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# TRUCK ROLL-OFF LIFTING SYSTEM

PARTS MANUAL,  
OPERATION AND  
MAINTENANCE

SERIAL NO:  
CLIENT:  
COMMISSIONING DATE:

We congratulate you on purchasing a DURALIFT product. You have chosen a high-quality piece of equipment, carefully designed to provide you with complete satisfaction.

In the following pages, you will find all the necessary information to operate and maintain the proper functioning of this equipment, as well as details on how to easily obtain any replacement components in the event of wear, breakage, or maintenance.

Please read all instructions carefully to ensure the equipment is operated safely and properly. This manual will also be an essential tool to help you with parts purchases.

**Thank you** for choosing us,





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## INTRODUCTION

This manual complies with Section 16.3 "Instructions for Installation, Operation, Shutdown, and Maintenance" of the Canadian Standards Association (CSA Group) Z432-16 "Machine Safety" and the American National Standards Institute (ANSI) Z535.6-2011 "Product Safety Information in Product Manuals, Instructions, and Other Collateral Materials." This standard defines a communication system specifically developed for conveying safety instructions in collateral materials. It incorporates graphic elements and approaches used by other ANSI Z535 series standards into a unified design direction intended to deliver product safety information in an orderly and visually consistent manner. It sets requirements for the design and placement of safety messages in collateral materials.

Safety messages are worded messages that primarily provide information about the nature of a hazard, the consequences of failing to avoid a hazardous situation, and/or methods to avoid a hazardous situation—or direct readers to such information. Safety alert symbols and signal words are used in this manual to complement the safety messages. A safety alert symbol, consisting of an equilateral triangle enclosing an exclamation mark, indicates a hazard. A signal word draws attention to a safety message and indicates the degree or level of risk. The signal words used in this manual are,

**▲ DANGER** Indicates a **hazardous** situation which, if not avoided, will result in death or serious injury.

**▲ WARNING** Indicates a **hazardous** situation which, if not avoided, could result in death or serious injury.

**▲ CAUTION** Indicates a **hazardous** situation which, if not avoided, could result in minor or moderate injury.

**NOTICE** Indicates important information, but not hazard-related.

This manual has been prepared to provide you with a clear understanding of how to operate, service, and maintain your new Durabac equipment. Please take the time to read the manual carefully from beginning to end. Always keep your manual handy for quick reference. **The information contained in this document is subject to change without notice.** Durabac reserves the right to make changes and/or modifications to the equipment and the information in this document at any time. If you need additional copies of your manual, please contact us at: **Durabac Inc.** 22 Milton, Granby, Quebec, Canada, J2J 0P2 ou appel: 1-800-565-1723, fax: (450) 378-1720

At Durabac Inc., your safety and satisfaction are our primary concerns and goals. Durabac takes pride in the quality of materials and craftsmanship provided by every employee throughout the manufacturing of our products.

If you have any questions or comments, please don't hesitate to contact us; we are always pleased to hear from you.

# 0.WARRANTY

Durabac warrants every new product manufactured in its facilities against defects in materials and workmanship, under normal use and maintenance, for a period of one (1) year or two thousand (2,000) machine hours, whichever comes first, from the date of delivery to the original customer. This warranty covers the frame and all other components of the product, provided that the installation and start-up inspections, as well as the warranty registration certificate, have been properly completed and returned to Durabac. During this warranty period, the user must notify Durabac's warranty department of any issue, complete a warranty claim form, and make the product or its parts or components available to Durabac or its nearest authorized service center for inspection, at the user's expense. Following inspection, if Durabac determines that the product or its parts or components are defective in material or workmanship, Durabac may, at its discretion, repair or replace the defective item at no cost. **Any warranty claim must be submitted to and approved by Durabac before any repair or replacement is carried out.** The repaired or replaced product, parts, or components will be covered for the remaining duration of the original product warranty term, or for a specifically allocated period applicable to the part or component in question. No extension of the warranty term will be granted due to service interruptions caused by inspection, repair, demonstration, or rental return. This warranty is non-transferable and **applies exclusively to the original customer.** It does not constitute a guarantee of performance or productivity unless otherwise stated in writing.

Durabac reserves the right to make changes or improvements to its products or their parts or components at any time without any obligation to apply those changes to previously manufactured products; however, it reserves the right to do so at its sole discretion.

## 1.1 EXCLUSIONS

This warranty, in its entirety, does not cover consumable, maintenance, wear, or impact-related parts on Durabac products, or any item showing signs of negligence, overloading, abuse, accident, improper maintenance or storage, misuse, or unauthorized modification.

### Warranty claims will not be accepted in the following cases:

- Products or parts damaged during transport or storage
- Transportation costs
- Losses due to downtime
- Charges incurred for overtime labor
- Costs related to troubleshooting or diagnostics
- Costs for substitute equipment used during warranty repairs
- Communication-related expenses
- Engines, valves, electronic parts or components that have been modified or opened without the manufacturer's consent
- Products, parts, or components whose identification or serial number has been removed

This warranty does not cover the performance of any vehicle on which a Durabac product, part, or component has been installed, nor the parts and components of that vehicle. It also does not cover damage to a Durabac product, its parts, or components resulting from incorrect installation—**unless** the installation was performed by Durabac or an authorized service representative.

Furthermore, this warranty does not cover any damage originating from the vehicle on which a Durabac product, part, or component is installed. It also excludes any damage resulting from misuse or lack of proper maintenance.

## 1.2 ITEMS NOT MANUFACTURED BY DURABAC

All items not manufactured by Durabac, installed or added to Durabac products, or otherwise sold by Durabac (including, but not limited to, chassis, suspensions, engines, transmissions, and tires), are not covered by this warranty and are only covered by the applicable manufacturer's warranty, if any, related to the specific sale.

## 1.3 WARRANTY VOIDANCE

This warranty shall be void and of no effect in the following cases:

- Repairs or alterations to a Durabac product, or its parts or components, performed by persons or companies not previously approved by Durabac;
- Installation of a product, part, component, or accessory on a carrier vehicle not specifically approved by Durabac;
- Unauthorized modification of a Durabac product and/or its repair using parts or components not approved by Durabac.

## 1.4 WARRANTY ON SALE OF NEW REPLACEMENT PARTS

Durabac warrants its new replacement parts against any damage resulting from defects in materials or workmanship, when used and maintained normally, for a period of 90 days following their delivery. This warranty does not cover labor costs, transportation fees, or any other expenses.

## 1.5 OTHER CONDITIONS

Durabac's agents, employees, and distributors are not authorized to modify this warranty or grant additional warranties on behalf of Durabac. Consequently, any statement or representation not contained in this warranty shall not bind Durabac and will only be considered a warranty if specified in writing and signed by an authorized officer of Durabac.

This warranty expressly replaces all other express or implied warranties, written or oral, including but not limited to any implied warranty of merchantability or fitness for a particular purpose.

Durabac shall not be liable for any other damages, including incidental or consequential damages, arising from any source. The above warranty is the sole and exclusive remedy available to the user.

This warranty shall be governed by and construed in accordance with the laws, business practices, and usages of the Province of Québec, Canada.

## 1.6 SECURITY NOTICE

**PROPER MAINTENANCE AND REPAIRS ARE ESSENTIAL FOR THE SAFETY AND RELIABILITY OF DURABAC INC. PRODUCTS (SECTION 8)**





## 1. WARNING

- ⚠ It is important to **read and understand this manual** before using this equipment.
- ⚠ Federal and provincial laws prohibit anyone **under 18 years old** from operating the cart tipper. However, waste may be deposited into the truck by any person aged 16 or older.
- ⚠ Only **authorized and trained personnel** may operate the unloading and compaction mechanism. (See the list of trained personnel on the last page of this manual.)
- ⚠ **In case of emergency**, return the operating levers to the 0 position. The hydraulic components will stop all movement regardless of the operating phase. Turn off the engine.
- ⚠ Routine mandatory **maintenance** is the owner's responsibility. Refer to the "Maintenance Guide" in this manual.
- ⚠ **Do not operate or service** this equipment without proper training and qualification, including familiarity with the manufacturer's user and service manual.
- ⚠ **All repairs** must be performed by a qualified technician authorized by the manufacturer.
- ⚠ It is strictly forbidden to **increase or decrease hydraulic pressures** without written authorization from the manufacturer.
- ⚠ Keep all body parts away from operating zones.
- ⚠ **Before using** hydraulic mechanisms, ensure **all safety devices** are in place and operational.
- ⚠ Do not attempt to bypass or disable safety devices.
- ⚠ **Do not dispose** of hazardous materials or dangerous goods, and do not place sealed containers in the hopper. (Refer to the next page for a complete description of authorized and prohibited materials.)
- ⚠ Use the collection truck only for its **intended purpose**.
- ⚠ The owner is responsible for ensuring **all safety labels and instructions remain visible** on the vehicle and are not covered or obstructed. (Refer to Section 4.11, Safety Labels and Required Instructions in this manual.)
- ⚠ Ensure all personnel are clear of the lifting area **before operating controls**.
- ⚠ **The owner is responsible** for verifying the compatibility of options with intended use.
- ⚠ **Never leave** the collection truck unattended while the engine is running, especially when the hopper is open.
- ⚠ **Never allow material to accumulate** in front of the ejection panel (ejector plate). Accumulated material may cause serious damage to your equipment.
- ⚠ **Do not use pressure washing on** areas where moisture-sensitive **electronic components** are installed.
- ⚠ **Comply with all applicable safety features** provided on the vehicle. Ensure that all protective and safety devices are neither disabled nor bypassed.



## 2. OPERATIONS

*The operating steps are represented by an Outside Rails truck with and without a telescopic tail, but the steps remain the same for other types of Roll-Off trucks.*

### 2.1 LOADING A ROLL-OFF BOX

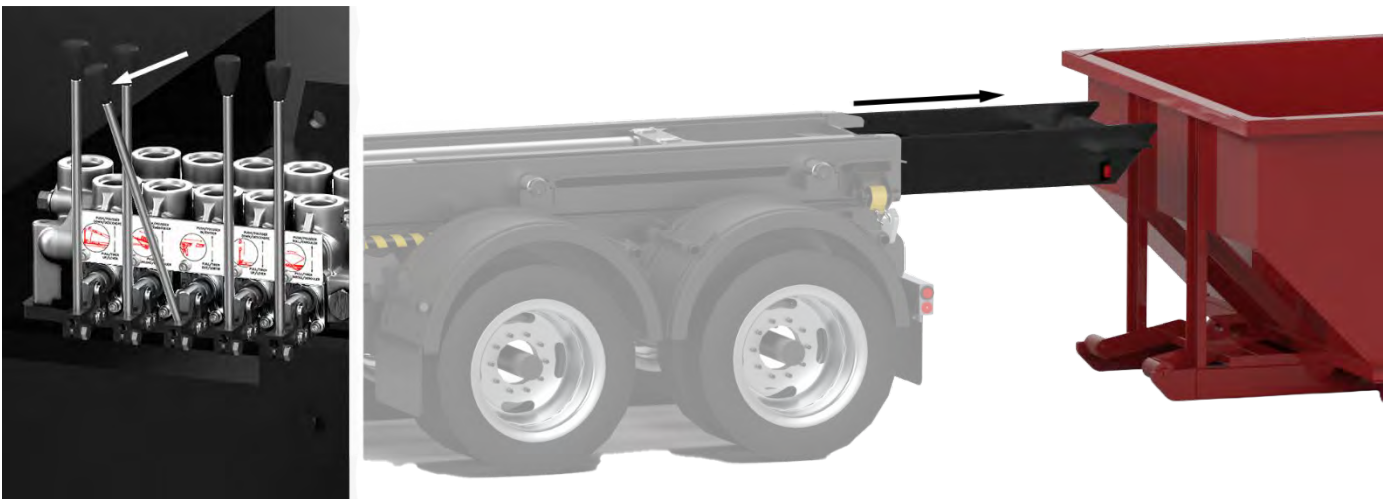
To ensure high and reliable performance of this equipment, it is important to carefully read and follow the following instructions. The few minutes it takes to read this document can save you a lot of trouble and unexpected expenses due to improper use of the system under inappropriate conditions.

**When reversing the vehicle, ensure in advance that the operating area around the container is free of people or obstacles before and during all phases of operation. Be aware of obstacles, including power lines. Use mirrors and cameras available. Pay particular attention to “blind spots” behind and to the sides of the vehicle. Be prepared to stop the operation if necessary. The pump/PTO must be operated during all stages of operation.**

1. Position the truck in line with the box.
2. Back up to the box (about 5 feet away)



3. Extending the telescopic tail (If applicable) by pulling the lever in the cabin or the one outside.



4. Raise the roll-off truck frame by pulling the lever in the cab or the one outside so that the end is close to the ground.
5. Move back again so that the roll-off frame fits inside the box guides and rests against the lifting rollers.



6. Attach the cable to the hook on the front of the box.



**CAUTION**

Ensure that the brakes are released during the loading stages of a container until the container has completely left the ground.

**WITH TELESCOPIC TAIL:**

7. Raise the front of the box 5 or 6 inches before the telescopic tail junction with the frame by pushing the cable lever.



**CAUTION**

**DO NOT** pull the box over the junction of the telescopic tail and the roll-off frame. This will damage the chassis and result in malfunction and breakage of the retractable tail.

**WITHOUT TELESCOPIC TAIL:**

7. Raise the front of the box almost to the center of the roll-off system frame by pushing the cable lever.



8. Lower the roll-off frame until it reaches the same angle as the box by pushing the frame lever.

**WITH TELESCOPIC TAIL:**

**⚠ CAUTION** After aligning the box angle with that of the roll-off frame, lower the frame slightly to pivot the front of the box until it rests on the rear stop of the telescopic tail. This maneuver will raise the front of the box, making it easier to slide over the junction between the telescopic tail and the roll-off frame, without difficulty or risk of damage.



**⚠ CAUTION** Ensure the container is securely inserted onto the roll-off system frame before continuing.

9. Pull the box onto the roll-off system frame (push the cable lever).

**⚠ CAUTION** Remember that it is the truck that must back up under the box, not the box that must be pulled onto the truck; hence, the brakes must be released during these maneuvers.

**Make sure to adjust the angle of the roll-off frame to maintain the same angle between the frame and the box.**

10. As soon as the container leaves the ground, apply and hold the brakes. When the container leaves the ground, lower the roll-off frame (push the frame lever) and continue pulling the box (push the cable lever).



11. Pull the box until it is securely fastened to the stops (push the cable lever).

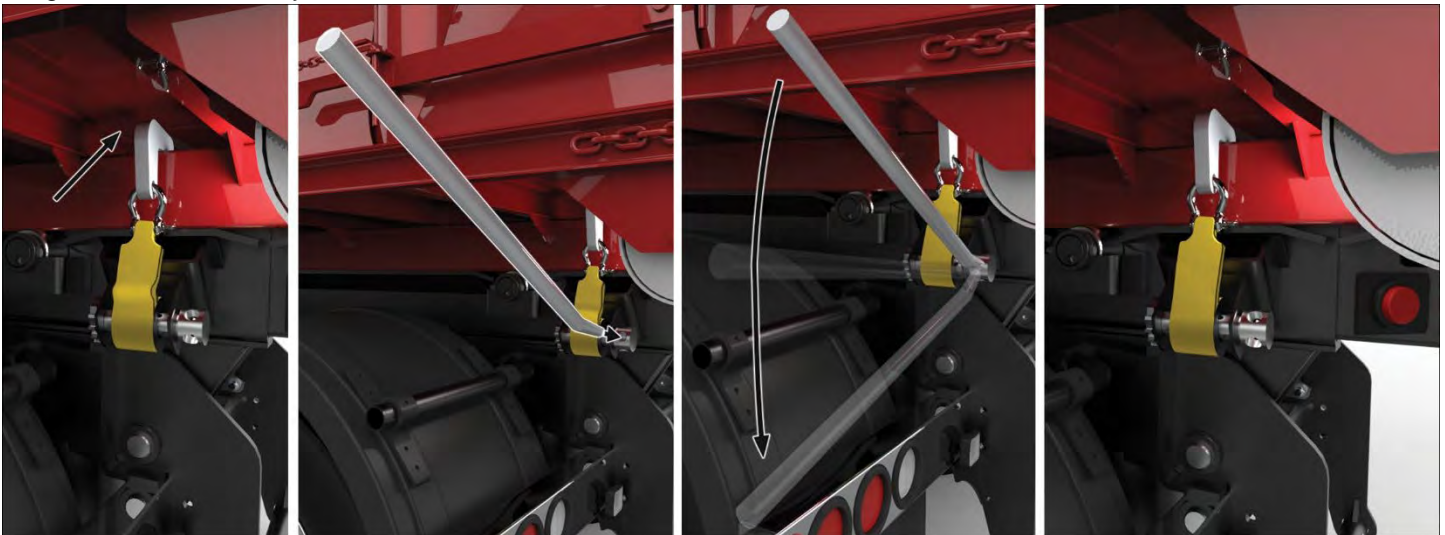
12. Lower the frame tilt until it is level with the chassis (push the frame lever).



13. Close the telescopic tail, if applicable (push the telescopic tail lever).

**CAUTION** Secure the box in accordance with National Safety Code (NSC) for Motor Vehicle Cargo Standard 10 "Cargo Securement."

14. (TIE-DOWN HOOK) Secure the container to the vehicle using the tie-down hooks. Turn the pin with the tightening rod to tighten the hooks firmly.



*The tightening rod is located towards the front of the frame in its support*



14. (PNEUMATIC LOCKS) Activate the pneumatic locks (If applicable) using a button in the cabin.



## 2.2 EMPTYING A ROLL-OFF BOX

1. Open the rear door of the box, secure it, then slowly raise the frame (pull the frame lever) and lower the box using the cable (pull the cable lever).



2. Once fully raised and positioned close to the ground, slowly move the truck forward to release the waste.



### 2.3 UNLOADING A ROLL-OFF BOX

1. Remove the tie-down hooks or pneumatic locks (Reverse step 2.1-14).

**CAUTION** Always replace the tie-down hook in its holder to avoid injury and potential breakage.



2. Do the same loading steps in reverse

# 3. PARTS CATALOG

## 3.1 GENERAL INFORMATIONS

### INTRODUCTION

This catalog was developed to facilitate your parts purchases. To get the most out of this catalog, it is essential that you understand the parts list attached to each view or exploded view. The parts list under each view or exploded view is divided into four columns. Some parts will have a table adapted to their specifications to facilitate understanding of the dimensions, materials, or accessories specific to that part.

The column: « No. » identifies the numbers circled on each view.

The column: « Part No. » identifies the serial number of an assembly or component.

### IMPORTANT

The model and serial number identification plates are located on the lower left front side of the equipment.

To ensure the most accurate ordering of parts, we recommend always providing the following information to our parts and service associates:

- **DRC Model number**
- **DRC Serial number**
- **DRC Parts numbers**
- **Required quantity**
- **Your manual version (lower left corner)**

### DEFINITIONS

Definitions of cable lifting system models:

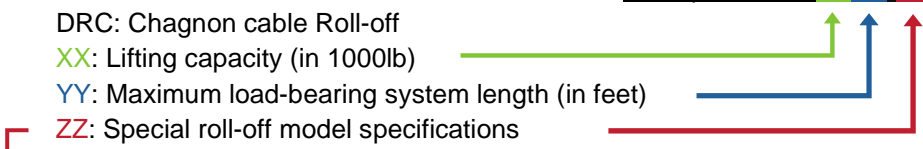
DRC: Chagnon cable Roll-off

XX: Lifting capacity (in 1000lb)

YY: Maximum load-bearing system length (in feet)

ZZ: Special roll-off model specifications

Exemple : DRC-XXYY-ZZ



- DRC (ZZ) model special specification definitions :

OR : OUTSIDE RAIL – Frame with outer rails with rollers

TS : TOP SKID – Frame without rails or rollers

IO : INSIDE/OUTSIDE RAIL – Frame with inner and outer rails with rollers

AF : ABOVE FRAME – Outer rails with rollers and lift cylinder positioned inside the frame

### TO NOTE:



**If the parts on your vehicle do not match the standard parts images shown in this manual and are not listed in the tables, it is possible that your vehicle has **specific modifications**. In this case, it is recommended that you contact Durabac with your job number and the model number, which you will find on the front of the frame, near the control levers, to ensure you order the correct part for your vehicle.**

**AVAILABILITY:  
CAPACITY x SIZES**

16'	20'	22'	24'	26'
-----	-----	-----	-----	-----

75 000 Lb / 60 000 Lb			X	X	X
50 000 Lb		X			
35 000 Lb	X	X			
20 000 Lb	X				

**RESERVOIR**

75 000 Lb	55 Ga (205L)
60 000 Lb	40 Ga (150L)
50 000 Lb	40 Ga (150L)
35 000 Lb	30 Ga (110L)
20 000 Lb	30 Ga (110L)

**3.2 THE DIFFERENT TYPES OF DRC**

**a. OR – OUTSIDE RAILS (STANDARD)**

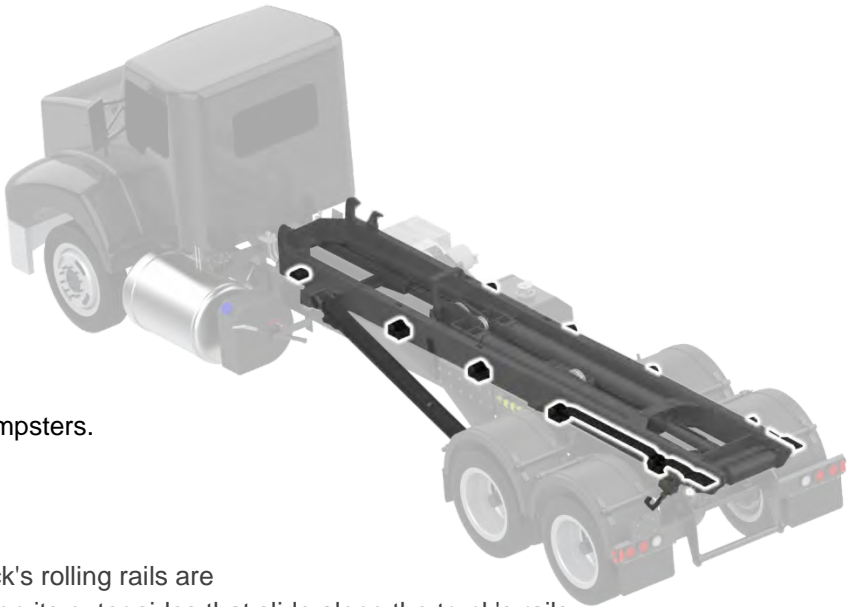
**Description:**

The Outside Rails system means that the truck's rolling rails are outside the main frame.

The body has rollers on its outer sides that slide along the truck's rails.

**Advantages:**

- Very **stable** during loading/unloading.
- **Compatible with most standard** roll-off dumpsters.



**b. ORT – OUTSIDE RAILS TRIDEM**

**Description:**

The Outside Rails system means that the truck's rolling rails are outside the main frame. The body has rollers on its outer sides that slide along the truck's rails.

It is very similar to the Outside Rails system, the main difference being the moving trolley and the hydraulic cylinders being reversed. It is generally used in the United States.

**c. TS – TOP SKID**

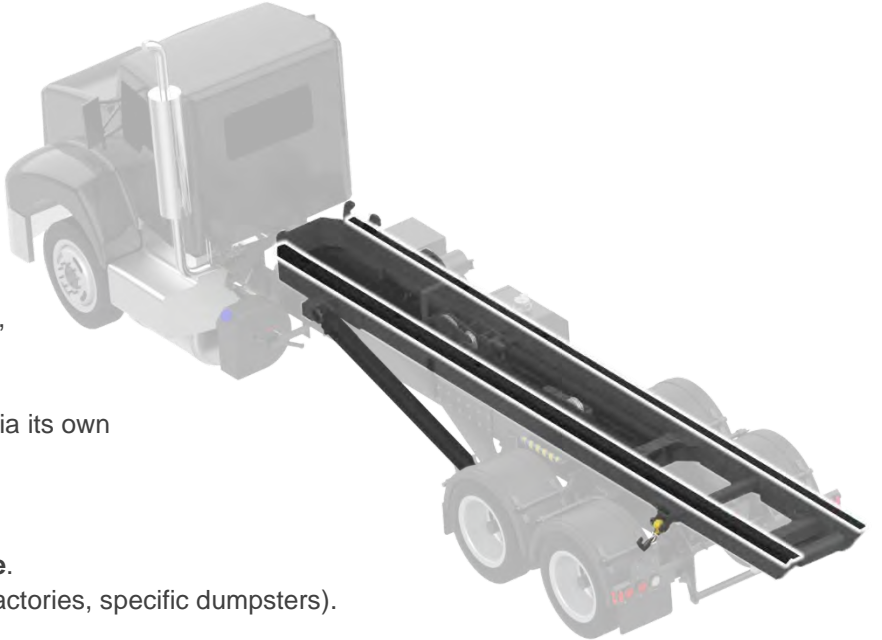
**Description:**

The truck doesn't have traditional side rails, but rather a flat surface with skids atop the chassis.

The dumpsters slides on top of the frame via its own slides.

**Advantages:**

- Simpler, lower** design.
- Fewer exposed parts → **less maintenance**.
- Can be used in **custom configurations** (factories, specific dumpsters).



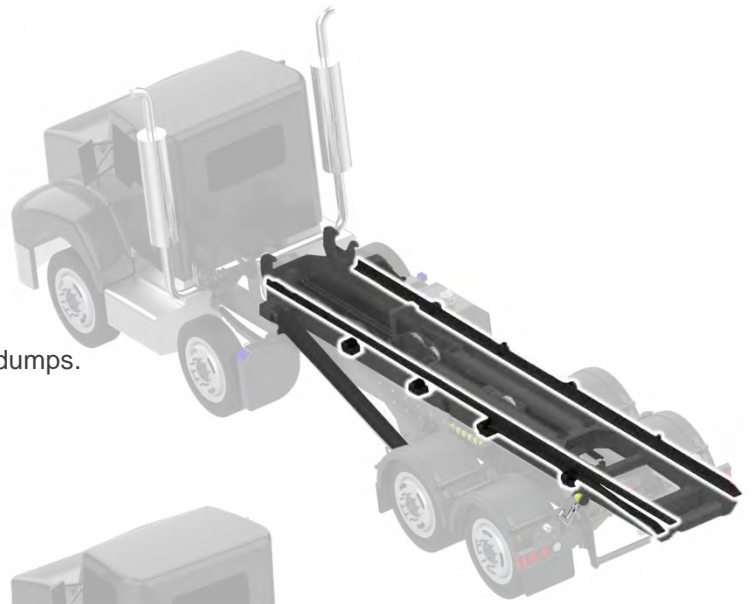
### d. IO – INSIDE/OUTSIDE RAILS

**Description:**

Hybrid system: The truck can accommodate dumpsters with internal or external rails. Rails positioned to allow for multiple dump configurations.

**Advantages:**

**Highly versatile:** Can transport multiple types of dumps. Ideal for operators with a diverse fleet.



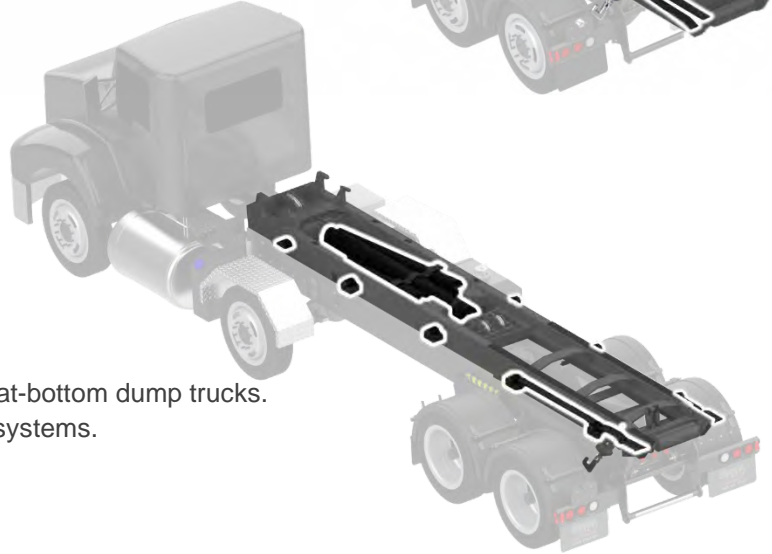
### e. AF – ABOVE FRAME

**Description:**

The rails or sliders are positioned above the truck's main chassis, often welded to a raised platform. This protects the chassis and provides a uniform height for the system.

**Advantages:**

**Protects the truck** chassis from wear.  
**Good compatibility** with certain industrial or flat-bottom dump trucks.  
**Facilitates** the installation of certain hydraulic systems.



**IN SUMMARY:**

SYSTEM TYPE	POSITION OF RAILS/SKIDS	COMPATIBLE DUMPSTER TYPE	KEY ADVANTAGES
OUTSIDE RAILS (OR)	OUTER FRAME RAILS	EXTERIOR RAIL DUMPSTERS	EXCELLENT STABILITY EASY ALIGNMENT MOST COMMON STANDARD
TOP SKID (TS)	FLAT SKIDS ON TOP OF FRAME	SKID OF FLAT BOTTOM DUMPSTERS	LESS MAINTENANCE LOWER CENTER OF GRAVITY IDEAL FOR ENCLOSED AREAS
INSIDE/OUTSIDE RAILS (IO)	INNER AND OUTER FRAME RAILS	INTERIOR AND EXTERIOR RAIL DUMPSTERS	VERY VERSATILE MAXIMIZES EXISTING FLEET EASY TRANSITION
ABOVE FRAME (AF)	RAISED RAILS/CYLINDER ABOVE THE FRAME	FLAT BOTTOM OR SPECIFIC DUMPSTERS	PROTECTED FRAME BETTER ROBUSTNESS ADAPTABLE TO CUSTOM-MADE VEHICLES

# 4. STRUCTURE ET MÉCANIQUE

**NOTICE**

Roll-off truck components may vary slightly from model to model. Similar parts are shown for reference only, so it is essential to verify your truck's exact model and serial number (DRC-XXYY-ZZ) and then find it in the reference tables to ensure the selection of the correct part for your model.

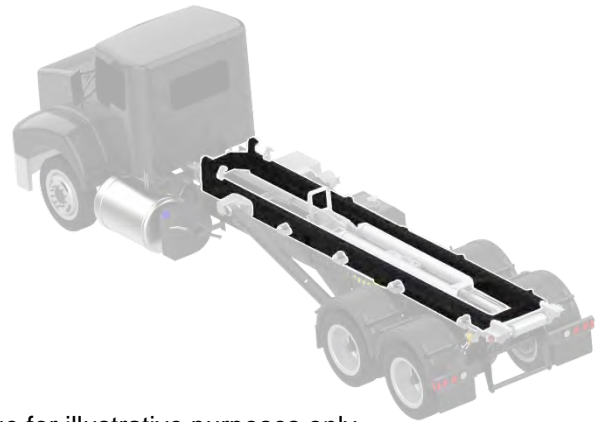
*This section presents the standard parts supplied on the roll-off truck when purchased.*

**NOTICE**

Some truck accessory configurations or options may alter the layout of certain parts (holes, recesses, offsets, etc.). If you cannot find your configuration, please contact Durabac with your truck model number and serial number to ensure you get the correct part.

