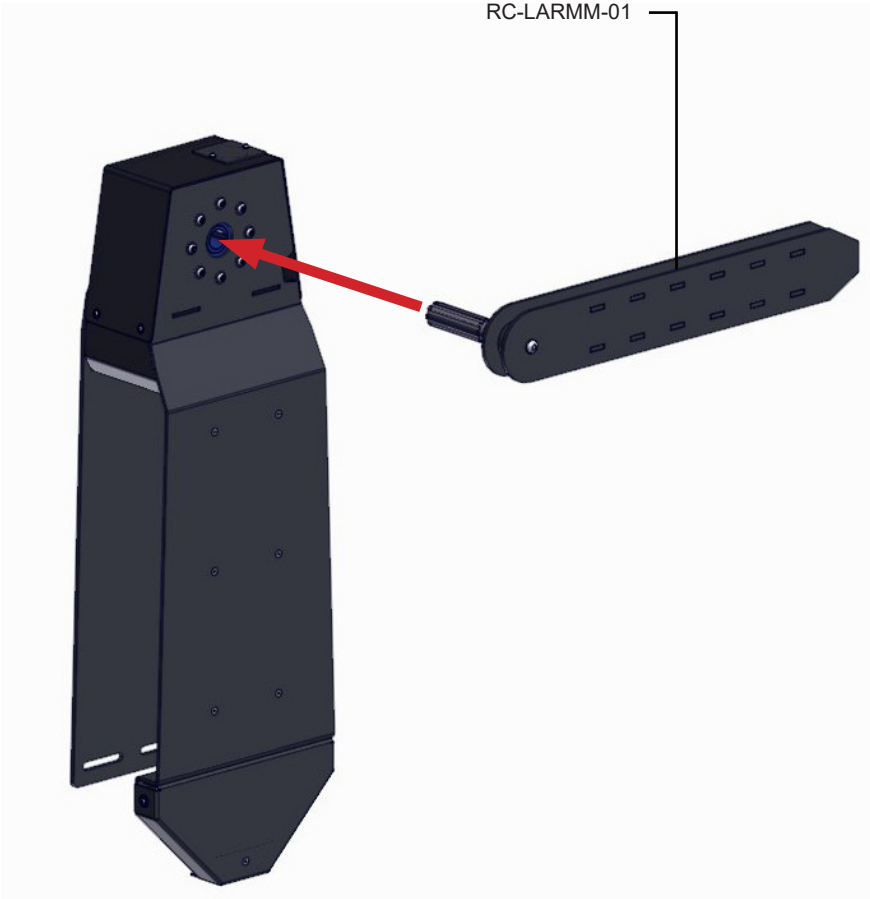


	SIZE	TYPE	QTY (PER KIT)
A	M6	CSK BOLT	2
B	M6	SET SCREW	4
C	M6	REPAIR WASHER	4

ENSURE COVER PLATE IS REFITTED
CORRECTLY AND SECURE

REPEAT ON OPPOSING SIDE

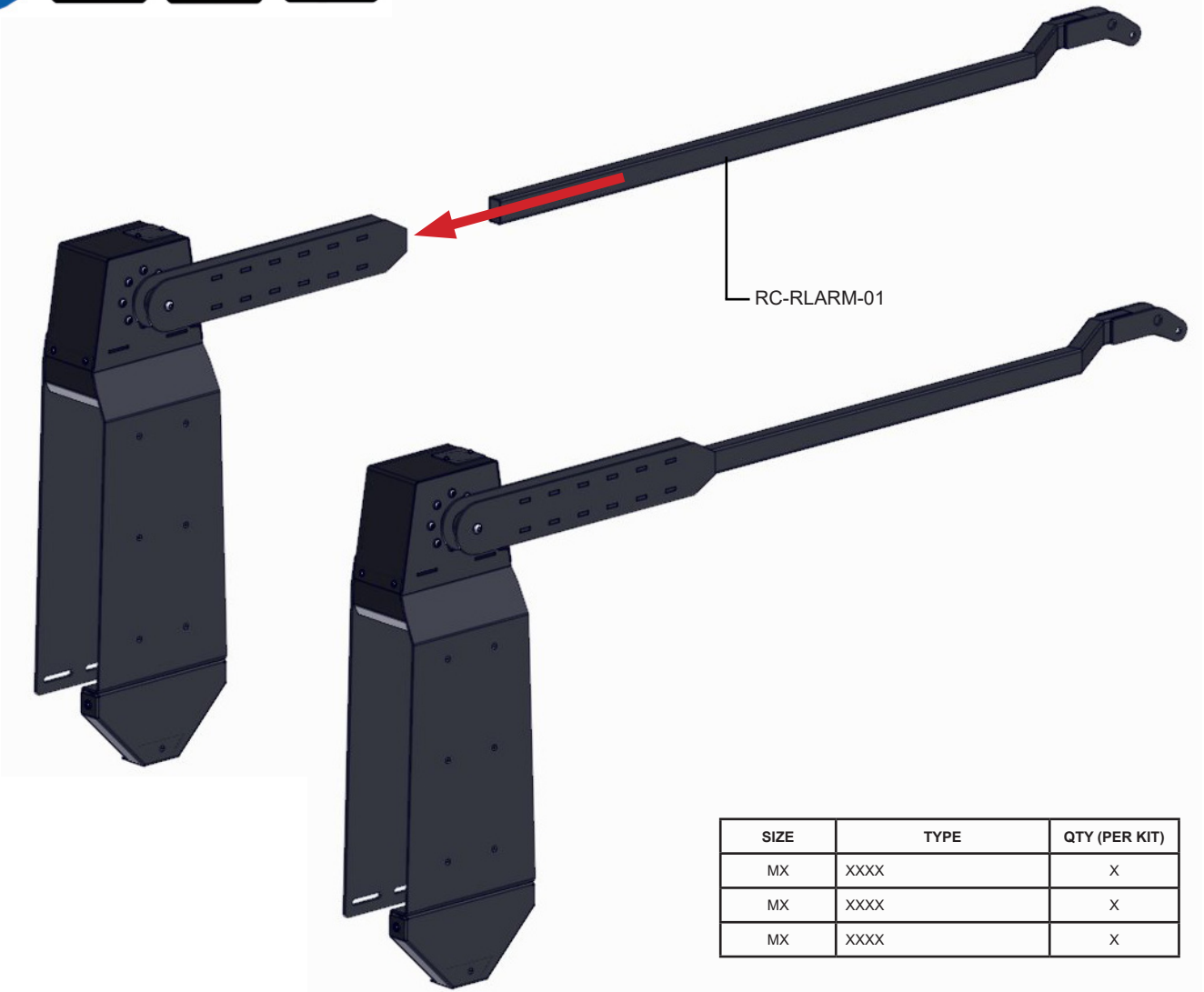
LOWER ARM INSTALLATION



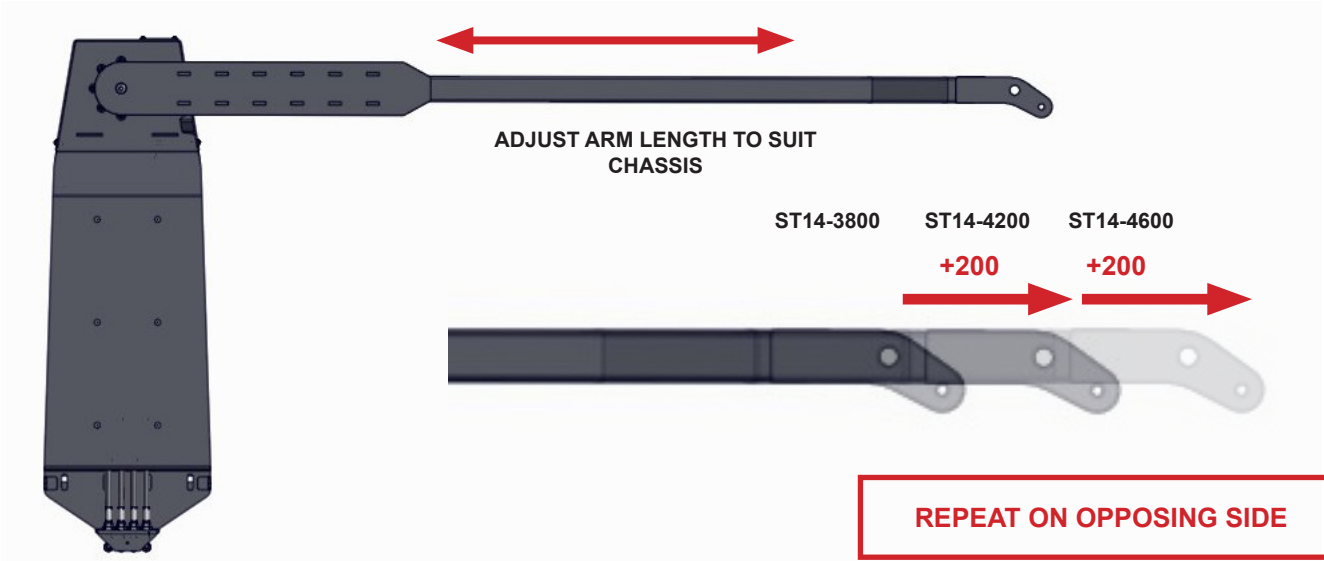
SIZE	TYPE	QTY (PER KIT)
MX	XXXX	2

REPEAT ON OPPOSING SIDE

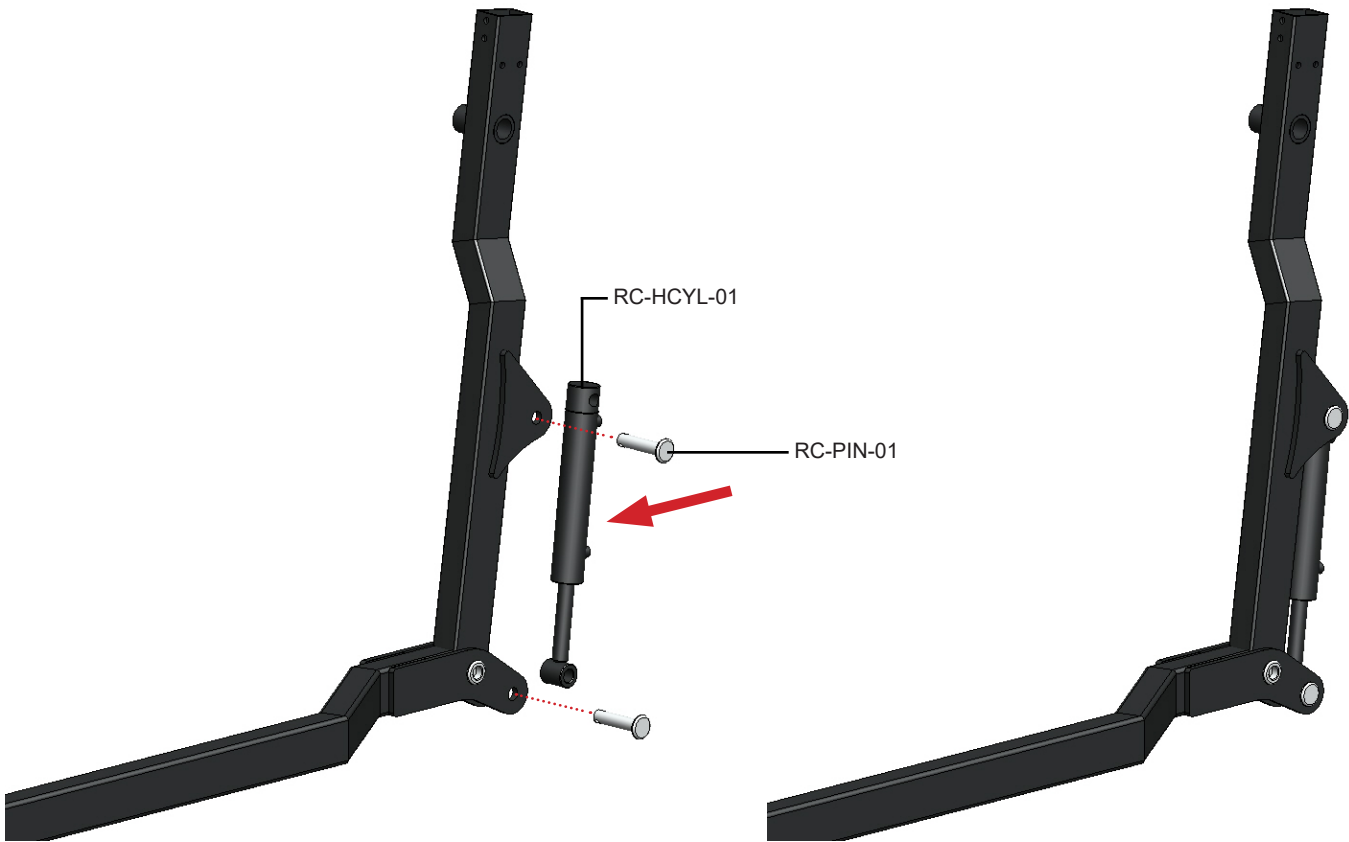
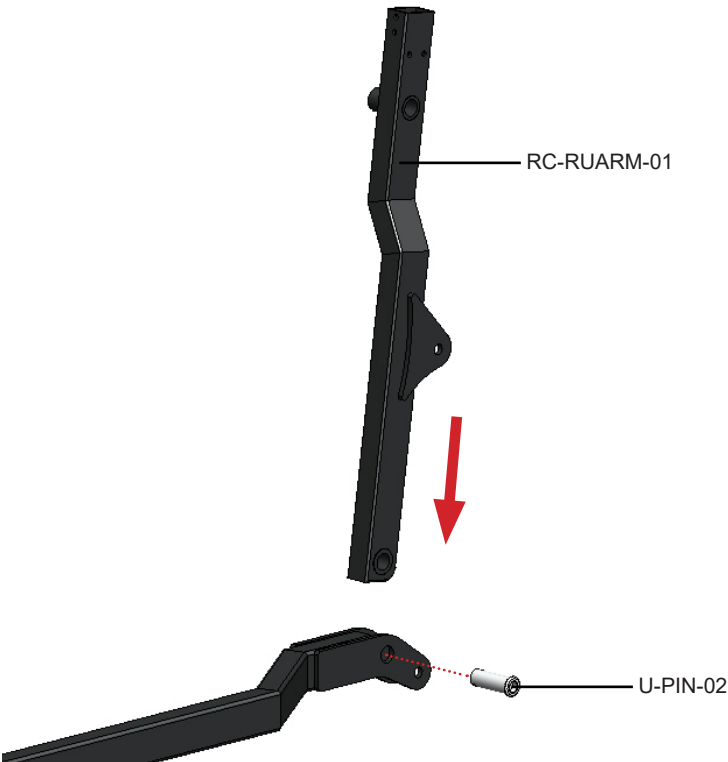
LOWER ARM INSTALLATION



