



Mobile Cylinders

Replacement Refuse Cylinders

Catalog HY18-0020/US





WARNING

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This document and other information from Parker Hannifin Corporation, its subsidiaries and authorized distributors provide product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application and review the information concerning the product or system in the current product catalog. Due to the variety of operating conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met.

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Cylinders were among the first hydraulic products of Commercial Hydraulics beginning in 1928. In 2000 Commercial Intertech Corp. merged with the Parker Hannifin Corp. Today, the Parker Mobile Cylinder Division is recognized as one of the largest independent manufacturers of hydraulic cylinders for mobile equipment and a leading supplier to refuse, mining, truck, material handling and positioning markets. Parker's Mobile Cylinder Division products include double- and single-acting telescopic cylinders, rod cylinders and "smart cylinders" with internal electronic controls.

Additionally, the company enjoys a reputation for quality custom built cylinders that demonstrate engineering know how and adept manufacturing. Cylinders represent a significant portion of the company's Hydraulic Systems sales - their contribution has resulted in significant capital expenditures geared to establish Parker's Mobile Cylinder Division as the world's leading manufacturer of hydraulic cylinders.

About our Quick Reference and Application Guide . . .

It's our goal to provide our customers with the highest quality cylinders. If the need arises for a cylinder not listed in this guide, please furnish us the following information and we'll do our best to provide a new or replacement.

- * OEM identification number
- * Single- or double-acting type
- * Outside diameter of the largest moving stage or rod and bore diameters
- * Number of moving stages
- * Application
- * Retract or closed length
- * Stroke length
- * Extend or open length
- * Pineye sizes
- * Plunger mount type
- * Base mount type

Please refer to the cylinder specification data forms for more information.

Parker's Mobile Cylinder Division has complete manufacturing facilities to fill all your cylinder needs from 1 piece to 1000 pieces. If you're looking for a prototype, a special cylinder, or a production run, Parker's Mobile Cylinder Division is the place to call.

Parker Hannifin Corp.
Mobile Cylinder Div.
P.O. Box 239
Youngstown, OH 44501-0239

Phone: 800-848-5575
Fax: 800-694-3392
E-mail: mcdsales@parker.com
www.parker.com

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MOBILE CYLINDER DIVISION PRODUCTS & CAPABILITIES

- **TELESCOPIC CYLINDERS**
Single Acting
Double Acting
- **SINGLE STAGE “Rod Type” CYLINDERS**
Single Acting
Double Acting
- **BUILD TO CUSTOMER PRINTS OR PER APPLICATION SPECIFICATIONS**
- **BORE SIZES UP TO 20” DIAMETER**
- **STROKE LENGTHS UP TO 500”**
- **OPERATING PRESSURES UP TO 10,000 PSI**
- **VARIOUS OPERATING FLUIDS**
- **BATCH SIZES 1PC TO 100’s**
- **VARIOUS MATERIALS & COATINGS**
Stainless Steel
Electroless Nickel
Nitriding
Chrome
Double Chrome
- **TYPICAL OPTIONS**
Load Holding Valves
Electro-Hydraulic Transducers
End of Stroke Hydraulic Cushions
Protective Rod Boots
Proximity Switches
Flow Controls
Flow Fuses

Single and Double Acting Telescopic Cylinders

ALL NEW DESIGN WITH THE FOLLOWING FEATURES

Urethane Poly Pack Seals

- Custom Configured
- Multi-lip
- R&D and field tested

Internal Bronze Packing Nuts*

- Added bearing support (218% greater length)
- Eliminates back packing of garbage into the wipers
- Reduces Seal Wear

Heavy Chrome Plating

- All stages 0.003" plated *
- 0.002" plating non-FEL pack eject
- Reduces external nicks
- Increased corrosion protection
- Improved wear resistance

Thick Wall Plunger*

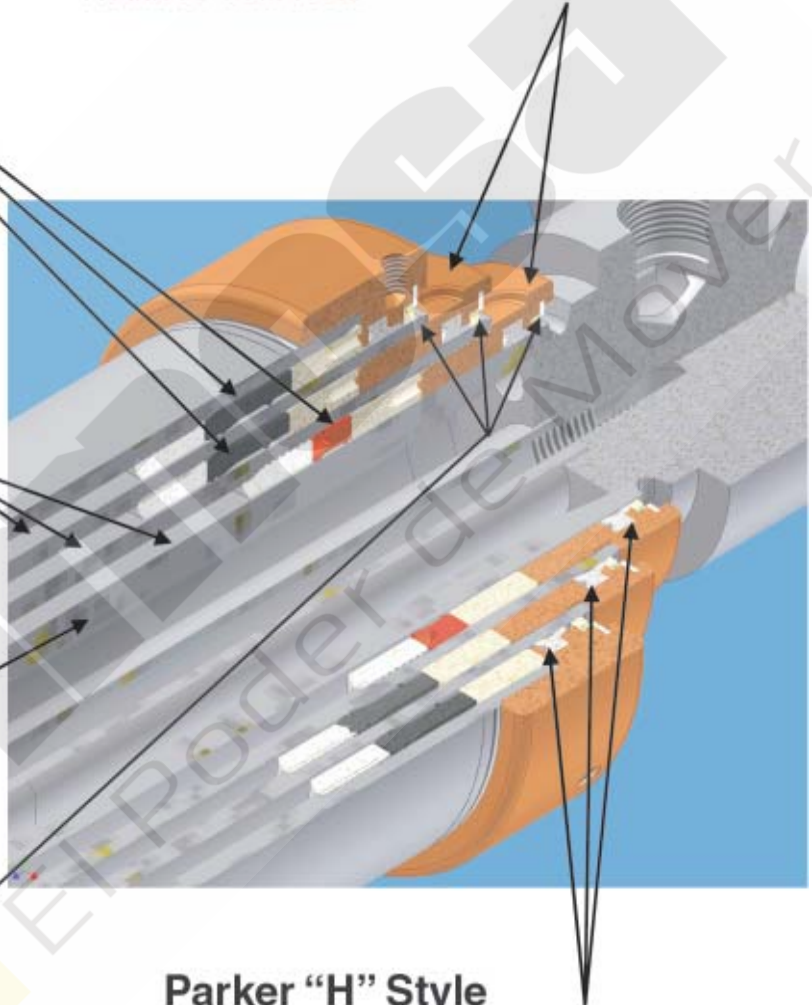
- Reduces flexing
- Helps eliminate fatigue

Full Metal Scrapers*

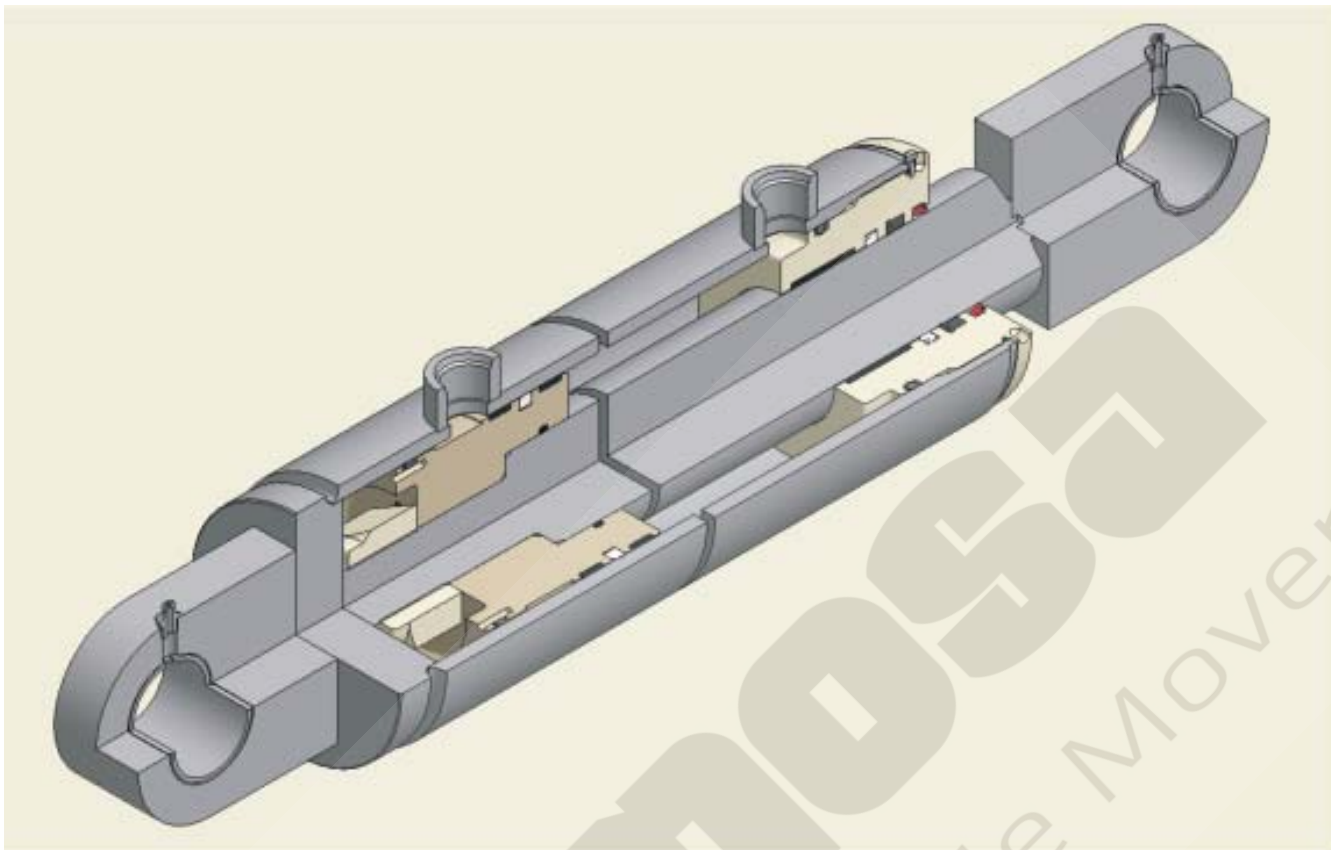
- Bronze scraper ring on each stage
- Removes foreign material from sleeves
- Protects the wipers and seals from external contamination
- Extends seal life

Parker "H" Style Double Lip Wipers

- Stops external contamination from entering
- Prevents oil from escaping



***Features unique to the Front Loader, Pack Eject Cylinders**



Features

- Parker Seal Division – "Zero-leak" Sealing Package
- 100,000 Yield Induction Hardened Chrome Plated Rod as Standard
- Skived and Burnished Tubing
- Hardened Pin-eye Bushings
- Parker "Zero-leak" Internal Bypass Piston Design
- Greater Rod Support

Benefits

- Leak Free Extended Life
- More Resilient to External Damage
- Consistent Quality
- Extends Cylinder Life as Cylinder Wears
- More Efficient / Less Heat
- Resists rod Deflection and Side Loading

Recommended Cylinder Replacement & Maintenance Practices

PURPOSE:

Hydraulic cylinders are the most expensive components to maintain on a collection unit. The following lists recommended guidelines for cylinder replacement practices. When installing a replacement cylinder, it is imperative that all causes of the cylinder failure (oil contamination, structural failures...) be corrected to protect the investment of the replacement cylinder. These recommendations are provided as minimum guidelines when replacing cylinders of collection vehicles.

When replacing a cylinder with a new or remanufactured cylinder, it is recommended that these basic items be performed prior to installation of the replacement cylinder:

1. Identify the root cause of cylinder failure (if applicable).
2. Flush and / or filter hydraulic oil and system. Replace oil and filter if applicable.
3. Check, correct any alignment problems (tracks, mounts, bearings, shoes, pins...).
4. Completely and thoroughly clean the mounting area of any refuse or contamination.
5. Replace all cylinder pins and pin retainers.
6. Replace all cylinder connecting hoses, fittings (flush before installation).
7. Fully lubricate all bearings before initial operation.

Detailed information provided below supports the 7 basic criteria recommended above.

NOTE: Safety and safe working procedures must be followed at all times. OSHA Lock Out Procedures must be followed when maintaining and inspecting this equipment. Follow all safety practices when performing any inspection or maintenance procedures.

A. BEFORE REPLACING CYLINDER - TROUBLESHOOTING and DIAGNOSTICS:

Many times a failed cylinder will be replaced without regard for the root cause of the failure. In most cases, the failure is a result of a "domino" effect of events that occur gradually over time, all contributing to the cylinder failure. Prior to removing and replacing a cylinder from a vehicle and/or returning a cylinder for warranty consideration, the following should be inspected:

1. Determine the root cause of the failure (see troubleshooting table).
2. Inspect the rod/stage(s), the case, and the cylinder mounting (see troubleshooting table).
3. Check & document the hydraulic oil level, appearance and odor. Take and submit an oil sample.
4. Review the operating characteristics of the operator and of that particular unit as compared to other units.
5. Review the repair history of the vehicle.
6. Check & document the hydraulic system pressure and flow. (Reset as required)
7. Does the cylinder have any of the following operational damage that would cause the seal to leak.
 - a) Acid or caustic like corrosive damage.
 - b) Pitting/flaking chrome caused by corrosive material.
 - c) Contamination impregnated in or adhered to the rod that would pass through wipers and damage the seal.
8. Is internal damage (bypass) suspected?
 - a) Fluid contamination (may be indicated by scratches on rod).
 - b) Operating at higher than designed pressures. Has the pressure been checked?
 - c) Has the equipment been improperly operated?
 - d) Cylinder barrel issues that would cause damage to piston seals: dents, bent, wear marks, bulging.
 - e) To check for leakage past the piston: (only on demounted cylinders)
 - Pressurize one end of the cylinder.
 - Allow the cylinder to travel the length of the stroke, fully extended and retracted (to a relaxed position).
 - Remove pressure.
 - Disconnect the fluid line at the opposite port. Caution: Only if cylinder is NOT holding any loads.
 - Re-pressurize the side still connected to the cylinder.
 - Check for fluid leakage past the piston. A typical double acting rod cylinder should have leakage of less than 1/2-cup per minute and a typical double acting telescopic cylinder equipped with cast iron

Recommended Cylinder Replacement & Maintenance Practices

rings should have leakage of less than 1/2-1 gallon per minute.

- f) Is unit operating at high oil temperatures?
- 9. Is there any obvious external operational damage to case or rod?
 - Rod bent, dented, scratched, etc.
 - Non-uniform scratches along length of rod that may indicate side loading.
 - Cylinder barrel issues: dents, bent, wear marks, bulging.
- 10. Are there any cylinder mount issues?
 - Bearings broken/galled/uneven wear.
 - Cylinder Pins: Bent/uneven wear.
 - Improper maintenance (mounting pin seizing due to corrosion - can break weld or mount).
 - Pin mount structural damage: pin hole damaged, worn, torn out, elongated, bearing cracked....

B. CYLINDER REPLACEMENT GUIDELINES:

1. Use the appropriate moving/lifting device when mounting or moving the cylinder. Improper lifting and/or moving may result in injury to person or damage to cylinder.
2. Inspect replacement cylinders for any damage that may have occurred during shipping. (Examples of damage are bent rods, dented casings, bearing broken or missing, ports bent or caps missing, etc.)
3. Determine that the problem that caused the original cylinder to fail has been corrected.
4. If internal damage has been detected or if water is present in the oil, the hydraulic fluid is contaminated.

It is very important that the entire hydraulic system be flushed and all filters be changed.

If the hydraulic system is not cleaned, the replacement cylinder will be contaminated causing premature failure of that cylinder, along with other components of the hydraulic system. Filter cart flushing may be substituted.

Alternative to full unit flushing is to use hydraulic filter buggy and flush the system. If cylinders are being replaced because of catastrophic hydraulic failures, complete fluid flush and replacement is recommended. When in doubt, replace all fluids and filters.

- a) Retract all cylinders and drain tank.
- b) Thoroughly flush hydraulic tank and wipe clean with clean, lint-free cloths.
- c) Install new pressure and return filter elements. If unit does not have filtration, contact your equipment supplier for recommendations.
- d) Fill the tank with new oil. Consult OEM Operations and Service Manuals for recommended oil. Insure that all cylinders are retracted when filling.
5. Clean all fittings, hydraulic lines and connections to ensure no debris or contamination is present. Debris can and will shorten the life of the cylinders and hydraulic system. Remove port plugs only when ready to attach lines or tubes.
 - a) If necessary, flush the hydraulic lines and other components with new oil.
6. Replace the pins, hydraulic lines, and/or fittings if wear or damage is present.
7. INSPECT FOR POSSIBLE SIDE LOADING CONDITIONS.
 - a) Proper alignment of the cylinder rod, barrel and their respective mounts should be checked in both the retracted and extended positions.
 - b) Pins should pass freely through both the cylinder and body mounts. Replace worn pins and repair damaged or out-of-round body mounts.
 - c) Improper alignment will result in excessive rod, head gland nut, barrel and/or piston wear.
 - d) Insure rod end bushings are lubricated and moving freely, this will help to prevent side loading.
 - e) DO NOT operate a packer / ejector cylinder with a misaligned packing panel or ejector. If the packer / ejector is bent, damaged, or if the panel slide shoes or guide track assembly are worn out, it will cause excessive side loading to the cylinder.
8. If painting is required, insure that the rod is completely covered and no paint adheres to the rod. Paint on the cylinder rod will enter the seal area and damage the seal.
9. If any welding has to be performed to the cylinder (i.e.- installing a control tab to a mounting end) the welding ground should be attached to the mounting surface of the cylinder. Grounding to the body and welding to the cylinder can cause an arc between the piston and barrel, destroying seals and causing arc damage to sleeve surfaces.

Recommended Cylinder Replacement & Maintenance Practices

10. Check that operating pressures/settings are to the OEM specification.
 - a) Make adjustments with the hydraulic oil at normal operating temperatures.
 - b) DO NOT operate a cylinder at a pressure above factory recommended operating pressures.
 - c) If in doubt, back the setting off, check the pressure, and readjust.
 - d) Cycle the cylinder a number of times to remove any entrapped air.
 - e) Set all functions, flows, speeds and interlocks per OEM recommendations.

C. STORAGE:

1. For best storage life, hydraulic cylinders should be stored in a location that is protected from undue temperature, humidity and moisture extremes (condensation build up within the cylinder will cause oxidation and corrosion damage to sealing surfaces).
2. Insure that all ports are plugged. Do not over tighten.
3. To prevent rusting of chrome surfaces, store cylinders w/ rods and stages fully retracted. Any exposed surfaces should be coated with a film of grease or oil.
4. If rust is present, sand surfaces with a 320 or 400 grit paper around the circumference of the chrome surface. If, after sanding, the surface still shows rust damage, call cylinder OEM for instructions.
5. To prevent the rod seals from becoming dried out, store cylinders in a vertical position with the rod eye down. If horizontal storage is a necessity, rotate the cylinder every few months to allow residual oil to keep the internal components wetted.

D. PRACTICES FOR LONG CYLINDER LIFE:

1. Insure that operators are trained and understand the capabilities and limitations of the vehicle.
2. Conduct proper operation and maintenance practices.
 - a) Replace the hydraulic oil and filter at regular intervals.
 - b) Check the temperature of the hydraulic oil regularly to insure it is maintaining the optimum operating temperature recommended by the manufacturer.
 - c) Lubricate the bushings and grease points regularly. If a bearing wears out and damages the bearing housing, the entire cylinder may require replacement.
3. Protect the cylinder from debris and external damage during operation and cleaning operations.

A cylinder living in refuse will become refuse.

 - a) Keep the area behind the ejector, in and around all cylinders, pins and fittings clear of debris.
 - b) Keep the cylinder rod free from debris when cleaning by covering the cylinder rod or retracting the cylinder fully before cleaning.
 - c) Use plastic tools (i.e. shovels) when removing debris from body. Metal tools will nick and damage the cylinder rods.
 - d) Cover the cylinder rod and case with a fire proof blanket when welding or grinding near the cylinder and exposed rod. If practical, remove cylinder from area under repair.
4. Insure that the cylinder is operating in its natural center-line (NO SIDE LOADING).
 - a) Perform regular inspections and maintenance of all moving components being powered by hydraulic cylinders (i.e. - packer wear shoes, arm torque bearings, etc.).
5. Perform regular inspection to insure the rod, seals, cylinder ports, hoses, and grease/ hydraulic fittings are in good operating condition.
6. When working with or changing cylinders it is important to check the condition of cylinder hydraulic hoses.
 - a) Hoses experience numerous cycles each day in very contaminated areas.
 - b) Hoses should be inspected and replaced as inspection dictates. When in doubt, replace the hose.
7. DO NOT repair damaged or broken cylinder casing or ports.
 - a) If a problem arises the cylinder should not be repaired, but replaced with a new or remanufactured OEM cylinder that meets OEM specifications.
 - b) Welding changes the characteristics of metal on cylinders and may lead to future cylinder failures and may void warranty consideration.
8. A double acting telescopic cylinder should be fully retracted when not in use (i.e. - eject cylinders).
 - a) Severe side loading may occur due to road vibration.
 - b) Cylinders stages may drift due to road vibration. Extending the cylinder before fully retracting may cause mistaging that over pressurizes and damages the cylinder.

Hydraulic Cylinder Troubleshooting Table

	- Something external hitting surface. - Side Loading (improper mounting or operation alignment)** - Fluid Contamination *. - Something external hitting / rubbing surface. - Attaching welding grd. to cyl. or accidentally hitting cyl. w/welder. - Exposing to something corrosive or using an acid base cleaner. - Operating at higher than designed pressures (SEE EXAMPLES). - Obstruction of normal operation. - Improper equipment operation (SEE EXAMPLES). - Not properly cleaning or allowing to operate in refuse. - Defective Material. - Welding problem during mfg. (typically will fail in 1st month) - Improper op./maint. (not properly lubricating pins). - Check compatibility of hydraulic fluid. - Check exposure to external heat. - Check system operating temperature.														
Rod Stage(s)															
Nicks/gouges	X														
Scratches/uneven wear		X	X	X											
Marks from arc welding					X										
Acid damage						X									
Bent		X					X	X	X						
Pitting/flaking chrome						X				X	X				
Bulging a telescopic stage							X		X						
Case Issues															
Dents				X											
Bent		X					X	X	X						
Wear marks		X		X											
Weld cracks/failure		X					X	X	X		X				
Bulging							X		X						
Mounts															
Bearings broken/uneven wear		X					X	X	X			X			
Bent/uneven wear		X					X	X	X						
Weld cracks/failure		X					X	X	X		X				
Improper maintenance (mounting pin seizing due to corrosion - can break weld or mount)												X			
Internal Damage (By-Pass)		X	X				X		X						
Seals															
Soft or gummy													X		
Hard, cracked, or no elasticity													X	X	X
Split or rolled							X		X						

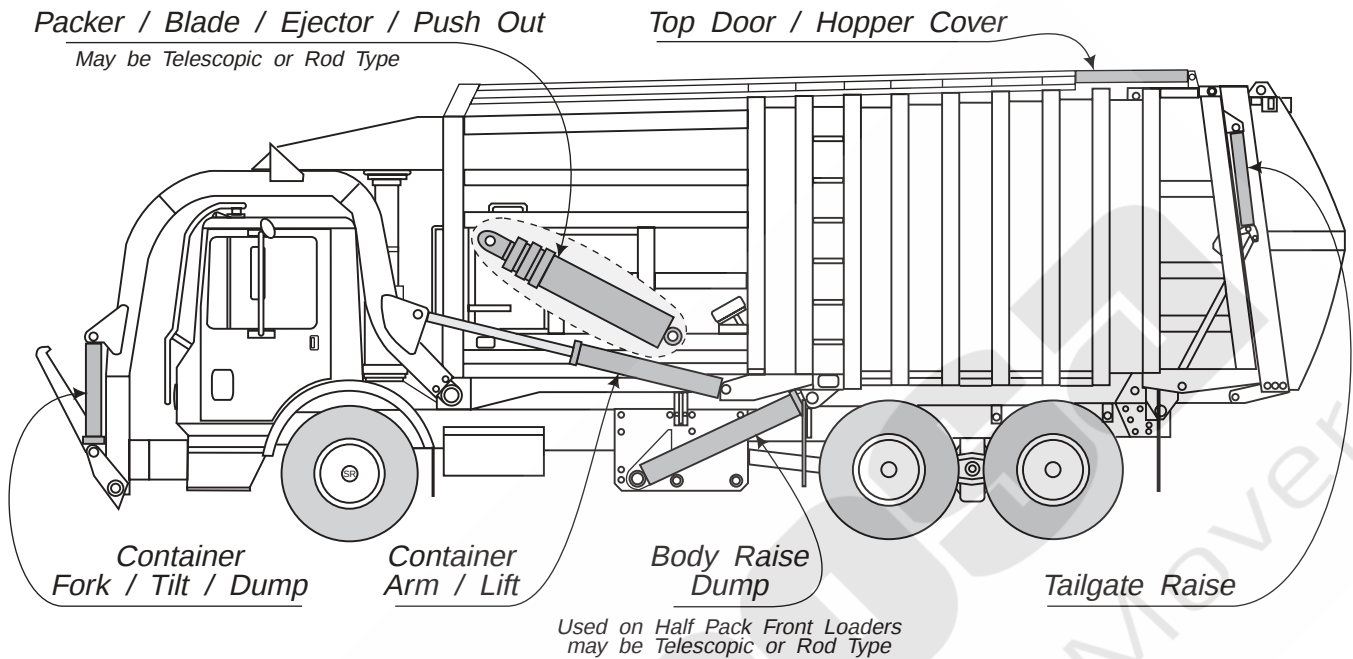
* Factory fluid contamination will typically be found in the first month of service.

** Evidence of unusual wear or rubbing at mounting or along cylinder barrel would be good indication of side loading.

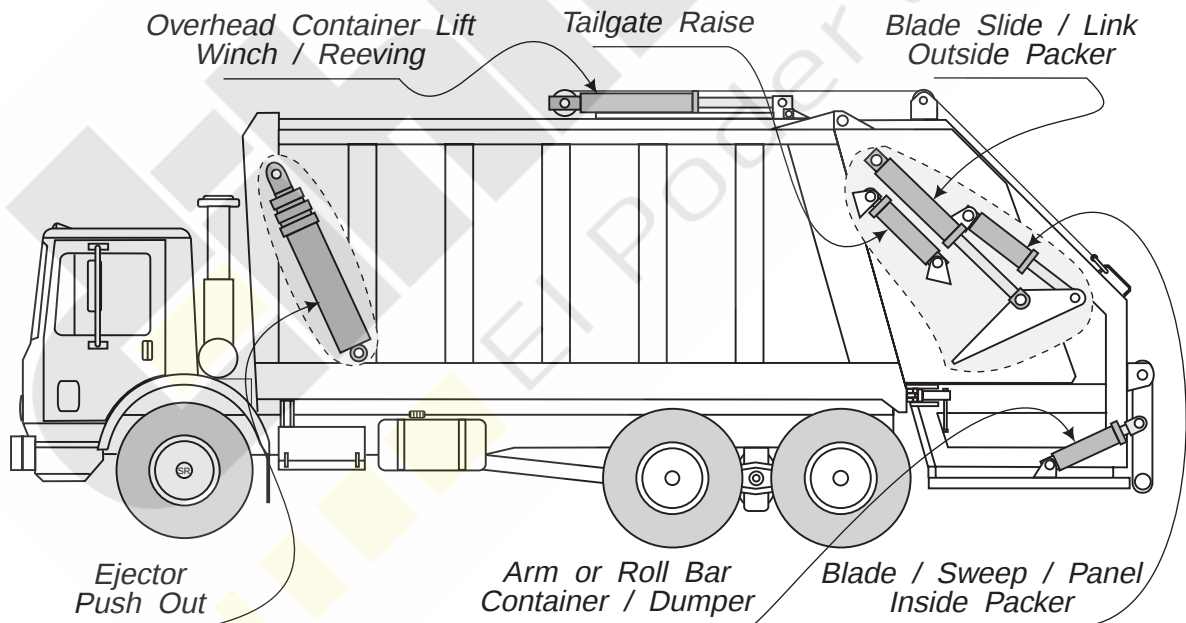
Examples of Situations that Cause Operation at Higher than Designed Pressures:

1. Improper system setting.
2. Faulty system components.
3. Improper system plumbing/design (mainly an obstruction of the fluid exiting the cylinder).
4. Improper equipment operation

Front Loader Refuse Bodies

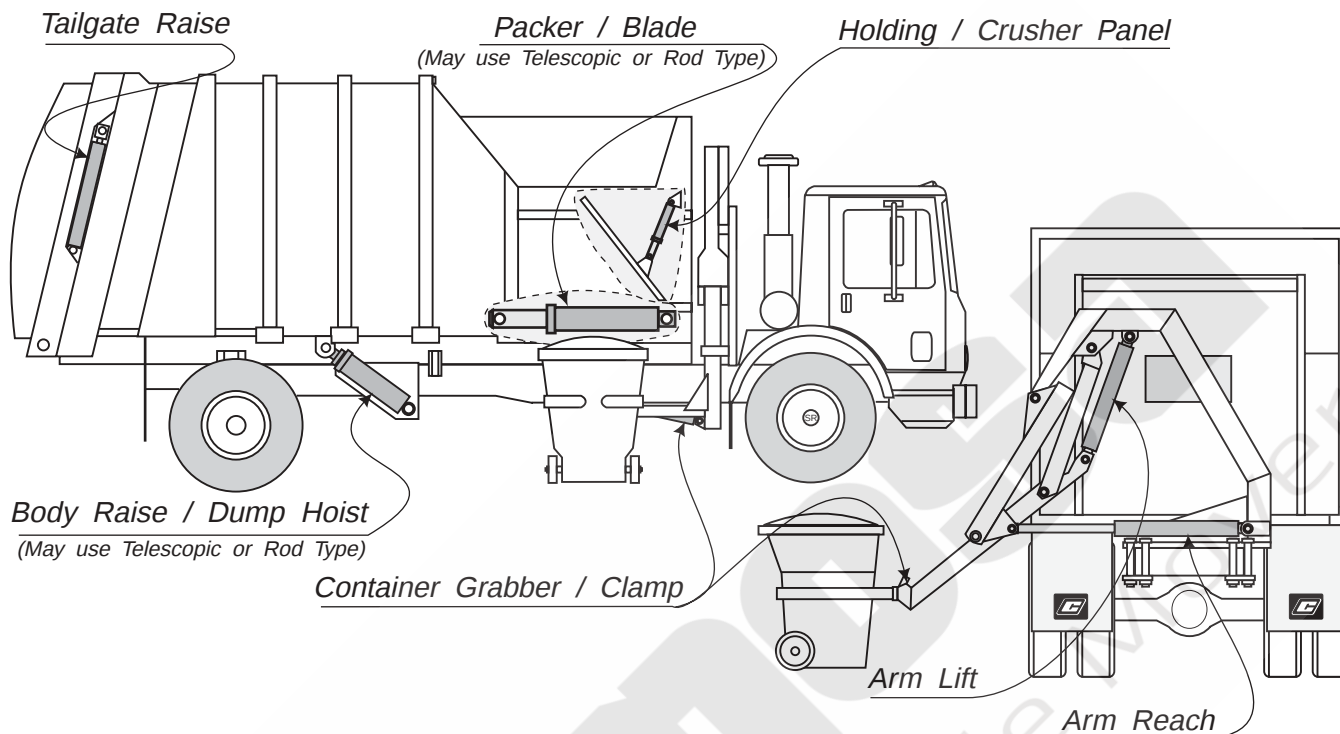


Rear Loader Refuse Bodies

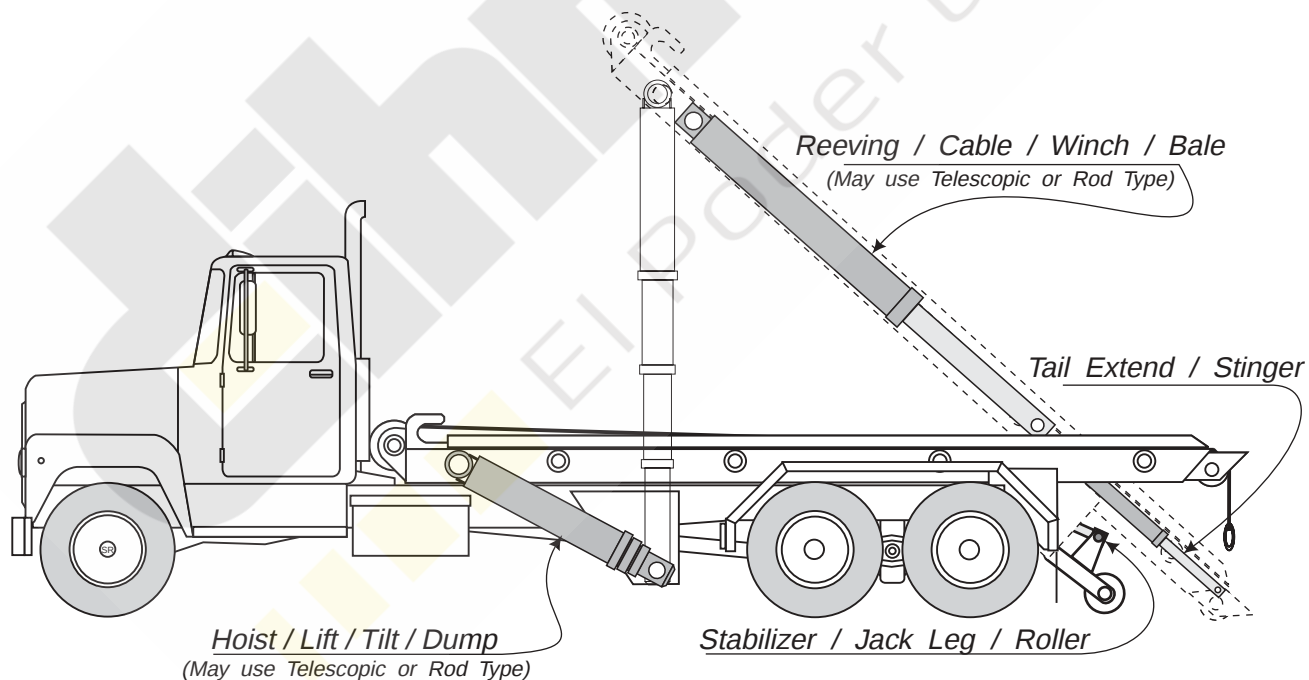


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Side Loader Refuse Bodies

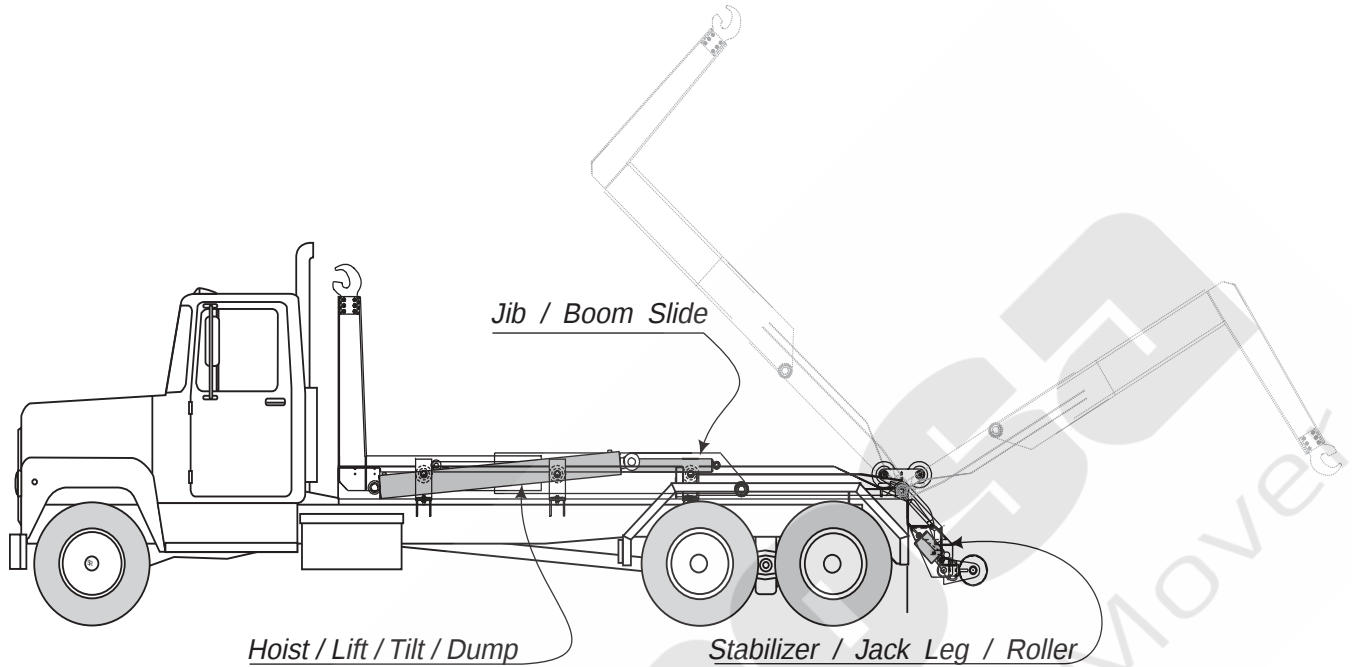


Roll-Off & Tilt Frame Hoists

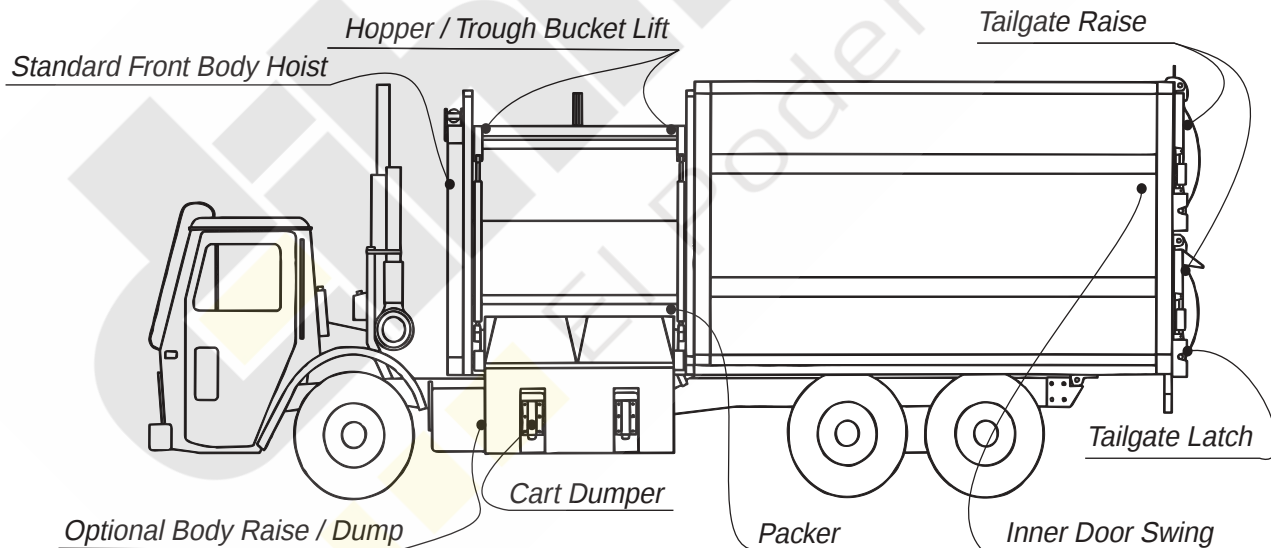


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Hook Lift Roll-Off Hoists

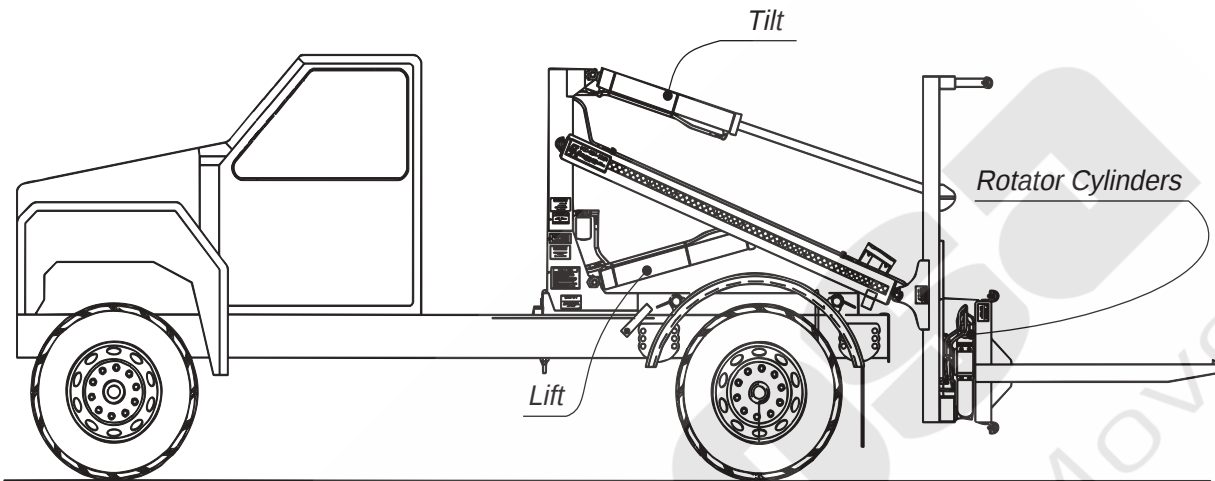


Recycling Body

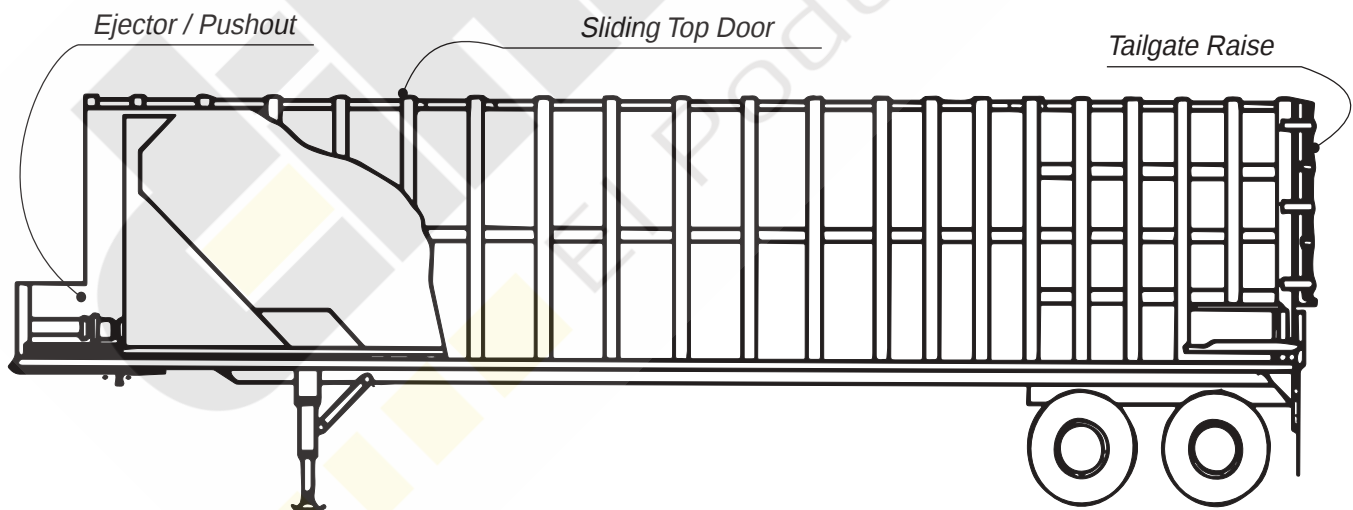


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Container Carrier



Transfer Trailer



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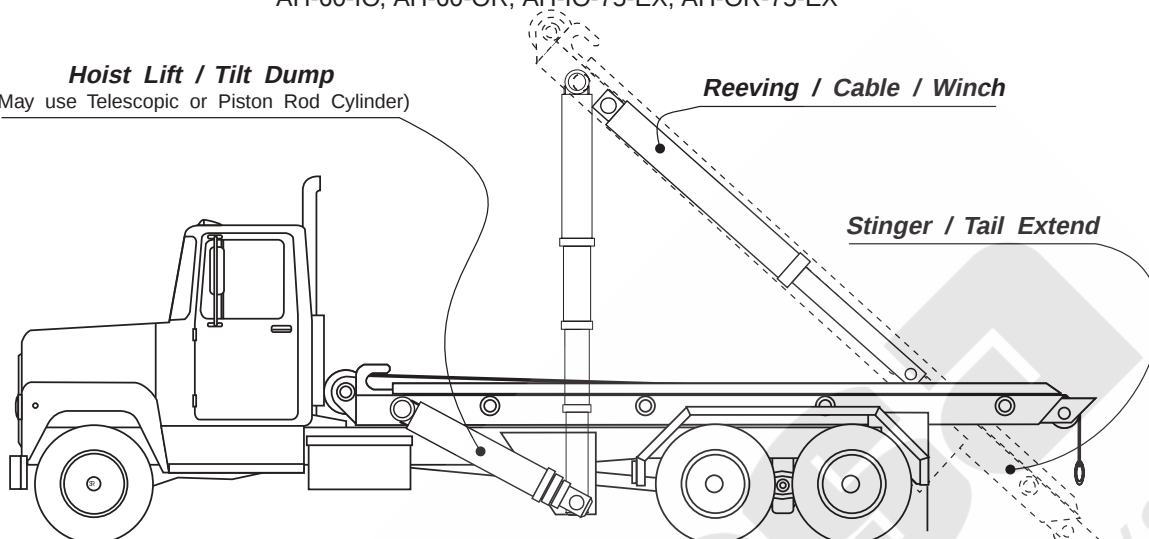
Accurate Industries IO, OR & IR Roll-Off

AH-60-IO, AH-60-OR, AH-IO-75-EX, AH-OR-75-EX

Hoist Lift / Tilt Dump
(May use Telescopic or Piston Rod Cylinder)

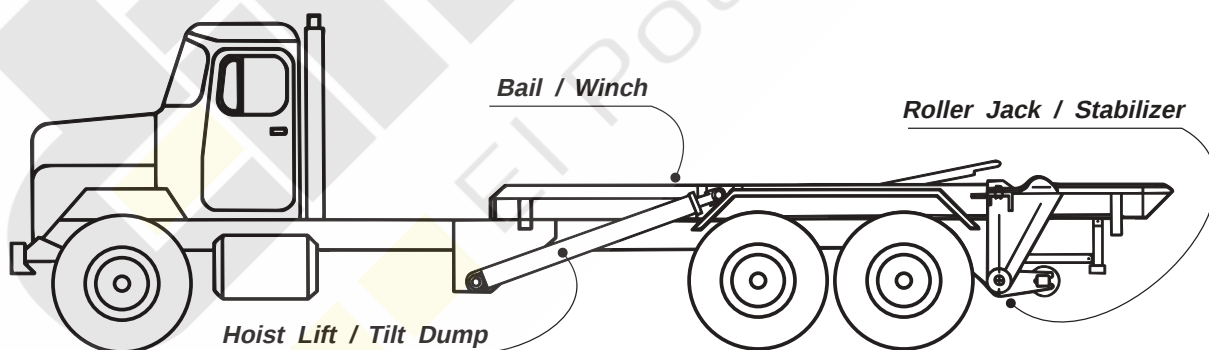
Reeving / Cable / Winch

Stinger / Tail Extend



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Reeving / Cable / Winch; 60,000# OEM Ref P.N.'s; HH-1, HP-HH001	D62LB-5-80	3771421180	6.25	4.75	80.00
Reeving / Cable / Winch; 75,000# OEM Ref P.N.'s; MF-51, HH-2, HP-HH002	D72LB-9-80	3772521122	7.25	4.75	80.00
Hoist Lift / Tilt Dump; 60,000# OEM Ref P.N.'s; HH-1, HP-HH001	D62LB-5-80	3771421180	6.25	4.75	80.00
Hoist Lift / Tilt Dump;; 75,000# OEM Ref P.N.'s; MF-51, HH-2, HP-HH002	D72LB-9-80	3772521122	7.25	4.75	80.00
Hoist Lift / Tilt Dump; Telescopic OEM Ref P.N.'s; HP-HH004, HP-HH011, HP-HH012	SD73DB-5-120	3772533049	Telescopic		120.00
Stinger Tail Extend OEM Ref P.N.'s; HP-HH003	N/A		3.50		80.00

Accurate Industries AH-AB-60 Bail Hook Roll-Off



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Bail / Winch OEM Ref P.N.'s; A-17	D72CC-48-85	3772521066	7.25	3.00	85.00
Hoist Lift / Tilt Dump OEM Ref P.N.'s; A-18	D62CC-36-68	3770921069	6.25	3.00	68.50
Roller Jack / Stabilizer OEM Ref P.N.'s; A-19, HP-HH007	D52CB-31-6	3771521140	5.25	2.50	6.88

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Compactor						
<u>OEM Ref P.N.</u>	<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
	Packer	SD62MC-10-46	3771432039		Telescopic	46.00
Roll-Offs						
<u>OEM Ref P.N.</u>	<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
A-17	Bale	D72CC-48-85	3772521066	7.25	3.00	85.00
A-18	Hoist Lift	D62CC-36-68	3770921069	6.25	3.00	68.50
A-19	Stabilizer Jackleg	D52CB-31-6	3771521140	5.25	2.50	6.88
HP-HH001	Hoist Lift & Cable Reeving	D62LB-5-80	3771421180	6.25	4.75	80.00
HP-HH002	Hoist Lift & Cable Reeving	D72LB-9-80	3772521122	7.25	4.75	80.00
HP-HH004	Hoist Lift	SD73DB-5-120	3772533049		Telescopic	120.00
HP-HH006	Cable Reeving	D72LB-7-115	3772521100	7.25	3.00	115.00
HP-HH007	Stabilizer Jackleg	D52CB-31-6	3771521140	5.25	2.50	6.88
HP-HH008	Hoist Lift & Cable Reeving	D62DB-8-79	3771421105	6.25	4.75	79.25
HP-HH011	Hoist Lift	SD73DB-5-120	3772533049		Telescopic	120.00
HP-HH012	Hoist Lift	SD73DB-5-120	3772533049		Telescopic	120.00
MF-51	Hoist Lift & Cable Reeving	D72LB-9-80	3772521122	7.25	4.75	80.00
MF-51-N	Hoist Lift & Cable Reeving	D62DB-8-79	3771421105	6.25	4.75	79.25
Transfer Station Compactor						
<u>OEM Ref P.N.</u>	<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
	Packer; 1250XHD	D100DB-1-141	3773121024	9.88	7.90	141.00
	Packer	D100DB-1-225	3773121038	9.88	7.90	225.00
	Packer	D120DB-1-250	3776421026	12.00	7.90	250.00
Transfer Trailer						
<u>OEM Ref P.N.</u>	<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
	Ejector / Push Out	SD85DC-2-380	3772935014		Telescopic	360.00
	Ejector / Push Out	SD85DC-2-440	3772935021		Telescopic	440.00
	Ejector / Push Out	SD85DC-2-460	3772935015		Telescopic	460.00

Automated Waste / American Roll-Off

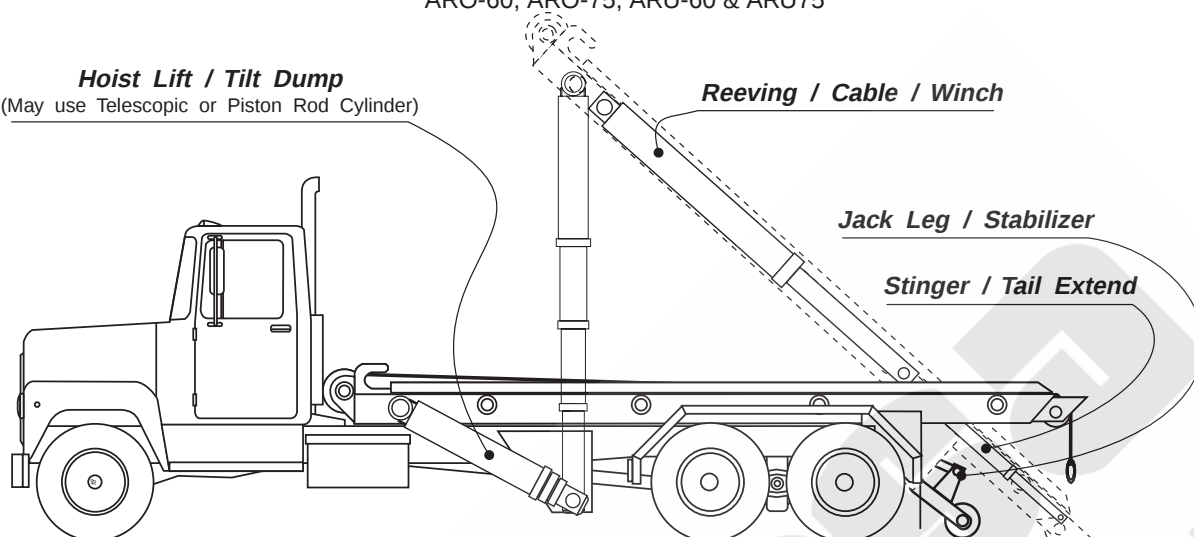
ARO-60, ARO-75, ARU-60 & ARU75

Hoist Lift / Tilt Dump
(May use Telescopic or Piston Rod Cylinder)