## 4.1 FRAME

Frame assembly



\*Image for illustrative purposes only

FRAME LENGTH	CAPACITY	COMPATIBILITY	FRAME TYPE (H)	TELESCOPIC TAIL	PARTS NO.
16'	20 000lb	OR	FRAME 6"	No	606-210-2000
16'	20 000lb	OR	FRAME 6"	Yes	606-211-2000
16'	35 000lb	OR	FRAME 10"	No	606-210-3516
16'	35 000lb	OR	FRAME 10"	Yes	606-211-3516
18'	35 000lb	OR	FRAME 10"	Yes	606-211-3518
20'	35 000lb	OR	FRAME 10"	No	606-210-3520
20'	35 000lb	OR	FRAME 10"	Yes	606-211-3520
22'	35 000lb	OR	FRAME 10"	No	606-210-3522
22'	35 000lb	OR	FRAME 10"	Yes	606-211-3522
20'	35 000lb	TS	FRAME 12"	No	606-220-3520
22'	35 000lb	TS	FRAME 12"	No	606-220-3522
20'	50 000lb	OR	FRAME 10"	Yes	606-211-5020
22'	50 000lb	OR	FRAME 10"	No	606-210-5022
22'	50 000lb	OR	FRAME 10"	Yes	606-211-5022
22'	60 & 75 000lb	OR	FRAME 12"	No	606-210-6022
22'	60 & 75 000lb	OR	FRAME 12"	Yes	606-211-6022
24'	60 & 75 000lb	OR	FRAME 12"	No	606-210-6024
24'	60 & 75 000lb	OR	FRAME 12"	Yes	606-211-6024
26'	60 & 75 000lb	OR	FRAME 12"	No	606-210-6026
26'	60 & 75 000lb	OR	FRAME 12"	Yes	606-211-6026

22'	60 & 75 000lb	OR & TS	FRAME 14"	No	606-212-6022
24'	60 & 75 000lb	OR & TS	FRAME 14"	No	606-212-6024
26'	60 & 75 000lb	OR & TS	FRAME 14"	No	606-212-6026
22"	60 & 75 000lb	TS	FRAME 14"	No	606-220-6022
22"	60 & 75 000lb	TS	FRAME 14"	Yes	606-225-6022
24"	60 & 75 000lb	TS	FRAME 14"	No	606-220-6024
24"	60 & 75 000lb	TS	FRAME 14"	Yes	606-225-6024
26"	60 & 75 000lb	TS	FRAME 14"	No	606-220-6026
26"	60 & 75 000lb	TS	FRAME 14"	Yes	606-225-6026
22'	60 & 75 000lb	IO	FRAME 12"	No	606-230-6022
24'	60 & 75 000lb	IO	FRAME 12"	No	606-230-6024
26'	60 & 75 000lb	IO	FRAME 12"	No	606-230-6026
23'	60 & 75 000lb	AF	FRAME 12"	No	606-240-6023
23'	60 & 75 000lb	AF	FRAME 12"	Yes	606-245-6023
25'	60 & 75 000lb	AF	FRAME 12"	No	606-240-6025
25'	60 & 75 000lb	AF	FRAME 12"	Yes	606-245-6025

**NOTICE** Frame lengths may vary; they are often tailored specifically to your vehicle. Check with Durabac and provide your vehicle's order number.

The frame part number follows this logic:

**Starting number:**

606 = Always

**Middle number:**

210 = Outside rails – Normal tail

211 = Outside rails – Telescopic tail

212 = Outside rails and Top Skid – Normal tail

220 = Top Skid – Normal tail

225 = Top Skid – Telescopic tail

230 = Inside/Outside rails – Normal tail

240 = Above frame – Normal tail

245 = Above frame – Telescopic tail

250 = Above frame et Top Skid – Normal tail

255 = Above frame et Top Skid – Telescopic tail

**Last number:**

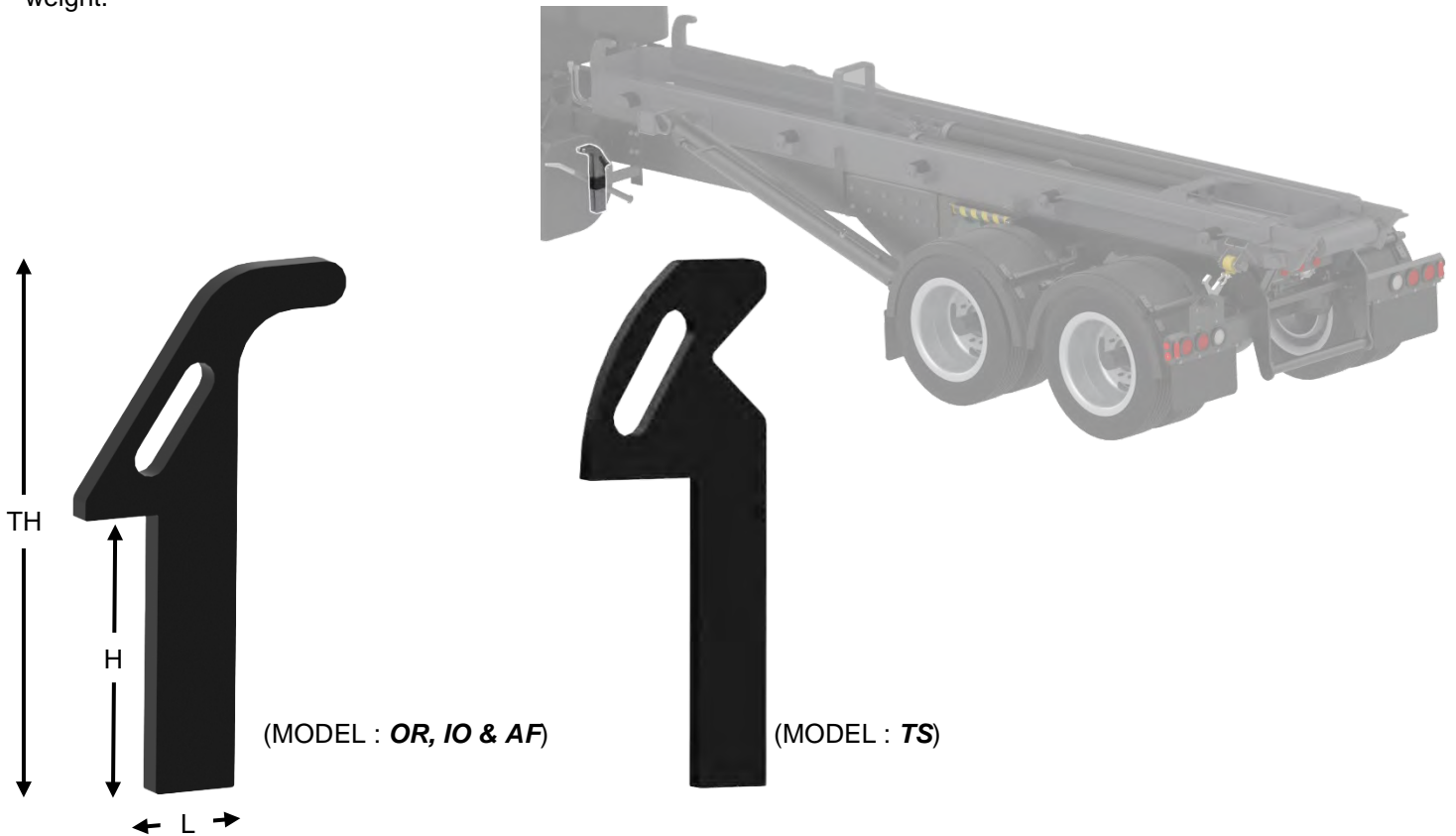
**XXYY** (Ex : **6022**)

**XX** = Capacity (Ex : **60 000 lb**)

**YY** = Frame length (Ex : **22'**)

## 4.2 REMOVABLE NOSE STOPPERS

The nose stopper acts as a physical marker so that the dumpster is positioned exactly where it is intended to balance the weight.



DESCRIPTION	PARTS NO.
NOSE STOPPER FOR <i>OR, IO, AF</i>	690-500-2000
NOSE STOPPER FOR <i>TS</i>	690-500-2110

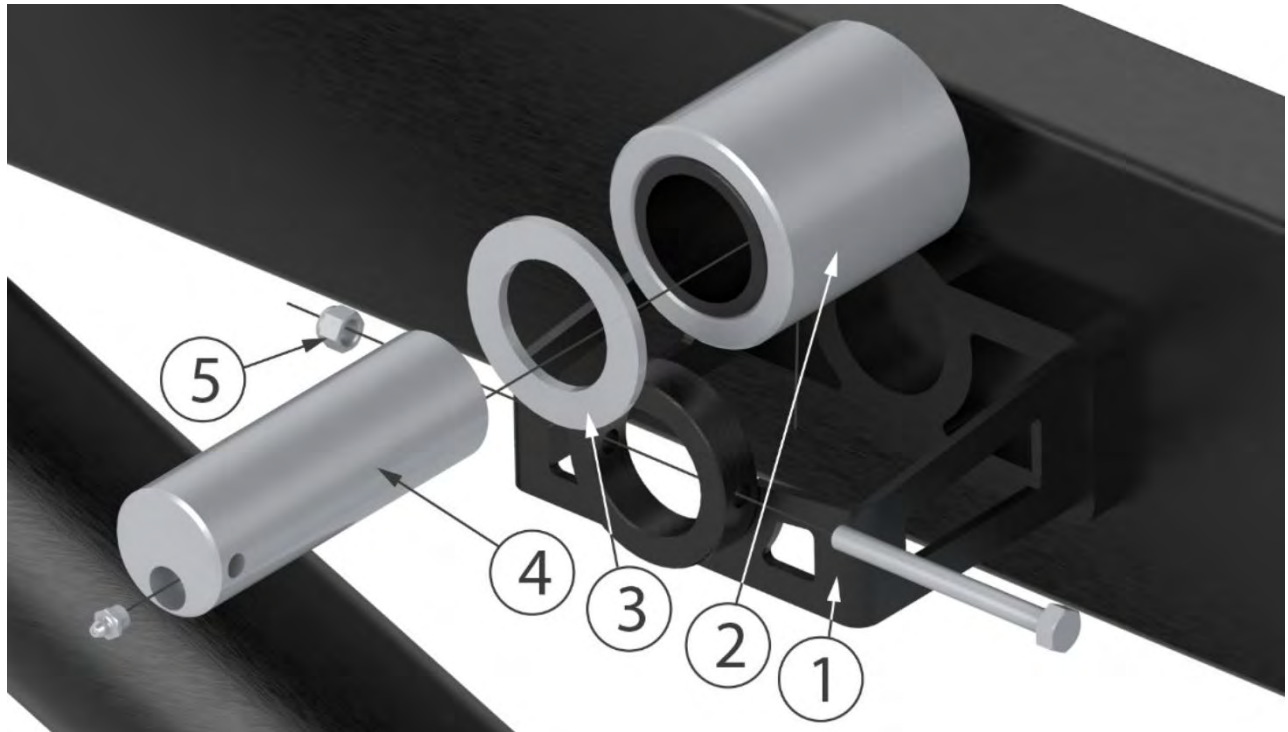
Installs in the holes provided for this purpose in the frame and becomes the new stop.



### 4.3 ROLLERS



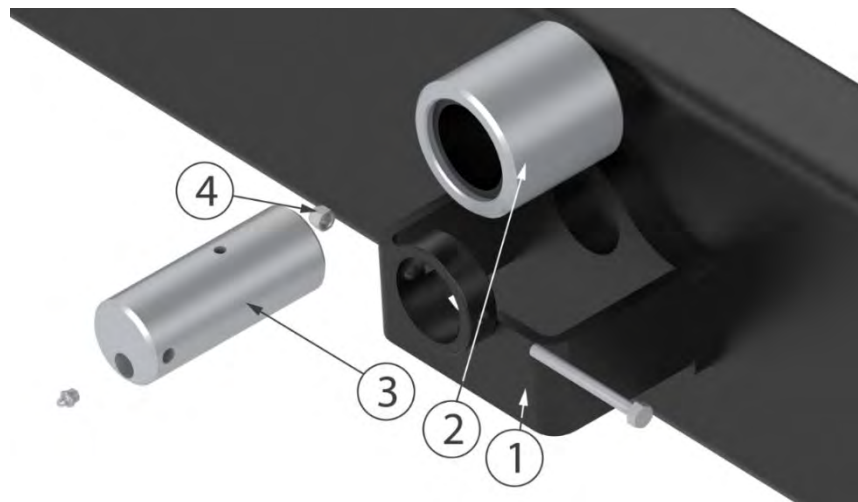
#### a. SIDE ROLLERS (OR, 20 000Lb)



NO.	QTY	DESCRIPTION	PARTS NO.
	1	SIDE ROLLER <b>OR20</b> (COMPLETE SET)	690-300-1500
1	1	ROLLER SUPPORT	690-300-1040
2	1	SIDE ROLLER 3.5" diam. X 4" long	690-300-1080
3	1	ROLLER WASHER	690-300-1501
4	1	ROLLER AXLE	690-300-1904
	1	GREASE FITTINGS	

NO.	QTY	DESCRIPTION	PARTS NO.
5	1	SIDE ROLLERS <b>OR20</b> HARDWARE	KT-690-300-1500
	1	HEX BOLT .375 x 4.00 (GRADE 8) - STEEL	
	1	HEX NUT .38ZN (GRADE 5) - ZINC STEEL	

**b. SIDE ROLLERS (OR, IO, AF, 35 000 / 50 000 / 60 000 / 75 000Lb)**



Side roller charter :

NO.	QTY	DESCRIPTION	PARTS NO.
<b>4" LONG</b>			
1	1	ROLLER SUPPORT 4" long	690-300-1010
2	1	SIDE ROLLER 4" diam. x 4" long	690-300-1050
	1	SIDE ROLLER 4,5" diam. x 4" long	690-300-1045
	1	SIDE ROLLER 5" diam. x 4" long	690-300-1055
	1	SIDE ROLLER 5.5" diam. x 4" long	690-300-1060
	1	SIDE ROLLER 3.5" diam. x 4" long	690-300-1080
3	1	ROLLER AXLE 4" long*	690-300-1902
	1	GREASE FITTINGS	
<b>5" LONG</b>			
1	1	ROLLER SUPPORT for 5" long	690-300-1020
2	1	SIDE ROLLER 4" diam. x 5" long	690-300-1090
	1	SIDE ROLLER 5.5" diam. x 5" long	690-300-1070
3	1	ROLLER AXLE 5" long*	690-300-1906
	1	GREASE FITTINGS	
<b>2,688" LONG</b>			
1	1	ROLLER SUPPORT for 2.688" long and 2.5" long	690-300-1020
2	1	SIDE ROLLER 6" diam. x 2.5" long	690-300-1065
	1	SIDE ROLLER 5.5" diam. x 2.688" long	690-300-1075
	1	SIDE ROLLER 4" diam. x 2.688" long	690-300-1085
3	1	ROLLER AXLE 2.688" long *	690-300-1907
	1	GREASE FITTINGS	
NO.	QTY	DESCRIPTION	PARTS NO.
4	1	SIDE ROLLERS HARDWARE (SAME FOR ALL)	KT-690-300-1100
	1	HEX BOLT .375 x 4.00 (GRADE 8) - STEEL	
	1	HEX NUT .38ZN (GRADE 8) - ZINC STEEL	

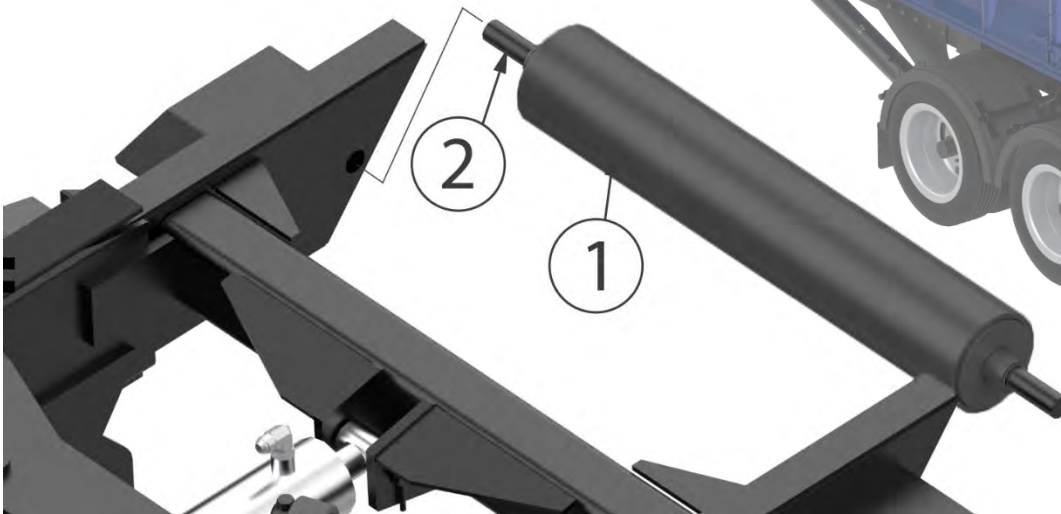
\*Roller axles come with their grease fittings

**c. FIXED ROLLERS**



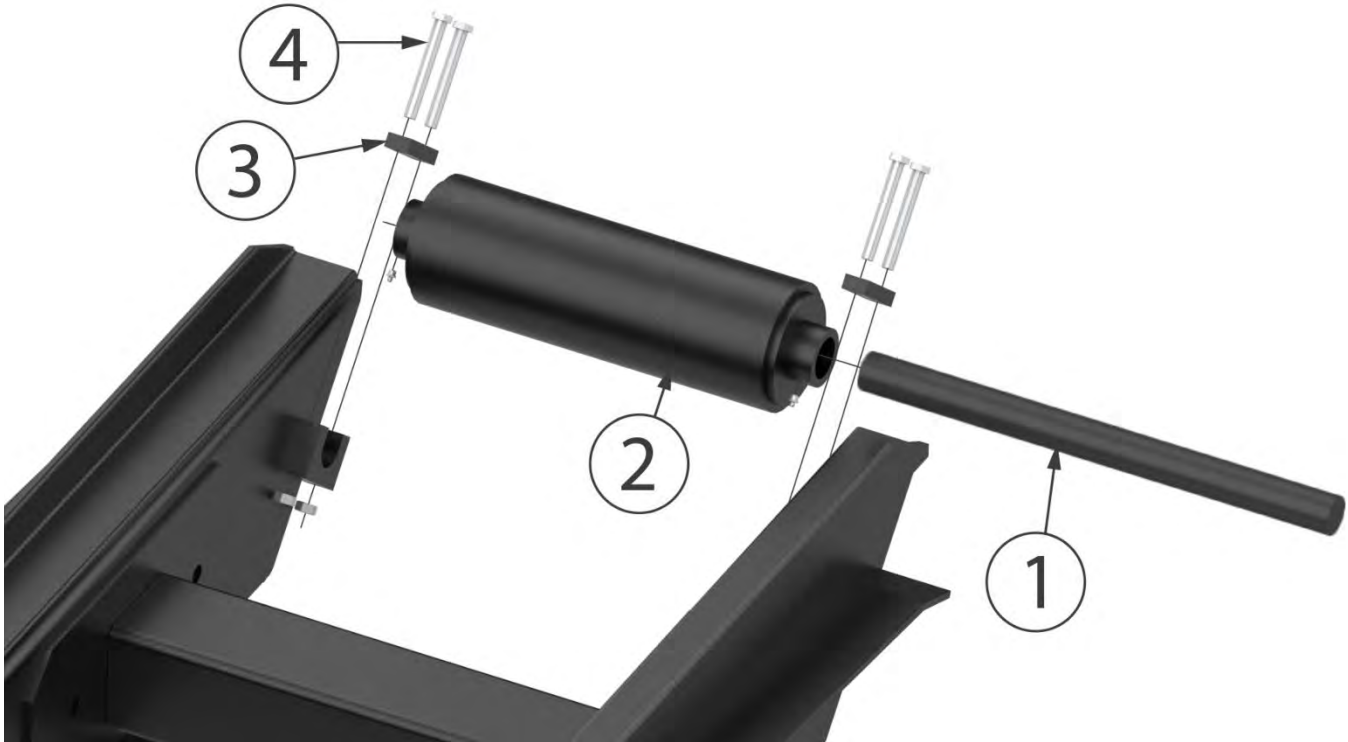
DESCRIPTION	PARTS NO.
FIXED ROLLERS	690-300-3000

**d. REAR ROLLERS (OR, 20 000Lb)**



NO.	QTY	DESCRIPTION	PARTS NO.
	1	REAR ROLLER <b>OR20</b> (COMPLETE SET)	690-300-4510
1	1	REAR ROLLER	690-300-4500
2	1	ROLLER AXLE	690-300-4511

e. REAR ROLLERS (OR, IO, AF, TS, 35 000 / 50 000 / 60 000 / 75 000Lb)



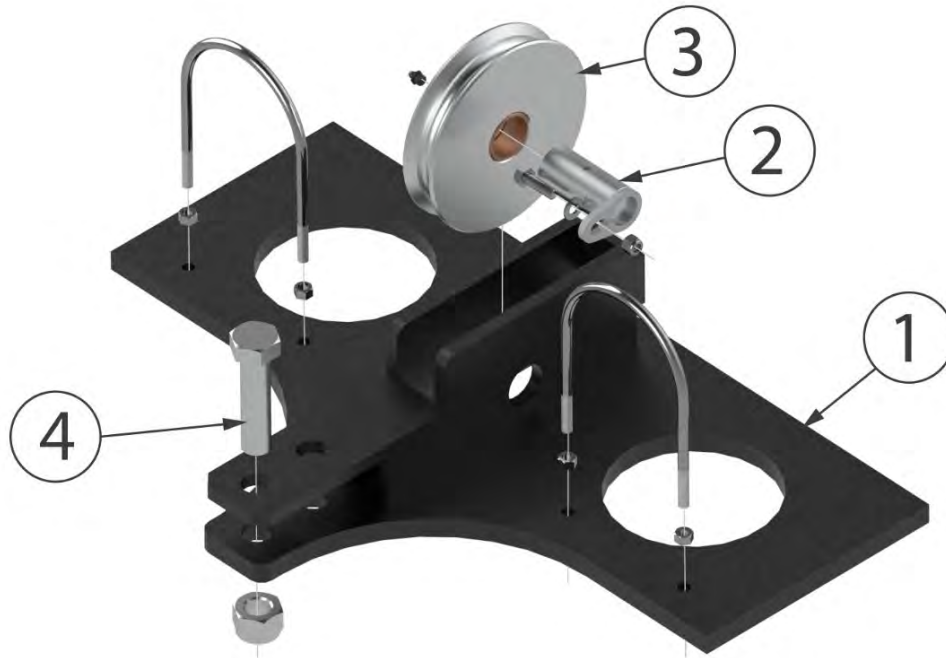
NO.	QTY	DESCRIPTION	PARTS NO.
	1	REAR ROLLER <b>OR,IO,AF,TS</b> (COMPLETE SET)	690-300-4200
1	1	ROLLER AXLE	690-300-4201
2	1	REAR ROLLER *	690-300-4000-S
	2	GREASE FITTINGS	
3	2	CLAMPING PLATE	690-300-4005
	1	REAR ROLLER <b>OR,IO,AF,TS</b> FOR TELESCOPIC TAIL (COMPLETE SET)	690-300-4000
1	1	ROLLER AXLE	690-300-4001
2	1	REAR ROLLER *	690-300-4000-S
	2	GREASE FITTINGS	
3	2	CLAMPING PLATE	690-300-4005
NO.	QTY	DESCRIPTION	PARTS NO.
4	1	REAR ROLLER <b>OR,IO,AF,TS</b> HARDWARE (SAME FOR ALL)	KT-690-300-4200
	4	HEX BOLT .63 x 5.00 – ZINC STEEL	
	4	HEX NUT .63 – STEEL	

\*Rollers come with their grease fittings

#### 4.4 FIXED TROLLEY

\*Pulley shafts are supplied with grease fittings.

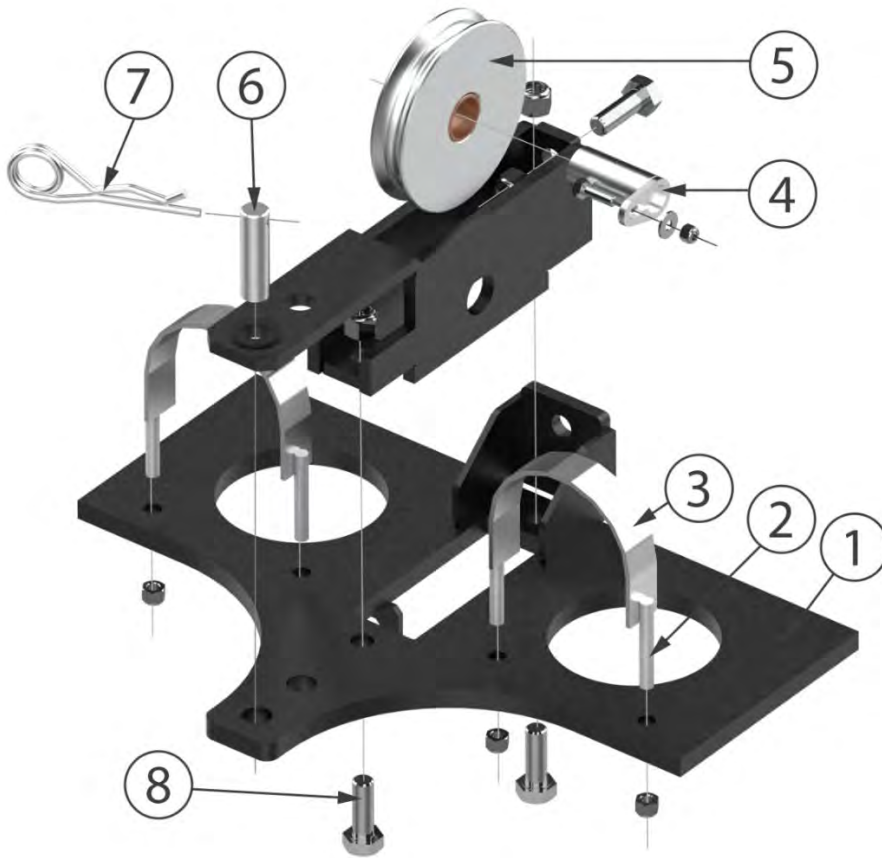
##### a. OR CAPACITY OF 20 000 Lb



NO.	QTY	DESCRIPTION	PARTS NO.
	1	FIXED TROLLEY <b>OR20</b> (COMPLETE SET)	690-250-4000
1	1	FIXED TROLLEY SUPPORT	690-250-4000-S
2	1	PULLEY AXLE *	690-250-9020
	1	GREASE FITTINGS	
3	1	PULLEY	690-250-9070

NO.	QTY	DESCRIPTION	PARTS NO.
4	1	FIXED TROLLEY <b>OR20</b> HARDWARE	KT-690-250-4000
	2	U-BOLT .375 x 5.13 ROUND IRON Ø3/8"	
	1	HEX BOLT 1.00 x 4.00Z – ZINC STEEL	
	1	HEX. NUT 1.0ZN – ZINC STEEL	
	4	HEX. NUT .38Z (GRADE 8) – ZINC STEEL	
	1	HEX. BOLT .375 x 1.25Z – ZINC STEEL	
	1	WASHER .38Z SAE – ZINC STEEL	
	1	HEX. NUT .38ZN (GRADE 8) – ZINC STEEL	

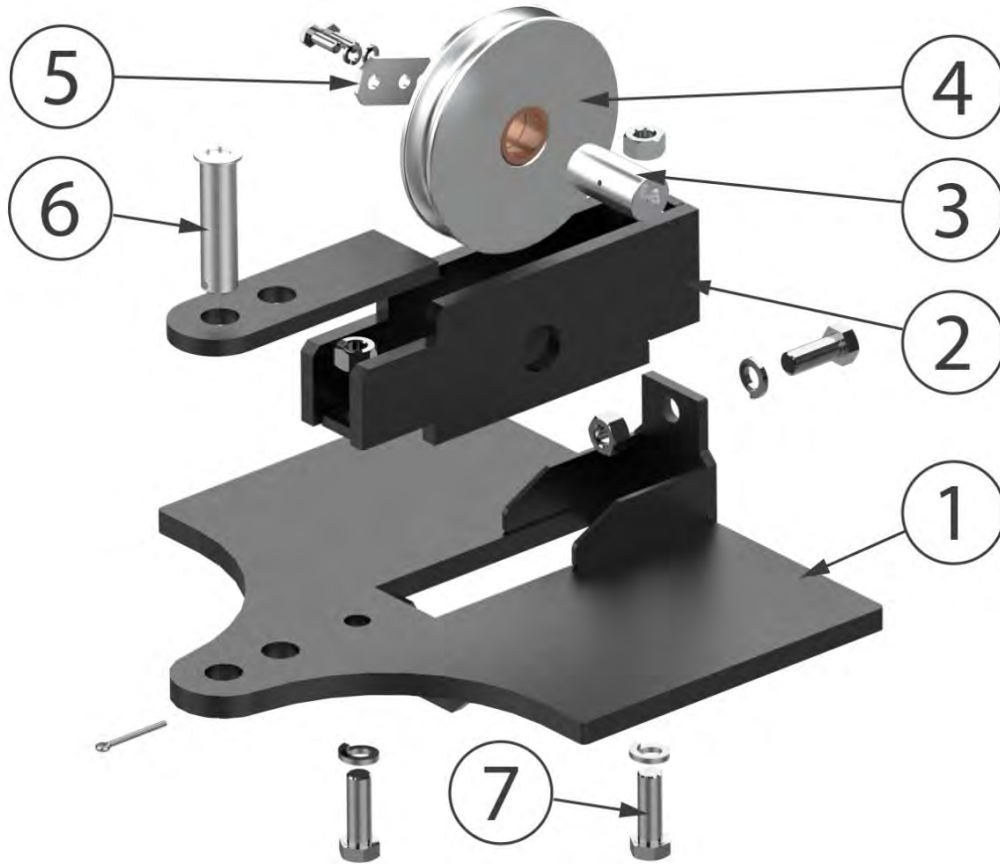
b. OR CAPACITY OF 35 000 Lb



NO.	QTY	DESCRIPTION	PARTS NO.
	1	FIXED TROLLEY OR35 (COMPLETE SET)	690-250-3500
1	1	FIXED TROLLEY SUPPORT	690-250-3500-S
2	4	TROLLEY FIXING - RODS	690-200-5014
3	2	TROLLEY MOUNTING	690-250-3552
4	1	PULLEY AXLE	690-250-9020
	1	GREASE FITTINGS	
5	1	PULLEY	690-250-9070
6	1	AXLE	690-700-1014
7	1	PIN	DV-0004-6151

NO.	QTY	DESCRIPTION	PARTS NO.
8	1	FIXED TROLLEY OR35 HARDWARE	KT-690-250-3500
	1	HEX. NUT .38ZN (GRADE 8) – ZINC STEEL	
	1	HEX. BOLT .375x 1.25Z – ZINC STEEL	
	1	.38Z USS WASHER – ZINC STEEL	
	3	HEX. NUT .75ZN – ZINC STEEL	
	3	HEX. BOLT .75x 2.25 – BLACK STEEL	
	4	HEX. NUT .50ZN (GRADE 8) – ZINC STEEL	