SIZE	TYPE	QTY (PER KIT)
MX	XXXX	X
MX	XXXX	X
MX	XXXX	X



UPPER ARM INSTALLATION

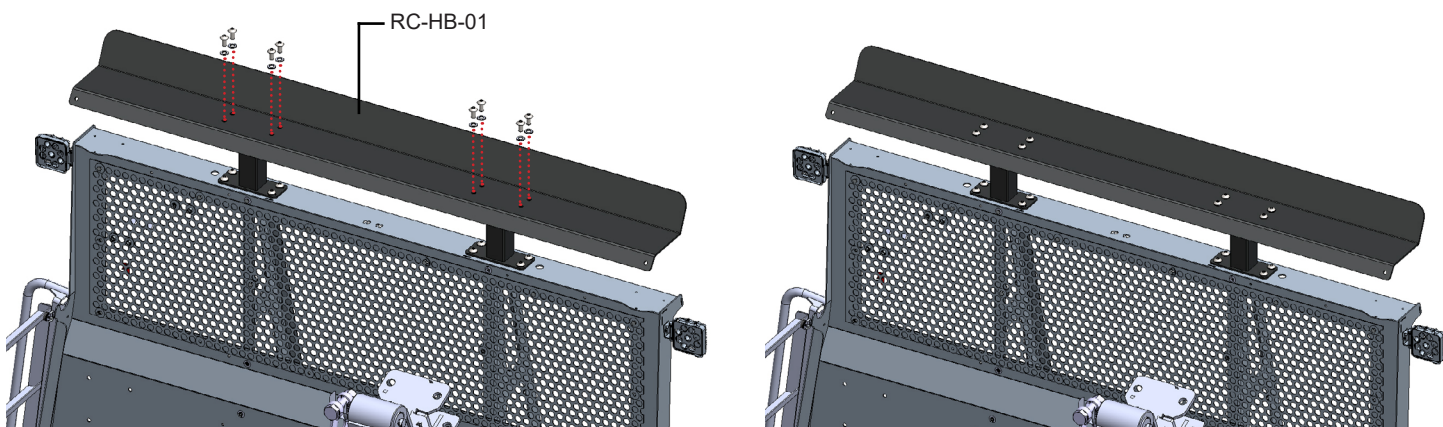
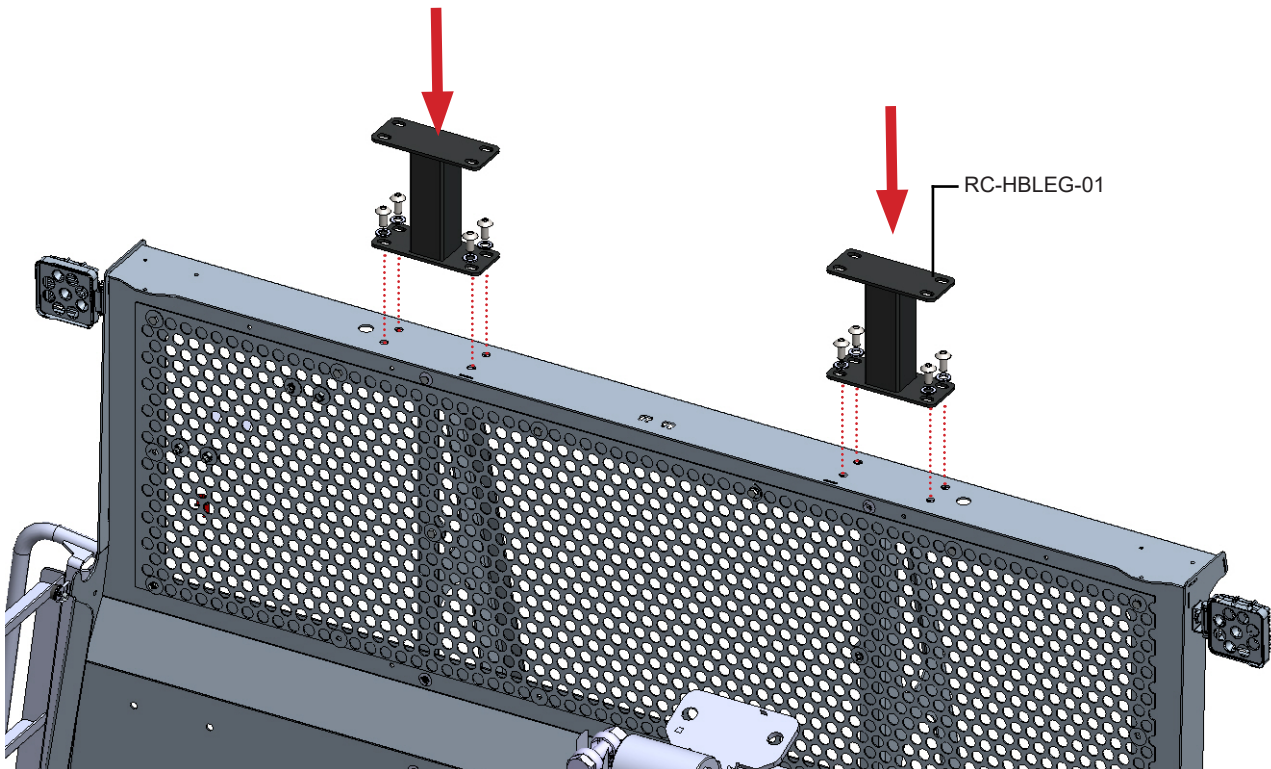


REPEAT ON OPPOSING SIDE

HEADBOARD LEG INSTALLATION



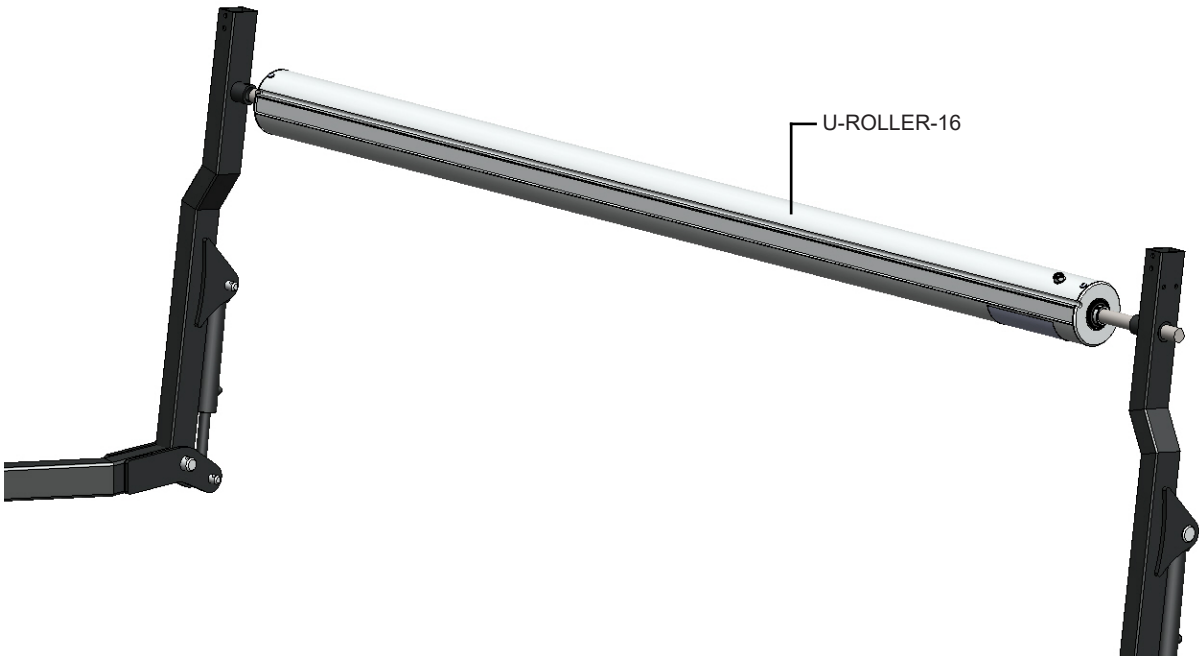
SIZE	TYPE	QTY (PER KIT)
M12 x 30	SET SCREW	16
M12	WASHER	32
M12	NYLOC	16



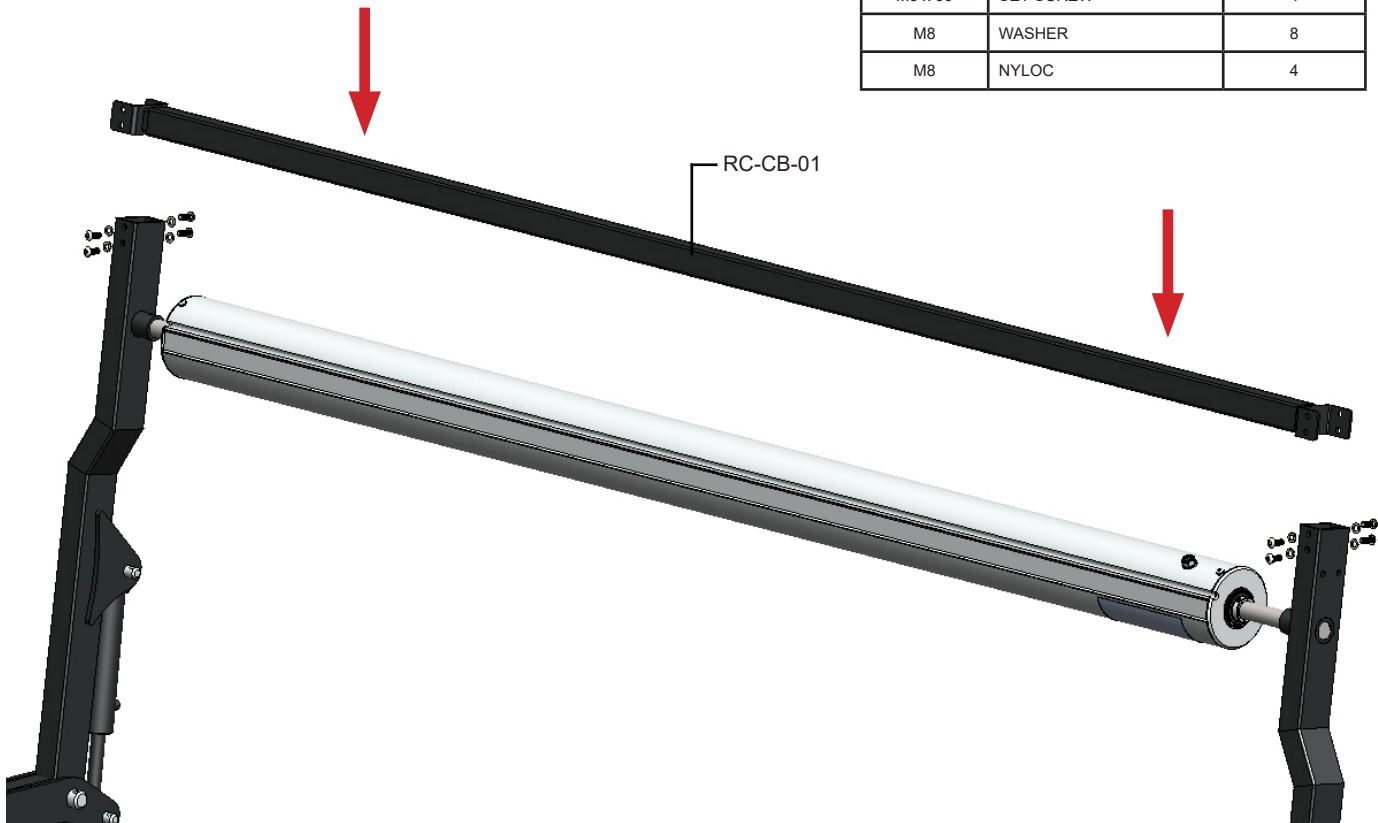
ROLLERBAR + CROSSBAR INSTALLATION



SIZE	TYPE	QTY (PER KIT)
M10 x 70	SET SCREW	2
M10	WASHER	4
M10	NYLOC	2



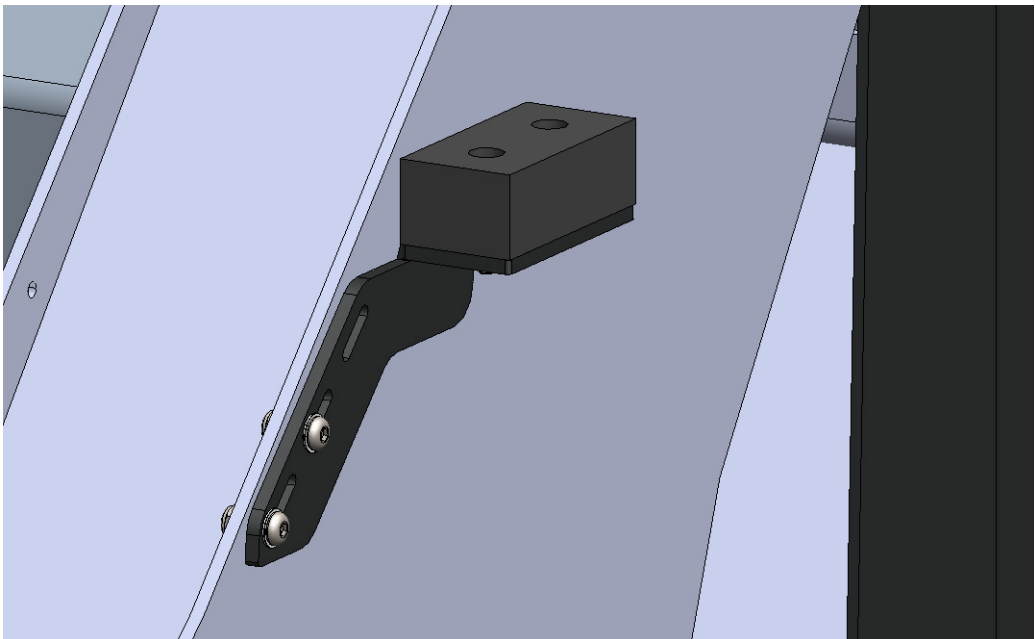
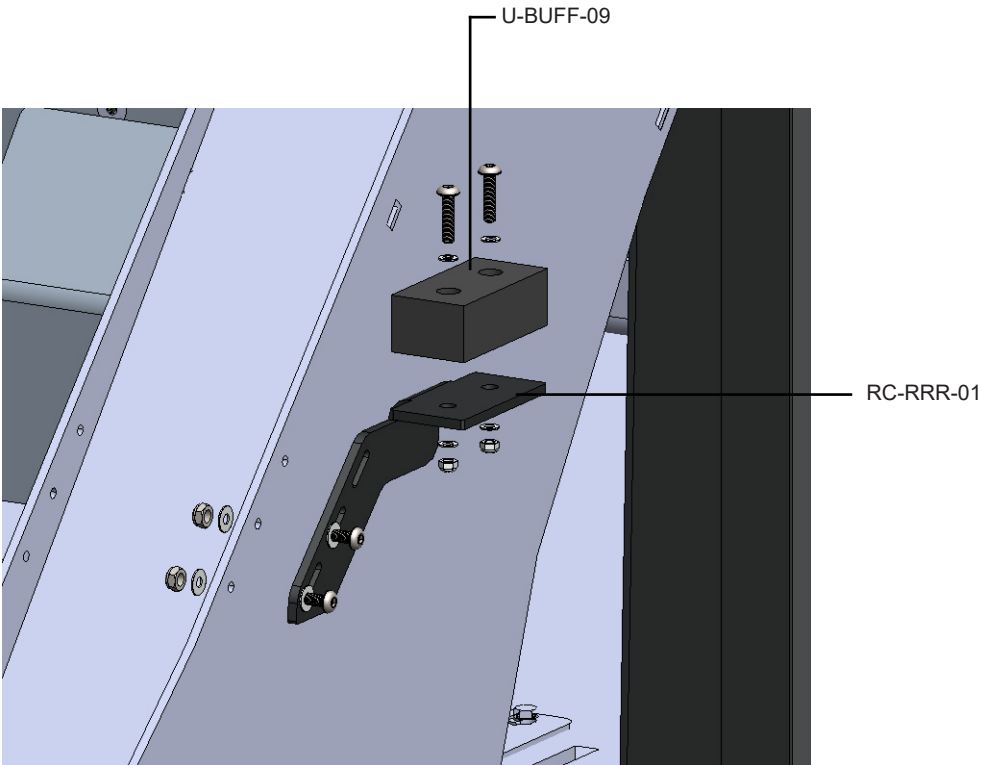
SIZE	TYPE	QTY (PER KIT)
M8 x 90	SET SCREW	4
M8	WASHER	8
M8	NYLOC	4