Reeving / Cable / Winch

Jack Leg / Stabilizer

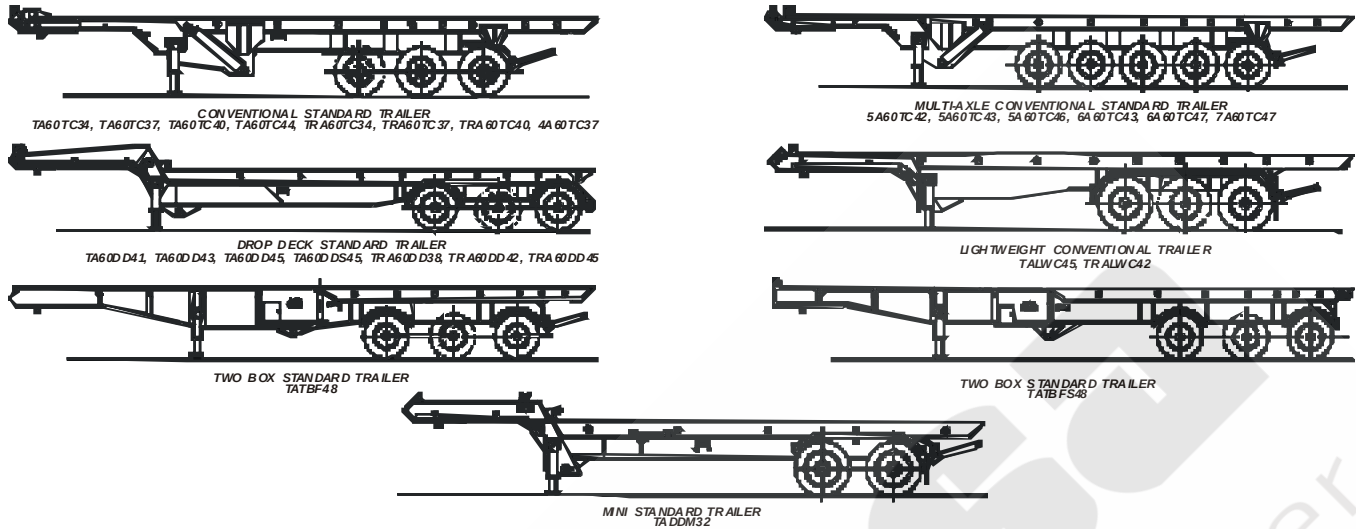
Stinger / Tail Extend



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Reeving / Cable / Winch; 50,000# OEM Ref P.N.'s; B611	D62CB-18-78	3771421098	6.25	4.75	78.00
Reeving / Cable / Winch; 60,000# Pre 92 OEM Ref P.N.'s; 110-450	D62CB-20-80.88	3771421226	6.25	4.75	80.88
Reeving / Cable / Winch; 60,000# 92 & Newer OEM Ref P.N.'s; 110-460	D62CC-58-80.88	3771421227	6.25	4.75	80.88
Reeving / Cable / Winch; 75,000# Pre 92 OEM Ref P.N.'s; 110-500	D72CB-14-83.62	3772521135	7.25	4.75	83.62
Reeving / Cable / Winch; 75,000# 92 & Newer OEM Ref P.N.'s; 110-510	D72CC-53-80.88	3772521134	7.25	4.75	80.88
Hoist Lift / Tilt Dump; 50,000# OEM Ref P.N.'s; B611	D62CB-18-78	3771421098	6.25	4.75	78.00
Hoist Lift / Tilt Dump; 60,000# Pre 92 OEM Ref P.N.'s; 110-450	D62CB-20-80.88	3771421226	6.25	4.75	80.88
Hoist Lift / Tilt Dump; 60,000# 92 & Newer OEM Ref P.N.'s; 110-460	D62CC-58-80.88	3771421227	6.25	4.75	80.88
Hoist Lift / Tilt Dump; 75,000# Pre 92 OEM Ref P.N.'s; 110-500	D72CB-14-83.62	3772521135	7.25	4.75	83.62
Hoist Lift / Tilt Dump; 75,000# 92 & Newer OEM Ref P.N.'s; 110-510	D72CC-53-80.88	3772521134	7.25	4.75	80.88
Hoist Lift / Tilt Dump; Telescopic OEM Ref P.N.'s; 110-100	SD63CC-46-91.75	3771433926	Telescopic		92.00
Hoist Lift / Tilt Dump; Telescopic OEM Ref P.N.'s; 110-200, 110-300, B532C	SD63CC-46-109.75	3771433927	Telescopic		110.00
Stinger / Tail Extend OEM Ref P.N.'s; 110-870	D35LC-1-60	3770621037	3.50	2.00	60.00
Stinger / Tail Extend OEM Ref P.N.'s; 110-800	D35LC-1-80	3770621038	3.50	2.00	80.00
Jack Leg / Stabilizer OEM Ref P.N.'s; 110-600	N/A		5.50	2.00	8.00

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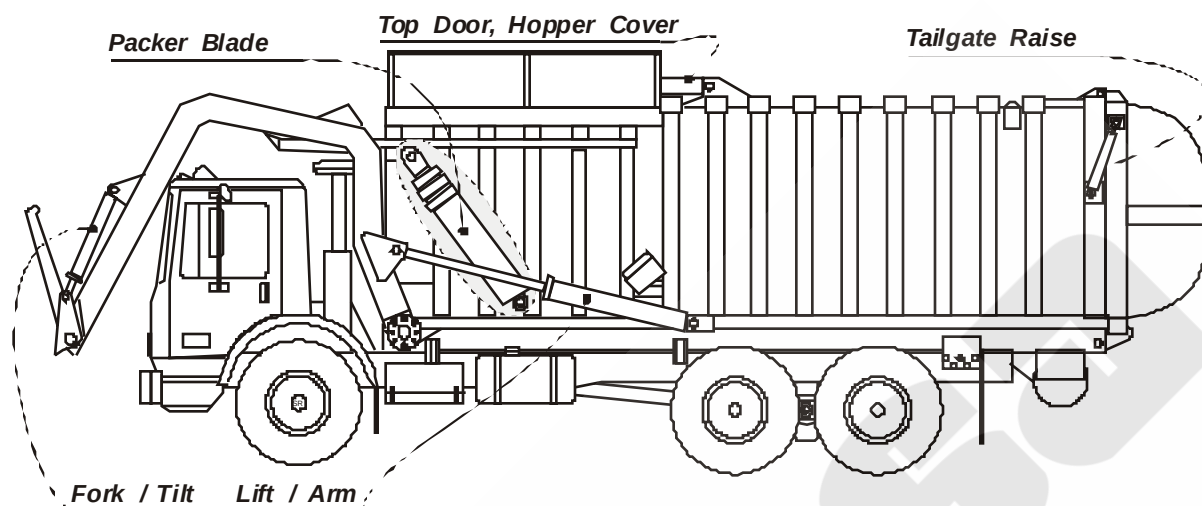
Benlee Roll-Off Trailers



Cylinder Function	Parker Eng#	Parker Number	Bore	Rod	Stroke
Reeving / Cable / Winch OEM Ref P.N.'s;	D60CC-27-78	3771421157	6.00	4.50	78.00
Reeving / Cable / Winch OEM Ref P.N.'s;	D70CC-8-108	3773721018	7.00	5.50	108.00
Reeving / Cable / Winch OEM Ref P.N.'s	D70CC-8-131	3773721012	7.00	5.50	131.00
Reeving / Cable / Winch OEM Ref P.N.'s	D70CC-9-152	3773721014	7.00	5.50	152.00
Reeving / Cable / Winch OEM Ref P.N.'s	D70CC-9-165	3773721015	7.00	5.50	165.00
Reeving / Cable / Winch; Telescopic OEM Ref P.N.'s	SD83CC-29-120	3772833014	Telescopic		120.00
Reeving / Cable / Winch; Telescopic OEM Ref P.N.'s	SD83CC-29-165	3772833013	Telescopic		165.00
Hoist Lift / Tilt Dump; Telescopic OEM Ref P.N.'s	SD63DB-14-120	3771433104	Telescopic		120.00
Hoist Lift / Tilt Dump; Telescopic OEM Ref P.N.'s	SD74DB-6-144	3772534037	Telescopic		144.00
Hoist Lift / Tilt Dump; Telescopic OEM Ref P.N.'s	SD84DD-2-168	3772934039	Telescopic		168.00
Hoist Lift / Tilt Dump; Telescopic OEM Ref P.N.'s	SD85DB-5-220	3773035034	Telescopic		220.00
Hoist Lift / Tilt Dump; Telescopic OEM Ref P.N.'s	SD95DD-1-174	3773135020	Telescopic		174.00
Hoist Lift / Tilt Dump; Telescopic OEM Ref P.N.'s	SD95DD-1-220	3773135019	Telescopic		220.00

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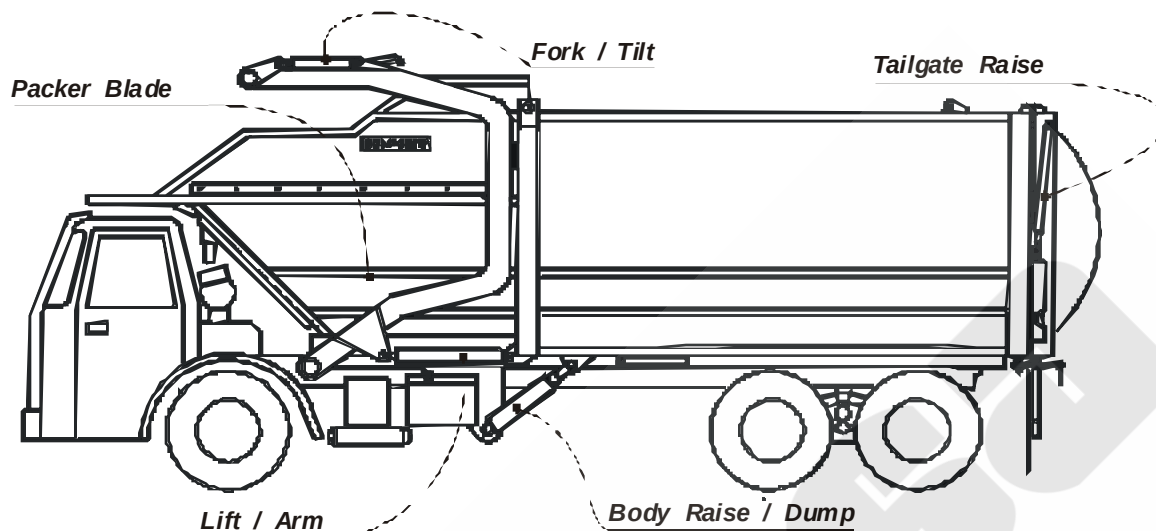
Dempster DP80 & XHD Front Loader



Cylinder Function	Parker Eng#	Parker Number	Bore	Rod	Stroke
Arm / Lift OEM Ref P.N.'s: BB8000, BB8185, BB8374-1, AB19775TH, AB19890TH	D3812	3790003812	5.00	2.50	46.80
Arm / Lift, XHDII OEM Ref P.N.'s: AB28802	N/A		5.00	2.50	46.88
Fork / Tilt OEM Ref P.N.'s: BB8004, BB8169, BB8748-1, AB19869TH	D40CD-10-24	3776821072	4.00	2.00	24.00
Top Door, Hinged OEM Ref P.N.'s: BB8010, BB8379-1, AB19774TH, AB19868TH	D40CE-3-24	3776821073	4.00	2.00	24.00
Top Door, Sliding OEM Ref P.N.'s: DB8238	N/A	N/A			
Tailgate Raise OEM Ref P.N.'s: AB12225, AB12265, AB12308, AB13978	D25LL-12-16	3772621129	2.50	1.50	16.00
Tailgate Raise, with E Z Locks OEM Ref P.N.'s: AB28819	N/A		3.00	1.75	37.50
Packer Blade, DP80-25 & 28 YD OEM Ref P.N.'s: CB8245, DB1746, DB1747, DB4752	SD85CC-20-156	3773035033	Telescopic		156.00
Packer Blade, DP80-31, 34, 38 & 41 YD OEM Ref P.N.'s: CB4753, CB7599, CB8217, DB1748, DB4753, DB5801, AB15905	SD96CC-3-199	3773136009	Telescopic		198.00
Packer Blade, XHD-33 & 38 Yd OEM Ref P.N.'s: DB8045, AB19473	SD94CC-9-190	3773134006	Telescopic		190.00

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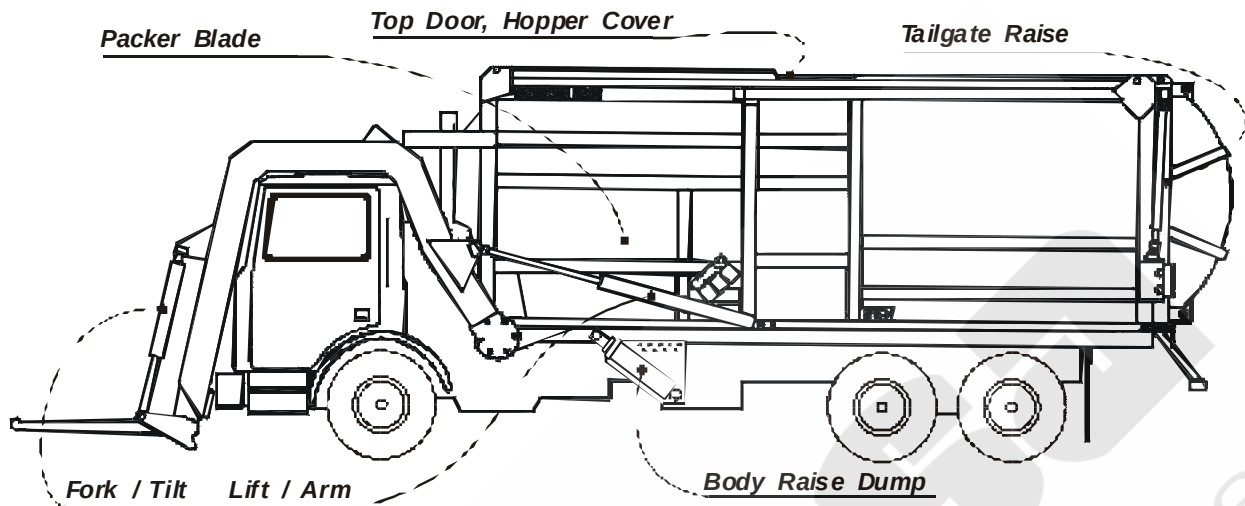
Dempster RFL Residential Front Loader



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Arm / Lift OEM Ref P.N.'s; AB29405, CB11061	D40 CC-25-32	3776821088	4.00	2.50	32.00
Fork / Tilt OEM Ref P.N.'s; DB8142, AB29406	D35 CD-10-20	3773821065	3.50	1.50	20.00
Tailgate Raise OEM Ref P.N.'s; DB8362, AB29246	D25 LL-16-24	3772621136	2.50	1.50	24.00
Packer Blade OEM Ref P.N.'s; CB11062	D45 CC-17-45	3774121039	4.50	3.00	45.00
Body Raise / Dump	N/A		Telescopic		

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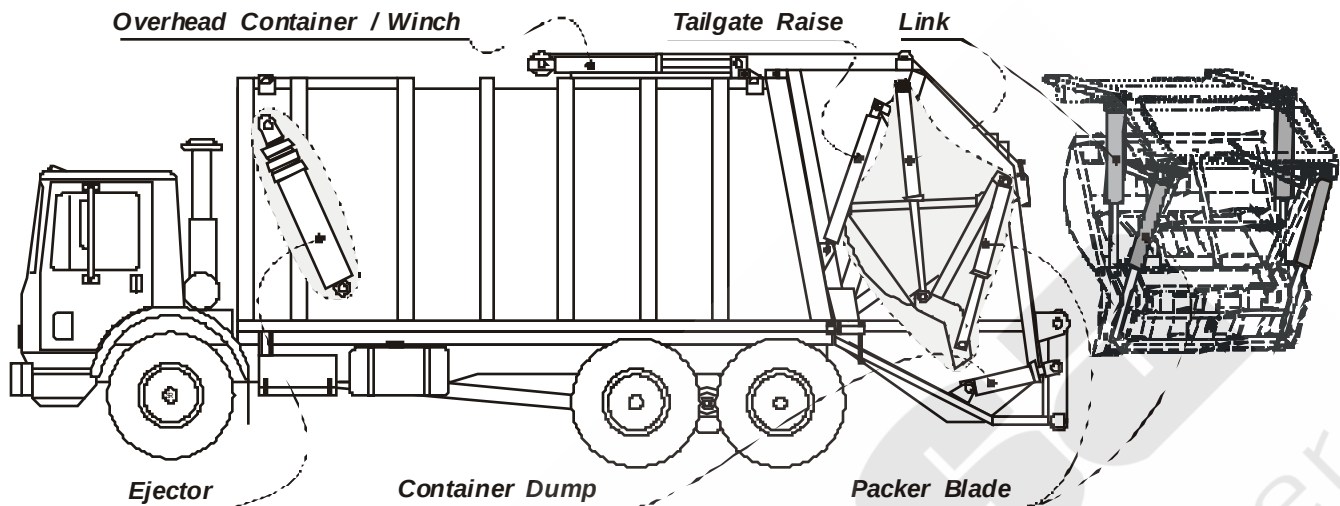
Dempster DM2 Front Loader



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Arm / Lift OEM Ref P.N.'s; DB8752, AB29244	N/A		5.00	2.50	46.88
Fork / Tilt OEM Ref P.N.'s; DB8651, AB29247	N/A		4.00	2.00	24.00
Fork / Tilt, with XHD Arms OEM Ref P.N.'s; AB19869TH	D40CD-10-24	37 76821072	4.00	2.00	24.00
Top Door, Hinged OEM Ref P.N.'s; AB19774TH	D40CE-3-24	37 76821073	4.00	2.00	24.00
Top Door, Sliding OEM Ref P.N.'s; AB28801	N/A	N/A	2.50	1.50	97.50
Tailgate Raise OEM Ref P.N.'s; AB28819	N/A		3.00	1.75	37.50
Packer Blade, Full Eject OEM Ref P.N.'s; DB9361, AB28805	SD63CD-1-177	37 71433061	Telescopic		177.63
Packer Blade, Dump Type OEM Ref P.N.'s; AB28803, AB28973	N/A		6.00	4.50	71.50
Body Raise / Dump OEM Ref P.N.'s; AB29336	N/A		Telescopic		
Body Raise / Dump OEM Ref P.N.'s; DB8186	N/A		Telescopic		96.75

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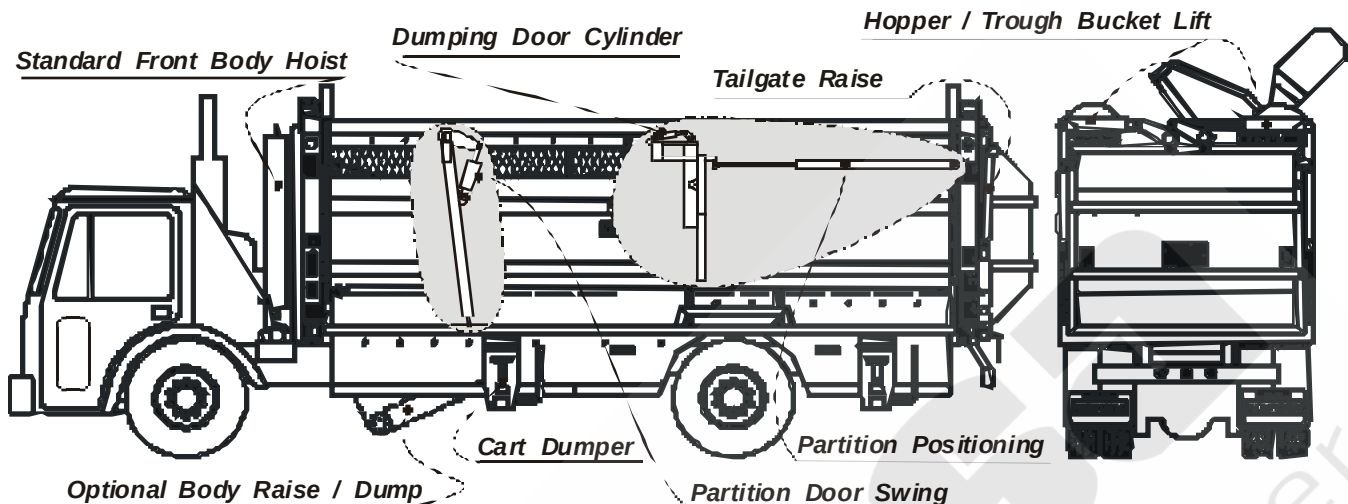
Dempster Routeking II Rear Loader



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Link / Blade OEM Ref P.N.'s: AB19600TH, AB26635TH, BB6997, BB8112, BB8133-1, DB8043	C3810	3790003810	6.00	2.50	34.00
Blade / Sweep OEM Ref P.N.'s: AB19601TH, BB6996, BB8134-1, BB8235, DB8042	D50CB-8-270	3777921058	5.00	3.00	27.00
Tailgate Raise, Old Style OEM Ref P.N.'s: AB19602TH, BB6888, BB8281-1	D35CC-18-36.88	3773821055	3.50	2.50	37.00
Tailgate Raise, New Style OEM Ref P.N.'s: DB8044	S35CC-4-37	3776815004	3.50	2.50	37.00
Overhead Container Winch Reeving OEM Ref P.N.'s: BB8206	D60CB-6-56.50	3771421236	6.00	3.00	56.50
Ejector Push Out, 16Yd OEM Ref P.N.'s: BB6201, CB7772	SD63CC-11-73	3771433025	Telescopic		73.00
Ejector Push Out, 20Yd OEM Ref P.N.'s: AB17924, BB6087, BB6199, Cb7770	SD63CC-11-96	3771433044	Telescopic		96.00
Ejector Push Out, 25Yd OEM Ref P.N.'s: AB17564, BB6089, Bb6200, CB7771, DB9350	SD74CC-11-131	3772534032	Telescopic		131.50
Ejector Push Out, 32Yd OEM Ref P.N.'s: Ab19553, Bb9042,	SD86CC-2-177	3772936004	Telescopic		177.00

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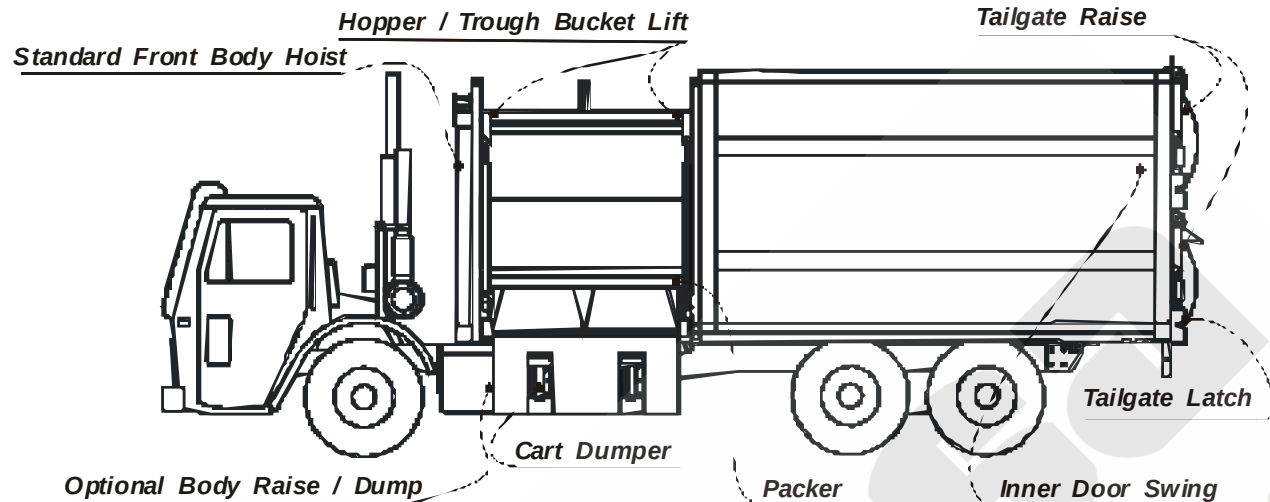
Dempster Recycle-One Recycling Body
RCY ONE and RCY ONE-SYSTEM PLUS



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Hopper / Trough Bucket Lift, Loading OEM Ref P.N.'s; DB8286	D40DD-16-22.50	3776821069	4.00	2.00	22.50
Partition Positioning, System Plus OEM Ref P.N.'s; AB29967	N/A				
Partition Door Swing, System Plus OEM Ref P.N.'s; AB29908	N/A		Hydraulic		
Partition Door Lock, System Plus OEM Ref P.N.'s; AB27369	N/A		Air Cylinder		
Partition Door Swing OEM Ref P.N.'s; DB8272	N/A		Air Cylinder		
Tailgate Raise, with Barrel Locks OEM Ref P.N.'s; AB12225, AB12265, AB12308, AB13978, AB29253	D25LL-12-16	3772621129	2.50	1.50	16.00
Tailgate Raise, with EZ-Locks OEM Ref P.N.'s; DB8362, AB29246	D25LL-16-24	3772621136	2.50	1.50	24.00
Cart Dumper OEM Ref P.N.'s; AA42109	N/A		Air Cylinder		
Cart Dumper, Cascade Carts OEM Ref P.N.'s; AB16141	N/A		Air Cylinder		
Cart Dumper, Waste Management OEM Ref P.N.'s; AB29003	N/A		Air Cylinder		
Body Raise / Dump, Front Mount OEM Ref P.N.'s; AB29334, DB8273, DB8318	S63MB-14-163.12	3771413254	Telescopic		163.12
Body Raise / Dump, Optional Underbody OEM Ref P.N.'s; DB8186	N/A		Telescopic		96.75

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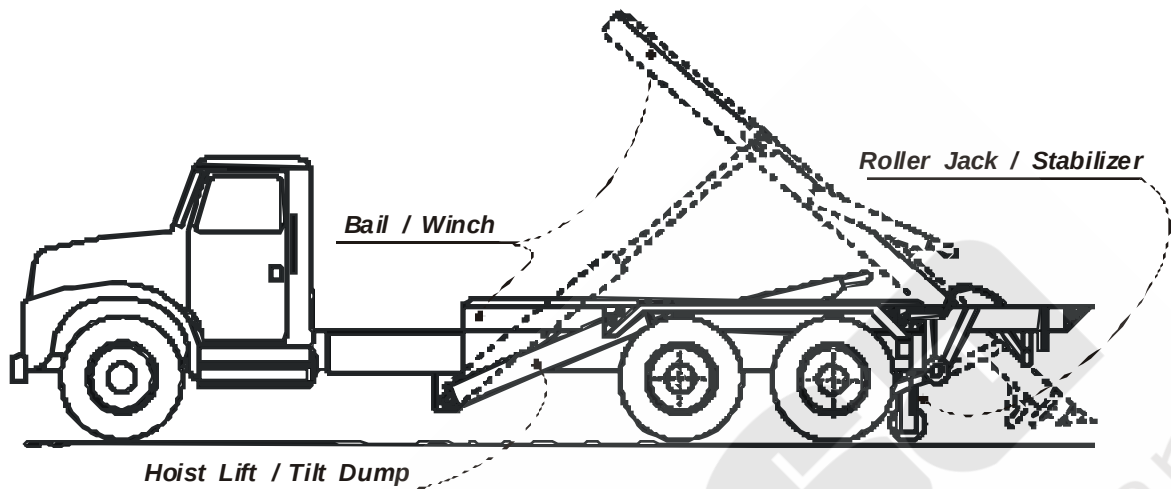
Dempster Recycle-Pac, Recycling Body
RCYC-I, RCYC-II and RCYC-III



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Hopper / Trough Bucket Lift, RCYC-I, II & III OEM Ref P.N.'s; DB8439, DB9467, AB29337	D40DD-19-22.50	3776821080	4.00	2.00	22.50
Packer, RCYC-I, II & III OEM Ref P.N.'s; DB8491, AB29264	D40DD-17-42	3776821070	4.00	2.50	42.00
Tailgate Raise, RCYC-I Barrel Locks OEM Ref P.N.'s; AB12225, AB12265, AB12308, AB13978, AB29253	D25LL-12-16	3772621129	2.50	1.50	16.00
Tailgate Raise, RCYC-I OEM Ref P.N.'s; DB8362, AB29246	D25LL-16-24	3772621136	2.50	1.50	24.00
Tailgate Inner Door Swing, RCYC-I OEM Ref P.N.'s; DB8272	N/A		Air Cylinder		
Tailgate Raise, RCYC-I EZ Locks OEM Ref P.N.'s; DB8362, AB29246	D25LL-16-24	3772621136	2.50	1.50	24.00
Tailgate Raise, RCYC-II & III EZ Locks OEM Ref P.N.'s; AB12225, AB12265, AB12308, AB13978, AB29253	D25LL-12-16	3772621129	2.50	1.50	16.00
Tailgate Latch, RCYC-II OEM Ref P.N.'s; AB29305	N/A	Air Cylinder	3.00	0.75	4.00
Body Raise / Dump, Front Mount, RCYC-I & II OEM Ref P.N.'s; DB8273, DB8318, AB29334	S63MB-14-163.12	3771413254	Telescopic		163.12
Body Raise / Dump, Underbody, RCYC-I, II & III OEM Ref P.N.'s; DB8809, DB9135, AB29335	S52DC-7-88	3771512060	Telescopic		97.88
Cart Dumper OEM Ref P.N.'s; AB16141	N/A		Air Cylinder		
Cart Dumper OEM Ref P.N.'s; AB29003	N/A		Air Cylinder		

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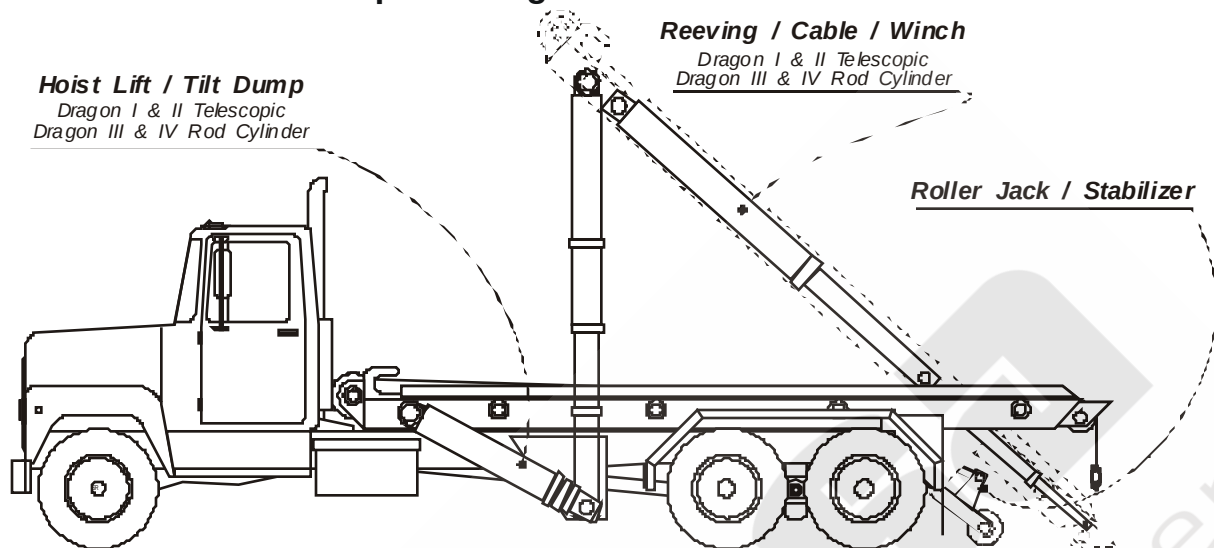
Dempster Dinosaur "Dino" Bail Hook Roll-Off



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Bail / Winch; 40,000# OEM Ref P.N.'s; BB8218, BB8219, CB3603, DB7693	B4964	3790004964	6.00	3.00	84.75
Bail / Winch; 50,000# OEM Ref P.N.'s; CB0796, CB6397, DB7695	D70CC-14-85	3773721112	7.00	3.00	85.00
Hoist Lift / Tilt Dump; 40,000# OEM Ref P.N.'s; CB3717, DB8052	B4807	3790004807	5.00	3.00	72.50
Hoist Lift / Tilt Dump; 50,000# OEM Ref P.N.'s; BB8212, BB8779, CB1757, DB8008	D60CC-41-68.50	3771421238	6.00	3.00	68.50
Roller Jack / Stabilizer OEM Ref P.N.'s; BB8181, DB7699	D52CB-31-6	3771521140	5.25	2.50	6.88

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Dempster Dragon Cable Roll-Off

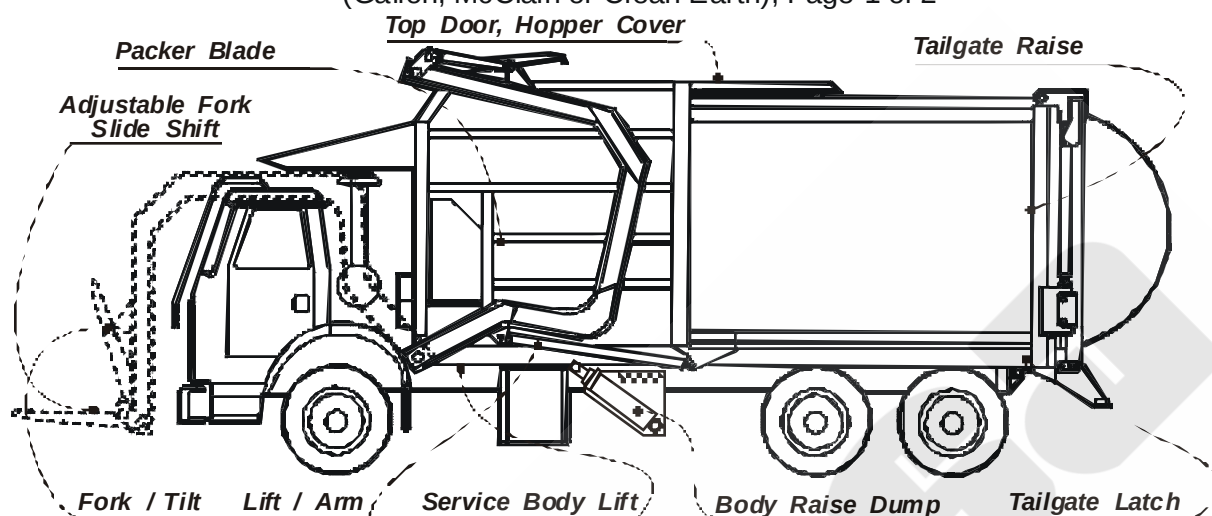


Cylinder Function	Parker Eng#	Parker Number	Bore	Rod	Stroke
Reeving / Cable / Winch; Dragon I & II OEM Ref P.N.'s; CB7478, CB7661, CB7877, CB7947	SD72AC-1-156	3772532018	Telescopic		156.00
Reeving / Cable / Winch; Dragon III & IV OEM Ref P.N.'s; DB7694, BB9290, AB19461	D3838	3790003838	6.00	3.00	76.00
Hoist Lift / Tilt Dump; Dragon I & II OEM Ref P.N.'s; CB7015, CB7781	SD53CC-16-111	3771533038	Telescopic		111.00
Hoist Lift / Tilt Dump; Dragon III & IV OEM Ref P.N.'s; DB7694, BB9290, AB19461	D3838	3790003838	6.00	3.00	76.00
Roller Jack / Stabilizer; Dragon I&II OEM Ref P.N.'s; AB19462, AB19467	N/A		6.00	3.00	7.75

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E-Z Pack FL80, FLOO80 Hercules Front Loader

(Galion, McClain or Clean Earth), Page 1 of 2

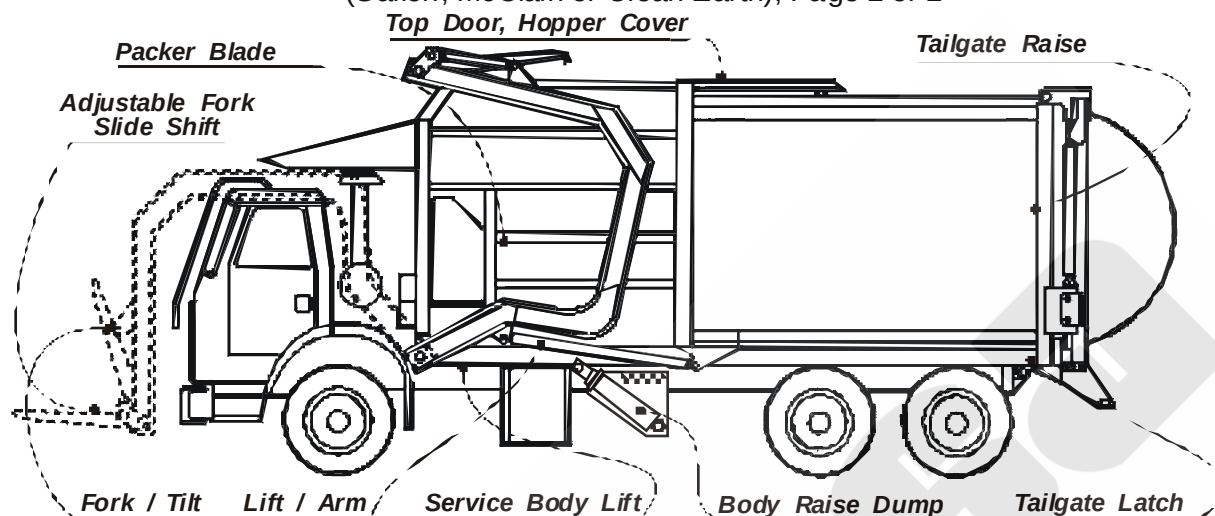


Cylinder Function	Parker Eng#	Parker Number	Bore	Rod	Stroke
Arm / Lift 1.50" Pins OEM Ref P.N.'s: 20-46119 4549DA, 20-46163 D4549ADA, 20-46171 D4549BDA, 20-49273 D4549EDA, 20-52344 K4549LDA	D45CD-3-49.12	3774121013	4.50	2.00	49.13
Arm / Lift 2.00" Pins OEM Ref P.N.'s: 21-05358 K4549MDA, 21-15641 C4549NDA	D45CD-2-49.12	3774121012	4.50	2.00	49.13
Fork / Tilt OEM Ref P.N.'s: 20-46012 3516BDA, 20-46142 D3516CDA, 20-49952 D3516JDA, 20-49999 D3516KDA, 20-52345 K3516LDA	D35LD-2-16.5	3774021003	3.50	1.75	16.50
Fork / Tilt OEM Ref P.N.'s: 20-47868 D3523DA, 20-49272 D3523BDA, 20-52346 K3523FDA	D35LD-3-23.25	3774021004	3.50	1.75	23.50
Fork / Tilt OEM Ref P.N.'s: 20-48524 D4016DA, 20-52356 K4016FDA	D40LD-2-16.5	3776821020	4.00	2.00	16.50
Fork / Tilt OEM Ref P.N.'s: 21-09213 K4022BDA, 21-15775 C4022CDA	D40LD-4-21.75	3776821041	4.00	2.00	21.75
Fork / Tilt, #8 SAE O-Ring Ports OEM Ref P.N.'s: 21-03153 K4025JDA	D40LD-3-24.75	3776821027	4.00	2.00	24.75
Fork / Tilt, #16 SAE O-Ring Ports OEM Ref P.N.'s: 21-09228 K4025KDA, 21-15642 C4025RDA	D40LD-5-24.75	3776821042	4.00	2.00	24.75
Fork / Tilt, 2 POSITION OEM Ref P.N.'s: 21-10044 K4025LDA, 21-14679 C4025PDA	D40LD-6-24.75	3776821044	4.00	2.00	24.75
Top Door, Sliding 34 YD OEM Ref P.N.'s: 20-46008 2563ADA, 20-46141 D2563BDA, 20-52362 K2563EDA	D25DD-3-63	3772621095	2.50	1.75	63.00
Top Door, Sliding 40 YD OEM Ref P.N.'s: 20-48520 D3089DA, 20-52348 K3089ADA, 21-15646 C3089BDA	D30DD-4-89	3770521049	3.00	2.00	63.00
Top Door, Hinged OEM Ref P.N.'s: 20-46155 D4021JDA, 20-52357 K4021NDA	D40DD-10-21.62	3776821019	4.00	2.50	21.63
Tailgate Raise OEM Ref P.N.'s: 20-47048 D3033ADA, 20-52347 K3033DDA, 21-15644 C3033EDA	D30LD-2-33.38	3770521048	3.00	1.75	33.38
Tailgate Raise OEM Ref P.N.'s: 2534DAA 20-41382, 20-46157 D2534CDA	N/A	N/A	2.50	1.75	34.00

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E-Z Pack FL80, FLOO80 Hercules Front Loader

(Galion, McClain or Clean Earth), Page 2 of 2

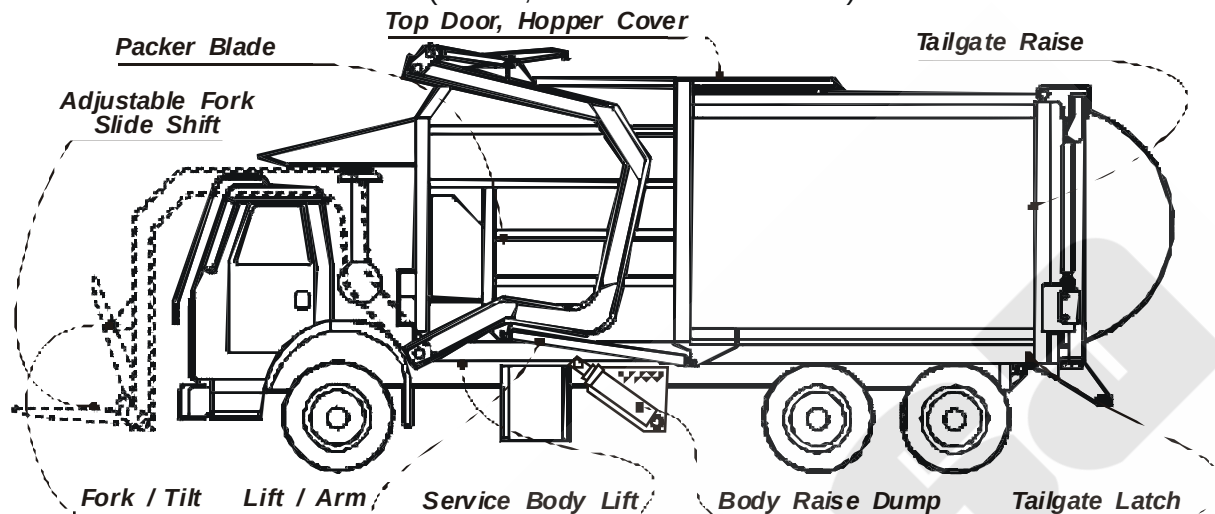


Cylinder Function	Parker Eng#	Parker Number	Bore	Rod	Stroke
Packer Blade, 34 Yd Full Eject OEM Ref P.N.'s; 21-04536 K63133DDA, 21-15773 C63133EDA, 70-1601 D63133DA, 70-1627 C63133ADA, 70-1731 K63133CDA	SD63CB-12-132	3771433902	Telescopic		132.75
Packer Blade, 40 Yd Full Eject OEM Ref P.N.'s; 21-04537 K63167FDA, 21-15770 C63167HDA, 70-1592 D63167DA, 70-1619 C63167BDA, 70-1730 K63167DDA	SD63CB-12-167	3771433901	Telescopic		167.00
Packer Blade, 45 Yd Full Eject OEM Ref P.N.'s; 21-01987 K63198ADA, 21-04538 K63198BDA, 21-15772 C63198DDA	SD63CB-12-197	3771433903	Telescopic		197.00
Packer Blade, 40 Yd Full Eject Spherical Bearings OEM Ref P.N.'s; 21-06096 K63167GDA, 21-15771 C63167JDA	SD63CB-13-167	3771433096	Telescopic		167.00
Packer Blade, 45 Yd Full Eject Spherical Bearings OEM Ref P.N.'s; 21-06097 K63198CDA	SD63CB-13-197	3771433103	Telescopic		197.00
Packer Blade, Gravity Dump OEM Ref P.N.'s; 20-45450 D6067DA, 20-46139 D6067ADA, 20-49142 D6067BDA, 20-49480 D6067EDA, 20-52349 K6067GDA, 21-07940 K6067HDA, 21-12474 K6067JDA	D60DB-16-67.5	3771421181	6.00	5.00	67.50
Body Raise, Gravity Dump OEM Ref P.N.'s; 21-01493 K5365B, 70-1670 C5365K	S53DC-18-64.75	3771513098	Telescopic		64.75
Body Raise / Gravity Dump OEM Ref P.N.'s; 70-1259 5381B, 70-1487 D5381G, 70-1653 C5381K, 70-1732 K5381N	S53DC-16-80.75	3771513094	Telescopic		80.75
Service Body Lift OEM Ref P.N.'s; 20-04001 3024CDA	N/A	N/A			
Cab Shield OEM Ref P.N.'s; 20-46167 D1510, 20-45588	N/A	N/A	1.50	1.00	10.00

GROSS WEIGHT AND APPLICATION DATA IS FOR REFERENCE ONLY.
NO OTHER CONDITIONS ARE EXPRESSED OR IMPLIED.

E-Z Pack FL10, FLOO10 Hercules Front Loader

(Galion, McClain or Clean Earth)

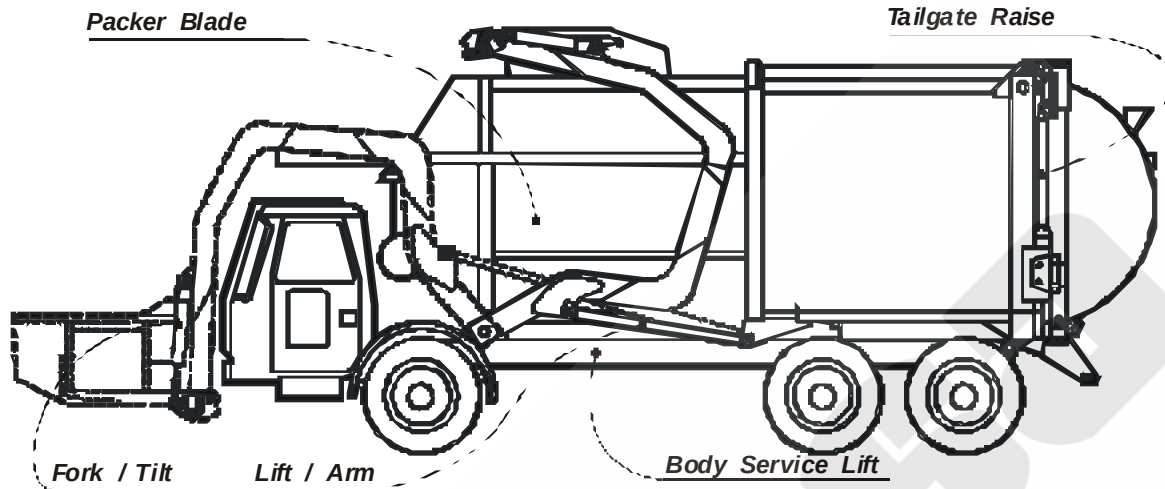


<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Arm / Lift, 10,000# Lift OEM Ref P.N.'s: 20-48519 D5549DA, 20-52355 K5549ADA 21-12851 K5549BDA, 21-15639 C5549CDA	D55CC-3-49.13	3771921032	4.50	3.00	49.13
Fork / Tilt, 10,000# Lift OEM Ref P.N.'s: 21-03390 K4525DA, 21-09229 K4525ADA 21-15640 C4525BDA	D45LD-6-24	3774121017	4.50	2.00	24.75
Fork / Tilt, 10,000# Lift OEM Ref P.N.'s: 21-09214 K4522KDA, 21-15774 C4522LOA	D45LD-5-21.75	3774121016	4.50	2.00	21.75
Top Door, Sliding 30 & 34 YD OEM Ref P.N.'s: 20-46008 2563ADA, 20-46141 D2563BDA, 20-52362 K2563EDA	D25DD-3-63	3772621095	2.50	1.75	63.00
Top Door, Sliding 40 & 45 YD OEM Ref P.N.'s: 20-48520 D3089DA, 20-52348 K3089ADA 21-15646 C3089BDA	D30DD-4-89	3770521049	3.00	2.00	63.00
Tailgate Raise OEM Ref P.N.'s: 20-47048 D3033ADA, 20-52347 K3033DDA, 21-15644 C3033EDA	D30LD-2-33.38	3770521048	3.00	1.75	33.38
Packer Blade, 34 Yd Full Eject OEM Ref P.N.'s: 21-04536 K63133DDA, 21-15773 C63133EDA, 70-1601 D63133DA, 70-1627 C63133ADA, 70-1731 K63133CDA	SD63CB-12-132	3771433902	Telescopic		132.75
Packer Blade, 40 Yd Full Eject OEM Ref P.N.'s: 21-04537 K63167FDA, 21-15770 C63167HDA, 70-1592 D63167DA, 70-1619 C63167BDA, 70-1730 K63167DDA	SD63CB-12-167	3771433901	Telescopic		167.00
Packer Blade, 45 Yd Full Eject OEM Ref P.N.'s: 21-01987 K63198ADA, 21-04538 K63198BDA, 21-15772 C63198DDA	SD63CB-12-197	3771433903	Telescopic		197.00
Packer Blade, 40 Yd Full Eject Spherical Bearings OEM Ref P.N.'s: 21-06096 K63167GDA, 21-15771 C63167JDA	SD63CB-13-167	3771433096	Telescopic		167.00
Packer Blade, 45 Yd Full Eject Spherical Bearings OEM Ref P.N.'s: 21-06097 K63198CDA	SD63CB-13-197	3771433103	Telescopic		197.00

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E-Z Pack FLFR Residential Front Loader

(Galion, McClain or Clean Earth)

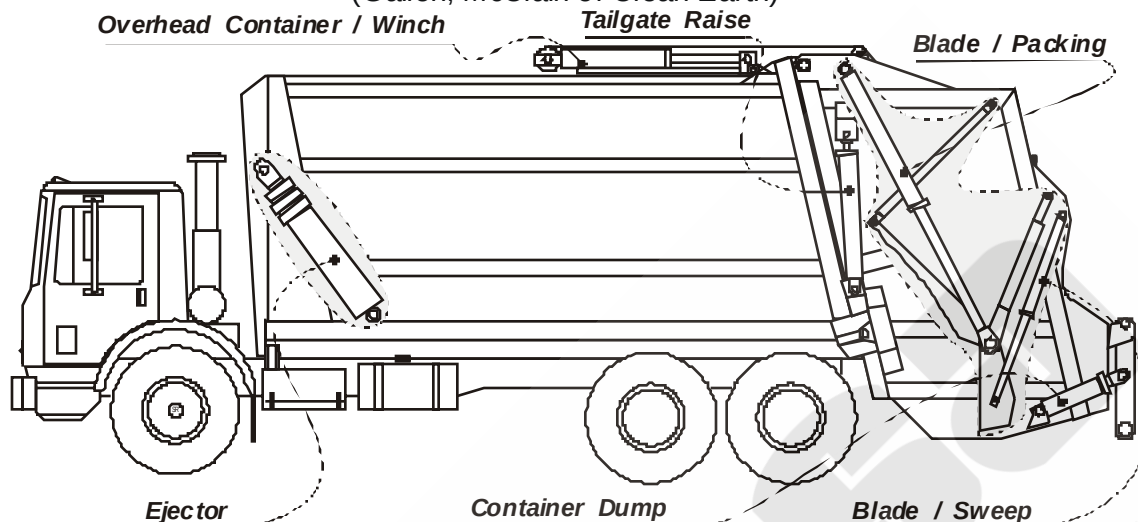


<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Arm / Lift; 6000# OEM Ref P.N.'s; 21-03855 K3551ADA 21-15643 C3551BDA	D35CD-7-51.31	37 74021009	3.50	2.00	51.31
Arm / Lift; 8000# OEM Ref P.N.'s; 21-06343 K4551CDA 21-15645 C4551EDA	D45CD-2-51.31	37 74121014	4.50	2.00	51.31
Fork / Tilt; 6000# OEM Ref P.N.'s; 21-07434 K3025CDA	D30LD-4-24	37 70521071	3.00	1.75	24.75
Fork / Tilt; 8000# OEM Ref P.N.'s; 21-09228 K4025KDA, 21-15642 C4025RDA	D40LD-5-24.75	37 76821042	4.00	2.00	24.75
Tailgate Raise OEM Ref P.N.'s; 20-47048 D3033ADA, 20-52347 K3033DDA, 21-15644 C3033EDA	D30LD-2-33.38	37 70521048	3.00	1.75	33.38
Packer Blade, 2.00" Dia. Pin x 3.00" Wide Lug OEM Ref P.N.'s; 21-11441 K52133ADA 21-15777 C52133BDA	SD52CB-10-132.19	37 71532073	Telescopic		132.19
Packer Blade, 1.985" Dia. Pin x 2.00" Wide Lug OEM Ref P.N.'s; 21-03854 K52133DA 21-16048 C52133CDA	SD52CB-6-132.75	37 71532057	Telescopic		132.19
Body Service Lift OEM Ref P.N.'s; 20-04001 3024CDA NOTE: Must Replace as a Set	3782000014	37 82000014	3.50	2.00	24.00

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E-Z Pack G370 Goliath Rear Loader

(Galion, McClain or Clean Earth)