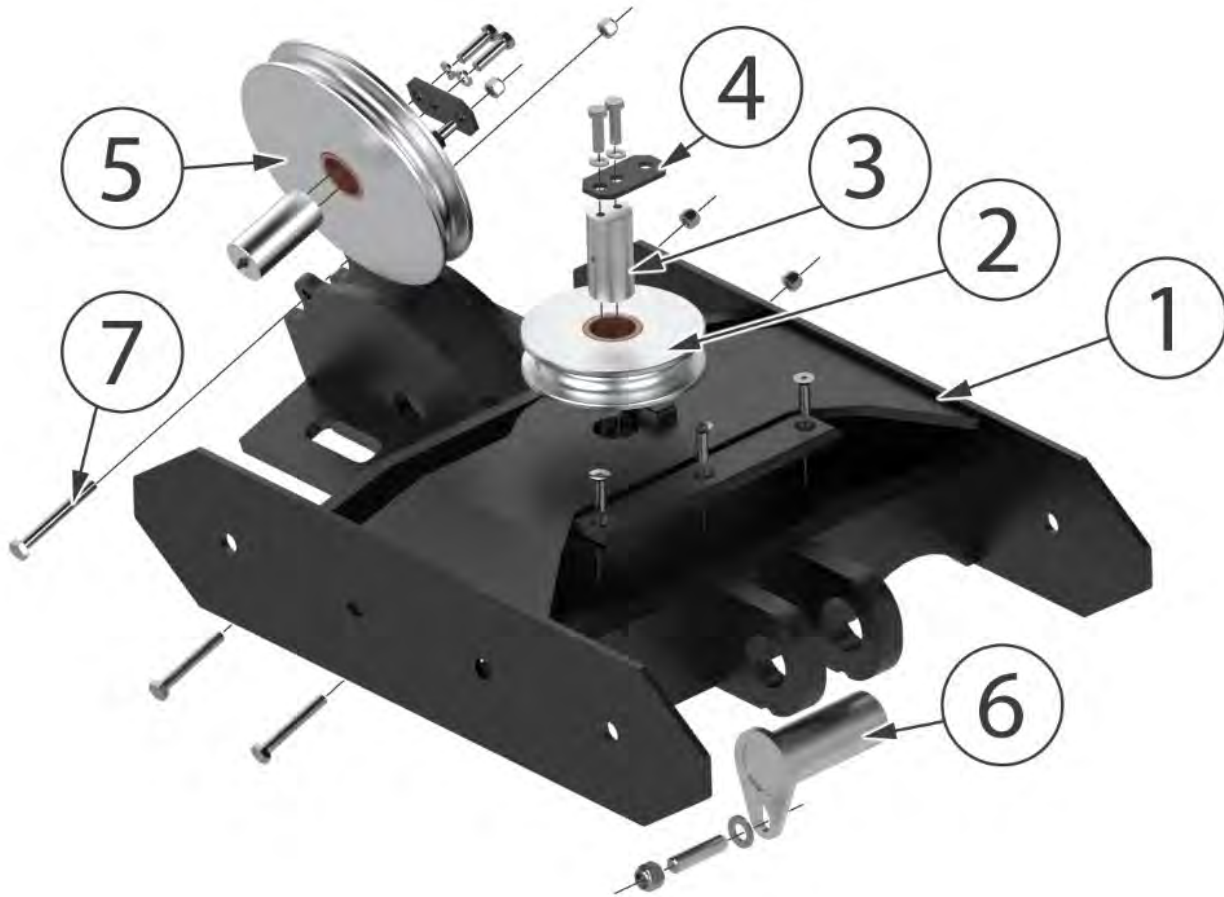
c. OR, IO, TS CAPACITY OF 60 000 & 75 000 Lb, OR CAPACITY OF 50 000 Lb (STANDARD)



NO.	QTY	DESCRIPTION	PARTS NO.
	1	FIXED TROLLEY 60/75 (COMPLETE SET)	690-250-3000
1	1	FIXED TROLLEY SUPPORT	690-250-3020
2	1	PULLEY SUPPORT	690-250-3030
3	1	PULLEY AXLE *	690-250-9003
	1	GREASE FITTINGS	
4	1	PULLEY	690-250-9100
	1	PULLEY (WHEN FRAME HEIGHT 10")	690-250-9070
5	1	MOUNTING PLATE	690-250-9002
6	1	FIXING PIN	690-250-3010

NO.	QTY	DESCRIPTION	PARTS NO.
7	1	FIXED TROLLEY 60/75 HARDWARE	KT-690-250-3000
	2	HEX. BOLT 1.00x 3.00Z (GRADE 5) – ZINC STEEL	
	3	LOCK WASHER 1.00Z – ZINC STEEL	
	3	HEX. NUT 1.0 – BLACK STEEL	
	1	HEX. BOLT 1.00x 2.50Z (GRADE 5) – ZINC STEEL	
	2	HEX. BOLT .50x 1.50Z (GRADE 8) – ZINC STEEL	
	2	LOCK WASHER .50Z – ZINC STEEL	
	1	PIN	

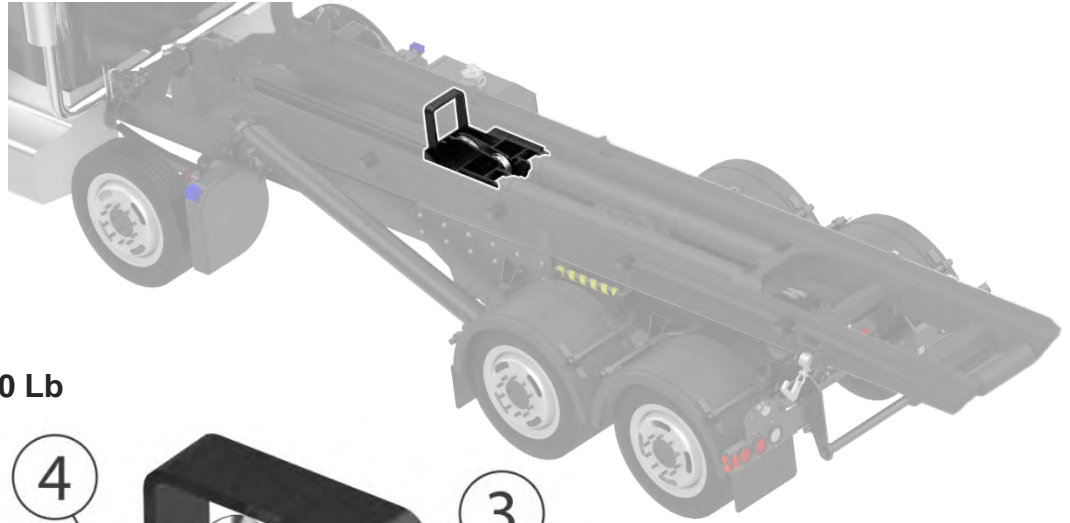
d. AF CAPACITY OF 60 000



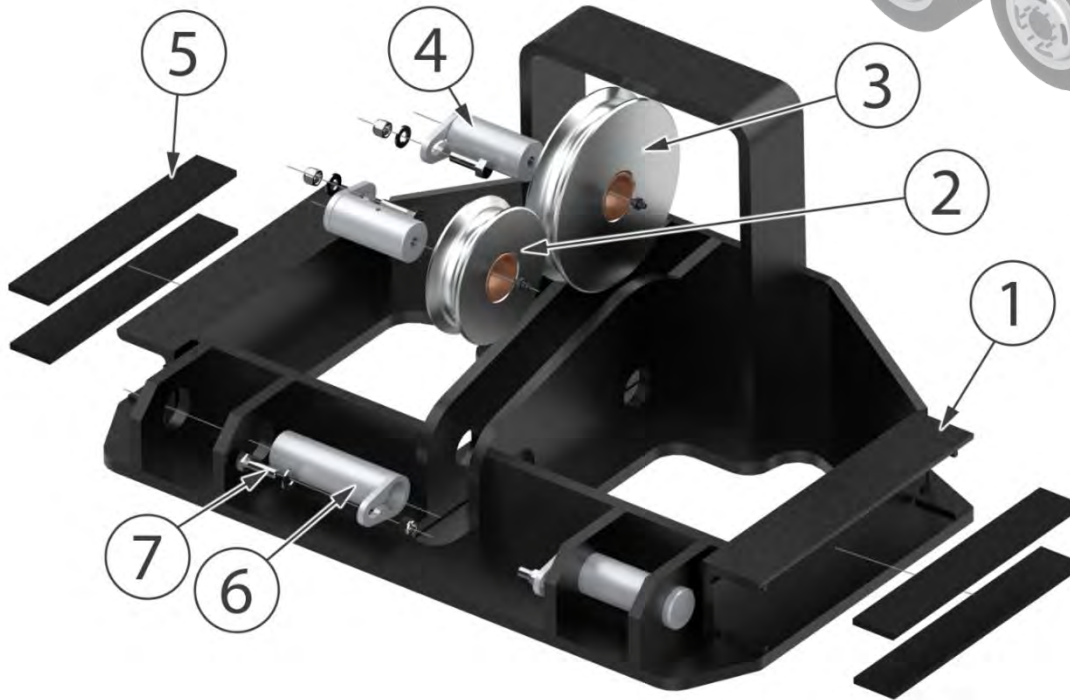
NO.	QTY	DESCRIPTION	PARTS NO.
	1	FIXED TROLLEY AF (COMPLETE SET)	690-250-3100
1	1	FIXED TROLLEY SUPPORT	690-250-3100-S
2	1	PULLEY 1	690-250-9180
3	2	PULLEY AXLE *	690-250-9003
	1	GREASE FITTINGS	
4	2	MOUNTING PLATE	690-250-9002
5	1	PULLEY 2	690-250-9120
6	1	CYLINDER AXLE	690-200-2110

NO.	QTY	DESCRIPTION	PARTS NO.
7	1	FIXED TROLLEY AF HARDWARE	KT-690-250-3100
	4	HEX. BOLT .50x 1.75Z (GRADE 8) – ZINC STEEL	
	4	LOCK WASHER .50Z – ZINC STEEL	
	4	HEX. NUT 0.50ZN (GRADE 8) – ZINC STEEL	
	1	HEX. BOLT .50x 1.00 – BLACK STEEL	
	3	BOUL. HEX. .50x 4.50Z (GRADE 8) – ACIER ZINC	
	3	COUNTERSUNK HEAD BOLT 6PC .50x 1.75 – STEEL	

## 4.5 MOBILE TROLLEY



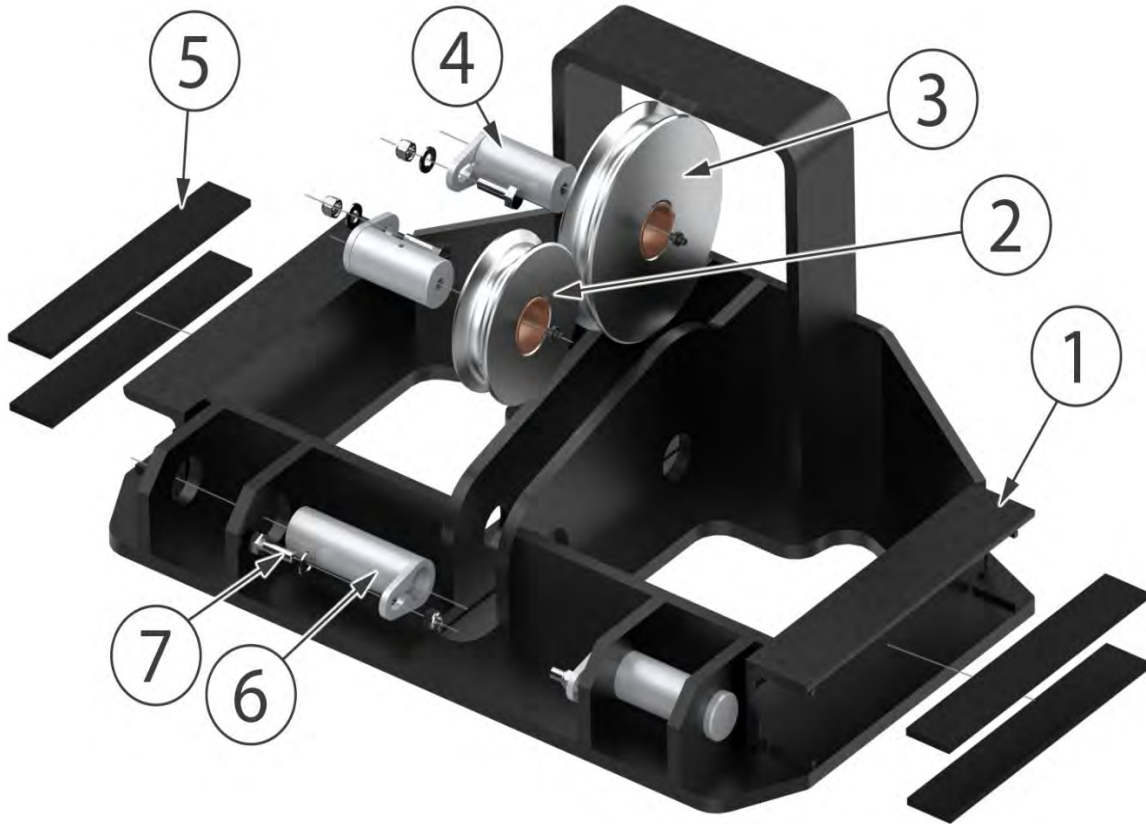
### a. OR CAPACITY OF 20 000 Lb



NO.	QTY	DESCRIPTION	PARTS NO.
	1	MOBILE TROLLEY <b>OR20</b> (COMPLETE SET)	690-250-2000
1	1	MOBILE TROLLEY SUPPORT	690-250-2000-S
2	1	PULLEY 1	690-250-9050
3	1	PULLEY 2	690-250-9070
4	2	PULLEY AXLE	690-250-9020
	2	GREASE FITTINGS	
5	4	PADS	690-250-2009
6	2	CYLINDER AXLE	690-250-2010

NO.	QTY	DESCRIPTION	PARTS NO.
7	1	MOBILE TROLLEY <b>OR20</b> HARDWARE	KT-690-250-2000
	4	HEX. BOLT .375x 1.25Z – ZINC STEEL	
	4	WASHER .38Z SAE – ZINC STEEL	
	4	HEX. NUT .38ZN (GRADE 5) – ZINC STEEL	

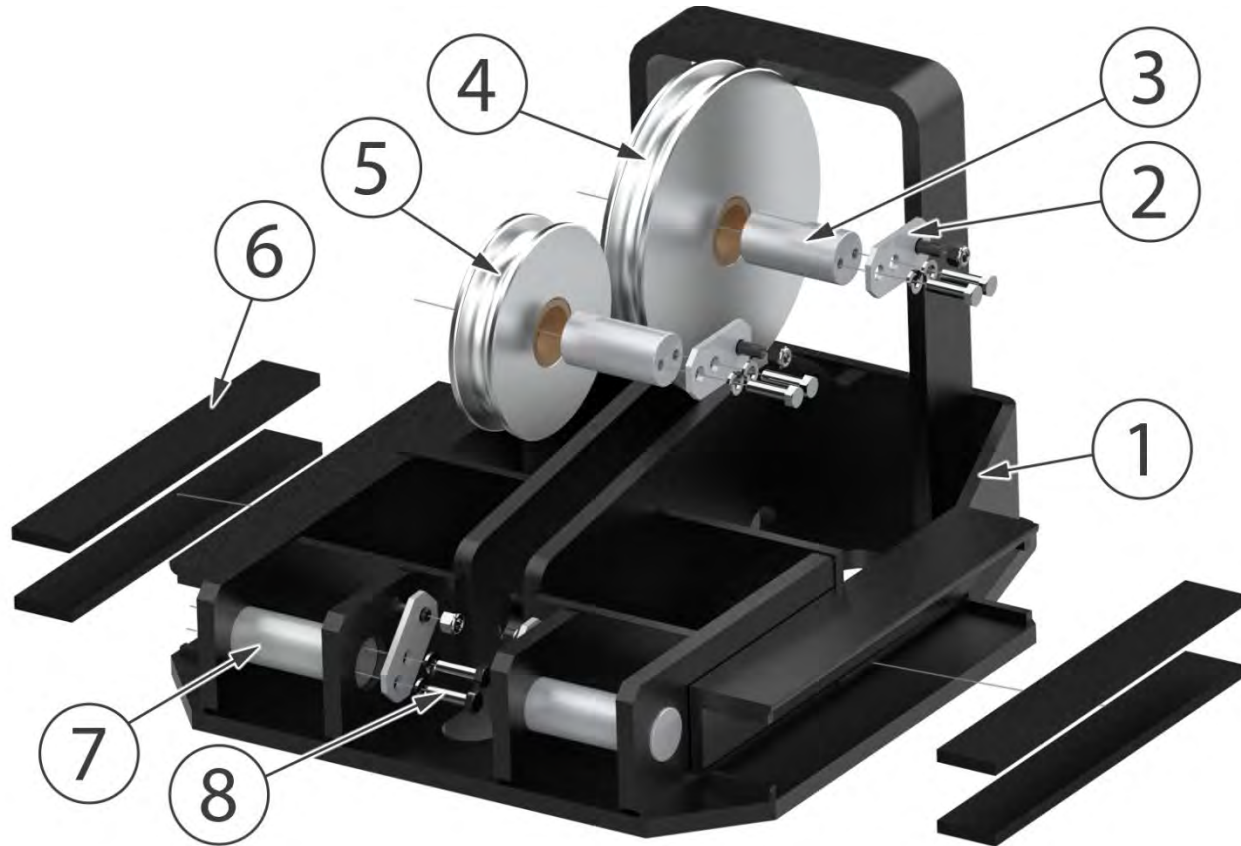
b. OR CAPACITY OF 35 000 Lb



NO.	QTY	DESCRIPTION	PARTS NO.
	1	MOBILE TROLLEY <b>OR35</b> (COMPLETE SET)	690-250-1500
1	1	MOBILE TROLLEY SUPPORT	690-250-1500-S
2	1	PULLEY 1	690-250-9040
3	1	PULLEY 2	690-250-9070
4	2	PULLEY AXLE	690-250-9020
	2	GREASE FITTINGS	
5	4	PADS	690-250-2009
6	2	CYLINDER AXLE	690-700-1005

NO.	QTY	DESCRIPTION	PARTS NO.
7	1	MOBILE TROLLEY <b>OR35</b> HARDWARE	KT-690-250-1500
	2	HEX. BOLT .375x 1.25Z – ZINC STEEL	
	2	.38Z USS WASHER – ZINC STEEL	
	2	HEX. NUT .38ZN (GRADE 8) – ZINC STEEL	
	2	BOUL. HEX .63x 1.25Z	
	2	HEX. FLANGE NUT .63Z SERRATED – ZINC STEEL	

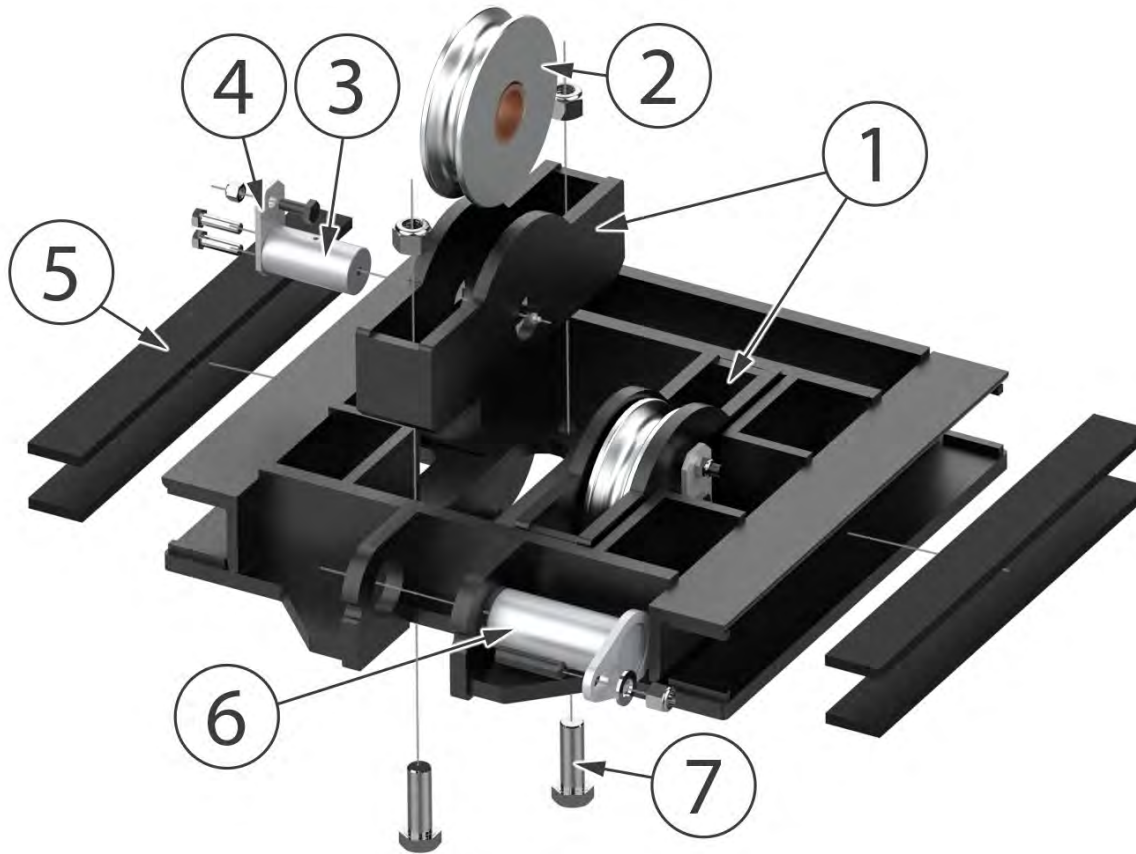
c. OR, IO, TS CAPACITY OF 60 000 & 75 000 Lb, OR CAPACITY OF 50 000 Lb



NO.	QTY	DESCRIPTION	PARTS NO.
	1	MOBILE TROLLEY 60/75 (ENSEMBLE COMPLET)	690-250-1000
1	1	MOBILE TROLLEY SUPPORT	690-250-1000-S
2	3	MOUNTING PLATE	690-250-9002
3	2	PULLEY AXLE *	690-250-9003
	2	GREASE FITTINGS	
4	1	PULLEY 1	690-250-9120
5	1	PULLEY 2	690-250-9180
6	4	PADS	690-250-1012
7	2	CYLINDER AXLE	690-250-1013

NO.	QTY	DESCRIPTION	PARTS NO.
8	1	MOBILE TROLLEY 60/75 HARDWARE	KT-690-250-1000
	8	HEX. BOLT .50x 1.75Z (GRADE 8) – ZINC STEEL	
	8	LOCK WASHER .50Z – ZINC STEEL	
	4	HEX. NUT .50ZN (GRADE 8) – ZINC STEEL	
	4	HEX. BOLT .50x 1.25Z (GRADE 8) – ZINC STEEL	

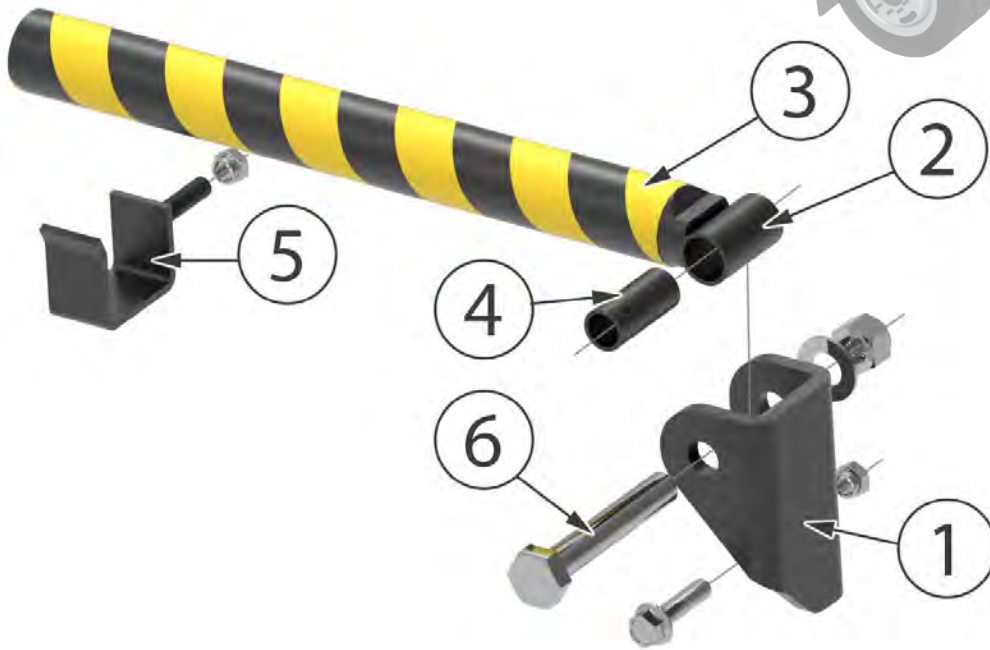
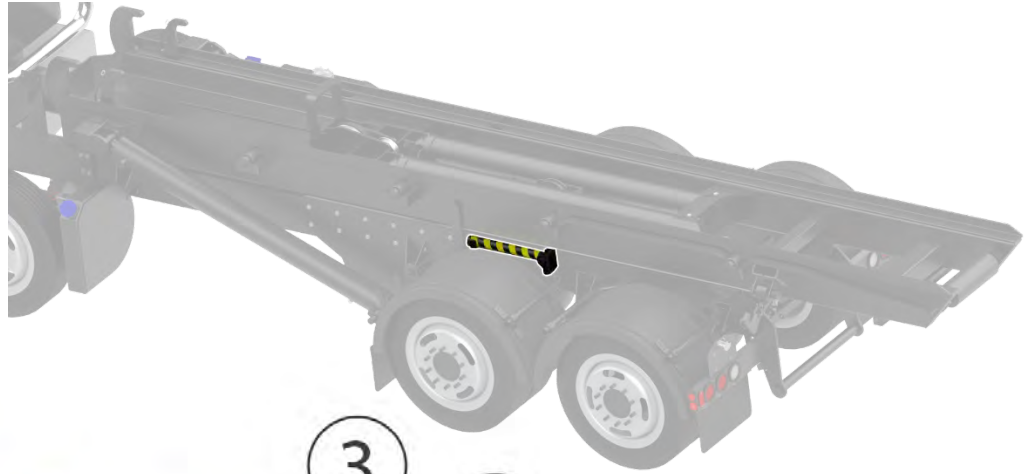
d. AF CAPACITY OF 60 000



NO.	QTY	DESCRIPTION	PARTS NO.
	1	MOBILE TROLLEY AF (COMPLETE SET)	690-250-1200
1	1	MOBILE TROLLEY SUPPORT	690-250-1200-S
2	3	PULLEY	690-250-9180
3	2	PULLEY AXLE *	690-250-9003
	2	GREASE FITTINGS	
4	1	MOUNTING PLATE	690-250-9002
5	1	PADS	690-250-1209
6	4	CYLINDER AXLE	690-250-1220

NO.	QTY	DESCRIPTION	PARTS NO.
7	1	MOBILE TROLLEY AF HARDWARE	KT-690-250-1200
	4	HEX. BOLT 1.00x 3.00Z (GRADE 8) – ZINC STEEL	
	4	HEX. NUT 1.0ZN (GRADE 8) – ZINC STEEL	
	4	HEX. BOLT .50x 1.75Z (GRADE 8) – ZINC STEEL	
	2	HEX. BOLT .50x 1.25 – BLACK STEEL	
	2	HEX. NUT .50ZN (GRADE 8) – ZINC STEEL	
	1	STUD .75x 3.00 - STEEL	
	1	WASHER .75Z SAE – ZINC STEEL	
	1	HEX. NUT .75ZN (GRADE 8) – ZINC STEEL	

## 4.6 BODY PROPS



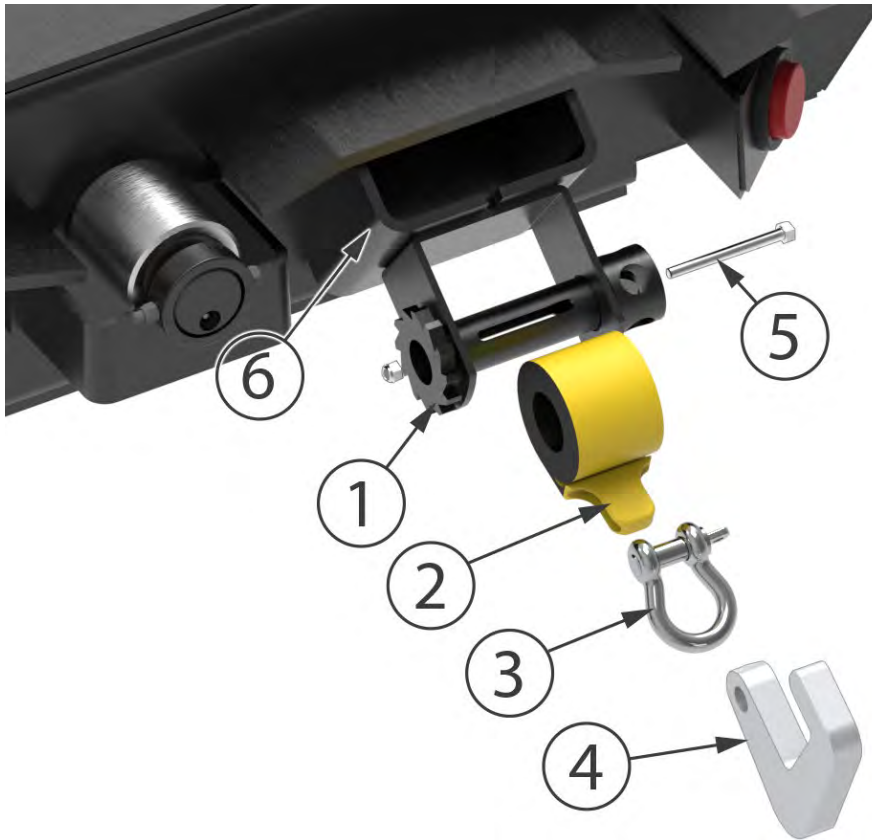
NO.	QTY	DESCRIPTION	PARTS NO.
	1	BODY PROPS (COMPLETE SET)	690-400-1000
1	1	BODY PROP SUPPORT	690-400-1001
2	1	SUPPORT ARM	690-400-1010
3	1	BLACK AND YELLOW SELF-ADHESIVE TAPE	DV-0012-1673
4	1	ARM ROLLER	690-400-1002
5	1	HOLDING HOOK	690-400-1030

NO.	QTY	DESCRIPTION	PARTS NO.
6	1	BODY PROPS HARDWARE	KT-690-400-1000
	2	HEX. NUT .63Z (SELF-LOCKING GR8) – ZINC STEEL	
	1	HEX. FLANGE BOLT .63x 2.50 (GRADE 8) – BLACK STEEL	
	1	HEX. NUT 1.0ZN (GRADE 8) – ZINC STEEL	
	1	WASHER 1.00Z SAE – ZINC STEEL	
	1	HEX. BOLT 1.00x 6.00Z - STEEL	

## 4.7 LASHING HOOK



### HOOK a.



NO.	QTY	DESCRIPTION	PARTS NO.
	1	LASHING HOOK (COMPLETE SET)	690-450-4000
1	1	DRIVER SIDE SUPPORT	WIN-0001-0009
	1	PASSENGER SIDE SUPPORT	WIN-0001-0008
2	1	STRIP	DV-0004-5987
3	1	SHACKLE	DV-0013-2005
4	1	HOOK	690-450-4001
5	1	HEX. BOLT .375 x 4.00Z (GRADE 8) - STEEL	
	1	HEX. NUT .38ZN (GRADE 5) - ZINC STEEL	

### HOOK b.

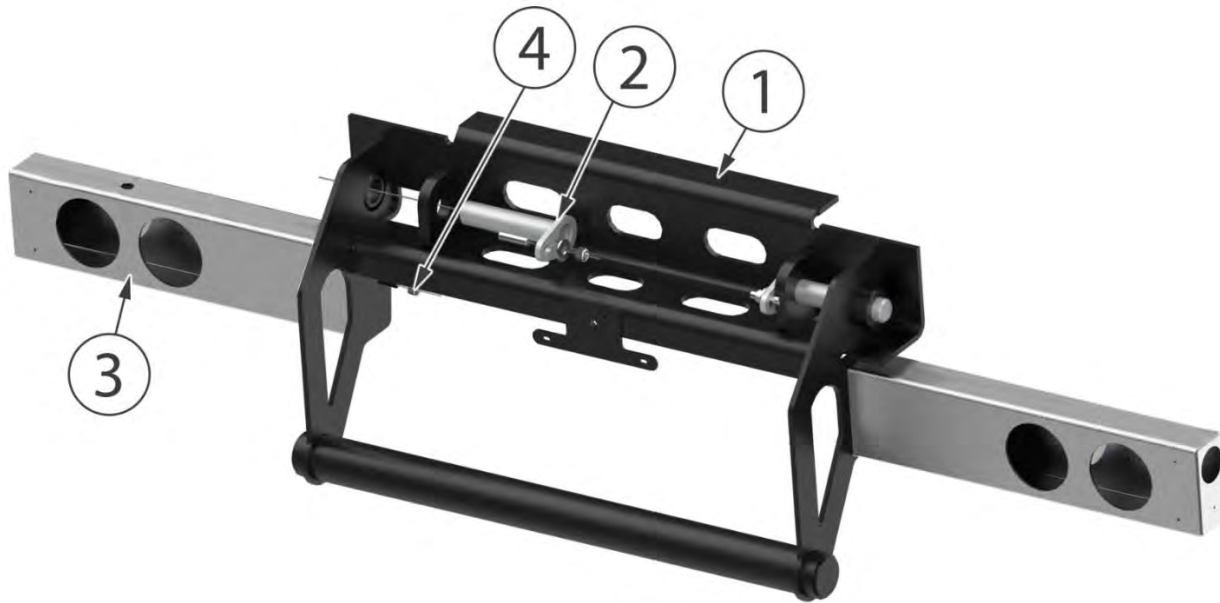
NO.	QTY	DESCRIPTION	PARTS NO.
	1	LASHING WITH CHAIN (COMPLETE SET)	DV-0004-1051
6	1	LASHING HOOK SUPPORT	690-450-4012

## 4.8 STANDARD REAR BUMPER

For the "PUP" attachment option, go to section 7.5 Bumpers in the options.