REAR STOP INSTALLATION



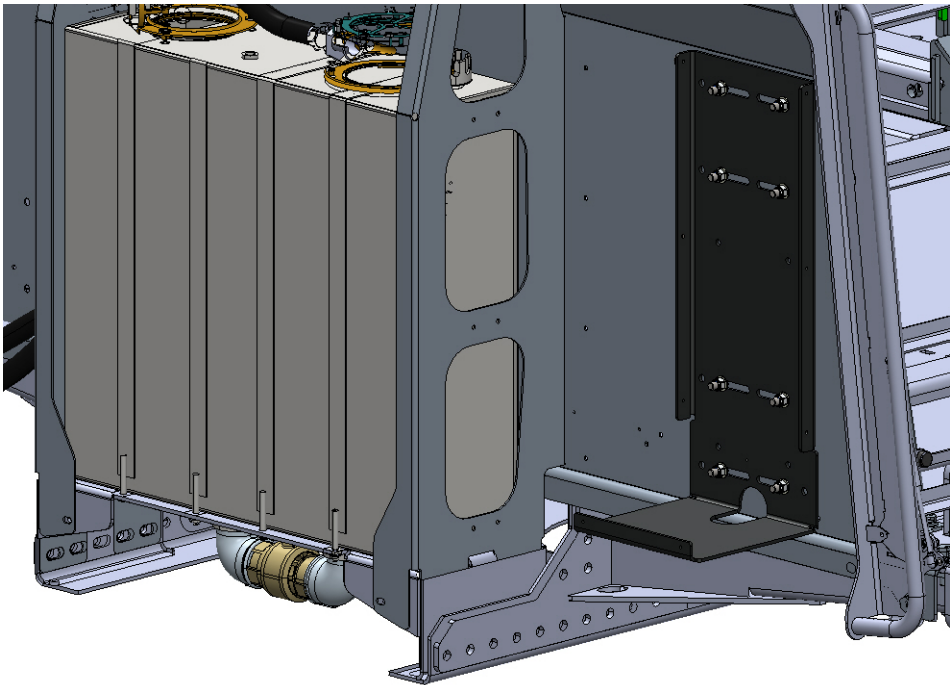
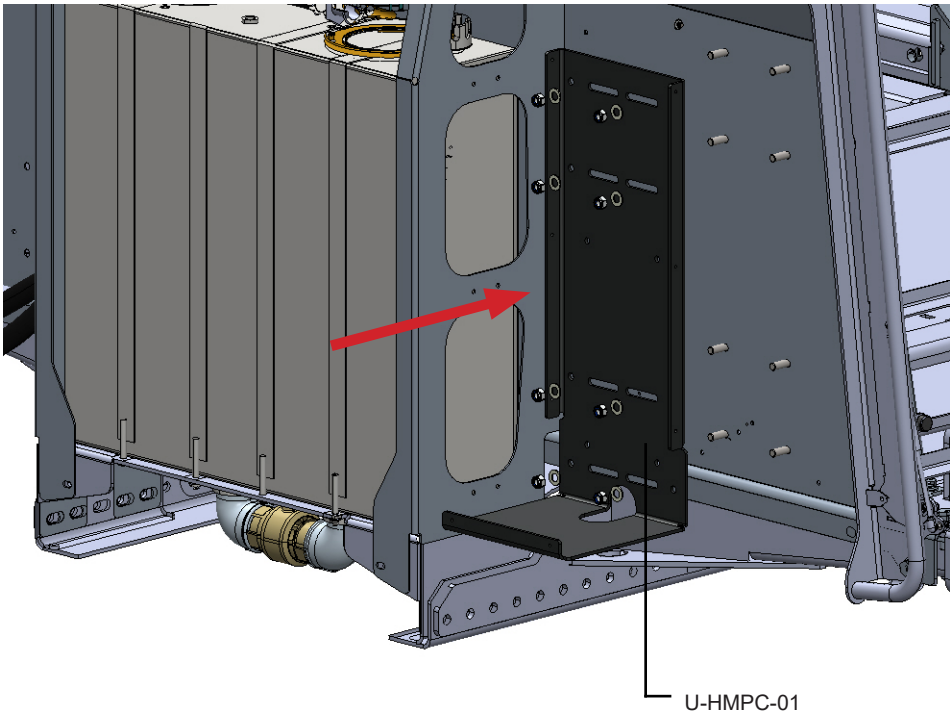
SIZE	TYPE	QTY (PER KIT)
M6 x 25	SET SCREW	6
M6	WASHER	12
M6	NYLOC	6



PUMP MOUNT INSTALLATION

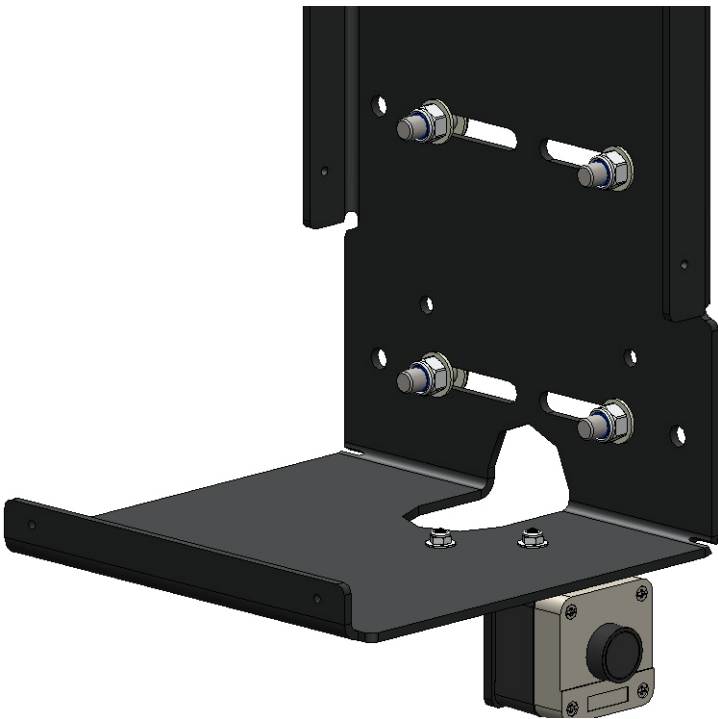
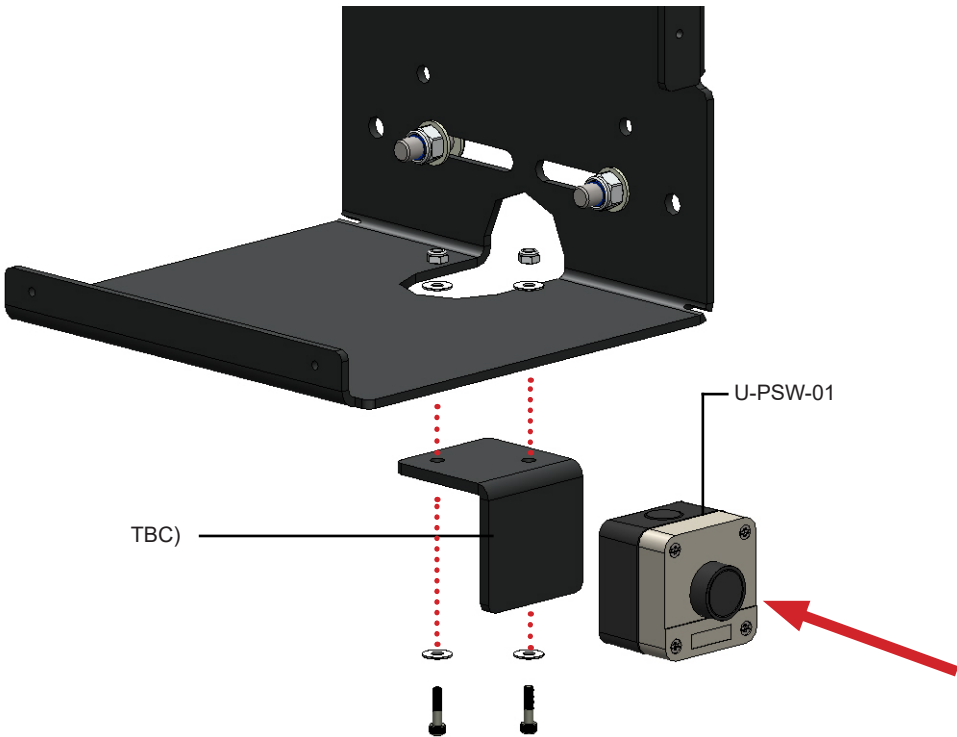


SIZE	TYPE	QTY (PER KIT)
M12 x 35	BOLT - DOME	8
M12	WASHER	16
M12	NYLOC	8



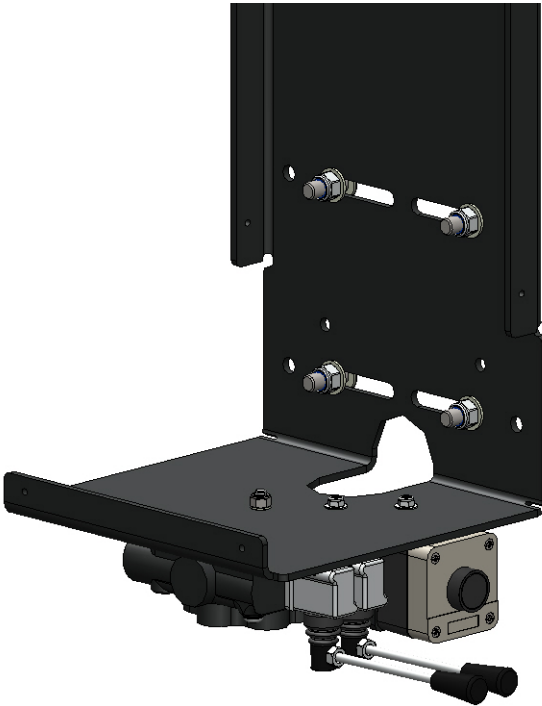
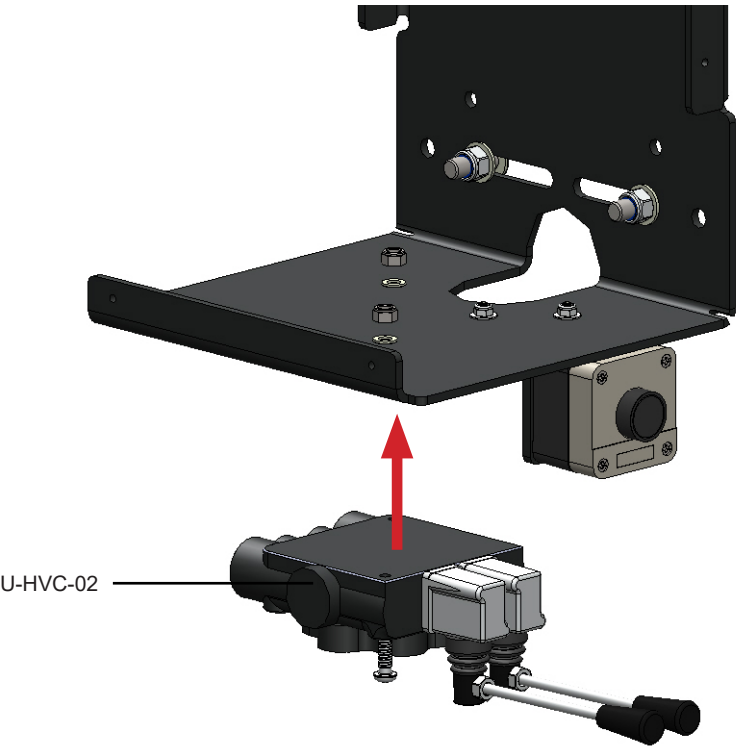


SIZE	TYPE	QTY (PER KIT)
M5 x 20	BOLT - DOME	2
M5	WASHER	4
M5	WASHER	2





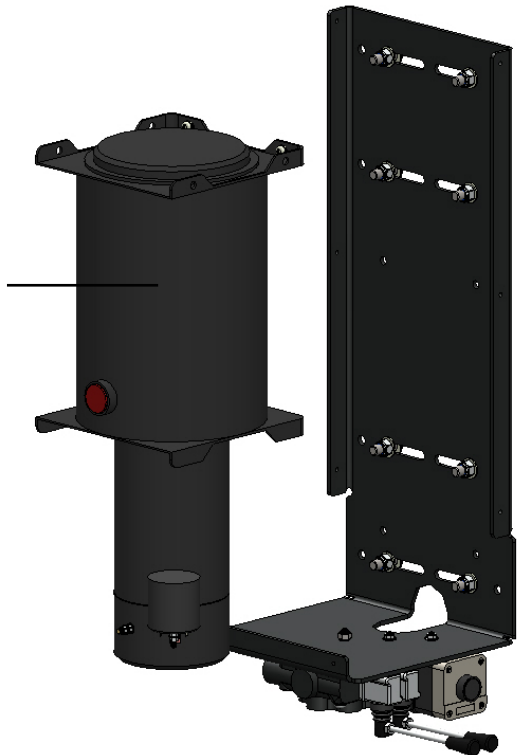
SIZE	TYPE	QTY (PER KIT)
M6 x 60	BOLT - DOME	2
M6	WASHER	4
M6	NYLOC	2