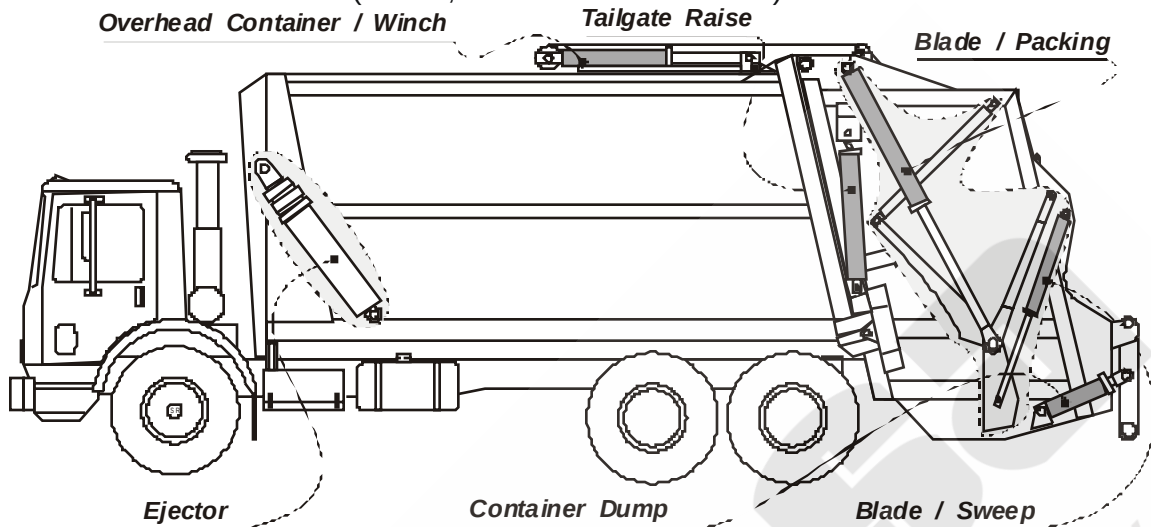


Cylinder Function	Parker Eng#	Parker Number	Bore	Rod	Stroke
Blade / Packing OEM Ref P.N.'s: 20-44095 6042DA, 20-44973 6042ADA, 20-46077 D6042BDA, 20-47092 D6042CDA, 20-48279 D6042DDA, 20-49898 D6042HDA, 21-01530 K6042LDA, 21-14659 C6042MDA	D60DC-7-42.62	3771421134	6.00	2.75	42.63
Blade / Sweep OEM Ref P.N.'s: 20-43726 4028DA, 20-44969 4028BDA, 20-46076 D4028DDA, 20-46382 D4028EDA, 20-47091 D4028FDA, 20-49897 D4028KDA, 21-01531 K4028LDA, 21-14658 C4028MDA	D40DB-3-28.5	3776821022	4.00	2.75	28.50
Blade / Sweep, Tag Axle Tailgate OEM Ref P.N.'s: 21-02610 K4025GDA, 21-14661 C4025NDA	D40DB-3-25.62	3776821025	4.00	2.75	25.62
Tailgate Raise OEM Ref P.N.'s: 20-44125 4035CDA, 20-45169 4035EDA, 20-46249 D4035HDA, 20-47090 D4035JDA, 21-01532 K4035LDA, 21-14660 C4035MDA	D40LB-1-35.31	3776821021	4.00	2.50	35.31
Overhead Container Winch Reeving OEM Ref P.N.'s: 20-46332 D6060DA, 21-02830 K6060CDA, 21-14667 C6060DDA	D60DC-8-60	3771421161	6.00	2.75	60.00
Container Dump OEM Ref P.N.'s: 21-02804 K3015GDA, 21-14668 C3015HDA	D30DL-2-15.375	3770521054	3.00	1.25	15.38
Ejector Push Out, 16 Yd OEM Ref P.N.'s: 21-01365 K6270ADA, 70-1579 D6270DA	SD62CC-23-70	3771432062	Telescopic		70.50
Ejector Push Out, 18 Yd OEM Ref P.N.'s: 21-01366 K6281ADA, 21-14665 C6281BDA, 70-1617 D6281DA	SD62CC-23-81	3771432061	Telescopic		81.50
Ejector Push Out, 20 Yd OEM Ref P.N.'s: 21-01367 K6292JDA, 21-14664 C6292KDA, 70-1464 C6292BDA, 70-1507 D6292CDA, 70-1547 D6292EDA, 70-1618 C6292HDA	SD62CC-23-92	3771432060	Telescopic		92.50
Ejector Push Out, 25 Yd OEM Ref P.N.'s: 21-01368 K63124LDA, 21-14663 C63124MDA, 70-1465 C63124DDA, 70-1478 D63124FDA, 70-1548 D63124HDA, 70-1727 C63124HDA, 70-1616 C63124JDA	SD63CC-28-124	3771433072	Telescopic		124.50
Ejector Push Out, 31 Yd OEM Ref P.N.'s: 21-01369 K74162CDA, 21-14662 C74162EDA, 70-1422 D74162DA, 70-1508 D74162ADA, 70-1546 D74162BDA, 70-1631 C74162DDA	SD74CC-13-162.88	3772534042	Telescopic		163.00

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E-Z Pack G300 Goliath II Rear Loader

(Galion, McClain or Clean Earth)

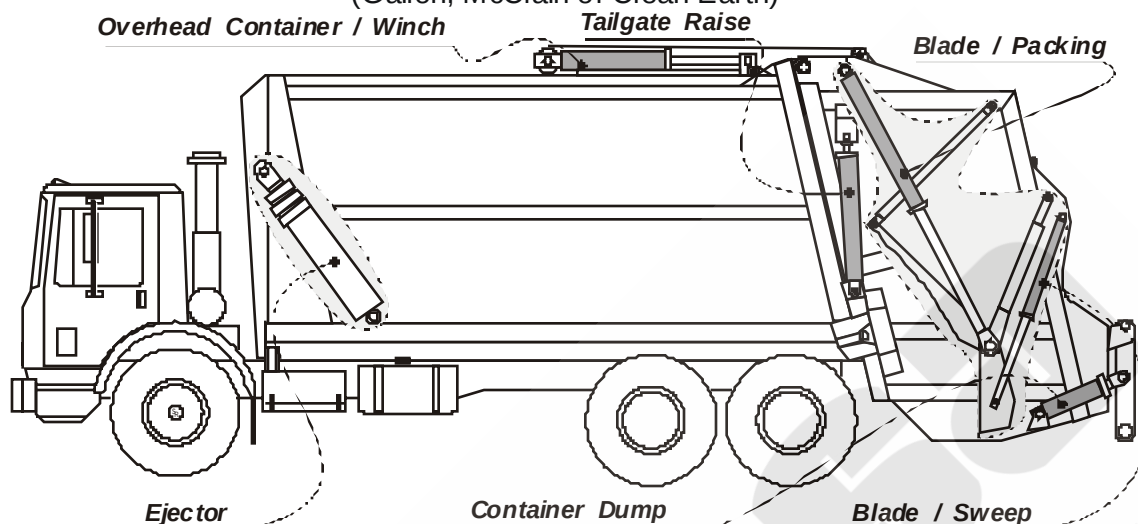


Cylinder Function	Parker Eng#	Parker Number	Bore	Rod	Stroke
Blade / Packing OEM Ref P.N.'s; 21-01954 K5538CDA, 20-49774 D5538ADA, 21-14635 C5538DDA	D55 CC-2-38.31	3771921030	5.50	2.50	38.31
Blade / Sweep OEM Ref P.N.'s; 21-01883 K4025FDA, 20-49775 D4025ADA, 21-14634 C4025MDA	D40 CC-16-24.81	3776821024	4.00	2.50	24.81
Tailgate Raise, With Automatic Locks OEM Ref P.N.'s; 21-01947 K3031CDA	D30 LC-2-31.5	3770521105	3.00	2.00	31.50
Tailgate Raise, With Turnbuckles OEM Ref P.N.'s; 21-01646 K3127E, 70-1595, D3127A	S31LC-2-27.5	3770711030	3.25	2.75	27.50
Overhead Container Winch Reeving OEM Ref P.N.'s; 20-46332 D6060DA, 21-02830 K6060CDA, 21-14667 C6060DDA	D60 DC-8-60	3771421161	6.00	2.75	60.00
Container Dump OEM Ref P.N.'s; 21-02804 K3015GDA, 21-14668 C3015HDA	D30 DL-2-15.375	3770521054	3.00	1.25	15.38
Ejector Push Out, 18 Yd OEM Ref P.N.'s; 21-01370 K6283CDA, 70-1687 C6283BDA, 70-1681 D6283ADA	SD62 CC-24-82.5	3771432064	Telescopic		82.50
Ejector Push Out, 20 Yd OEM Ref P.N.'s; 21-01371 K6297BDA, 70-1688 C6297BDA, 70-1726 C6297CDA, 70-1682 D6297ADA	SD62 CC-24-96.5	3771432063	Telescopic		96.50
Ejector Push Out, 25 Yd OEM Ref P.N.'s; 21-01765 K63129EDA, 70-1683 D63129ADA, 70-1689 C63129BDA, 70-1706 C63129CDA, 21-14639 C63129FDA	SD63 CC-27-129	3771433074	Telescopic		129.00
Ejector Push Out, 31 Yd OEM Ref P.N.'s; 21-01374 K74168EDA, 70-1685 D74168ADA, 70-1691 C74168BDA, 70-1725 C74168DDA, 21-14643 C74168FDA	SD74 CC-15-167.50	3772534049	Telescopic		167.50

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E-Z Pack A300 Apollo Rear Loader

(Galion, McClain or Clean Earth)



Cylinder Function	Parker Eng#	Parker Number	Bore	Rod	Stroke
Blade / Packing OEM Ref P.N.'s; 21-01648 K4538FDA, 21-14653 C4538DDA	D45CC-3-38.31	3775221022	4.50	2.00	38.31
Blade / Sweep OEM Ref P.N.'s; 21-01883 K4025FDA, 20-49775 D4025ADA, 21-14634 C4025MDA	D40CC-16-24.81	3776821024	4.00	2.50	24.81
Tailgate Raise, With Automatic Locks OEM Ref P.N.'s; 21-01947 K3031CDA	D30LC-2-31.5	3770521105	3.00	2.00	31.50
Tailgate Raise, With Turnbuckles OEM Ref P.N.'s; 21-01646 K3127E, 70-1595, D3127A	S31LC-2-27.5	3770711030	3.25	2.75	27.50
Overhead Container Winch Reeving OEM Ref P.N.'s; 20-46332 D6060DA, 21-02830 K6060CDA, 21-14667 C6060DDA	D60DC-8-60	3771421161	6.00	2.75	60.00
Container Dump OEM Ref P.N.'s; 21-02804 K3015GDA, 21-14668 C3015HDA	D30DL-2-15.375	3770521054	3.00	1.25	15.38
Ejector Push Out, 16Yd OEM Ref P.N.'s; 21-01375 K5269DDA, 70-1612 D5269BDA, 70-1674 C5269CDA, 21-14654 C5269EDA	SD52CC-25-68.5	3771532053	Telescopic		68.50
Ejector Push Out, 18Yd OEM Ref P.N.'s; 21-01376 K5283DDA, 70-1600 D5283ADA, 70-1720 C5283BDA, 21-14655 C5283EDA	SD52CC-25-82.5	3771532054	Telescopic		82.50
Ejector Push Out, 20Yd OEM Ref P.N.'s; 21-01377 K5297DDA, 70-1598 D5297ADA, 70-1622 C5297CDA, 21-14656 C5297EDA	SD52CC-25-96.5	3771532052	Telescopic		96.50
Ejector Push Out, 25Yd OEM Ref P.N.'s; 21-01378 K53129DDA, 70-1599 D53129ADA, 70-1639 D53129BDA, 70-1705 C53129CDA, 21-14657 C53129EDA	SD53CC-30-129	3771533066	Telescopic		129.12

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E-Z Pack, C200 & M150 Rear Loader

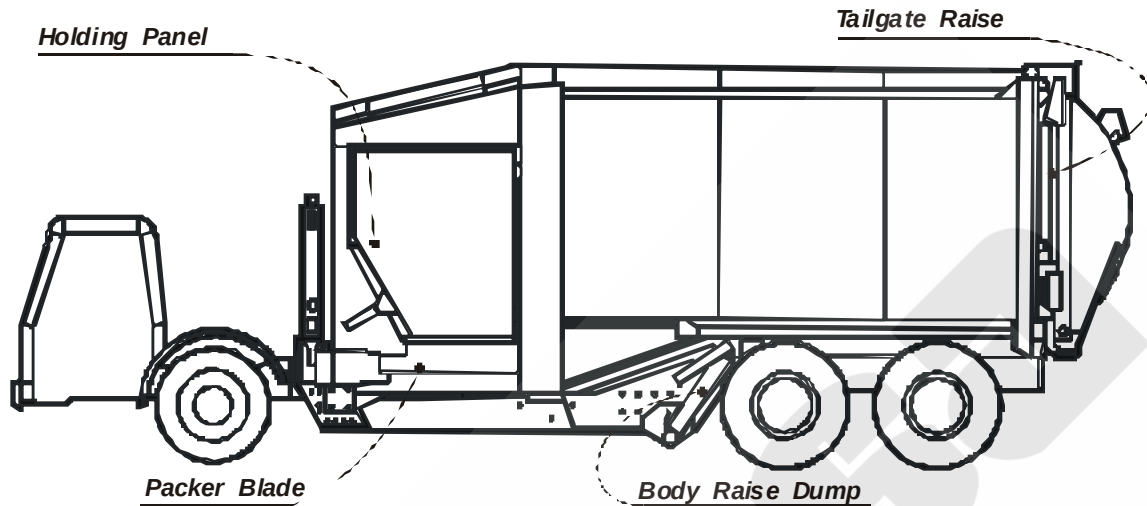
C200D & C200E Rear Loader

<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Blade / Packing OEM Ref P.N.'s; 21-03472 K4030LDA, 21-01631 K4030JDA, 20-46153 D4030EDA, 20-47492 D4030FDA, 21-14671 C4030MDA	D40DL-2-30.38	3776821029	4.00	1.75	30.38
Blade / Sweep OEM Ref P.N.'s; 21-01630 K3021LDA, 20-46151 D3021GDA, 20-47491 D3021HDA, 21-14670 C3021MDA	D30DD-7-21.12	3770521057	3.00	1.75	21.13
Tailgate Raise; With Turnbuckles OEM Ref P.N.'s; 21-01629 K3128J, 70-1704 C3128G, 21-14672 C3128K, 70-1567 D3128D	S31LC-1-28.56	3770711027	3.25	2.75	28.56
Ejector Pust Out, 16 YD OEM Ref P.N.'s; 21-01379 K4257BDA, 70-1625 C4257ADA, 21-14674 C4257CDA, 70-1581 D4257DA	SD42CC-22-57	3771032027	Telescopic		57.00
Ejector Pust Out, 20 YD OEM Ref P.N.'s; 21-01381 K5292GDA, 70-1308 D5292DA, 70-1506 D5292CDA, 70-1566 D5292DDA, 70-1602 D5292EDA, 70-1621 C5292FDA	SD52CC-25-92.5	3771532055	Telescopic		92.50
Ejector Pust Out, 25 YD OEM Ref P.N.'s; 21-01382 K53117HDA, 70-1309 D53117DA, 70-1577 D53117DDA, 70-1626 C53117EDA, 21-14673 C53117JDA	SD53CC-30-117.25	3771533057	Telescopic		117.25

M150 Rear Loader

<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Blade / Packing OEM Ref P.N.'s; 21-03471 K3526NDA, 21-01635 K3526LDA, 20-46152 D3526JDA, 21-14676 C3526PDA	D35DL-2-26.31	3774021006	3.50	1.75	26.31
Blade / Sweep OEM Ref P.N.'s; 21-01634 K3018GDA, 21-14675 C3018HDA	D30DD-6-18	3770521051	3.00	1.75	18.00
Tailgate Raise; With Turnbuckles OEM Ref P.N.'s; 21-01632 K2523D, 21-14677 C2523E	S31CC-24-23.56	3770711028	3.25	2.75	23.31
Ejector Pust Out, 14 YD OEM Ref P.N.'s; 21-01633 K5391CDA, 70-1504 D5391ADA, 21-14678 C5391EDA	SD53CC-29-91.50	3771533056	Telescopic		91.50

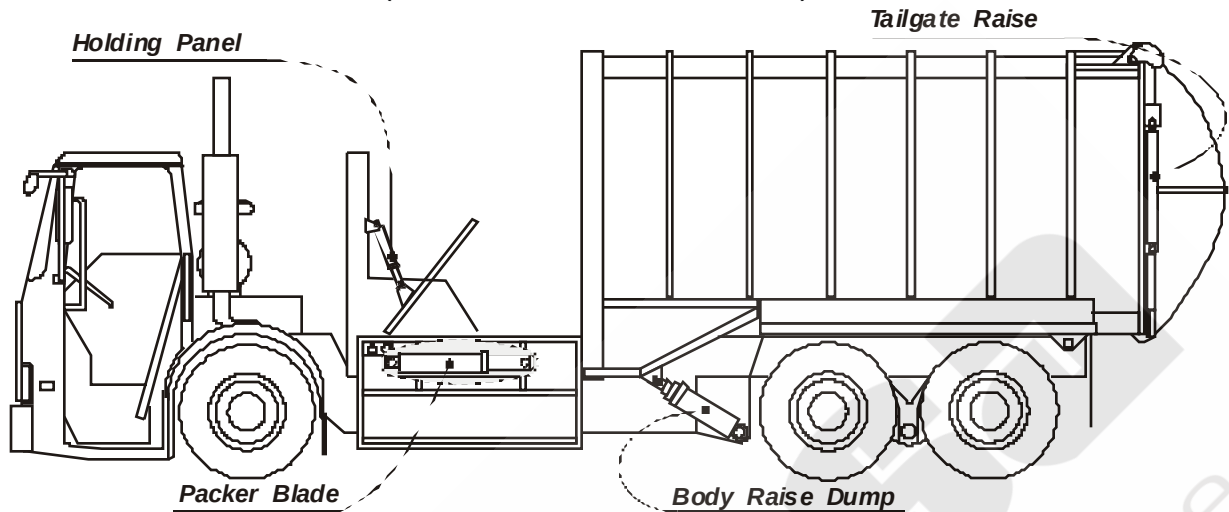
E-Z Pack SLB30, SLB35 & SLB40 One Man Side Loader
(Galion, McClain or Clean Earth)



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Packer Blade OEM Ref P.N.'s; K4042DDA 21-02832, 20-46159 D4042BDA, 20-47088 D4042CDA	D40CB-7-42	3776821030	4.00	2.50	42.00
Packer Blade OEM Ref P.N.'s; K5040BDA 21-10661, K5040ADA	D50CB-6-40	3777921028	5.00	4.00	40.00
Packer Blade OEM Ref P.N.'s; 21-06957 K4542DA	B5607	3790005607	4.50	3.00	41.44
Holding Panel, Crusher Panel OEM Ref P.N.'s; 21-07434 K3025CDA	D30LD-4-24	3770521071	3.00	1.75	24.75
Holding Panel, Crusher Panel OEM Ref P.N.'s; 21-02833 K3514DDA, 20-48858 D3514CDA	D35DB-2-14.25	3774021007	3.50	2.50	14.25
Tailgate Raise OEM Ref P.N.'s; 20-47048 D3033ADA, 20-52347 K3033DDA, 21-15644 C3033EDA	D30LD-2-33.38	3770521048	3.00	1.75	33.38
Body Raise / Dump 30Yard Body OEM Ref P.N.'s; 21-11905 K5365CDA	S53DC-21-65	3771513142	Telesco pic		65.00
Body Raise / Dump 35Yard Body OEM Ref P.N.'s; 21-11904 K5381XDA, 21-15649 C5381ZDA	S53DC-21-81	3771513143	Telesco pic		81.00
Body Raise / Dump 40Yard Body OEM Ref P.N.'s; 21-11903 K6499ADA	S64DC-11-99	3771414048	Telesco pic		99.00

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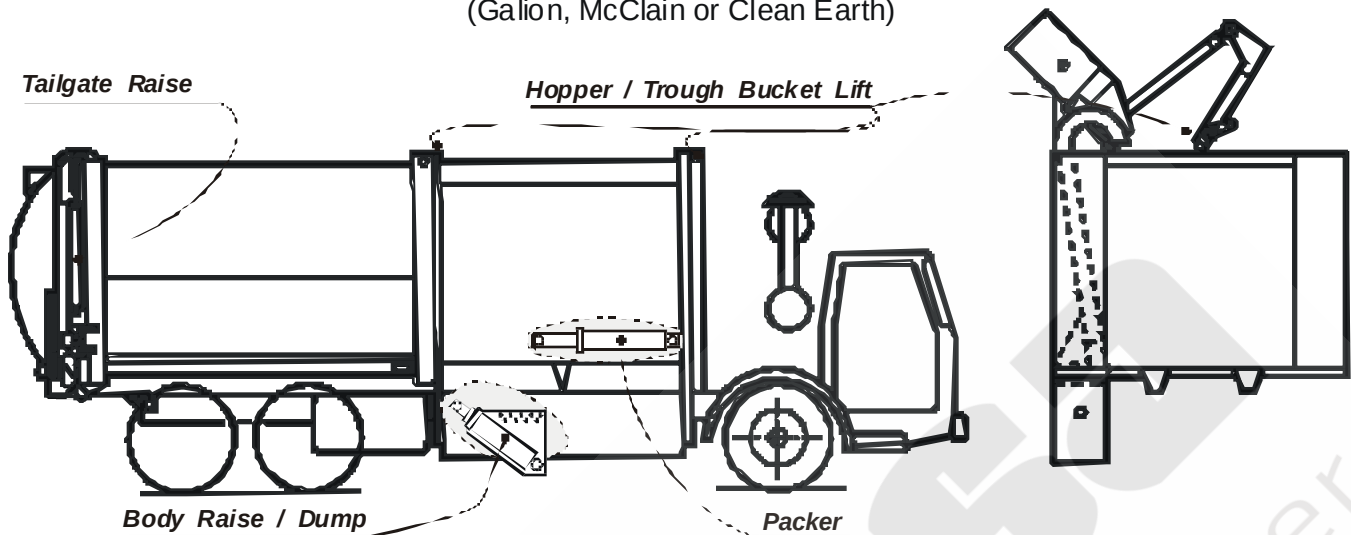
E-Z Pack HCSL & HCSLA One Man Side Loader
(Galion, McClain or Clean Earth)



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Packer Blade OEM Ref P.N.'s: K4042DDA 21-02832, 20-46159 D4042BDA, 20-47088 D4042CDA	D40CB-7-42	3776821030	4.00	2.50	42.00
Holding Panel, Crusher Panel OEM Ref P.N.'s: 21-02833 K3514DDA, 20-48858 D3514CDA	D35DB-2-14.25	3774021007	3.50	2.50	14.25
Tailgate Raise OEM Ref P.N.'s: 20-47048 D3033ADA, 20-52347 K3033DDA, 21-15644 C3033EDA	D30LD-2-33.38	3770521048	3.00	1.75	33.38
Body Raise / Dump; Single Axle OEM Ref P.N.'s: 21-01644 K5253A	S52DB-7-53.62	3771512052	Telescopic		53.62
Body Raise / Dump; Dual Axle OEM Ref P.N.'s: 21-01819 K5382V, 70-1668 C5382D, 70-1668 C5382D	S53DB-16-82	3771513160	Telescopic		82.75

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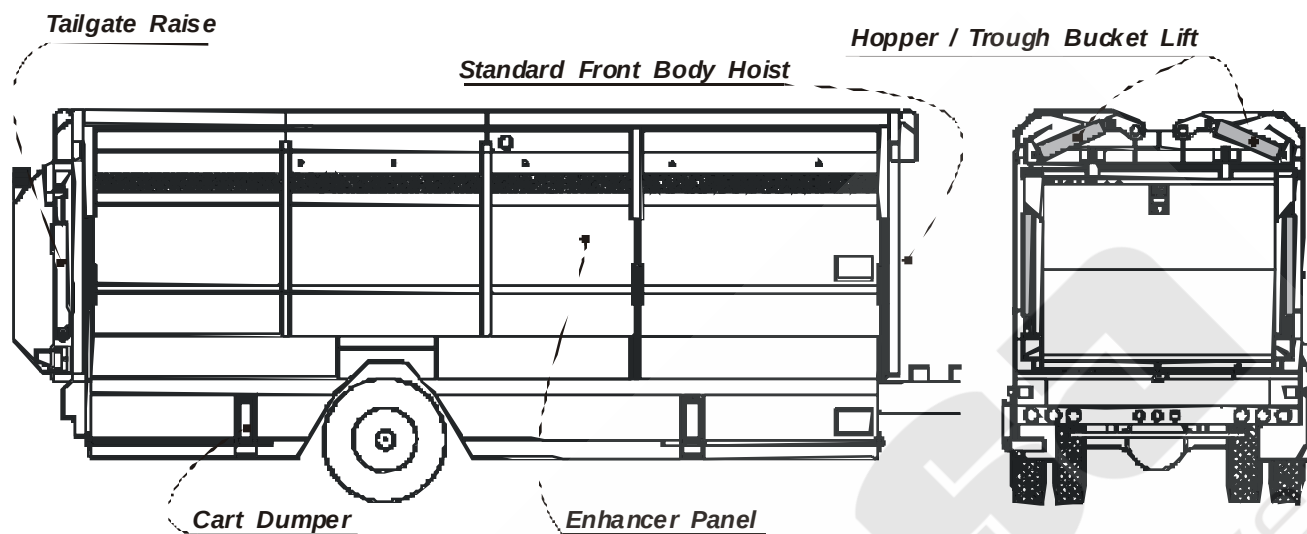
E-Z Pack HCR-34, HCR-37 & HCR-40 High Capacity Recycler
(Galion, McClain or Clean Earth)



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Hopper / Trough Bucket Lift OEM Ref P.N.'s; 21-04945 K3023EDA, 21-04533 K3023DDA, 20-49348 D3023BDA, 21-15647 C3023GDA	D30DD-9-23	3770521067	3.00	1.25	23.00
Packer OEM Ref P.N.'s; 21-02832 K4042DDA, 20-46159 D4042BDA, 20-47088 D4042CDA	D40CB-7-42	3776821030	4.00	2.50	42.00
Packer OEM Ref P.N.'s; 21-03228 K5042ADA, 21-15648 C5042BDA	D50CB-3-42	3777921005	5.00	2.50	42.00
Tailgate Raise OEM Ref P.N.'s; 20-52347 K3033DDA, 20-47048 D3033ADA, 21-15644 C3033EDA	D30LD-2-33.38	3770521048	3.00	1.75	33.38
Body Raise / Dump, HCR-34 & HCR-37 OEM Ref P.N.'s; 21-02113 K5371J, 70-1664 D5371G, 70-1667 C5371H	S53DB-16-71	3771513159	Telescopic		71.13
Body Raise / Dump, HCR-40 OEM Ref P.N.'s; 21-02112 K5390B, 70-1722 C5390A	S53DB-16-92	3771513161	Telescopic		91.13

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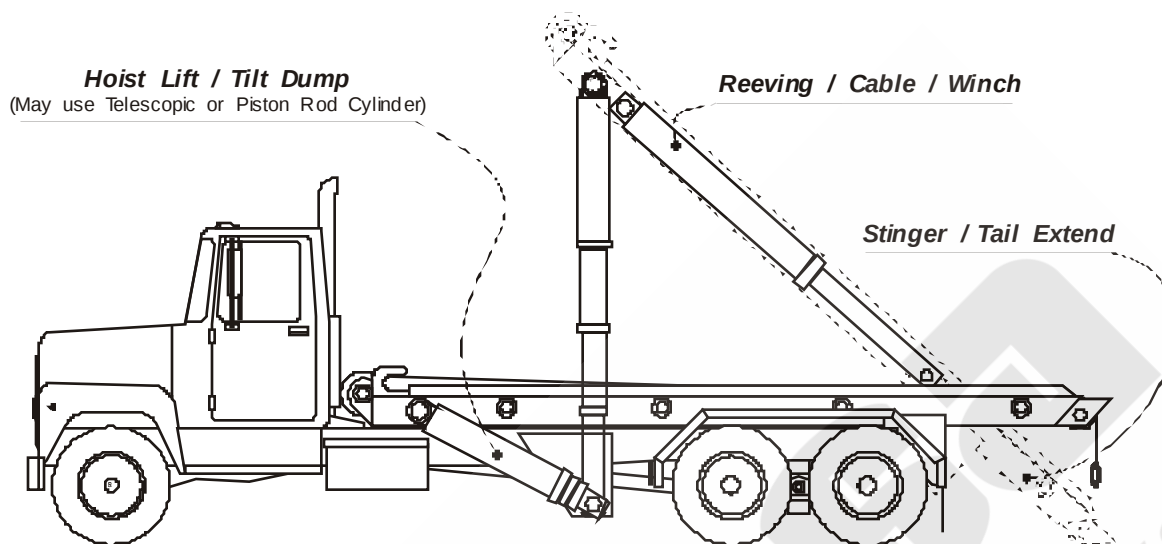
G-S Products GS-5700 Recycling Body



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Hopper / Trough Bucket Lift, Loading OEM Ref P.N.'s; 11071	D45CC-18-16.00	37 74121040	4.50	2.00	16.00
Enhancer Panel / Packer OEM Ref P.N.'s; 11085	D40CC-26-69.00	37 70821049	4.00	2.00	69.00
Enhancer Panel / Packer OEM Ref P.N.'s; 11080	D40CC-26-91.50	37 70821048	4.00	2.00	91.50
Panel, Air Cylinder OEM Ref P.N.'s; 11086	N/A		Air Cylinder		
Tailgate Raise OEM Ref P.N.'s; 11041	N/A				
Body Raise / Dump, Front Mount OEM Ref P.N.'s; 12211	N/A				

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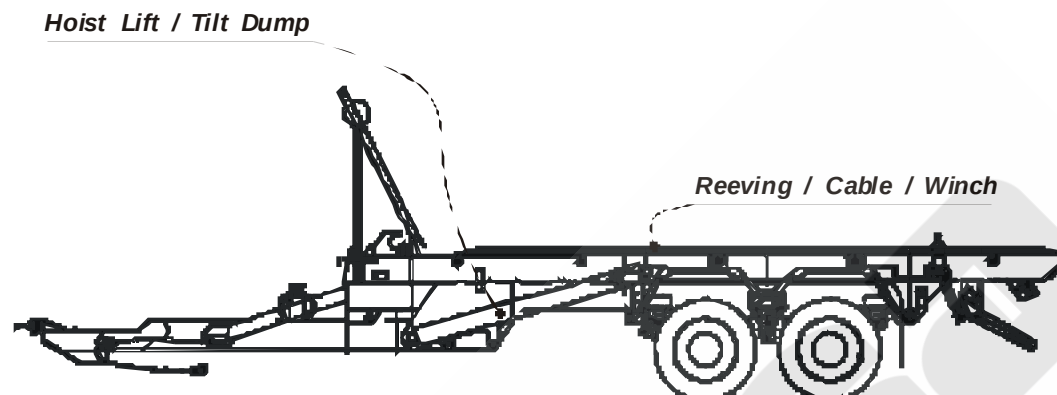
G & H Manufacturing 1500 & 1560 Roll-Off



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Reeving / Cable / Winch; 1500 Mfg Pre 06/02 OEM Ref P.N.'s; H3291, P1331, PH-020-168 NPT Ports	D60DD-14-79	3771421222	6.00	4.00	79.00
Reeving / Cable / Winch; 1500 Mfg After 06/02 OEM Ref P.N.'s; FA1001 SAE Ports	D60DD-16-79	3771421241	6.00	4.00	79.00
Reeving / Cable / Winch; 1560 Mfg Pre 06/02 OEM Ref P.N.'s; H3292 NPT Ports	D70DD-6-79	3773721109	7.00	4.00	79.00
Reeving / Cable / Winch; 1560 Mfg After 06/02 OEM Ref P.N.'s; FA102 SAE Ports	D70DD-8-79	3773721113	7.00	4.00	79.00
Hoist Lift / Tilt Dump; 1500 Rod Type Mfg Pre 06/02 OEM Ref P.N.'s; H3291, P1331, PH-020-168 NPT Ports	D60DD-14-79	3771421222	6.00	4.00	79.00
Hoist Lift / Tilt Dump; 1500 Mfg After 06/02 OEM Ref P.N.'s; FA1001 SAE Ports	D60DD-16-79	3771421241	6.00	4.00	79.00
Hoist Lift / Tilt Dump; 1560 Rod Type Mfg Pre 06/02 OEM Ref P.N.'s; H3292 NPT Ports	D70DD-6-79	3773721109	7.00	4.00	79.00
Hoist Lift / Tilt Dump; 1560 Rod Type Mfg After 06/02 OEM Ref P.N.'s; H3292 SAE Ports	D70DD-8-79	3773721113	7.00	4.00	79.00
Hoist Lift / Tilt Dump; 1500 Telescopic OEM Ref P.N.'s;	SD62DB-6-79	3771432081	Telescopic		79.00
Hoist Lift / Tilt Dump; 1500 Telescopic OEM Ref P.N.'s; 020116, PH-020-116	SD63DB-20-115.81	3771433943	Telescopic		115.81
Hoist Lift / Tilt Dump; 1560 Telescopic OEM Ref P.N.'s; H2208	SD73DB-10-115	3772533078	Telescopic		115.75
Stinger Tail Extend OEM Ref P.N.'s; A1162	3782000052	3782000052	4.00	2.00	48.00

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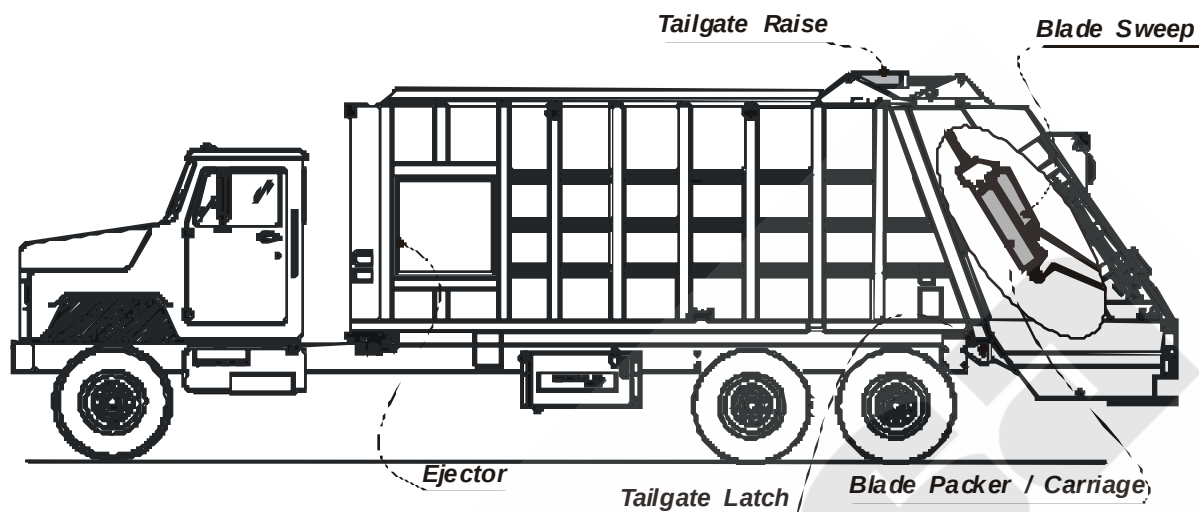
G & H Manufacturing 1700 Roll-Off Trailer



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Reeving / Cable / Winch; Mfg Pre 06/02 OEM Ref P.N.'s; H3291, P1331, PH-020-168 NPT Ports	D60DD-14-79	3771421222	6.00	4.00	79.00
Reeving / Cable / Winch; Mfg After 06/02 OEM Ref P.N.'s; FA1001 SAE Ports	D60DD-16-79	3771421241	6.00	4.00	79.00
Hoist Lift / Tilt Dump; Mfg Pre 06/02 OEM Ref P.N.'s; H3291, P1331, PH-020-168 NPT Ports	D60DD-14-79	3771421222	6.00	4.00	79.00
Hoist Lift / Tilt Dump; Mfg After 06/02 OEM Ref P.N.'s; FA1001 SAE Ports	D60DD-16-79	3771421241	6.00	4.00	79.00

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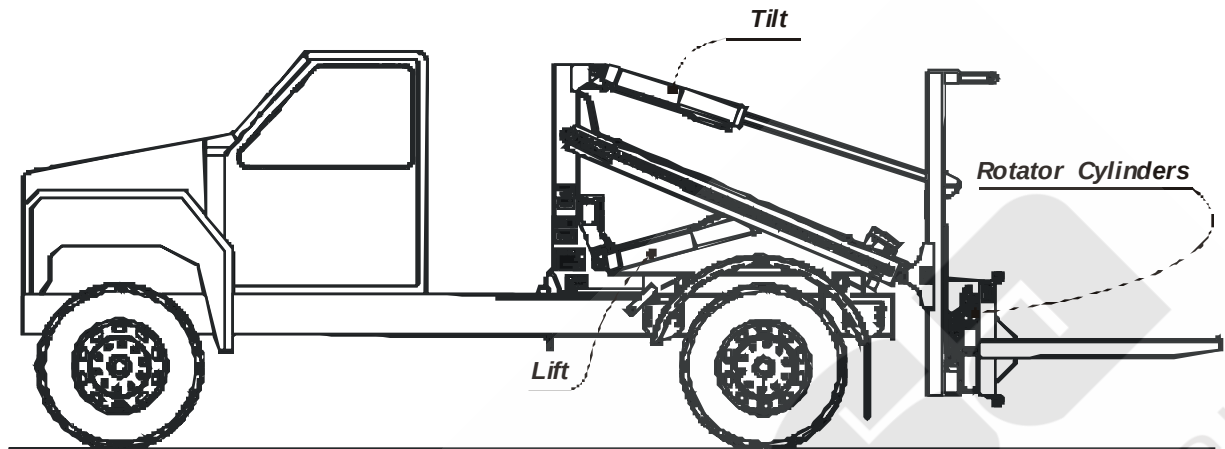
G & H Manufacturing R-90 Recycling Rear Loader



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Blade Packer / Carriage OEM Ref P.N.'s; A2610, H1234, PH-020-803	D50CD-4-30	3777921071	5.00	2.00	30.00
Blade / Sweep OEM Ref P.N.'s; A4456, H1238	D45DD-8-16.75	3774121038	4.50	2.50	16.75
Tailgate Raise OEM Ref P.N.'s; A4455, H1235	D40DD-22-15	3776821087	4.00	1.50	15.00
Tailgate Latch OEM Ref P.N.'s; A2823	D25AA-2-3.00	3772621143	2.50	1.25	3.00
Ejector Push Out, 25 Yd OEM Ref P.N.'s; H1232, 5530002	SD53CB-9-133	3771533044	Telescopic		133.50
Ejector Push Out, 30 Yd OEM Ref P.N.'s; H1233, 5530001	SD53CB-9-150	3771533045	Telescopic		150.00

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G & H Manufacturing 8000 & 8000R Container Carrier



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Tilt OEM Ref A1530, H1020, PH-020-002	N/A		4.00	2.00	29.50
Lift OEM Ref A2116, H1018, PH-020-023	N/A		4.00	2.00	32.00
Rotator OEM Ref A3689, H1019, PH-020-021	N/A		3.50		16.00

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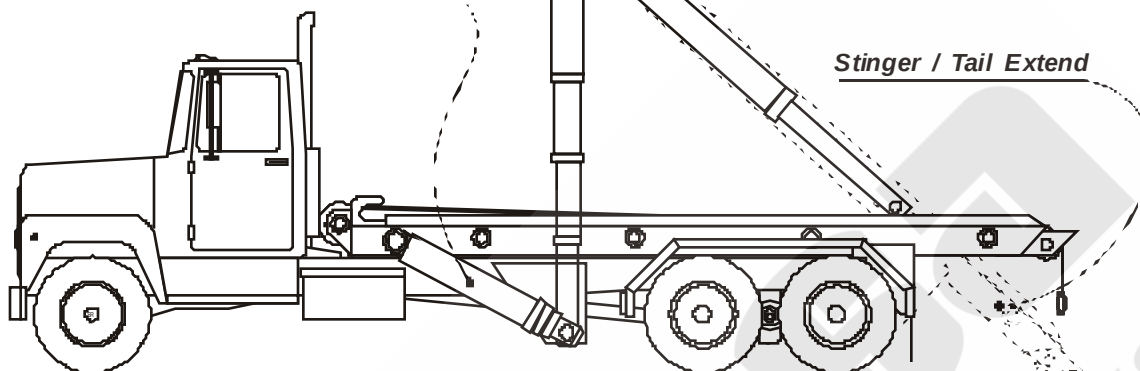
Galbreath Roll-Off

U4-EH, EX, HH, IO, OR, IH, MM and U5-DL, EH, EX, HH, IO, OR, SI

Hoist Lift / Tilt Dump
(May use Telescopic or Piston Rod Cylinder)

Reeving / Cable / Winch

Stinger / Tail Extend



U4-EH-156 & -174 / U4-EX-156 & -175 / U4-HH-156 & -174 / U4-IO-156, -174 & -182 / U4-OR-156, -174 -182 / U4-IH / U4-MM					
<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Reeving / Cable / Winch; -156 OEM Ref P.N.'s; 2477, 8433, A1245, A2084, A3117	D60LN-2-75	37 71421148	6.00	3.00	75.00
Reeving / Cable / Winch; -174 & -182 OEM Ref P.N.'s; 1040, 2476, 4815, 9889, A2203, A3119	D60LN-2-80	37 71421145	6.00	3.00	80.00
Hoist Lift / Tilt Dump; -156 & -174 OEM Ref P.N.'s; 1039, 1043, 1126, 3412, 9920, A1527, A1793, A3137, B1043	D60DB-7-72	37 71421147	6.00	4.50	72.00
Hoist Lift / Tilt Dump; U4-MM OEM Ref P.N.'s; 2494, 3131, 3242, 3903, A2213 A3171, A3381	SD62CB-12-94	37 71432078	Telescopic		94.00
Stinger Tail Extend; -EX- & -EH- OEM Ref P.N.'s; 1031, 2464, 3074, 4636, A3091	D35BB-1-80	37 74021012	3.50	2.50	80.00
U5-DL-156, -174 & -194 / U5-EH-174 / U5-EX-156, -174 & -194 / U5-HH-156, -174 & -194 / U5-IO-156, -174, -182 & 194 / U5-OR-156, -174, -182 & 194 / U5-SI-186					
<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Reeving / Cable / Winch; -156 OEM Ref P.N.'s; 2452, 9924, A1896, A2452, A3145	D70LN-2-75	37 73721021	7.00	3.00	75.00
Reeving / Cable / Winch; -174, -182, -186 OEM Ref P.N.'s; 1054, 2460, 9921, A1529, A1717, A1897, A1968, A3147, B2460	D70LN-2-80	37 73721025	7.00	3.00	80.00
Reeving / Cable / Winch; -194 OEM Ref P.N.'s; 2455, 2463, 9846, A1898, A1969, A3149, B2455	D70LN-2-90	37 73721023	7.00	3.00	90.00
Hoist Lift / Tilt Dump; -156, -174, 182, 186 OEM Ref P.N.'s; 1039, 1043, 1126, 3412, 9920, A1527, A1793, A3137, B1043	D60DB-7-72	37 71421147	6.00	4.50	72.00
Hoist Lift / Tilt Dump; -194 OEM Ref P.N.'s; 2419, 3116, 3139, 3902, A2083, A3167, A3377	SD62CB-12-114	37 71432079	Telescopic		114.00
Stinger Tail Extend; -EX- & -EH- OEM Ref P.N.'s; 1031, 2464, 3074, 4636, A3091	D35BB-1-80	37 74021012	3.50	2.50	80.00
Stinger Tail Extend; -IX- OEM Ref P.N.'s; 1656, 3429, 4191, 4635, A3089	D35BB-1-60	37 74021011	3.50	2.50	60.00

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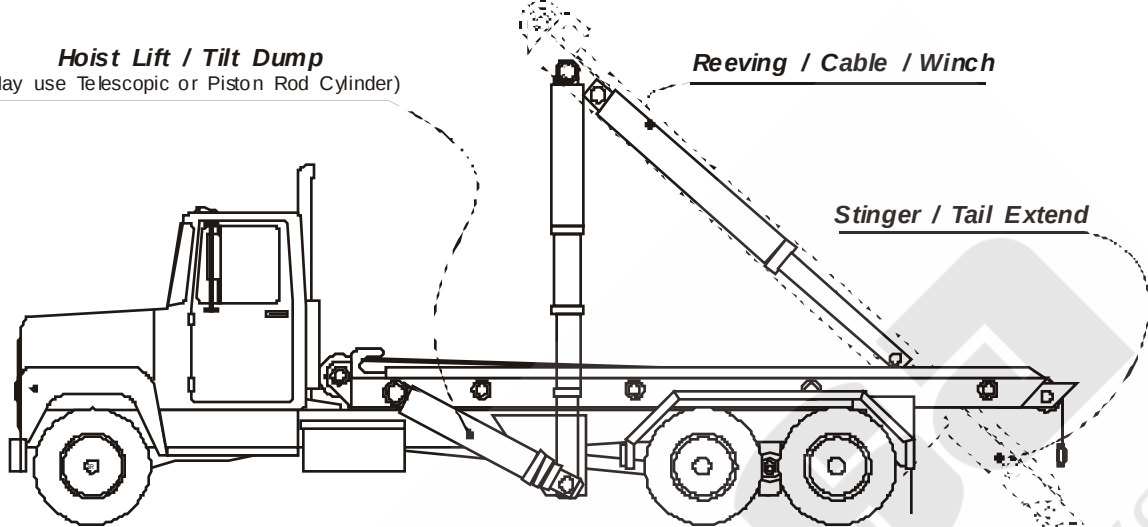
Galbreath Roll-Off

U5-IH, MM / UT-EX, HH, OR, IO, IX, SI, UX-EX, HH, DL, OR, IX / UM-EX, HH, OR, IO

Hoist Lift / Tilt Dump
(May use Telescopic or Piston Rod Cylinder)

Reeving / Cable / Winch

Stinger / Tail Extend



U5-IH-156 & -174 / U5-MM-156 & -174 / UT-EX-174 & -194 / UT-HH-174 & -194 / UT-OR-174 & -194 / UT-IO-174, 182 & -194 / UT-IX-174, 182 & -194 / UT-SI-186 / UX-EX-169 / UX-HH-169 / UX-DL-169 / UX-OR-178 / UX-IO-178 / UM-EX-194 / UM-HH-194 / UM-OR-194 / UM-IO-194 / UX5

Cylinder Function	Parker Eng#	Parker Number	Bore	Rod	Stroke
Reeving / Cable / Winch; -156 OEM Ref P.N.'s; 2452, 9924, A1896, A2452, A3145	D70LN-2-75	37 73721021	7.00	3.00	75.00
Reeving / Cable / Winch; -169, -174, -178, -182, -186 UM-HH-194 OEM Ref P.N.'s; 1054, 2460, 9921, A1529, A1717, A1897, A1968, A3147, B2460	D70LN-2-80	37 73721025	7.00	3.00	80.00
Reeving / Cable / Winch; -194 OEM Ref P.N.'s; 2455, 2463, 9846, A1898, A1969, A3149, B2455	D70LN-2-90	37 73721023	7.00	3.00	90.00

Hoist Lift / Tilt Dump; IH-174 OEM Ref P.N.'s; 1039, 1043, 1126, 3412, 9920, A1527, A1793, A3137, B1043	D60DB-7-72	37 71421147	6.00	4.50	72.00
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Hoist Lift / Tilt Dump; UM-EX, UM-HH, UM-OR UM-IO OEM Ref P.N.'s; 2420, 8973, A2212, A3169, A3379	SD62CB-12-79	37 71432077	Telescopic		79.00
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Hoist Lift / Tilt Dump; IH-156, MM, UX-EX, UX-HH UX-DL, UX-OR, UX-IO, UX-5 OEM Ref P.N.'s; 2494, 3131, 3242, 3903, A2213 A3171, A3381	SD62CB-12-94	37 71432078	Telescopic		94.00
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Hoist Lift / Tilt Dump; UT-IO-194 OEM Ref P.N.'s; 2419, 3116, 3139, 3902, A2083, A3167, A3377	SD62CB-12-114	37 71432079	Telescopic		114.00
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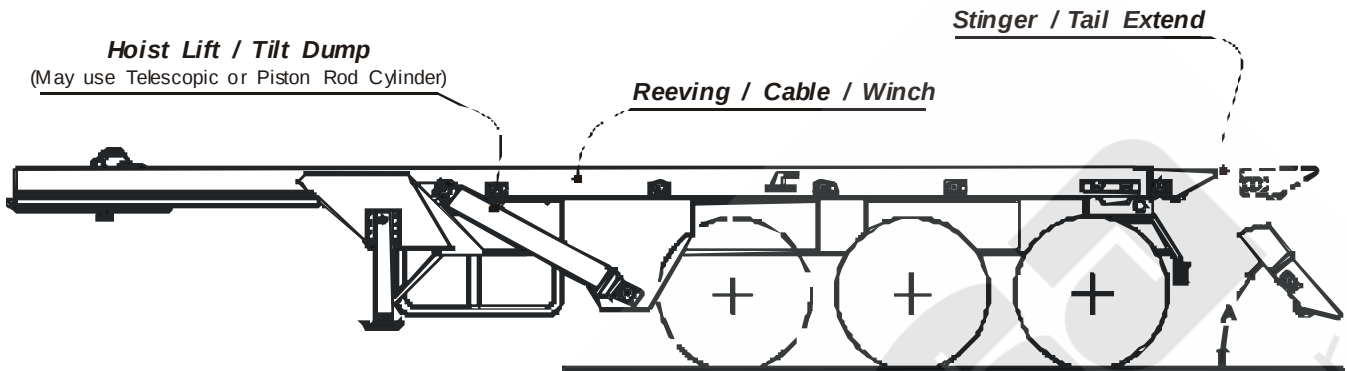
Hoist Lift / Tilt Dump; UT-EX-, UT-HH-, UT-OR-, UT-IO-174 & -182, -IX-, -SI- OEM Ref P.N.'s; 1111, A1606, A1745, A3173, A3383	SD63CB-23-118	37 71433922	Telescopic		118.00
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Stinger Tail Extend; -EX-, -IX- OEM Ref P.N.'s; 1031, 2464, 3074, 4636, A3091	D35BB-1-80	37 74021012	3.50	2.50	80.00
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Galbreath Roll-Off Trailer

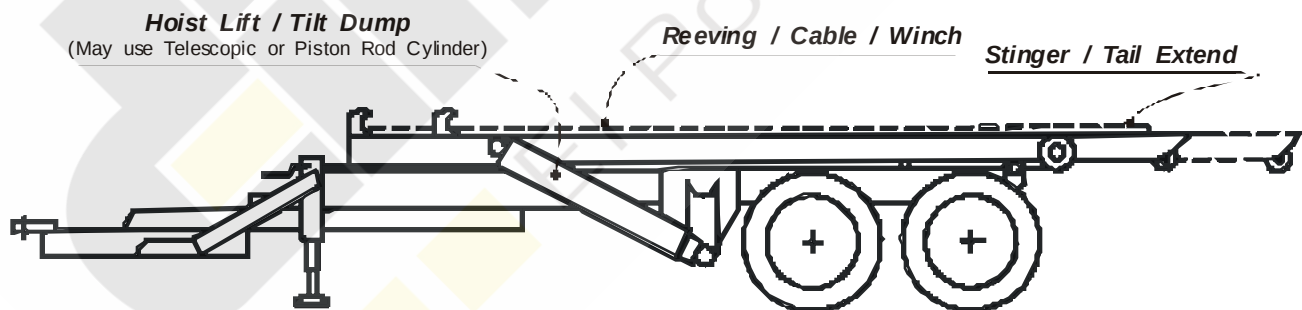
A5-EX-200 & -250, A5-OR-200 & -250, A5-IO-200 & -250, A5-HH-200 & -250, A5-DL-200 & -250



Cylinder Function	Parker Eng#	Parker Number	Bore	Rod	Stroke
Reeving / Cable / Winch; -200 OEM Ref P.N.'s; 2455, 2463, 9846, A1898, A1969, A3149, B2455	D70LN-2-90	3773721023	7.00	3.00	90.00
Reeving / Cable / Winch; -250 OEM Ref P.N.'s; 1124, 1163, , 2461, 3130, 9922 A1899, A3143, B2461	D70LN-2-108	3773721022	7.00	3.00	108.00
Hoist Lift / Tilt Dump; -200 OEM Ref P.N.'s; 2420, 8973, A2212, A3169, A3379	SD62CB-12-79	3771432077	Telescopic		79.00
Hoist Lift / Tilt Dump; -250 OEM Ref P.N.'s; 1111, A1606, A1745, A3173, A3383	SD63CB-23-118	3771433922	Telescopic		118.00
Stinger Tail Extend; -EX- OEM Ref P.N.'s; 1031, 2464, 3074, 4636, A3091	D35BB-1-80	3774021012	3.50	2.50	80.00