### a. OR CAPACITY OF 20 000 Lb

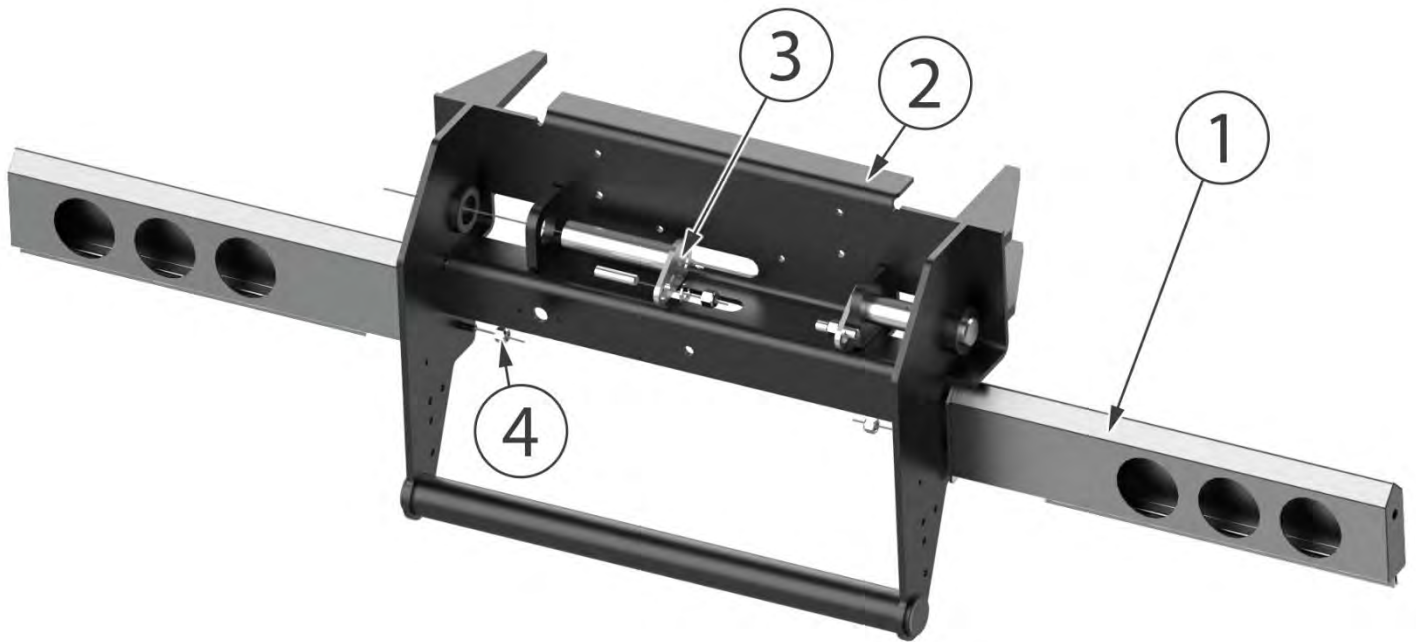


NO.	QTY	DESCRIPTION	PARTS NO.
	1	BUMPER <b>OR20</b> (COMPLETE SET)	690-100-3000
1	1	BUMPER	690-100-3000-S
2	2	AXLE *	690-100-3010
	2	GREASE FITTINGS	
3	1	DRIVER SIDE BUMPER WING	690-100-9013
4	1	PASSENGER SIDE BUMPER WING	690-100-9013B

NO.	QTY	DESCRIPTION	PARTS NO.
5	1	BUMPER <b>OR20</b> HARDWARE	KT-690-100-3000
	2	STUD .50x 2.00 – BLACK STEEL	
	2	WASHER .50Z – ZINC STEEL	
	2	HEX. NUT .50ZN	
	2	HEX. NUT .63ZN – ZINC STEEL	

\*Axles come with their grease fittings

b. OR CAPACITY OF 35 000 Lb

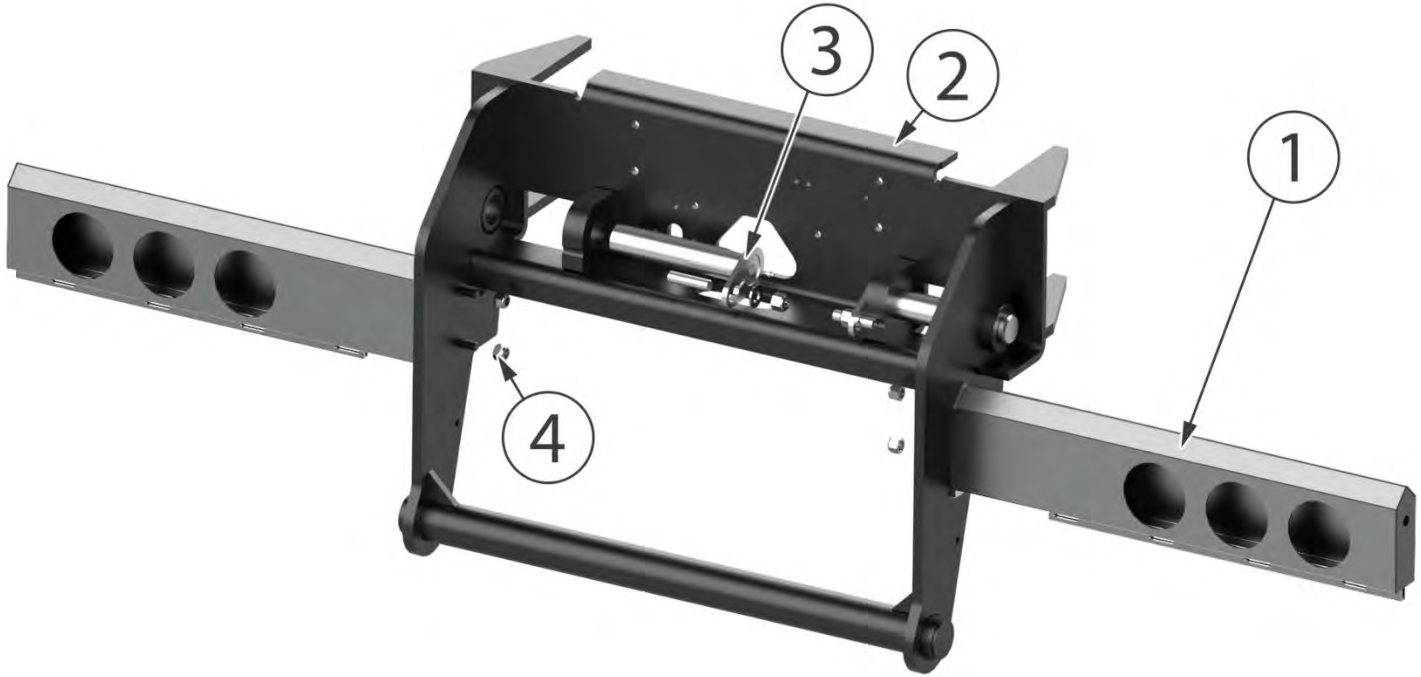


NO.	QTY	DESCRIPTION	PARTS NO.
	1	BUMPER OR35 (COMPLETE SET)	690-100-3530
1	1	BUMPER WINGS (2)	DV-0004-1923
2	1	BUMPER	690-100-3530-S
3	2	AXLE *	690-700-1016
	2	GREASE FITTINGS	

NO.	QTY	DESCRIPTION	PARTS NO.
4	1	BUMPER OR35 HARDWARE	KT-690-100-1030
	4	HEX. NUT .63ZN (GRADE 8) – ZINC STEEL	
	2	HEX. NUT .75ZN (GRADE 8) – ZINC STEEL	
	2	WASHER .75Z SAE – ZINC STEEL	
	2	STUD .75x 3.00 - STEEL	

\*Axles come with their grease fittings

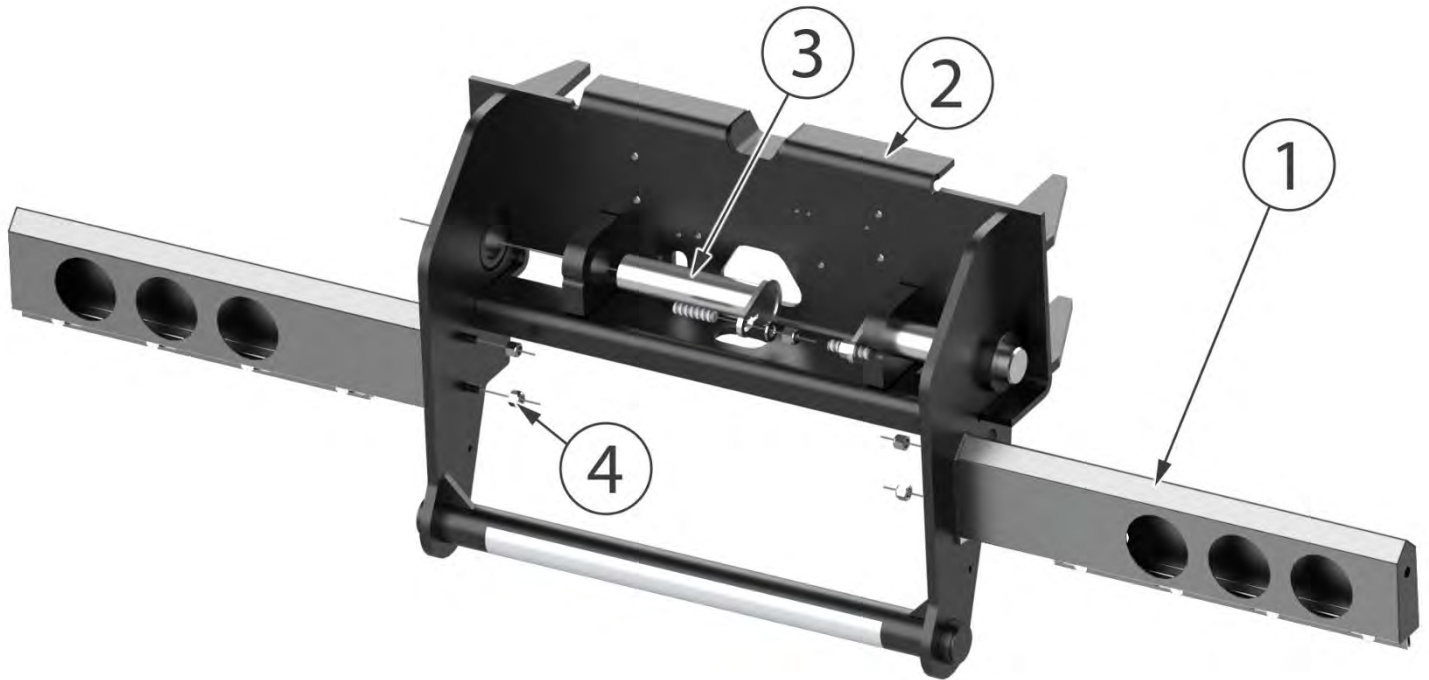
c. OR, IO, TS CAPACITY OF 60 000 & 75 000 Lb, OR CAPACITY OF 50 000 Lb



NO.	QTY	DESCRIPTION	PARTS NO.
	1	BUMPER <b>60/70</b> (COMPLETE SET)	690-100-1030
1	1	BUMPER WINGS (2)	DV-0004-1923
2	1	BUMPER	690-100-1030-S
3	2	AXLE *	690-700-1015
	2	GREASE FITTINGS	

NO.	QTY	DESCRIPTION
4	1	BUMPER <b>60/75</b> HARDWARE
	4	HEX. NUT .63ZN (GRADE 8) – ZINC STEEL
	2	HEX. NUT .75ZN (GRADE 8) – ZINC STEEL
	2	WASHER .75Z SAE – ZINC STEEL
	2	STUD .75x 3.00 - STEEL

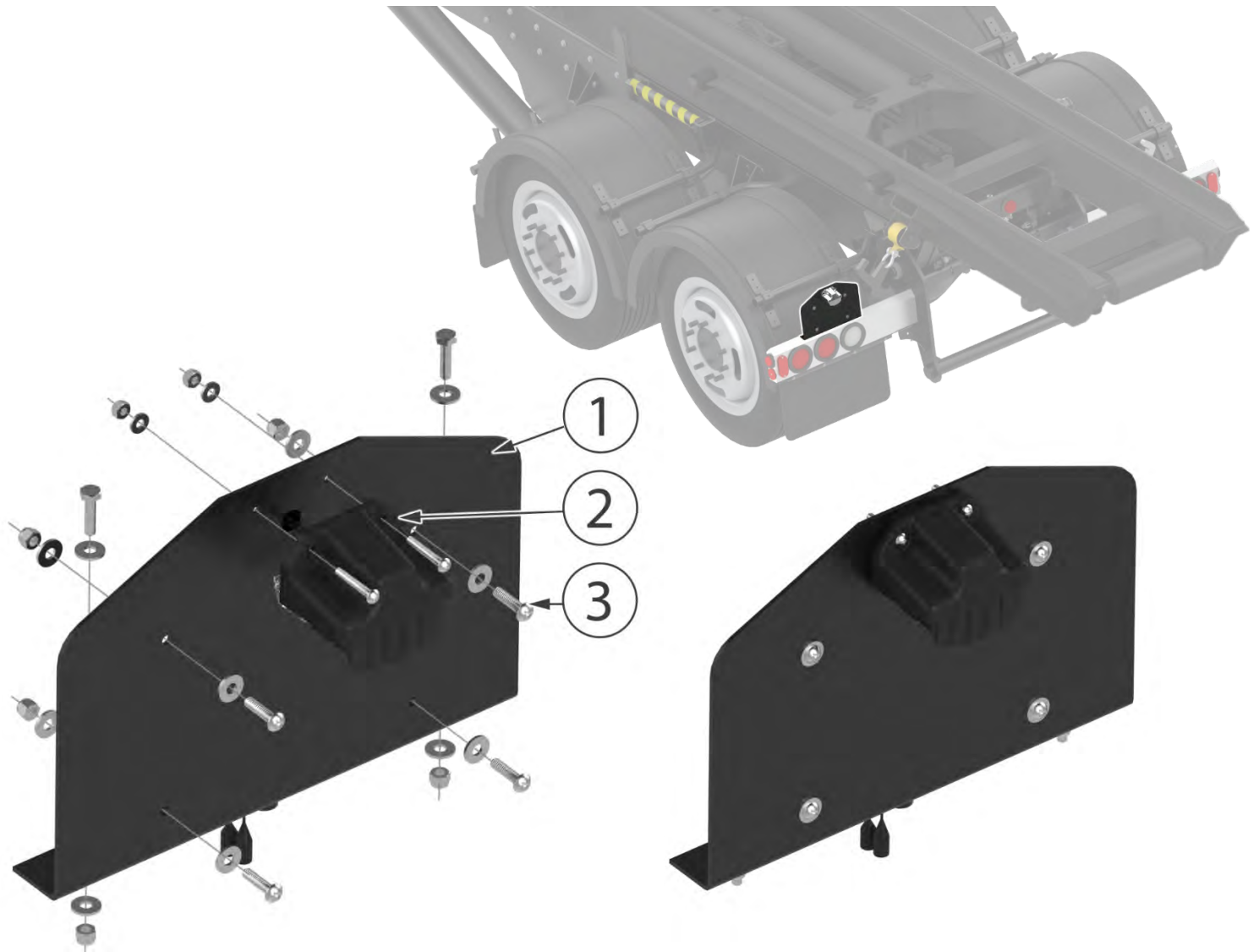
d. AF CAPACITY 60 000



NO.	QTY	DESCRIPTION	PARTS NO.
	1	BUMPER AF60/75 (COMPLETE SET)	690-100-1330
1	1	BUMPER WINGS (2)	DV-0004-1923
2	1	BUMPER	690-100-1330-S
3	2	AXLE *	690-100-1310
	2	GREASE FITTINGS	

NO.	QTY	DESCRIPTION
4	1	BUMPER AF60/75 HARDWARE
	4	HEX. NUT .63ZN (GRADE 8) – ZINC STEEL
	2	HEX. NUT .75ZN (GRADE 8) – ZINC STEEL
	2	WASHER .75Z SAE – ZINC STEEL
	2	STUD .75x 3.00 - STEEL

**e. LICENSE PLATE HOLDERS WITH LIGHT INCLUDED**

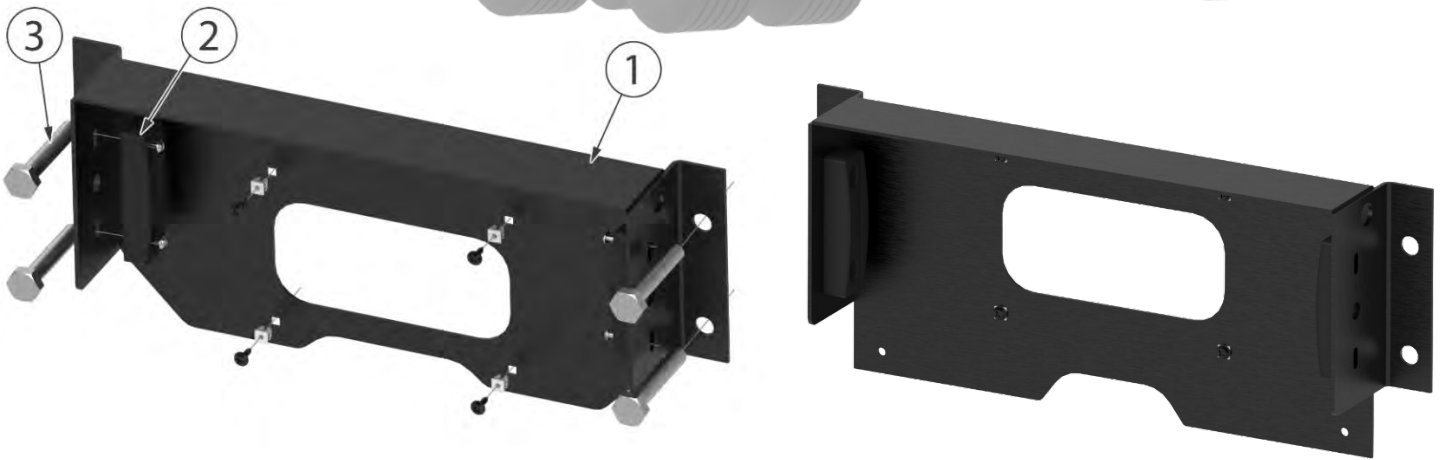
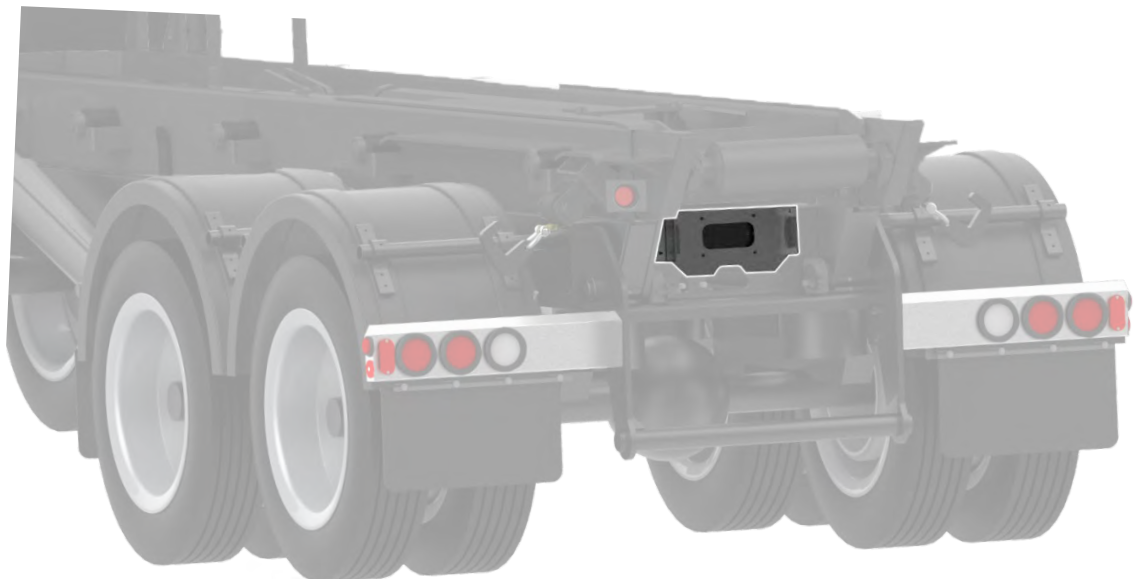


NO.	QTY	DESCRIPTION	PARTS NO.
	1	LICENSE PLATE HOLDER (COMPLETE SET)	690-100-9050
1	1	SUPPORT	690-100-9051
2	1	LIGHT	ELE-0001-0068

NO.	QTY	DESCRIPTION	PARTS NO.
3	1	LICENSE PLATE HOLDER HARDWARE	KT-690-100-9050
	2	ROUND HEAD SCREW SQUARE BIT 10-32x1.25Z – ZINC STEEL	
	2	WASHER #10Z SAE – ZINC STEEL	
	2	LOCK NUT 10-32Z – ZINC STEEL	
	4	ROUND HEAD SCREW SQUARE DRIVE .25-20x1.00Z – ZINC STEEL	
	12	WASHER .25SS SAE – STAINLESS STEEL.	
	6	HEX. NUT .25ZN – ZINC STEEL	
	2	HEX. BOLT .25x 1.00SS – STAINLESS STEEL	

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 the images/charts - Contact Durabac.





NO.	QTY	DESCRIPTION	PARTS NO.
	1	STANDARD LICENSE SUPPORT (COMPLETE SET)	690-100-9080
1	1	SUPPORT	690-100-9080-S
2	1	LIGHT	DV-0001-4402
	1	LICENSE HOLDER FOR TELESCOPIC TAIL (COMPLETE SET)	690-100-9070
1	1	SUPPORT	690-100-9070-S
2	1	LIGHT	DV-0001-4402

NO.	QTY	DESCRIPTION	PARTS NO.
3	1	LICENSE SUPPORT HARDWARE	KT-690-100-9080
	4	#8 STAR X 0.625 SCREW - BLACK STEEL	
	4	EXPANSION DOCK - DV-0004-7244	
	4	HEX. BOLT .50x 2.00Z - ZINC STEEL	
	4	HEX. NUT .50 ZN (GRADE 8) - ZINC STEEL	
	8	WASHER .50ZN - ZINC STEEL	

**f. MUDGUARDS**

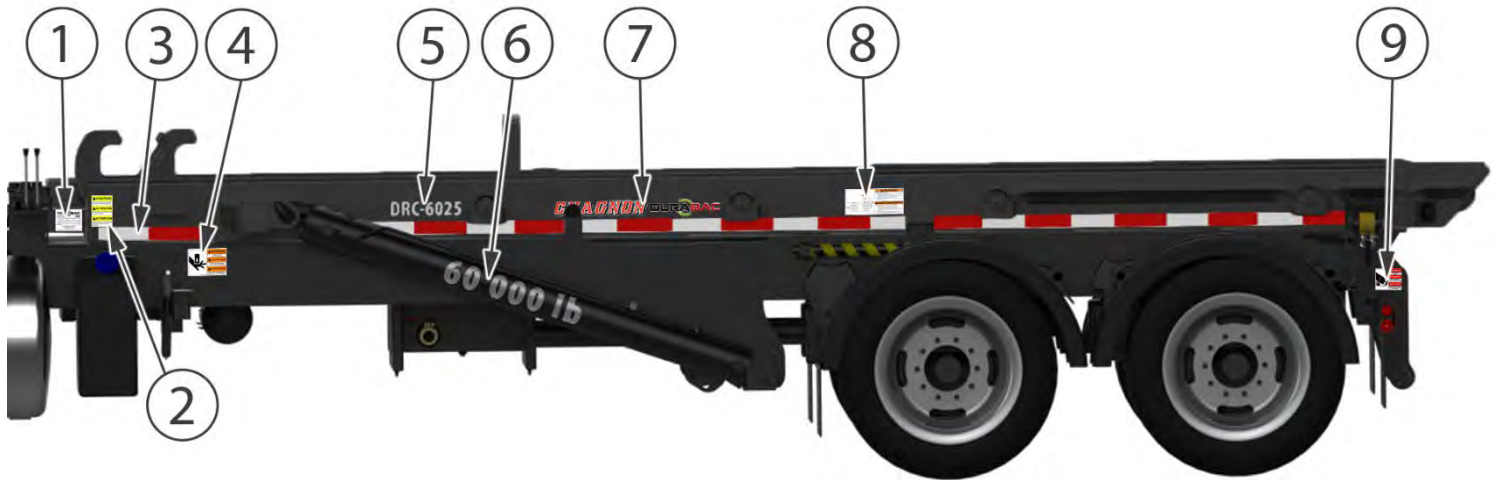


NO.	QTY	DESCRIPTION	PARTS NO.
1	1	STANDARD MUDGUARD - 24" x 14" x 1/4"	GAR-2414-0001
1	1	MUDGUARD - 24" x 18" x 1/4"	GAR-2418-0002
1	1	MUDGUARD - 24" x 24" x 1/4"	GAR-2424-0003
1	1	MUDGUARD - 24" x 36" x 1/4"	GAR-2434-0004

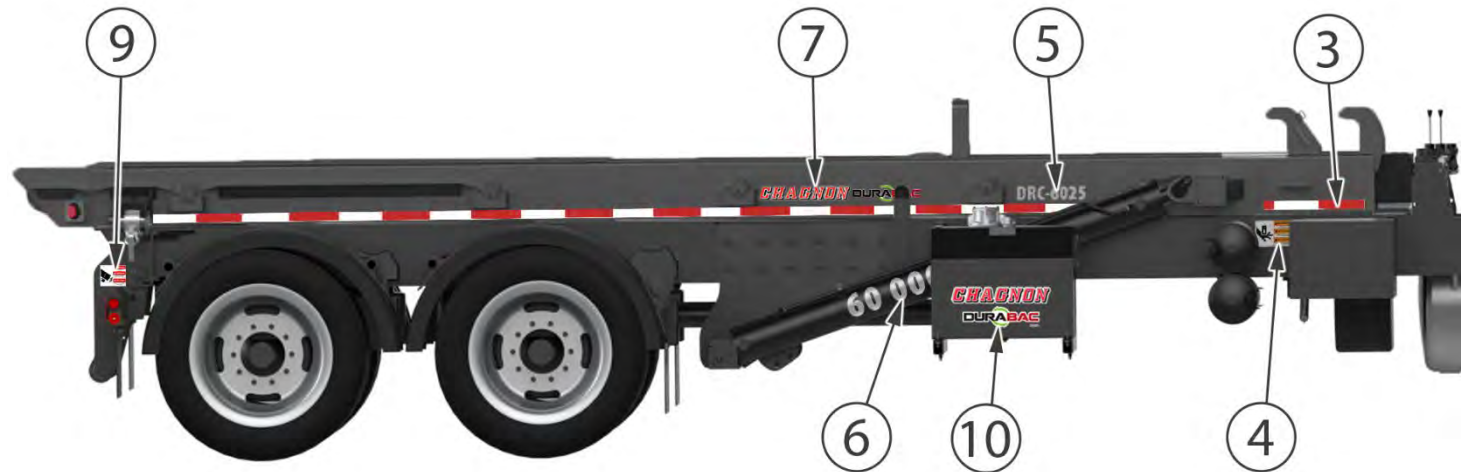
NO.	QTY	DESCRIPTION	PARTS NO.
2	1	MUDGUARD HARDWARE	KT-GAR-2414
	4	HEX. BOLT .313x 1.25SS – STAINLESS STEEL	
	8	WASHER .3125SS – STAINLESS STEEL	
	4	HEX. NUT .31ZN – ZINC STEEL	

## 4.9 SAFETY LABELS AND REQUIRED INSTRUCTIONS

### DRIVER'S SIDE



### PASSENGER SIDE



NO.	QTY	DESCRIPTION	LABELS NO.
1	1	SERIAL/MODEL NUMBER	DV-0004-0001
2	1	CAUTION - MUST BE OPERATED BY TRAINED PERSONNEL	DV-0015-1742
3	5	2" RED AND WHITE REFLECTIVE STRIP	DV-0004-1457
4	2	WARNING - PINCH POINT	DV-0015-2310
5	2	MODEL NUMBER <b>XXYY</b> (LIFTING CAPACITY x LENGTH - Section 3.1)	DV-0015- <b>XXYY</b>
6	2	LIFTING CAPACITY (EX: 60 000=DV-0015-6000, 24 000=DV-0015-2400...)	DV-0015- <b>XXXX</b>
7	2	CHAGNON - DURABAC	DV-0015-2247
8	1	ENGAGE DE BODYPROP	DV-0015-2249
9	2	DANGER - CRUSHING	DV-0015-1914
10	1	CHAGNON - DURABAC SQUARE	DV-0015-1943

**DURABAC**  
**CHAIGNON** *Jura Life*  
 FABRIQUER / MADE IN CANADA, PAR / BY LES CONTENANTS DURABAC INC.  
 DATE:  /  /   
 SERIAL#:   
 #SERIE:   
 MODEL#:   
 #MODÈLE:   
 THIS EQUIPMENT CONFORMS WITH  
 CET EQUIPEMENT EST CONFORME AUX  
**ANSI Z245.1-2012**  
 www.durabac.ca 22 Milton Granby, QC, J2J 0P2 800.565.1723

1

**! CAUTION**

Must be operated by only authorized, fully trained and qualified personnel.