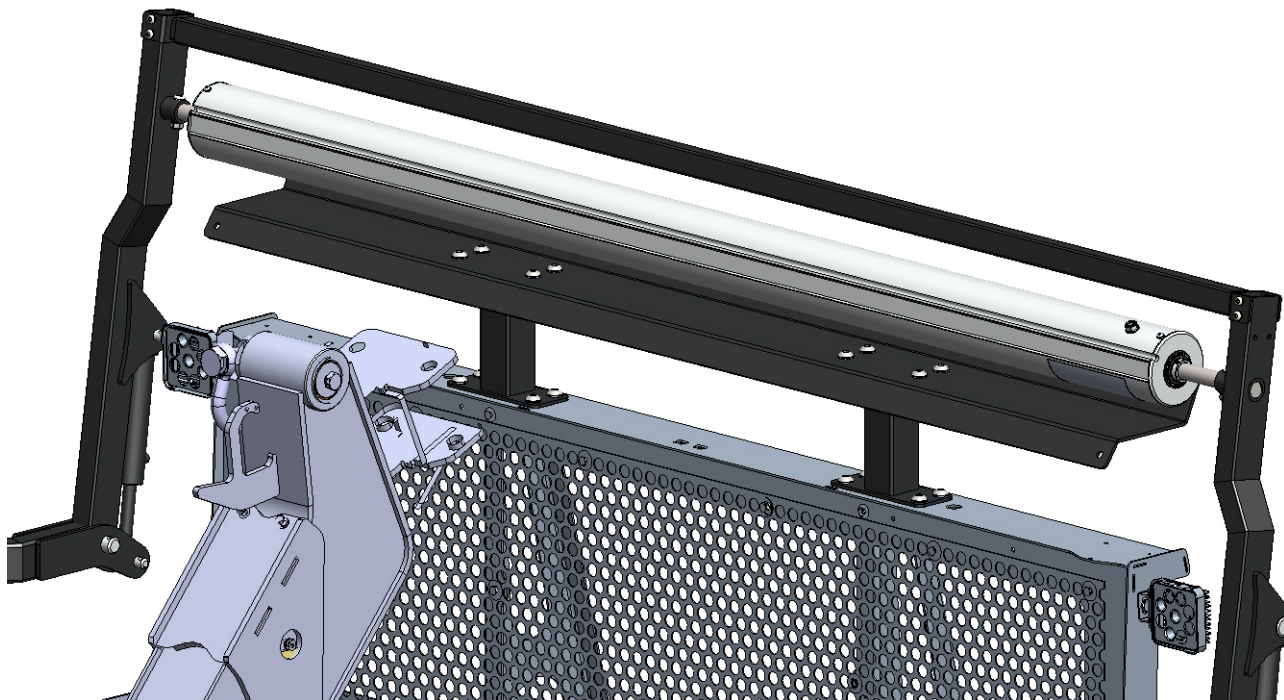


SIZE	TYPE	QTY (PER KIT)
M8 x 20	BOLT - DOME	4
M8	WASHER	8
M8	NYLOC	4

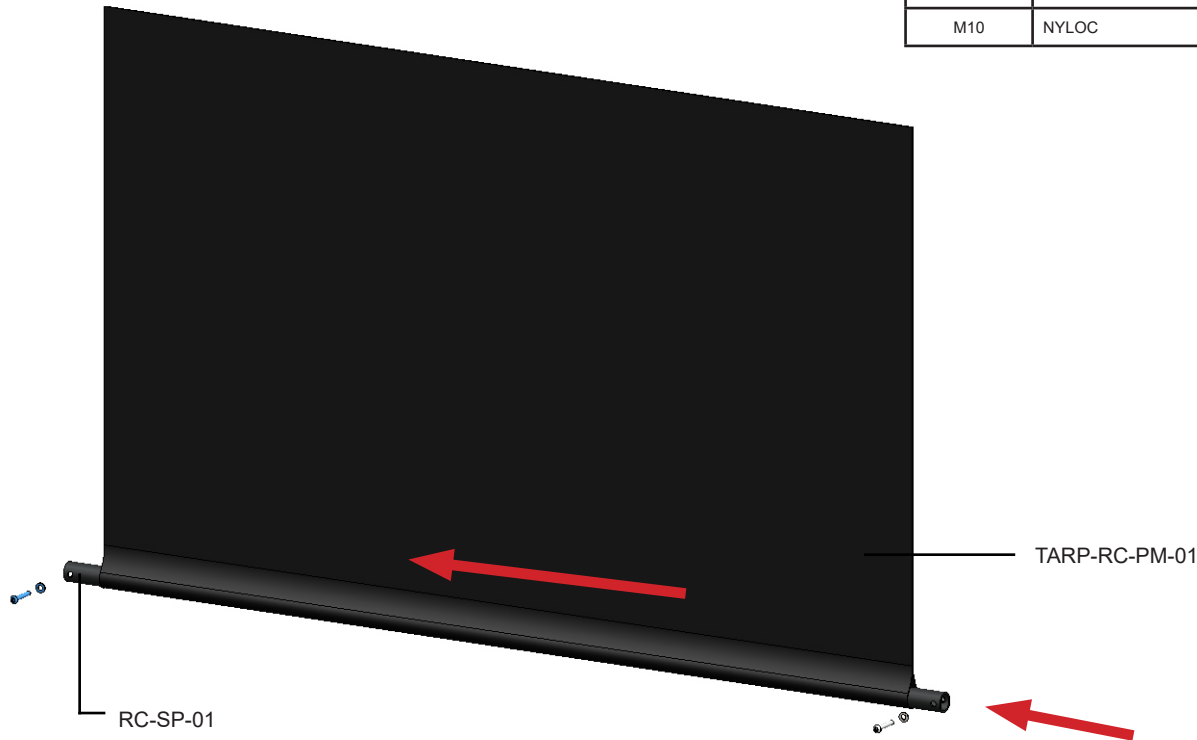
U-HPUMP-05

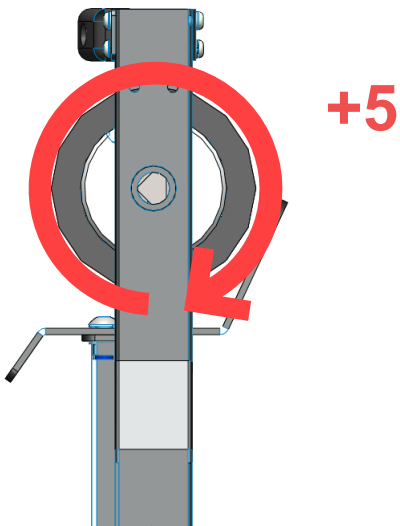
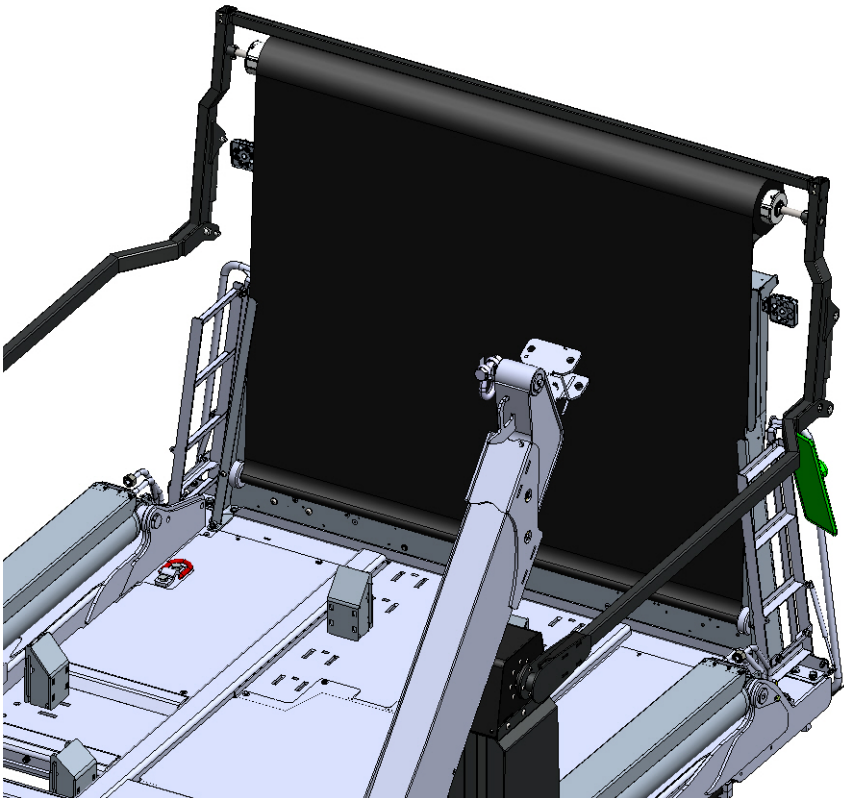
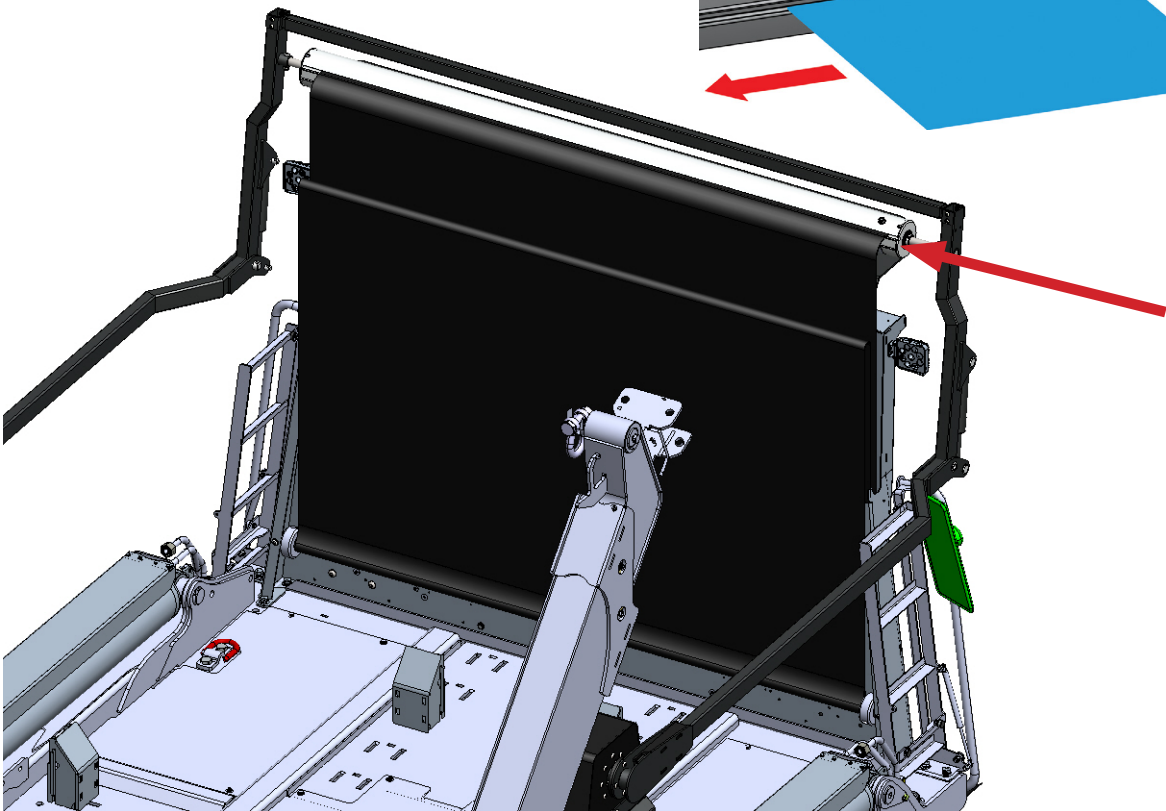
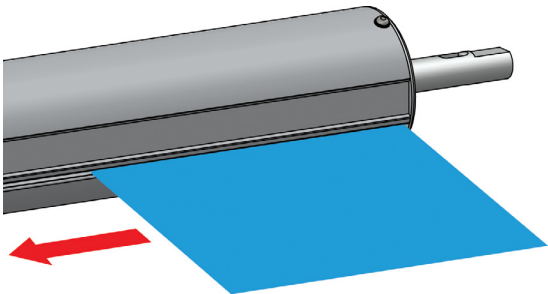


TARP INSTALLATION



SIZE	TYPE	QTY (PER KIT)
M10 x 60	BOLT - DOME	2
M10	WASHER	4
M10	NYLOC	2

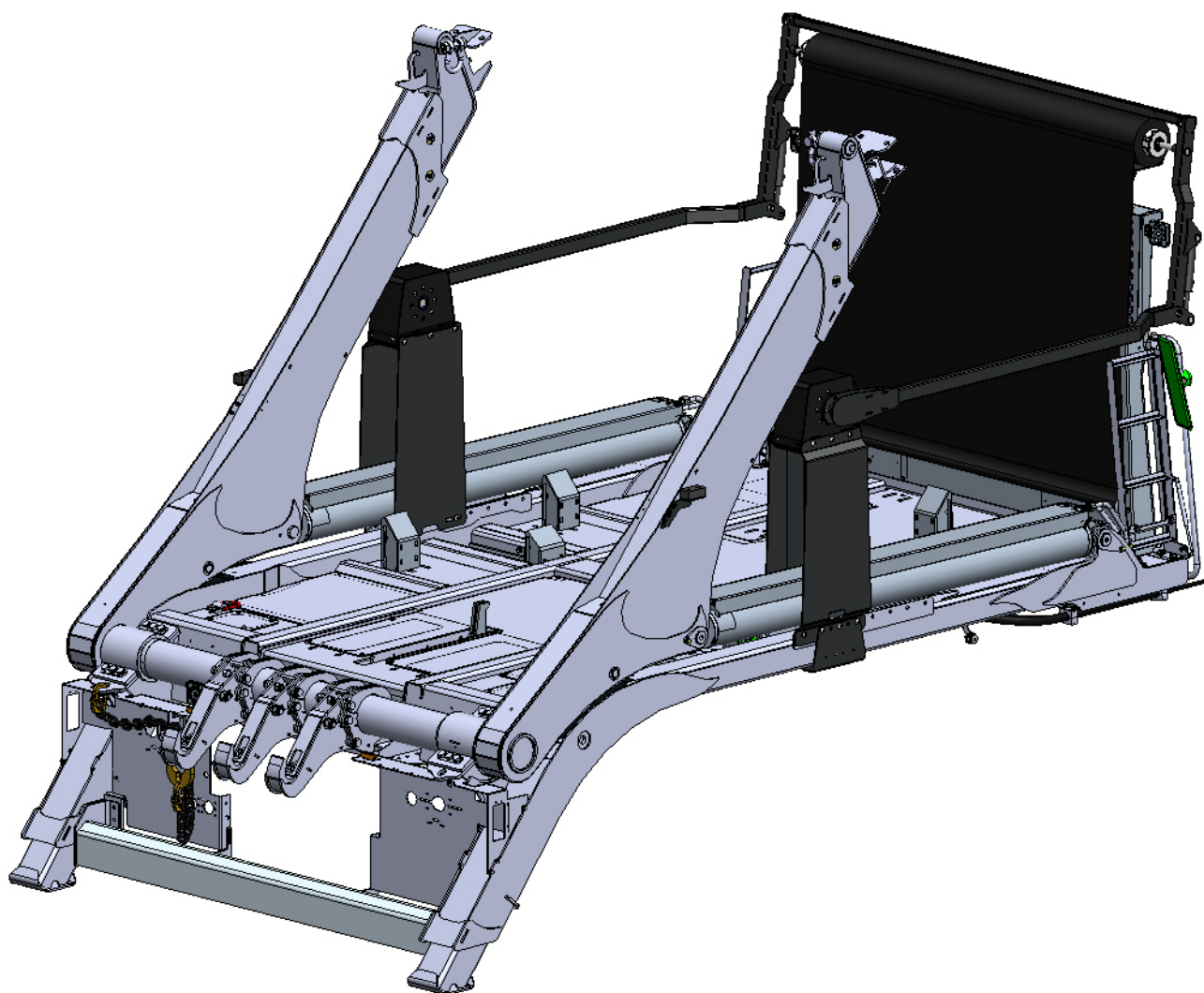




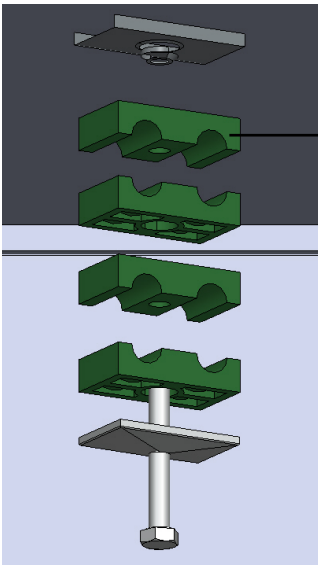
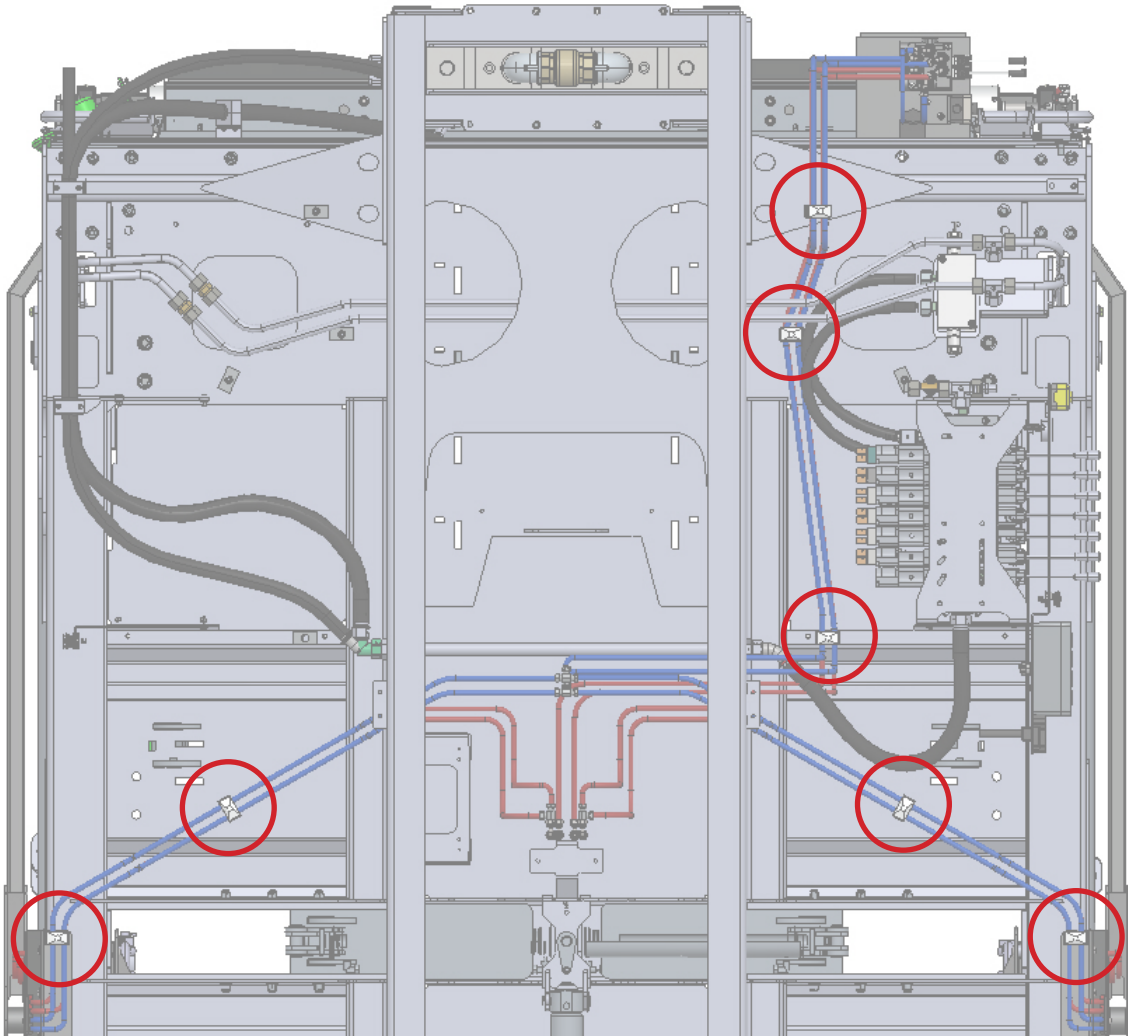
TO TENSION ROLLERBAR

ROTATE ROLLERBAR UNTIL TARP IS TAUT - THEN INITIALLY ADD +5 MORE ROTATIONS. ADDITIONAL ROTATIONS MAY BE REQUIRED AFTER TESTING