Galbreath TT Trailer

TT-OR-176, TT-EX-176, TT-IO-176, TT-HH-176, TT-DL-176

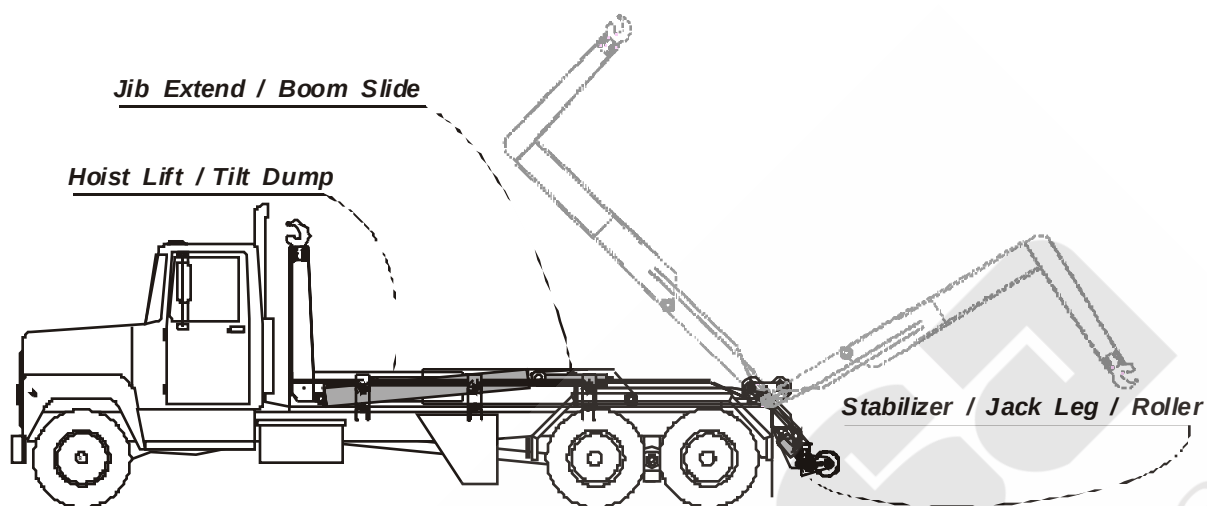


Cylinder Function	Parker Eng#	Parker Number	Bore	Rod	Stroke
Reeving / Cable / Winch; OEM Ref P.N.'s; 1040, 2476, 4815, 9889, A2203, A3119	D60LN-2-80	3771421145	6.00	3.00	80.00
Hoist Lift / Tilt Dump; OEM Ref P.N.'s; 1944, A2202, A3165	SD52CB-7-79	3771532059	Telescopic		79.00
Stinger Tail Extend; -EX- OEM Ref P.N.'s; 1031, 2464, 3074, 4636, A3091	D35BB-1-80	3774021012	3.50	2.50	80.00

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Galbreath Hook Lift Roll-Off

U13-HL, U20-HK, U30-HK, U5-HK, U6-HK

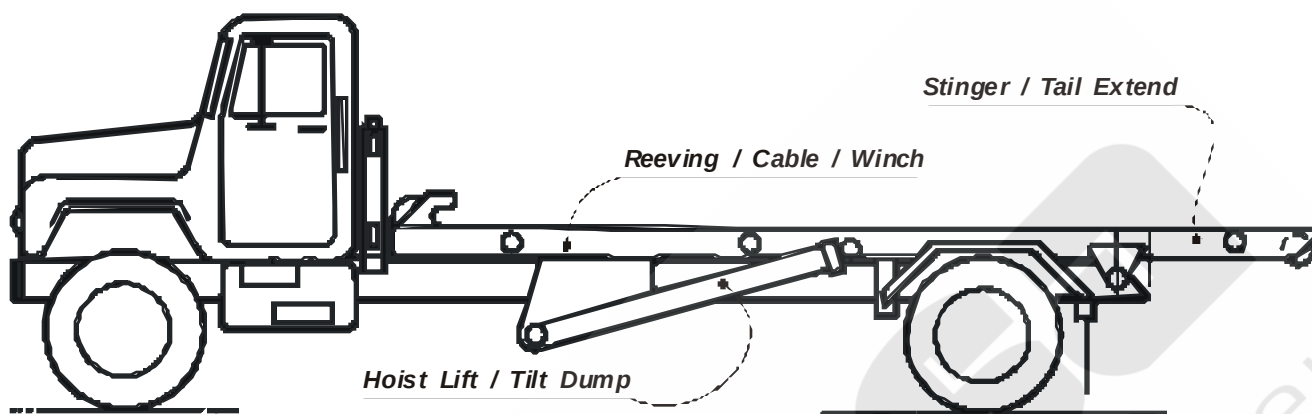


Cylinder Function	Parker Eng#	Parker Number	Bore	Rod	Stroke
Jib Extend; U13-HL, U20-HL OEM Ref P.N.'s; 9933, A1888, A3081	D30BB-1-37	3770521068	3.00	2.00	37.00
Jib Extend; U30-HL, U5-HL, U6-HL OEM Ref P.N.'s; 9780, A1889, A3101	D40BB-1-48	3770821034	4.00	2.50	48.00
Hoist Lift / Tilt Dump; U13-HL, U20-HL OEM Ref P.N.'s; 9932, A1890, A2077, A2152, A3109	D50BB-3-52	3777921016	5.00	3.00	52.00
Hoist Lift / Tilt Dump; U30-HL OEM Ref P.N.'s; A1213, A1453, A3123	D60DC-9-78	3771421163	6.00	3.50	78.00
Hoist Lift / Tilt Dump; U5-HL, U6-HL OEM Ref P.N.'s; 9566, A1528, A3151	D70DC-2-81	3772521104	7.00	3.50	81.00
Stabilizer / Jack Leg; U6-HK OEM Ref P.N.'s; 3091, 3106, 7392, 9500, 9872 A1891, A3115	D60BB-3-4.81	3771421139	6.00	3.00	4.81

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Galbreath Single Axle Roll-Off

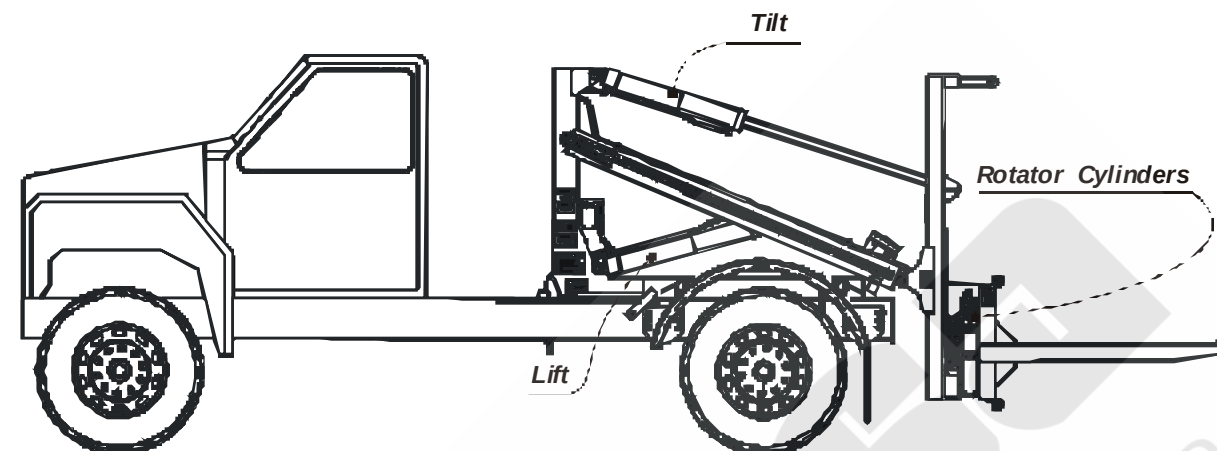
U2-EX, U2-OR, U3-EX, U3-IO, U3-OR, MB-EX and MB-OR



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Reeling / Cable / Winch; U2-EX-119 OEM Ref P.N.'s; 9015, A3111	D50DB-5-54	37 77921010	5.00	3.00	54.00
Reeling / Cable / Winch; 138 & 156 OEM Ref P.N.'s; 346 7, 3511, 3520, 3760, 4272, 4321 9009, A2201, A3113	D50DB-8-66	37 77921013	5.00	3.00	66.00
Hoist Lift / Tilt Dump; OEM Ref P.N.'s; 9015, A3111	D50DB-5-54	37 77921010	5.00	3.00	54.00
Stinger Tail Extend; -EX- OEM Ref P.N.'s; 165 6, 3429, 4 191, 4635, A3089	D35BB-1-60	37 74021011	3.50	2.50	60.00

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Galbreath CH8000 CHR8000 Container Carrier

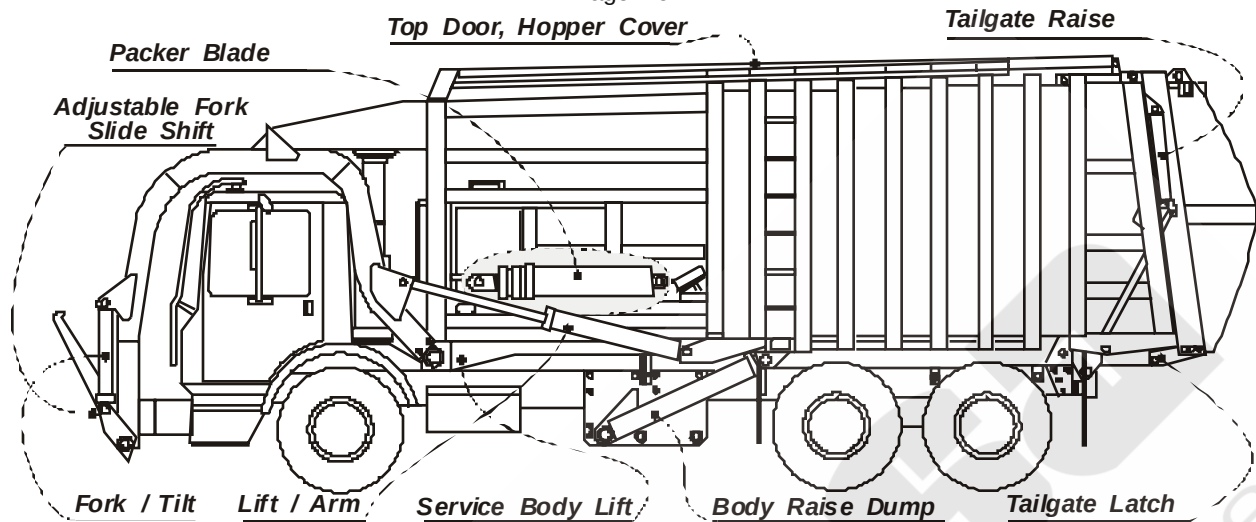


<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Tilt OEM Ref 3891, A2190	D40CD-7-29.50	37 76821033	4.00	2.00	29.50
Lift OEM Ref 3890, A2189	D35CD-8-32	37 74021015	3.50	2.00	32.00
Rotator OEM Ref	N/A				

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Heil Half Pack III Front Loader

Page 1 of 2

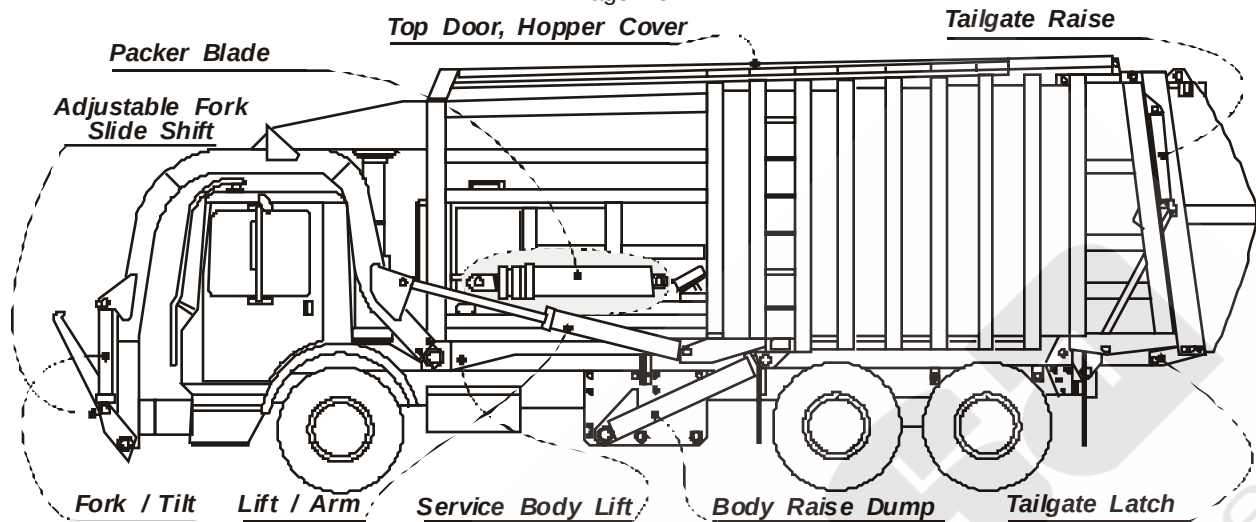


<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Arm / Lift OEM Ref P.N.'s; 1-4871	D45CC-14-41.50	37 74121035	4.50	2.50	41.50
Arm / Lift OEM Ref P.N.'s; 1-5098, 1-5150, 1-6370, 1-6388	D45CC-19-41.50	37 74121041	4.50	2.50	41.50
Fork / Tilt OEM Ref P.N.'s; 1-4868, 1-6384, 1-6670	D40CD-14-25	37 76821084	4.00	2.00	25.00
Fork / Tilt With 3" Stop OEM Ref P.N.'s; 1-4903, 1-6369, 1-6669	D40CD-8-22	37 76821067	4.00	2.00	22.00
Fork / Tilt With 6" Stop OEM Ref P.N.'s; 1-6126, 1-6385	D40CC-27-19	37 76821094	4.00	2.00	19.00
Adjustable Fork / Slide Shift OEM Ref P.N.'s; 1-4876	N/A	N/A	1.50	1.00	
Top Door 28 Yd Body OEM Ref P.N.'s; 1-3717, 1-6386	D25LD-2-90	37 72621121	2.50	1.50	90.00
Top Door 23 Yd Body OEM Ref P.N.'s; 1-3719, 1-6387	N/A	N/A	2.50	1.50	68.00
Tailgate Raise, Shur-Lock OEM Ref P.N.'s; 1-5088, 1-6521	D30CC-17-28.19	37 70521108	3.00	1.75	28.18
Tailgate Raise OEM Ref P.N.'s; 1-4870	D30CL-2-25.25	37 70521093	3.00	1.50	25.25
Tailgate Latch OEM Ref P.N.'s; 1-3727, 1-6153	D30CA-2-3.62	37 70521101	3.00	1.50	3.63

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Heil Half Pack III Front Loader

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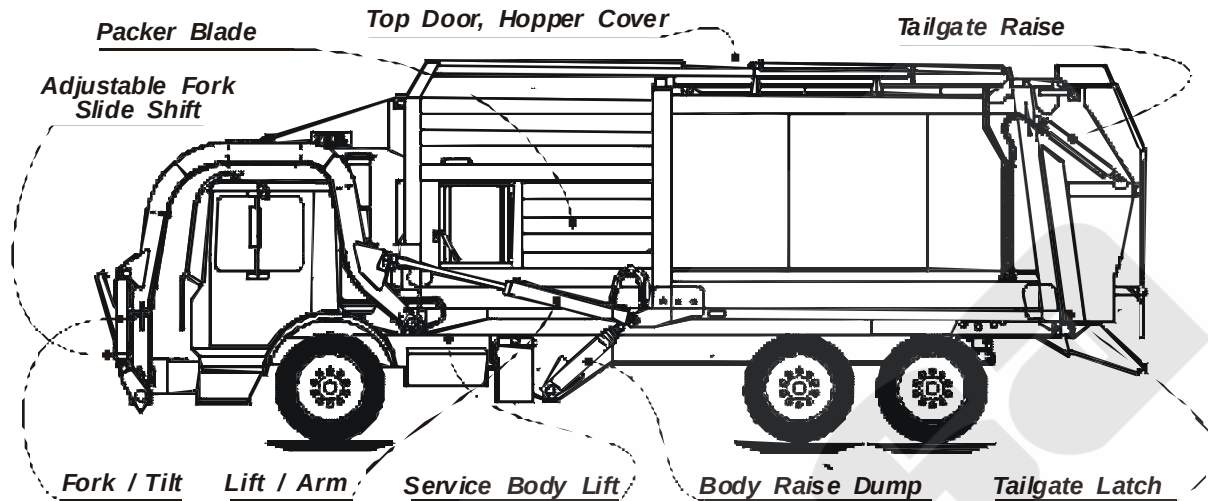


<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Packer Blade, IIIE OEM Ref P.N.'s; 1-4906, 1-5112, 1-6075, 1-6100, 1-6250, 1-6257	SD53CD-4-169	37 71933018	Telescopic		169.75
Packer Blade, IIIE 28 Yd OEM Ref P.N.'s; 1-4881, 1-4911, 1-6096, 1-6099, 1-6255, 1-6256	SD53CD-4-182	37 71933016	Telescopic		182.00
Packer Blade, IIIE 23 YD OEM Ref P.N.'s; 1-5149, 1-6078, 1-6252, 1-6316	SD53CC-41-151.5	37 71933015	Telescopic		151.50
Packer Blade, IIIE 28 Yd OEM Ref P.N.'s; 1-6318, 1-5147, 1-6076, 1-6247	SD53CC-41-182	37 71933013	Telescopic		182.00
Service Body Lift OEM Ref P.N.'s; 1-3735	N/A	N/A			
Packer Blade, IIID Gravity Dump OEM Ref P.N.'s; 1-5146, 1-6230	D55CC-6-63	37 71921033	5.50	4.00	63.00
Packer Blade, IIID Gravity Dump OEM Ref P.N.'s; 1-4882	D55DB-2-63	37 71921035	5.50	4.00	63.00
Body Raise Dump OEM Ref P.N.'s; 1-4869	D50DC-3-45	37 77921070	5.00	3.50	45.00
Body Raise Dump, Pusher Axle III OEM Ref P.N.'s; 1-4854	S63DC-80-74.18	37 71413261	Telescopic		74.19
Body Raise Dump OEM Ref P.N.'s; 1-4891, 1-6121	N/A	N/A	Telescopic		
Body Raise Dump OEM Ref P.N.'s; 1-6140	N/A	N/A	Telescopic		

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Heil Dura-Pack Half/Pack Front Loader

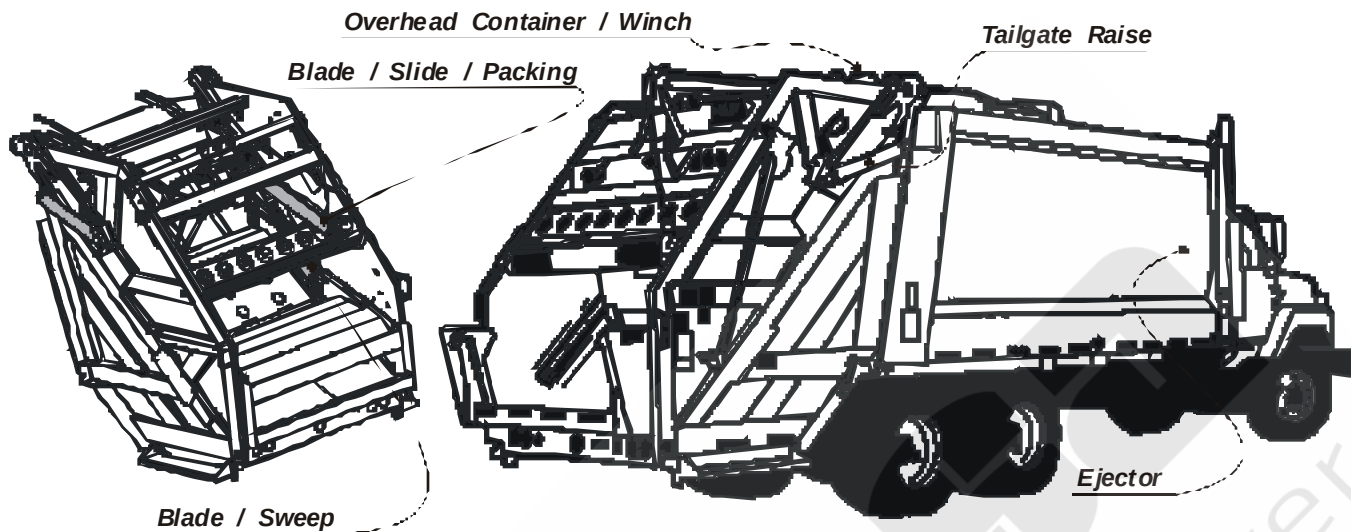
Serial Numbers HPD4501000, HPE4601000 & HPS4701000 and AFTER



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Arm / Lift OEM Ref P.N.'s; 1-5098, 1-5150, 1-6370, 1-6388	D45CC-15-41.50	3774121036	4.50	2.50	41.50
Fork / Tilt OEM Ref P.N.'s; 1-4868, 1-6384, 1-6670	D40CD-14-25	3776821084	4.00	2.00	25.00
Fork / Tilt With 3" Stop OEM Ref P.N.'s; 1-4903, 1-6369, 1-6669	D40CD-8-22	3776821067	4.00	2.00	22.00
Fork / Tilt With 6" Stop OEM Ref P.N.'s; 1-6126, 1-6385, 1-6671	N/A	N/A	4.00	2.00	19.00
Adjustable Fork / Slide Shift OEM Ref P.N.'s; 1-3798	N/A	N/A	1.50	1.00	21.00
Adjustable Fork / Slide Shift OEM Ref P.N.'s; 1-4876	N/A	N/A	1.50	1.00	
Top Door 28 Yd Body OEM Ref P.N.'s; 1-3717, 1-6386	D25LD-2-90	3772621121	2.50	1.50	90.00
Top Door 23 Yd Body OEM Ref P.N.'s; 1-3719, 1-6387	N/A	N/A	2.50	1.50	68.00
Tailgate Raise OEM Ref P.N.'s; 1-5088, 1-6521	D30CC-17-28.19	3770521108	3.00	1.75	28.18
Tailgate Latch OEM Ref P.N.'s; 1-3727, 1-6153	D30CA-2-3.62	3770521101	3.00	1.50	3.63
Packer Blade, HPD45 Gravity Dump OEM Ref P.N.'s; 1-5146, 1-6230	D55CC-6-63	3771921033	5.50	4.00	63.00
Packer Blade, HPE46 & HPS47 23 Yd OEM Ref P.N.'s; 1-5149, 1-6316, 1-6078, 1-6252	SD53CC-41-151.5	3771933015	Telescopic		151.00
Packer Blade, HPE46 & HPS47 28 Yd OEM Ref P.N.'s; 1-6318, 1-5147, 1-6076, 1-6247	SD53CC-41-182	3771933013	Telescopic		182.00
Service Body Lift, HPS47 OEM Ref P.N.'s; 1-3735	N/A	N/A			
Body Raise Dump, HPD45 Gravity Dump OEM Ref P.N.'s; 1-4891, 1-6121, 1-6425	N/A	N/A	Telescopic		

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Heil Big Bite Rear Loader



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Blade / Slide / Packing OEM Ref P.N.'s; 1-6456	D55CC-9-35.88	37 71921041	5.50	4.00	35.88
Blade / Sweep OEM Ref P.N.'s; 1-6457	D55CC-7-24	37 71921039	5.50	3.50	24.00
Tailgate Raise OEM Ref P.N.'s; 1-6570	D50LC-2-24.50	37 77921068	5.00	3.50	24.50
Tailgate Raise OEM Ref P.N.'s; 1-4880	S35CC-3-24.38	37 76815002	4.00	3.50	24.38
Overhead Container Winch Reeving OEM Ref P.N.'s; 1-6061	D55CB-6-52.88	37 71921038	5.50	4.00	52.88
Container Dump, Roll Bar OEM Ref P.N.'s; 1-4105	D25CC-10-14.12	37 72621119	2.50	1.50	14.12
Container Dump; Arm Type OEM Ref P.N.'s; 1-2105, 1-3513, 1-4283,	D30CL-3-18.44	37 70521099	3.00	1.50	18.44
Ejector Push Out, 18 Yd OEM Ref P.N.'s; 1-6429	N/A		Telescopic		
Ejector Push Out, 20 Yd OEM Ref P.N.'s; 1-6428	N/A		Telescopic		
Ejector Push Out, 25 Yd OEM Ref P.N.'s; 1-6427	SD64DC-7-133.12	37 71434058	Telescopic		133.12
Ejector Push Out, 27 Yd OEM Ref P.N.'s; 1-6426	N/A		Telescopic		147.80
Ejector Push Out, 32 Yd OEM Ref P.N.'s; 1-6421	N/A		Telescopic		173.00

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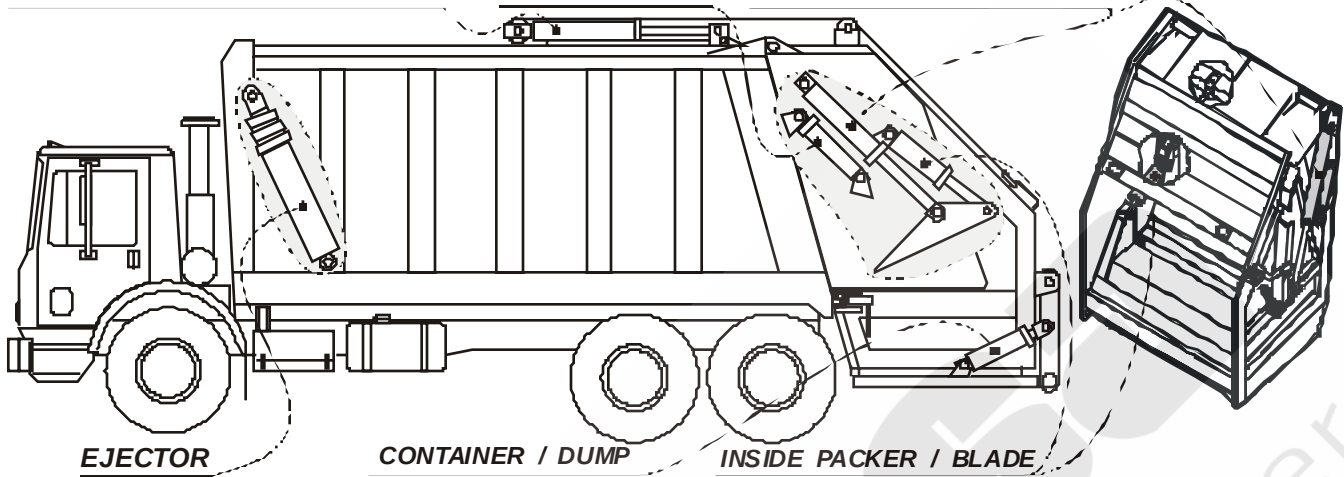
Heil Formula 5000 Rear Loader

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OVERHEAD CONTAINER / WINCH

TAILGATE RAISE

OUTSIDE PACKER / BLADE

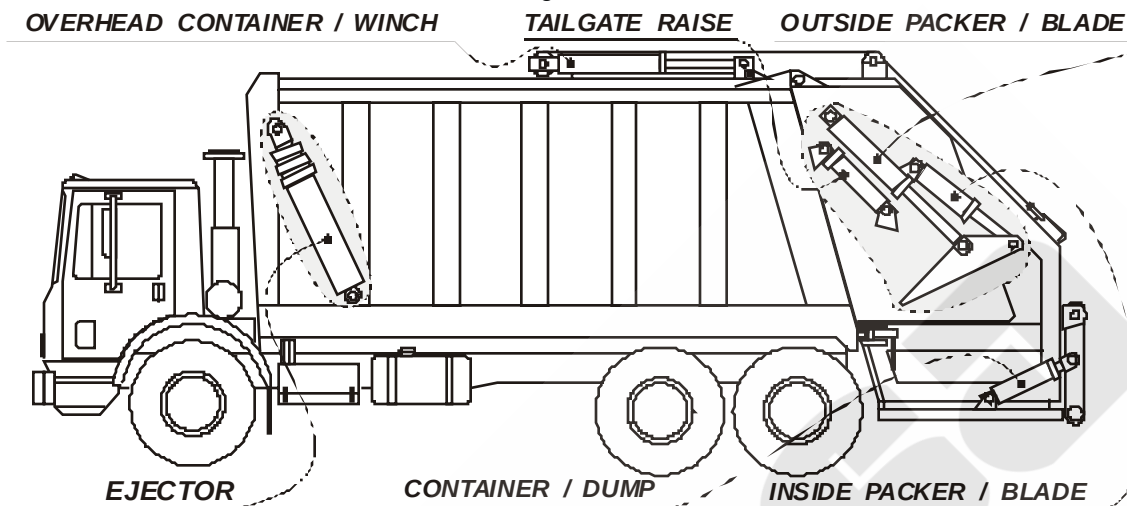


Cylinder Function	Parker Eng#	Parker Number	Bore	Rod	Stroke
Outside Packer / Blade; New Style OEM Ref P.N.'s; 1-4824, 1-4828, 1-4884, 1-5110	C3872	3790003872	5.00	2.50	36.00
Outside Packer / Blade; Old Style OEM Ref P.N.'s; 1-4824, 1-4828, 1-4884, 1-5110	D50CC-23-36	3777921065	5.00	2.50	36.00
Inside Packer / Blade Sweep; New Style OEM Ref P.N.'s; 1-4347, 1-4887, 1-5111	D55CC-10-24.25	3771921043	5.50	3.50	24.25
Inside Packer / Blade Sweep; Old Style OEM Ref P.N.'s; 1-4094	D50CC-22-20	3777921064	5.00	3.00	20.00
Tailgate Raise; S/N 2740 & AFTER OEM Ref P.N.'s; 1-4348	S35CC-2-24.75	3776815001	4.00	3.50	24.75
Tailgate Raise; FP5014001-AFTER OEM Ref P.N.'s; 1-4880	S35CC-3-24.38	3776815002	4.00	3.50	24.38
Tailgate Raise; Old Style OEM Ref P.N.'s; 1-4272	C3876	3790003876	4.00	3.50	27.00
Container Dump, Arm Type OEM Ref P.N.'s; 1-4283	D30CL-3-18.44	3770521099	3.00	1.50	18.44
Container Dump, Roll Bar OEM Ref P.N.'s; 1-4105	D25CC-10-14.12	3772621119	2.50	1.50	14.12
Container Dump, Roll Bar Flipper OEM Ref P.N.'s; 1-4264	N/A	N/A			
Overhead Container Reeving OEM Ref P.N.'s; 1-4309	D55CB-5-49.88	3771921034	5.50	4.00	49.88
Overhead Container Reeving, S/N 8725-After OEM Ref P.N.'s; 1-6189	N/A	N/A			
Overhead Container Reeving, S/N FP5014001-AFTER OEM Ref P.N.'s; 1-6061	D55CB-6-52.88	3771921038	5.50	4.00	52.75

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Heil Formula 5000 Rear Loader

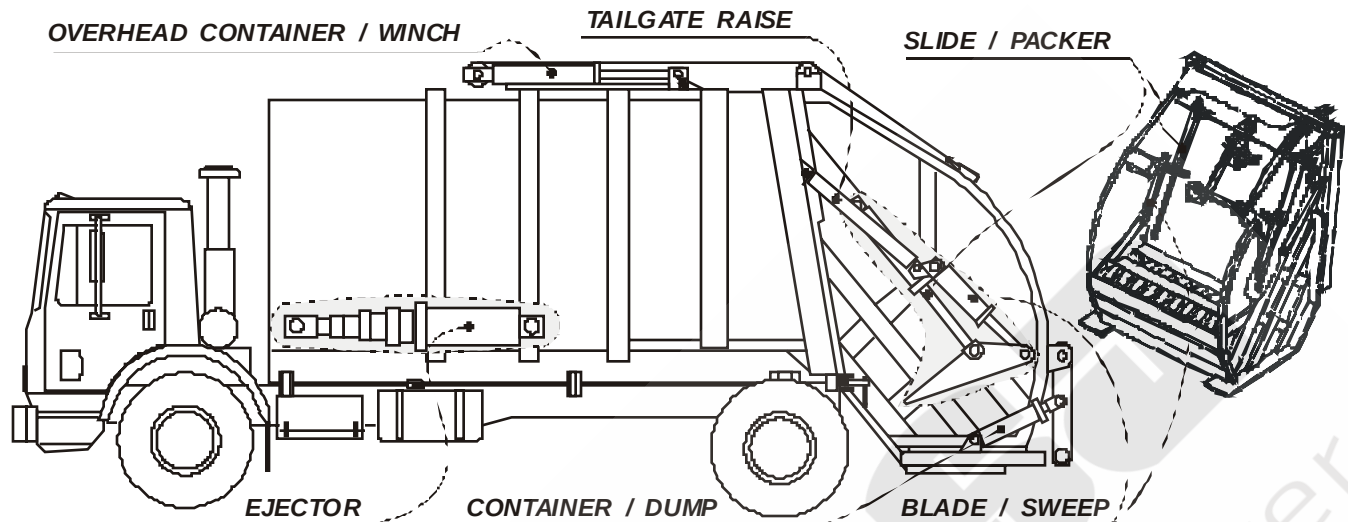
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<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Ejector / Push Out, 18 YD S/N 2912-UP OEM Ref P.N.'s; 1-4267	SD63DB-17-93	3771433942	Telescopic		93.00
Ejector / Push Out, 20 YD S/N 2912-UP OEM Ref P.N.'s; 1-4266	SD63DB-17-108	3771433929	Telescopic		108.00
Ejector / Push Out, 25 YD S/N 2912-UP OEM Ref P.N.'s; 1-4261	SD63DB-18-132	3771433933	Telescopic		132.00
Ejector / Push Out, 32 YD S/N 2912-UP OEM Ref P.N.'s; 1-4343, 1-4821	SD74DB-14-171	3771433933	Telescopic		171.00
Ejector / Push Out, 18 YD S/N FP5014001-AFTER OEM Ref P.N.'s; 1-6429	N/A	N/A	Telescopic		
Ejector / Push Out, 18 YD S/N FP5014001-AFTER OEM Ref P.N.'s; 1-6463	N/A	N/A	Telescopic		
Ejector / Push Out, 20 YD S/N FP5014001-AFTER OEM Ref P.N.'s; 1-6428	N/A	N/A	Telescopic		
Ejector / Push Out, 20 YD S/N FP5014001-AFTER OEM Ref P.N.'s; 1-6464	N/A	N/A	Telescopic		
Ejector / Push Out, 25 YD S/N FP5014001-AFTER OEM Ref P.N.'s; 1-6427	N/A	N/A	Telescopic		133.12
Ejector / Push Out, 27 YD S/N FP5014001-AFTER OEM Ref P.N.'s; 1-6426	N/A	N/A	Telescopic		147.80
Ejector / Push Out, 32 YD S/N FP5014001-AFTER OEM Ref P.N.'s; 1-6421	N/A	N/A	Telescopic		173.60

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Heil Formula 4000 / MKIV Rear Loader

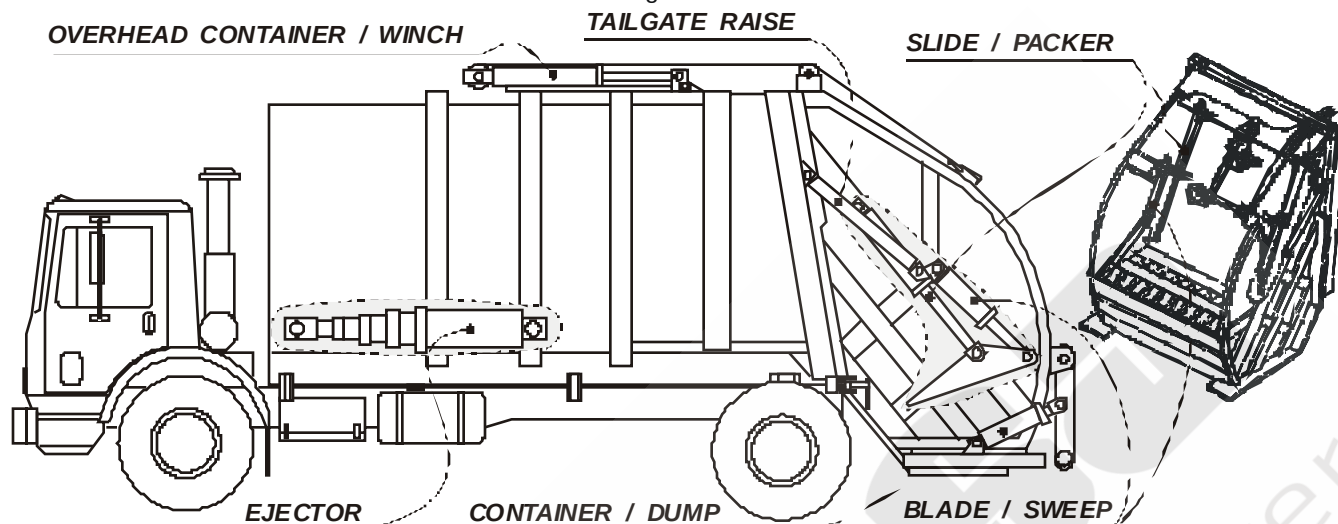


<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Blade / Sweep, Cushioned OEM Ref P.N.'s; 1-4108, 1-4334	C3847	3790003847	4.00	2.50	21.63
Blade / Sweep, Non-Cushioned Old Style OEM Ref P.N.'s; 1-2931, 1-3672, 1-3856, 1-3902, 1-4017, 1-4100	D35CC-17-21.62	3773821056	3.50	2.25	21.63
Slide / Packer, Cushioned OEM Ref P.N.'s; 1-4081, 1-4110	C3850	3790003850	4.50	2.00	26.50
Slide / Packer, Non-Cushioned Old Style OEM Ref P.N.'s; 1-2928, 1-3635, 1-3809, 1-3921, 1-4018, 1-4101	D45CC-11-26.94	3774121027	4.50	2.00	26.94
Tailgate Raise OEM Ref P.N.'s; 1-3008, 1-3623, 1-4070	B5347	3790005347	3.00	2.50	31.25
Tailgate Raise, Light Weight OEM Ref P.N.'s; 1-4336	N/A	N/A	3.00	2.50	31.25
Container Dump, Arm Type OEM Ref P.N.'s; 1-4283	D30CL-3-18.44	3770521099	3.00	1.50	18.44
Container Dump, Roll Bar OEM Ref P.N.'s; 1-4105	D25CC-10-14.12	3772621119	2.50	1.50	14.12
Container Dump, Roll Bar Flipper OEM Ref P.N.'s; 1-5069	N/A	N/A			
Overhead Container Reeving OEM Ref P.N.'s; 1-4309	D55CB-5-49.88	3771921034	5.50	4.00	49.88
Overhead Container Reeving, S/N 4F-1014878 OEM Ref P.N.'s; 1-6189	N/A	N/A			

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Heil Formula 4000 / MKIV Rear Loader

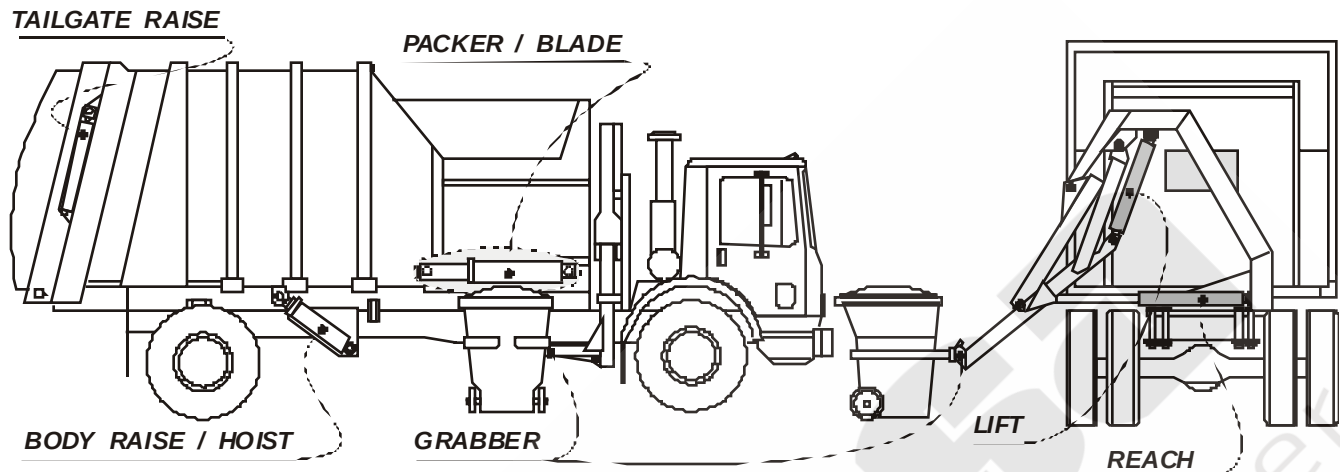
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Cylinder Function	Parker Eng#	Parker Number	Bore	Rod	Stroke
Ejector / Pushout, 13 YD OEM Ref P.N.'s; 1-1348, 1-3835, 1-4051	N/A		Telescopic		89.38
Ejector / Pushout, 16 YD OEM Ref P.N.'s; 1-1281, 1-3834, 1-4052	SD53 CC-25-106	3771533051	Telescopic		106.00
Ejector / Pushout, 18 YD OEM Ref P.N.'s; 1-3391, 1-3836, 1-4053	SD64 CC-7-118	3771434037	Telescopic		118.00
Ejector / Pushout, 20 YD OEM Ref P.N.'s; 1-1344, 1-3830, 1-3871, 1-4050	SD64 CC-11-132	3771434052	Telescopic		132.00
Ejector / Pushout, 25 YD OEM Ref P.N.'s; 1-2123, 1-3843, 1-4054	SD64 CC-11-152	3771434053	Telescopic		152.00
Ejector / Pushout, 13 YD Snout Less OEM Ref P.N.'s; 1-3741, 1-6222	N/A		Telescopic		64.75
Ejector / Pushout, 16 YD Snout Less OEM Ref P.N.'s; 1-3742, 1-6223	N/A		Telescopic		81.63
Ejector / Pushout, 18 YD Snout Less OEM Ref P.N.'s; 1-6224	N/A		Telescopic		96.12
Ejector / Pushout, 20 YD Snout Less OEM Ref P.N.'s; 1-6225	SD64 DC-6-110.34	3771434056	Telescopic		110.34
Ejector / Pushout, 25 YD Snout Less OEM Ref P.N.'s; 1-6226	N/A		Telescopic		129.00

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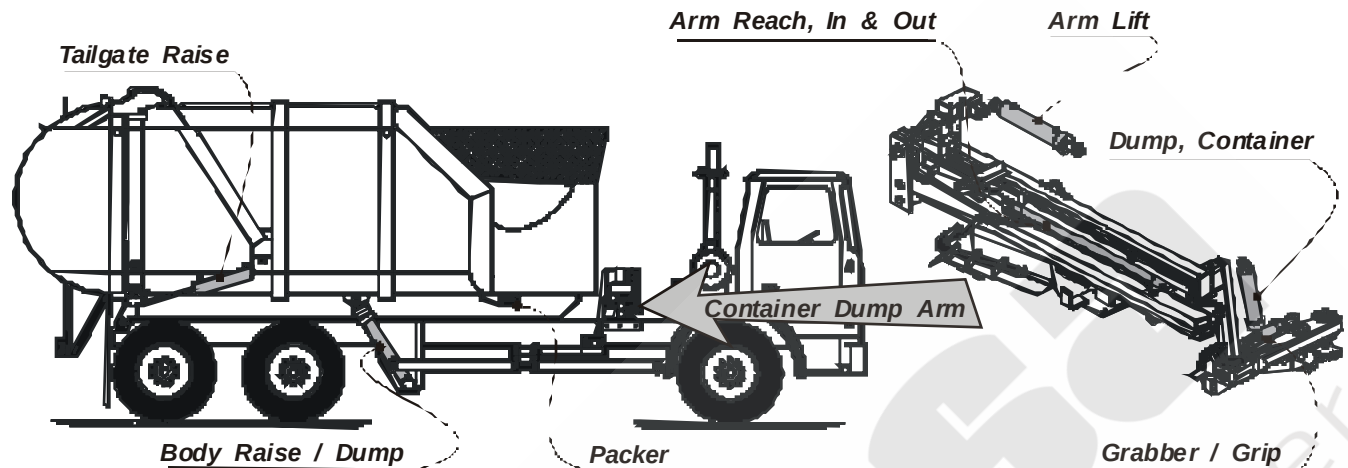
Heil Formula 7000 Automated Side Loader



Cylinder Function	Parker Eng#	Parker Number	Bore	Rod	Stroke
Arm Lift OEM Ref P.N.'s: 1-4275, 1-4338, 1-6582	C3576	3790003576	3.00	1.50	27.62
Arm Reach OEM Ref P.N.'s: 1-4276	C3602	3790003602	3.00	1.50	30.50
Arm Reach OEM Ref P.N.'s: 1-6094, 1-6364	D30CC-16-30.50	3770521106	3.00	1.50	30.50
Grabber OEM Ref P.N.'s: 1-4277, 1-4327	C3603	3790003603	3.00	1.50	11.00
Grabber; Rapid Rail Arm OEM Ref P.N.'s: 1-6169, 1-6330, 1-6331, 1-6402, 1-6416	D30CC-18-8.00	3770521110	3.00	1.12	8.00
Grabber OEM Ref P.N.'s: 1-4297	C3875	3790003875	3.00	1.50	11.00
Tailgate Raise OEM Ref P.N.'s: 1-4123, 1-4305	C4438	3790004438	3.00	1.50	25.25
Tailgate Raise OEM Ref P.N.'s: 1-5088, 1-6521	D30CC-17-28.19	3770521108	3.00	1.50	28.19
Tailgate Latch OEM Ref P.N.'s: 1-3727, 1-6153	D30CA-2-3.62	3770521101	3.00	1.50	3.63
Packer / Full Eject, 27 Yd OEM Ref P.N.'s: 1-5149, 1-6078, 1-6252, 1-6316	SD53CC-41-151.5		Telescopic		151.50
Packer / Full Eject, 31 Yd OEM Ref P.N.'s: 1-5147, 1-6067, 1-6076, 1-6247, 1-6318	SD53CC-41-182	3771933013	Telescopic		182.00
Packer / Full Eject, 27 Yd OEM Ref P.N.'s: 1-5148, 1-6077, 1-6251	N/A		Telescopic		138.00
Packer / Dump Unit OEM Ref P.N.'s: 1-4298, 1-4299, 1-4878	C3563	3790003563	5.50	4.00	54.13
Packer / Dump Unit, Rapid Rail Durapack OEM Ref P.N.'s: 1-4915, 1-6560	D50CC-24-34.19	3777921069	5.50	3.50	34.19
Body Raise / Dump OEM Ref P.N.'s: 1-2039, 1-4807, 1-6157, 1-6191	N/A		Telescopic		56.07

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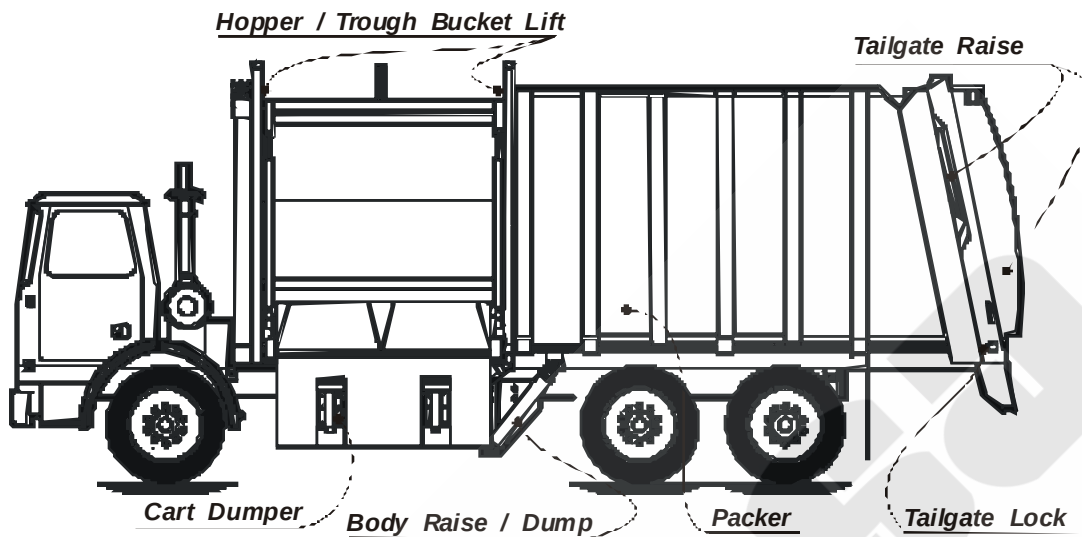
Heil / Rapid Rail Automated Side Loader



Cylinder Function	Parker Eng#	Parker Number	Bore	Rod	Stroke
Grabber / Grip OEM Ref P.N.; 1-6169, 1-6330, 1-6331, 1-6402, 1-6416	B5655	3790005655	2.00	1.12	8.00
Arm Reach / In & Out OEM Ref P.N.; 1-6162, 1-6194, 1-6399, 1-6403	B5799	3790005799	1.75	1.12	71.88
Arm Lift OEM Ref P.N.; 1-6161, 1-6404	B5653	3790005653	3.00	2.00	16.06
Dump, Container OEM Ref P.N.; 1-6160, 1-6407	B5654	3790005654	3.00	1.12	8.00
Packer OEM Ref P.N.'s; 1-6164, 1-6406, 1-6581	B5873	3790005873	5.00	1.50	43.00
Tailgate Raise OEM Ref P.N.'s; 1-6163, 1-6405, 1-6554	B5866	3790005866	3.00	1.12	18.50
Body Raise / Dump OEM Ref P.N.'s; 100-14-1610	N/A		Telescopic		55.38

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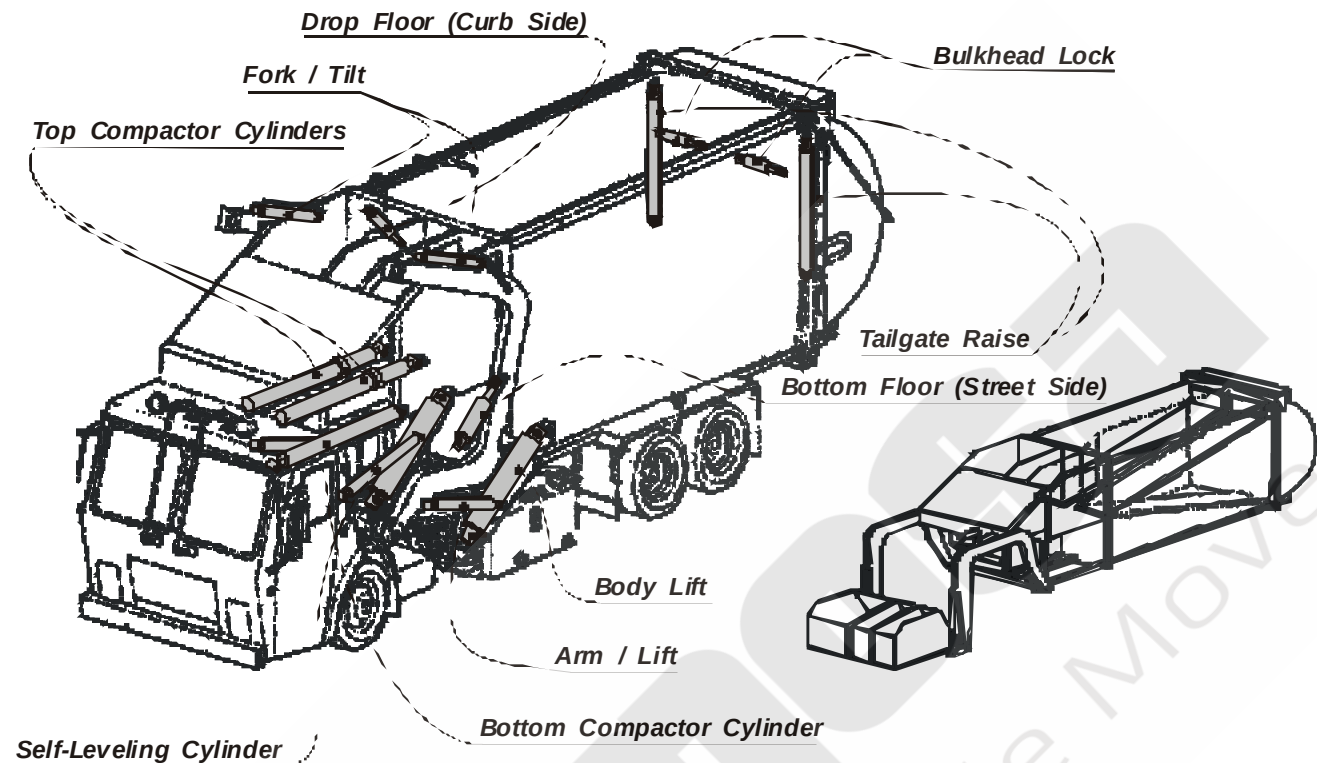
Heil Recycle 2000 Recycling Body



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Hopper / Trough Bucket Lift OEM Ref P.N.'s; 1-6070, 1-6142	D30CC-13-21.62	37 70521098	3.00	1.580	21.62
Packer OEM Ref P.N.'s; 1-6069	D40CD-13-37	37 76821078	4.00	2.50	37.00
Tailgate Raise, Upper OEM Ref P.N.'s; 1-2105, 1-3513, 1-4283	D30CL-3-18.44	37 70521099	3.00	1.50	18.44
Tailgate Raise, Lower OEM Ref P.N.'s; 1-3778	D30CL-4-23.25	37 70521100	3.00	1.50	23.19
Tailgate Latch OEM Ref P.N.'s; 1-3727, 1-6153	D30CA-2-3.62	37 70521101	3.00	1.50	3.63
Body Raise / Dump, 33 YD OEM Ref P.N.'s; 1-2039, 1-4807, 1-6157, 1-6191	S52CC-34-54.62	37 71512081	Telescopic		56.00
Body Raise / Dump, 38 YD OEM Ref P.N.'s; 1-6117	S63DC-79-67	37 71413260	Telescopic		67.00
Cart Dumper OEM Ref P.N.'s	N/A				