**! ATTENTION**

Doit-être opéré par le personnel formé et autorisé seulement.

**! ATENCION**

Debe ser operado por sólo autorizada, totalmente capacitados y personal cualificado.

2

3

DV-0015-1742



	<b>! WARNING</b> <b>PINCH POINT</b> Keep hands and fingers clear.
	<b>! AVERTISSEMENT</b> <b>POINT DE PINCEMENT</b> Garder les mains et les doigts dégagés.
	<b>! ADVERTENCIA</b> <b>PUNTO DE COMPRESION</b> Mantenga las manos y los dedos alejados.
	<small>DV-0015-2310</small>

4

5

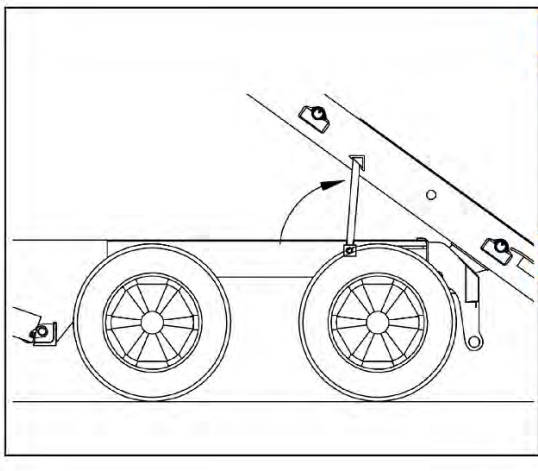
**DRC-6025**

# 60 000 lb

6

# CHAGNON DURABAC

7



<b>⚠ WARNING</b>	
<b>ENGAGE BODY PROP</b>	
<ol style="list-style-type: none"> <li>1 - RAISE UPPER FRAME UP UNTIL PROP TUBING IS ABLE TO SWING UPWARDS FREE AND CLEAR</li> <li>2 - LOWER THE UPPER FRAME SLOWLY UNTIL THE END OF THE TUBING ENGAGES INTO THE SUPPORT ANGLE</li> <li>3 - INSPECT THE BODY PROP TO ENSURE IT IS PROPERLY ENGAGED</li> </ol>	
<b>⚠ AVERTISSEMENT</b>	
<b>ENCLANCHER LE SUPPORT DU CHASSIS</b>	
<ol style="list-style-type: none"> <li>1 - SOULEVER LE HAUT DU CHASSIS JUSQU'À CE QUE LE SUPPORT PUISSE SE BALANÇER VERS LE HAUT</li> <li>2 - ABAISSER LENTEMENT LE HAUT DU CHASSIS JUSQU'À CE QUE L'EXTRÉMITÉ DU SUPPORT S'ENGAGE DANS LE SUPPORT A ANGLE</li> <li>3 - FAIRE L'INSPECTION DU SUPPORT DU CHASSIS AFIN DE S'ASSURER QU'IL EST ENGAGÉ CORRECTEMENT</li> </ol>	

DV-0015-2249

8



	<b>⚠ DANGER</b>
	CRUSH HAZARD STAND CLEAR WHEN HOIST IS BEING OPERATED
	<b>⚠ DANGER</b>
	DANGER D'ÉCRASEMENT TENEZ-VOUS ÉLOIGNÉ QUAND LE SYSTÈME DE LEVAGE EST EN MARCHER
	<b>⚠ PELIGRO</b>
	PELIGRO DE APLASTAMIENTO ALÉJESE CUANDO ALZAMIENTO ESTÁ SIENDO OPERADO

TDA00215-1014

9

# CHAGNON DURABAC

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# 5. HYDRAULIC

## 5.1 HYDRAULIC CYLINDERS



### a. LIFTING CYLINDER

FRAME LENGTH	CAPACITY	COMPATIBILITY	BORE	COURSE	CLOSED	PARTS NO.
16'	20 000lb	OR	4"	48"	58"	CYL-BU00-4048
16' & 20'	35 000lb	OR	5"	50"	62"	CYL-BU01-5054
22'	60 000lb	OR, IO & TS	5"	78"	92-1/2"	CYL-0501-0200
22', 24' & 26'	60 000lb	OR, IO & TS	6-1/2"	78"	92-1/2"	CYL-0501-0202
24' & 26'	60 000lb	OR, IO & TS	6-1/2"	84"	98-1/2"	CYL-0501-0248
22'	75 000lb	OR, IO & TS	6-1/2"	78"	92-1/2"	CYL-0501-0202
22', 24' & 26'	75 000lb	OR, IO & TS	7-1/2"	78"	92-1/2"	CYL-0501-0204
24' & 26'	75 000lb	OR, IO & TS	7-1/2"	84"	98-1/2"	CYL-0501-0251
25'	60 000lb	AF	6-1/2"	94"	108-1/2"	CYL-0501-0348

**\*ALWAYS VALIDATE WITH YOUR UNIT'S SERIAL NUMBER**

### b. WINCH CYLINDER

FRAME LENGTH	CAPACITY	COMPATIBILITY	BORE	COURSE	CLOSED	PARTS NO.
16'	20 000lb	OR	4"	60"	70"	CYL-GN16-4060
16'	35 000lb	OR	5"	60"	72"	CYL-BU01-5060
20'	35 000lb	OR	5"	72"	85"	CYL-BU01-5072
22'	60 000lb	OR, IO & TS	6-1/2"	78"	92-1/2"	CYL-0501-0202
24'	60 000lb	OR, IO & TS	6-1/2"	84"	98-1/2"	CYL-0501-0248
26'	60 000lb	OR, IO & TS	6-1/2"	97"	111-1/2"	CYL-0501-0450
22'	75 000lb	OR, IO & TS	7-1/2"	78"	92-1/2"	CYL-0501-0204
24'	75 000lb	OR, IO & TS	7-1/2"	84"	98-1/2"	CYL-0501-0251
26'	75 000lb	OR, IO & TS	7-1/2"	97"	111-1/2"	CYL-0501-0361
25'	60 000lb	AF	7-1/2"	89"	105-1/2"	CYL-0501-0252

**\*ALWAYS VALIDATE WITH YOUR UNIT'S SERIAL NUMBER**

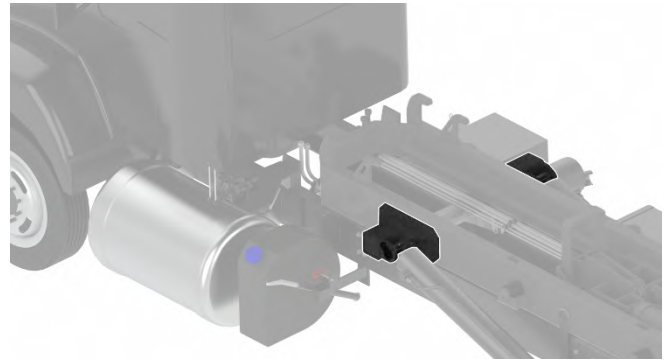
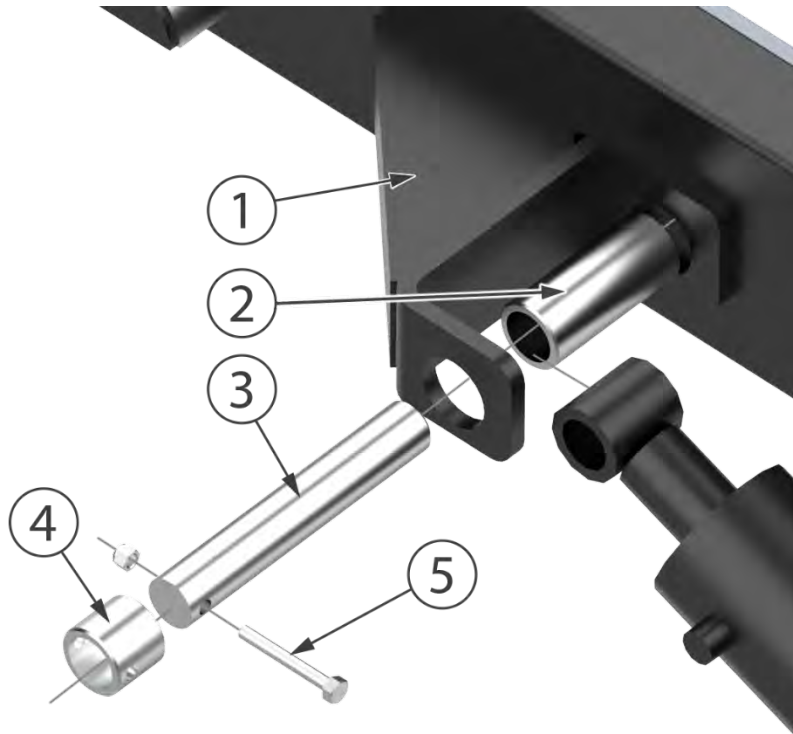
### c. SEAL SET

Seal for cylinders

BORE	PARTS NO.
5"	DV-0002-3692
6"	DV-0002-3745
7"	DV-0002-3746

### d. UPPER LIFT CYLINDER SUPPORT

UPPER ATTACHMENT 20 000lb

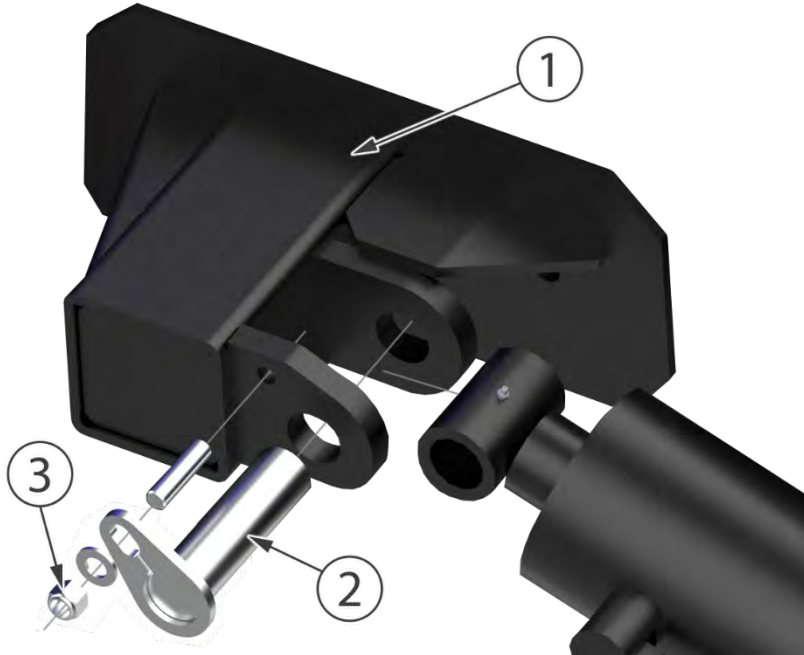


NO.	QTY	DESCRIPTION	PARTS NO.
1	1	UPPER SUPPORT 20 000lb	**
2	1	ROLLER OR AXLE 1	690-200-3508
3	1	CYLINDER AXLE	690-200-3513
4	1	ROLLER OF AXLE 2	690-200-3509

NO.	QTY	DESCRIPTION
5	1	UPPER SUPPORT 20 000lb HARDWARE
	1	HEX. BOLT .375x 3.00Z (GRADE 8) – ZINC STEEL
	1	HEX. NUT .38ZN (GRADE 8) – ZINC STEEL

**\*\*If the support itself needs to be replaced, please contact Durabac with your serial number so that the new part is the correct one and can be welded on.**

**e. UPPER SUPPORT 35000lb et +**

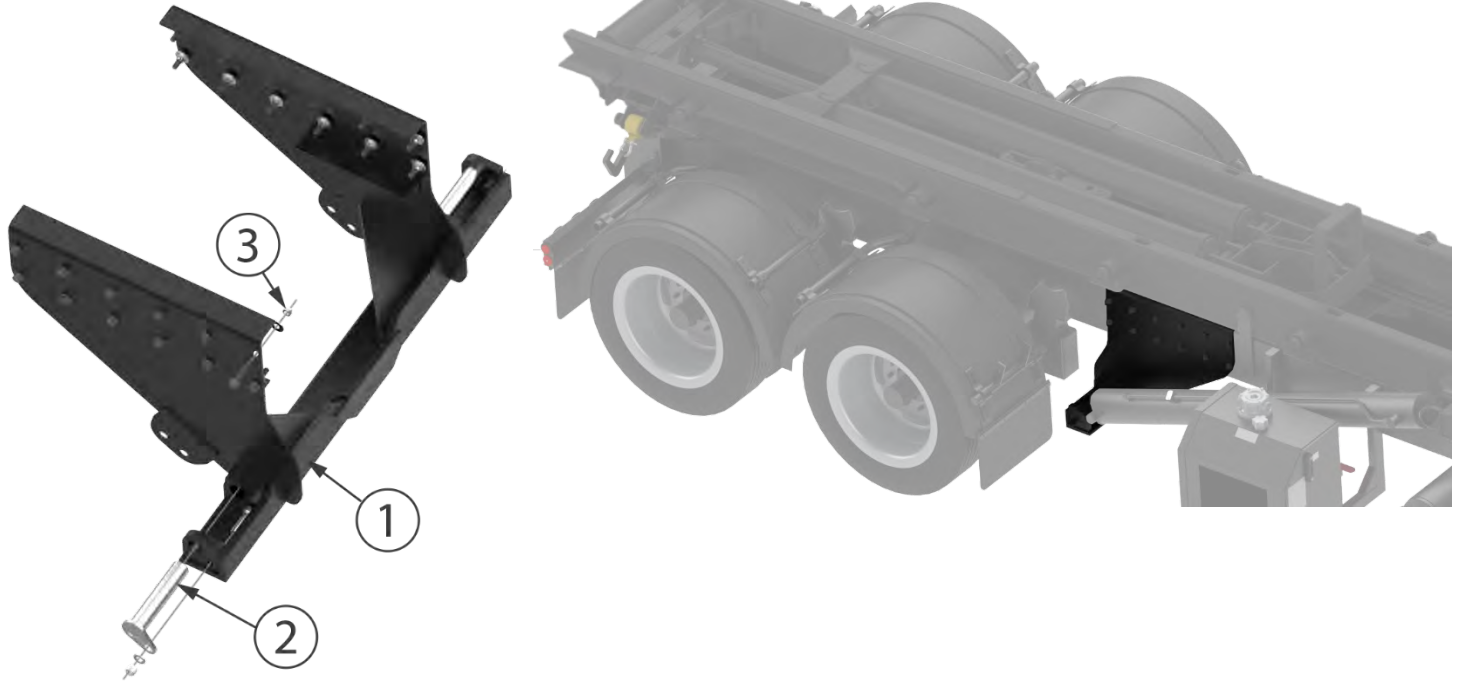


NO.	QTY	DESCRIPTION	PARTS NO.
1	1	UPPER SUPPORT 35 000lb +	**
2	1	CYLINDER AXLE	690-200-3060

NO.	QTY	DESCRIPTION	PARTS NO.
3	1	UPPER SUPPORT 35000lb + HARDWARE	KT-690-200-3400
	1	STUD .75x 3.00 – STEEL	
	1	WASHER .75Z SAE - ZINC STEEL	
	1	HEX. NUT .75ZN (GRADE 8) – ZINC STEEL	

**\*\*If the support itself needs to be replaced, please contact Durabac with your serial number so that the new part is the correct one and can be welded on.**

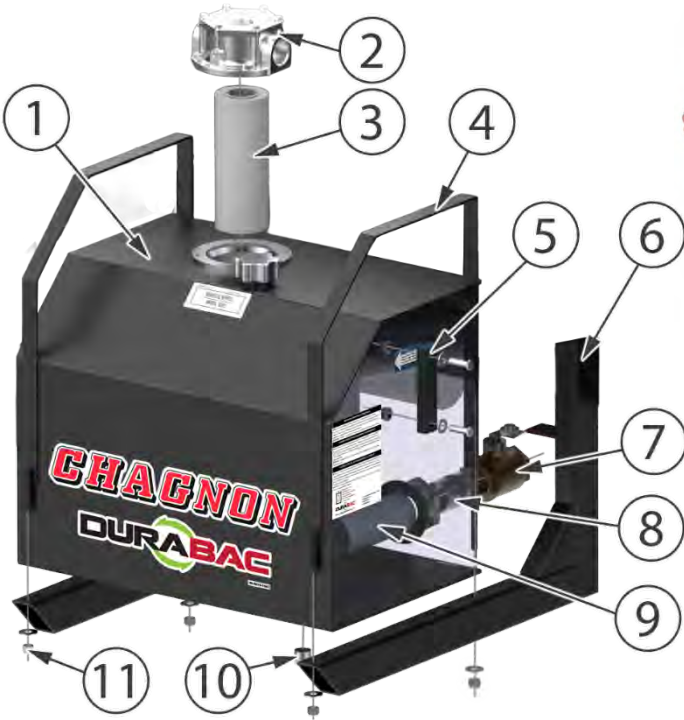
## f. LOWER LIFT CYLINDER SUPPORT



NO.	QTY	DESCRIPTION	PARTS NO.
1	1	LOWER SUPPORT	690-200-4010
2	1	CYLINDER AXLE	690-700-1002

NO.	QTY	DESCRIPTION	PARTS NO.
3	1	LOWER SUPPORT HARDWARE	KT-690-700-1002
	2	HEX NUT .75ZN (GRADE 8) – ZINC STEEL	
	2	WASHER .75Z SAE – ZINC STEEL	
	2	HEX BOLT .75x 3.00 (GRADE 8) – BLACK STEEL	
	12	HEX. NUT .63Z SELF-LOCKING (GRADE 8) – ZINC STEEL	
	12	.63Z STRUCTURAL WASHER – ZINC STEEL	
	12	HEX. FLANGE BOLT .63x 2.50 (GRADE 8) – BLACK STEEL	

## 5.2 OIL TANK



FRAME LENGTH	CAPACITY	COMPATIBLE	DESCRIPTION	PARTS NO.
16' & 20'	20 & 35 000lb	OR	30GALLONS (110L) TANK	690-650-4000
22', 24' & 26'	60 & 75 000lb	OR, IO & TS	40GALLONS (150L) TANK	690-650-1000
23' & 25'	60 & 75 000lb	AF	40GALLONS (150L) TANK	690-650-1000
22', 24' & 26'	60 & 75 000lb	OR, IO & TS	40GALLONS (150L) ALUM. TANK	690-650-1030
22', 24' & 26'	60 & 75 000lb	OR & IO	55GALLONS (205L) TANK	690-650-2000
22', 24' & 26'	60 & 75 000lb	OR & IO	55GALLONS (205L) ALUM. TANK	690-650-2100
22', 24' & 26'	60 & 75 000lb	OR & IO	70 GALLONS (265L) TANK	690-650-3000

\*\*XXXX = Last tank numbers 690-650-(4000)

NO.	QTY	DESCRIPTION	PARTS NO.
1	1	CASE	690-650-XXXX-S*
2	1	FILTER HEAD	DV-0002-2055A
3	1	FILTER	DV-0012-1798
4	2	FIXING ROD	690-650-9050
5	1	OIL LEVEL SET	DV-0002-4127
6	2	TANK SUPPORT	690-650-7500
7	1	BALL VALVE	DV-0002-1897
8	1	STRAIGHT CONNECTING PIPES	DV-0002-1376
9	1	STRAINER	DV-0002-4531
10	1	MAGNETIC DRAIN PLUG	DV-0002-1938

NO.	QTY	DESCRIPTION	PARTS NO.
11	1	TANK HARDWARE	KT-690-650-1000
	4	HEX NUT .50ZN (GRADE 8) - ZINC STEEL	
	4	WASHER .50Z - ZINC STEEL	

## a. TANK LABELS



# CHAGNON

# DURABAC

DV-0015-1943

12

Dimensions: 5" x 2"

DV-0015-1950

**HUILE HYD.**  
**HYD. OIL**

13

### RESERVOIR OPERATING INSTRUCTIONS

Maintain hydraulic oil level at all times. Always check oil level when it is at operating temperature. The oil should be checked after the first 1000 hours and verify that the class of oil meets the requirements of the pump being used. Change the oil every 5000 to 6000 hours depending on the application and operation environment.

**IMPORTANT:** Failure to use the correct hydraulic oil could result in costly machine downtime.

### INSTRUCTIONS DE FONCTIONNEMENT DU RÉSERVOIR

Maintenir le niveau de l'huile hydraulique en tout temps. Toujours vérifier le niveau d'huile quand la température d'opération a été atteinte. Vérifier l'huile ainsi que le niveau de l'huile après le premier 1000 heures afin de s'assurer que celle-ci répond aux exigences de la pompe utilisée. Changer l'huile à tous les 5000 à 6000 heures d'opérations dépendant de l'application et l'environnement.

**IMPORTANT:** L'utilisation du mauvais type d'huile hydraulique pourrait se traduire en temps d'arrêt très coûteux.

### INSTRUCCIONES DE FUNCIONAMIENTO DEL TANQUE

Mantener un nivel de aceite hidráulico en todo momento. Compruebe siempre el nivel de aceite cuando se ha alcanzado la temperatura de funcionamiento. Compruebe el nivel de aceite y el aceite después de las primeras 1000 horas para asegurarse de que cumple con los requisitos de la bomba utilizada. Cambiar el aceite cada 5000 a 6000 horas, dependiendo de la aplicación y el entorno de funcionamiento.

**IMPORTANTE:** Si no se utilizó el aceite hidráulico adecuado puede ocasionar un alto costo en tiempo por inactividad de la máquina.



HYDRAULIC OIL TYPE  
This equipment uses  
TYPE D'UILE HYDRAULIQUE  
Cet équipement utilise  
TIPO DE ACEITE HIDRÁULICO  
Este equipo utiliza:

**DURABAC**

22, chemin Milton, Granby, J2J 0P2  
(Quebec) Canada  
(800) 565-1723  
www.durabac.ca

DV-0015-1994

15

**HYDRAULIC OIL LEVEL**  
**NIVEAU HUILE HYDRAULIQUE**  
**NIVEL DE ACEITE HIDRÁULICO**

DV-0015-2285

14

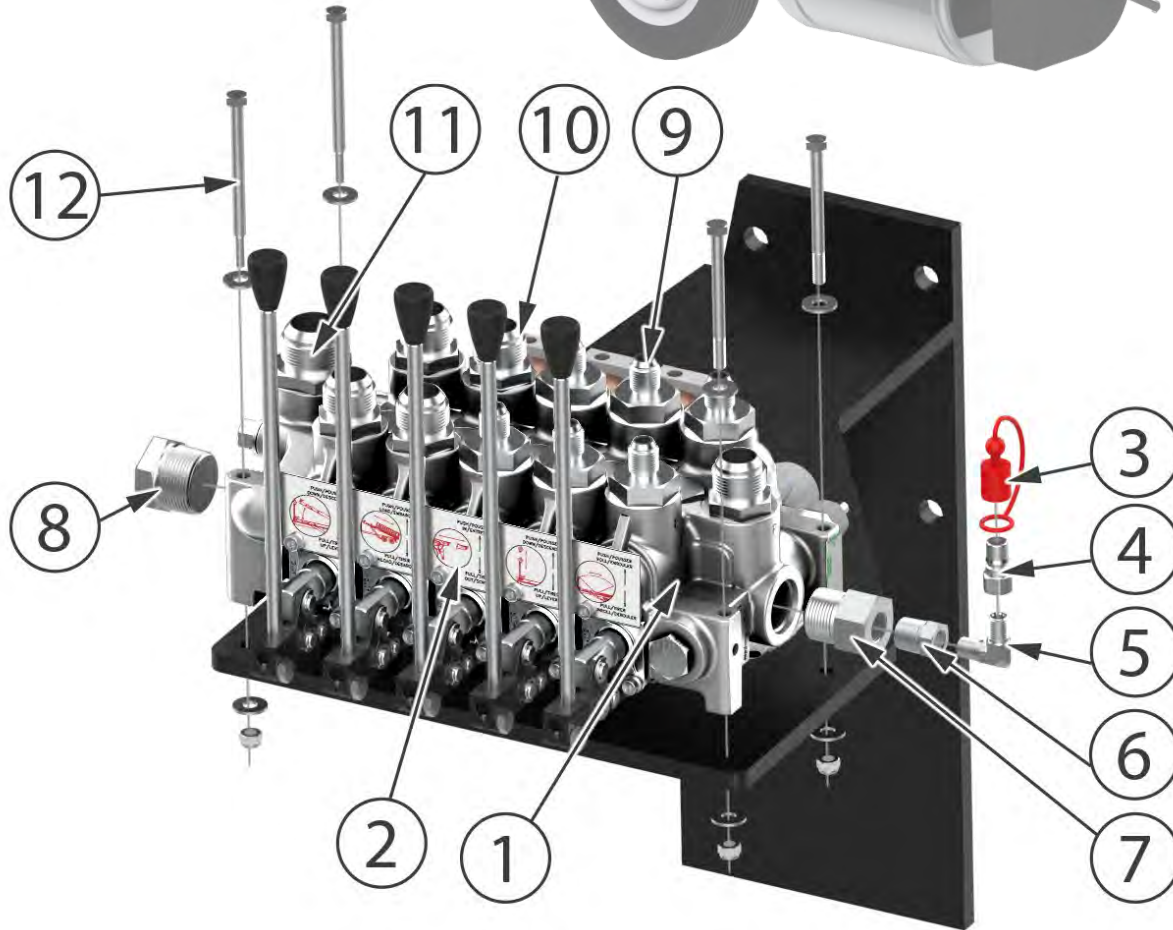
NO.	QTY	DESCRIPTION	PARTS NO.
12	1	DURALIFT-CHAGNON SQUARE	DV-0015-1943
13	1	OIL	DV-0015-1950
14	1	OIL LEVEL INDICATION	DV-0015-2285
15	1	TANK OPERATING INSTRUCTIONS	DV-0015-1994

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## 5.3 CONTROL PANELS

### a. VALVE

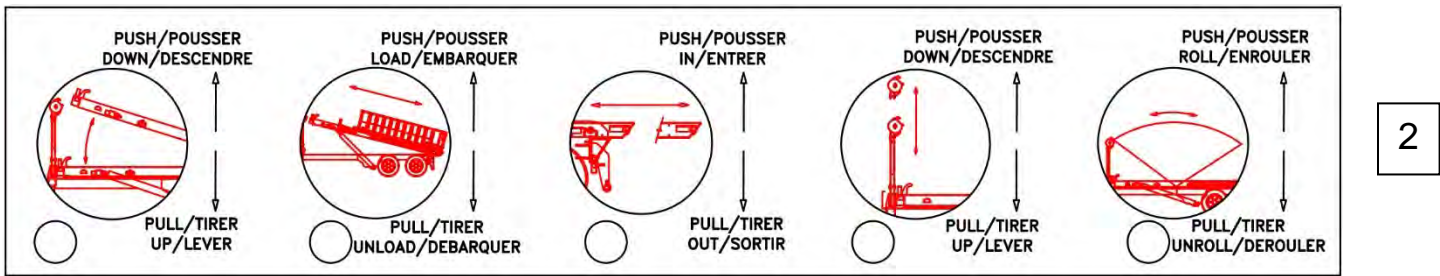


NO.	QTY	DESCRIPTION	PARTS NO.
1	1	2-SECTION HYDRAULIC VALVE	VAL-0003-0016
	1	3-SECTION HYDRAULIC VALVE	VAL-0003-0010
	1	3-SECTION HYDRAULIC VALVE	VAL-0003-0017
	1	4-SECTION HYDRAULIC VALVE	VAL-0003-0004
	1	4-SECTION HYDRAULIC VALVE	VAL-0003-0018
	1	4-SECTION HYDRAULIC VALVE	VAL-0003-0019
	1	5-SECTION HYDRAULIC VALVE	VAL-0003-0003
	1	5-SECTION HYDRAULIC VALVE	VAL-0003-0012
	1	5-SECTION HYDRAULIC VALVE	VAL-0003-0013
	1	5-SECTION HYDRAULIC VALVE	VAL-0003-0020
	1	5-SECTION HYDRAULIC VALVE	VAL-0003-0025
	1	6-SECTION HYDRAULIC VALVE	VAL-0003-0006
	1	6-SECTION HYDRAULIC VALVE	VAL-0003-0009

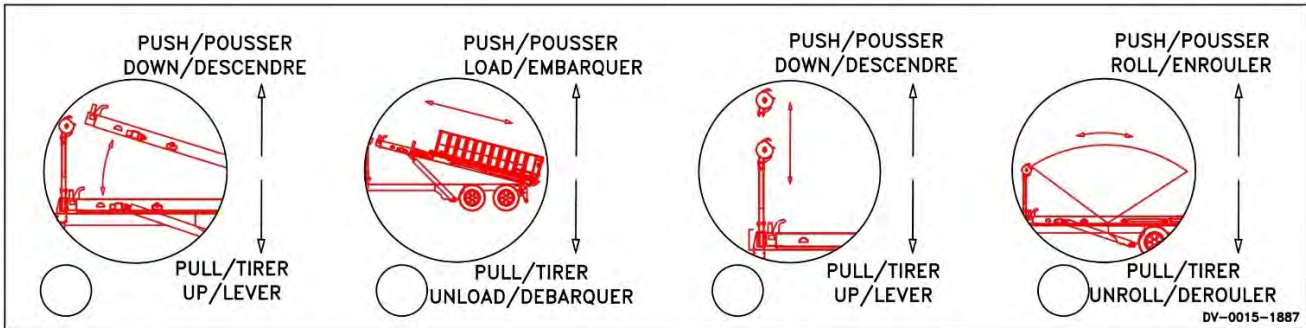
*\*VALIDATE WITH DURABAC*

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the images/charts - Contact Durabac.