FRAMEWORK INSTALLATION COMPLETE

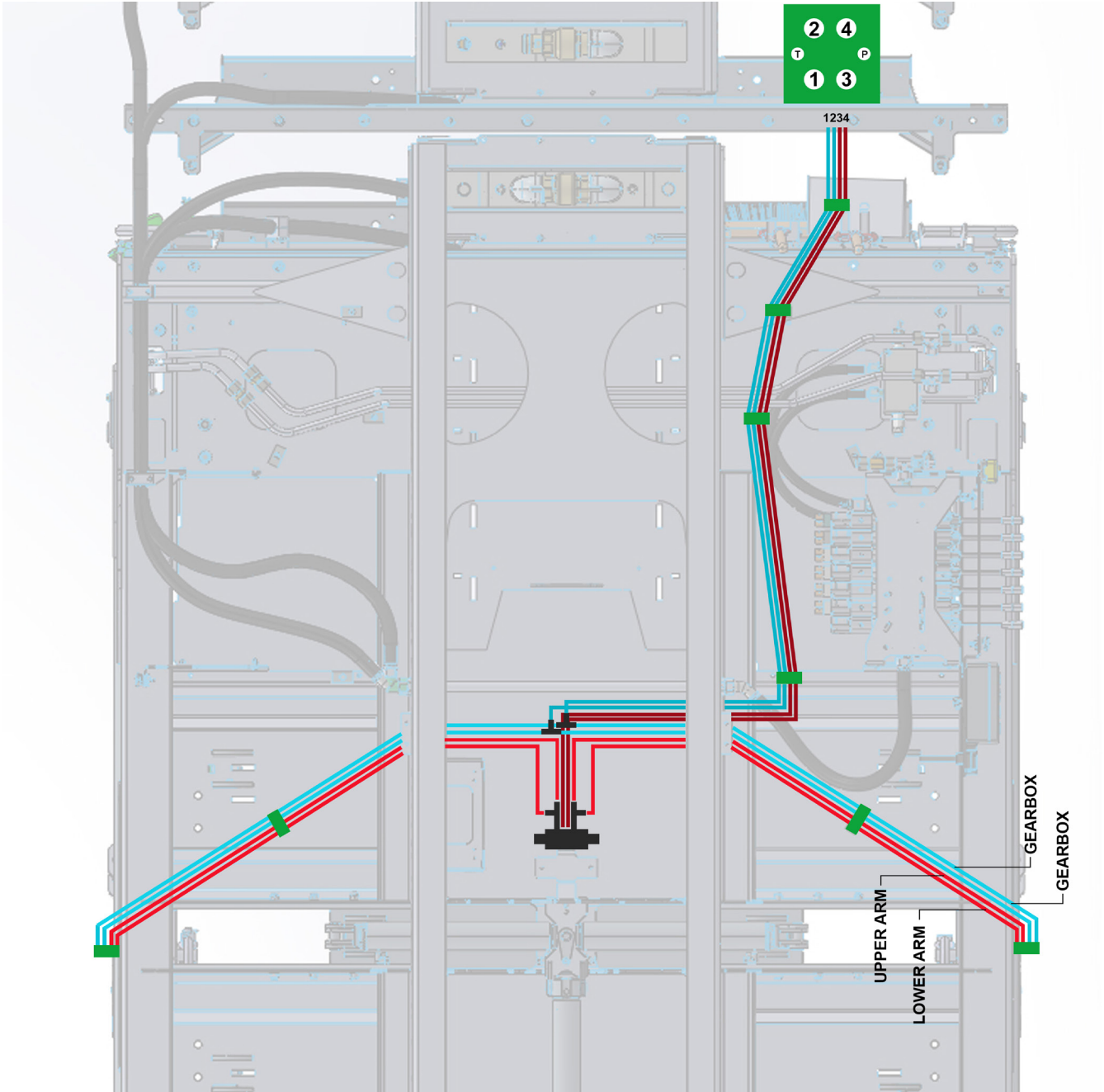


HYDRAULIC HOSE - CLAMP INSTALLATION

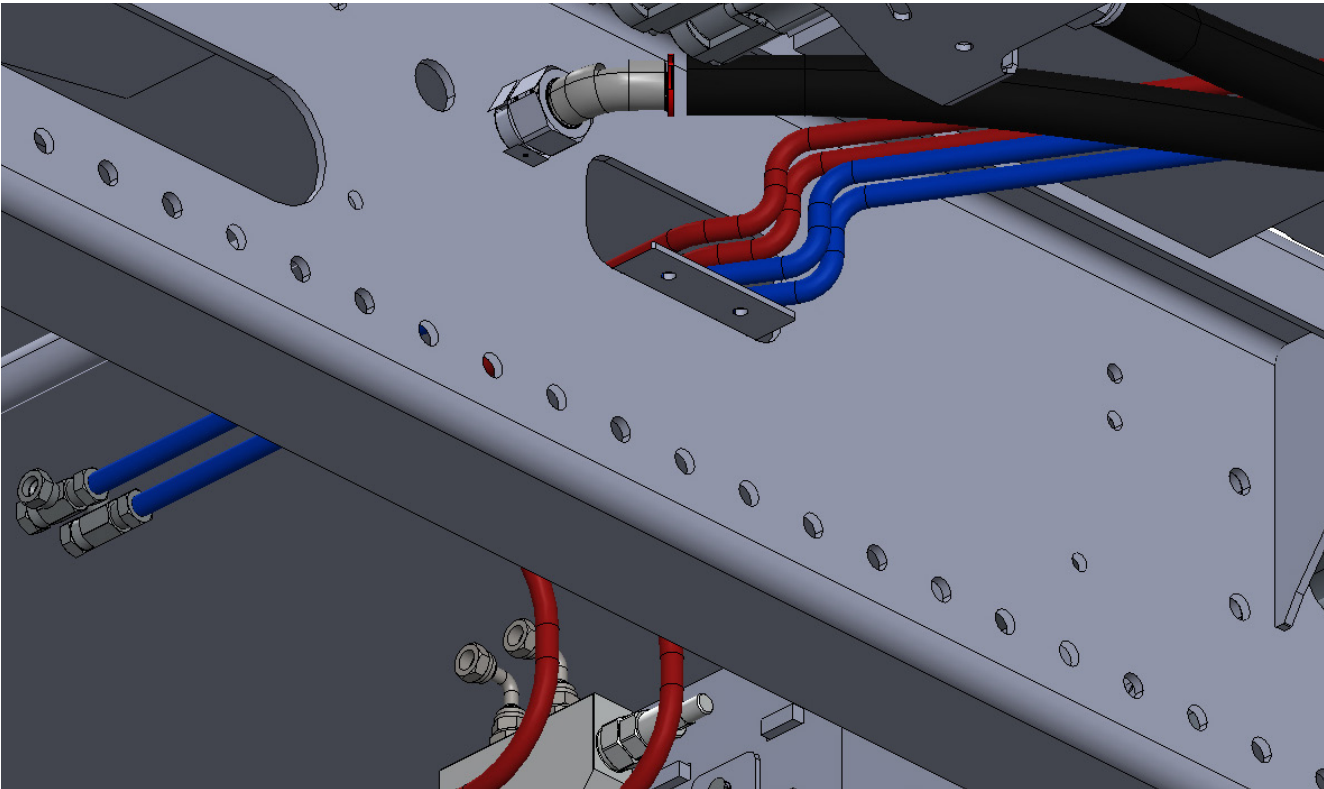
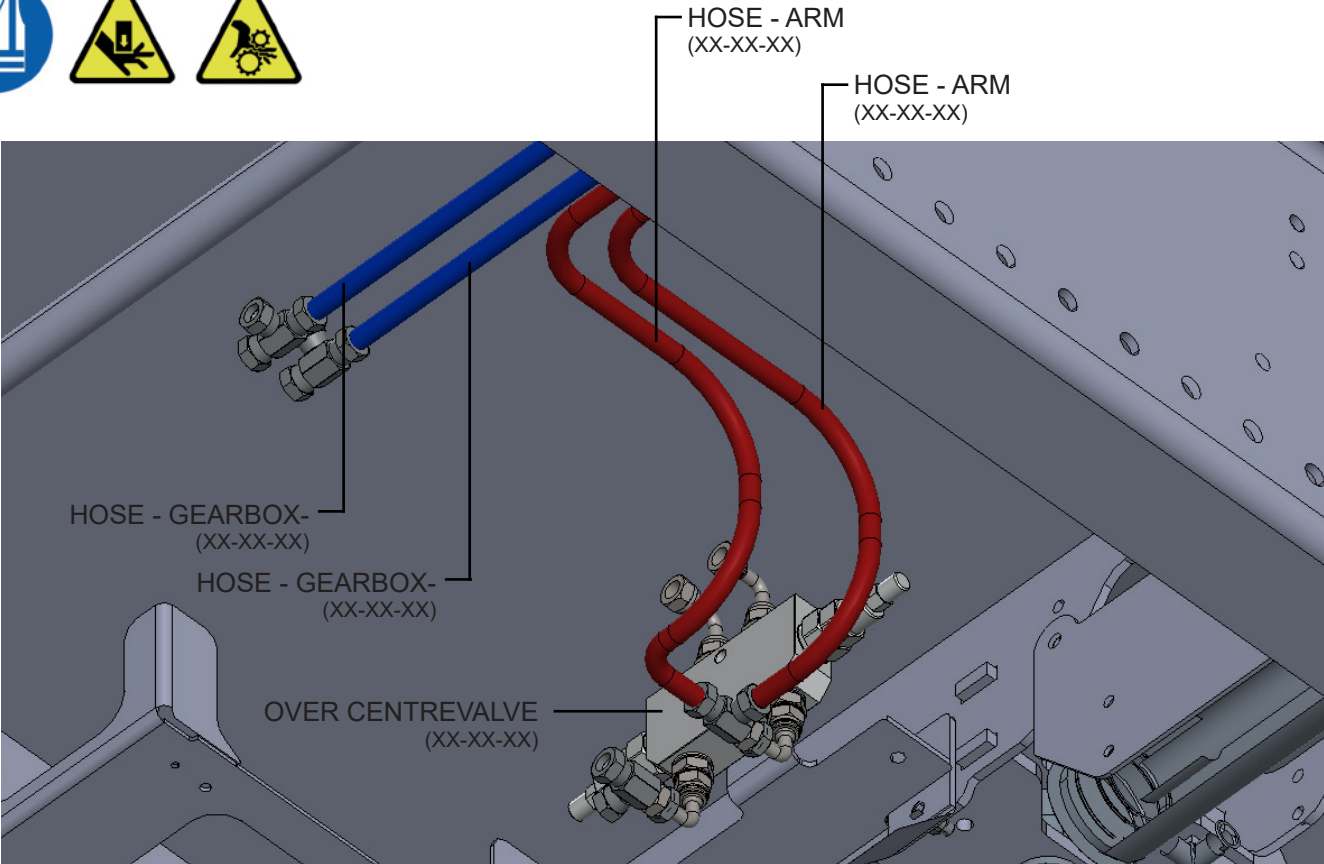


HOSE CLAMP
(XX-XX-XX)

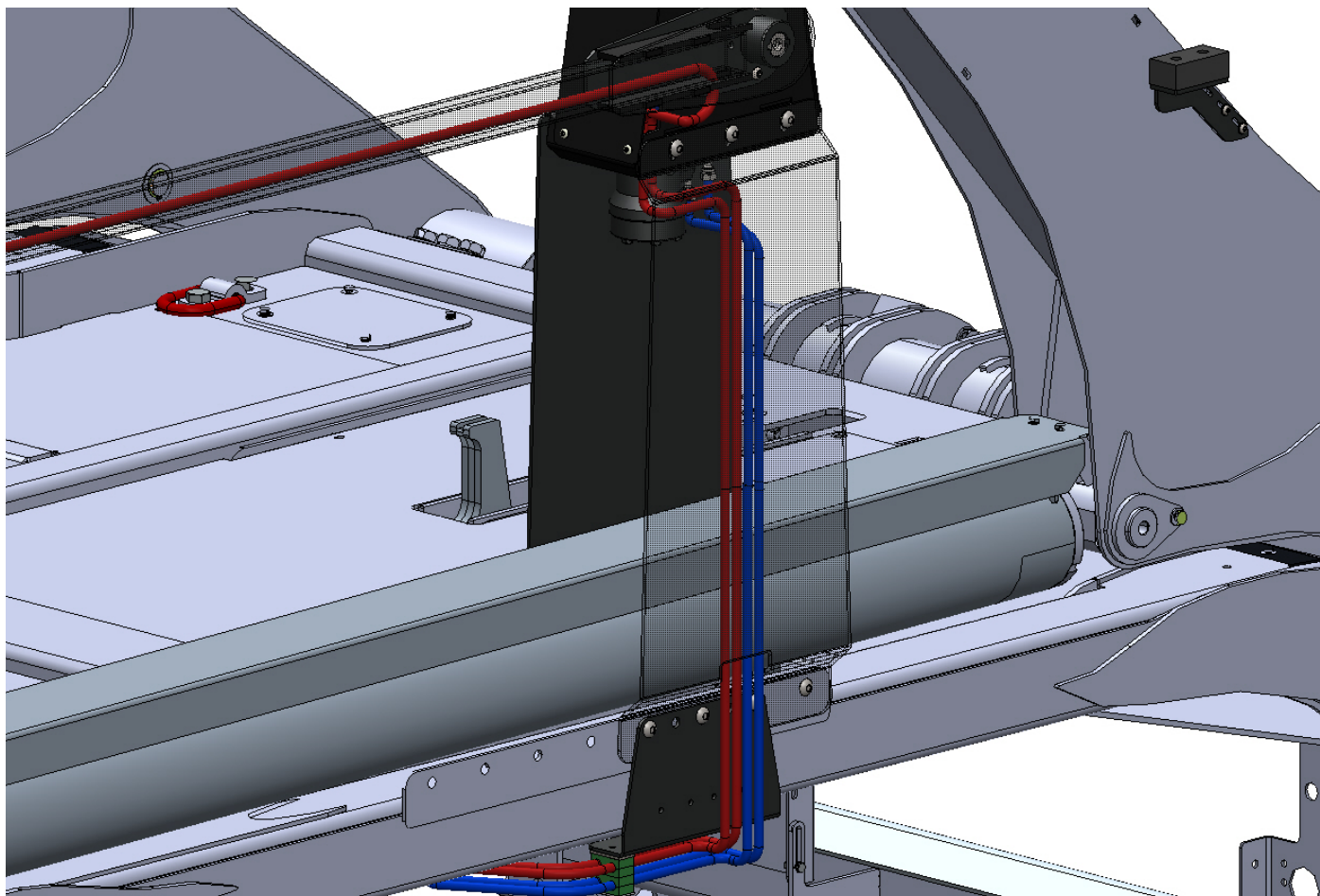
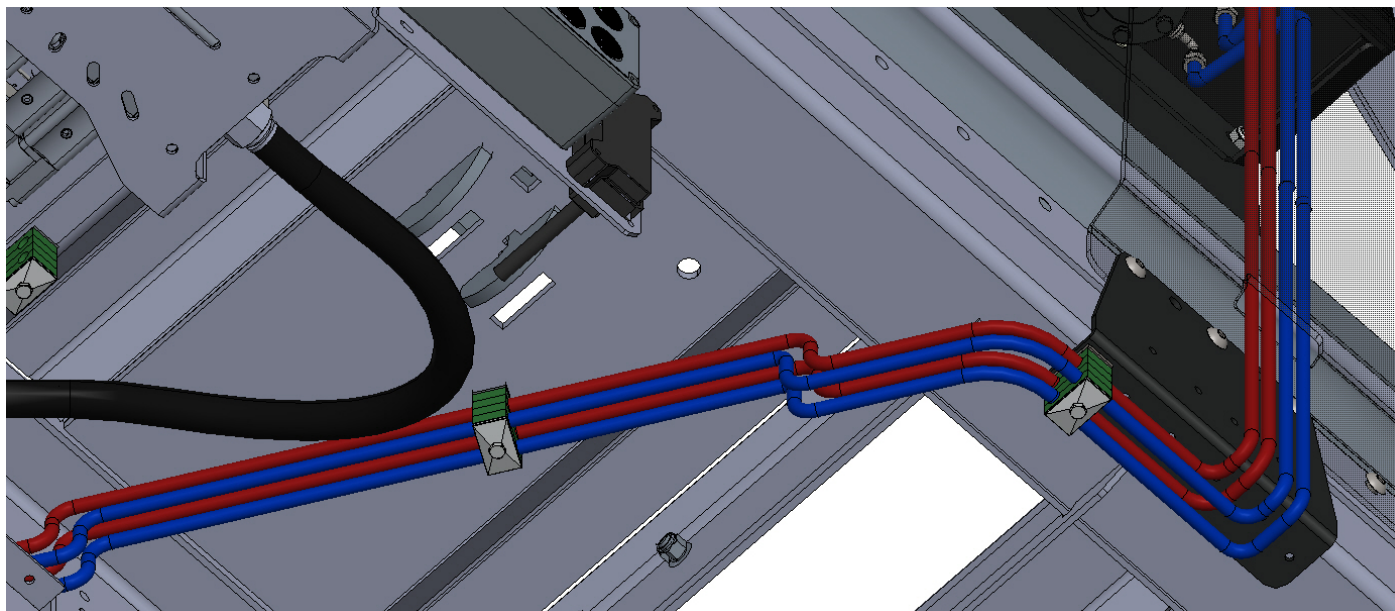
HYDRAULIC DIAGRAM