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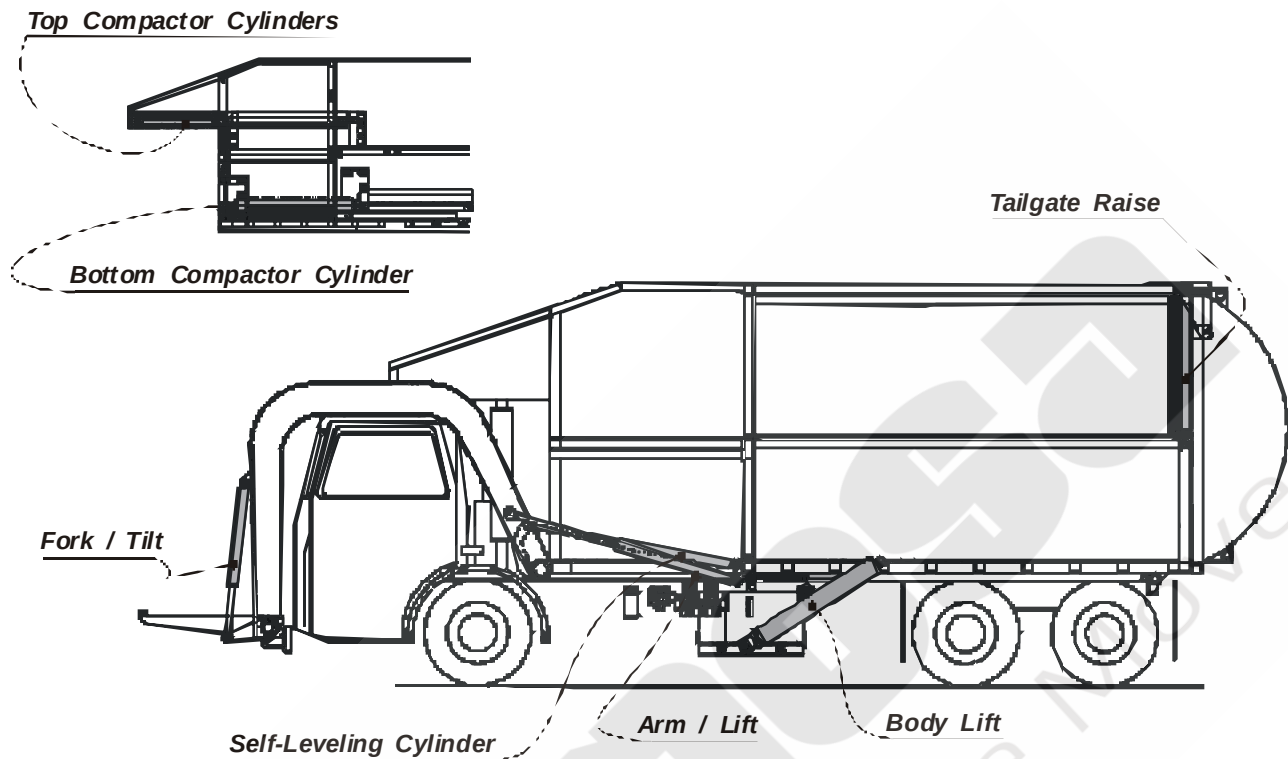
Kann Manufacturing CoCollector



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Arm / Lift (Non-Digitrak) OEM Ref P.N.; 1400135	B6148	3790006148	3.50	2.00	38.00
Arm / Lift, (Digitrak) OEM Ref P.N.; 1400136	B5773	3790005773	3.50	2.00	38.00
Fork / Tilt OEM Ref P.N.; 1400101	D30CD-10-28	3770521102	3.00	1.75	28.00
Self-Leveling; Fork OEM Ref P.N.; 1400102, 3701054	B4775	3790004775	3.00	1.75	36.00
Top Compactor OEM Ref P.N.; 1400121	B5609	3790005609	4.00	2.50	72.00
Bottom Compactor OEM Ref P.N.; 1400106	C4774	3790004774	6.50	4.00	66.00
Tailgate Raise OEM Ref P.N.; 1400128	B5642	3790005642	3.00	1.75	36.00
Drop Floor (Curb Side) OEM Ref P.N.; 1400119	D35LL-8-16	3790005424	3.50	2.00	16.00
Drop Floor (Street Side) OEM Ref P.N.; 1400118	D35LL-7-16	3790005423	3.50	2.00	16.00
Bulkhead Lock OEM Ref P.N.; 1400046	N/A		2.00		
Body Lift OEM Ref P.N.; 1400147	SD52CB-3-84	3771532070	Telescopic		84.00
Body Lift, 23 Yard Body OEM Ref P.N.; 1400148	SD52CB-3-70	3771532069	Telescopic		70.00

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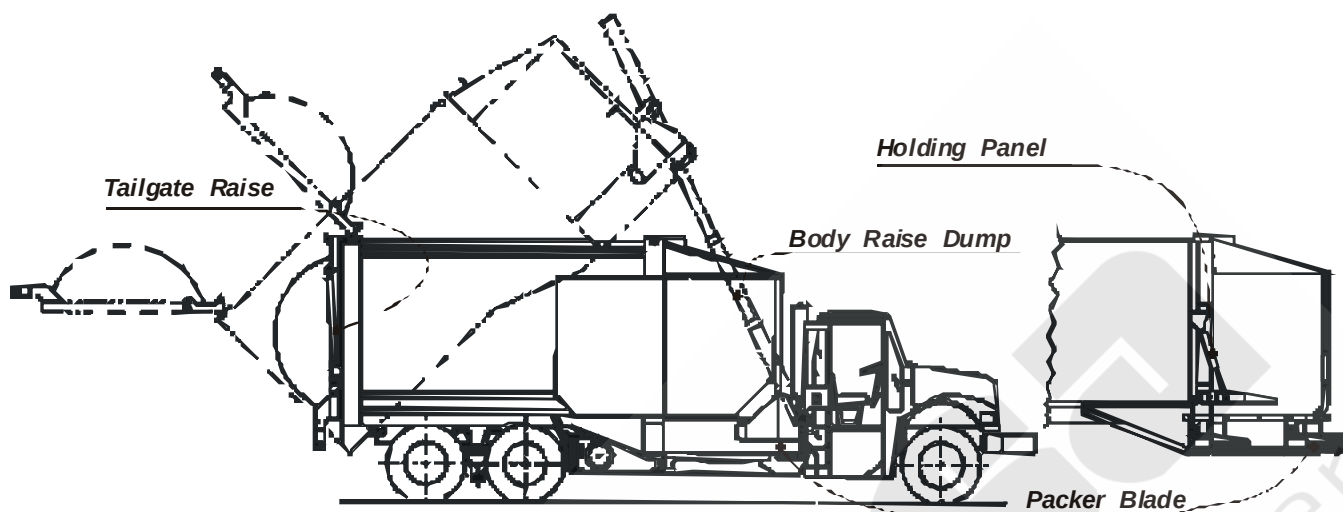
Kann Manufacturing One Pass



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Arm / Lift OEM Ref P.N.; 1400103	B4773	3790004773	3.50	2.00	38.00
Fork / Tilt OEM Ref P.N.; 1400101	D30CD-10-28	3770521102	3.00	1.75	28.00
Self-Leveling; Fork OEM Ref P.N.; 1400102, 3701054	B4775	3790004775	3.00	1.75	36.00
Top Compactor OEM Ref P.N.; 1400104, P4074-1	SD52CC-29-72	3771532074	Telescopic		72.00
Bottom Compactor OEM Ref P.N.; 1400106	C4774	3790004774	6.50	4.00	66.00
Tailgate Raise OEM Ref P.N.; 1400102	B4775	3790004775	3.00	1.75	36.00
Body Lift OEM Ref P.N.; 1400105, P4073-1	SD62CB-13-84	3771432080	Telescopic		84.00

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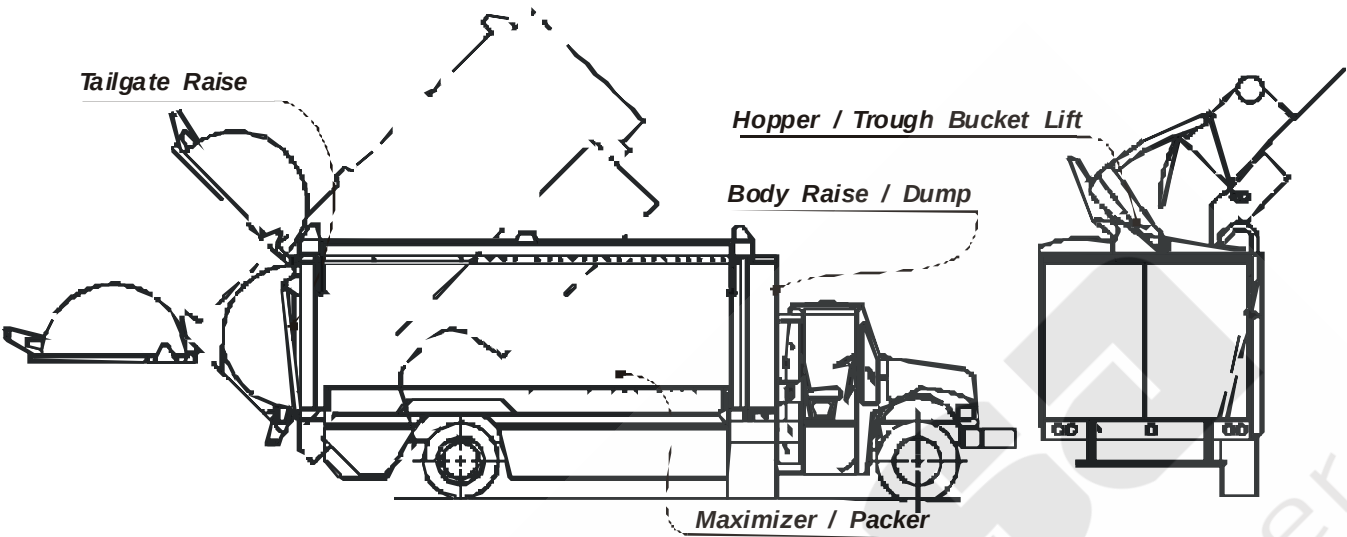
Labrie Expert 2000 Manual Side Loader



Cylinder Function	Parker Eng#	Parker Number	Bore	Rod	Stroke
Packer Blade OEM Ref P.N.'s; HYC00510	D50 DC-4-40	377152 1170	5.00	3.00	40.00
Holding Panel, Crusher Panel OEM Ref P.N.'s; HYC00360	D25 DD-6-14.50	377262 1141	2.50	1.50	14.50
Tailgate Raise OEM Ref P.N.'s; HYC00320	D25 LC-2-38.94	377262 1139	2.50	1.75	38.81
Body Raise / Dump OEM Ref P.N.'s; HYC01450-01	N/A		Telescopic		
Body Raise / Dump OEM Ref P.N.'s; HYC01425-01	N/A		Telescopic		

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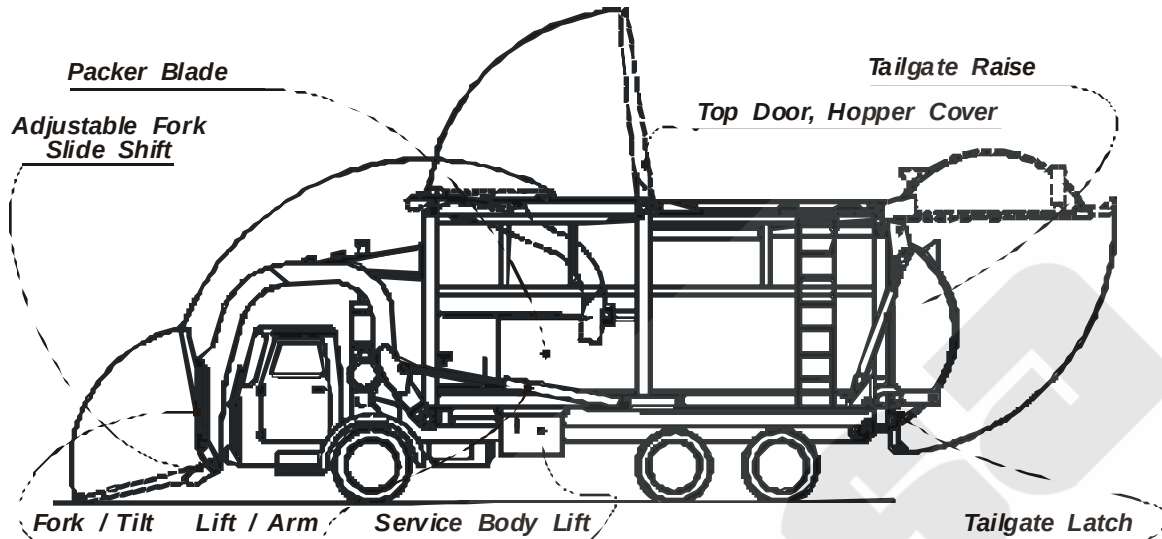
Labrie Equipment Top Select Recycling Body



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Hopper / Trough Bucket Lift, Loading OEM Ref P.N.'s; HYC01550	D32CC-12-15.50	37 70721133	3.25	1.50	15.50
Maximizer / Packer OEM Ref P.N.'s; HYC02300	D50DC-5-84.13	37 77921074	5.00	3.00	84.13
Tailgate Raise OEM Ref P.N.'s; HYC00315	D25LC-3-28	37 72621140	2.50	1.50	28.00
Body Raise / Dump OEM Ref P.N.'s; HYC02010	N/A		Telescopic		

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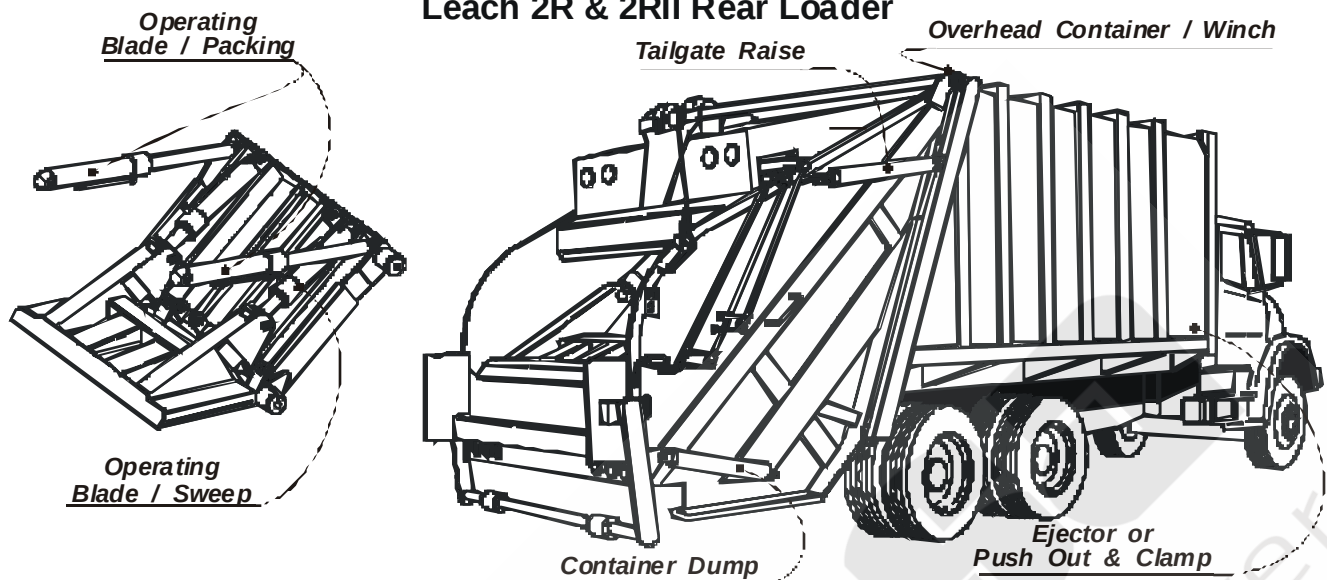
Leach FL104 & Millennium Front Loader



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Arm / Lift; Commercial 100" Arm Width OEM Ref P.N.'s; 306459, 306635	D45CL-2-42	3774121028	4.50	2.50	42.00
Arm / Lift; Residential 100" Arm Width OEM Ref P.N.'s; 306636, 305241, 305240, 306465	D45CL-2-44.25	3774121029	4.50	2.50	44.25
Arm / Lift; Commercial 96" Arm Width OEM Ref P.N.'s; 305112, 305127, 306463, 306464, 306633	D45CC-13-42	3774121030	4.50	2.50	42.00
Arm / Lift; Residential 96" Arm Width OEM Ref P.N.'s; 306634	D45CC-13-44.25	3774121031	4.50	2.50	44.25
Fork / Tilt; Commercial OEM Ref P.N.'s; 307534	D35CD-9-26.75	3773821061	3.50	2.00	26.75
Fork / Tilt; Residential OEM Ref P.N.'s; 601131	N/A				
Top Door; Sliding Short Wheel Base OEM Ref P.N.'s; 306462	D25CC-12-87.50	3772621126	2.50	1.50	87.50
Top Door; Sliding Long Wheel Base OEM Ref P.N.'s; 306462	D25CC-12-100.50	3772621127	2.50	1.50	100.50
Top Door; Hinged OEM Ref P.N.'s; 305960, 306466	D20CL-2-12.75	3770121132	2.00	1.25	12.75
Tailgate Raise OEM Ref P.N.'s; 306460	D30LD-5-28.62	3770521095	3.00	2.00	28.63
Packer Blade, Short Wheel Base OEM Ref P.N.'s; 305111, 305687	SD63CC-29-146	3771433077	Telescopic		146.00
Packer Blade, Long Wheel Base OEM Ref P.N.'s; 302525, 303407, 304000, 305688	SD63CC-48-166.94	3771433941	Telescopic		167.00
Service Body Lift OEM Ref P.N.'s; 302385	D30DD-13-14.25	3770521096	3.00	1.50	14.25

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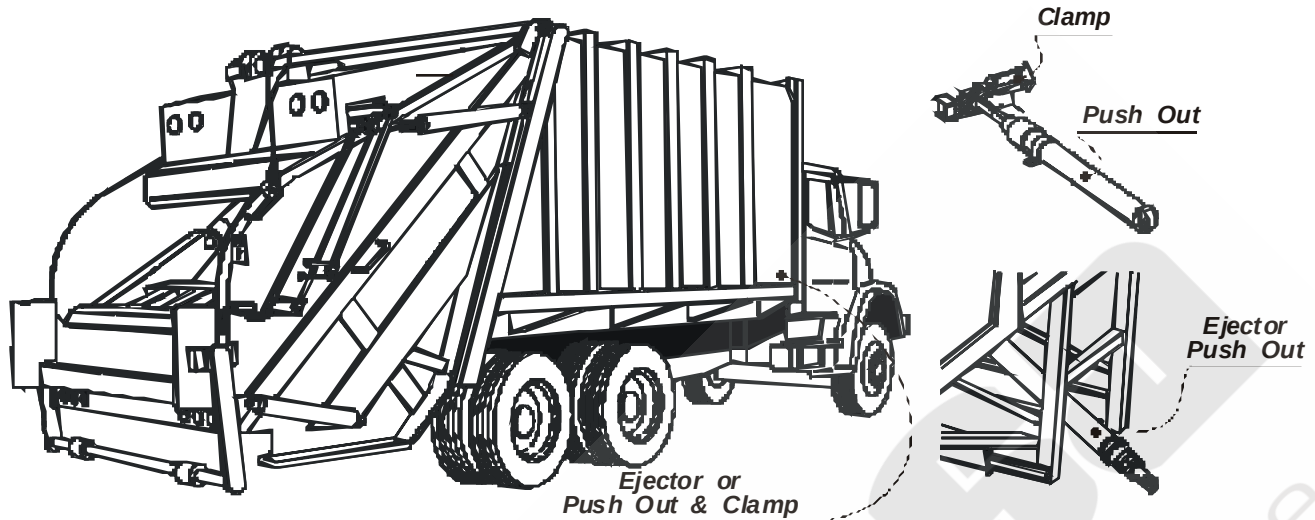
Leach 2RII Rear Loader



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Operating, Blade Packing & Sweep: SN 0001-8993 OEM Ref P.N.'s: 2R1006A, 304805	D60DC-11-30.50	3771421219	6.00	4.50	30.25
Operating, Blade Packing & Sweep: SN 8997-10999 OEM Ref P.N.'s: 2R1008R, 32046, 300679, 300900, 300990, 303904, 305827, 306562	D60DC-10-30.50	3771421216	6.00	4.50	30.25
Operating, Blade Packing & Sweep: SN 11000-15999 OEM Ref P.N.'s: 304168, 307081	D60BC-2-30.31	3771421218	6.00	4.50	30.25
Operating, Blade Packing & Sweep: SN 16000-UP OEM Ref P.N.'s: 700081	D60BC-3-30.31	3771421224	6.00	4.50	30.25
Operating, Blade / Sweep, Tag Axle: SN 11000-15999 OEM Ref P.N.'s: 307082	D60BC-2-27.81	3771421229	6.00	4.50	27.81
Tailgate Raise: SN 0001-15999 OEM Ref P.N.'s: PO265, 400753, 401056, 402160, 402324, 405089, 405114, 406369, 406399, 406639, 601429	D40CL-2-39.38	3790003884	4.00	2.25	39.38
Tailgate Raise: SN 16000-UP OEM Ref P.N.'s: 210629, 701479	S35CL-2-32.69	3776815003	4.00	3.50	32.69
Tailgate Latch: SN 16000-UP OEM Ref P.N.'s: 306845	N/A				
Overhead Container Winch Reeving: SN 0001-UP OEM Ref P.N.'s: 305975, 402087, 406582	D60CF-2-57	3771421223	6.00	4.50	57.00
Container Dump: SN 0001-15999 OEM Ref P.N.'s: 15373, 401207, 405964, 605250	D40CD-11-15	3776821074	4.00	2.00	15.00
Container Dump Standard: SN 16000-UP OEM Ref P.N.'s: 407028	D40CL-3-23.50	3776821076	4.00	2.00	23.38
Container Dump Tag Axle: SN 16000-UP OEM Ref P.N.'s: 605252	N/A				

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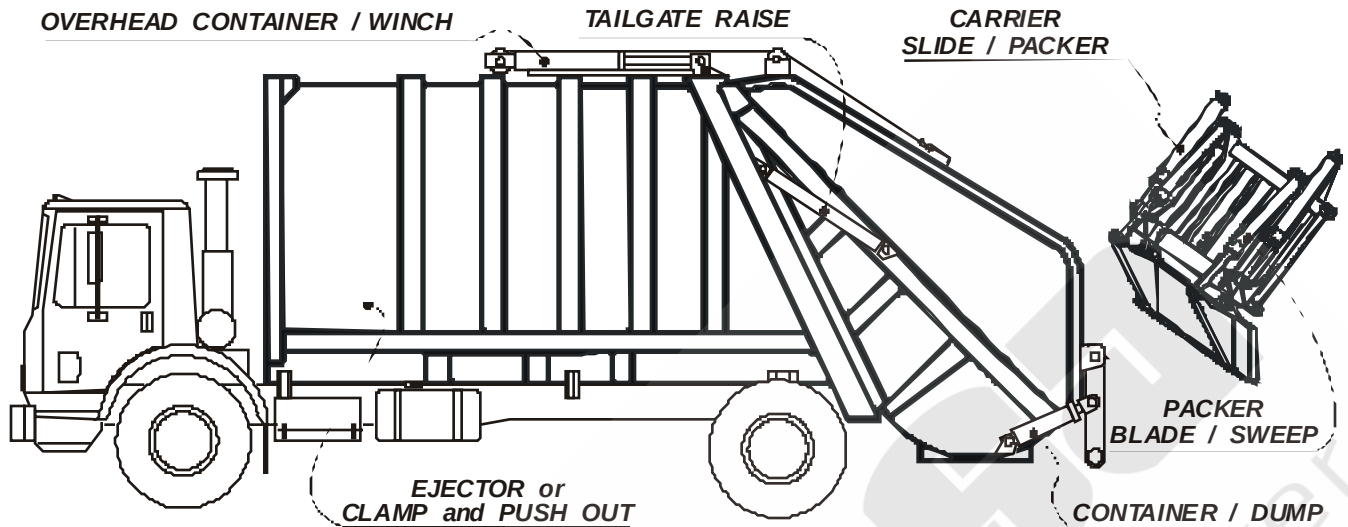
Leach 2R & 2RII Rear Loader



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Push Out, Clamp Style: SN 0001-15999 OEM Ref P.N.'s: PO1166, 41354, 41357, 3059 72, 400383, 406368	D60CF-3-32.38	3771421225	6.00	4.50	33.88
Clamp, Clamp Style: SN 0001-15999 OEM Ref P.N.'s: 400496, 406370	S21LL-2-1.5	3771411106	6.00	1.75	1.50
Ejector Push Out, 20Yd: SN 0001-9719 OEM Ref P.N.'s: 41297	SD84CC-11-104	3772934012	Telesco pic		104.00
Ejector Push Out, 25 Yd: SN 0001-9719 OEM Ref P.N.'s: 41296, 41298	SD85CC-15-125	3772935003	Telesco pic		125.00
Ejector Push Out, 31 Yd: SN 0001-9719 OEM Ref P.N.'s: 39726	SD86CC-1-171	3772936001	Telesco pic		171.00
Ejector Push Out, 20Yd: SN 9720-Up OEM Ref P.N.'s: 209785	SD63DC-71-81	3771413226	Telesco pic		82.84
Ejector Push Out, 25 Yd: SN 9720Up OEM Ref P.N.'s: 209786	SD63DC-19-101	3771433937	Telesco pic		101.75
Ejector Push Out, 29 Yd: SN 9720-Up OEM Ref P.N.'s: 704045	N/A				
Ejector Push Out, 31 Yd: SN 9720-Up OEM Ref P.N.'s: 209787	SD64DC-5-145	3771434054	Telesco pic		145.00
Ejector Push Out, 33 Yd: SN 9720-Up OEM Ref P.N.'s: 210847	SD64DC-5-156	3771434055	Telesco pic		156.64
For Horizontal "Demolition" type Ejector Push Out, refer to SN 0-9719					

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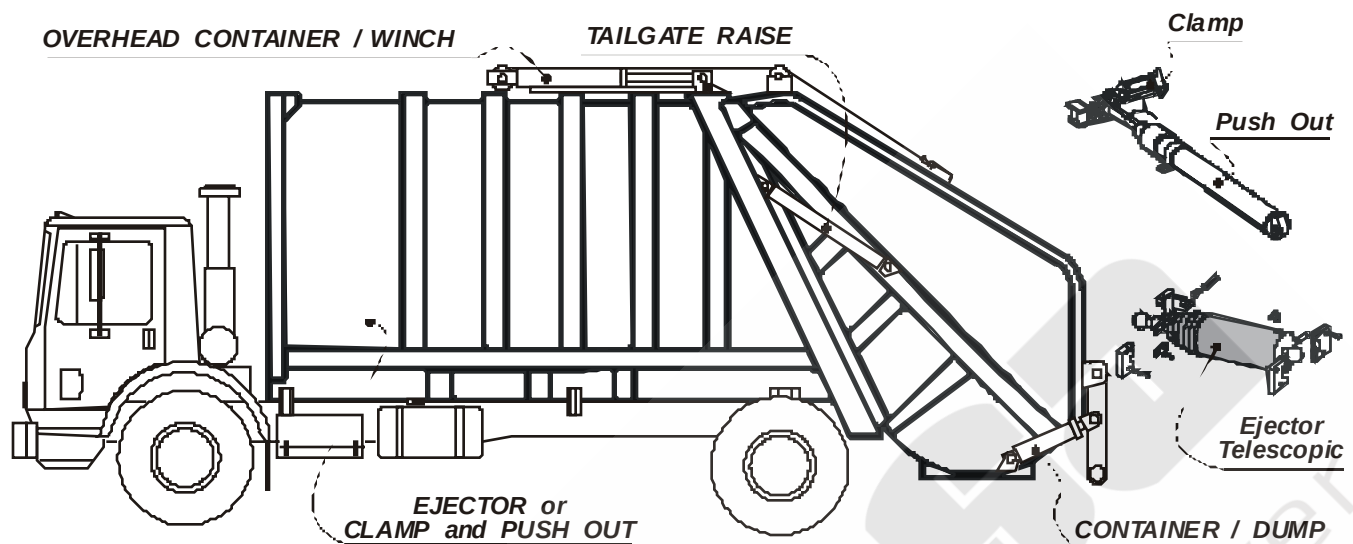
Leach Alpha, Beta and Delta Rear Loader



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Packer, Blade / Sweep: Alpha S/N 3500-Up OEM Ref P.N.'s; 210658	D45CC-16-32.50	37 74121037	4.50	2.50	32.50
Packer, Blade / Sweep: Alpha S/N1- 3499, Beta 1-Up OEM Ref P.N.'s; 404411, 406578	D50CB-9-32.50	37 77921067	5.00	3.50	32.50
Packer, Blade / Sweep: Delta OEM Ref P.N.'s; 601366	N/A				
Slide / Packer: Alpha S/N 3500-Up OEM Ref P.N.'s; 210659	D55CC-8-37	37 71921040	5.50	2.50	37.00
Slide / Packer: Alpha S/N1- 3499, Beta 1-Up OEM Ref P.N.'s; 401965, 402735, 406577	N/A		6.00		
Slide / Packer: Delta OEM Ref P.N.'s; 210628	N/A				
Tailgate Raise: Alpha & Beta S/N 3500-Up OEM Ref P.N.'s; 210629, 701479	S35CL-2-32.69	37 76815003	4.00	3.50	32.69
Tailgate Raise: Alpha & Beta S/N 1-3499 OEM Ref P.N.'s; 402051, 405112, 406579	N/A				
Tailgate Raise OEM Ref P.N.'s; 402050	N/A				
Container Dump; S/N 1-3499 OEM Ref P.N.'s; 605600	N/A				
Container Dump; Alpha & Beta S/N 3500-Up OEM Ref P.N.'s; 407028	D40CL-3-23.50	37 76821076	4.00	2.00	23.50
Container Dump OEM Ref P.N.'s; 401967	N/A				
Container Dump OEM Ref P.N.'s; 401982	N/A				
Overhead Container Reeving OEM Ref P.N.'s; 305975, 402087, 406582	D60CF-2-57	37 71421223	6.00	4.50	57.00

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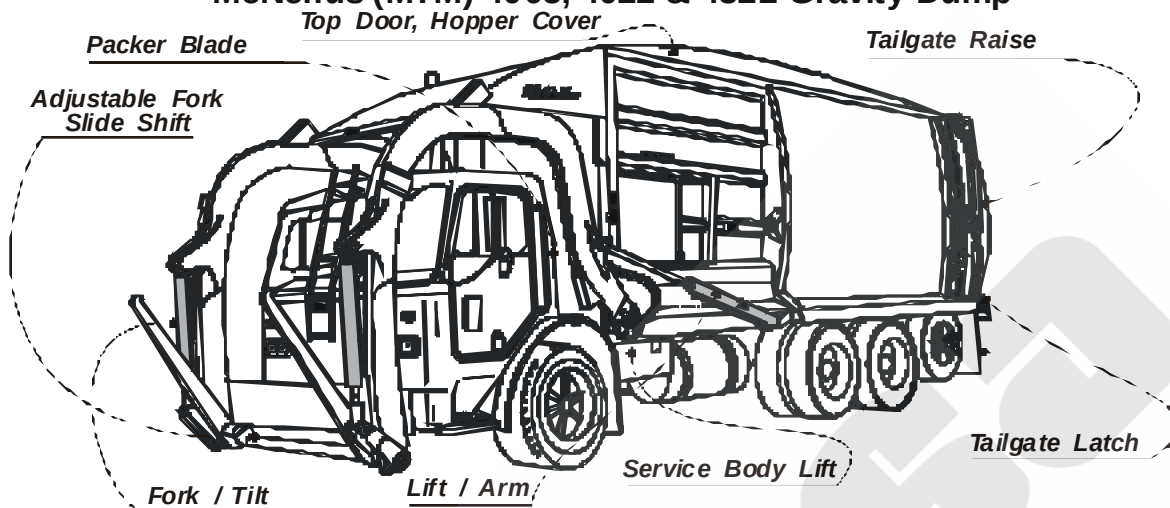
Leach Alpha, Beta and Delta Rear Loader



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Ejector Push Out, 14 Yd S/N 3500-Up OEM Ref P.N.'s; 210630-1	N/A				
Ejector Push Out, 16 Yd S/N 1-3499 OEM Ref P.N.'s; 200870	SD6400-1-87	37 71434023	Telescopic		87.00
Ejector Push Out, 16 Yd S/N 3500-Up OEM Ref P.N.'s; 210630-2	N/A				
Ejector Push Out, 18 Yd S/N 1-3499 OEM Ref P.N.'s; 200869	SD7500-1-100	37 72535004	Telescopic		100.00
Ejector Push Out, 18 Yd S/N 3500-Up OEM Ref P.N.'s; 210630-3	N/A				
Ejector Push Out, 20 Yd S/N 1-3499 OEM Ref P.N.'s; 200868	SD7500-3-110.94	37 72535014	Telescopic		111.00
Ejector Push Out, 20 Yd S/N 3500-Up OEM Ref P.N.'s; 210630-4	N/A				
Ejector Push Out, 25 Yd S/N 1-3499 OEM Ref P.N.'s; 201500	SD8600-1-146	37 72936002	Telescopic		146.00
Ejector Push Out, 25 Yd S/N 3500-Up OEM Ref P.N.'s; 210630-5	N/A				
Ejector Clamp, Clamp Style S/N 3500-Up OEM Ref P.N.'s; 303163, 406580	N/A				
Ejector Push Out, Clamp Style S/N 3500-Up OEM Ref P.N.'s; 403260	N/A				

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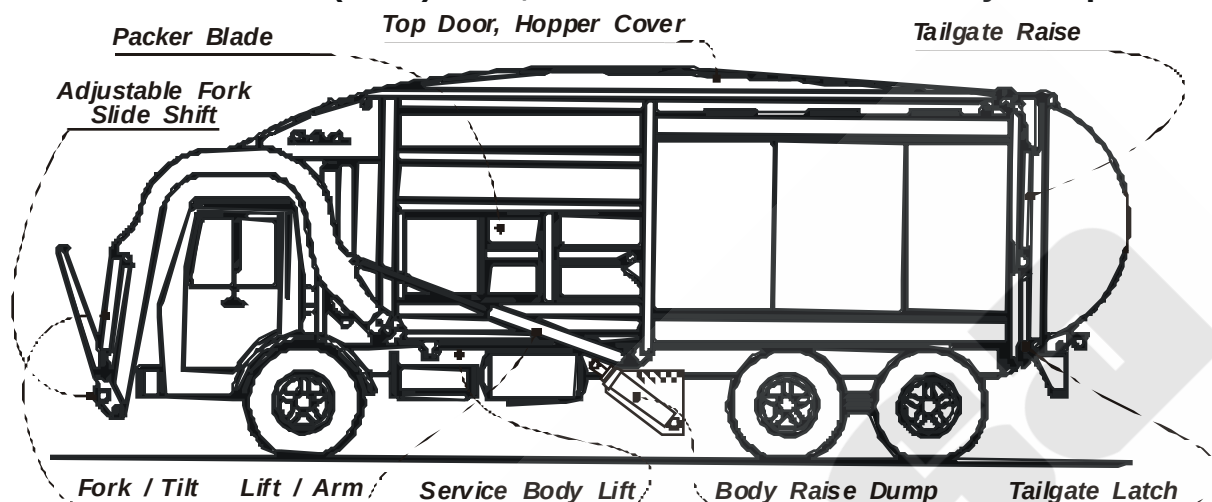
McNeilus (MTM) 4004, 4304, 4504, 4020, 4320 & 4520 Full Eject McNeilus (MTM) 4005, 4022 & 4322 Gravity Dump



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Arm / Lift OEM Ref P.N.'s; 9570.614366	D4496	3790004496	4.50	2.50	46.00
Arm / Lift OEM Ref P.N.'s; 9272.604120, 9570.604120	D4195	3790004195	5.00	2.50	44.55
Arm / Lift OEM Ref P.N.'s; 0619891, 1000069, 9570.614380, 9570.619891	B5788	3790005788	4.50	2.00	46.00
Fork / Tilt OEM Ref P.N.'s; 0614333, 1000068, 9070.614333, 9570.614333	D35CC-16-26	3790004398	3.50	2.00	26.00
Fork / Tilt, Threaded Rod Eye OEM Ref P.N.'s; 9272.604121, 9570.604121	D4131	3790004131	4.00	2.00	26.00
Fork / Tilt, with Special Valving OEM Ref P.N.'s; 9570.619980	B5864	3790005864	3.50	2.00	26.00
Adjustable Fork / Slide Shift OEM Ref P.N.'s; 0617862, 9570.617862	B4708	3790004708	2.00	1.25	20.00
Top Door OEM Ref P.N.'s; 0614371, 0660778, 1000160, 1000077, 9170.614371, 9170.660778, 9172.604147	B4388	3790004388	2.00	1.50	95.00
Tailgate Raise OEM Ref P.N.'s; 0619881, 1000066, 9370.614365, 9370.619881, 9370.914365	C5219	3790005219	3.25	2.00	31.00
Tailgate Raise OEM Ref P.N.'s; 0619882, 1000067, 1144707, 9272.604127, 9370.604127, 9370.619882	C5220	3790005220	3.25	2.00	38.00
Packer Blade, 40 Yd Full Eject OEM Ref P.N.'s; 0604124, 1000081, 9270.604124, 9272.604124, 9370.604124, 9470.604124	D4145	3790004145	Telescopic		164.00
Packer Blade, 45 Yd Full Eject OEM Ref P.N.'s; 0614374, 1100116, 9270.614374	D5820	3790005820	Telescopic		170.00
Service Body Lift OEM Ref P.N.'s; 1000078, 9170.619884	C4542	3790004542	2.88	2.50	16.00
Packer Blade, Gravity Dump OEM Ref P.N.'s; 0604126, 1100038, 9270.604126, 9272.604126	D4210	3790004210	6.00	4.00	65.75
Body Raise, Gravity Dump OEM Ref P.N.'s; 0642852, 9170.642852, 9770.640888	S53DB-15-63.12	3771513158	Telescopic		63.12

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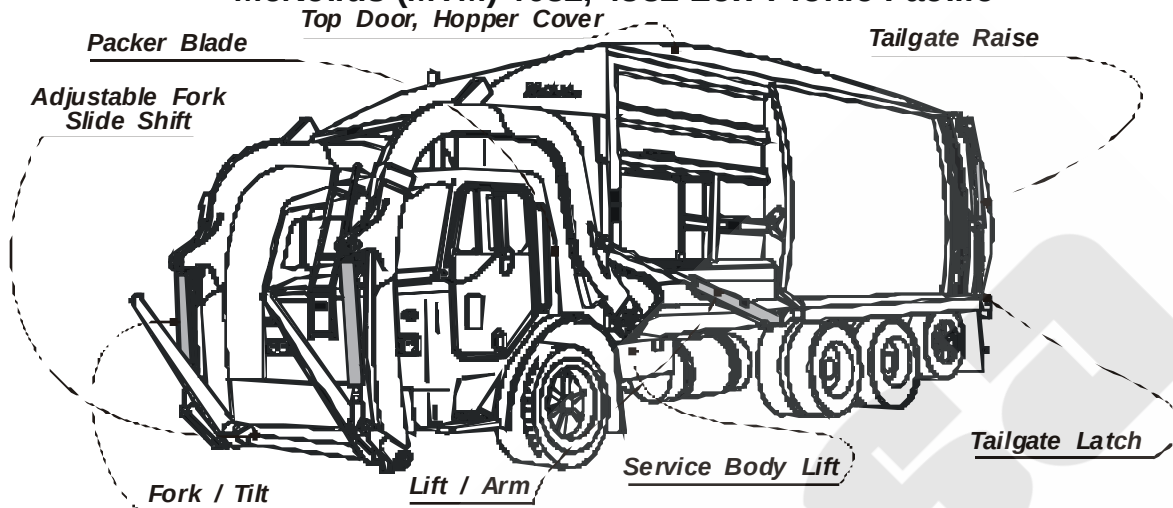
**McNeilus (MTM) 4029, 4329, 4529 Atlantic Full Eject
McNeilus (MTM) 4024, 4324 & 4524 Atlantic Gravity Dump**



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Arm / Lift OEM Ref P.N.'s; 0619891, 1000069, 9570.614380, 9570.619891	B5788	3790005788	4.50	2.00	46.00
Fork / Tilt OEM Ref P.N.'s; 0614333, 1000068, 9070.614333, 9570.614333	D35CC-16-26	3790004398	3.50	2.00	26.00
Fork / Tilt, with Special Valving OEM Ref P.N.'s; 9570.619980	B5864	3790005864	3.50	2.00	26.00
Adjustable Fork / Slide Shift OEM Ref P.N.'s; 0617862, 9570.617862	B4708	3790004708	2.00	1.25	20.00
Top Door OEM Ref P.N.'s; 0614371, 0660778, 1000160, 1000077, 9170.614371, 9170.660778, 9172.604147	B4388	3790004388	2.00	1.50	95.00
Top Door (Long Lightweight) OEM Ref P.N.'s; 9170.619880, 9170.660012	B4662	3790004662	2.00	1.50	107.00
Tailgate Raise OEM Ref P.N.'s; 0619882, 1000067, 1144707, 9272.604127, 9370.604127, 9370.619882	C5220	3790005220	3.25	2.00	38.00
Packer Blade, 40 Yd Full Eject OEM Ref P.N.'s; 0661950, 1130000, 1140624, 9430.661950	SD63CC-41-164	3771833006	Telescopic		164.00
Packer Blade, 45 Yd Full Eject OEM Ref P.N.'s; 0661951, 1130001, 1140625, 9430.661951	SD63CC-41-181	3771833007	Telescopic		181.00
Service Body Lift OEM Ref P.N.'s; 1000078, 9170.619884	C4542	3790004542	2.88	2.50	16.00
Packer Blade, Atlantic Gravity Dump OEM Ref P.N.'s; 1101709	D60CC-33-65.75	3790006419	6.00	4.00	65.75
Body Raise, Atlantic Gravity Dump OEM Ref P.N.'s; 0126158, 9070.126158	S63DC-75-66	3771413243	Telescopic		66.00

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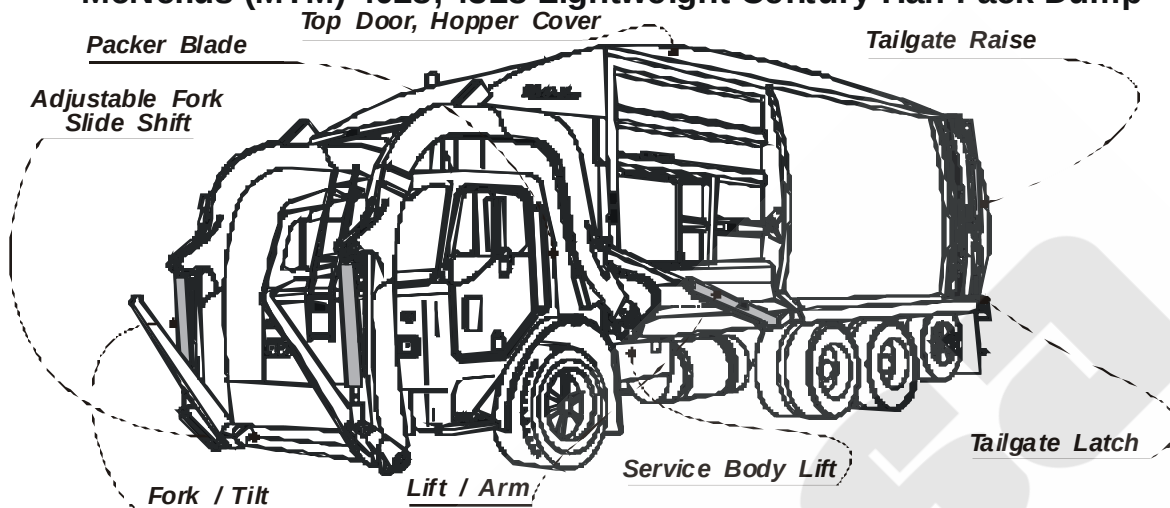
**McNeilus (MTM) 4080, 4081, 4380 & 4381 Pacific
McNeilus (MTM) 4082, 4382 Low Profile Pacific**



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Arm / Lift OEM Ref P.N.'s; 06 60777, 1000158, 95 70.66077 7	B6178	3790006178	4.00	2.00	46.00
Fork / Tilt OEM Ref P.N.'s; 95 70.61987 6	D30CD-9-20	3790005461	3.00	1.75	20.00
Fork / Tilt OEM Ref P.N.'s; 06 60009, 06 60781, 11 00028, 95 70.66000 9, 95 70.66078 1	B6347	3790006347	3.00	1.75	20.00
Fork / Tilt OEM Ref P.N.'s; 06 60011, 95 70.66001 1	B6353	3790006353	3.50	2.00	20.00
Adjustable Fork / Slide Shift OEM Ref P.N.'s; 06 17862, 95 70.61786 2	B4708	3790004708	2.00	1.25	20.00
Adjustable Fork / Slide Shift OEM Ref P.N.'s; 95 70.66078 2	B6281	3790006281	2.00	1.25	19.50
Top Door OEM Ref P.N.'s; 06 14371, 06 60778, 1000160, 1000077, 91 70.61437 1, 91 70.66077 8, 91 72.60414 7	B4388	3790004388	2.00	1.50	95.00
Top Door OEM Ref P.N.'s; 91 70.66001 2	B6152	3790006152	2.00	1.50	107.00
Tailgate Raise OEM Ref P.N.'s; 06 37009, 1000161, 93 70.63700 9	B6019	3790006019	2.50	1.50	38.00
Tailgate Raise OEM Ref P.N.'s; 06 37010, 11 00105, 93 70.63701 0	D25LL-8-38	3772621116	2.50	1.50	38.00
Packer Blade OEM Ref P.N.'s; 06 60776, 91 70.66077 6	SD53DD-CP592-170	3799000592	Telescopic		170.00
Service Body Lift OEM Ref P.N.'s; 1000078, 91 70.61988 4	C4542	3790004542	2.88	2.50	16.00
Packer Blade, Gravity Dump OEM Ref P.N.'s; 95 70.66078 5	B6422	3790006422	5.50	3.50	66.19
Body Raise, Gravity Dump OEM Ref P.N.'s; 01 26158, 90 70.12615 8	S63DC-77-66	3771413258	Telescopic		66.00
Body Raise, Gravity Dump OEM Ref P.N.'s; 06 33832, 91 70.63383 2	S75DB-CP394-86	3799000394	Telescopic		86.25

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**McNeilus (MTM) 4027, 4327 Lightweight Century Full Eject
McNeilus (MTM) 4028, 4328 Lightweight Century Half Pack Dump**



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Arm / Lift OEM Ref P.N.'s; 9570.619877	B5462	3790005462	4.00	2.50	46.00
Arm / Lift OEM Ref P.N.'s; 9570.614366	D4496	3790004496	4.50	2.50	46.00
Arm / Lift OEM Ref P.N.'s; 0619891, 1000069, 9570.614380, 9570.619891	B5788	3790005788	4.50	2.50	46.00
Fork / Tilt OEM Ref P.N.'s; 9570.619876	D30CD-9-20	3790005461	3.00	1.75	20.00
Fork / Tilt OEM Ref P.N.'s; 0614333, 1000068, 9070.614333, 9570.614333	D35CC-16-26	3790004398	3.50	2.00	26.00
Fork / Tilt, With Counter Balance Valve OEM Ref P.N.'s; 9370.618928	B5780	3790005780	3.50	2.00	26.00
Adjustable Fork / Slide Shift OEM Ref P.N.'s; 0617862, 9570.617862	B4708	3790004708	2.00	1.25	20.00
Top Door OEM Ref P.N.'s; 9170.619880	B4662	3790004662	2.00	1.50	107.00
Tailgate Raise OEM Ref P.N.'s; 0642853, 1000075, 9370.642853	B5491	3790005491	3.00	2.00	31.00
Packer Blade OEM Ref P.N.'s; 9270.614373, 9470.619878	D5753	3790005753	Telescopic		149.00
Service Body Lift OEM Ref P.N.'s; 1000078, 9170.619884	C4542	3790004542	2.88	2.50	16.00
Packer Blade, Gravity Dump OEM Ref P.N.'s; 9170.619875	B5454	3790005454	5.00	3.00	59.00
Body Raise, Gravity Dump, 36 YD OEM Ref P.N.'s; 0615862, 9270.615862, 9770.615862	S64DB-10-73	3771414053	Telescopic		73.00
Body Raise, Gravity Dump, 39 YD OEM Ref P.N.'s; 0633832, 9170.633832	S75DB-CP394-86	3799000394	Telescopic		86.00

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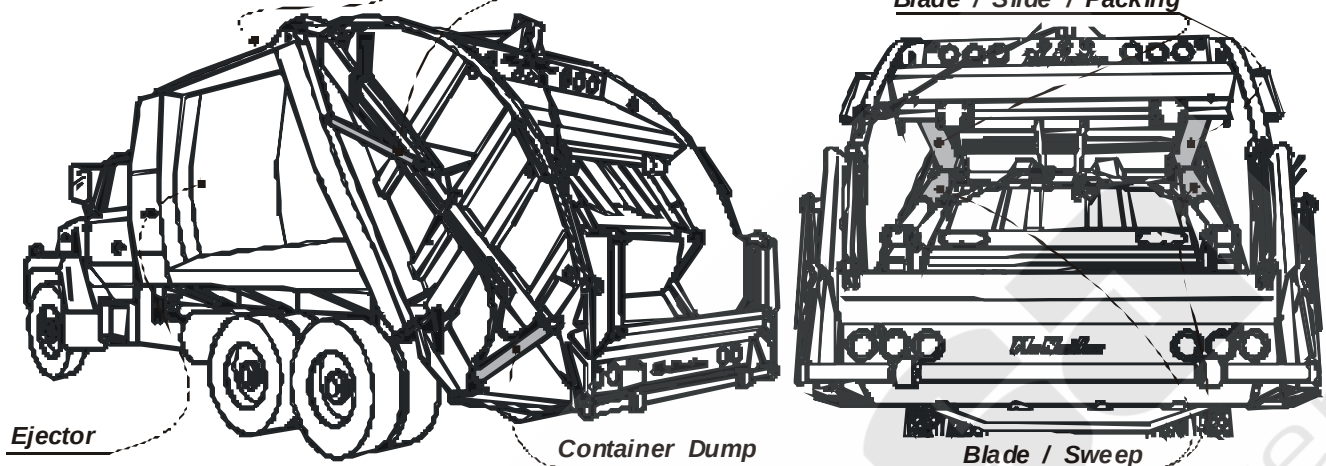
McNeilus (MTM) Standard & Heavy Duty Rear Loader

1710, 2010, 2510, 3210 Standard & 1711, 2011, 2511, 3211 Heavy Duty

Overhead Container / Winch

Tailgate Raise

Blade / Slide / Packing



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Blade / Slide / Packing, Standard OEM Ref P.N.'s; 0604144, 9470.604144	D4292	3790004292	4.50	3.50	32.50
Blade / Slide / Packing, Heavy Duty OEM Ref P.N.'s; 0604146, 9470.604146	D4265	3790004265	5.00	4.00	32.50
Blade / Sweep, Standard OEM Ref P.N.'s; 0604143, 9470.604143	D4291	3790004291	4.00	3.00	23.00
Blade / Sweep, Heavy Duty OEM Ref P.N.'s; 0604145, 1108292, 9470.604145	D4266	3790004266	4.50	3.50	23.00
Tailgate Raise OEM Ref P.N.'s; 0601930, 9072.601930, 9370.601930, 9370.604130	C4217	3790004217	2.88	2.50	38.00
Overhead Container Winch Reeving OEM Ref P.N.'s; 0605700, 9170.605700, 9370.605700, 9970.604129A, 9970.604129B	B5473	3790005473	5.00	3.50	50.00
Container Dump, Crash Bar OEM Ref P.N.'s; 9370.605701	B5387	3790005387	2.50	1.50	12.00
Container Dump OEM Ref P.N.'s; 0605702, 1100117, 9370.605702, 9572.601691, 9970.601691	B5806	3790005806	3.00	1.75	24.00
Ejector Push Out, 17 Yd OEM Ref P.N.'s; 0604139, 9270.604139	SD63DC-74-71.75	3771433939	Telesco pic		71.75
Ejector Push Out, 20 Yd OEM Ref P.N.'s; 0604142, 9072.604142, 9270.604142, 9272.604142	SD63DC-73-88.75	3771433938	Telesco pic		88.75
Ejector Push Out, 25 Yd OEM Ref P.N.'s; 0604137, 9072.604137, 9270.604137	SD74DC-11-119	3772534063	Telesco pic		119.50
Ejector Push Out, 28 Yd OEM Ref P.N.'s; 9070.670032	SD74DC-CP615-138	3799000615	Telesco pic		138.00
Ejector Push Out, 32 Yd OEM Ref P.N.'s; 0604138, 9270.604138	SD85DC-7-163	3772935036	Telesco pic		163.00