2



2.1

NO.	QTY	DESCRIPTION	PARTS NO.
2	1	CONTROLLER FUNCTION (5)	DV-0015-1886
2.1	1	CONTROLLER FUNCTION (4)	DV-0015-1887

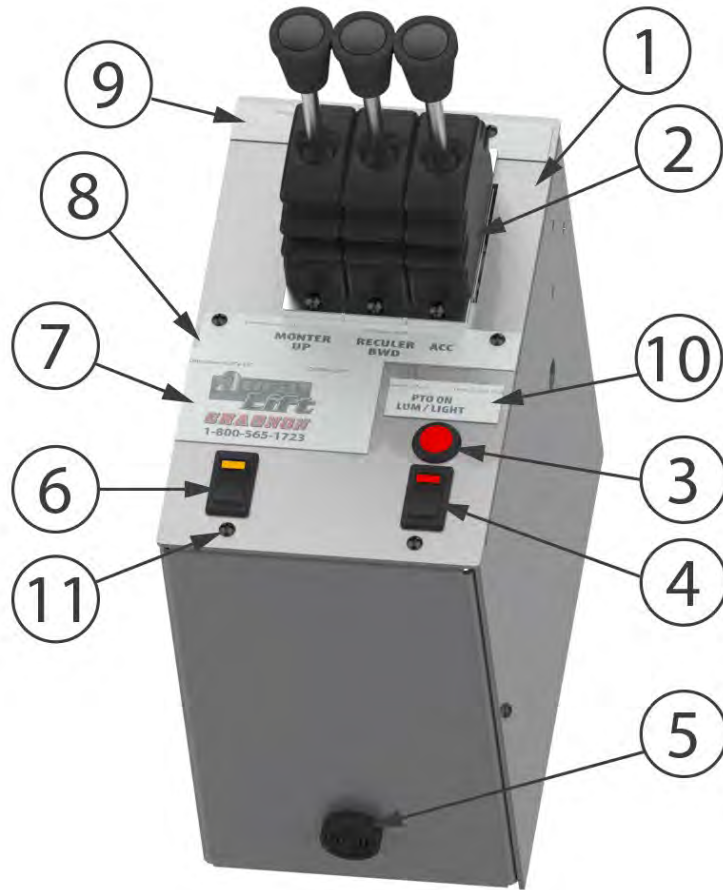
NO.	QTY (5-sections)	DESCRIPTION	PARTS NO.
3	1	PLASTIC CAP	DV-0002-2013R
4	1	HYD. COUPLER	DV-0002-4283
5	1	90° HYD. ADAPTER	DV-0002-2014
6	1	HYD. ADAPTER	DV-0002-1446
7	1	HYD. ADAPTER	DV-0002-1413
8	1	HYD. ADAPTER	DV-0002-4104
9	6	HYD. ADAPTER	DV-0002-1739
10	5	HYD. ADAPTER	DV-0002-1435
11	1	HYD. ADAPTER	DV-0002-1437

NO.	QTY	DESCRIPTION	PARTS NO.
3	1	VALVE HARDWARE	KT-VAL-0003
	2	LEFT BOLT (LONG) HEX. .313x 4.50Z (GRADE 5) – ZINC STEEL	
	2	STRAIGHT (SHORT) HEX. BOLT .313x3.75Z (GRADE 5) – ZINC STEEL	
	8	.31Z USS WASHER – ZINC STEEL	
	4	HEX. NUT .31ZN – ZINC STEEL	

**\*ALWAYS VALIDATE WITH YOUR UNIT'S SERIAL NUMBER. IF UNSURE, CONTACT DURABAC.**



## b. INTERIOR CONTROL BOX

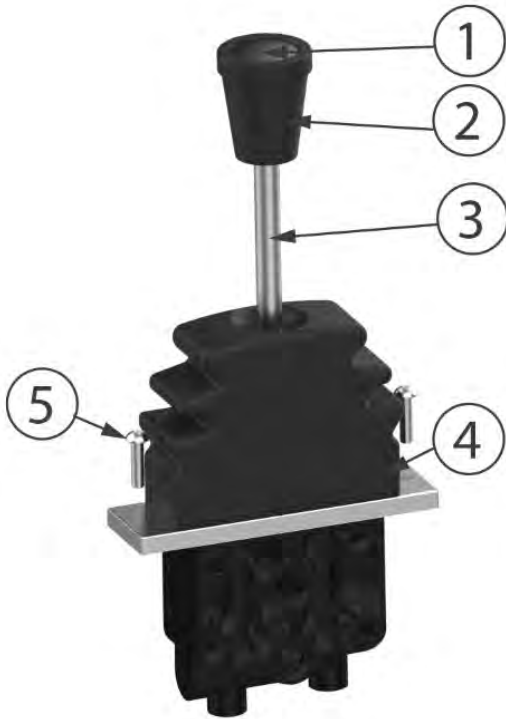


NO.	QTY	DESCRIPTION	PARTS NO.
	1	INTERIOR CONTROL BOX	690-850-1000
1	1	CONTROL BOX SUB ASSEMBLY	690-850-1000-S
2	3	CONTROL LEVER (SEE C. p.55)	VAL-0004-0002
3	1	RED INDICATOR LIGHT	DV-0001-2283
4	1	RED ON/OFF BUTTON	SEE-0001-0039
5	1	HEAT EVACUATOR	L1EL-021
6	1	AMBER ON/OFF BUTTON	SEE-0001-0037
7	1	DURABAC-CHAGNON SQUARE	DV-0015-2277
8	1	LEVER INSTRUCTIONS (BOTTOM)	DV-0015-2275
9	1	LEVER INSTRUCTIONS (TOP)	DV-0015-2274
10	1	PTO ON	DV-0015-2276

NO.	QTY	DESCRIPTION	PARTS NO.
11	1	INTERIOR CONTROL BOX HARDWARE	KT-690-850-1000
	8	10-32Z -NF SPRING CAGE NUT – ZINC STEEL	
	8	ROUND HEAD SQUARE DRIVE MACHINE SCREW 10-32 x 0.5Z	

*\*CHECK THE WIRING DIAGRAMS ATTACHED TO THE DOCUMENT FOR THE CIRCUIT INSIDE THE CONTROL BOX.*

### c. CONTROL LEVER



NO.	QTY	DESCRIPTION	PARTS NO.
1	1	HANDLE CAP	VAL-0005-0011
2	3	HANDLE	VAL-0005-0010
3	1	LEVER	VAL-0005-0009
4	1	SLEEVE	VAL-0005-0012

NO.	QTY	DESCRIPTION	PARTS NO.
5	1	LEVER HARDWARE	KT-VAL-0005
	8	ROUND HEAD BOLT 10-32x 0.75Z – ZINC STEEL	

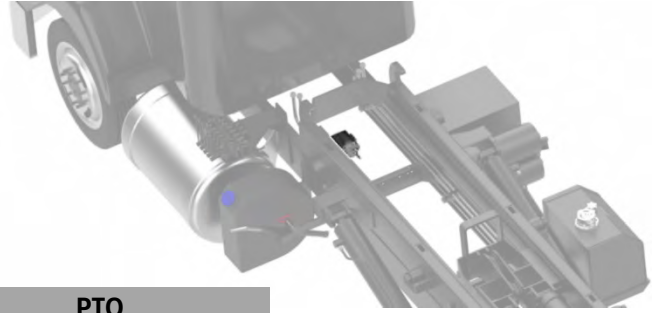
### 5.4 HYDRAULIC HOSES AND PIPES

Hoses and pipes may vary depending on the model and size of the truck. If you need to replace them, contact Durabac with the model and serial number, which you will find on the front of the frame, near the valve.

## 5.5 HYDRAULIC PUMP/PTO

Check the transmission type of your vehicle,

Here are some common PTO options depending on your truck's transmission:



TRANSMISSION	PTO
ALLISSON 4500 RDS (DIRECT MOUNT) (122%)	PTO-0123-0002
ALLISSON 3000/3500 RDS (DIRECT MOUNT) (115%) DRIVER SIDE INSTALLATION	PTO-0115-0001
ALLISSON 3000/3500 RDS (DIRECT MOUNT) (119%) PASSENGER SIDE INSTALLATION	PTO-0119-0001
EATON FULLER RTLO-18918B (DIRECT MOUNT) (124%)	PTO-1124-0001
EATON FULLER RTLO-20918B (DIRECT MOUNT) (124%)	PTO-1124-0001

If your transmission is not listed, please contact Durabac to confirm the correct PTO model to order.

**CONTACT DURABAC TO CHECK YOUR DRIVESHAFT OR ANY OTHER REQUIRED BASIC PARTS.**

## 6. HYDRAULIC AND ELECTRICAL DIAGRAMS

### NOTICE

Electrical and hydraulic diagrams are attached to this manual to help you understand the various circuits. They may vary from model to model, so keep these files together.

# 7.OPTIONS

## 7.1 TYPES OF CABLES

The cable and hooks are ordered separately.



SIZE	LENGTH	ENDING	TURBO	PARTS NO.
5/8"	36'	ROPE THIMBLE	NO	CAB-1041-0432
5/8"	60'	ROPE THIMBLE	NO	CAB-1041-0720
7/8"	60'	BUTTON	NO	CAB-1411-0720
7/8"	60'	ROPE THIMBLE	NO	CAB-1441-0721
7/8"	75'	ROPE THIMBLE	NO	CAB-1401-0900
7/8"	80'	ROPE THIMBLE	NO	CAB-1441-0960
1"	46'	BUTTON	NO	CAB-1611-0552
1"	46'	ROPE THIMBLE	NO	CAB-1601-0552
1"	46'	ROPE THIMBLE	YES	CAB-1601-0552T
1"	46'	5/8" SWIVEL HOOK & THIGHS	NO	CAB-1651-0552
1"	60'	BUTTON	NO	CAB-1611-0720
1"	60'	BUTTON	YES	CAB-1611-0720T
1"	60'	ROPE THIMBLE	NO	CAB-1641-0720
1"	60'	ROPE THIMBLE	YES	CAB-1641-0720T
1"	110'	ROPE THIMBLE	NO	CAB-1601-1320

### a. CABLE HOOKS AND ACCESSORIES



"CROSBY" TYPE HOOK CABLE



SHORT D (9") SWIVEL



BUTTON - D (12") ROTATING



LONG D (12") SWIVEL



CABLE TERMINAL AND CABLE CLAMP



BUTTON - 1 AXIS SWIVEL

DESCRIPTION	PARTS NO.
5/8" U-BOLT STYLE CABLE CLAMP	DV-0004-3688
7/8" FORGED CABLE CLAMP	DV-0004-5657
1" FORGED CABLE CLAMP	CAB-8030-1203
5/8" STEEL CABLE THIMBLE	DV-0004-3687
7/8" STEEL CABLE THIMBLE	DV-0004-3656
1" STEEL CABLE THIMBLE	CAB-8040-1202
SHORT (9") SWIVEL D-RING HOOK	690-450-1000
LONG (12") SWIVEL D-RING HOOK	690-450-2000
LONG (12") ROTATING D-RING HOOK FOR 1" CABLE	690-450-3000
LATCH FOR SWIVEL HOOK (CROSBY" TYPE)	DV-0004-6095

## 7.2 WHEEL FENDERS



STAINLESS STEEL



« CHECKER PLATE »



GALVANISED



POLYETHYLENE



Several fender versions of each type are available to match other options or modifications on the vehicle.

DESCRIPTION	PARTS NO.
SINGLE STAINLESS STEEL FENDER	DV-0004-1996
WELDED PIPES	DV-0004-1917
FENDERS-HOSE CLIPS	DV-0004-1918
STAINLESS STEEL FENDER. WELDED TANDEM	DV-0004-1994
FRONT PIPE	-
	Pipe 699-400-9009
	Soldering plate 699-400-9010
CENTRAL SUPPORT	680-800-2010
SINGLE STEEL "CHECKER PLATE" FENDER	699-400-1206
SINGLE "CHECKER PLATE" ALUMINUM FENDER	699-400-1205
WELDED PIPES	DV-0004-1917
WING-PIPE CLIPS	DV-0004-1918
TANDEM "CHECKER PLATE" STEEL FENDER	699-400-1540
ALUMINUM "CHECKER PLATE" TANDEM FENDER	699-400-1505
SINGLE GALVANIZED FENDER	DV-0004-3698
TANDEM GALVANIZED FENDER	DV-0004-1890
BACK SUPPORT	-
	Welded bar 699-400-4200-S
	Wing-bar attachment 699-400-9024
CENTRAL SUPPORT	-
	Part attached to the frame 699-400-5001A
	Reinforcement 690-800-0019
	Angle iron fender support 699-400-5002
	Support tube 690-900-1009
FRONT SUPPORT	-
	Holding tube 690-900-1009
	Holding plate 699-400-9025
SINGLE POLYETHYLENE FENDER	DV-0004-1614
WELDED PIPES	DV-0004-1917
FENDER-HOSE CLIPS	DV-0004-1918

**The table contains the different standard fender mounts: A, for each fender. If you have special specifications/modifications on your fenders, contact Durabac to obtain the correct parts.**

### 7.3 TARP SUPPORT

Refer to the tarp support manual included with this document for this option.

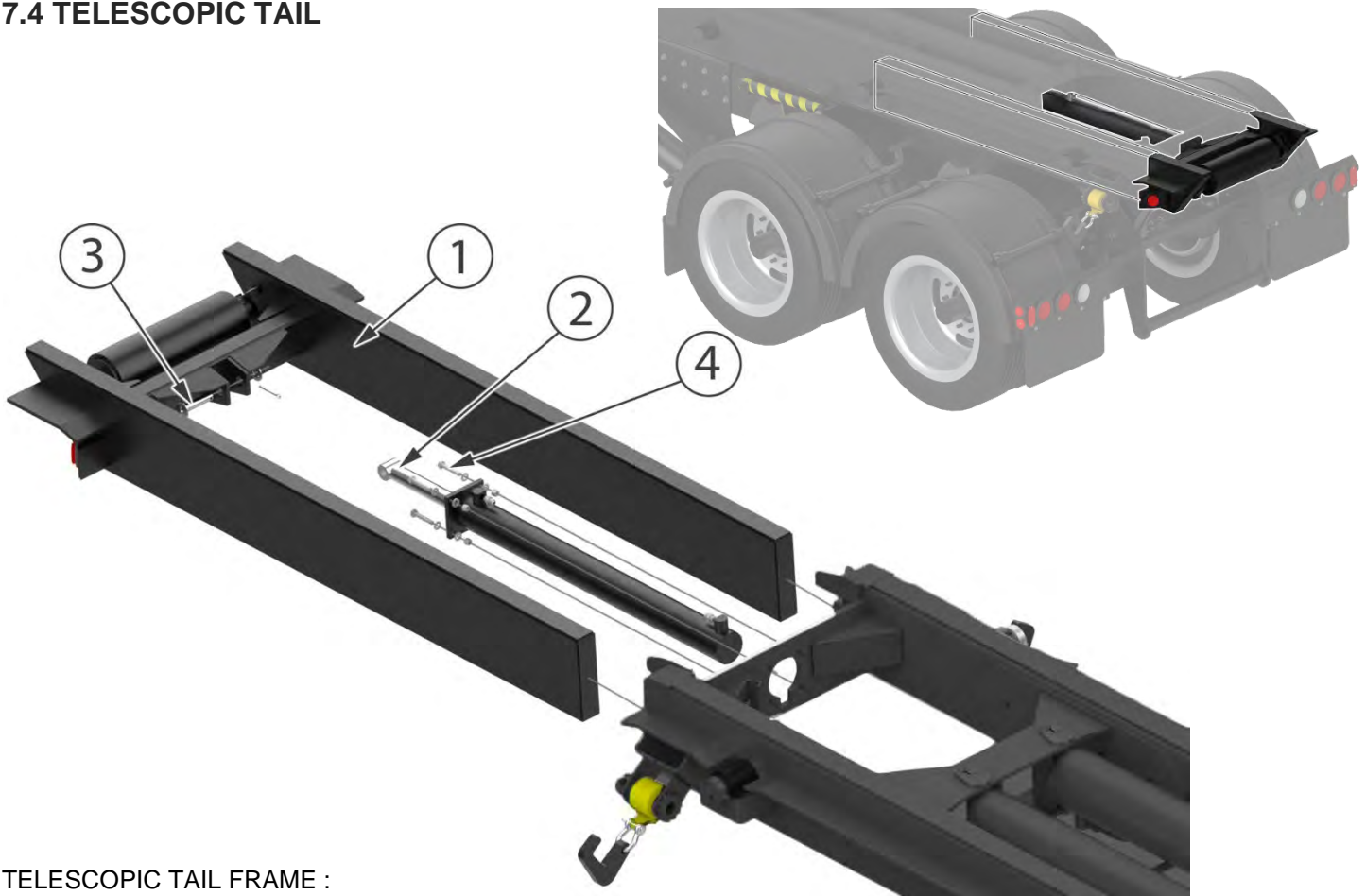
TARP SUPPORT	PARTS NO.
ROLLRITE	DRC-RRT-DC400
PIONEER	DRC-PRT-RP4500ARG
OBRIAN	DRC-ORT-DIABLO
DURABAC	
ARM SUPPORT - BEFORE THE WHEELS	DRC-DRT-XXX-A
ARM SUPPORT - MIDDLE OF THE WHEELS	DRC-DRT-XXX-B

\*\*XXX = HYDRAULIC – H, ELECTRIC – E,  
+SIZE OF ARM: 14', 16', 18', 20', 22', 24', 26' / EX: DRT-H22-A, DRT-E18-B



Contact Durabac if you need to replace parts.

## 7.4 TELESCOPIC TAIL



### TELESCOPIC TAIL FRAME :

NO.	CAPACITY	COMPATIBLE	TYPE OF FRAME	TT STROKE	PARTS NO.
1	20 000lb	OR	FRAME 6"	40"	690-550-0500
	35 000lb	OR	FRAME 10"	40"	690-550-0260
	50 000lb	OR	FRAME 10"	40"	690-550-0270
	60/75 000lb	OR	FRAME 12"	40"	690-550-0150
	60 000lb	AF	FRAME 12"	40"	690-550-0140

### TAIL CYLINDER:

2	20/35 000lb	OR		40"	CYL-BU01-3040
	50/60/75 000lb	OR & AF		40"	CYL-FL00-3540

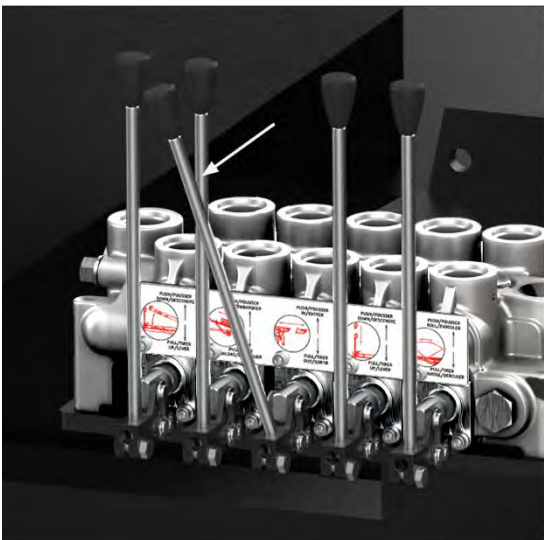
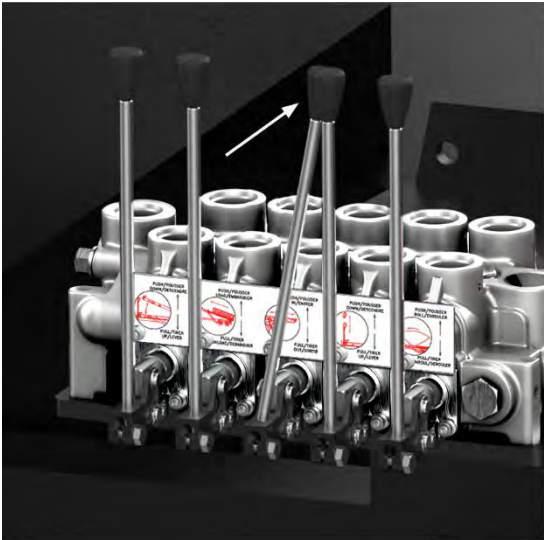
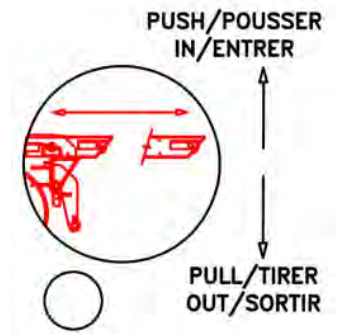
NO.	QTY	DESCRIPTION	PARTS NO.
3	1	CYLINDER AXLE HARDWARE	690-550-3010
	1	ZINC COTTER PIN .250x 3.00	
4		TELESCOPIC TAIL HARDWARE	KT-690-550
	4	HEX. BOLT .50x 3.00Z – ZINC STEEL	
	8	WASHER .50Z SAE – ZINC STEEL	
	4	HEX. NUT .50ZN (GRADE 5) – ZINC STEEL	

\*The list shows the most common telescopic cues. If yours is not listed, please contact Durabac with the serial number and model.

## a. OPERATIONS

Push the lever corresponding to this image to retract the telescopic tail.

Pull the lever corresponding to this image to extend the telescopic tail.



## 7.5 LATERAL PROTECTION DEVICE - LPD

Important optional product designed to enhance the safety of vulnerable road users (pedestrians, cyclists, etc.) around vehicles in motion.

### Main Function:

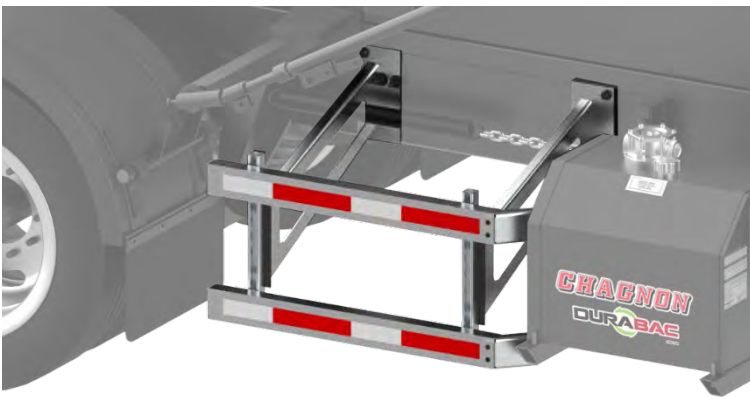
- **Lateral physical protection** to reduce the risk of intrusion beneath the vehicle.

### Advantages:

- Significant reduction in the risk of serious accidents in urban and high-density areas.
- Compliance with road safety recommendations.
- Added vehicle value through the integration of an active prevention system.

### Recommended for:

Areas with high pedestrian and cyclist traffic, urban routes, and public contracts requiring enhanced safety devices.



QTY	DESCRIPTION	PARTS NO.
1	DPL 24"	DRC-DPL-24
1	DPL 36"	DRC-DPL-36
1	DPL 48"	DRC-DPL-48
1	DPL 60"	DRC-DPL-60

**NOTICE** Installed on both sides under the truck body – please specify your needs when ordering.

**Contact us for more information and to obtain a side guard (LPD) suited to your vehicle.**

## 7.6 BUMPERS

Basic bumper section 4.8

### a. FOR “PUP” ATTACHMENT

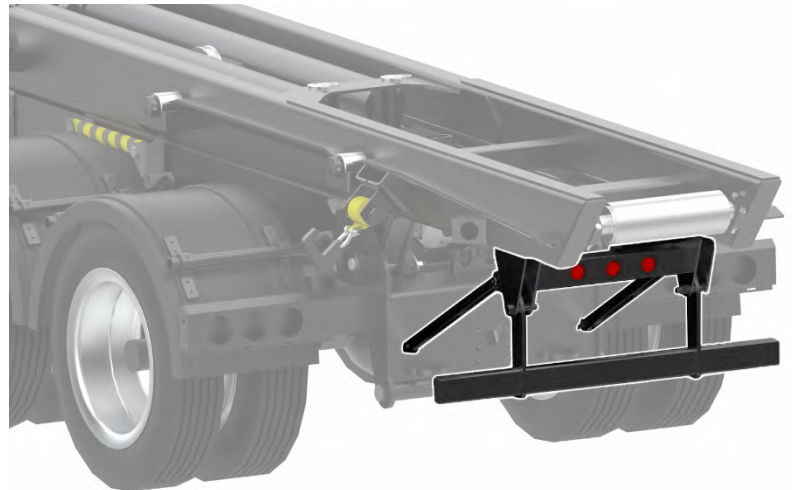
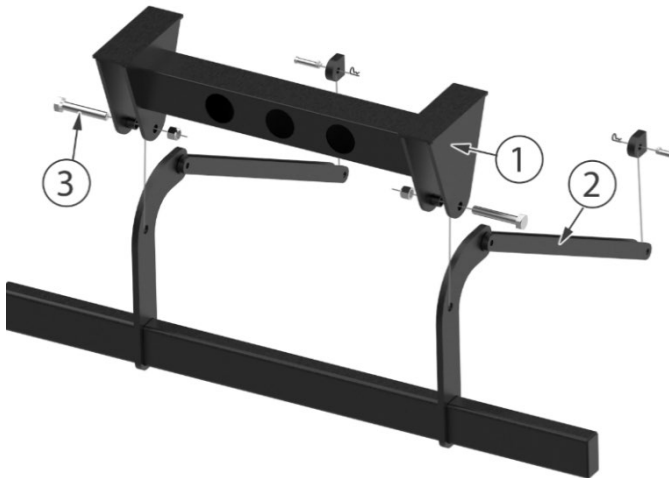


For the PUP attachment, make sure you have the connections from the “Trailer kit” beforehand.

CAPACITY	COMPATIBLE	DESCRIPTION	PARTS NO.
60 / 75 000lb	OR, IO, TS	PUP SET <b>OR</b>	690-100-1530-S
60 / 75 000lb	AF	PUP SET <b>AF</b>	690-100-1630-S

### b. ICC TYPE

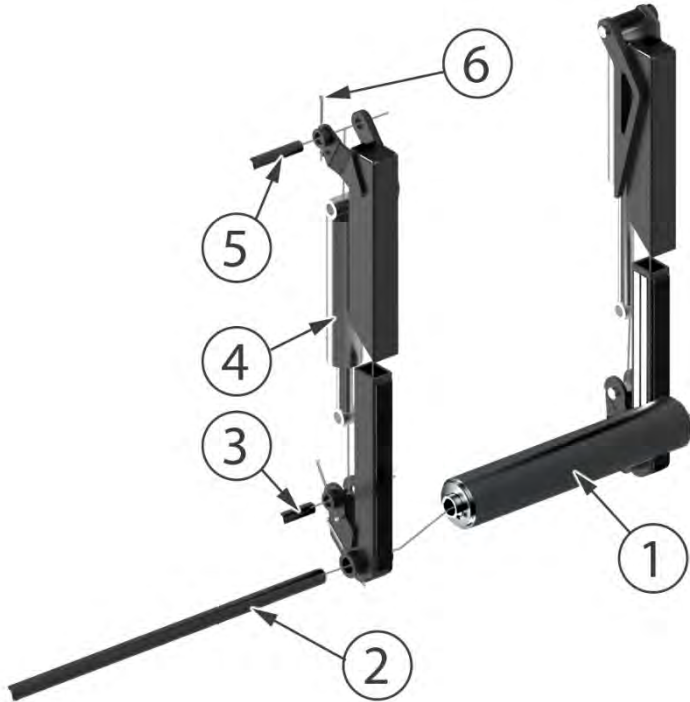
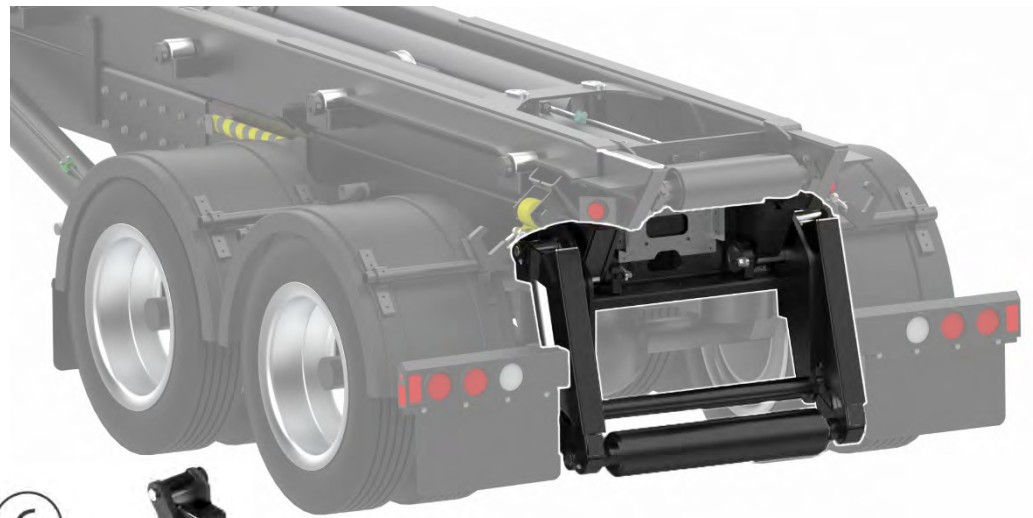
Folds to avoid ground impact during use.