HYDRAULIC HOSE - ROUTING



HYDRAULIC HOSE - ROUTING



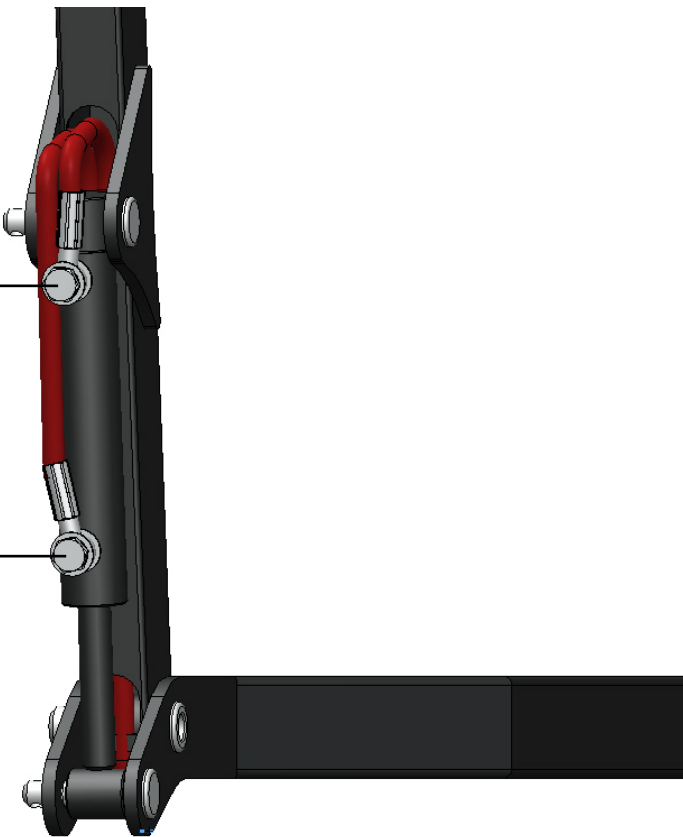
HYDRAULIC HOSE - ROUTING



BANJO FITTING
(XX-XX-XX)

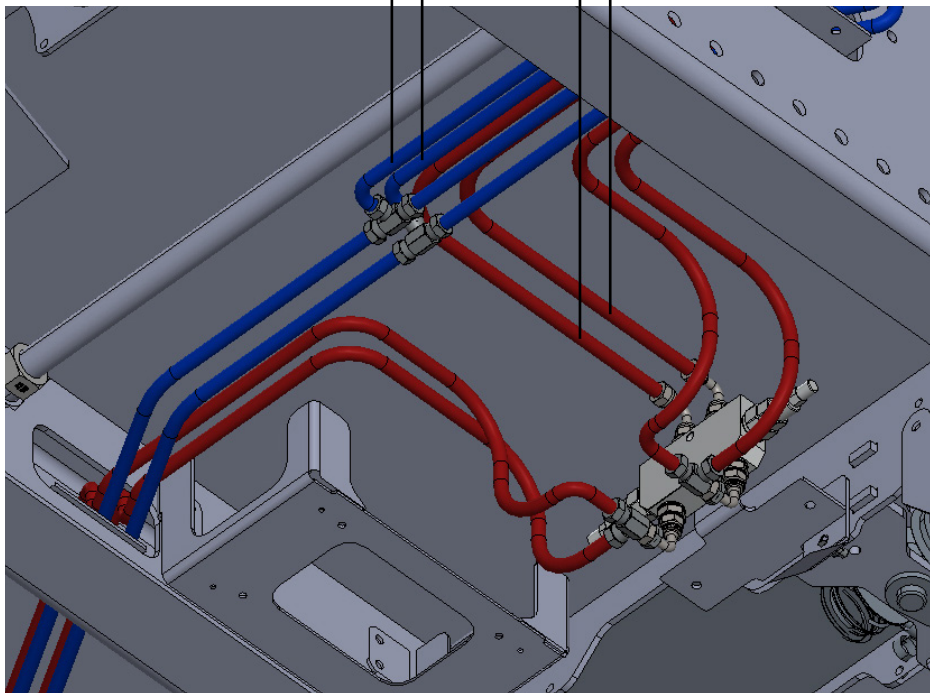
BANJO FITTING
(XX-XX-XX)

REPEAT ON OPPOSING SIDE

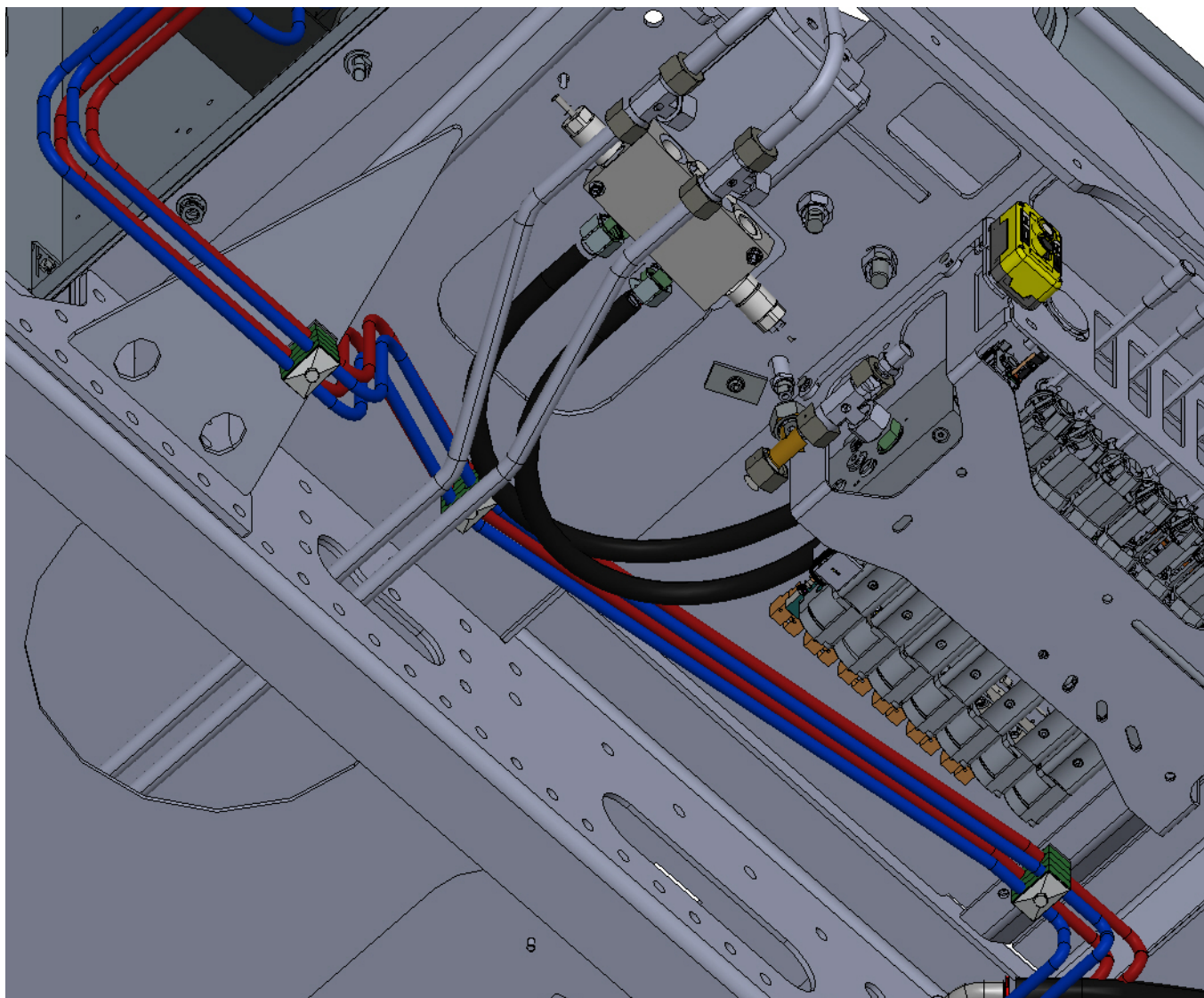


HOSE - GEARBOX (TO PUMP)
(XX-XX-XX)

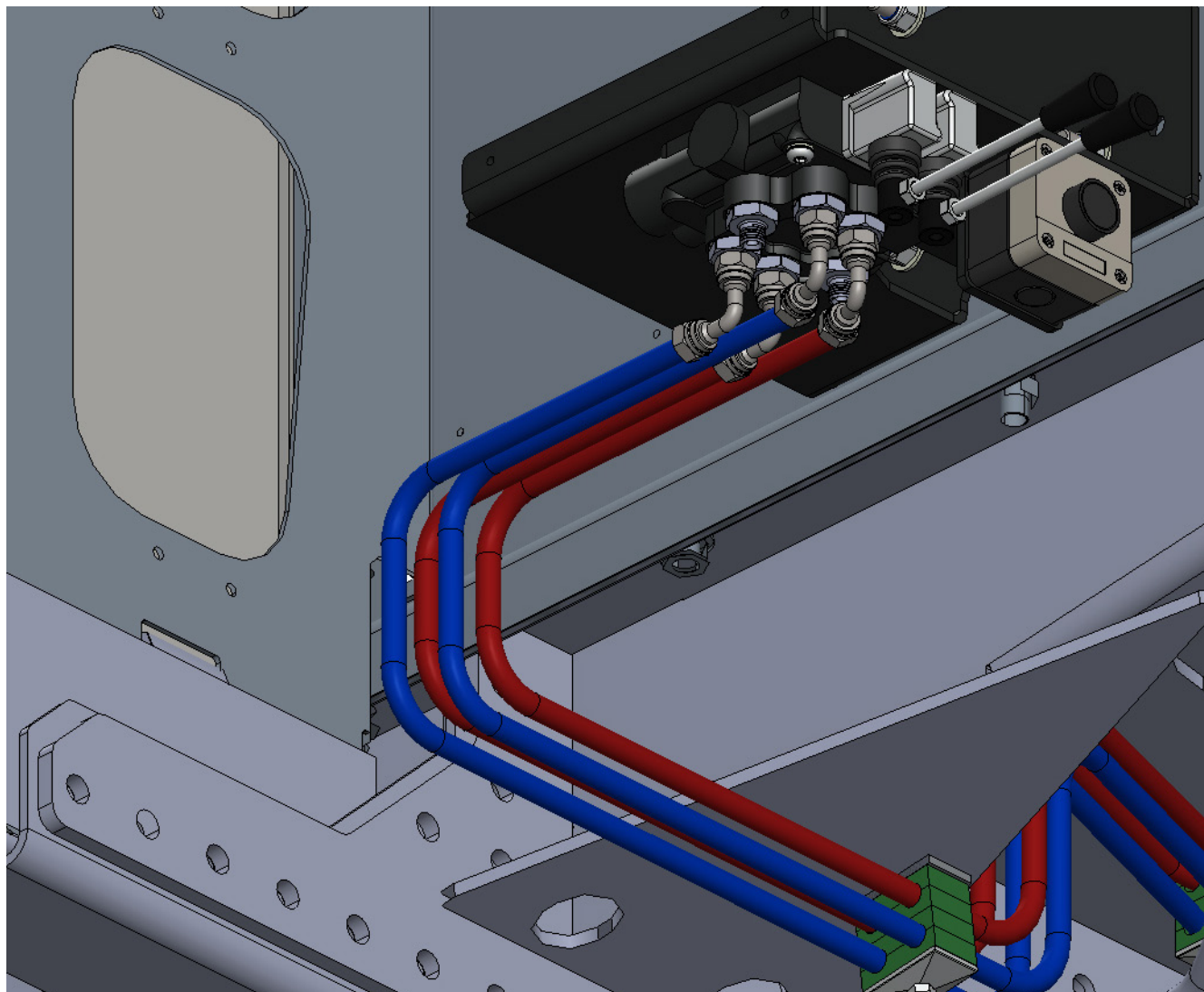
HOSE - ARMS (TO PUMP)
(XX-XX-XX)