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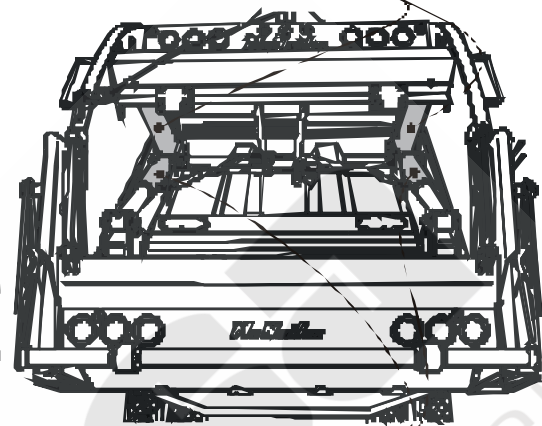
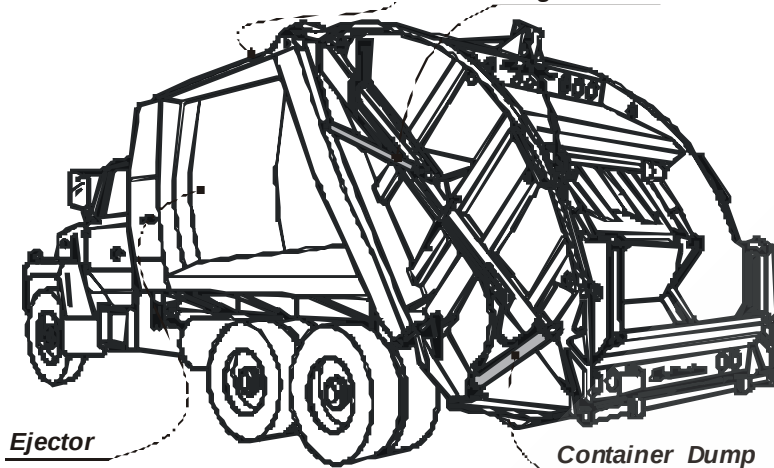
McNeilus (MTM) XC High Compaction Rear Loader

2003, 2503, 3203, 2013, 2513, 3213, XC

Overhead Container / Winch

Tailgate Raise

Blade / Slide / Packing



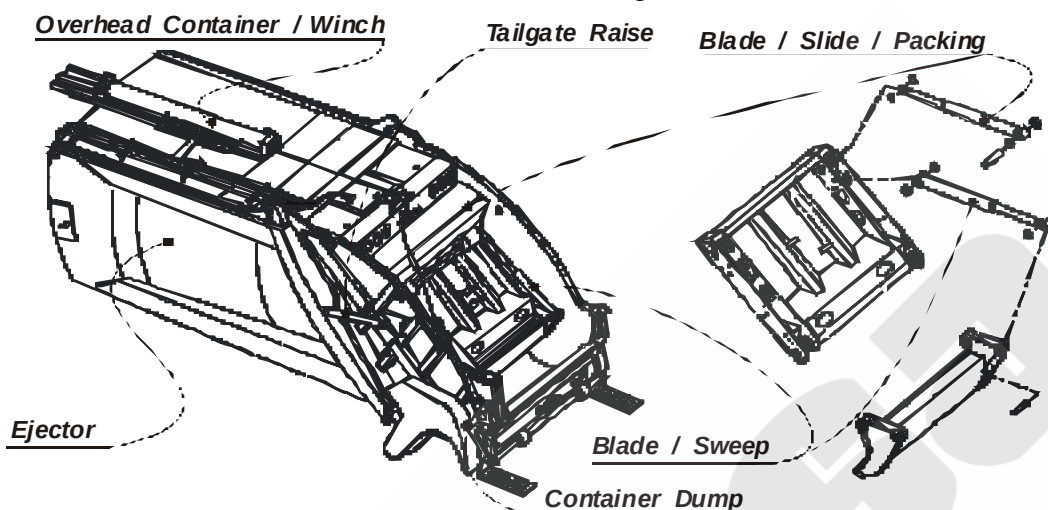
Container Dump

<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Blade / Slide / Packing OEM Ref P.N.'s; 0604135, 9470.604135	D4171	3790004171	5.50	4.50	38.62
Blade / Sweep OEM Ref P.N.'s; 0604143, 9072.604134, 9470.604143	D4172	3790004172	5.00	3.00	23.00
Tailgate Raise OEM Ref P.N.'s; 0604136, 9370.604136	D4190	3790004190	3.50	3.00	42.00
Overhead Container Winch Reeving OEM Ref P.N.'s; 0605700, 9170.605700, 9370.605700, 9970.604129A, 9970.604129B	B5473	3790005473	5.00	3.50	50.00
Container Dump, Crash Bar OEM Ref P.N.'s; 9370.605701	B5387	3790005387	2.50	1.50	12.00
Container Dump OEM Ref P.N.'s; 0605702, 1100117, 9370.605702, 9572.601691, 9970.601691	B5806	3790005806	3.00	1.75	24.00
Ejector Push Out, 17 Yd OEM Ref P.N.'s; 0604139, 9270.604139	SD63DC-74-71.75	3771433939	Telescop ic		71.75
Ejector Push Out, 20 Yd OEM Ref P.N.'s; 0604142, 9072.604142, 9270.604142, 9272.604142	SD63DC-73-88.75	3771433938	Telescop ic		88.75
Ejector Push Out, 25 Yd OEM Ref P.N.'s; 0604137, 9072.604137, 9270.604137	SD74DC-11-119	3772534063	Telescop ic		119.50
Ejector Push Out, 28 Yd OEM Ref P.N.'s; 9070.670032	SD74DC-CP615-138	3799000615	Telescop ic		138.00
Ejector Push Out, 32 Yd OEM Ref P.N.'s; 0604138, 9270.604138	SD85DC-7-163	3772935036	Telescop ic		163.00

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McNeilus (MTM) Tag Axle Rear Loader

2012, 2512, 3212 Tag Axle

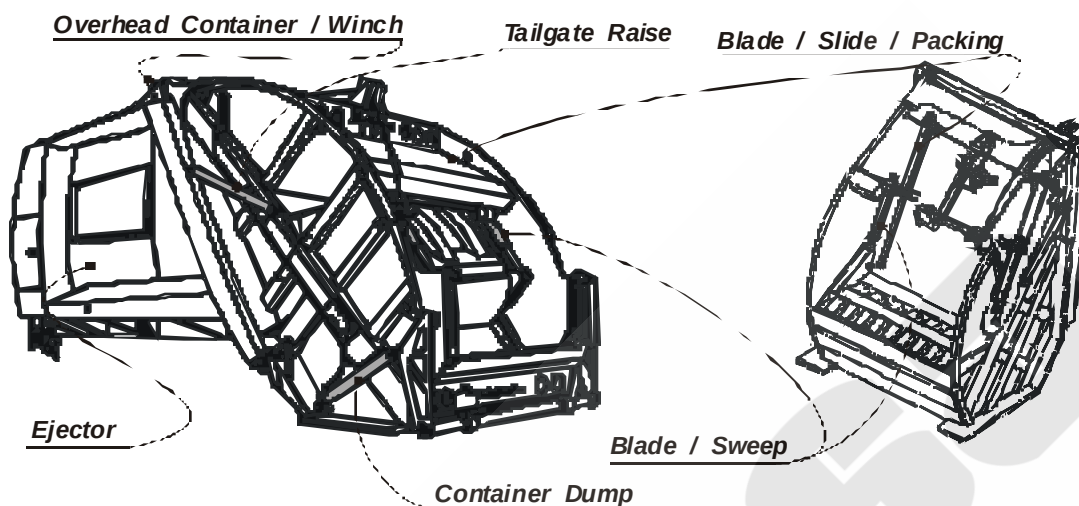


<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Blade / Slide / Packing OEM Ref P.N.'s; 0604976, 9970.604976	D4541	3790004541	5.00	4.00	37.25
Blade / Sweep OEM Ref P.N.'s; 0604145, 1108292, 9470.604145	D4266	3790004266	4.50	3.50	23.00
Tailgate Raise OEM Ref P.N.'s; 0604136, 9370.604136	D4190	3790004190	3.50	3.00	42.00
Overhead Container Winch Reeving OEM Ref P.N.'s; 0605700, 9170.605700, 9370.605700, 9970.604129A, 9970.604129B	B5473	3790005473	5.00	3.50	50.00
Container Dump, Crash Bar OEM Ref P.N.'s; 9370.605701	B5387	3790005387	2.50	1.50	12.00
Container Dump OEM Ref P.N.'s; 9970.604975	C4750	3790004750	3.00	1.75	13.50
Ejector Push Out, 20 Yd OEM Ref P.N.'s; 0604142, 9072.604142, 9270.604142, 9272.604142	SD63DC-73-88.75	3771433938	Telescopic		88.75
Ejector Push Out, 25 Yd OEM Ref P.N.'s; 0604137, 9072.604137, 9270.604137	SD74DC-11-119	3772534063	Telescopic		119.50
Ejector Push Out, 28 Yd OEM Ref P.N.'s; 9070.670032	SD74DC-CP615-138	3799000615	Telescopic		138.00
Ejector Push Out, 32 Yd OEM Ref P.N.'s; 0604138, 9270.604138	SD85DC-7-163	3772935036	Telescopic		163.00

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McNeilus (MTM) Metro Rear Loader

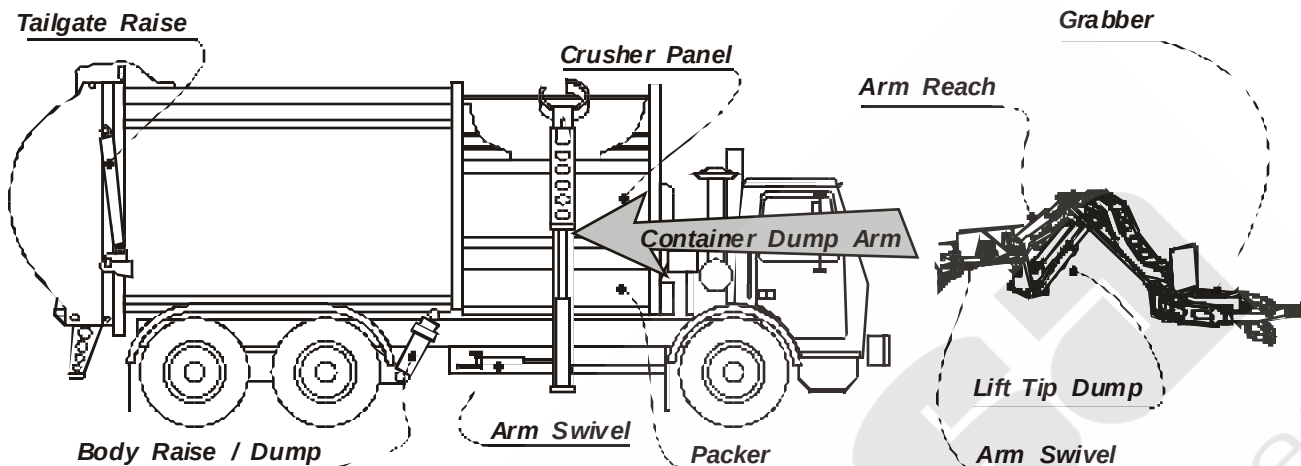
1214, 1414, 1714 & 2014



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Blade / Slide / Packing OEM Ref P.N.'s: 060 6960, 114 8322, 9470.606690, 9470.606960	C3850	3790003850	4.50	2.00	26.50
Blade / Sweep OEM Ref P.N.'s: 060 6950, 110 6958, 9270.606950, 9470.606950, 9872.622251	C3847	3790003847	4.00	2.50	21.63
Tailgate Raise OEM Ref P.N.'s: 060 6953, 9370.606953, 9470.606953	B5347	3790005347	3.00	2.50	31.25
Overhead Container Winch Reeving OEM Ref P.N.'s: 060 5700, 9170.605700, 9370.605700, 9970.604129A, 9970.604129B	B5473	3790005473	5.00	3.50	50.00
Container Dump OEM Ref P.N.'s: 060 5702, 110 0117, 9370.605702, 9572.601691, 9970.601691	B5806	3790005806	3.00	1.75	24.00
Ejector Push Out, 12 Yd OEM Ref P.N.'s: 060 6971, 9270.606971	SD63DC-CP493-46	3799000493	Telescop ic		46.62
Ejector Push Out, 14 Yd OEM Ref P.N.'s: 9270.673088	SD52DC-CP627-55	3799000627	Telescop ic		55.00
Ejector Push Out, 14 Yd OEM Ref P.N.'s: 060 6969, 9270.606969	SD63DC-7-61	3799000441	Telescop ic		59.38
Ejector Push Out, 17 Yd OEM Ref P.N.'s: 067 3089, 9270.673089	SD63DC-CP625-76	3799000625	Telescop ic		76.00
Ejector Push Out, 17 Yd OEM Ref P.N.'s: 060 6967, 9270.606967	SD63DC-CP507-82	3799000507	Telescop ic		82.00
Ejector Push Out, 20 Yd OEM Ref P.N.'s: 067 3894, 9270.673894, 9270.637984	SD63DC-CP604-97	3799000604	Telescop ic		97.25
Ejector Push Out, 20 Yd OEM Ref P.N.'s: 060 6956, 9270.606956	SD74DC-CP410-104	3799000410	Telescop ic		104.38

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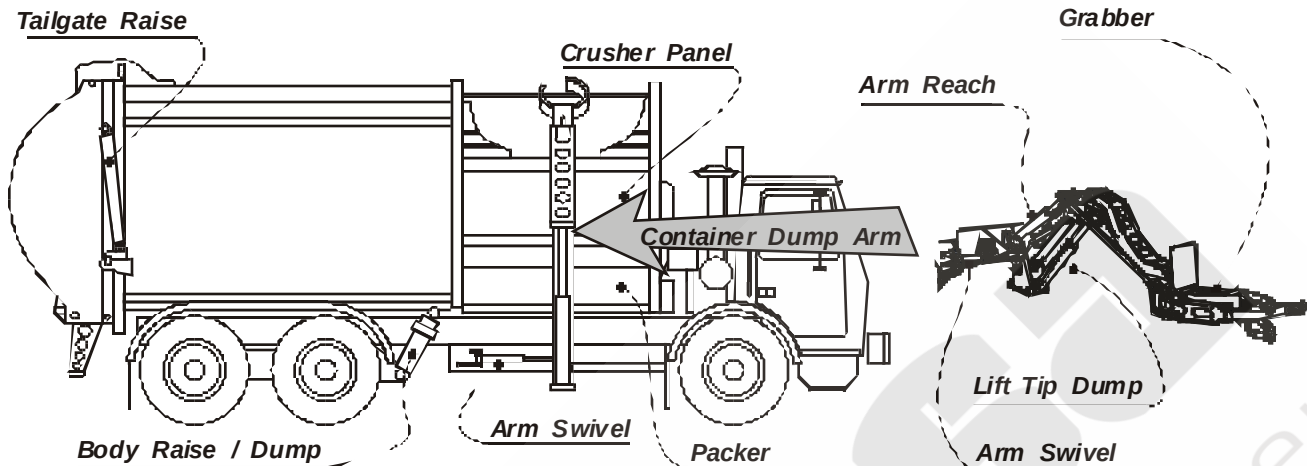
McNeilus (MTM) AutoReach Side Loader
 AutoReach 99, AutoReach, Dual Compartment, Street Force
 Page 1 of 2



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Grabber OEM Ref P.N.'s; 9570.643706	B5429	3790005429	2.00	1.00	6.25
Arm Reach OEM Ref P.N.'s; 9570.643701	B5495	3790005495	3.50	2.00	14.75
Arm Reach OEM Ref P.N.'s; 9070.644203, 9570.643710	B5899	3790005899	3.50	2.00	14.75
Arm Lift, Tip Dump OEM Ref P.N.'s; 9570.643705	D35DD-1-17.88	3790005501	3.50	2.00	17.88
Arm Swivel, Swing OEM Ref P.N.'s; 0638264, 1100106, 9070.638264	B6387	3790006387	2.00	1.25	9.12
Arm Swivel, Swing OEM Ref P.N.'s; 1103780	B6546	3790006546	2.00	1.25	8.12
Arm Swivel, Swing OEM Ref P.N.'s; 9570.643708	D30DD-12-9.12	3790005740	3.00	1.50	9.12
Arm Swivel, Swing, Dual Compartment OEM Ref P.N.'s; 9070.644194	B5698	3790005698	2.50	1.75	15.00
Packer OEM Ref P.N.'s; 0126256, 1100031, 200.126256	B6231	3790006231	4.50	3.00	52.75
Packer OEM Ref P.N.'s; 200.126257	B6236	3790006236	5.00	3.00	34.50
Packer, Dual Compartment Upper OEM Ref P.N.'s; 9070.644180	B5442	3790005442	3.00	2.00	21.50
Packer, Dual Compartment Lower OEM Ref P.N.'s; 9070.644183	D45DD-7-34.50	3790006002	4.50	3.00	34.50
Crusher Panel, Packer Assist OEM Ref P.N.'s; 0615860, 1000092, 9170.615860, 9270.615860	C4539	3790004539	3.00	2.00	14.00

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McNeilus (MTM) AutoReach Side Loader
 AutoReach 99, AutoReach, Dual Compartment, Street Force
 Page 2 of 2

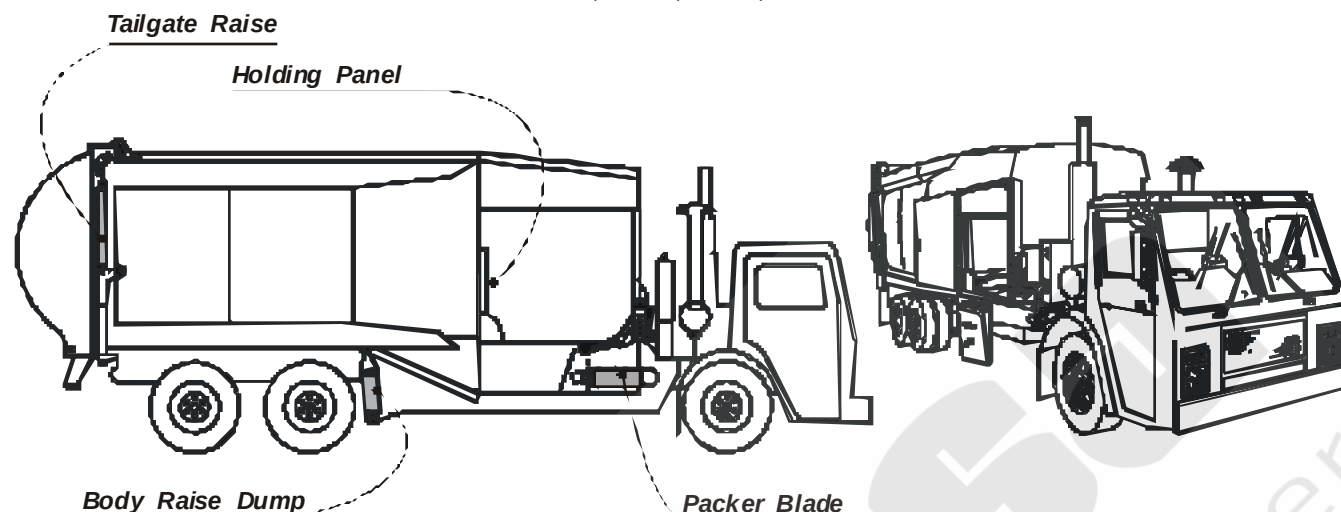


<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Tailgate Raise OEM Ref P.N.'s; 063 7009, 1000161, 9370.637009	B6019	3790006019	2.50	1.50	38.00
Tailgate Raise OEM Ref P.N.'s; 063 7010, 1100105, 9370.637010	D25LL-8-38	3772621116	2.50	1.50	38.00
Tailgate Raise OEM Ref P.N.'s; 064 2853, 100 0075, 9370.642853	B5491	3790005491	3.00	2.00	31.00
Tailgate Raise OEM Ref P.N.'s; 0619882, 100 0067, 114 4707, 927 2.604127, 9370.619882, 9370.604127	C5220	3790005220	3.25	2.00	38.00
Tailgate Raise, Dual Compartment Upper OEM Ref P.N.'s; 9370.634905	B4942	3790004942	2.00	1.25	12.00
Tailgate Raise, Dual Compartment Lower OEM Ref P.N.'s; 063 4906, 9370.634906	B5724	3790005724	2.00	1.25	20.00
Body Raise / Dump OEM Ref P.N.'s; 064 2852, 9170.642852, 9770.640888	S53DB-7-63	3771513048	Telescopic		63.00

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McNeilus (MTM) MLS Manual Side Loader

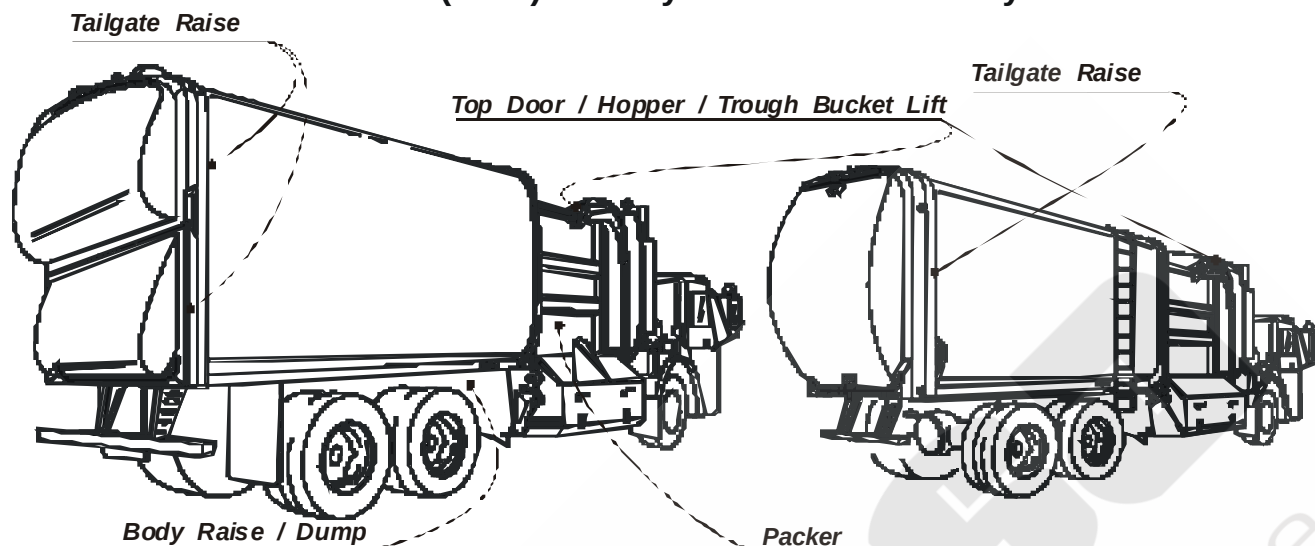
3607, 3630, 3930, MSL



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Packer Blade OEM Ref P.N.'s; 0635876, 1000094, 9270.635876, 9470.615860	D50DD-2-39.50	3777921073	5.00	4.00	39.50
Packer Blade OEM Ref P.N.'s; 1104922	D50DD-21-39.50	3777921061	5.00	4.00	39.50
Packer Blade OEM Ref P.N.'s; 9270.615861, 9430.615861	C4543	3790004543	5.00	3.50	34.00
Packer Blade OEM Ref P.N.'s; 9470.630861,	D4596	3790004596	5.00	4.00	39.50
Packer Blade OEM Ref P.N.'s; 0663500, 1100104, 9270.663500	B6314	3790006314	5.00	4.00	39.50
Packer Blade OEM Ref P.N.'s; 1108220	B6622	3790006622	4.00	3.00	39.50
Holding Panel, Crusher Panel OEM Ref P.N.'s; 0615860, 1000092, 9170.615860, 9270.615860	C4539	3790004539	3.00	2.00	14.00
Tailgate Raise OEM Ref P.N.'s; 0637010	D25LL-8-38	3772621116	2.50	1.50	38.00
Tailgate Raise OEM Ref P.N.'s; 9370.604125	C4133	3790004133	3.00	2.00	31.00
Tailgate Raise OEM Ref P.N.'s; 0619882, 1000067, 9272.604127, 9370.604127, 9370.619882	C5220	3790005220	3.00	2.00	38.00
Body Raise / Dump OEM Ref P.N.'s; 0615862, 9270.615862, 9770.615862	S64DB-10-73	3771414053	Telescopic		73.00
Body Raise / Dump, Optional Front Mount OEM Ref P.N.'s; 1108392	S53MC-38-166	3771513154	Telescopic		166.00
Body Raise / Dump, Optional Front Mount OEM Ref P.N.'s; 1143954	N/A	N/A	Telescopic		170.00

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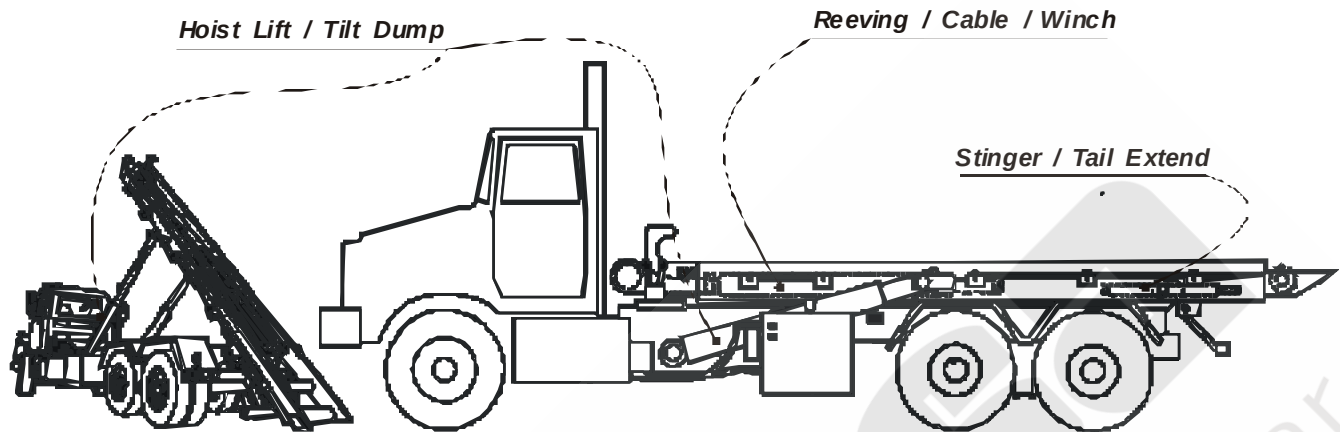
McNeilus (MTM) Century Bucket Loader Recycler



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Top Door / Hopper / Trough Bucket Lift OEM Ref P.N.'s; 063 7007, 9170.637007	D30CD-11-21.25	37 70521104	3.00	1.75	21.25
Top Door / Hopper / Trough Bucket Lift OEM Ref P.N.'s; 063 3849, 1100045, 9070.633849	B6310	37 90006310	3.00	1.75	20.75
Top Door / Hopper / Trough Bucket Lift OEM Ref P.N.'s; 063 7507, 9170.637507	B5959	37 90005959	3.00	1.75	19.00
Packer OEM Ref P.N.'s; 063 7008, 1000166, 9470.637008	D50DD-23-52.75	37 77921066	5.00	3.00	52.75
Packer OEM Ref P.N.'s; 1000163, 9470.637508	B5956	37 90005956	4.00	3.00	46.00
Packer OEM Ref P.N.'s; 012 6261, 200.126261	B6273	37 90006273	4.50	3.00	28.00
Tailgate Raise, Single OEM Ref P.N.'s; 063 7009, 1000161, 9370.637009	B6019	37 90006019	2.50	1.50	38.00
Tailgate Raise, Single OEM Ref P.N.'s; 063 7010, 1100105, 9370.637010	D25LL-8-38	37 72621116	2.50	1.50	38.00
Tailgate Raise, Single OEM Ref P.N.'s; 063 7509, 1000162, 9370.637509	B5955	37 90005955	2.50	1.50	37.50
Tailgate Raise, Double Upper OEM Ref P.N.'s; 012 6262, 200.126262	B6242	37 90006242	2.00	1.25	21.50
Tailgate Raise, Double Lower OEM Ref P.N.'s; 063 4906, 9370.634906, 9370.643906	B5724	37 90005724	2.00	1.25	20.00
Tailgate Latch OEM Ref P.N.'s; 063 6375, 9370.636375	B6293	37 90006293	2.00	1.00	3.00
Body Raise / Dump OEM Ref P.N.'s; 064 2852, 9170.642852, 9770.640888	S53DB-15-63.12	37 71513158	Telescopic		63.00
Body Raise / Dump OEM Ref P.N.'s; 063 6002, 9270.636002	S74DC-70-84	37 72514113	Telescopic		84.00

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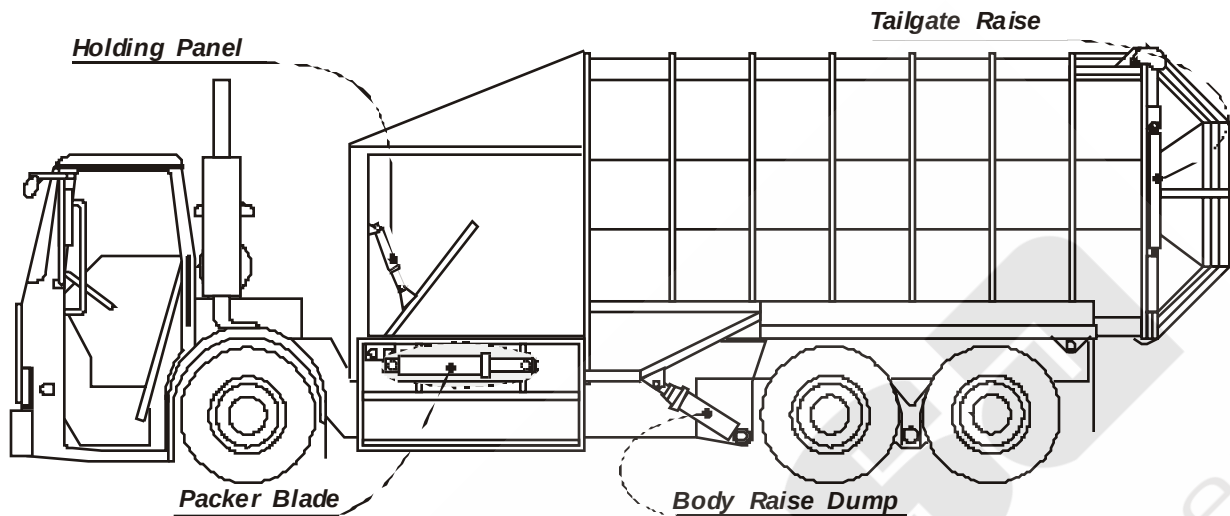
McNeilus (MTM) Roll-Off



Cylinder Function	Parker Eng#	Parker Number	Bore	Rod	Stroke
Reeving / Cable / Winch; 60,000# OEM Ref P.N.'s; 0651550, 9070.651550, 9070.654695, 9180.651550	D62LB-5-80	3771421180	6.25	4.75	80.00
Reeving / Cable / Winch; 80,000# OEM Ref P.N.'s; 9070.654697	D72LB-9-80	3772521122	7.25	4.75	80.00
Hoist Lift / Tilt Dump; 60,000# OEM Ref P.N.'s; 0651550, 9070.651550, 9070.654695, 9180.651550	D62LB-5-80	3771421180	6.25	4.75	80.00
Hoist Lift / Tilt Dump; 80,000# OEM Ref P.N.'s; 9070.654697	D72LB-9-80	3772521122	7.25	4.75	80.00
Stinger Tail Extend OEM Ref P.N.'s; 0654696, 9070.654696, 9070.654698	B6071	3790006071	3.50	2.50	80.00
Stinger Tail Extend OEM Ref P.N.'s; 9070.654699	B5487	3790005487	3.50	2.50	48.00

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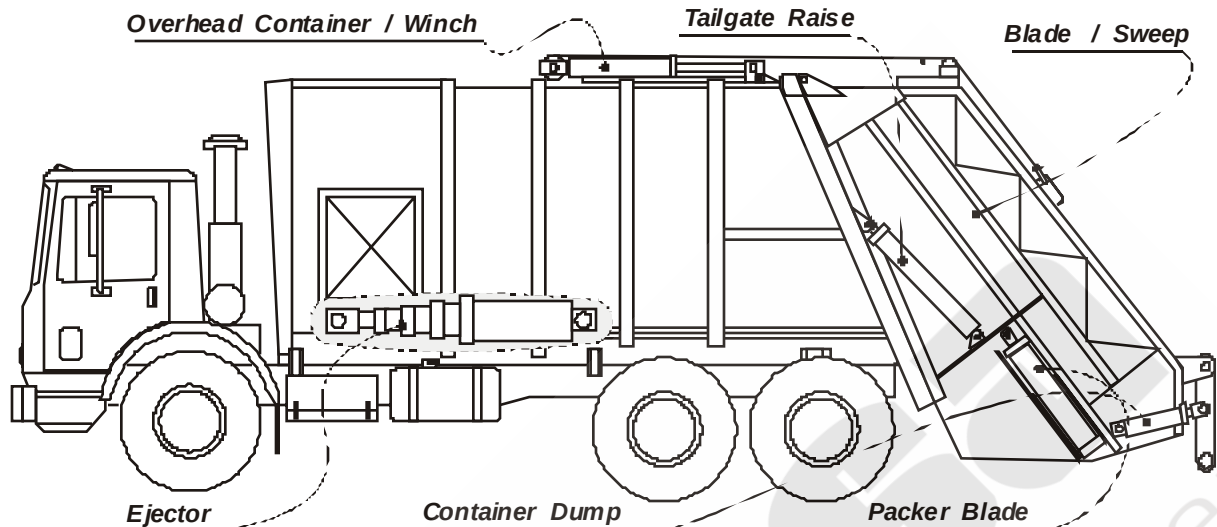
Maxon SL-108, SL-109 & SL-209 Drop-Frame Side Loader



Cylinder Function	Parker Eng#	Parker Number	Bore	Rod	Stroke
Packer Blade, SL-108 & SL-109 OEM Ref P.N.'s; 202104, 800000, 801374	C3831	3790003831	4.00	2.50	29.00
Packer Blade, SL-209 OEM Ref P.N.'s; 040955	N/A		6.00	3.75	31.00
Holding Panel, Crusher Panel, SL-108 & SL-109 OEM Ref P.N.'s; 202105, 207985	N/A		3.50	1.50	16.00
Tailgate Raise, SL-108 & SL-109 OEM Ref P.N.'s; 222741	N/A		2.50		36.00
Tailgate Raise, SL-209 OEM Ref P.N.'s; 404800	C3820	3790003820	3.00	1.75	36.00
Body Raise / Dump 63" Stroke OEM Ref P.N.'s; 401216	S53DB-2-63	3771513013	Telescopic		63.00
Body Raise / Dump 78" Stroke OEM Ref P.N.'s; 222530	N/A	Telescopic			78.00

GROSS WEIGHT AND APPLICATION DATA IS FOR REFERENCE ONLY.
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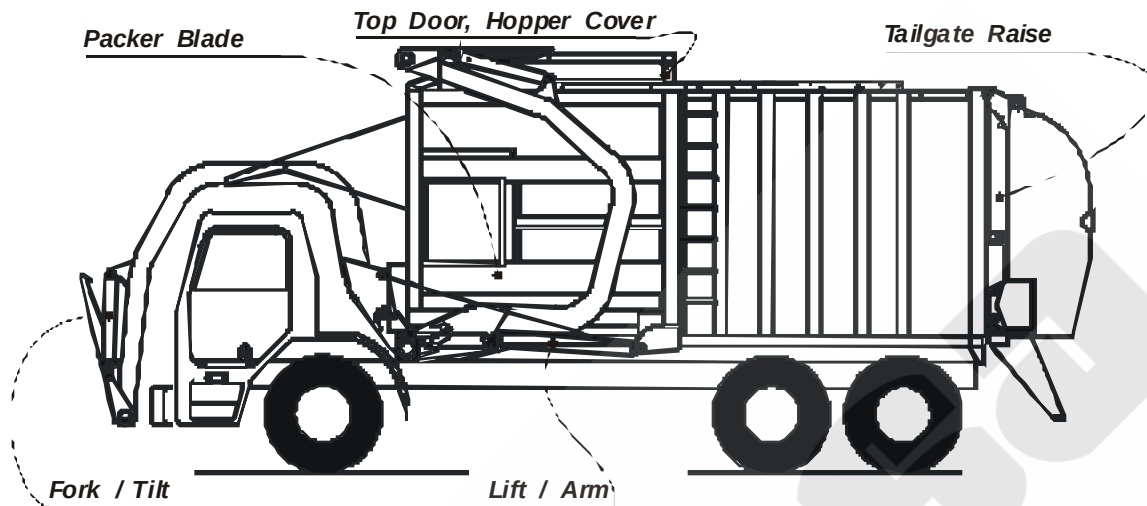
Pak-Mor R200B & R300B Rear Loader



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Packer Blade, R200 Series OEM Ref P.N.'s; 4148023	D50DL-2-42	37 77921060	5.00	2.50	42.00
Packer Blade, R300 Series OEM Ref P.N.'s; 4148037	D60CL-2-40	37 71421221	6.00	3.00	40.00
Blade / Sweep, R200 Series OEM Ref P.N.'s; 4148022	D50DB-13-24	37 77921059	5.00	2.50	24.00
Blade / Sweep, R300 Series OEM Ref P.N.'s; 4148000	D60CB-5-26	37 71421220	6.00	3.00	26.0024.00
Tailgate Raise, R200 Series OEM Ref P.N.'s; 4149065	D35LL-9-30	37 73821058	3.50	2.50	29.81
Tailgate Raise, R300 Series OEM Ref P.N.'s; 4149067	D35LL-9-38	37 73821059	3.50	2.50	37.81
Overhead Container Winch Reeving OEM Ref P.N.'s; 4148044	D60CB-5-47	37 71421217	6.00	3.00	47.00
Ejector Push Out, 20 YD R200 & R300 Series OEM Ref P.N.'s; 4149043	N/A		5.00	3.00	78.00
Ejector Push Out, 25 YD R200 & R300 Series OEM Ref P.N.'s; 080121, 2000102, 2001125	SD52DC-13-119	37 71532071	Telescopic		119.00
Ejector Push Out, 30 YD R200 & R300 Series OEM Ref P.N.'s; 2001102, 2001126	SD52DC-13-140	37 71532072	Telescopic		140.00

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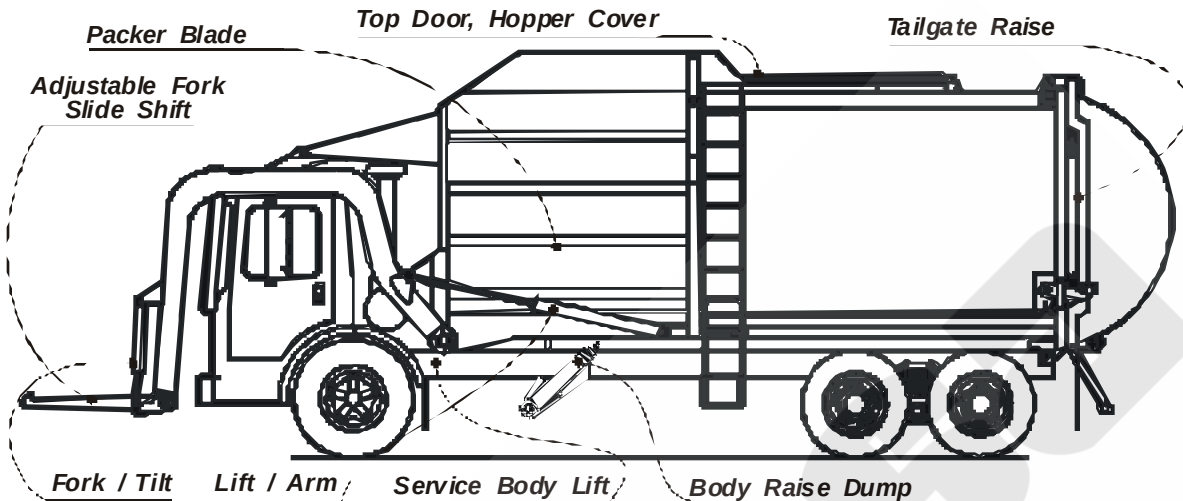
Pak-Mor FPE800 Front Loader



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Arm / Lift OEM Ref P.N.'s; 4149004	D50CD-3-43.12	37 77921062	5.00	2.00	43.13
Fork / Tilt OEM Ref P.N.'s; 4149071	D40CD-12-28	37 76821075	4.00	2.00	28.00
Top Door, Sliding OEM Ref P.N.'s; 4149131	D25LL-13-90	37 72621130	2.50	1.50	90.00
Tailgate Raise OEM Ref P.N.'s; 4149073	D30LL-7-26.50	37 70521094	3.00	1.50	26.50
Packer Blade OEM Ref P.N.'s; 2001183	SD53CC-42-189	37 71933017	Telescopic		189.00

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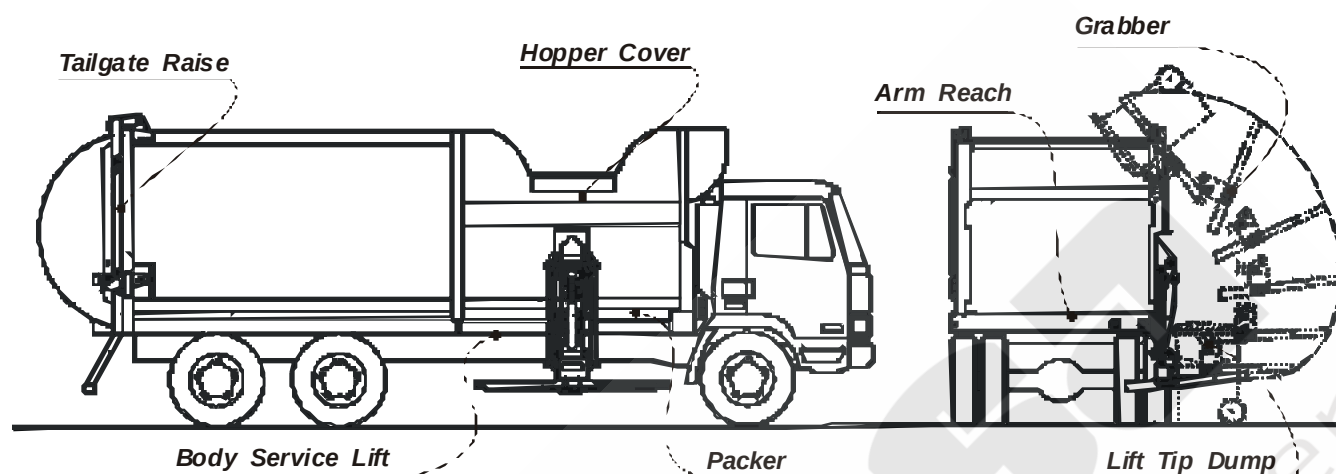
Wittke Starlight Front Loader
Commercial and Residential Applications



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Arm / Lift, 4.00" Bore OEM Ref P.N.'s; FLHC-26B, 016-9900	B5548	3790005548	4.00	2.00	45.38
Arm / Lift, 4.50" Bore OEM Ref P.N.'s; FLHC-28C, FLHC-26C, 018-9900	D45LD-7-45.38	3774121032	4.50	2.00	45.38
Fork / Tilt OEM Ref P.N.'s; FLHC-27, 014-9900	D35LD-5-19	3773821057	3.50	1.75	19.00
Adjustable Fork / Slide Shift OEM Ref P.N.'s; FLHC-37, 008-9818	N/A		2.00	1.00	13.75
Top Door OEM Ref P.N.'s; FLHC-34, 010-9902	D25LL-15-84	3772621133	2.50	1.50	84.00
Tailgate Raise, Standard Profile OEM Ref P.N.'s; FLHC-25, 010-9901	D25LL-14-42	3772621131	2.50	1.75	42.00
Tailgate Raise, Low Profile OEM Ref P.N.'s; FLHC-29, 010-9900, 110121-2	D25LL-9-36	3772621124	2.50	1.75	36.00
Packer Blade, 38 Yd OEM Ref P.N.'s; FLHC-07, FLHC-18, FLHC-30, FL7-A125W, 095-6024	SD53CD-3-156.88	3771933019	Telescop ic		156.88
Packer Blade, 40 Yd OEM Ref P.N.'s; FLHC-08, FLHC-19, FLHC-31, FL7-A117W, 095-6029	SD53CD-3-168	3771933012	Telescop ic		168.00
Packer Blade, 44 Yd OEM Ref P.N.'s; FLHC-20, FLHC-32, FL7-A118W, 095-6038	SD53CD-3-185.75	3771533089	Telescop ic		185.75
Packer Blade, Tip to Dump OEM Ref P.N.'s; FLHC-02, 022-9000	N/A		5.50	3.50	61.50
Body Raise Dump, Gravity Dump OEM Ref P.N.'s; FLHC-06, FLHC-36, 095-1053	N/A	N/A	Telescop ic		72.00
Service Body Lift OEM Ref P.N.'s; 100-14-1610, FLHC-42	N/A	N/A			

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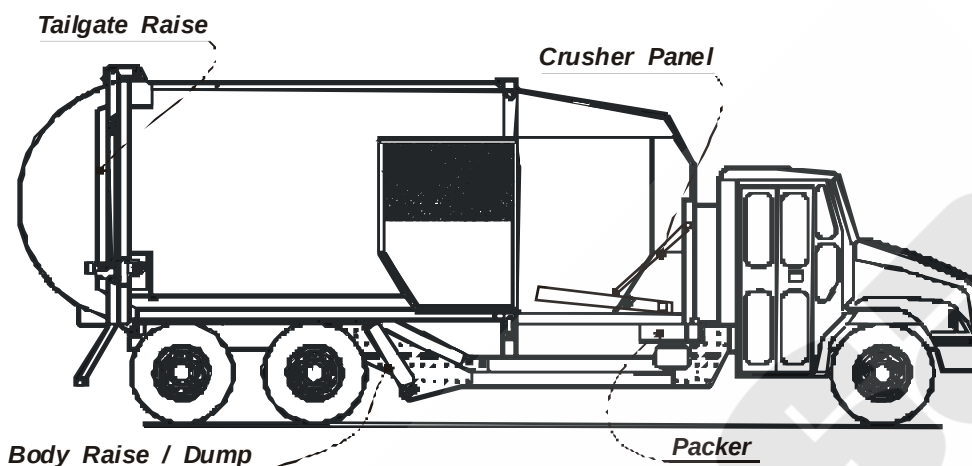
Wittke ASL Automated Side Loader



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Grabber OEM Ref P.N.; AUHC-07	D20CC-6-4	3770121131	2.00	1.25	4.00
Arm Reach OEM Ref P.N.; AUHC-04	D15DD-3-66	3776921019	1.50	1.00	66.00
Arm Lift, Tip Dump OEM Ref P.N.; AUHC-09	D30DC-2-17.38	3770521097	3.00	1.50	17.38
Packer / Ejector, 36 Yard OEM Ref P.N.'s; FLHC-32, FLHC-20, FL7-A118W, 095-6038	SD53CD-3-185.75	3771533089	Telescopic		185.75
Packer / Ejector, 32 Yard OEM Ref P.N.'s; FLHC-31, FLHC-19, FLHC-08 FL7-A117W, 095-6029	SD53CD-3-168	3771933012	Telescopic		168.00
Packer / Ejector, 26 Yard OEM Ref P.N.'s; FLHC-30, FLHC-18, FLHC-07, FL7-A125W, 095-6024	SD53CD-3-156		Telescopic		156.00
Hopper Cover OEM Ref P.N.; AUHC-06	N/A		2.50		84.00
Tailgate Raise OEM Ref P.N.'s; FLHC-25, 010-9901	D25LL-14-42	3772621131	2.50	1.75	42.00
Body Service Lift OEM Ref P.N.'s; 100-14-1610	N/A				

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Wittke Express Manual Side Loader



<u>Cylinder Function</u>	<u>Parker Eng#</u>	<u>Parker Number</u>	<u>Bore</u>	<u>Rod</u>	<u>Stroke</u>
Packer OEM Ref P.N.'s; 020-9900, MLHC-02	N/A		5.00	3.00	40.00
Crusher Panel OEM Ref P.N.'s; 012-9501, 012-9900, MLHC-01	N/A		3.00	1.50	18.00
Tailgate Raise, Standard Profile OEM Ref P.N.'s; FLHC-25, 010-9901	D25LL-14-42	37 72621131	2.50	1.75	42.00
Tailgate Raise, Low Profile OEM Ref P.N.'s; FLHC-29, 010-9900, 110121-2	D25LL-9-36	37 72621124	2.50	1.75	36.00
Body Raise / Dump OEM Ref P.N.'s; FLHC-06, FLHC-36, 095-1053,	N/A		Telescopic		72.00

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Quick Reference Guide

Accurate

A-17	D72CC-48-85	3772521066
A-18	D62CC-36-68	3770921069
A-19	D52CB-31-6	3771521140
HP-HH001	D62LB-5-80	3771421180
HP-HH002	D72LB-9-80	3772521122
HP-HH004	SD73DB-5-120	3772533049
HP-HH007	D52CB-31-6	3771521140
HP-HH008	D62DB-8-79	3771421105
HP-HH011	SD73DB-5-120	3772533049
HP-HH012	SD73DB-5-120	3772533049
MF-51	D72LB-9-80	3772521122
MF-51-N	D62DB-8-79	3771421105

American Roll-Off, Automated Waste

110-100	SD63CC-46-91.75	3771433926
110-200	SD63CC-46-109.75	3771433927
110-300	SD63CC-46-109.75	3771433927
110-450	D62CB-20-80.88	3771421226
110-460	D62CC-58-80.88	3771421227
110-500	D72CB-14-83.62	3772521135
110-510	D72CC-53-80.88	3772521134
110-710	D72CB-11-60	3772521065
110-730	D30LL-6-36	3773221005
110-800	D35LC-1-80	3770621038
110-870	D35LC-1-60	3770621037
ARU6088	D62CC-58-80.88	3771421227
B519	SD63CC-46-91.75	3771433926
B532C	SD63CC-46-109.75	3771433927
B611	D62CB-18-78	3771421098

Capital (Canadian) Disposal

TC-41	SD73GF-4-156	3772533051
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Crane Carrier

67-191	SD96MC-4-288	3773136005
67-207	SD85MC-18-241	3772935028
67-218	SD95MC-7-239	3773135017
67-228	SD63CC-15-108	3771433034
67-234	SD95MC-7-239	3773135017
67-247	SD74CC-10-161	3772534028
67-249	SD96MC-4-288	3773136005
67-250	SD85MC-18-241	3772935028
67-260	SD63CC-15-116	3771433048
67-267	SD63CC-15-97	3771433058
67-321	B5293	3790005293
67-329	SD83CC-30-129	3772933019
74-270	SD74CC-10-161	3772534028

Dempster

AB12225	D25LL-12-16	3772621129
AB12265	D25LL-12-16	3772621129
AB12308	D25LL-12-16	3772621129
AB13978	D25LL-12-16	3772621129
AB15905	SD96CC-3-199	3773136009
AB17404	SD85CC-19-348	3772935026
AB17564	SD74CC-19-131	3772534061
AB17924	SD63CC-11-96	3771433044
AB19461	D3838	3790003838
AB19473	SD94CC-9-190	3773134006
AB19553	SD86CC-2-177	3772936004
AB19600TH	C3810	3790003810
AB19601TH	D50CB-8-27	3777921058
AB19602TH	D35CC-18-36.88	3773821055
AB19610	SD53CB-8-92	3771533033
AB19774TH	D40CE-3-24	3776821073
AB19775TH	D3812	3790003812
AB19868TH	D40CE-3-24	3776821073
AB19869TH	D40CD-10-24	3776821072
AB19890TH	D3812	3790003812

Dempster

AB26480	C3841	3790003841
AB26635TH	C3810	3790003810
AB28805	SD63CD-2-177	3771433940
AB29246	D25LL-16-24	3772621136
AB29253	D25LL-12-16	3772621129
AB29264	D40DD-17-42	3776821070
AB29334	S63MB-14-163.12	3771413254
AB29335	S52DC-10-89.38	3771512077
AB29337	D40DD-19-22.50	3776821080
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AB29406	D35CD-10-20	3773821065
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BB5914	SD63CC-11-96	3771433044
BB5918	SD63CC-11-73	3771433025
BB5919	SD74CC-19-131	3772534061
BB6087	SD63CC-11-96	3771433044
BB6089	SD74CC-19-131	3772534061
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BB8748-1	D40CD-10-24	3776821072
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CB0796	D70CC-14-85	3773721112
CB11061	D40CC-25-32	3776821088
CB11062	D45CC-17-45	3771421039
CB1494	SF71-4-G1-24	3771311001
CB1757	D60CC-41-68.50	3771421238
CB3603	B4964	3790004964
CB3618	SD85CC-19-348	3772935026
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CB4748	S71CC-42-32	3772511102
CB4753	SD96CC-3-199	3773136009
CB5968	SD85CC-19-348	3772935026
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CB7015	SD53CC-16-111	3771533038
CB7478	SD72AC-1-156	3772532018
CB7599	SD96CC-3-199	3773136009
CB7661	SD72AC-1-156	3772532018
CB7770	SD63CC-11-96	3771433044
CB7771	SD74CC-19-131	3772534061
CB7772	SD63CC-11-73	3771433025
CB7781	SD53CC-16-111	3771533038
CB7947	SD72AC-1-156	3772532018