NO.	QTY	DESCRIPTION	PARTS NO.
	1	SWIVEL BUMPER (COMPLETE SET)	690-551-2000
1	1	BUMPER PART WELDED ON FRAME	-
2	1	SWIVEL PART	690-551-2000-S

NO.	QTY	DESCRIPTION
3	1	SWIVEL BUMPER HARDWARE
	2	PIVOT AXLE – DV-0004-3923
	2	WAVY PIN .125x 1.75Z – ZINC STEEL
	2	HEX. BOLT .75x 4.50Z (GRADE 8) – ZINC STEEL
	2	HEX. NUT .75ZN (GRADE 8) – ZINC STEEL

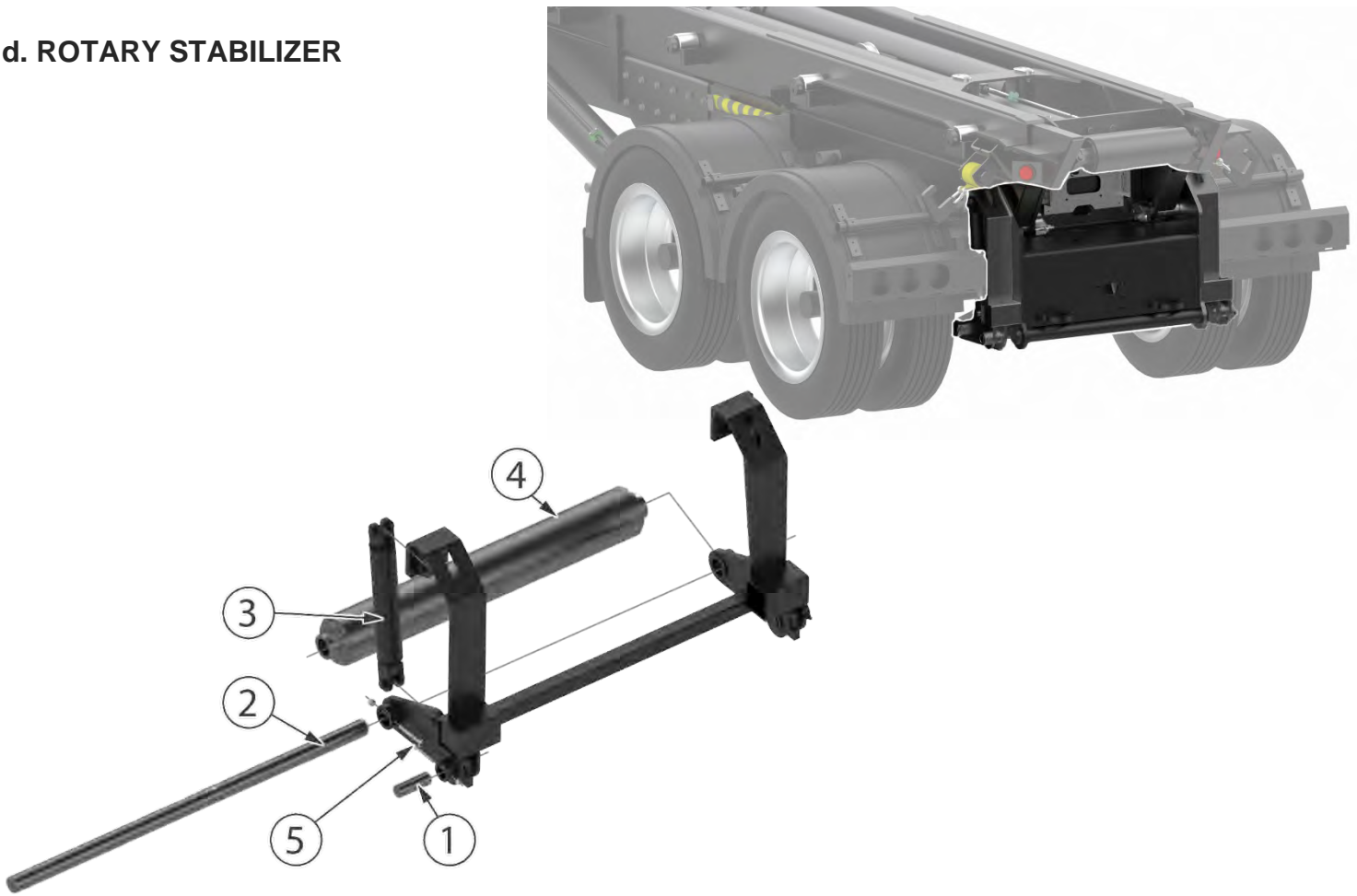
### c. STABILIZER



NO.	QTY	DESCRIPTION	PARTS NO.
	1	STABILIZER (COMPLETE SET)	690-100-1400
	1	STABILIZER WITHOUT BUMPER	690-100-1450
1	1	ROLLER	690-100-1480
2	1	ROLLER AXLE	690-100-1470
3	2	EXTENSION CYLINDER AXLE	690-100-1462
4	2	HYDRAULIC CYLINDER	CYL-0501-0820
5	2	CYLINDER AXLE	690-100-1461

NO.	QTY	DESCRIPTION
6	1	STABILIZER HARDWARE
	4	HEX. BOLT .375x 3.25Z (GRADE 8) - ZINC STEEL
	6	HEX. NUT .38ZN (GRADE 8) - ZINC STEEL
	2	HEX. BOLT .375x 4.00Z (GRADE 8) - STEEL
	2	GREASE FITTING

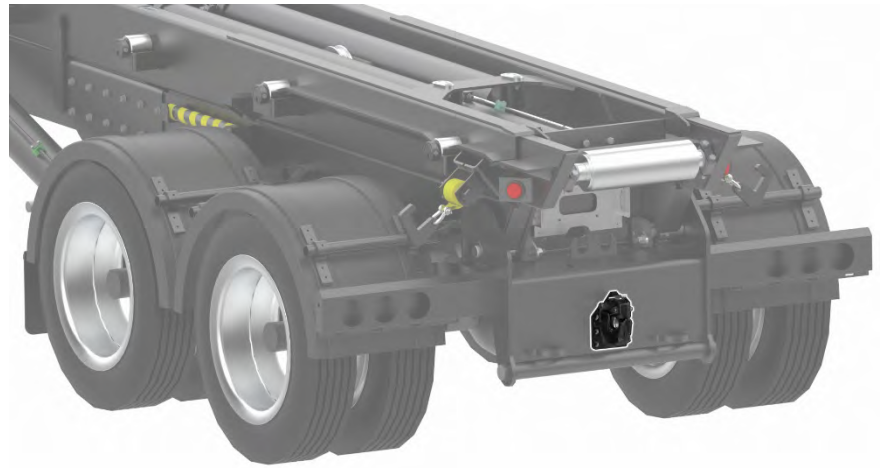
#### d. ROTARY STABILIZER



NO.	QTY	DESCRIPTION	PARTS NO.
	1	ROTARY STABILIZER WITH PUP (COMPLETE SET)	690-100-2700
	1	ROTARY STABILIZER WITHOUT PUP (COMPLETE SET)	690-100-2600
1	2	ROTARY ARM AXIS	690-100-2706
2	1	ROLLER AXLE	690-100-2711
3	2	HYDRAULIC CYLINDER	CYL-CL01-2508
4	1	ROLLER	690-100-2750

NO.	QTY	DESCRIPTION
5	1	ROTARY STABILIZER HARDWARE
	2	HEX. BOLT .375x 3.25Z – ZINC STEEL
	2	HEX. NUT .38ZN (GRADE 5) – ZINC STEEL
	2	HEX. BOLT .50x 4.00Z – ZINC STEEL
	2	HEX. NUT .50ZN – ZINC STEEL
	2	GREASE FITTING

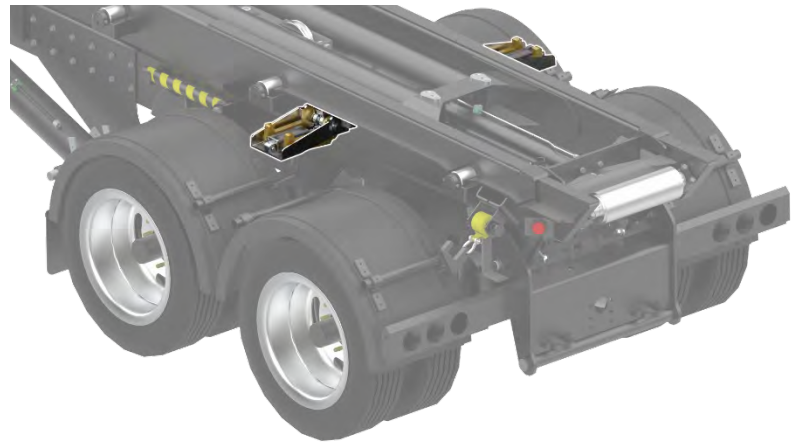
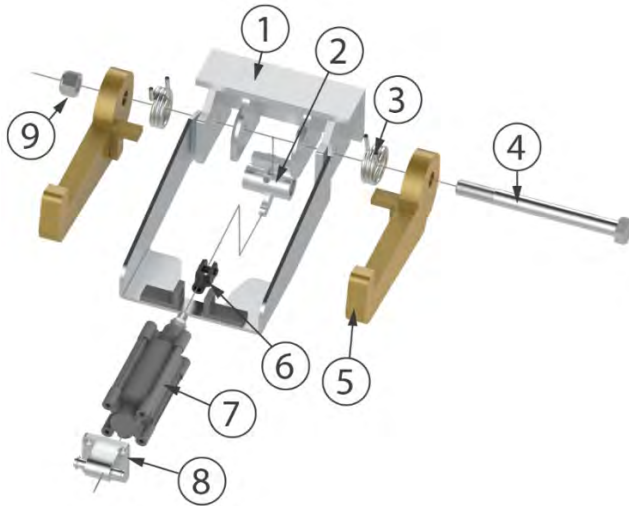
## 7.7 TRAILER HITCH



DESCRIPTION	PARTS NO.
ASSEMBLED "PUP" TYPE HOOK	DV-0013-6570

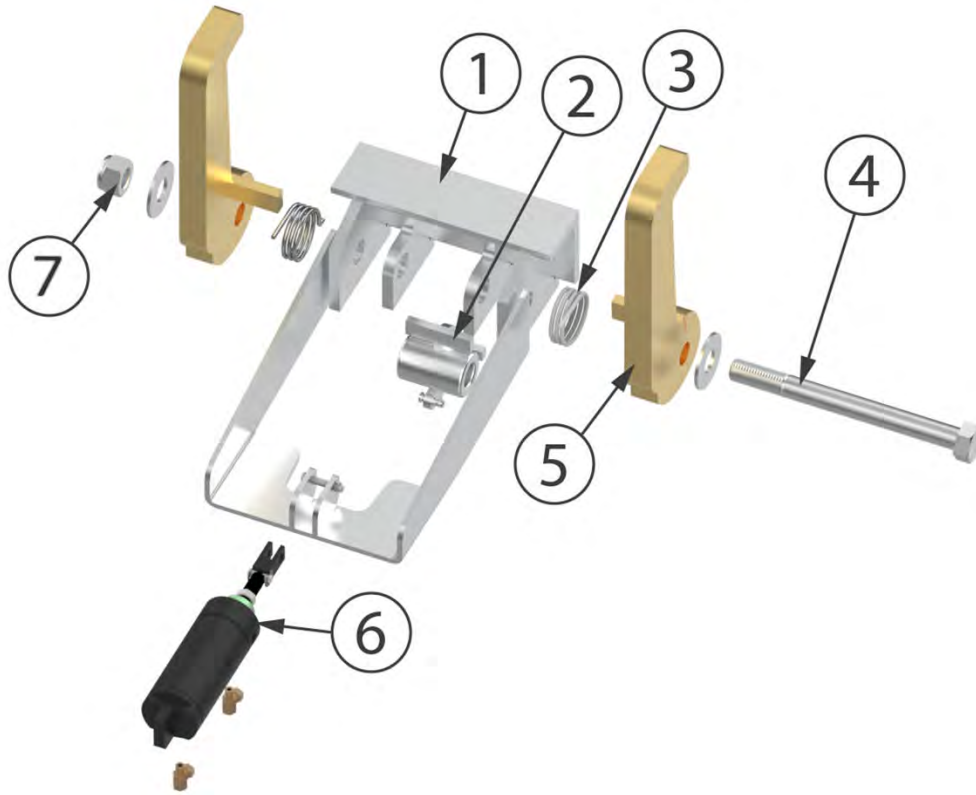
## 7.8 PNEUMATIC LOCK

### a. SQUARE CYLINDER MODEL



NO.	QTY	DESCRIPTION	PARTS NO.
	1	PAIR OF LOCKING SYSTEM	699-300-1000
	2	SINGULAR LOCKING SYSTEM (COMPLETE SET)	699-300-1600
1	1	SYSTEM SUPPORT	699-300-1620
2	1	CAM FOR HOOKS	DV-0010-1814
3	1	RIGHT SPRING	DV-0010-1812
	1	LEFT SPRING	DV-0010-1813
4		HEX. BOLT 1.00x 10.50Z (GRADE 8) – ZINC STEEL	-
5	1	RIGHT HOOK	DV-0010-1816
	1	LEFT HOOK	DV-0010-1815
6	1	FORK	DV-0010-1864
7	1	AIR CYLINDER	DV-0016-0085
8	1	CYLINDER HOLDER	DV-0010-1865
9		HEX. NUT 1.0ZN (GRADE 8) – ZINC STEEL	-

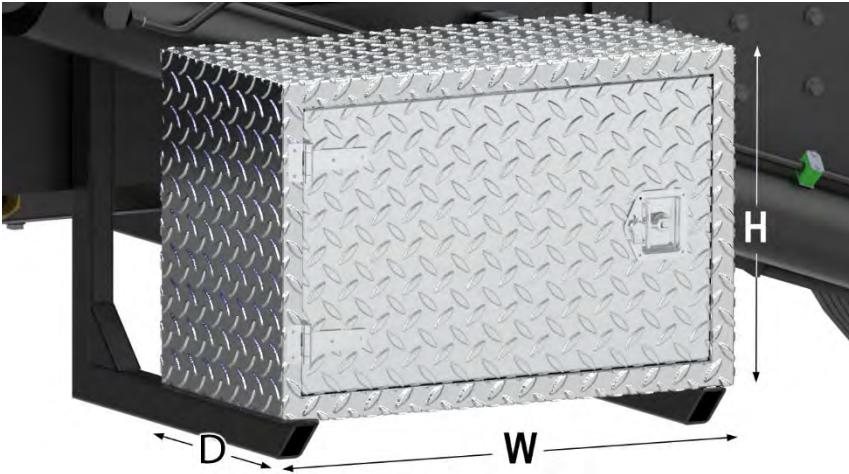
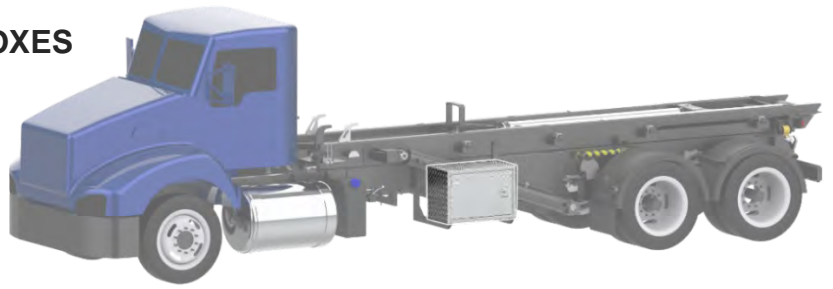
## b. ROUND CYLINDER MODEL



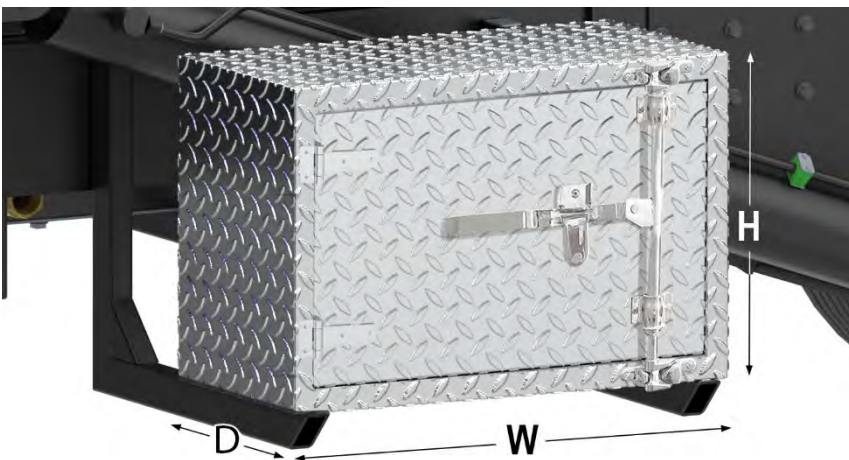
NO.	QTY	DESCRIPTION	PARTS NO.
	1	PAIR OF LOCKING SYSTEM	DV-0010-1074
	2	SINGULAR LOCKING SYSTEM LEFT (COMPLETE ASSEMBLY)	699-300-1300G
	2	SINGULAR LOCKING SYSTEM RIGHT (COMPLETE ASSEMBLY)	699-300-1300D
1	1	SYSTEM SUPPORT	699-300-1310
2	1	CAM FOR HOOKS	699-300-1320
3	1	RIGHT SPRING	699-300-1330A
	1	LEFT SPRING	699-300-1330
4	1	HEX. BOLT 1.00x 10.50Z (GRADE 8) – ZINC STEEL	-
5	1	RIGHT HOOK	699-300-1300D
	1	LEFT HOOK	699-300-1300G
6	1	AIR CYLINDER	DV-0016-0069
7		HEX. NUT 1.0ZN (GRADE 8) – ZINC STEEL	-

The pneumatic lock automatically engages when the PTO is deactivated and disengages when the PTO is engaged.

## 7.9 STANDARD TOOLBOX/STORAGE BOXES

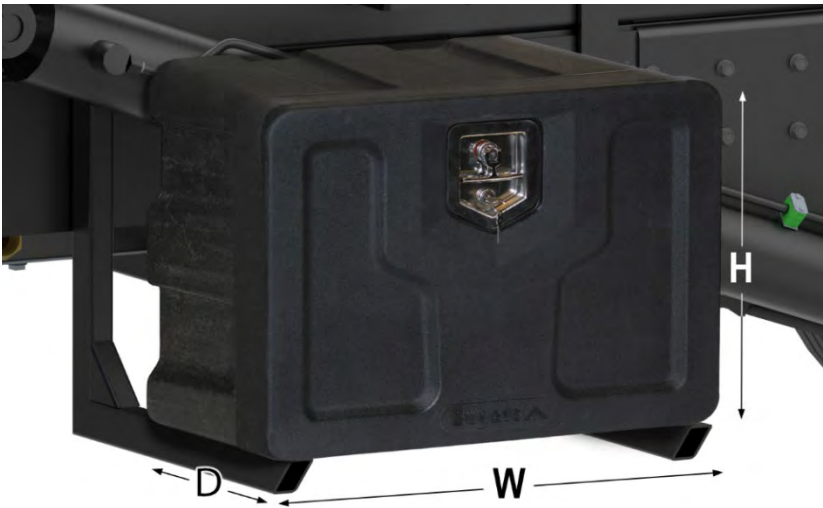


TOOLBOXES	MATERIAL	H	D	W	PARTS NO.
	ALUMINUM "CHECKER PLATE" T-HANDLE	18"	24"	36"	COA-0118-2436
	ALUMINUM "CHECKER PLATE" T-HANDLE	24"	18"	18"	COA-0124-1818
	ALUMINUM "CHECKER PLATE" T-HANDLE	24"	18"	24"	COA-0124-1824
	ALUMINUM "CHECKER PLATE" T-HANDLE	24"	18"	30"	COA-0124-1830
	ALUMINUM "CHECKER PLATE" T-HANDLE	24"	18"	36"	COA-0124-1837
	ALUMINUM "CHECKER PLATE" T-HANDLE	30"	24"	31"	COA-0130-2415



TOOLBOXES	MATERIAL	H	D	W	PARTS NO.
	ALUM. "CHECKER PLATE" COMPRESSION HANDLE*	24"	18"	27"	COA-1824-1827
	ALUM. "CHECKER PLATE" COMPRESSION HANDLE*	24"	18"	36"	COA-1824-1836

\*Light integrated inside the toolbox.



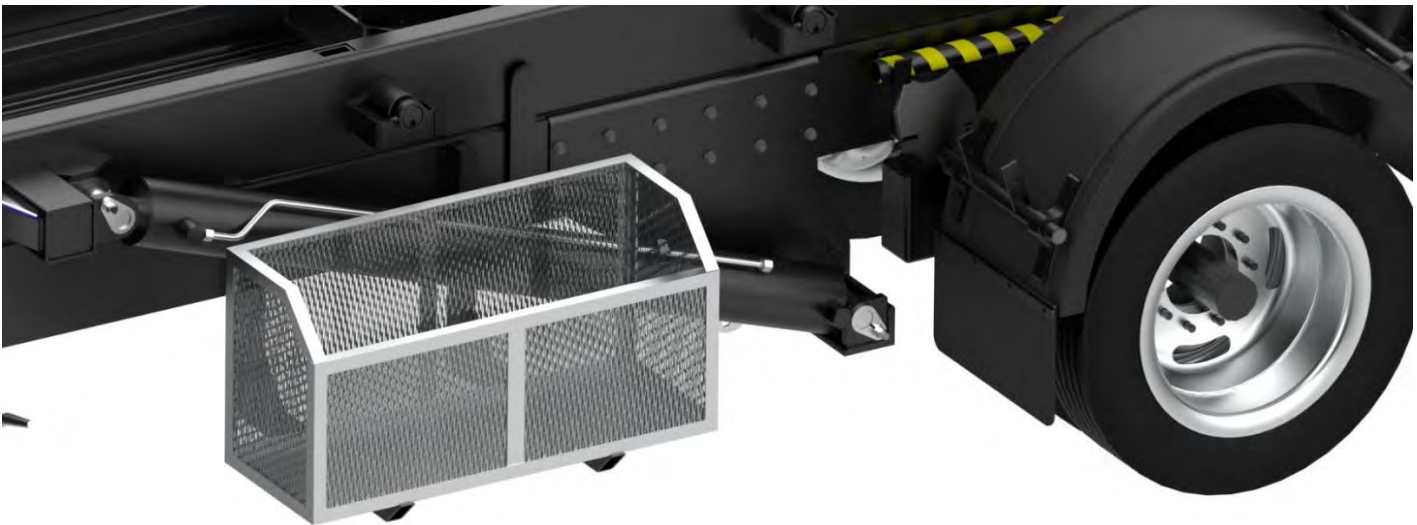
MATERIAL	H	D	W	PARTS NO.
POLYETHYLENE TOOLBOX, T-HANDLE	18"	18"	36"	COP-4118-1836

Other types of toolboxes are available for order.

DESCRIPTION	PARTS NO.
TOOLBOX SUPPORT - LONG	690-650-7500
TOOLBOX SUPPORT - SHORT	690-650-7000
TOOLBOX SUPPORT MOUNTED ON TARP SUPPORT	699-500-4400

Check the support length specific to your truck with Durabac before ordering.

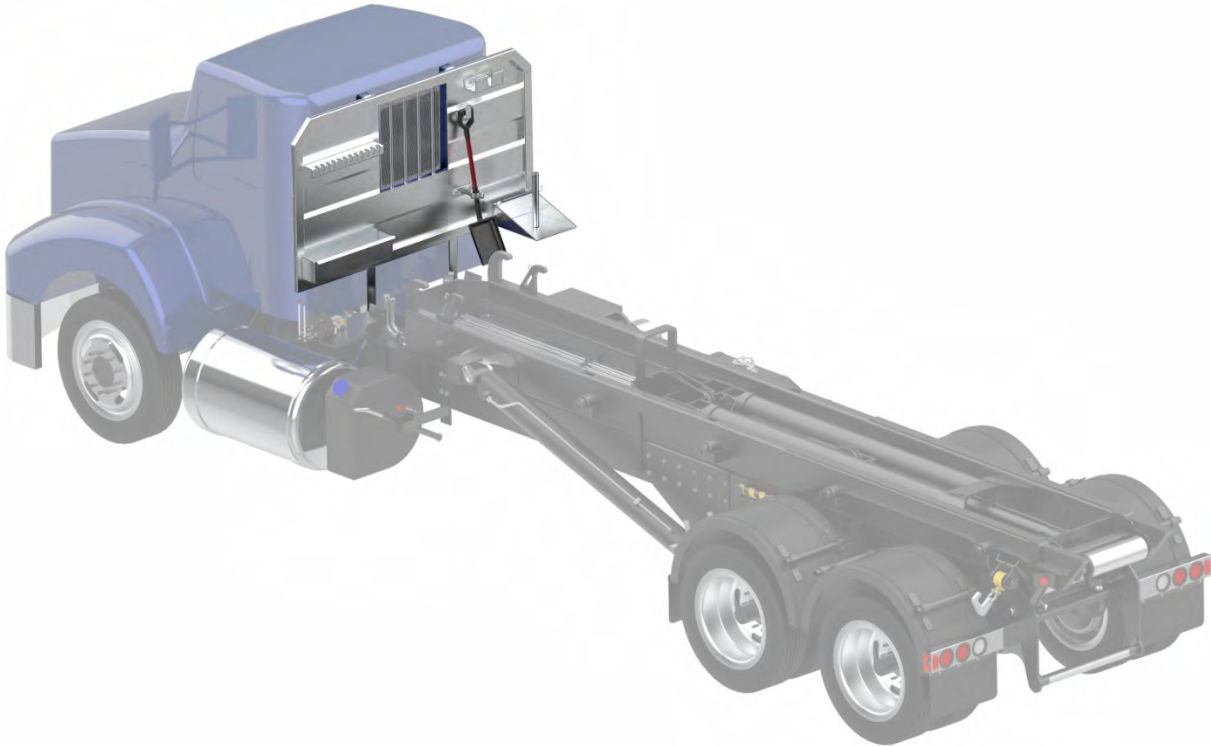
## 7.10 WOOD CAGES



DESCRIPTION	PARTS NO.
36" LONG WOOD CAGE	699-210-0200
48" LONG WOOD CAGE **	699-210-0150
60" LONG WOOD CAGE	699-210-0120
100" LONG WOOD CAGE	699-210-0000

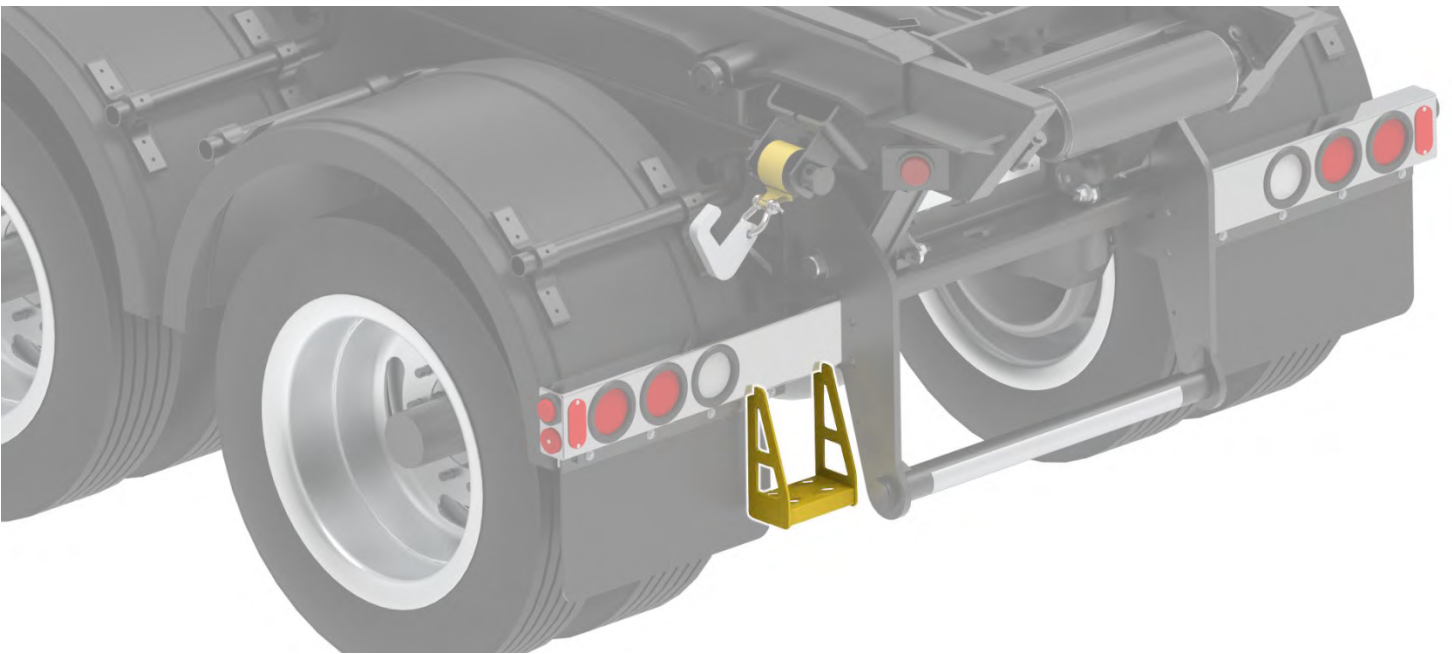
\*\*Image above represents the 48" wood cage

## 7.11 CABIN PROTECTOR



DESCRIPTION	PARTS NO.
CABIN PROTECTOR WITH ACCESSORY BRACKETS	699-600-1000

## 7.12 STEPS



DESCRIPTION	PARTS NO.
BACK STEP	699-350-1000
LADDER STEP	699-350-1100

Rev 6. FEB 2025  
 If your vehicle's parts do not match  
 the images/charts - Contact Durabac.



## 7.13 SUPPORTS

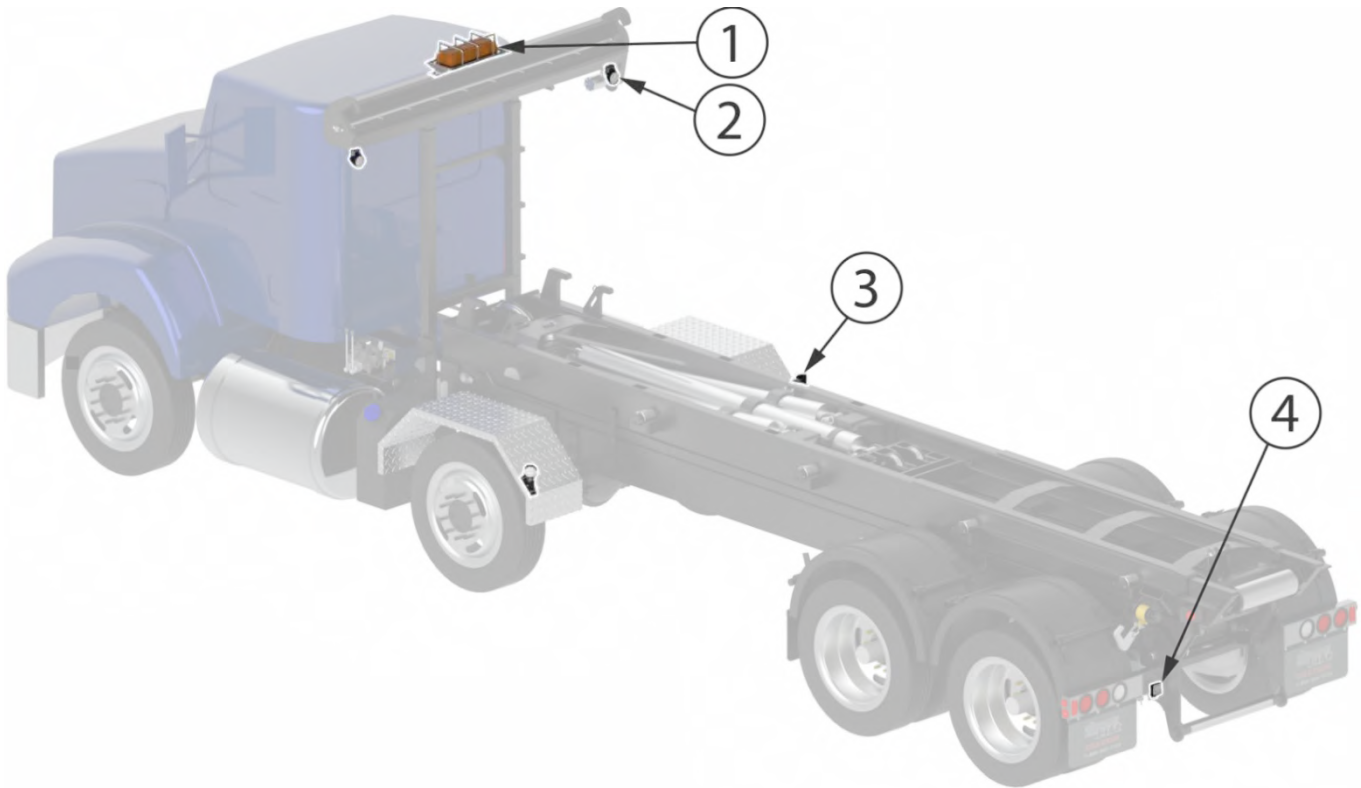
DESCRIPTION	PARTS NO.
SHOVEL SUPPORT	699-500-1000
CONE HOLDER (UPWARD)	699-500-2000
CONE HOLDER (DOWNWARD)	699-500-2100
SPILL KIT SUPPORT	699-500-4110
10 & 20lb FIRE EXTINGUISHER HOLDER ON THE TARP RACK	699-500-4310
10 & 20lb FIRE EXTINGUISHER HOLDER	699-500-4353
WHEEL SUPPORT	699-500-6000
POLE SUPPORT	699-500-7000

## 7.14 ACCESSORIES

DESCRIPTION	PARTS NO.
SHOVEL	699-500-1020-ROT
BROOM	DV-0013-1240
10Lb FIRE EXTINGUISHER	709-050-1000
20Lb FIRE EXTINGUISHER	709-050-2000
SPILL KIT WITHOUT SUPPORT	KT-DRC-326

## 7.15 LIGHTS AND ELECTRICAL ACCESSORIES

### a. LIGHTS



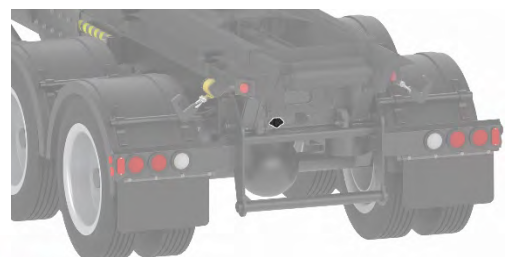
NO.	DESCRIPTION	PARTS NO.
1	STROBE LIGHT (1)	KT-DRC-501
1	STROBE LIGHT (2)	KT-DRC-501-B
2	WORK LIGHT BELOW TARP SUPPORT (2)	KT-DRC-502
3	FRONT FENDER WORK LIGHT (2)	KT-DRC-504
4	BUMPER WORK LIGHTS (2)	KT-DRC-503
	DRC WIRING AND LED LIGHT KIT	ELE-0001-0068
	LICENSE PLATE LIGHT BRACKET	SEE-0001-1036
	LICENSE PLATE LIGHT	SEE-0001-1037
	4" RED LED LIGHT	SEE-1130-5401
	4" WHITE LED LIGHT	SEE-1130-5402
	4" RUBBER RING	SEE-0001-0011