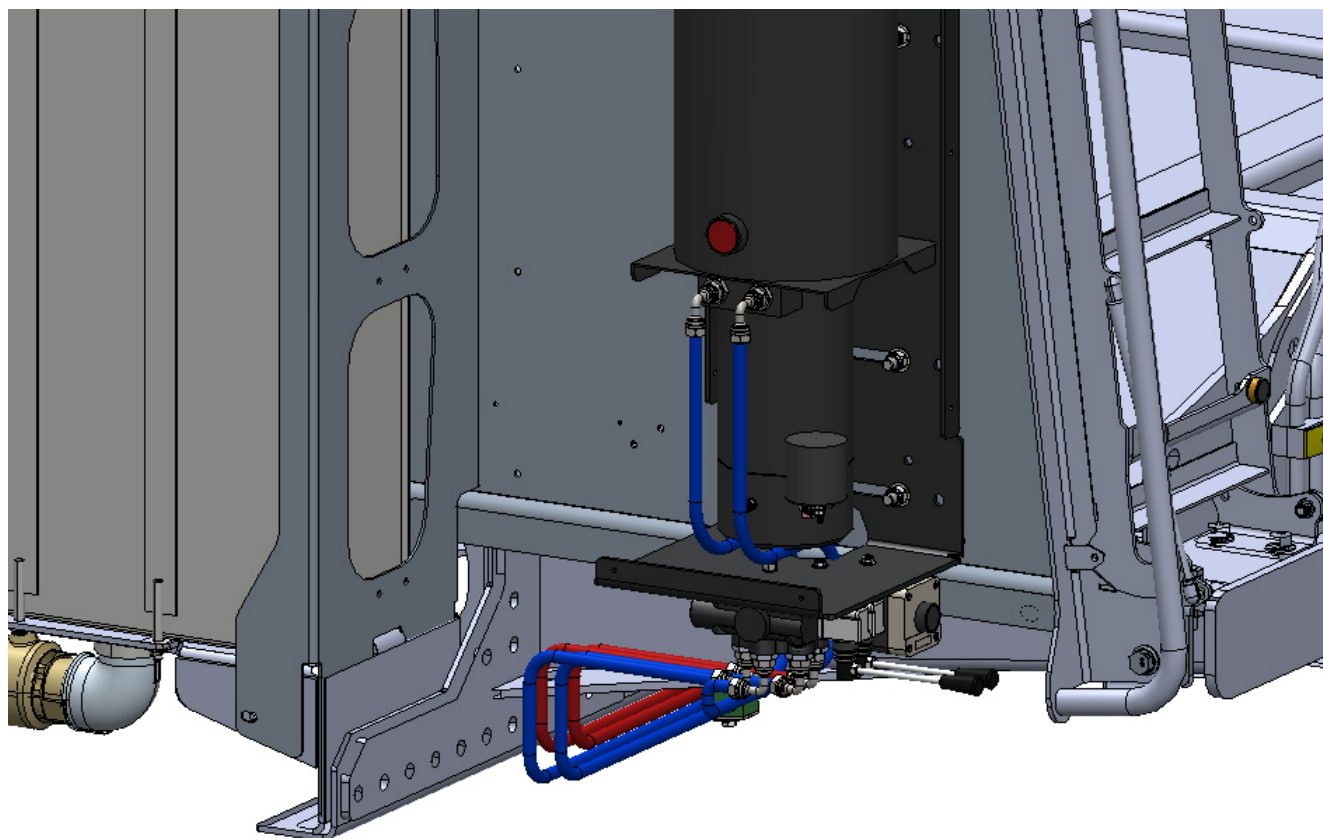
HYDRAULIC HOSE - ROUTING



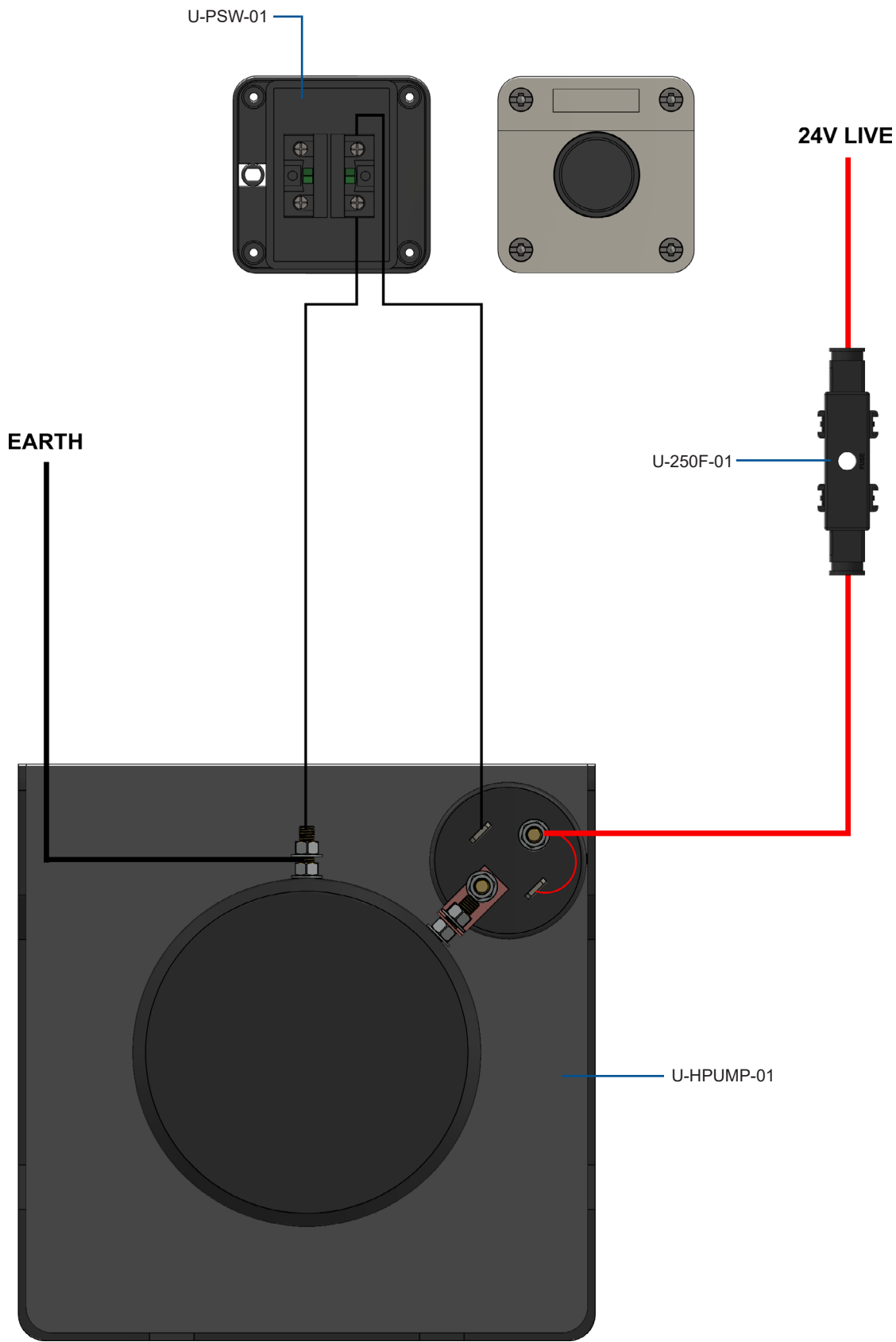
HYDRAULIC HOSE - ROUTING



HYDRAULIC HOSE - ROUTING

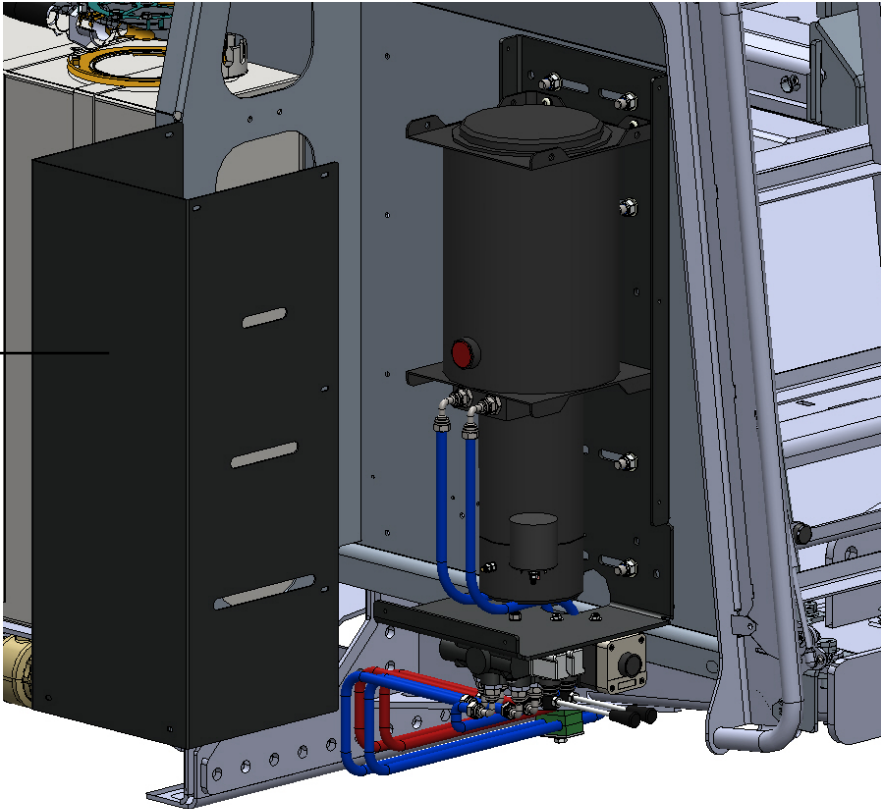


PUMP - ELECTRICAL CIRCUIT

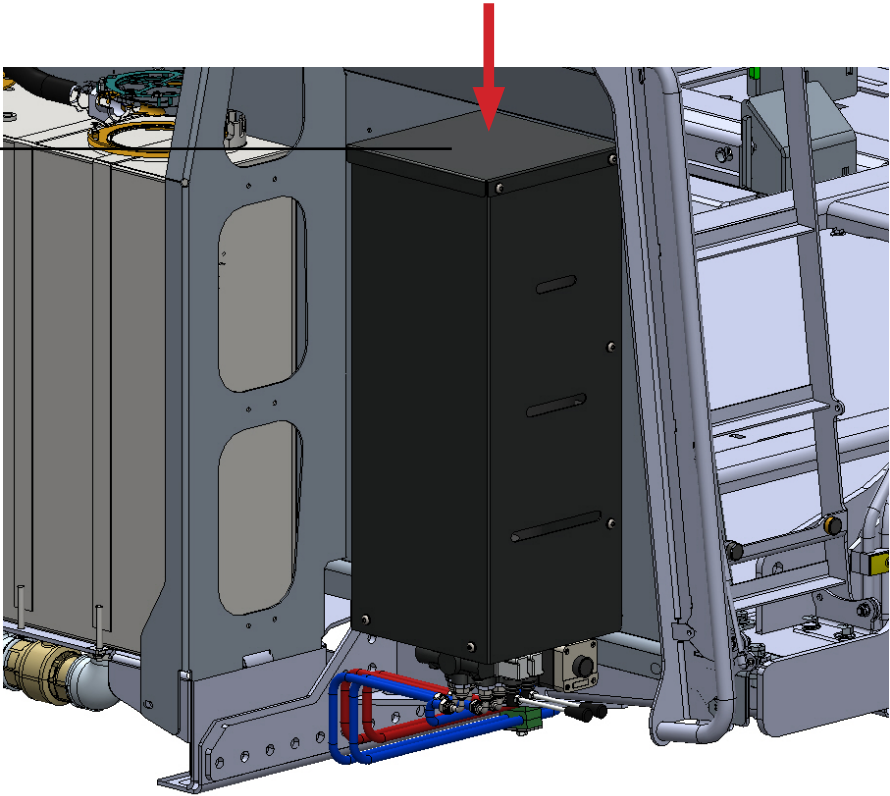


PUMP COVER INSTALLATION

PUMP COVER
(XX-XX-XX)



PUMP COVER LID
(XX-XX-XX)



A low-angle, close-up photograph of a PALFINGER RotaCover crane arm. The arm is dark grey with a yellow oval logo containing the word "PALFINGER" in blue. A red hook is visible at the top of the arm. The crane is lifting a large, dark, textured object, possibly a cover or a piece of machinery, which is suspended by several heavy black chains. The background is a bright, overcast sky.

PALFINGER

RotaCover

OPERATION

INSTALLER INFORMATION

INSTALLER

CONTACT

DATE INSTALLED

SERIAL NO

AIR BOX SETTING (IF APPLICABLE)

TIMER

- 1 MIN2 MIN3 MIN4 MIN5 MIN
- 6 MIN7 MIN8 MIN9 MIN10 MIN

PTO AUTO

HANDBRAKE

INSTALLATION INSTRUCTIONS

OPERATING CONDITIONS

PROCEED WITH CAUTION					CAUTION	DO NOT USE						
0	1	2	3	4	5	6	7	8	9	10	11	12
Calm	Light Air	Light Breeze	Gentle Breeze	Moderate Breeze	Fresh Breeze	Strong Breeze	Near Gale	Gale	Strong Gale	Storm	Violent Storm	Hurricane
Light Winds					High Winds			Gale - Force		Storm - Force		Hurricane - Force
< 1 mph	1 - 3 mph	4 - 7 mph	8 - 12 mph	13 - 18 mph	18 - 24 mph	25 - 31 mph	31 - 38 mph	39 - 46 mph	47 - 54 mph	55 - 63 mph	64 - 72 mph	> 73 mph
< 1 Knot	1 - 3 knots	4 - 6 knots	7 - 10 knots	11 - 16 knots	17 - 21 knots	22 - 27 knots	28 - 33 knots	34 - 40 knots	41 - 47 knots	48 - 55 knots	56 - 63 knots	> 63 knots
< 0.3 m/s	0.3 - 1.5 m/s	1.6 - 3.3 m/s	3.4 - 5.5 m/s	5.5 - 7.9 m/s	8.0 - 10.7 m/s	10.8 - 13.8 m/s	13.9 - 17.1 m/s	17.2 - 20.7 m/s	20.8 - 24.4 m/s	24.5 - 28.4 m/s	28.5 - 32.6 m/s	> 32.7 m/s
Smoke rises vertically.	Direction shown by smoke drift but not by wind vanes.	Wind felt on face; leaves rustle; wind vane moved by wind.	Leaves and small twigs in constant motion; light flags extended.	Raises dust and loose paper; small branches moved.	Small trees in leaf begin to sway; crested wavelets form on inland waters.	Large branches in motion; whistling heard in telegraph wires; umbrellas used with difficulty.	Whole trees in motion; inconvenience felt when walking against the wind.	Twigs break off trees; generally impedes progress.	Slight structural damage (chimney pots and slates removed).	Seldom experienced inland; trees uprooted; considerable structural damage.	Very rarely experienced; accompanied by widespread damage.	Devastation.

Guidance is based on the following assumptions:

- Operator 80kg +
- Level and secure ground
- Competent operator
- Gloves used
- Tarp and rope as supplied and in good condition
- Wind speeds are average wind speeds
- No significant current in the same or opposite direction of the wind direction
- HyCover extended is structurally sound >7

Where possible:

- Park vehicle facing headwind
- Find sheltered area

- PROCEED WITH CAUTION
- CAUTION
- DO NOT USE

RISK ASSESSMENT

CARRY RISK ASSESSMENT PRIOR TO OPERATION OF SYSTEM

VEHICLE MUST BE LEVEL AND STATIONARY PRIOR TO USE

UNIT MUST BE USED IN AREAS WHERE THE AVERAGE ILLUMINANTS IS MORE THAN 50 LUX OR WORKING LIGHTS ON REAR OF CABS MUST BE USED.

MENTION ELECTRICAL STORM

INSTALLATION INSTRUCTIONS

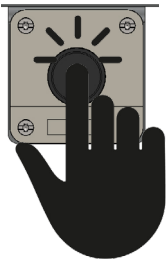
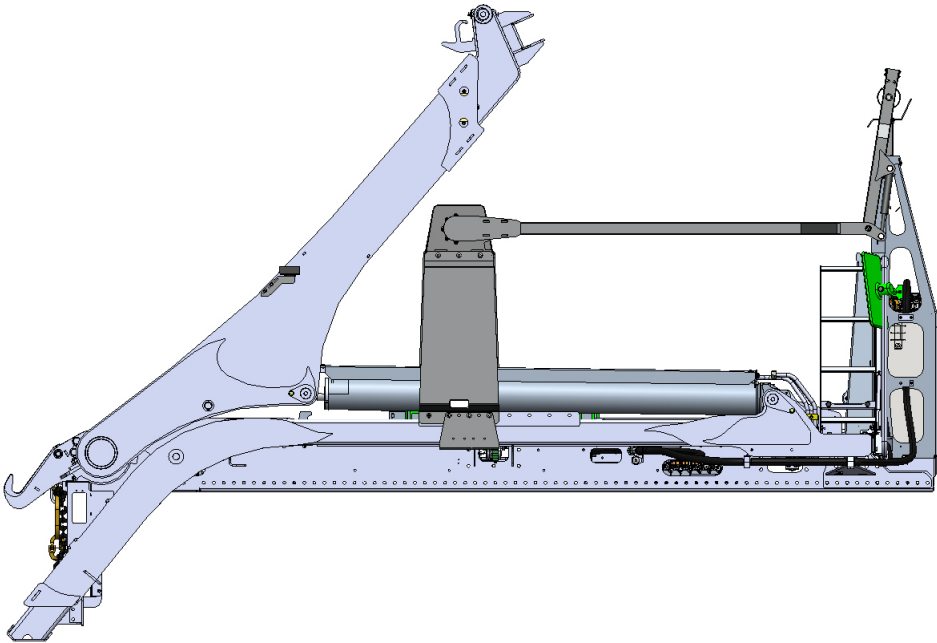
OPERATION



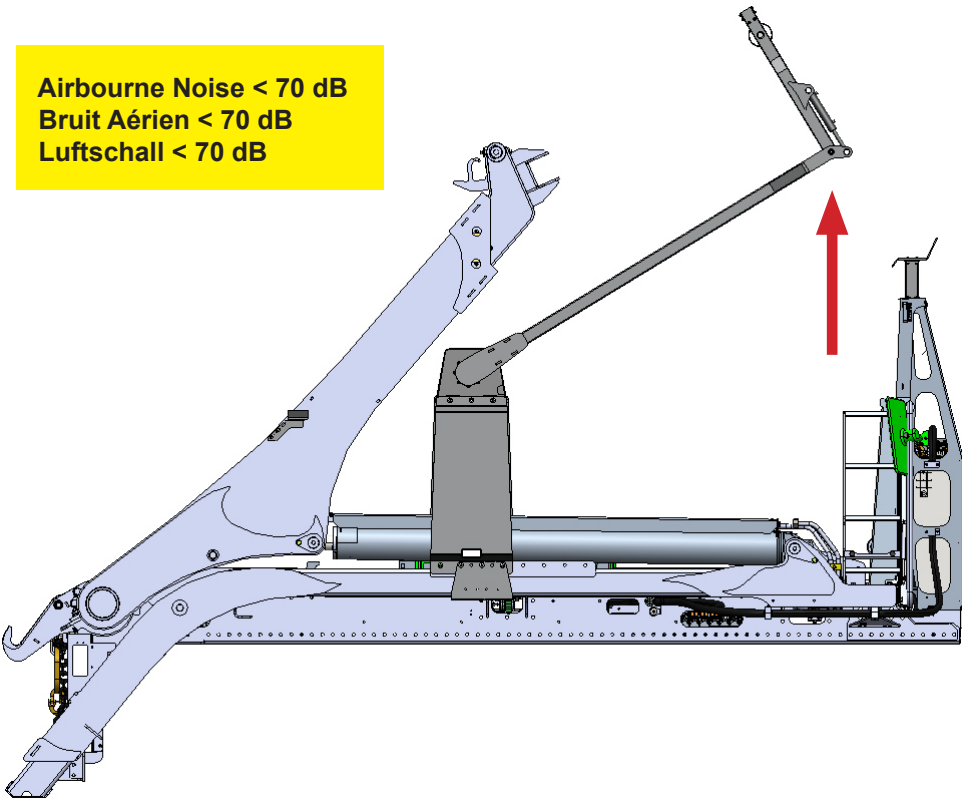
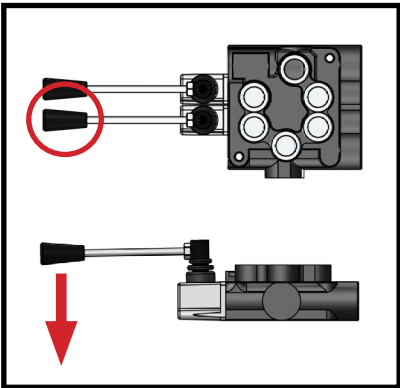
UNIT MUST BE USED IN AREAS WHERE THE AVERAGE ILLUMINANTS IS MORE THAN 50 LUX OR WORKING LIGHTS ON REAR OF CABS MUST BE USED.