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Dempster

CB796	D70CC-14-85	3773721112
CB8217	SD96CC-3-199	3773136009
CB8245	SD85CC-20-156	3773035033
CB8321	SD85CC-19-348	3772935026
CS2009	D42GB-2-29	3771221002
CS-700	SF71-4-G1-24	3771311001
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DB1747	SD85CC-20-156	3773035033
DB1748	SD96CC-3-199	3773136009
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DB3452	D4432	3790004432
DB4752	SD85CC-20-156	3773035033
DB4753	SD96CC-3-199	3773136009
DB5801	SD96CC-3-199	3773136009
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DB7694	D3838	3790003838
DB7695	D70CC-14-85	3773721112
DB8008	D60CC-41-68.50	3771421238
DB8042	D50CB-8-27	3777921058
DB8043	C3810	3790003810
DB8044	S35CC-4-37	3776815004
DB8045	SD94CC-9-190	3773134006
DB8052	B4807	3790004807
DB8142	D35CD-10-20	3773821065
DB8206	SD63CC-18-163	3771433043
DB8273	S63MB-14-163.12	3771413254
DB8286	D40DD-16-22.50	3776821069
DB8318	S63MB-14-163.12	3771413254
DB8362	D25LL-16-24	3772621136
DB8439	D40DD-19-22.50	3776821080
DB8491	D40DD-17-42	3776821070
DB8809	S52DC-10-89.38	3771512077
DB9135	S52DC-10-89.38	3771512077
DB9151	C4784	3790004784
DB9168	B4801	3790004801
DB9169	B4802	3790004802
DB9350	SD74CC-19-131	3772534061
DB9361	SD63CD-2-177	3771433940
DB9467	D40DD-19-22.50	3776821080
HSTSP-10SR	D4432	3790004432
SP42-48	C4193	3790004193

Emco Rand

81-040	SD62MC-11-210	3771432042
81-054	SD62MC-11-171	3771432040
81-070	SD62MC-12-171	3771432044
81-071	SD62MC-12-234	3771432047
81-072	SD62MC-12-210	3771432046
81-073	SD62MC-12-186	3771432045
81-075	SD62MC-12-171	3771432044
81-076	SD62MC-12-234	3771432047
81-078	SD62MC-12-186	3771432045
81-079	SD62MC-12-210	3771432046
81-089	SD62MC-12-171	3771432044
81-091	SD62MC-12-210	3771432046
81-092	SD62MC-12-234	3771432047

Ez Pack, McClain, Clean Earth, Peabody Galion

104176ADA	SD94CC-7-176	3778634004
20-04001	3782000014	3782000014
20-35489	SD94CC-7-176	3778634004
20-35522	C3862	3790003862
20-35883	D30DD-7-21.12	3770521057
20-35908	D40DL-2-30.38	3776821029
20-36259	D4107	3790004107
20-36393	D40DD-10-21.62	3776821019
20-39032	SD94CC-7-176	3778634004
20-39762	C3864	3790003864

Ez Pack, McClain, Clean Earth, Peabody Galion

20-41381	D40CB-7-42	3776821030
20-41382	C3915	3790003915
20-42616	SD94CC-7-176	3778634004
20-43726	D40DB-3-28.5	3776821022
20-43727	D40DB-3-28.5	3776821022
20-44095	D60DC-7-42.62	3771421134
20-44125	D40LB-1-35.31	3776821021
20-44969	D40DB-3-28.5	3776821022
20-44973	D60DC-7-42.62	3771421134
20-45169	D40LB-1-35.31	3776821021
20-45176	C3864	3790003864
20-45450	D60DB-16-67.5	3771421181
20-46008	D25DD-5-63	3772621138
20-46012	D35LD-2-16.5	3774021003
20-46076	D40DB-3-28.5	3776821022
20-46077	D60DC-7-42.62	3771421134
20-46119	D45CD-3-49.12	3774121013
20-46132	C3864	3790003864
20-46133	C3871	3790003871
20-46134	C3862	3790003862
20-46138	C3861	3790003861
20-46139	D60DB-16-67.5	3771421181
20-46141	D25DD-5-63	3772621138
20-46142	D35LD-2-16.5	3774021003
20-46151	D30DD-7-21.12	3770521057
20-46152	D35DL-2-26.31	3774021006
20-46153	D40DL-2-30.38	3776821029
20-46154	D4054	3790004054
20-46155	D40DD-10-21.62	3776821019
20-46156	D4107	3790004107
20-46157	C3915	3790003915
20-46159	D40CB-7-42	3776821030
20-46163	D45CD-3-49.12	3774121013
20-46171	D45CD-3-49.12	3774121013
20-46249	D40LB-1-35.31	3776821021
20-46332	D60DC-8-60	3771421161
20-46372	D40DB-3-28.5	3776821022
20-46448	B4789	3790004789
20-46482	B4789	3790004789
20-47048	D30LD-2-33.38	3770521048
20-47088	D40CB-7-42	3776821030
20-47090	D40LB-1-35.31	3776821021
20-47091	D40DB-3-28.5	3776821022
20-47092	D60DC-7-42.62	3771421134
20-47491	D30DD-7-21.12	3770521057
20-47492	D40DL-2-30.38	3776821029
20-47868	D35LD-3-23.25	3774021004
20-48279	D60DC-7-42.62	3771421134
20-48496	SD94CC-7-176	3778634004
20-48519	D55CC-3-49.13	3771921032
20-48520	D30DD-4-89	3770521049
20-48524	D40LD-2-16.5	3776821020
20-48858	D35DB-2-14.25	3774021007
20-49142	D60DB-16-67.5	3771421181
20-49271	D35LD-2-16.5	3774021003
20-49272	D35LD-3-23.25	3774021004
20-49273	D45CD-3-49.12	3774121013
20-49276	D35LD-2-16.5	3774021003
20-49277	D45CD-3-49.12	3774121013
20-49278	D35LD-3-23.25	3774021004
20-49348	D30DD-9-23	3770521067
20-49480	D60DB-16-67.5	3771421181
20-49774	D55CC-2-38.31	3771921030
20-49775	D40CC-16-24.81	3776821024
20-49897	D40DB-3-28.5	3776821022
20-49898	D60DC-7-42.62	3771421134
20-49952	D35LD-2-16.5	3774021003
20-49999	D35LD-2-16.5	3774021003
20-50000	D35LD-3-23.25	3774021004

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20-52030	D4354	3790004354
20-52031	D4353	3790004353
20-52344	D45CD-3-49.12	3774121013
20-52345	D35LD-2-16.5	3774021003
20-52346	D35LD-3-23.25	3774021004
20-52347	D30LD-2-33.38	3770521048
20-52348	D30DD-4-89	3770521049
20-52349	D60DB-16-67.5	3771421181
20-52355	D55CC-3-49.13	3771921032
20-52356	D40LD-2-16.5	3776821020
20-52357	D40DD-10-21.62	3776821019
20-52362	D25DD-5-63	3772621138
21-01365	SD62CC-23-70	3771432062
21-01366	SD62CC-23-81	3771432061
21-01367	SD62CC-23-92	3771432060
21-01368	SD63CC-47-124	3771433928
21-01369	SD74CC-18-162.88	3772534060
21-01370	SD62CC-24-82.5	3771432064
21-01371	SD62CC-24-96.5	3771432063
21-01372	SD63CC-27-129	3771433074
21-01374	SD74CC-15-167.50	3772534049
21-01375	SD52CC-25-68.5	3771532053
21-01376	SD52CC-25-82.5	3771532054
21-01377	SD52CC-25-96.5	3771532052
21-01378	SD53CC-30-129	3771533066
21-01379	SD42CC-22-57	3771032027
21-01381	SD52CC-25-92.5	3771532055
21-01382	SD53CC-30-117.25	3771533057
21-01438	S63DC-54-79.31	3771413158
21-01492	S53DC-18-64.75	3771513098
21-01530	D60DC-7-42.62	3771421134
21-01531	D40DB-3-28.5	3776821022
21-01532	D40LB-1-35.31	3776821021
21-01549	D30DL-1-18.5	3770521052
21-01629	S31LC-1-28.56	3770711027
21-01630	D30DD-7-21.12	3770521057
21-01631	D40DL-2-30.38	3776821029
21-01632	S31CC-24-23.56	3770711028
21-01633	SD53CC-29-91.50	3771533056
21-01634	D30DD-6-18	3770521051
21-01635	D35DL-2-26.31	3774021006
21-01644	S52DB-7-53.62	3771512052
21-01646	S31LC-2-27.5	3770711030
21-01647	D35CD-6-24.81	3773821031
21-01648	D45CC-3-38.31	3775221022
21-01765	SD63CC-27-129	3771433074
21-01819	S53DB-16-82	3771513160
21-01883	D40CC-16-24.81	3776821024
21-01947	D30LC-2-31.5	3770521105
21-01954	D55CC-2-38.31	3771921030
21-01987	SD63CB-12-197	3771433903
21-02112	S53DB-16-92	3771513161
21-02113	S53DB-16-71	3771513159
21-02220	D40DB-3-25.62	3776821025
21-02610	D40DB-3-25.62	3776821025
21-02804	D30DL-2-15.375	3770521054
21-02830	D60DC-8-60	3771421161
21-02832	D40CB-7-42	3776821030
21-02833	D35DB-2-14.25	3774021007
21-03153	D40LD-3-24.75	3776821027
21-03228	D50CB-3-42	3777921005
21-03390	D45LD-6-24	3774121017
21-03471	D35DL-2-26.31	3774021006
21-03472	D40DL-2-30.38	3776821029
21-03854	SD52CB-6-132.75	3771532057
21-03855	D35CD-7-51.31	3774021009
21-03856	D30CD-7-24.75	3770521058
21-03857	D25DD-4-24	3772621097
21-04001	3782000014	3782000014

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21-04321	D30CC-8-10.88	3770521061
21-04322	D30CC-7-4.19	3770521060
21-04323	D50CC-14-14.81	3777921006
21-04324	D30CC-9-12.56	3770521062
21-04325	D30CC-9-12.06	3770521063
21-04326	D30CC-9-9.50	3770521064
21-04327	D30CC-9-8.38	3770521065
21-04533	D30DD-9-23	3770521067
21-04536	SD63CB-12-132	3771433902
21-04537	SD63CB-12-167	3771433901
21-04538	SD63CB-12-197	3771433903
21-04920	SD62CC-25-132	3771432068
21-04945	D30DD-9-23	3770521067
21-05358	D45CD-2-49.12	3774121012
21-05843	D25DD-5-89	3772621137
21-06096	SD63CB-27-167	3771433935
21-06097	SD63CB-27-195	3771433936
21-06343	D45CD-2-51.31	3774121014
21-06957	B5607	3790005607
21-07434	D30LD-4-24	3770521071
21-07940	D60DB-16-67.5	3771421181
21-09213	D40LD-4-21.75	3776821041
21-09214	D45LD-5-21.75	3774121016
21-09228	D40LD-5-24.75	3776821042
21-09229	D45LD-6-24	3774121017
21-10044	D40LD-6-24.75	3776821044
21-10344	SD62CC-27-133	3771432074
21-10661	D50CB-6-40	3777921038
21-11441	SD52CB-10-132.19	3771532073
21-11903	S64DC-11-99	3771414048
21-11904	S53DC-21-81	3771513143
21-11905	S53DC-21-65	3771513142
21-12474	D60DB-16-67.5	3771421181
21-12475	D60DB-18-67	3771421184
21-12851	D55CC-3-49.13	3771921032
21-14634	D40CC-16-24.81	3776821024
21-14635	D55CC-2-38.31	3771921030
21-14636	D30LC-2-31.5	3770521105
21-14638	SD62CC-24-96.5	3771432063
21-14639	SD63CC-27-129	3771433074
21-14643	SD74CC-15-167.50	3772534049
21-14653	D45CC-3-38.31	3775221022
21-14654	SD52CC-25-68.5	3771532053
21-14655	SD52CC-25-82.5	3771532054
21-14656	SD52CC-25-96.5	3771532052
21-14657	SD53CC-30-129	3771533066
21-14658	D40DB-3-28.5	3776821022
21-14659	D60DC-7-42.62	3771421134
21-14660	D40LB-1-35.31	3776821021
21-14661	D40DB-3-25.62	3776821025
21-14662	SD74CC-18-162.88	3772534060
21-14663	SD63CC-47-124	3771433928
21-14664	SD62CC-23-92	3771432060
21-14665	SD62CC-23-81	3771432061
21-14667	D60DC-8-60	3771421161
21-14668	D30DL-2-15.375	3770521054
21-14670	D30DD-7-21.12	3770521057
21-14671	D40DL-2-30.38	3776821029
21-14672	S31LC-1-28.56	3770711027
21-14673	SD53CC-30-117.25	3771533057
21-14674	SD42CC-22-57	3771032027
21-14675	D30DD-6-18	3770521051
21-14676	D35DL-2-26.31	3774021006
21-14677	S31CC-24-23.56	3770711028
21-14678	SD53CC-29-91.50	3771533056
21-14679	D40LD-6-24.75	3776821044
21-14767	SD53CB-12-146	3771933008
21-14769	SD63CB-13-180	3771433919
2114770	SD53CB-11-180.5	3771933006

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21-14770	SD53CB-11-180.5	3771933006
21-14771	SD53CB-12-180.5	3771933007
21-14773	D56CC-2-67.50	3775921010
21-14783	D56CC-2-67.50	3775921010
21-15639	D55CC-3-49.13	3771921032
21-15640	D45LD-6-24	3774121017
21-15641	D45CD-2-49.12	3774121012
21-15642	D40LD-5-24.75	3776821042
21-15643	D35CD-7-51.31	3774021009
21-15644	D30LD-2-33.38	3770521048
21-15645	D45CD-2-51.31	3774121014
21-15646	D30DD-4-89	3770521049
21-15647	D30DD-9-23	3770521067
21-15648	D50CB-3-42	3777921005
21-15649	S53DC-21-81	3771513143
21-15770	SD63CB-12-167	3771433901
21-15771	SD63CB-27-167	3771433935
21-15772	SD63CB-12-197	3771433903
21-15773	SD63CB-12-132	3771433902
21-15774	D45LD-5-21.75	3774121016
21-15775	D40LD-4-21.75	3776821041
21-15777	SD52CB-10-132.19	3771532073
21-15953	SD63CB-13-146	3771433920
21-16048	SD52CB-6-132.75	3771532057
2534DAA	C3915	3790003915
2563ADA	D25DD-5-63	3772621138
30-00147	S63DC-61-92	3771413159
3021CDA	D30DD-7-21.12	3770521057
3021GDA	D30DD-7-21.12	3770521057
3024CDA	3782000014	3782000014
31-00085	D35BC-1-39	3777121002
31-00086	D25BD-1-24	3770121100
31-00118	D25BD-1-40.5	3770121099
31-00119	D40CC-18-48	3775621004
3516BDA	D35LD-2-16.5	3774021003
3526EDA	C3864	3790003864
3526GDA	C3864	3790003864
4021EDA	D40DD-10-21.62	3776821019
4028BDA	D40DB-3-28.5	3776821022
4028CDA	D40DB-3-28.5	3776821022
4028DA	D40DB-3-28.5	3776821022
4030DA	D40DL-2-30.38	3776821029
4030EDA	D40DL-2-30.38	3776821029
4035CDA	D40LB-1-35.31	3776821021
4035EDA	D40LB-1-35.31	3776821021
4522EDA	C3862	3790003862
4526BDA	C3871	3790003871
4548BDA	C3861	3790003861
4549DA	D45CD-3-49.12	3774121013
5292DA	SD52CC-25-92.5	3771532055
53117DA	SD53CC-30-117.25	3771533057
5381B	S53DC-64-80.75	3771513162
5532ADA	D4107	3790004107
5532CDA	D4107	3790004107
5532EDA	D4107	3790004107
6042ADA	D60DC-7-42.62	3771421134
6042DA	D60DC-7-42.62	3771421134
6067DA	D60DB-16-67.5	3771421181
6282DA	SD62CC-20-82	3771432054
6292BDA	SD62CC-23-92	3771432060
6292DA	SD62CC-22-92	3771432058
63124BDA	SD63CC-47-124	3771433928
63124DA	SD63CC-47-124	3771433928
63124DDA	SD63CC-47-124	3771433928
6380	S63DC-54-79.31	3771413158
70-1010	SD85CC-20-156	3773035033
70-1032	SD62CC-20-82	3771432054
70-1114	S63DC-54-79.31	3771413158
70-1235	SD85CC-20-156	3773035033

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70-1251	SD85CC-19-378	3772935027
70-1259	S53DC-64-80.75	3771513162
70-1276	SD53CC-29-91.50	3771533056
70-1308	SD52CC-25-92.5	3771532055
70-1309	SD53CC-30-117.25	3771533057
70-1420	SD94CC-7-176	3778634004
70-1422	SD74CC-18-162.88	3772534060
70-1464	SD62CC-23-92	3771432060
70-1465	SD63CC-47-124	3771433928
70-1478	SD63CC-47-124	3771433928
70-1487	S53DC-64-80.75	3771513162
70-1488	S63DC-54-79.31	3771413158
70-1499	S53DB-16-82	3771513160
70-1503	SD94CC-7-176	3778634004
70-1504	SD53CC-29-91.50	3771533056
70-1506	SD52CC-25-92.5	3771532055
70-1507	SD62CC-23-92	3771432060
70-1508	SD74CC-18-162.88	3772534060
70-1510	SD85CC-19-378	3772935027
70-1511	SD62CC-20-82	3771432054
70-1546	SD74CC-18-162.88	3772534060
70-1547	SD62CC-23-92	3771432060
70-1548	SD63CC-47-124	3771433928
70-1549	SD85CC-19-378	3772935027
70-1566	SD52CC-25-92.5	3771532055
70-1567	S31LC-1-28.56	3770711027
70-1574	SD94CC-7-176	3778634004
70-1575	SD94CC-7-176	3778634004
70-1577	SD53CC-30-117.25	3771533057
70-1579	SD62CC-23-70	3771432062
70-1581	SD42CC-22-57	3771032027
70-1592	SD63CB-12-167	3771433901
70-1595	S31LC-2-27.5	3770711030
70-1598	SD52CC-25-96.5	3771532052
70-1599	SD53CC-30-129	3771533066
70-1600	SD52CC-25-82.5	3771532054
70-1601	SD63CB-12-132	3771433902
70-1602	SD52CC-25-92.5	3771532055
70-1612	SD52CC-25-68.5	3771532053
70-1616	SD63CC-47-124	3771433928
70-1617	SD62CC-23-81	3771432061
70-1618	SD62CC-23-92	3771432060
70-1619	SD63CB-12-167	3771433901
70-1621	SD52CC-25-92.5	3771532055
70-1622	SD52CC-25-96.5	3771532052
70-1625	SD42CC-22-57	3771032027
70-1626	SD53CC-30-117.25	3771533057
70-1627	SD63CB-12-132	3771433902
70-1631	SD74CC-18-162.88	3772534060
70-1632	SD85CC-19-378	3772935027
70-1639	SD53CC-30-129	3771533066
70-1653	S53DC-64-80.75	3771513162
70-1659	S63DC-54-79.31	3771413158
70-1660	S63DC-61-92	3771413159
70-1670	S53DC-18-64.75	3771513098
70-1674	SD52CC-25-68.5	3771532053
70-1681	SD62CC-24-82.5	3771432064
70-1682	SD62CC-24-96.5	3771432063
70-1683	SD63CC-27-129	3771433074
70-1685	SD74CC-15-167.50	3772534049
70-1687	SD62CC-24-82.5	3771432064
70-1688	SD62CC-24-96.5	3771432063
70-1689	SD63CC-27-129	3771433074
70-1691	SD74CC-15-167.50	3772534049
70-1704	S31LC-1-28.56	3770711027
70-1705	SD53CC-30-129	3771533066
70-1706	SD63CC-27-129	3771433074
70-1720	SD52CC-25-82.5	3771532054
70-1722	S53DB-16-92	3771513161

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70-1725	SD74CC-15-167.50	3772534049
70-1726	SD62CC-24-96.5	3771432063
70-1727	SD63CC-47-124	3771433928
70-1730	SD63CB-12-167	3771433901
70-1731	SD63CB-12-132	3771433902
70-1732	S53DC-64-80.75	3771513162
7078DA	D4054	3790004054
74162DA	SD74CC-18-162.88	3772534060
85378DA	SD85CC-19-378	3772935027
94176CDA	SD94CC-7-176	3778634004
94176DA	SD94CC-7-176	3778634004
94176HDA	SD94CC-7-176	3778634004
C2523E	S31CC-24-23.56	3770711028
C3015HDA	D30DL-2-15.375	3770521054
C3018HDA	D30DD-6-18	3770521051
C3021MDA	D30DD-7-21.12	3770521057
C3023GDA	D30DD-9-23	3770521067
C3031DDA	D30LC-2-31.5	3770521105
C3033EDA	D30LD-2-33.38	3770521048
C3089BDA	D30DD-4-89	3770521049
C3128G	S31LC-1-28.56	3770711027
C3128K	S31LC-1-28.56	3770711027
C3526PDA	D35DL-2-26.31	3774021006
C3551BDA	D35CD-7-51.31	3774021009
C4022CDA	D40LD-4-21.75	3776821041
C4025MDA	D40CC-16-24.81	3776821024
C4025NDA	D40DB-3-25.62	3776821025
C4025PDA	D40LD-6-24.75	3776821044
C4025RDA	D40LD-5-24.75	3776821042
C4028MDA	D40DB-3-28.5	3776821022
C4030MDA	D40DL-2-30.38	3776821029
C4035MDA	D40LB-1-35.31	3776821021
C4257ADA	SD42CC-22-57	3771032027
C4257CDA	SD42CC-22-57	3771032027
C4522LOA	D45LD-5-21.75	3774121016
C4525BDA	D45LD-6-24	3774121017
C4538DDA	D45CC-3-38.31	3775221022
C4549NDA	D45CD-2-49.12	3774121012
C4551EDA	D45CD-2-51.31	3774121014
C5042BDA	D50CB-3-42	3777921005
C5067EDA	D56CC-2-67.50	3775921010
C52133BDA	SD52CB-10-132.19	3771532073
C52133CDA	SD52CB-6-132.75	3771532057
C5269CDA	SD52CC-25-68.5	3771532053
C5269EDA	SD52CC-25-68.5	3771532053
C5283BDA	SD52CC-25-82.5	3771532054
C5283EDA	SD52CC-25-82.5	3771532054
C5292FDA	SD52CC-25-92.5	3771532055
C5297CDA	SD52CC-25-96.5	3771532052
C5297EDA	SD52CC-25-96.5	3771532052
C53117EDA	SD53CC-30-117.25	3771533057
C53117JDA	SD53CC-30-117.25	3771533057
C53129CDA	SD53CC-30-129	3771533066
C53129EDA	SD53CC-30-129	3771533066
C5365K	S53DC-18-64.75	3771513098
C5381K	S53DC-64-80.75	3771513162
C5381ZDA	S53DC-21-81	3771513143
C5390A	S53DB-16-92	3771513161
C5391EDA	SD53CC-29-91.50	3771533056
C5538DDA	D55CC-2-38.31	3771921030
C5549CDA	D55CC-3-49.13	3771921032
C6042MDA	D60DC-7-42.62	3771421134
C6060DDA	D60DC-8-60	3771421161
C6281BDA	SD62CC-23-81	3771432061
C6283BDA	SD62CC-24-82.5	3771432064
C6292BDA	SD62CC-23-92	3771432060
C6292HDA	SD62CC-23-92	3771432060
C6292KDA	SD62CC-23-92	3771432060
C6297BDA	SD62CC-24-96.5	3771432063

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C6297CDA	SD62CC-24-96.5	3771432063
C6297FDA	SD62CC-24-96.5	3771432063
C63124HDA	SD63CC-47-124	3771433928
C63124JDA	SD63CC-47-124	3771433928
C63124MDA	SD63CC-47-124	3771433928
C63129BDA	SD63CC-27-129	3771433074
C63129CDA	SD63CC-27-129	3771433074
C63133ADA	SD63CB-12-132	3771433902
C63133EDA	SD63CB-12-132	3771433902
C63167BDA	SD63CB-12-167	3771433901
C63167HDA	SD63CB-12-167	3771433901
C63167JDA	SD63CB-27-167	3771433935
C63198DDA	SD63CB-12-197	3771433903
C6380R	S63DC-54-79.31	3771413158
C6392J	S63DC-61-92	3771413159
C74162DDA	SD74CC-18-162.88	3772534060
C74162EDA	SD74CC-18-162.88	3772534060
C74168BDA	SD74CC-15-167.50	3772534049
C74168DDA	SD74CC-15-167.50	3772534049
C74168FDA	SD74CC-15-167.50	3772534049
C85378DDA	SD85CC-19-378	3772935027
D104176CDA	SD94CC-7-176	3778634004
D104176DDA	SD94CC-7-176	3778634004
D2534CDA	C3915	3790003915
D2534GDA	C3915	3790003915
D2563BDA	D25DD-5-63	3772621138
D30103ADA	B4789	3790004789
D30103BDA	B4789	3790004789
D3021GDA	D30DD-7-21.12	3770521057
D3021HDA	D30DD-7-21.12	3770521057
D3023BDA	D30DD-9-23	3770521067
D3033ADA	D30LD-2-33.38	3770521048
D3089DA	D30DD-4-89	3770521049
D3127A	S31LC-2-27.5	3770711030
D3128D	S31LC-1-28.56	3770711027
D3514CDA	D35DB-2-14.25	3774021007
D3516CDA	D35LD-2-16.5	3774021003
D3516GDA	D35LD-2-16.5	3774021003
D3516JDA	D35LD-2-16.5	3774021003
D3516KDA	D35LD-2-16.5	3774021003
D3523BDA	D35LD-3-23.25	3774021004
D3523DA	D35LD-3-23.25	3774021004
D3526HDA	C3864	3790003864
D3526JDA	D35DL-2-26.31	3774021006
D4016DA	D40LD-2-16.5	3776821020
D4021EDA	D40DD-10-21.62	3776821019
D4021JDA	D40DD-10-21.62	3776821019
D4025ADA	D40CC-16-24.81	3776821024
D4028DDA	D40DB-3-28.5	3776821022
D4028EDA	D40DB-3-28.5	3776821022
D4028FDA	D40DB-3-28.5	3776821022
D4028KDA	D40DB-3-28.5	3776821022
D4030EDA	D40DL-2-30.38	3776821029
D4030FDA	D40DL-2-30.38	3776821029
D4035HDA	D40LB-1-35.31	3776821021
D4035JDA	D40LB-1-35.31	3776821021
D4042BDA	D40CB-7-42	3776821030
D4042CDA	D40CB-7-42	3776821030
D4254B	70-1498	3709999074
D4254C	70-1498	3709999074
D4257DA	SD42CC-22-57	3771032027
D4522JDA	C3862	3790003862
D4526BDA	C3871	3790003871
D4548BDA	C3861	3790003861
D4549ADA	D45CD-3-49.12	3774121013
D4549BDA	D45CD-3-49.12	3774121013
D4549DDA	D45CD-3-49.12	3774121013
D4549EDA	D45CD-3-49.12	3774121013
D5269BDA	SD52CC-25-68.5	3771532053

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D5283ADA	SD52CC-25-82.5	3771532054
D5292CDA	SD52CC-25-92.5	3771532055
D5292DDA	SD52CC-25-92.5	3771532055
D5292EDA	SD52CC-25-92.5	3771532055
D5297ADA	SD52CC-25-96.5	3771532052
D53117DDA	SD53CC-30-117.25	3771533057
D53129ADA	SD53CC-30-129	3771533066
D53129BDA	SD53CC-30-129	3771533066
D5381G	S53DC-64-80.75	3771513162
D5382C	S53DB-16-82	3771513160
D5391ADA	SD53CC-29-91.50	3771533056
D5532EDA	D4107	3790004107
D5538ADA	D55CC-2-38.31	3771921030
D5549DA	D55CC-3-49.13	3771921032
D6042BDA	D60DC-7-42.62	3771421134
D6042CDA	D60DC-7-42.62	3771421134
D6042DDA	D60DC-7-42.62	3771421134
D6042HDA	D60DC-7-42.62	3771421134
D6060DA	D60DC-8-60	3771421161
D6067ADA	D60DB-16-67.5	3771421181
D6067BDA	D60DB-16-67.5	3771421181
D6067EDA	D60DB-16-67.5	3771421181
D6270DA	SD62CC-23-70	3771432062
D6281DA	SD62CC-23-81	3771432061
D6282FDA	SD62CC-20-82	3771432054
D6283ADA	SD62CC-24-82.5	3771432064
D6292CDA	SD62CC-23-92	3771432060
D6292EDA	SD62CC-23-92	3771432060
D6297ADA	SD62CC-24-96.5	3771432063
D63124FDA	SD63CC-47-124	3771433928
D63124HDA	SD63CC-47-124	3771433928
D63129ADA	SD63CC-27-129	3771433074
D63133DA	SD63CB-12-132	3771433902
D63167DA	SD63CB-12-167	3771433901
D6380L	S63DC-54-79.31	3771413158
D7078ADA	D4054	3790004054
D74162ADA	SD74CC-18-162.88	3772534060
D74162BDA	SD74CC-18-162.88	3772534060
D74168ADA	SD74CC-15-167.50	3772534049
D85378BDA	SD85CC-19-378	3772935027
D85378CDA	SD85CC-19-378	3772935027
H104176ADA	SD94CC-7-176	3778634004
J3516HDA	D35LD-2-16.5	3774021003
J4549FDA	D45CD-3-49.12	3774121013
K2523D	S31CC-24-23.56	3770711028
K2524DA	D25DD-4-24	3772621097
K2563EDA	D25DD-5-63	3772621138
K2589ADA	D25DD-5-89	3772621137
K3004DA	D30CC-7-4.19	3770521060
K3008DA	D30CC-9-8.38	3770521065
K3009DA	D30CC-9-9.50	3770521064
K3011DA	D30CC-8-10.88	3770521061
K3012DA	D30CC-9-12.06	3770521063
K3013DA	D30CC-9-12.56	3770521062
K3015GDA	D30DL-2-15.375	3770521054
K3018FDA	D30DL-1-18.5	3770521052
K3018GDA	D30DD-6-18	3770521051
K3021LDA	D30DD-7-21.12	3770521057
K3023DDA	D30DD-9-23	3770521067
K3023EDA	D30DD-9-23	3770521067
K3025BDA	D30CD-7-24.75	3770521058
K3025CDA	D30LD-4-24	3770521071
K3031CDA	D30LC-2-31.5	3770521105
K3033DDA	D30LD-2-33.38	3770521048
K3089ADA	D30DD-4-89	3770521049
K3127E	S31LC-2-27.5	3770711030
K3128J	S31LC-1-28.56	3770711027
K3514DDA	D35DB-2-14.25	3774021007
K3516LDA	D35LD-2-16.5	3774021003

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K3523FDA	D35LD-3-23.25	3774021004
K3525GDA	D35CD-6-24.81	3773821031
K3526LDA	D35DL-2-26.31	3774021006
K3526NDA	D35DL-2-26.31	3774021006
K3549CDA	D35CD-7-51.31	3774021009
K3551ADA	D35CD-7-51.31	3774021009
K4016FDA	D40LD-2-16.5	3776821020
K4021NDA	D40DD-10-21.62	3776821019
K4022BDA	D40LD-4-21.75	3776821041
K4025EDA	D4354	3790004354
K4025FDA	D40CC-16-24.81	3776821024
K4025GDA	D40DB-3-25.62	3776821025
K4025JDA	D40LD-3-24.75	3776821027
K4025KDA	D40LD-5-24.75	3776821042
K4025LDA	D40LD-6-24.75	3776821044
K4028LDA	D40DB-3-28.5	3776821022
K4030JDA	D40DL-2-30.38	3776821029
K4030LDA	D40DL-2-30.38	3776821029
K4035LDA	D40LB-1-35.31	3776821021
K4042DDA	D40CB-7-42	3776821030
K4257BDA	SD42CC-22-57	3771032027
K4522KDA	D45LD-5-21.75	3774121016
K4525ADA	D45LD-6-24	3774121017
K4525DA	D45LD-6-24	3774121017
K4538FDA	D45CC-3-38.31	3775221022
K4542DA	B5607	3790005607
K4549KDA	D4353	3790004353
K4549LDA	D45CD-3-49.12	3774121013
K4549MDA	D45CD-2-49.12	3774121012
K4551CDA	D45CD-2-51.31	3774121014
K5015ADA	D50CC-14-14.81	3777921006
K5015DA	D50CC-14-14.81	3777921006
K5040ADA	D50CB-6-40	3777921038
K5040BDA	D50CB-6-40	3777921038
K5042ADA	D50CB-3-42	3777921005
K5067CDA	D56CC-2-67.50	3775921010
K52133ADA	SD52CB-10-132.19	3771532073
K52133DA	SD52CB-6-132.75	3771532057
K5253A	S52DB-7-53.62	3771512052
K5269DDA	SD52CC-25-68.5	3771532053
K5283DDA	SD52CC-25-82.5	3771532054
K5292GDA	SD52CC-25-92.5	3771532055
K5297DDA	SD52CC-25-96.5	3771532052
K53117HDA	SD53CC-30-117.25	3771533057
K53129DDA	SD53CC-30-129	3771533066
K53146BDA	SD53CB-12-146	3771933008
K53180ADA	SD53CB-11-180.5	3771933006
K53180BDA	SD53CB-12-180.5	3771933007
K5365B	S53DC-18-64.75	3771513098
K5365CDA	S53DC-21-65	3771513142
K5371J	S53DB-16-71	3771513159
K5381N	S53DC-64-80.75	3771513162
K5381XDA	S53DC-21-81	3771513143
K5382V	S53DB-16-82	3771513160
K5390B	S53DB-16-92	3771513161
K5391CDA	SD53CC-29-91.50	3771533056
K5538CDA	D55CC-2-38.31	3771921030
K5549ADA	D55CC-3-49.13	3771921032
K5549BDA	D55CC-3-49.13	3771921032
K6042LDA	D60DC-7-42.62	3771421134
K6060CDA	D60DC-8-60	3771421161
K6067GDA	D60DB-16-67.5	3771421181
K6067HDA	D60DB-16-67.5	3771421181
K6067JDA	D60DB-16-67.5	3771421181
K62133ADA	SD62CC-25-132	3771432068
K62133BDA	SD62CC-27-133	3771432074
K6267KDA	D60DB-18-67	3771421184
K6270ADA	SD62CC-23-70	3771432062
K6281ADA	SD62CC-23-81	3771432061

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K6283CDA	SD62CC-24-82.5	3771432064
K6292JDA	SD62CC-23-92	3771432060
K6297DDA	SD62CC-24-96.5	3771432063
K63124LDA	SD63CC-47-124	3771433928
K63129DDA	SD63CC-27-129	3771433074
K63129EDA	SD63CC-27-129	3771433074
K63133CDA	SD63CB-12-132	3771433902
K63133DDA	SD63CB-12-132	3771433902
K63146ADA	SD63CB-13-146	3771433920
K63167DDA	SD63CB-12-167	3771433901
K63167FDA	SD63CB-12-167	3771433901
K63167GDA	SD63CB-27-167	3771433935
K63180BDA	SD63CB-13-180	3771433919
K63198ADA	SD63CB-12-197	3771433903
K63198BDA	SD63CB-12-197	3771433903
K63198CDA	SD63CB-27-195	3771433936
K6380U	S63DC-54-79.31	3771413158
K6392N	S63DC-61-92	3771413159
K6499ADA	S64DC-11-99	3771414048
K74162CDA	SD74CC-18-162.88	3772534060
K74168EDA	SD74CC-15-167.50	3772534049

G S Products

11071 GS	D45CC-18-16.00	3774121040
11080 GS	D40CC-26-91.50	3770821048
11085 GS	D40CC-26-69.00	3770821049

G+H Mfg

020116	SD63DB-20-115.81	3771433943
020133	SD53CB-9-133	3771533044
020210	D70DD-6-79	3773721109
50393	D70DD-6-79	3773721109
5530001	SD53CB-9-150	3771533045
5530002	SD53CB-9-133	3771533044
7X116GH22778	SD73DB-10-115	3772533078
A1162	3782000052	3782000052
A2610	D50CD-4-30	3777921071
A2823	D25AA-2-3.00	3772621143
A4455	D40DD-22-15	3776821087
A4456	D45DD-8-16.75	3774121038
DAT62-61-79 GH	SD62DB-6-79	3771432081
FA1001	D60DD-16-79	3771421241
FA1002	D70DD-8-79	3773721113
H1232	SD53CB-9-133	3771533044
H1233	SD53CB-9-150	3771533045
H1234	D50CD-4-30	3777921071
H1235	D40DD-22-15	3776821087
H1238	D45DD-8-16.75	3774121038
H2208	SD73DB-10-115	3772533078
H3291 NPT Ports	D60DD-14-79	3771421222
H3291 O-Ring Ports	D60DD-16-79	3771421241
H3292 NPT Ports	D70DD-6-79	3773721109
H3292 SAE Ports	D70DD-8-79	3773721113
H5176	D70DD-6-79	3773721109
PI331	D60DD-14-79	3771421222
PH-020-116	SD63DB-20-115.81	3771433943
PH-020-129	SD53CB-8-128	3771533040
PH-020-157	SD53CB-8-157	3771533041
PH-020-168	D60DD-14-79	3771421222
PH-020-201	D70DD-6-79	3773721109
PH-020-803	D50CD-4-30	3777921071

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1031	D35BB-1-80	3774021012
1039	D60DB-7-72	3771421147
1040	D60LN-2-80	3771421145
1043	D60DB-7-72	3771421147
1054	D70LN-2-80	3773721025
1111	SD63CB-23-118	3771433922

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1119	D40BB-2-80	3776821036
1124	D70LN-2-108	3773721022
1126	D60DB-7-72	3771421147
1163	D70LN-2-108	3773721022
1656	D35BB-1-60	3774021011
1944	SD52CB-7-79	3771532059
2145	D60DB-9-136	3771421156
2419	SD62CB-12-114	3771432079
2420	SD62CB-12-79	3771432077
2452	D70LN-2-75	3773721021
2455	D70LN-2-90	3773721023
2460	D70LN-2-80	3773721025
2461	D70LN-2-108	3773721022
2463	D70LN-2-90	3773721023
2464	D35BB-1-80	3774021012
2476	D60LN-2-80	3771421145
2477	D60LN-2-75	3771421148
2494	SD62CB-12-94	3771432078
3062AO	D60LN-2-80	3771421145
3074	D35BB-1-80	3774021012
3090	D50DB-4-42	3777921009
3091	D60BB-3-4.81	3771421139
3106	D60BB-3-4.81	3771421139
3116	SD62CB-12-114	3771432079
3130	D70LN-2-108	3773721022
3131	SD62CB-12-94	3771432078
3139	SD62CB-12-114	3771432079
3242	SD62CB-12-94	3771432078
3412	D60DB-7-72	3771421147
3421	D50DB-2-54	3777921011
3429	D35BB-1-60	3774021011
3467	D50DB-8-66	3777921013
3511	D50DB-8-66	3777921013
3513	D30CD-8-16	3770521069
3520	D50DB-8-66	3777921013
3608	D30DB-1-32	3770521070
3653	S31CB-1-32	3770711031
3654	D60DB-8-72	3771421153
3657	D65DB-2-144	3773921044
3759	D50DB-2-54	3777921011
3760	D50DB-8-66	3777921013
3761	D60DB-10-90	3771421154
3763	D50DB-1-20	3777921007
3765	D50DB-4-42	3777921009
3766	D50DB-4-42	3777921009
3890	D35CD-8-32	3774021015
3891	D40CD-7-29.50	3776821033
3902	SD62CB-12-114	3771432079
3903	SD62CB-12-94	3771432078
3904	SD85DB-6-248	3772935042
4073	SD85DB-6-272	3772935043
4163	SD85DB-6-272	3772935043
4164	SD74DB-9-200	3772534047
4191	D35BB-1-60	3774021011
4271	D50DB-2-54	3777921011
4272	D50DB-8-66	3777921013
4297	SD74DB-9-176	3772534046
4298	SD85DB-6-224	3772935041
4299	SD85DB-6-248	3772935042
4321	D50DB-8-66	3777921013
4322	D60DB-7-56	3771421152
4359	D50DB-4-42	3777921009
4383	SD74DB-9-200	3772534047
4516	SD63CB-14-136	3771433106
4557	D60DB-9-116	3771421155
4558	D70DB-4-116	3773721026
4585	SD63CB-14-173	3771433107
4635	D35BB-1-60	3774021011
4636	D35BB-1-80	3774021012

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4649	D35BB-2-38	3774021016
4815	D60LN-2-80	3771421145
4838	D40DD-12-24	3776821034
4866	D40DD-12-24	3776821034
4893	SD74DB-9-176	3772534046
5462	D50DB-1-20	3777921007
7392	D60BB-3-4.81	3771421139
8425	D50DB-12-54	3777921021
8433	D60LN-2-75	3771421148
8526	D40DD-11-32	3776821031
8679	D60DB-9-116	3771421155
8680	D70DB-4-116	3773721026
8789	D50DB-4-42	3777921009
8973	SD62CB-12-79	3771432077
8976	SD63DB-15-84	3771433108
9009	D50DB-8-66	3777921013
9010	D50DB-9-66	3777921014
9015	D50DB-5-54	3777921010
9016	D50DB-12-54	3777921021
9017	D50DB-3-42	3777921008
9018	D50DB-4-42	3777921009
9321	D60DN-2-90	3771421149
9374	D65DB-1-80	3774421020
9488	D65DB-2-144	3773921044
9498	SD42CB-5-192	3771032024
9500	D60BB-3-4.81	3771421139
9566	D70DC-2-81	3772521104
9587	D40HB-1-36	3776821032
9627	S53DC-17-180	3771513096
9759	D60DB-8-72	3771421153
9780	D40BB-1-48	3770821034
9814	D60DB-9-136	3771421156
9819	S53DC-17-180	3771513096
9846	D70LN-2-90	3773721023
9848	SD42CB-5-192	3771032024
9872	D60BB-3-4.81	3771421139
9889	D60LN-2-80	3771421145
9892	D60DN-2-90	3771421149
9900	D40BB-2-80	3776821036
9902	S53DC-17-180	3771513096
9912	D60DB-9-116	3771421155
9920	D60DB-7-72	3771421147
9921	D70LN-2-80	3773721025
9922	D70LN-2-108	3773721022
9923	D40BB-2-90	3776821037
9924	D70LN-2-75	3773721021
9932	D50BB-3-52	3777921016
9933	D30BB-1-37	3770521068
9934	D70DB-4-116	3773721026
A1056	SD85CC-19-378	3772935027
A1213	D60DC-9-78	3771421163
A1245	D60LN-2-75	3771421148
A1452	D62DB-10-116	3773921043
A1453	D60DC-9-78	3771421163
A1456	SD63CB-14-173	3771433107
A1465	SD63CB-14-173	3771433107
A1527	D60DB-7-72	3771421147
A1528	D70DC-2-81	3772521104
A1529	D70LN-2-80	3773721025
A1574	D65DB-2-144	3773921044
A1594	SD85DC-2-460	3772935015
A1606	SD63CB-23-118	3771433922
A1717	D70LN-2-80	3773721025
A1745	SD63CB-23-118	3771433922
A1793	D60DB-7-72	3771421147
A1888	D30BB-1-37	3770521068
A1889	D40BB-1-48	3770821034
A1890	D50BB-3-52	3777921016
A1891	D60BB-3-4.81	3771421139

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A1896	D70LN-2-75	3773721021
A1897	D70LN-2-80	3773721025
A1898	D70LN-2-90	3773721023
A1899	D70LN-2-108	3773721022
A1912	D60HB-3-52	3771421169
A1913	D70HB-3-24	3773721028
A1913C	D70HB-3-24	3773721028
A1915	D60HB-4-42	3771421170
A1916	D70HB-4-69	3773721029
A1917	D40HB-1-36	3776821032
A1918	D40HB-1-26	3776821035
A1922	D50DB-2-54	3777921011
A1924	D35DB-3-30	3774021013
A1925	D35HB-1-30	3774021014
A1927	D80LB-1-62	3779221001
A1928	D70LB-1-62	3773721019
A1929	D70HB-3-52	3773721027
A1929C	D70HB-3-52	3773721027
A1930	D60HB-4-42	3771421170
A1930C	D60HB-4-42	3771421170
A1931	D60HB-3-52	3771421169
A1931C	D60HB-3-52	3771421169
A1968	D70LN-2-80	3773721025
A1969	D70LN-2-90	3773721023
A2077	D50BB-3-52	3777921016
A2078	SD74DB-9-200	3772534047
A2079	SD74DB-9-176	3772534046
A2080	D50DB-1-20	3777921007
A2081	S31CB-1-32	3770711031
A2082	D60DN-2-90	3771421149
A2083	SD62CB-12-114	3771432079
A2084	D60LN-2-75	3771421148
A2152	D50BB-3-52	3777921016
A2168	D40DD-11-32	3776821031
A2189	D35CD-8-32	3774021015
A2190	D40CD-7-29.50	3776821033
A2191	D40DD-12-24	3776821034
A2193	D40BB-2-80	3776821036
A2194	D40BB-2-90	3776821037
A2195	D50DB-3-42	3777921008
A2196	D30DB-1-32	3770521070
A2197	D50DB-4-42	3777921009
A2198	D50DB-5-54	3777921010
A2200	D50DB-12-54	3777921021
A2201	D50DB-8-66	3777921013
A2202	SD52CB-7-79	3771532059
A2203	D60LN-2-80	3771421145
A2206	D50DB-9-66	3777921014
A2207	D60DB-7-56	3771421152
A2208	D60DB-8-72	3771421153
A2209	D60DB-10-90	3771421154
A2210	D60DB-9-116	3771421155
A2211	D60DB-9-136	3771421156
A2212	SD62CB-12-79	3771432077
A2213	SD62CB-12-94	3771432078
A2214	SD63CB-14-136	3771433106
A2215	SD63CB-14-173	3771433107
A2216	SD63DB-15-84	3771433108
A2217	D65DB-2-144	3773921044
A2224	D70DB-4-116	3773721026
A2226	SD85DB-6-224	3772935041
A2227	SD85DB-6-248	3772935042
A2228	SD85DB-6-272	3772935043
A2274	D65DB-1-80	3774421020
A2452	D70LN-2-75	3773721021
A2538	D70HB-3-24	3773721028
A2539	D70HB-4-69	3773721029
A2540	D70HB-3-52	3773721027
A2541	D60HB-4-42	3771421170

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A2542	D60HB-3-52	3771421169
A2650	D50BB-3-45	3777921017
A2651	D30BB-1-28	3770521072
A2805	D50DB-11-54	3777921020
A2806	D50DB-10-42	3777921019
A2807	D40DD-13-32	3776821043
A2857	D60DB-15-54	3771421172
A2858	D50DB-12-54	3777921021
A2887	D30BB-1-16	3770521073
A2932	D60LN-2-90	3771421176
A3073	D30CD-8-16	3770521069
A3075	D30DB-1-32	3770521070
A3081	D30BB-1-37	3770521068
A3083	D35DB-3-30	3774021013
A3085	D35HB-1-30	3774021014
A3087	D35BB-2-38	3774021016
A3089	D35BB-1-60	3774021011
A3091	D35BB-1-80	3774021012
A3093	D40DD-12-24	3776821034
A3095	D40HB-1-26	3776821035
A3097	D40DD-11-32	3776821031
A3099	D40HB-1-36	3776821032
A3101	D40BB-1-48	3770821034
A3103	D40BB-2-90	3776821037
A3105	D50DB-1-20	3777921007
A3107	D50DB-4-42	3777921009
A3109	D50BB-3-52	3777921016
A3111	D50DB-5-54	3777921010
A3113	D50DB-8-66	3777921013
A3115	D60BB-3-4.81	3771421139
A3117	D60LN-2-75	3771421148
A3119	D60LN-2-80	3771421145
A3121	D60DN-2-90	3771421149
A3123	D60DC-9-78	3771421163
A3125	D60HB-4-42	3771421170
A3127	D60HB-3-52	3771421169
A3129	D60DB-15-54	3771421172
A3131	D60DB-8-72	3771421153
A3133	D60DB-9-116	3771421155
A3135	D60DB-9-136	3771421156
A3137	D60DB-7-72	3771421147
A3139	D60DB-10-90	3771421154
A3143	D70LN-2-108	3773721022
A3145	D70LN-2-75	3773721021
A3147	D70LN-2-80	3773721025
A3149	D70LN-2-90	3773721023
A3151	D70DC-2-81	3772521104
A3153	D70HB-3-24	3773721028
A3155	D70HB-3-52	3773721027
A3157	D70DB-4-116	3773721026
A3159	D70HB-4-69	3773721029
A3161	S31CB-1-32	3770711031
A3163	SD42CB-5-192	3771032024
A3165	SD52CB-7-79	3771532059
A3167	SD62CB-12-114	3771432079
A3169	SD62CB-12-79	3771432077
A3171	SD62CB-12-94	3771432078
A3173	SD63CB-23-118	3771433922
A3175	SD63CB-14-136	3771433106
A3177	SD63CB-14-173	3771433107
A3179	D50BB-3-45	3777921017
A3181	D40BB-2-80	3776821036
A3183	D50DB-12-54	3777921021
A3185	SD85DB-6-248	3772935042
A3187	D50DB-10-42	3777921019
A3189	D40DD-13-32	3776821043
A3191	SD63DB-15-84	3771433108
A3279	D50DB-2-54	3777921011
A3327	D60DB-8-72	3771421153

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A3359	D50DB-11-54	3777921020
A3377	SD62CB-12-114	3771432079
A3379	SD62CB-12-79	3771432077
A3381	SD62CB-12-94	3771432078
A3383	SD63CB-23-118	3771433922
A3385	SD63CB-14-136	3771433106
A3387	SD63CB-14-173	3771433107
AJ537	D50DB-4-42	3777921009
B1043	D60DB-7-72	3771421147
B2455	D70LN-2-90	3773721023
B2460	D70LN-2-80	3773721025
B2461	D70LN-2-108	3773721022
MX-342	C4803	3790004803
MX-343	B4806	3790004806
MX-344	C4804	3790004804
MXA 1297	SD64CC 9503-26	3771434039
MXA 1300	B4806	3790004806

Galfab

PC5	SD63CB-23-118	3771433922
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Garwood

207-2368	D50CC-22-20	3777921064
207-2369	D50CC-23-36	3777921065
207-3611	SD63DB-6-108	3771433045
207-3613	SD63DB-6-93	3771433073
207-3614	SD63DB-18-132	3771433933
207-9064	SD74DB-14-171	3772534062
207-9197	D50CC-22-20	3777921064
207-9209	D50CC-23-36	3777921065
207-9470	D50CC-22-20	3777921064
207-9490	D50CC-23-36	3777921065

Heil

1-1275-2	1-4103	3709999092
1-1281	SD53CC-25-106	3771533051
1-1344	SD64CC-11-132	3771434052
1-2039	S52CC-34-54.62	3771512081
1-2039-1	S52CC-34-54.62	3771512081
1-2105	D30CL-3-18.44	3770521099
1-2123	SD64CC-11-152	3771434053
1-2840	B4284	3790004284
1-2847	C4075	3790004075
1-2847-1	C4075	3790004075
1-2878	SD85CC-7-300	3773035013
1-2928	D45CC-11-26.94	3774121027
1-2931	D35CC-17-21.62	3773821056
1-3008	B5347	3790005347
1-3018	SD85CC-22-300	3772935033
1-3138	D90DD-4-166	3772321007
1-3391	SD64CC-7-118	3771434037
1-3455	D90DD-4-166	3772321007
1-3511	C4075	3790004075
1-3513	D30CL-3-18.44	3770521099
1-3615	SD85CC-21-170	3772935029
1-3616	SD84CC-7-127	3773034027
1-3623	B5347	3790005347
1-3625	D62CB-19-89	3771421113
1-3635	D45CC-11-26.94	3774121027
1-3672	D35CC-17-21.62	3773821056
1-3689	SD96CC-3-199	3773136009
1-3690	D60DB-20-63	3771421215
1-3692	D25LD-3-66	3772621122
1-3693	D50CE-2-43.75	3777921057
1-3695	D25LD-3-94	3772621123
1-3705	D60DB-20-63	3771421215
1-3717	D25LD-2-90	3772621121
1-3727	D30CA-2-3.62	3770521101
1-3778	D30CL-4-23.25	3770521100

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1-3801	C4075	3790004075
1-3803	C4075	3790004075
1-3807	C4075	3790004075
1-3809	D45CC-11-26.94	3774121027
1-3830	SD64CC-11-132	3771434052
1-3834	SD53CC-25-106	3771533051
1-3836	SD64CC-7-118	3771434037
1-3838	B4284	3790004284
1-3843	SD64CC-11-152	3771434053
1-3856	D35CC-17-21.62	3773821056
1-3871	SD64CC-11-132	3771434052
1-3875	C4075	3790004075
1-3902	D35CC-17-21.62	3773821056
1-3903	C4075	3790004075
1-3921	D45CC-11-26.94	3774121027
1-3956	D62CB-19-89	3771421113
1-3972	SD85CC-22-300	3772935033
1-4017	D35CC-17-21.62	3773821056
1-4018	D45CC-11-26.94	3774121027
1-4030	SD85CC-8-350	3773035029
1-4050	SD64CC-11-132	3771434052
1-4052	SD53CC-25-106	3771533051
1-4053	SD64CC-7-118	3771434037
1-4054	SD64CC-11-152	3771434053
1-4070	B5347	3790005347
1-4081	C3850	3790003850
1-4093	D50CC-23-36	3777921065
1-4094	D50CC-22-20	3777921064
1-4100	D35CC-17-21.62	3773821056
1-4101	D45CC-11-26.94	3774121027
1-4105	D25CC-10-14.12	3772621119
1-4108	C3847	3790003847
1-4110	C3850	3790003850
1-4123	C4438	3790004438
1-4261	SD63DB-18-132	3771433933
1-4266	SD63DB-6-108	3771433045
1-4267	SD63DB-6-93	3771433073
1-4270	SD74DB-14-171	3772534062
1-4272	C3876	3790003876
1-4275	C3576	3790003576
1-4276	C3602	3790003602
1-4277	C3603	3790003603
1-4283	D30CL-3-18.44	3770521099
1-4285	SD85CC-21-170	3772935029
1-4286	SD84CC-7-127	3773034027
1-4297	C3875	3790003875
1-4298	C3563	3790003563
1-4299	C3563	3790003563
1-4305	C4438	3790004438
1-4309	D55CB-5-49.88	3771921034
1-4327	C3603	3790003603
1-4328	D60DB-20-63	3771421215
1-4334	C3847	3790003847
1-4338	C3576	3790003576
1-4339	D25LD-3-66	3772621122
1-4340	D50CE-2-43.75	3777921057
1-4341	D40CD-9-24	3776821071
1-4343	SD74DB-14-171	3772534062
1-4347	D55CC-10-24.25	3771921043
1-4348	S35CC-2-24.75	3776815001
1-4807	S52CC-34-54.62	3771512081
1-4821	SD74DB-14-171	3772534062
1-4824	C3872	3790003872
1-4828	C3872	3790003872
1-4854	S63DC-80-74.19	3771413261
1-4864	D40CD-9-21.50	3776821077
1-4868	D40CD-14-25	3776821084
1-4869	D50DC-3-45	3777921070
1-4870	D30CL-2-25.25	3770521093