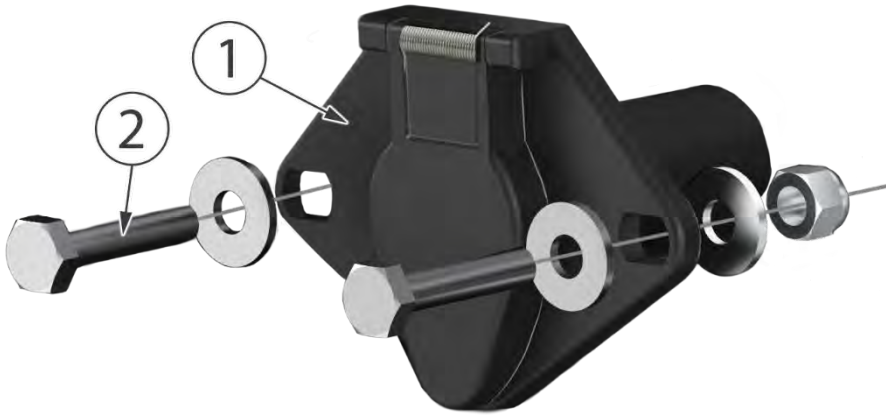
### b. ELECTRICAL AND PNEUMATIC CONNECTION

DESCRIPTION	PARTS NO.
ELECTRICAL AUXILIARY OUTPUT FOR ACCESSORY	KT-DRC-441

#### TELESCOPIC TAIL CONNECTION

Located below the standard license plate holder





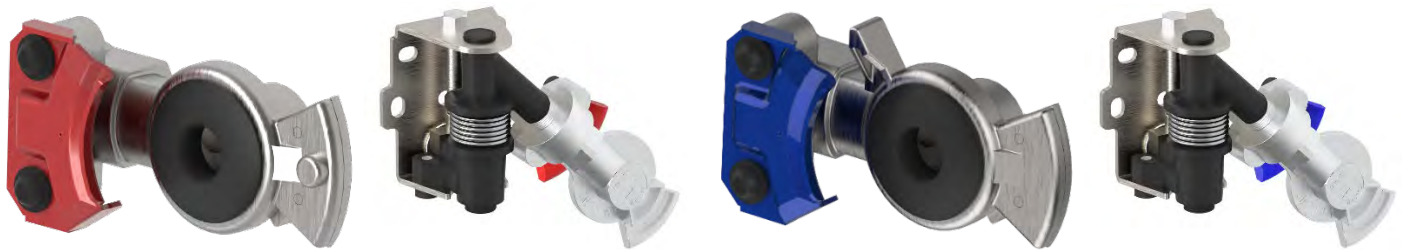
**4 Pins, Female**

NO.	QTY	DESCRIPTION	PARTS NO.
1	1	ELECTRICAL CONNECTION TELESCOPIC TAIL, 4 pins - FEMALE	ELE-0001-0096

NO.	QTY	DESCRIPTION
2	1	TT ELECTRICAL CONNECTION HARDWARE
	4	HEX. BOLT .25x 1.25SS – STAINLESS STEEL
	8	WASHER .25SS SAE – STAINLESS STEEL
	4	HEX. NUT .25ZN – ZINC STEEL

DESCRIPTION	PARTS NO.
AUDIBLE ALARM AND INDICATOR LIGHT WHEN THE LIFTING SYSTEM IS RAISED.	KT-DRC-508
SOUND ALARM KIT, INDICATOR LIGHT AND SPEED LIMITER WHEN FRAME SYSTEM LIFTED	KT-DRC-514

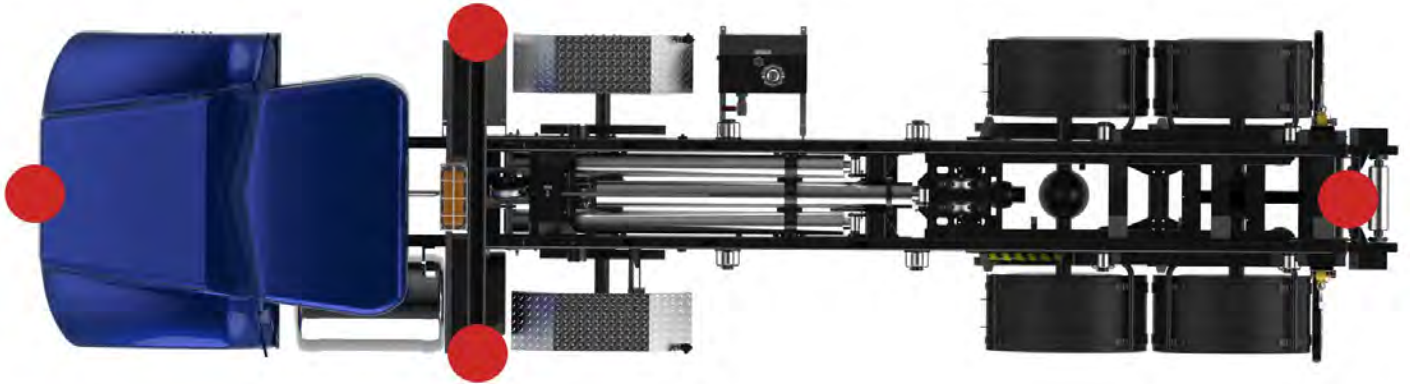
**AIR LINE COUPLINGS**



DESCRIPTION	PARTS NO.
BLUE AIR LINE – SUPPLY LINE	DV-0002-3757
RED AIR LINE - SERVICE LINE	DV-0002-3756
BLUE AIR LINE 45° – SUPPLY LINE	DV-0033-0164
RED AIR LINE 45° - SERVICE LINE	DV-0033-0163

## 7.16 CAMERAS

Possible camera positions depending on the option chosen:



Standard locations, can be located at the customer's choice

NO.	DESCRIPTION	PARTS NO.
1	SYSTEM (1) REAR VIEW CAMERA. INCLUDES (1) 7" COLOR LCD MONITOR WITH AUDIO	KT-DRC-531
2	HARDWARE KIT REAR VIEW CAMERA SYSTEM	KT-DRC-532
3	(4) 360° BIRD'S-EYE VIEW CAMERA	KT-DRC-533
4	3RD EYE SYSTEM (1) REAR VIEW CAMERA. INCLUDES (1) 7" COLOR LCD MONITOR WITH AUDIO	KT-DRC-534

IMAGES	DESCRIPTION	PARTS NO.
	LICENSE PLATE CAMERA	L1EL-043
	COLOR CAMERA	DV-0001-2624
	3RD EYE COLOR SIDE CAMERA	DV-0001-6226
	3RD EYE COLOR SIDE CAMERA - 2	DV-0001-6227
	7" 3RD EYE CAMERA MONITOR	DV-0001-3171

Follow the instructions in the camera manual for installation.

# 8. MAINTENANCE

**⚠ WARNING** Review the safety code according to federal and state/provincial safety regulations. All inspection or maintenance procedures and repairs must comply with federal and provincial safety standards.

## 8.1 INTRODUCTION

To ensure satisfactory and reliable operation, it is important to read and follow the instructions below. These instructions apply to the entire Duralift cable system.

The few minutes it takes to read this document can prevent unnecessary problems and expenses caused by improper use of the system under unsuitable conditions.

The system operating pressure should never exceed the maximum recommended pressure. Excessive operating pressure could cause permanent damage to the mechanical system. Any pressure adjustments must be performed by an authorized DURALIFT technician.

**⚠ CAUTION** After the first week of use, tighten all roll-off bolts.

## 8.2 PREVENTIVE MAINTENANCE

	PREVENTIVE MAINTENANCE
EVERY 10H PER MACHINE OR DAILY	Check the hydraulic oil level. Check the cable.
EVERY 50H OR WEEKLY	Grease the axles and check the locks (on the cylinder and hinges). Grease the rollers – Ensure they turn freely. Grease the pulleys and check the play with a small bar; it should not exceed 0.25". Check the pump drive shaft on the front mount (wrench, bolts, play), then grease. Check for leaks on the: pump, cylinders, distributor, hoses, and pipes. Check the suction hose and tighten the clamps, if necessary. Check that the hoses are not coming into contact with the cab or other parts that could damage. Check the hoses at the hinges. Check the electrical wiring between the junction box and the lights. Check the welds on the hinges and mudguards Check the fire extinguisher bracket, if applicable (option). Check the condition of the mobile trolley pads and replace them when play becomes excessive.
EVERY 150H	Check the Roll-Off truck mounting bolts to the frame. Check Stauff clamps and tighten if necessary.
EVERY 500H PER MACHINE OR QUARTERLY	Take an oil sample for analysis
EVERY 1000H OR EVERY 6 MONTHS	On flanged pumps directly to the auxiliary power take-off (PTO), coat the bearing, splines, and housing with grease. Consult our service department for more details.

EVERY 2000H PER MACHINE OR ANNUALLY	Change the hydraulic oil filter.
7000H and more	Change the hydraulic oil and filter (use <b>MV32 hydraulic oil</b> )
	Clean the tank
	Replace the vented fuel cap
	Replace the hydraulic reservoir cover gasket.
	<b>ROLL-OFF EQUIPPED WITH A TARP SUPPORT</b>
EVERY 50H OR WEEKLY	Check the side supports of the tarp (cracks, bolting).
	Check the front support, extend and close the cylinder.
	Check the condition of the tarp.
	Check the front and rear fasteners of the tarp.
EVERY 500H OR QUARTERLY	Remove the protective cover and check the hydraulic motor mounting.
	Check the chain and sprockets. Lubricate if necessary.

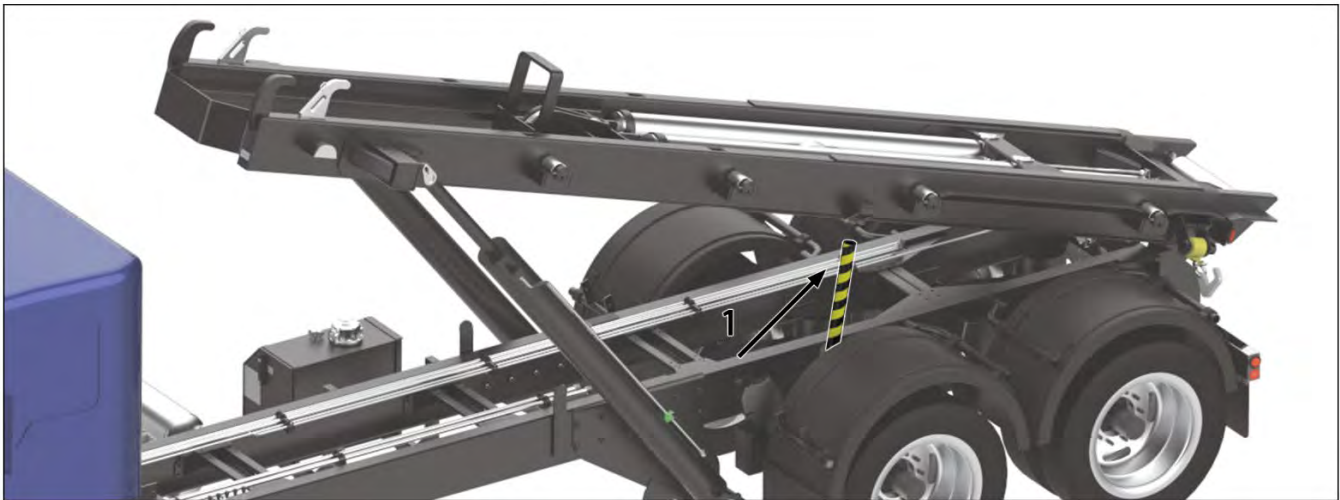
*For all other brands of tarp rollers/supports, consult the manufacturer's operating manual. If you don't have one, we will be happy to send one to you.*

### 8.3 SETTING THE BODYPROP

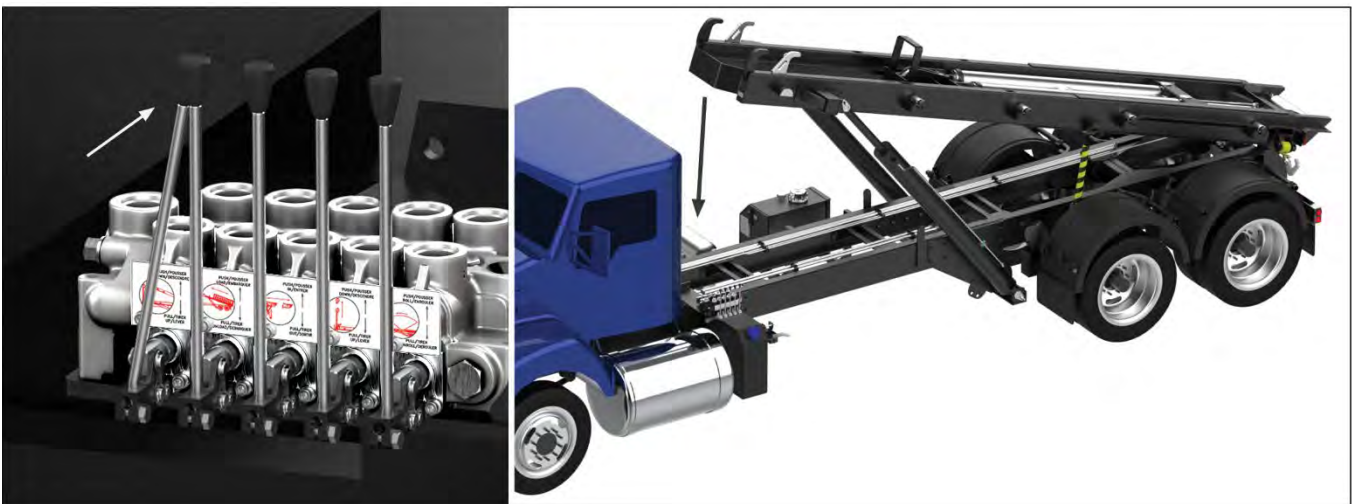
1. Start the engine, PTO, then lift the frame a few feet, to leave space only for the support.



2. Lift the maintenance support bar and align it with the support on the frame.



3. Slowly lower the frame onto the bar. Turn off the engine.



Stay clear when the frame is in motion. It is prohibited to walk under or stand on the raised frame unless the support arms are in place and lockout and tagout procedures are followed.

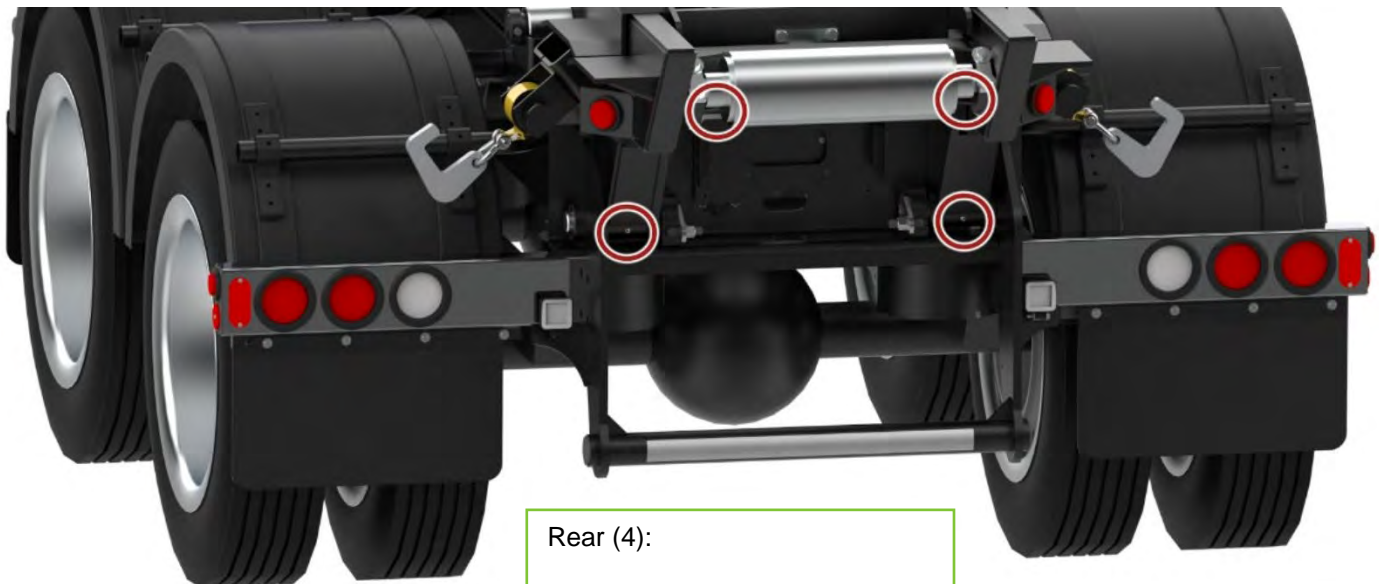
4. Check that the contact between the bar and the frame is adequate. Turn off the engine and remove the key.



5. After work, start the engine, PTO and raise the frame a few inches. Lower the support bar, move away from the truck to lower the frame gently.

**WARNING** The maintenance support **CANNOT** support more than the weight of the empty frame. The truck engine must be off when maintenance is being performed.

## 8.4 LUBRICATION



Rear (4):

Lubricate the frame pivots (2)

Lubricate the rear roller (2)



Top (8):  
Lubricate the side rollers



Top (8):  
Lubricate the cylinders (each end)

## 8.5 CABLE REPLACEMENT PROCEDURE

### 1. Removal and inspection of the old cable:

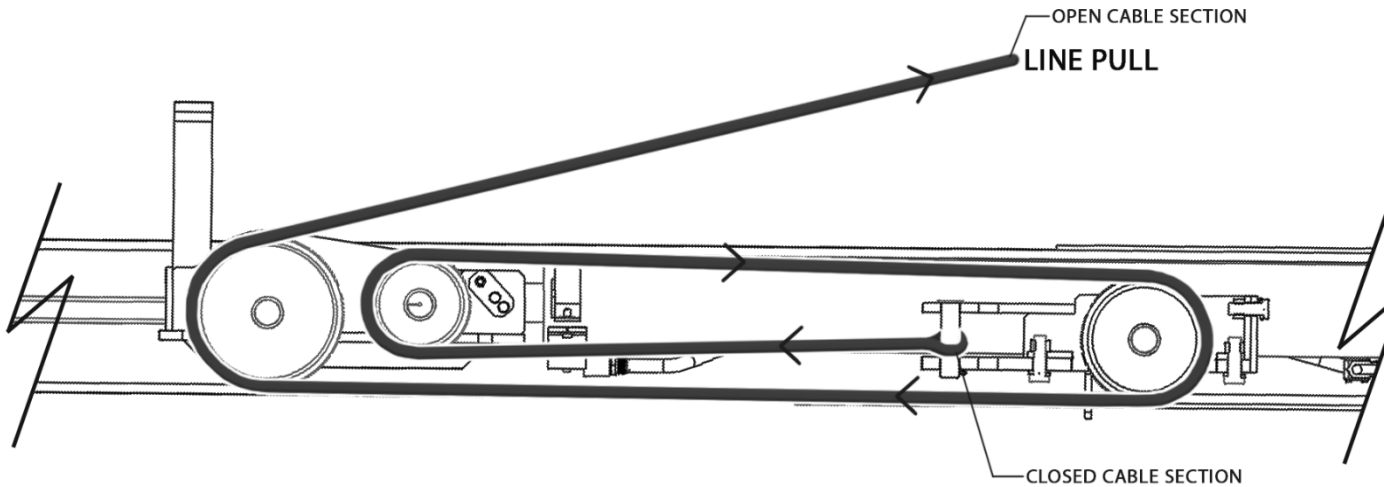
- Remove the old cable then clean and inspect the pulleys. Replace if necessary.

### 2. Laying a new cable:

- Cut the cable to the required length =  $L + 26$ ". The length "L" corresponds to the length of the rope from the center of one thimble to the other.



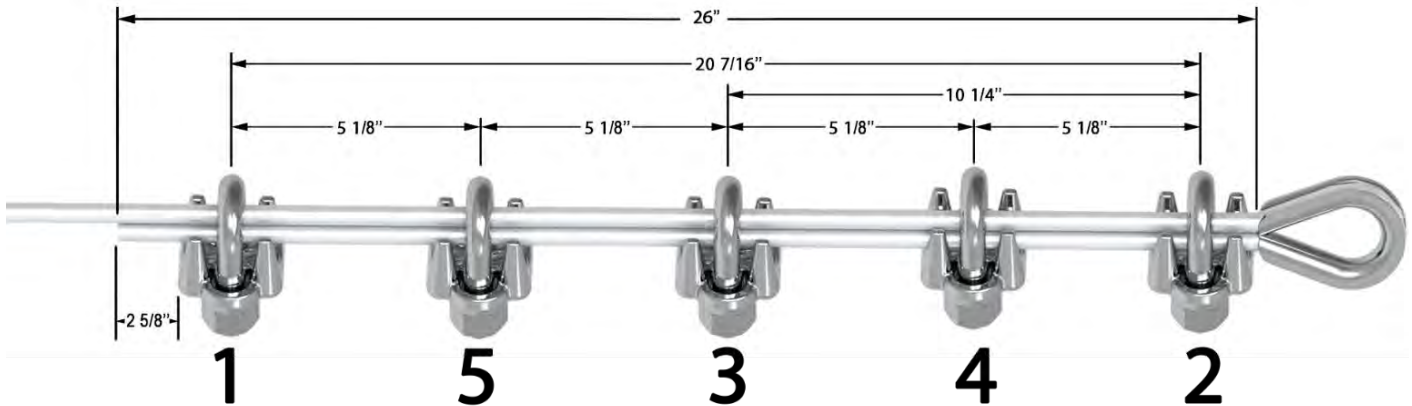
- Pass the cable through the pulleys of the trolleys



To avoid injury or death, read, understand, and follow these instructions.

Read and understand the instructions for cable ties.

Use only the correct size and shape of fastener.



3. Leave 26" of cable length after the terminal. Then place the first cable clamp 2 5/8" from the end. Tighten the nuts to hold the cable in place without overtightening.

4. Place the second cable tie as close to the terminal as possible. Tighten the nuts to hold the cable in place without overtightening.

5. Place the other three cable ties at an equidistant length between the first two cable ties.

**6. Check the rope slack, tighten the nuts on each U-bolt evenly, alternating from one nut to the next until the recommended torque, 225 lb-ft (305 Nm), is reached.**

### 7. Assembly Check:

- To validate the assembly, apply a load equal to or greater than the intended use.
- Check and tighten the nuts alternately to the recommended torque of 225 lb-ft (305 Nm). Torque values are based on clean, dry, and lubrication-free threads.
- For good assembly and maintenance practices, the cable ends should be periodically inspected for signs of wear and abuse, and to ensure proper condition.

## 8.6 HYDRAULIC SYSTEM MAINTENANCE

### TOOLS AND INSTRUMENTS REQUIRED:

The following tools and measuring instruments are required to successfully carry out the preventive maintenance and adjustments described in sections 8.5 and 8.6. Some repairs should be performed in the workshop and may require additional tools.

- o Filtration unit.
- o 4-inch locking pliers (Vise-Grip) with rounded jaws.
- o Hex (Allen) wrenches: 3/32, 5/32, and 1/4 inch.
- o Open-end wrenches: 9/16, 5/8, 11/16, 3/4, and 1 3/8 inch.
- o Adjustable wrench 0-2 inches.
- o 1/2-inch ratchet wrench with 6-inch extension.
- o Sockets: 1/2, 9/16, and 3/4 inch.
- o Pressure gauge 0-5000 PSI (0-333 BAR) with 1-meter hose and 3/8 quick coupling.
- o 3000 PSI pressure limiter for adjusting the kick-out system.
- o Oil sampling kit.
- o Scraper for reservoir cover gasket.
- o Container for oil drainage.

## 8.7 PROCESSUS DES ENTRETIENS PRÉVENTIFS

### Vérification du niveau d'huile

- The oil level in the hydraulic reservoir must be checked daily.
- Before checking the oil level, make sure the compaction, slide plate, and packing blade cylinders are fully retracted (rods inside).
- The oil level gauge is located on the left side of the reservoir on one of the sides of the frame.
- The oil level should be at  $\frac{3}{4}$  of the gauge.
- If the reservoir level is too low, add **HYDREX MV32** oil or an equivalent type.
- Oil should be added using a filtration unit.
- Before opening the fill cap, clean the surrounding area to prevent contaminants from entering the reservoir during filling.
- Add the required amount of oil to reach  $\frac{3}{4}$  level through the fill cap located on top of the reservoir.

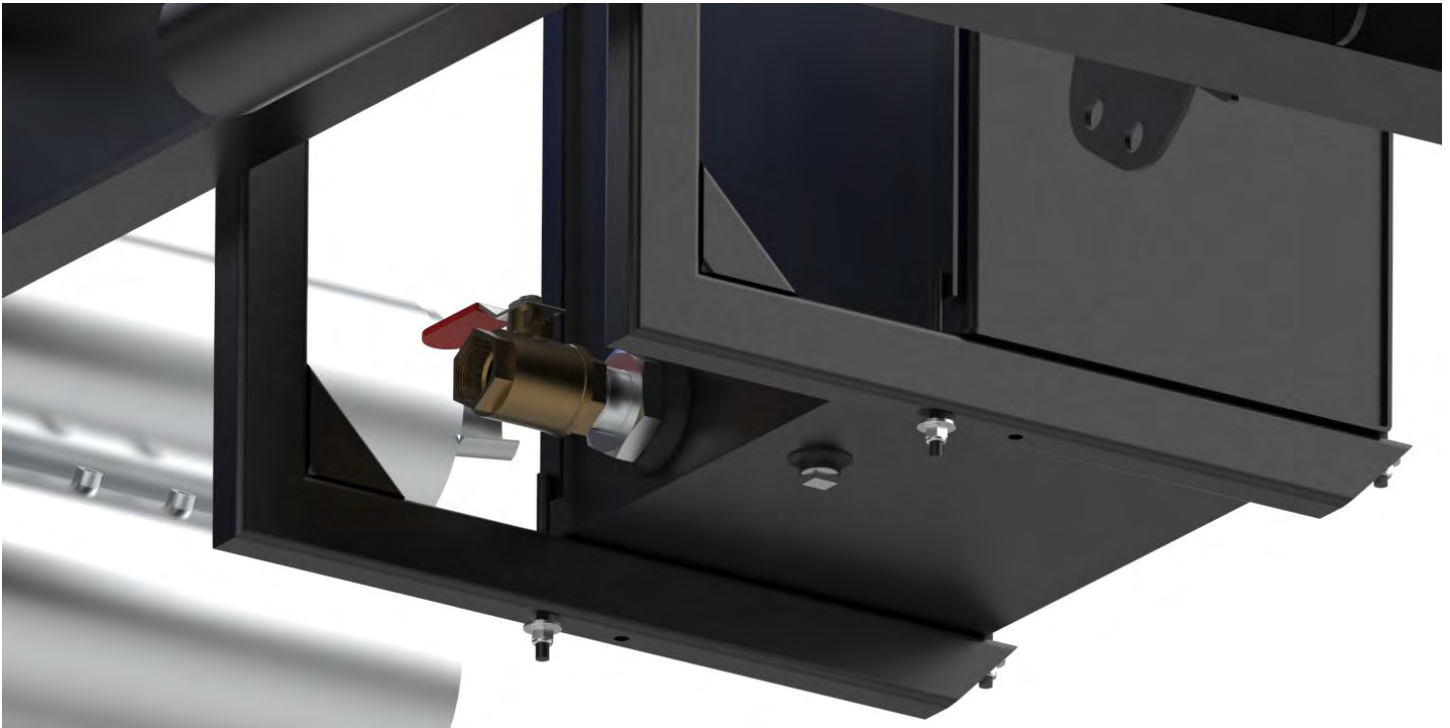
### Replacing the return filter

- Clean the top of the tank and unscrew the filter cover.
- Remove the filter cartridge, place it in a sealed plastic bag, and set it aside.
- Inspect the cover gasket and replace it if necessary.
- Place a new cartridge in the filter housing and screw the filter cover back on.
- Start the hydraulic system and check for oil leaks.
- Keep the old cartridge for analysis.



### Draining the hydraulic system

- The hydraulic system oil must be changed every 2,000 hours or annually, whichever comes first.
- Run the hydraulic system until the oil reaches its operating temperature (approximately 30°C / 120°F).
- Ensure all cylinders are fully retracted (rods in), the box and tank valves are in the neutral position (lever centered), and the valve on the pump suction fitting is open. Then stop the engine.
- Close the valve on the suction fitting.
- The reservoir drain plug is located underneath the reservoir, on the pump suction fitting. Place a container large enough to hold the contents of the reservoir and unscrew the drain plug.
- Slowly open the valve to allow the oil to drain from the reservoir into the drain container.



**NOTICE** Never run the engine when there is no oil in the reservoir.

- Once the reservoir is empty, clean the interior.
- After cleaning the inside of the reservoir, remove the suction filter and clean it. If it is damaged, install a new one.
- Screw the drain plug back in and open the valve on the suction fitting.
- Install a new cover gasket and replace the reservoir cover.
- Fill the reservoir as outlined in the "**Oil Level Check**" section.
- Run the hydraulic system to check for oil leaks.

### Oil contamination

- Every **500 hours** or every **3 months**, take an oil sample for analysis.
- The oil must be sampled directly from the reservoir through the fill cap opening. Be careful not to collect oil from the return filter cartridge, as it will contain a high concentration of contaminants and such a sample would not accurately represent the current condition of the oil.

## 8.8 OPTIONS MAINTENANCE

Look at point 8.2 on preventive maintenance and apply it to the relevant options.

Lubricate all necessary points. Look for lubrication points, usually located on hydraulic cylinders and moving parts.



## 8.9 BREAKDOWNS AND SOLUTIONS

PROBLEMS	MAIN CAUSE	CORRECTIVE MEASURES
<b>Hydraulic system malfunction</b>	Low oil level in the reservoir	Add oil
	Suction valve closed	Open the suction valve
	Clogged suction filter	Replace the filter
	Crushed or blocked suction hose	Replace the suction hose
	Incorrect pump rotation direction	Reverse the pump rotation direction
	Pump not turning	Check the truck's power take-off (PTO)
	Oil with improper viscosity	Replace with lower-viscosity oil
	Dry-valve not working	Contact the manufacturer
	Excessive wear of internal pump components	Replace the pump
	Main pressure relief valve misadjusted	Contact the manufacturer
<b>Excessively noisy pump</b>	Low oil level in the reservoir	Add oil
	Suction valve partially closed	Open the suction valve
	Clogged suction filter	Replace the filter
	Air intake in the suction line	Tighten the fittings
	Air intake through the pump shaft seal	Replace the pump shaft seal
	Incorrect oil viscosity	Change the oil for a lower viscosity oil
	Excessive pump speed	Reduce the pump speed
	Excessive wear of internal pump components	Replace the pump
Pump disengaged (Dry valve)	Engage the pump	

PROBLEMS	MAIN CAUSE	CORRECTIVE MEASURES
Oil leak at the pump	Loose fittings	Tighten the fittings
	Worn pump shaft seal	Change the pump shaft seal
	Excessive driveshaft vibration	Balancing the driveshaft
Oil leak at the valves	Defective gasket	Change the valve seals

**NOTICE** Refer to section “8. Maintenance” for details on certain corrective measures.

**A well-established procedure is essential to prevent premature wear. Therefore, it is important to keep the following information:**

- Description of symptoms and date of onset.
- Description of preliminary observations and their results.
- Report on corrective actions, replacement parts, date repairs were performed, and duration of inoperability.
- Record indicating oil specifications, dates of addition or replacement, filter cartridge replacement, or strainer cleaning.