 Airborne noise < 70d

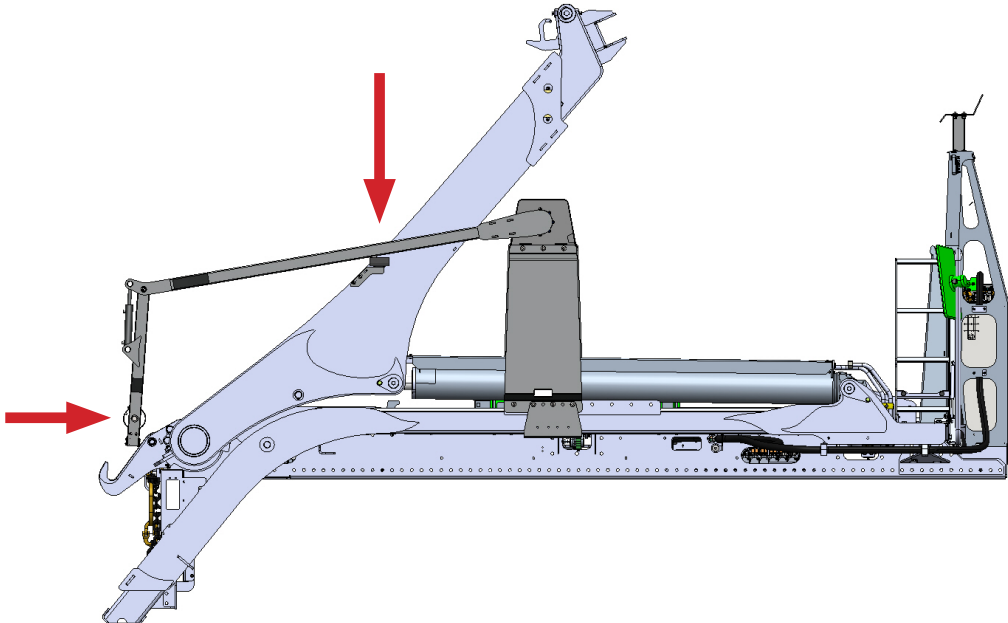
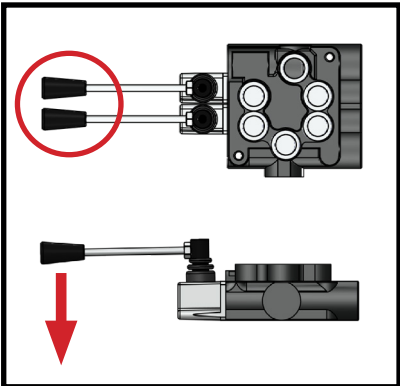
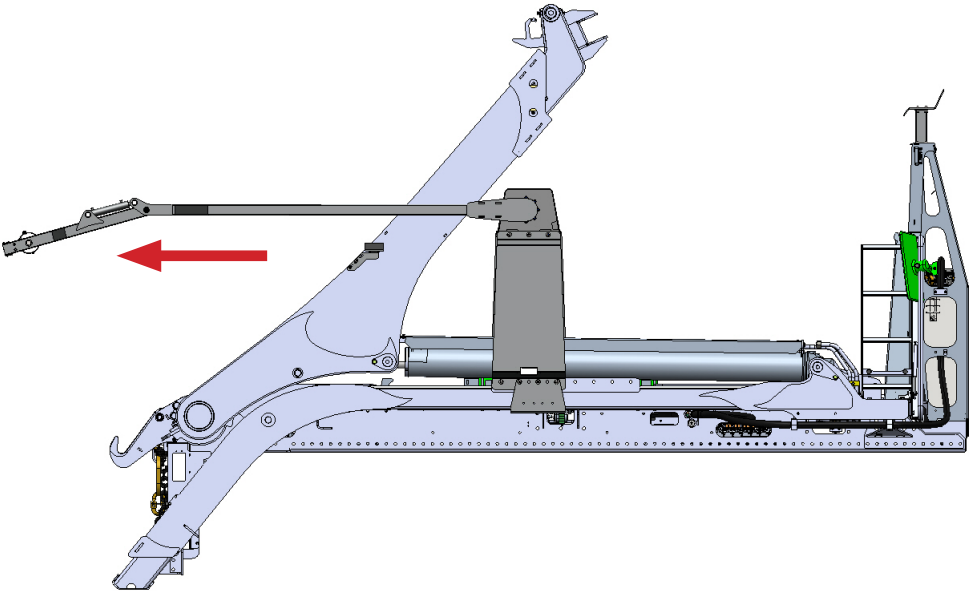
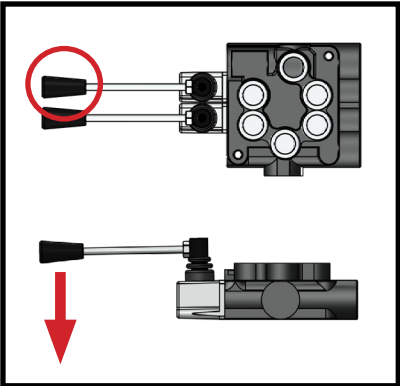
VEHICLE MUST BE STATIONARY WHEN SYSTEM IS OPERATED



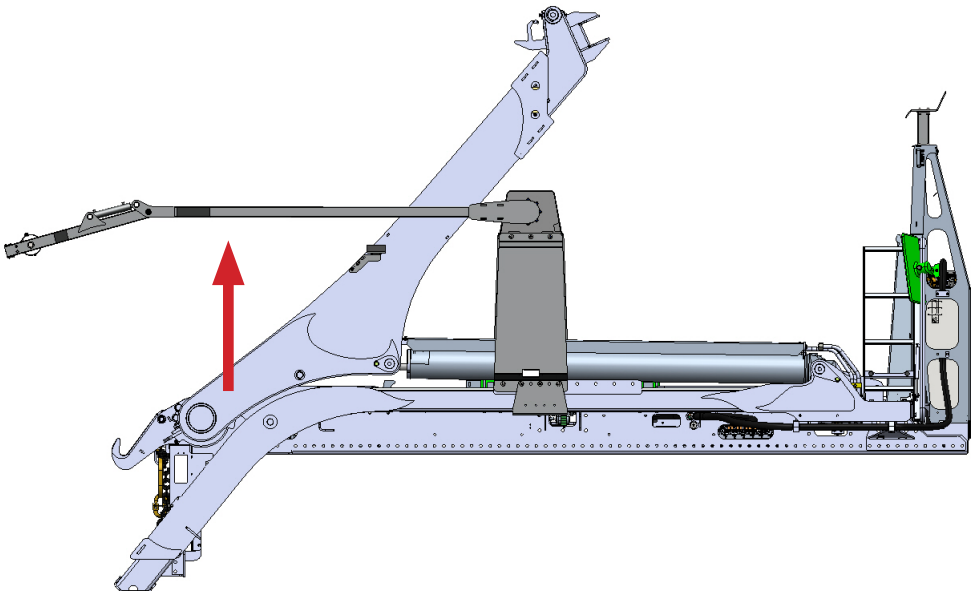
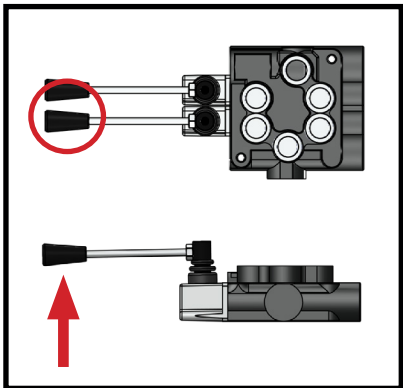
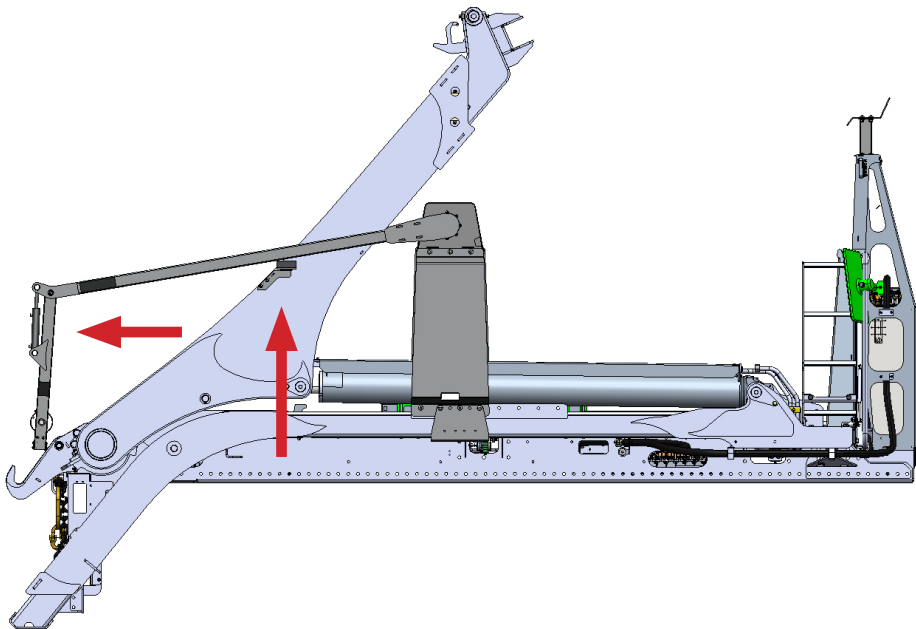
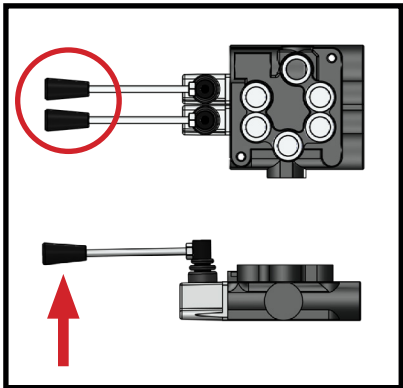
Airbourne Noise < 70 dB
Bruit Aérien < 70 dB
Luftschall < 70 dB



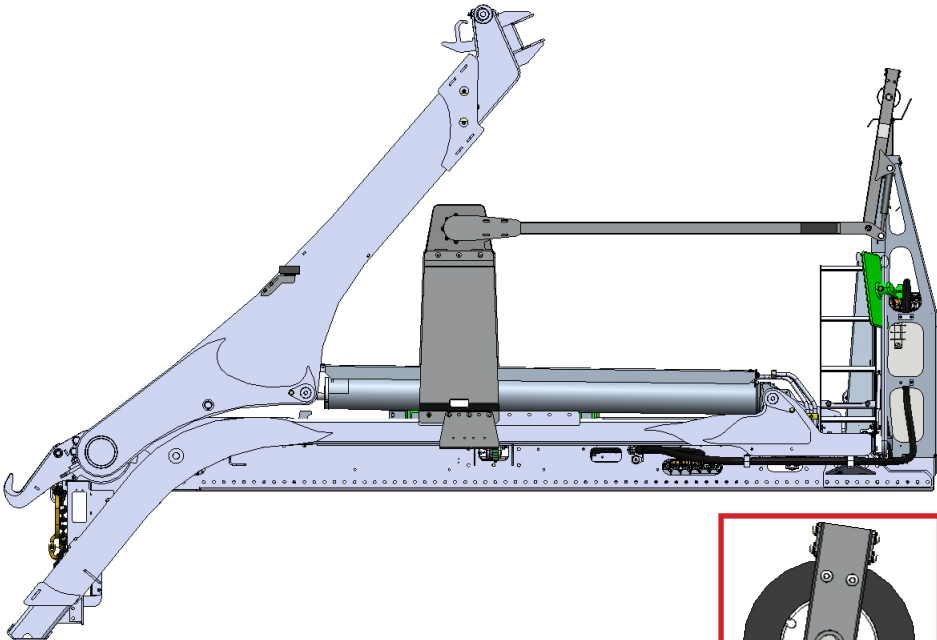
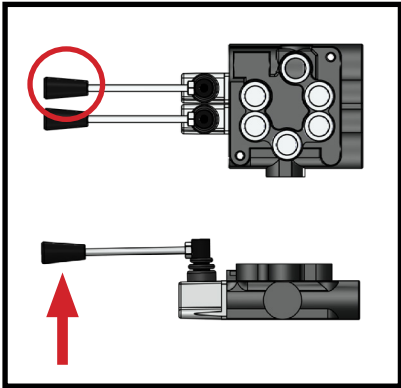
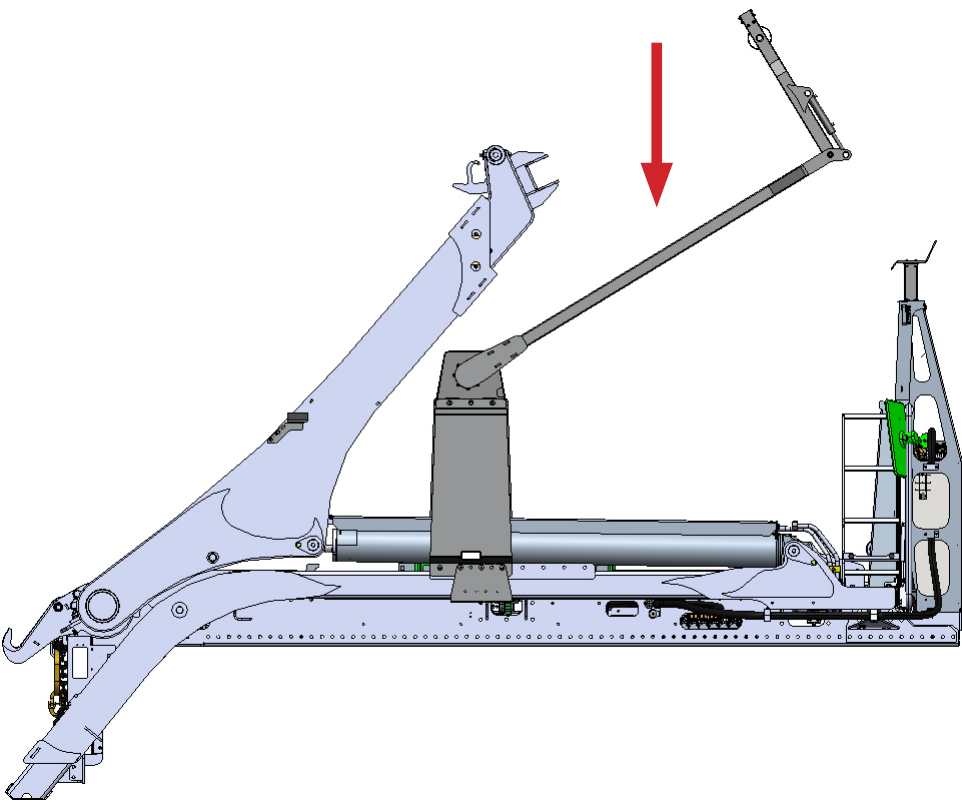
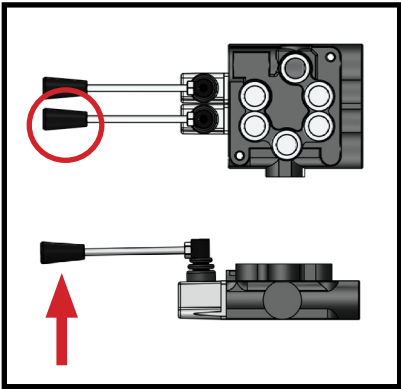
OPERATION



OPERATION



OPERATION



IN THE EVENT OF A BREAKDOWN

In the event of a breakdown, please contact a qualified engineer.

BEFORE CARRYING OUT ANY MAINTENANCE TASK

A full risk assessment of your working environment must be carried out before attempting any maintenance on your sheeting system.

All electrical maintenance tasks to be carried out by a qualified engineer.

If a task requires two persons, **DO NOT** attempt without assistance.

DO NOT attempt to carry out any maintenance task not outlined in this manual.

DAILY / MONTHLY CHECKS

Daily Visual

(Where Applicable)

- Bungee Rope Condition
- Pneumatic Hoses & Fittings
- Electrical Wiring & Connectors
- Hydraulic Cylinders & Hoses
- Tarpulin Condition
- Structural & Stability Of Mechanism
- Hydraulic Leaks

Monthly Service

(Where Applicable)

- Weld Checks
- Bolts & Fixings
- Rollerbar Tension
- Grease Points Lubricated
- Operating Hydraulic Oil
- Remote Batteries



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