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1-4871	D45CC-14-41.50	3774121035
1-4878	C3563	3790003563
1-4880	S35CC-3-24.38	3776815002
1-4881	SD53CD-4-182	3771933016
1-4882	D55DB-2-63	3771921035
1-4884	C3872	3790003872
1-4887	D55CC-10-24.25	3771921043
1-4891	S52DB-9-67.50	3771512080
1-4903	D40CD-8-22	3776821067
1-4906	SD53CD-4-169	3771933018
1-4911	SD53CD-4-182	3771933016
1-4915	D50CC-24-34.19	3777921069
1-5015	SD85CC-CP474-411	3799000474
1-5088	D30CC-17-28.19	3770521108
1-5098	D45CC-19-41.50	3774121041
1-5110	C3872	3790003872
1-5111	D55CC-10-24.25	3771921043
1-5112	SD53CD-4-169	3771933018
1-5146	D55CC-6-63	3771921033
1-5147	SD53CC-41-182	3771933013
1-5149	SD53CC-41-151.5	3771933015
1-5150	D45CC-19-41.50	3774121041
1-6061	D55CB-6-52.88	3771921038
1-6067	SD53CC-41-182	3771933013
1-6069	D40CD-13-37	3776821078
1-6070	D30CC-13-21.62	3770521098
1-6075	SD53CD-4-169	3771933018
1-6076	SD53CC-41-182	3771933013
1-6078	SD53CC-41-151.5	3771933015
1-6094	D30CC-16-30.50	3770521106
1-6096	SD53CD-4-182	3771933016
1-6099	SD53CD-4-182	3771933016
1-6100	SD53CD-4-169	3771933018
1-6100	SD53CD-4-169	3771933018
1-6117	S63DC-79-67	3771413260
1-6126	D40CC-27-19	3776821095
1-6142	D30CC-13-21.62	3770521098
1-6153	D30CA-2-3.62	3770521101
1-6157	S52CC-34-54.62	3771512081
1-6159	B5743	3790005743
1-6160	D30CC-20-8.00	3770521113
1-6161	D30CC-19-16.00	3770521111
1-6162	D17AE-2-71.88	3778121003
1-6163	D30CE-11-18.50	3770521112
1-6164	B5873	3790005873
1-6169	D30CC-18-8.00	3770521110
1-6191	S52CC-34-54.62	3771512081
1-6194	D17AE-2-71.88	3778121003
1-6225	SD64DC-6-110.34	3771434056
1-6230	D55CC-6-63	3771921033
1-6247	SD53CC-41-182	3771933013
1-6250	SD53CD-4-169	3771933018
1-6252	SD53CC-41-151.5	3771933015
1-6255	SD53CD-4-182	3771933016
1-6256	SD53CD-4-182	3771933016
1-6257	SD53CD-4-169	3771933018
1-6316	SD53CC-41-151.5	3771933015
1-6317	SD53CC-41-170.12	3771933014
1-6318	SD53CC-41-182	3771933013
1-6330	D30CC-18-8.00	3770521110
1-6331	D30CC-18-8.00	3770521110
1-6364	D30CC-16-30.50	3770521106
1-6369	D40CD-8-22	3776821067
1-6370	D45CC-19-41.50	3774121041
1-6384	D40CD-14-25	3776821084
1-6385	D40CC-27-19	3776821095
1-6386	D25LD-2-90	3772621121
1-6388	D45CC-19-41.50	3774121041
1-6399	D17AE-2-71.88	3778121003

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1-6402	D30CC-18-8.00	3770521110
1-6403	D17AE-2-71.88	3778121003
1-6404	D30CC-19-16.00	3770521111
1-6405	D30CE-11-18.50	3770521112
1-6406	B5873	3790005873
1-6407	D30CC-20-8.00	3770521113
1-6416	D30CC-18-8.00	3770521110
1-6425	S52CC-34-67.25	3771512082
1-6427	SD64DC-7-133.12	3771434058
1-6445	S52CC-34-54.62	3771512081
1-6456	D55CC-9-35.88	3771921041
1-6457	D55CC-7-24	3771921039
1-6521	D30CC-17-28.19	3770521108
1-6554	D30CE-11-18.50	3770521112
1-6560	D50CC-24-34.19	3777921069
1-6570	D50LC-2-24.50	3777921068
1-6581	B5873	3790005873
1-6582	C3576	3790003576
1-6610	C3872	3790003872
1-6611	D55CC-10-24.25	3771921043
1-6669	D40CD-8-22	3776821067
1-6670	D40CD-14-25	3776821084

Huge Haul

01-0207	SD63CB-23-118	3771433922
4-01-0207	SD63CB-23-118	3771433922

Impact / Mabarr

0020-009	SD62MC-12-186	3771432045
0020-017	SD62MC-12-210	3771432046
0020-028	SD62MC-12-234	3771432047

Kann Mfg

050830	B5345	3790005345
1400047	B5061	3790005061
140010	B5425	3790005425
1400101	D30CD-10-28	3770521102
1400102	B4775	3790004775
1400103	B4773	3790004773
1400104	SD52CC-29-72	3771532074
1400105	SD62CB-13-84	3771432080
1400106	C4774	3790004774
1400107	B5062	3790005062
1400108	B5066	3790005066
1400112	B5275	3790005275
1400114	B5357	3790005357
1400116	B5355	3790005355
1400117	B5370	3790005370
1400118	D30LL-7-16	3790005423
1400119	D35LL-8-16	3790005424
1400121	B5609	3790005609
1400122	SD63CB-CP457-167	3799000457
1400123	B5641	3790005641
1400124	B5703	3790005703
1400125	B5704	3790005704
1400126	B5705	3790005705
1400127	B5706	3790005706
1400128	B5642	3790005642
1400129	B5639	3790005639
1400130	B5640	3790005640
1400132	B5711	3790005711
1400133	B5710	3790005710
1400134	B5702	3790005702
1400135	B6148	3790006148
1400136	B5773	3790005773
1400137	SD63CB-CP574-120	3799000574
1400138	B5850	3790005850
1400139	B5851	3790005851
1400140	SD63CB-CP535-138	3799000535

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1400141	B5879	3790005879
1400142	B5880	3790005880
1400147	SD52CB-3-84	3771532070
1400148	SD52CB-3-70	3771532069
1400150	B5983	3790005983
1400153	SD63CB-CP620-94	3799000620
1400156	B6367	3790006367
3701054	B4775	3790004775
3750012	B5329	3790005329
3850017	D35DD-3-16	3790005389
3850083	C5267	3790005267
P4073-1	SD62CB-13-84	3771432080
P4073-T	SD62CB-13-84	3771432080
P4074-1	SD52CC-29-72	3771532074
P4074-T	SD52CC-29-72	3771532074
850001016	SD64MC-4-147	3771434049

Labrie Equipment

HYC00315	D25LC-3-28	3772621140
HYC00320	D25LC-2-38.94	3772621139
HYC00360	D25DD-6-14.50	3772621141
HYC00510	D50DC-4-40	3771521170
HYC01550	D32CC-12-15.50	3770721133
HYC02300	D50DC-5-84.13	3777921074
HYC01550	D32CC-12-15.50	3770721133

Leach

15373	D40CD-11-15	3776821074
16902	SD83CC-27-126	3772933013
200868	SD75OO-3-110.94	3772535014
200869	SD75OO-1-100	3772535004
200870	SD64OO-1-87	3771434023
201500	SD86OO-1-146	3772936002
20278	SD75OO-1-100	3772535004
209785	SD63DC-71-81	3771413226
209786	SD63DC-19-101	3771433937
209787	SD64DC-5-145	3771434054
210629	S35CL-2-32.69	3776815003
210658	D45CC-16-32.50	3774121037
210659	D55CC-8-37	3771921040
210847	SD64DC-5-156	3771434055
2R1006A	D60DC-11-30.50	3771421219
2R1008R	D60DC-10-30.50	3771421216
300679	D60DC-10-30.50	3771421216
300900	D60DC-10-30.50	3771421216
300990	D60DC-10-30.50	3771421216
302385	D30DD-13-14.25	3770521096
302514	D20LL-6-3.25	3770121130
302525	SD63CC-23-167	3771433059
302549	D30LD-6-28.62	3770521103
303407	SD63CC-23-167	3771433059
303904	D60DC-10-30.50	3771421216
304000	SD63CC-23-167	3771433059
304168	D60BC-2-30.31	3771421218
304805	D60DC-11-30.50	3771421219
305111	SD63CC-23-146	3771433064
305112	D45CC-13-42	3774121030
305127	D45CC-13-42	3774121030
305240	D45CL-2-44.25	3774121029
305241	D45CL-2-44.25	3774121029
305687	SD63CC-29-146	3771433077
305688	SD63CC-48-166.94	3771433941
305827	D60DC-10-30.50	3771421216
305960	D20CL-2-12.75	3770121132
305972	D60CF-3-32.38	3771421225
305975	D60CF-2-57	3771421223
306459	D45CL-2-42	3774121028
306460	D30LD-5-28.62	3770521095
306462	D25CC-12-100.50	3772621127

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306463	D45CC-13-42	3774121030
306464	D45CC-13-42	3774121030
306465	D45CL-2-44.25	3774121029
306466	D20CL-2-12.75	3770121132
306562	D60DC-10-30.50	3771421216
306633	D45CC-13-42	3774121030
306634	D45CC-13-44.25	3774121031
306635	D45CL-2-42	3774121028
306636	D45CL-2-44.25	3774121029
306811	D25CC-12-87.50	3772621126
307081	D60BC-2-30.31	3771421218
307082	D60BC-2-27.81	3771421229
307534	D35CD-9-26.75	3773821061
32046	D60DC-10-30.50	3771421216
37815	SD83CC-27-126	3772933013
39726	SD86CC-1-171	3772936001
400383	D60CF-3-32.38	3771421225
400496	S21LL-2-1.5	3771411106
400753	D40CL-2-39.38	3790003884
401056	D40CL-2-39.38	3790003884
401207	D40CD-11-15	3776821074
402087	D60CF-2-57	3771421223
402160	D40CL-2-39.38	3790003884
402324	D40CL-2-39.38	3790003884
402979	SD75MC-1-200	3772535008
404411	D50CB-9-32.50	3777921067
405089	D40CL-2-39.38	3790003884
405964	D40CD-11-15	3776821074
406368	D60CF-3-32.38	3771421225
406369	D40CL-2-39.38	3790003884
406370	S21LL-2-1.5	3771411106
406399	D40CL-2-39.38	3790003884
406578	D50CB-9-32.50	3777921067
406582	D60CF-2-57	3771421223
406639	D40CL-2-39.38	3790003884
407028	D40CL-3-23.50	3776821076
41296	SD85CC-15-125	3772935003
41297	SD84CC-11-104	3772934012
41298	SD85CC-15-125	3772935003
41354	D60CF-3-32.38	3771421225
41357	D60CF-3-32.38	3771421225
601429	D40CL-2-39.38	3790003884
602163	D30LD-6-28.62	3770521103
605250	D40CD-11-15	3776821074
700081	D60BC-3-30.31	3771421224
701479	S35CL-2-32.69	3776815003
PO1166	D60CF-3-32.38	3771421225
PO265	D40CL-2-39.38	3790003884

Loadmaster

11071	SD64CC-10-126	3771434050
11074	SD64MC-1-114	3771434004
11079	D52CD-73-41	3771521111
11081	SD63MB-10-148	3771433011
11083	SD63MB-10-128	3771433010
11085	SD63MB-10-95	3771433009
11088	SD64MC-1-146	3771434011
11100	SD75CC-5-159	3772535013
11102	SD64MC-1-111	3771434013
14962	S51CC-26-22	3771511033
14963	S41CC-29-18	3771011039
14964	D42CD-86-48	3771021101
14965	D42CD-86-31	3771021100
14966	D52CD-73-41	3771521111
14967	D52CB-29-16	3771521109
14968	D72CD-24-16	3772521036
14969	D40CB-8-21	3776821085
14970	D52CB-30-38	3771521110
150003-1	SD63MB-10-115	3771433015

Loadmaster

150005-1	SD63MB-10-148	3771433011
150006-1	SD63MB-10-95	3771433009
150007-1	D52CB-29-16	3771521109
150009-1	D42CD-86-48	3771021101
150010	D42CD-86-31	3771021100
150010-1	D42CD-86-31	3771021100
150011-1	S51CC-26-22	3771511033
150018-1	D42CD-86-31	3771021100
150029-1	S41CC-29-18	3771011039
150033-1	D72CD-24-16	3772521036
150037-1	SD63MB-10-128	3771433010
150039	D52CB-30-38	3771521110
150040-1	D40CB-8-21	3776821085
150042-1	SD63MB-10-95	3771433009
150043-1	SD63MB-10-115	3771433015
150044-1	SD63MB-10-148	3771433011
150045-1	SD63MB-10-128	3771433010
150046-1	S51CC-26-22	3771511033
150047-1	S41CC-29-18	3771011039
150048-1	D42CD-86-48	3771021101
150049-1	D42CD-86-31	3771021100
150050-1	D52CB-29-16	3771521109
150051-1	D40CB-8-21	3776821085
150053-1	D52CD-73-41	3771521111
150054-1	S51CC-26-22	3771511033
150066	SD64CC-10-126	3771434050
150070	D72CD-24-16	3772521036
150071-1	D52CD-73-41	3771521111
150072-1	SD64CC-10-126	3771434050
150073-1	S51CC-26-22	3771511033
150074	SD63MB-10-95	3771433009
150075	SD63MB-10-115	3771433015
150076	SD63MB-10-148	3771433011
150077	SD63MB-10-128	3771433010
150079-1	S41CC-29-18	3771011039
150080-1	D42CD-86-48	3771021101
150082-1	D52CB-29-16	3771521109
150083-1	D40CB-8-21	3776821085
150084	D52CB-30-38	3771521110
150089-1	SD64CC-5-107	3771434029
150094	SD64MC-1-114	3771434004
150123	D40CB-8-21	3776821085
150124-1	S41CC-29-18	3771011039
150125-1	S51CC-26-22	3771511033
150126	D52CD-73-41	3771521111
150127	D72CD-24-16	3772521036
150128	SD63MB-10-148	3771433011
150129	D52CB-29-16	3771521109
150130	D52CB-30-38	3771521110
150131-1	D42CD-86-48	3771021101
150132	SD63MB-10-128	3771433010
150133	SD63MB-10-95	3771433009
150134-1	D42CD-86-31	3771021100
150151-1	SD64MC-1-146	3771434011
150206	SD75CC-5-159	3772535013
150208-1	SD64MC-1-81	3771434025
150209-1	SD64MC-1-101	3771434024
150210-1	SD64MC-1-111	3771434013
150570	D30CB-5-16	3770521107
150586	SD64CC-10-126	3771434050
15409	SD64MC-1-101	3771434024
15422	D30CB-5-16	3770521107
15430	SD63MB-10-115	3771433015
15872	D72CD-24-16	3772521036
16058	SD64MC-1-81	3771434025
17479	SD64MC-1-101	3771434024
17506	SD64CC-10-126	3771434050
17673	SD64MC-1-81	3771434025
17674	SD64MC-1-101	3771434024

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17675	SD64MC-1-114	3771434004
17676	SD64MC-1-111	3771434013
17677	SD64MC-1-146	3771434011
17678	SD64CC-10-126	3771434050
17834	D55CB-7-40.50	3771921042
20146	SD64CC-5-107	3771434029
20147	SD64CC-12-113	3771434057
20148	SD64CC-10-147	3771434051
22968	D42CD-86-31	3771021100
22972	D42CD-86-48	3771021101
22973	D52CB-29-16	3771521109
22974	D55CB-7-40.50	3771921042
22975	D72CD-24-16	3772521036
22977	D40CB-8-21	3776821085
22978	D52CD-73-41	3771521111
23585	S51CC-26-22	3771511033
750006	S51CC-26-22	3771511033
750009	D42CD-86-31	3771021100
750010	D52CD-73-41	3771521111
750011	D52CB-29-16	3771521109
750012	D72CD-24-16	3772521036
750013	D40CB-8-21	3776821085
750174	23586	3759006830
750177	D50CB-10-49	3777921072
750182	D55CB-7-40.50	3771921042
EO 3760	SD64CC-5-107	3771434029

Lodal

9930216	SD84CC-21-135	3772934037
9930230	SD74CC-12-135	3772534033
9930251	SD52CC-24-111	3771532049
9930254	SD42CC-19-111	3771032025
9930258	SD95CC-3-160	3773135018
9930260	SD84CC-21-135	3772934037
9930272	SD42CC-19-111	3771032025
9930303	SD42CC-19-111	3771032025
9930341	SD53CC-36-155	3771533084

Marathon

04-0127	D70DD-7-79	3773721110
04-0670	D100DD-2-96	3772321025
04-0680	D100DD-2-128	3772321021
04-105	4016020	3709999115
04-2001	SD63CB-23-118	3771433922
04-2002	D70LN-3-80	3773721111
04-2003	D70LN-2-90	3773721023
4016020	4016020	3709999115
92-3650	SD63DB-6-108	3771433045

Maxon

202104	C3831	3790003831
202322	C4184	3790004184
213035	C4184	3790004184
222740	C3694	3790003694
401216	S53DB-2-63	3771513013
401222	D60DD-4-69	3771421090
401281	B4099	3790004099
401282	B3759	3790003759
401826	B4079	3790004079
404600	B3759	3790003759
404601	B4099	3790004099
404614	C3694	3790003694
404800	C3820	3790003820
404905	D3832	3790003832
800000	C3831	3790003831
801374	C3831	3790003831

McClain

1001134	D50DB-7-40	3777921015
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McClain

1001135	D50DB-7-40	3777921015
1001139	D60DB-13-54	3771421164
1001140	D60DB-14-58	3771421165
1001141	D60CC-26-78	3771421146
1001143	D60DB-12-108	3771421160
1001144	SD72DB-3-76.88	3772532030
1001145	D70CC-7-78	3773721011
1001146	D70DB-2-115	3773721013
1001147	SD73DB-8-115	3772533069
1001149	SD85CC-24-236	3772935044
1001151	SD85MC-21-384	3772935038
1001152	SD85CC-24-304	3772935049
1001154	SD96MC-8-384	3773136017
1001155	SD96MC-5-456	3773136007
1001156	SD96MC-8-480	3773136025
1001157	D100DB-3-155	3773121042
1002190	D62LB-4-80	3771421178
1002191	D72LB-8-80	3772521120
1002432	SD73DB-8-160	3772533068
HCL10X155	D100DB-3-155	3773121042
HCL5X31	D50DB-7-40	3777921015
HCL5X40	D50DB-7-40	3777921015
HCL6X108	D60DB-12-108	3771421160
HCL6X54	D60DB-13-54	3771421164
HCL6X58	D60DB-14-58	3771421165
HCL6X78	D60CC-26-78	3771421146
HCL72X77	SD72DB-3-76.88	3772532030
HCL73X115	SD73DB-8-115	3772533069
HCL7X115	D70DB-2-115	3773721013
HCL7X78	D70CC-7-78	3773721011
HCL85X236	SD85CC-24-236	3772935044
HCL85X384	SD85MC-21-384	3772935038
HCL95X303	SD85CC-24-304	3772935049
HCL96X384	SD96MC-8-384	3773136017
HCL96X456	SD96MC-5-456	3773136007
HCL96X480	SD96MC-5-480	3773136008
K5067EDA	SD51CB-2-67.5	3771931001
MMH1501000	SD72DB-3-76.88	3772532030
MMH1601000	D60CC-26-78	3771421146

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0126158	S63DC-77-66	3771413258
0126248	B6225	3790006225
0126256	B6231	3790006231
0126261	B6273	3790006273
0126262	B6242	3790006242
0601930	C4217	3790004217
0604124	D4145	3790004145
0604126	D4210	3790004210
0604134	D4172	3790004172
0604135	D4171	3790004171
0604136	D4190	3790004190
0604137	SD74DC-11-119	3772534063
0604138	SD85DC-7-163	3772935036
0604139	SD63DC-74-71.75	3771433939
0604142	SD63DC-73-88.75	3771433938
0604143	D4291	3790004291
0604144	D4292	3790004292
0604145	D4266	3790004266
0604146	D4265	3790004265
0604149	D4389	3790004389
0604976	D4541	3790004541
0605700	B5473	3790005473
0605702	B5806	3790005806
0605951	B6190	3790006190
0605952	B6191	3790006191
0606950	C3847	3790003847
0606953	B5347	3790005347
0606956	SD74DC-CP410-104	3799000410

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0606960	C3850	3790003850
0606967	SD63DC-CP507-82	3799000507
0606969	SD63DC-7-61	3799000441
0606971	SD63DC-CP493-46	3799000493
0614333	D35CC-16-26	3790004398
0614371	B4388	3790004388
0614374	D5820	3790005820
0615860	C4539	3790004539
0615862	S64DB-10-73	3771414053
0617862	B4708	3790004708
0619881	C5219	3790005219
0619882	C5220	3790005220
0619891	B5788	3790005788
0633832	S75DB-CP394-86	3799000394
0633849	B6310	3790006310
0634906	B5724	3790005724
0635876	D50DD-2-39.50	3777921073
0636002	S74DC-70-84	3772514113
0636375	B6293	3790006293
0637007	D30CD-11-21.25	3770521104
0637008	D50DD-23-52.75	3777921066
0637009	B6019	3790006019
0637010	D25LL-8-38	3772621116
0637507	B5959	3790005959
0637509	B5955	3790005955
0638264	B6387	3790006387
0642850	B5427	3790005427
0642852	S53DB-15-63.12	3771513158
0642853	B5491	3790005491
0651550	D62LB-5-80	3771421180
0654696	B6071	3790006071
0660009	B6347	3790006347
0660011	B6353	3790006353
0660776	SD53DD-CP592-170	3799000592
0660777	B6178	3790006178
0660778	B4388	3790004388
0660779	B6216	3790006216
0660780	B6264	3790006264
0660781	B6347	3790006347
0661950	SD63CC-44-164	3771833011
0661951	SD63CC-44-181	3771833010
0663500	B6314	3790006314
0672120	B6188	3790006188
0672121	B6189	3790006189
0672135	B6311	3790006311
0673089	SD63DC-CP625-76	3799000625
0673894	SD63DC-CP604-97	3799000604
1000066	C5219	3790005219
1000067	C5220	3790005220
1000068	D35CC-16-26	3790004398
1000069	B5788	3790005788
1000075	B5491	3790005491
1000077	B4388	3790004388
1000078	C4542	3790004542
1000081	D4145	3790004145
1000085	D4241	3790004241
1000087	D4389	3790004389
1000092	C4539	3790004539
1000094	D50DD-2-39.50	3777921073
1000095	B5427	3790005427
1000158	B6178	3790006178
1000159	B6216	3790006216
1000160	B4388	3790004388
1000161	B6019	3790006019
1000162	B5955	3790005955
1000163	B5956	3790005956
1000166	D50DD-23-52.75	3777921066
1100028	B6347	3790006347
1100031	B6231	3790006231

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1100038	D4210	3790004210
1100045	B6310	3790006310
1100104	B6314	3790006314
1100105	D25LL-8-38	3772621116
1100106	B6387	3790006387
1100116	D5820	3790005820
1100117	B5806	3790005806
1100314	B6447	3790006447
1101139	B6469	3790006469
1101709	D60CC-33-65.75	3790006419
1102355	B6497	3790006497
1103780	B6546	3790006546
1103899	B6487	3790006487
1103900	B6488	3790006488
1104721	B6576	3790006576
1104722	B6577	3790006577
1104922	D50DD-21-39.50	3777921061
1105098	B6585	3790006585
1105099	B6586	3790006586
1105118	B6591	3790006591
1105331	S53MB-CP677-166	3799000677
1106169	S35CC-4-37	3776815004
1106846	D45CD-3-49.12	3774121013
1107471	SD63CB-12-167	3771433901
1108087	SD63DB-6-108	3771433045
1108107	D45CC-19-41.50	3774121041
1108220	B6622	3790006622
1108292	D4266	3790004266
1108392	S53MC-38-166	3771513154
1108626	B6642	3790006642
1108973	D60BC-2-30.31	3771421218
1109039	SD53CC-41-182	3771933013
1109306	D35CD-7-51.31	3774021009
1109307	D30LD-4-24	3770521071
1109314	SD64DC-5-145	3771434054
1109699	D60DB-7-72	3771421147
1109700	D70LN-2-80	3773721025
1130000	SD63CC-44-164	3771833011
1130001	SD63CC-44-181	3771833010
1130638	D40CD-14-25	3776821084
1131389	D40DB-3-28.5	3776821022
1131393	C3563	3790003563
1132628	SD53CC-37-168	3771433914
1132629	D20DD-4-6.25	3770121125
1132630	D20DD-3-67	3770121123
1136598	D30CC-16-30.50	3770521106
1136608	SD63DB-6-93	3771433073
1136610	SD63DB-18-132	3771433933
1136612	SD74DB-14-171	3772534062
1136622	SD63CC-47-124	3771433928
1137328	S52CC-34-54.62	3771512081
1137329	D55CC-7-24	3771921039
1138456	D45CD-2-51.31	3774121014
1138697	SD63CB-12-197	3771433903
1139663	D40LD-5-24.75	3776821042
1139665	D60DC-7-42.62	3771421134
1140624	SD63CC-44-164	3771833011
1140625	SD63CC-44-181	3771833010
1143954	S74MM-7G-170	3772514104
1144707	C5220	3790005220
1145649	B6622	3790006622
1145650	D20DD-3-67	3770121123
1149090	D25LL-16-24	3772621136
1149547	D25LL-12-16	3772621129
1149552	D35CD-10-20	3773821065
1149560	D40CC-25-32	3776821088
1149561	D45CC-17-45	3774121039
1150060	S63MB-14-163.12	3771413254
1180873	D35LD-5-19	3773821057

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1227663	D40CD-12-28	3776821075
1229454	SD62CB-13-84	3771432080
200.126248	B6225	3790006225
200.126256	B6231	3790006231
200.126257	B6236	3790006236
200.126258	S75DB-CP605-67	3799000605
200.126261	B6273	3790006273
200.126262	B6242	3790006242
8130.642614	B6241	3790006241
9070.126158	S63DC-77-66	3771413258
9070.126293	B6371	3790006371
9070.614332	D4399	3790004399
9070.614333	D35CC-16-26	3790004398
9070.614335	C4404	3790004404
9070.633849	B6310	3790006310
9070.638264	B6387	3790006387
9070.640899	B4874	3790004874
9070.644180	B5442	3790005442
9070.644183	D45DD-7-34.50	3790006002
9070.644194	B5698	3790005698
9070.644203	B5899	3790005899
9070.651550	D62LB-5-80	3771421180
9070.654695	D62LB-5-80	3771421180
9070.654696	B6071	3790006071
9070.654697	D72LB-9-80	3772521122
9070.654698	B6071	3790006071
9070.654699	B5487	3790005487
9070.662050	B6317	3790006317
9070.662088	B6324	3790006324
9070-670032	SD74DC-CP615-138	3799000615
9072.601028	D4143	3790004143
9072.601029	D4143	3790004143
9072.601048	D3784	3790003784
9072.601492	D4106	3790004106
9072.601930	C4217	3790004217
9072.601940	C4040	3790004040
9072.602556	D4143	3790004143
9072.604133	SD85DC-CP228-148	3799000228
9072.604134	D4172	3790004172
9072.604137	SD74DC-11-119	3772534063
9072.604138	SD85DC-7-163	3772935036
9072.604142	SD63DC-73-88.75	3771433938
9117.601669	SD63DA-1-78	3771433054
9120.601670	SD63DA-1-96	3771433047
9125.601671	SD74DA-1-128	3772534029
9130.642614	B6241	3790006241
9170.604123	B4227	3790004227
9170.604128	S63DC-78-77	3771413259
9170.605700	B5473	3790005473
9170.614335	C4404	3790004404
9170.614371	B4388	3790004388
9170.615860	C4539	3790004539
9170.619875	B5454	3790005454
9170.619880	B4662	3790004662
9170.619884	C4542	3790004542
9170.631567	D35LD-4-20	3790004996
9170.632565	B5083	3790005083
9170.633829	B5727	3790005727
9170.633832	S75DB-CP394-86	3799000394
9170.634907	B5735	3790005735
9170.635889	S75DB-CP520-86	3799000520
9170.636933	B5901	3790005901
9170.637007	D30CD-11-21.25	3770521104
9170.637507	B5959	3790005959
9170.638476	B6291	3790006291
9170.642852	S53DB-15-63.12	3771513158
9170.660012	B6152	3790006152
9170.660776	SD53DD-CP592-170	3799000592
9170.660778	B4388	3790004388

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9170.672120	B6188	3790006188
9172.604147	B4388	3790004388
9172.604148	B4392	3790004392
9180.651550	D62LB-5-80	3771421180
9270.604124	D4145	3790004145
9270.604126	D4210	3790004210
9270.604131	SD63DC-7-80	3771433070
9270.604132	SD74DC-9-109	3772534055
9270.604137	SD74DC-11-119	3772534063
9270.604138	SD85DC-7-163	3772935036
9270.604139	SD63DC-74-71.75	3771433939
9270.604140	D4241	3790004241
9270.604142	SD63DC-73-88.75	3771433938
9270.604149	D4389	3790004389
9270.606950	C3847	3790003847
9270.606956	SD74DC-CP410-104	3799000410
9270.606967	SD63DC-CP507-82	3799000507
9270.606969	SD63DC-7-61	3799000441
9270.606971	SD63DC-CP493-46	3799000493
9270.614372	D4655	3790004655
9270.614373	D5753	3790005753
9270.614374	D5820	3790005820
9270.615860	C4539	3790004539
9270.615861	C4543	3790004543
9270.615862	S64DB-10-73	3771414053
9270.631565	C4894	3790004894
9270.632568	B5056	3790005056
9270.635876	D50DD-2-39.50	3777921073
9270.636002	S74DC-70-84	3772514113
9270.637984	SD63DC-CP604-97	3799000604
9270.642633	B6349	3790006349
9270.642850	B5427	3790005427
9270.663500	B6314	3790006314
9270.673087	SD52DC-CP626-38	3799000626
9270.673088	SD52DC-CP627-55	3799000627
9270.673089	SD63DC-CP625-76	3799000625
9270.673894	SD63DC-CP604-97	3799000604
9272.604120	D4195	3790004195
9272.604121	D4131	3790004131
9272.604122	B4135	3790004135
9272.604123	B4227	3790004227
9272.604124	D4145	3790004145
9272.604125	C4133	3790004133
9272.604126	D4210	3790004210
9272.604127	C5220	3790005220
9272.604128	S63DC-78-77	3771413259
9272.604140	D4241	3790004241
9272.604142	SD63DC-73-88.75	3771433938
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9370.601940	C4040	3790004040
9370.604124	D4145	3790004145
9370.604125	C4133	3790004133
9370.604127	C5220	3790005220
9370.604130	C4217	3790004217
9370.604136	D4190	3790004190
9370.605700	B5473	3790005473
9370.605701	B5387	3790005387
9370.605702	B5806	3790005806
9370.605909	B6014	3790006014
9370.606953	B5347	3790005347
9370.614365	C5219	3790005219
9370.618926	B5809	3790005809
9370.618927	B5810	3790005810
9370.618928	B5780	3790005780
9370.619881	C5219	3790005219
9370.619882	C5220	3790005220
9370.632570	D20LL-4-17.50	3790004957
9370.633831	B5435	3790005435
9370.634905	B4942	3790004942

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McNeilus (MTM)

9370.634906	B5724	3790005724
9370.636375	B6293	3790006293
9370.637009	B6019	3790006019
9370.637010	D25LL-8-38	3772621116
9370.637509	B5955	3790005955
9370.640889	C4500	3790004500
9370.642853	B5491	3790005491
9370.643906	B5724	3790005724
9370.672005	B6311	3790006311
9370.672121	B6189	3790006189
9370.672135	B6311	3790006311
9370.914365	C5219	3790005219
9430.615861	C4543	3790004543
9430.661950	SD63CC-44-164	3771833011
9430.661951	SD63CC-44-181	3771833010
9470.601028	D4143	3790004143
9470.601029	D4143	3790004143
9470.601048	D3784	3790003784
9470.602556	D4143	3790004143
9470.604048	D3784	3790003784
9470.604124	D4145	3790004145
9470.604134	D4172	3790004172
9470.604135	D4171	3790004171
9470.604143	D4291	3790004291
9470.604144	D4292	3790004292
9470.604145	D4266	3790004266
9470.604146	D4265	3790004265
9470.605951	B6190	3790006190
9470.605952	B6191	3790006191
9470.606690	C3850	3790003850
9470.606950	C3847	3790003847
9470.606953	B5347	3790005347
9470.606960	C3850	3790003850
9470.615860	D50DD-2-39.50	3777921073
9470.619878	D5753	3790005753
9470.630861	D4596	3790004596
9470.634900	B5734	3790005734
9470.634901	B5736	3790005736
9470.634902	B5733	3790005733
9470.634903	B5750	3790005750
9470.634904	B5751	3790005751
9470.634908	B5757	3790005757
9470.637008	D50DD-23-52.75	3777921066
9470.637508	B5956	3790005956
9470.640884	C4621	3790004621
9470.640886	C4536	3790004536
9470.642859	B6356	3790006356
9570.604120	D4195	3790004195
9570.604121	D4131	3790004131
9570.614332	D4399	3790004399
9570.614333	D35CC-16-26	3790004398
9570.614366	D4496	3790004496
9570.614380	B5788	3790005788
9570.617862	B4708	3790004708
9570.618928	B5780	3790005780
9570.618929	D45CC-7-46	3790005782
9570.619836	D45CC-12-44	3790005670
9570.619876	D30CD-9-20	3790005461
9570.619877	B5462	3790005462
9570.619891	B5788	3790005788
9570.619980	B5864	3790005864
9570.619985	D4522	3790004522
9570.640887	C4484	3790004484
9570.640890	C4537	3790004537
9570.640891	C4518	3790004518
9570.640892	C4517	3790004517
9570.640896	C4619	3790004619
9570.640899	B4874	3790004874
9570.643701	B5495	3790005495

McNeilus (MTM)

9570.643704	B5072	3790005072
9570.643705	D35DD-1-17.88	3790005501
9570.643706	B5429	3790005429
9570.643708	D30DD-12-9.12	3790005740
9570.643710	B5899	3790005899
9570.660009	B6347	3790006347
9570.660011	B6353	3790006353
9570.660777	B6178	3790006178
9570.660780	B6264	3790006264
9570.660781	B6347	3790006347
9570.660782	B4708	3790004708
9570.660785	B6422	3790006422
9572.601047	D3837	3790003837
9572.601691	B5806	3790005806
9572.601940A	C4152	3790004152
9572.604129	D4106	3790004106
9770.614335	C4404	3790004404
9770.615862	S64DB-10-73	3771414053
9770.640888	S53DB-15-63.12	3771513158
9830.620243	SD63DC-71-81	3771413226
9870.620505	D50CB-9-32.50	3777921067
9870.622401	C3872	3790003872
9870.622402	D55CC-10-24.25	3771921043
9872.623428	SD86OO-1-146	3772936002
9970.601047	D3837	3790003837
9970.601691	B5806	3790005806
9970.604129	D4106	3790004106
9970.604129A	B5473	3790005473
9970.604975	C4750	3790004750
9970.604976	D4541	3790004541
9970-604129B	B5473	3790005473
9972.601692	B3803	3790003803
B5327 MTM	D50DD-22-40	3790005327
C4620 MTM	C4620	3790004620

New Way / Scranton

2-4047	SD64CB-5-80	3771434019
2-4048	SD64CB-5-99	3771434022
2-4049	SD64CB-5-113	3771434020
2-4050	SD64CB-5-143	3771434021

Pak-Mor Mfg

080121	SD52DC-13-119	3771532071
1341-1	C3828	3790003828
1341-LM	C3828	3790003828
135401	D3827	3790003827
1354-01	D3827	3790003827
1354-LM	D3827	3790003827
2000102	SD52DC-13-119	3771532071
2000207	C3828	3790003828
2000209	D3827	3790003827
2000213	C3826	3790003826
2000219	D52CD-79-68	3771521138
2000220	D52CD-79-80	3771521139
2000233	B4156	3790004156
2000306	B4286	3790004286
2001101	SD83MC-9-132	3773033005
2001102	SD52DC-13-140	3771532072
2001103	SD84MC-18-152	3772934021
2001105	SD84MC-18-176	3772934020
2001106	SD85MC-15-220	3772935023
2001108	SD84MC-19-285	3772934023
2001109	SD84MC-19-340	3772934024
2001110	SD84MC-20-406	3772934025
2001111	SD85MC-16-220	3772935024
2001112	SD84MC-21-176	3772934026
2001113	SD84MC-21-152	3772934027
2001114	SD84MC-23-406	3772934031
2001115	SD95MC-5-220	3773135012

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2001116	SD95MC-6-220	3773135013
2001120	SD95MC-6-220	3773135013
2001122	SD73CC-23-150	3772533042
2001123	SD63MC-11-120	3771433111
2001126	SD52DC-13-140	3771532072
2001129	SD63MC-11-139	3771433109
2001130	SD73CC-27-147	3772133003
2001180	SD63DC-14-174	3771433112
2001183	SD53CC-42-189	3771933017
2162TM	C3826	3790003826
2162-TM	C3826	3790003826
2958-LM	D52CD-79-68	3771521138
2959-LM	D52CD-79-80	3771521139
3809-LM	B4156	3790004156
4148000	D60CB-5-26	3771421220
4148021	C4240	3790004240
4148022	D50DB-13-24	3777921059
4148023	D50DL-2-42	3777921060
4148037	D60CL-2-40	3771421221
4148044	D60CB-5-47	3771421217
4149004	D50CD-3-43.12	3777921062
4149013AA	D4296	3790004296
4149014AA	C4294	3790004294
4149023	B4156	3790004156
4149044	D52CD-79-68	3771521138
4149065	D35LL-9-30	3773821058
4149067	D35LL-9-38	3773821059
4149071	D40CD-12-28	3776821075
4149073	D30LL-7-26.50	3770521094
4149075	D45DC-2-36	3774121033
4149110	D35CL-2-12	3773821063
4149111	D40CL-4-12	3776821079
4149112	D25CL-2-12	3772621135
4149131	D25LL-13-90	3772621130
4300085	SD73CC-27-147	3772133003
4310085	SD73CC-23-150	3772533042
5762-LM	B4286	3790004286
5824-LM	C4240	3790004240

Pioneer Tarper

H7039	D20LL-7-24	3770121134
HR4579	D15DD-4-30	3776921020

Rapid Rail

L10-00	D17AE-2-71.88	3778121003
L7-00	D30CC-20-8.00	3770521113
L8-00	D30CC-19-16.00	3770521111
P2300	B5789	3790005789
P23-00	B5873	3790005873
T11-00	D30CE-11-18.50	3770521112

Rudco

P28-022	D62LB-5-80	3771421180
P28-052	D72LB-9-80	3772521122

Shu-Pak Refuse

807468	SD52DC-11-84	3771532060
808788	S63DC-42-82	3771413117

Smart Truck Systems

800043	S53DB-14-78	3771513137
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Stagg C+O Dempster

4AA80273	D35LD-1-16	3773821028
4AA80285	D60CC-20-96.75	3772721005
4AA82435	D60DD-8-59.75	3772721006
4AA90314	D52DD-5-40	3771521145
4AA90316	S52DB-6-55	3771512051
4CC80275	D40DD-2-51	3770821019
4CC80278	B4285	3790004285

Stagg C+O Dempster

4CC80284	D60DD-4-69	3771421090
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Truxmore

P1018	SD83CC-13-104	3773033015
P1023	SD84CC-20-144	3772934036
P1027	SD84CC-20-178	3772934035
P1032	SD85CC-9-211	3773035020

Universal Handling

D002-6410	D4145	3790004145
M609-4000	SD73GF-2-156	3772533024
M609-5000 SPECIAL	SD63DC-CP195-120	3799000195

Vector / Guzzler

201313	SD53MC-3-120	3771533037
1200334	S63DC-47-107	3771413185
1201313	SD53MC-3-120	3771533037
1201552	SD63DB-14-120	3771433104
1201560	SD63MC-9-130	3771433062
1202110	SD84MC-21-176	3772934026
N1201313	SD53MC-3-120	3771533037

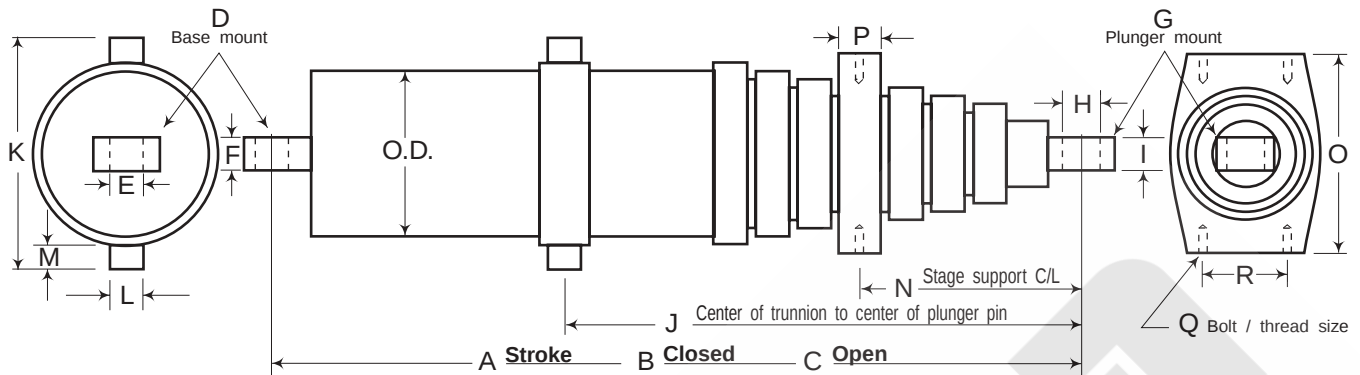
Wayne Engineering

00-29781-X1-AB	SD64MC-CP652-215	3799000652
00-29781-X3-AB	SD64MC-CP639-191	3799000639
17636-001	SD32CC-2-63	3770732002
27087-03 WB	SD64MC-CP639-191	3799000639
29781-23 WB	SD64MC-CP639-191	3799000639
WB-08535-05	SD42CC-11-78	3771032013
WB-24069-01	SD64MC-CP652-215	3799000652
WB-24069-03	SD64MC-CP639-191	3799000639
WB-27087-01	SD64MC-CP652-215	3799000652
WB-27087-03	SD64MC-CP639-191	3799000639
WB-29781-23	SD64MC-CP639-191	3799000639
WC-17525-01	D45CL-13-10	3773621017
WC-17583-01	D35CC-12-28.25	3773821035

Wittke Waste

110121-2	D25LL-9-36	3772621124
AUHC-04	D15DD-3-66	3776921019
AUHC-07	D20CC-6-4	3770121131
AUHC-08	D50CC-21-18.50	3777921063
AUHC-09	D30DC-2-17.38	3770521097
E0302160	D35CD-11-19	3773821068
FL7-A066	D35CD-11-19	3773821068
FL7-A117W	SD53CD-3-168	3771933012
FL7-A118W	SD53CD-3-185.75	3771533089
FL7-A125W	SD53CD-3-156.88	3771933019
FLHC-07	SD53CD-3-156.88	3771933019
FLHC-08	SD53CD-3-168	3771933012
FLHC-18	SD53CD-3-156.88	3771933019
FLHC-19	SD53CD-3-168	3771933012
FLHC-20	SD53CD-3-185.75	3771533089
FLHC-24	B5545	3790005545
FLHC-25	D25LL-14-42	3772621131
FLHC-26A	B5547	3790005547
FLHC-26B	B5548	3790005548
FLHC-26C	D45LD-7-45.38	3774121032
FLHC-27	D35LD-5-19	3773821057
FLHC-27A	D35LD-5-19	3773821057
FLHC-28	B5549	3790005549
FLHC-28C	D45LD-7-45.38	3774121032
FLHC-29	D25LL-9-36	3772621124
FLHC-30	SD53CD-3-156.88	3771933019
FLHC-31	SD53CD-3-168	3771933012
FLHC-32	SD53CD-3-185.75	3771533089
FLHC-33	D25LL-15-71.50	3772621134
FLHC-34	D25LL-15-84	3772621133
FLHC-35	B5772	3790005772
ROHC-03	B5732	3790005732

Telescopic Cylinder Application Data Form



Cylinder application _____

Single- or Double-acting _____ System operating pressure Normal _____ Max. _____

O.D. of body _____ Is there a relief valve in system _____ Setting _____

O.D. largest moving stage _____ System flow in G.P.M. Min. _____ Max. _____

Number of moving stages _____ System operating temp. Normal _____ Max. _____

Chrome or non-chrome stages _____ Fluid type _____

Mounting conditions _____ Vert. _____ Horz. _____ Incline angle _____ Load holding requirements _____

Any side or eccentric loading possible _____ Environmental condition _____

A : Total stroke _____ J : Plunger pin to trunnion C/L (if applicable) _____

B : Closed length _____ K : Trunnion overall width _____

C : Open length _____ L : Trunnion lug diameters _____

D : Base mount type or code _____ M : Trunnion lug lengths _____

E : Base pin diameter _____ N : Plunger pin to stage support (if applicable) _____

F : Base mount width _____ O : Stage support width _____

G : Plunger mount type or code _____ P : Stage support thickness _____

H : Plunger pin diameter _____ Q : Stage support bolt & thread size _____

I : Plunger mount width _____ R : Stage support bolt locations & C/L's _____

Special mounting (if applicable) _____

Extend port size and type _____ Extend port location _____

Retract port size and type _____ Retract port location _____

Special features or comments _____

Requested by: Firm _____ Current Quan. _____

Address _____ Future Quan. _____

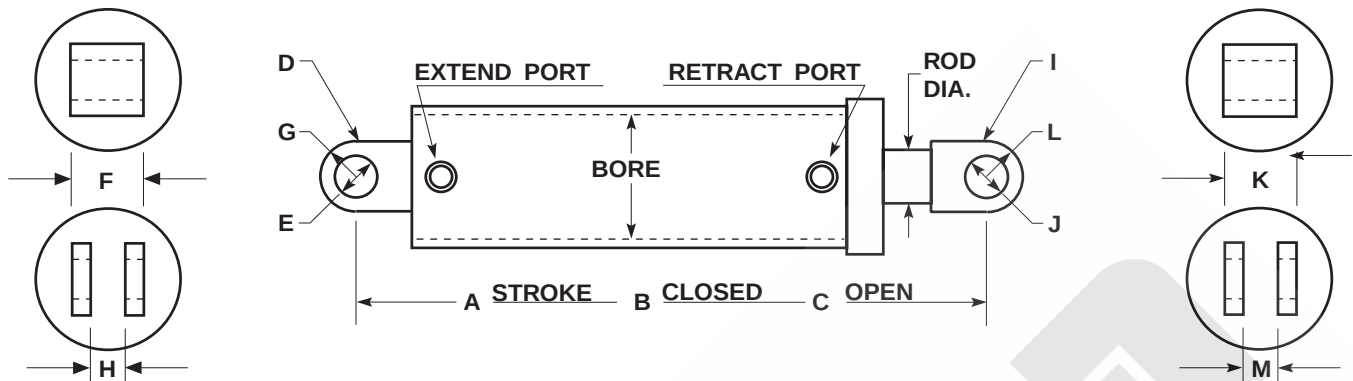
City _____ State _____ Zip _____

Phone _____ Fax _____

Contact _____

Phone: (800) 848-5575 * 330-480-8431 * Fax (800) 694-3392 * 330-480-8432

Piston Rod Cylinder Application Data Form



Cylinder application _____

Single- or Double-acting _____ System operating pressure Normal _____ Max. _____

Bore _____ Is there a relief valve in system _____ Setting _____

Rod diameter _____ System flow in G.P.M. Min. _____ Max. _____

Head & gland design _____ System operating temp. Normal _____ Max. _____

Piston design _____ Fluid type _____

Mounting conditions _____ Vert. _____ Horz. _____ Incline angle _____ Load holding requirements _____

Any side or eccentric loading possible _____ Environmental condition _____

A : Total stroke _____

B : Closed length _____

C : Open length _____

D : Base mount type or code _____

E : Base pin diameter _____

F : Base mount width _____

G : Base mount radius _____

H : Base Clevis Gap (if applicable) _____

I : Plunger mount type or code _____

J : Plunger pin diameter _____

K : Plunger mount width _____

L : Plunger mount radius _____

M : Plunger clevis gap (if applicable) _____

Special mounting (if applicable) _____

Extend port size and type _____ Extend port location _____

Retract port size and type _____ Retract port location _____

Special features or comments _____

Requested by: Firm _____ Current Quan. _____

Address _____ Future Quan. _____

City _____ State _____ Zip _____

Phone _____ Fax _____

Contact _____

Phone: (800) 848-5575 * 330-480-8431 * Fax (800) 694-3392 * 330-480-8432

Storage and Installation

STORAGE

It pays to keep spare hydraulic cylinders on hand for use when you need them. But, you must know and follow these recommended storage practices or the cylinders can be ruined. Hydraulic cylinders, though often large and unwieldy, are precision machines with finely finished parts and close tolerances. And they're expensive. So handle them with care.

For optimum storage life, hydraulic cylinders should be kept in an environment that is protected from excessive moisture and temperature extremes. A hot, dry desert climate with cold nights, for example, must be accommodated when choosing the storage area. Daytime heat quickly bakes oil out of sealing materials, which causes leaks and rapid wear when the cylinder is placed in service. Cooling at night causes water condensation and corrosion damage to wear surfaces. Storage areas that allow exposure to rain, snow and extreme cold must likewise be avoided.

It's best to store cylinders indoors if possible. But indoors or out, be sure that plugs or closures are properly installed in all ports to keep out moisture and dirt. However, overtightening of port plugs should be avoided. Widely varying temperatures and tightly closed ports may cause pressure inside the cylinder to build up to the point where the piston moves far enough to expose the rod to corrosion or contamination. Try to choose a storage location where the cylinders are protected from physical damage. Even a little ding from a falling bar or forklift tine can cause trouble later.

Cylinders, Particularly large ones, should be stored closed in a vertical position with the rod end down. Be sure they're blocked securely to keep them from toppling. Storing with the rod ends down keeps oil on the seals, which protects them from drying out. This is more critical with fabric and butyl seals than with urethane sealing materials. Storing single-acting cylinders with the rod end up can cause port closures to pop open and leak, exposing the sleeves to corrosion damage and contamination. Storing with the rod end down also discourages the temptation to lift a cylinder by the rod eye – a dangerous practice. If horizontal storage cannot be avoided, the rod or cylinder should be rolled into a new position every two months or so to prevent drying, distortion and deterioration of the seals. Don't forget that a cylinder can be a major source of contamination. A small scratch or nick on the sleeve will quickly shred packing and contaminate the system. Store cylinders carefully and keep them clean.

The following procedures should be followed in order to prevent oxidation and maintain the surfaces of a mounted hydraulic cylinder during idle periods. These idle periods may include; inventory units, demo units, out of service units, etc.

- All machined surfaces left exposed should be coated with a light film of grease, if not oxidation will occur.
- If oxidation is present, apply a light coat of oil to the surfaces.
- Buff surfaces with 320 or 400 grit sandpaper. Do not buff surfaces up and down the length, buff only around the circumference.
- If after buffing, the surfaces show evidence of oxidation damage i.e., pitting, the cylinder should be inspected by an authorized service center for evaluation.
- Operation of a hydraulic cylinder with surface damage will shorten the longevity and preclude any warranty express or implied.

INSTALLATION

Cleanliness is an important consideration, and Parker cylinders are shipped with the ports plugged to protect them from contaminants entering the ports. These plugs should not be removed until the piping is to be installed. Before making the connection to the cylinder ports, the piping should be thoroughly cleaned to remove all chips or burrs which might have resulted from threading or flaring operations. One small foreign particle can cause premature failure of the cylinder or other hydraulic system components. If oxidation is present, apply a light coat of oil to the surfaces.

- Proper alignment of the cylinder piston rod and its mating component on the machine should be checked in both the extended and retracted positions. Improper alignment will result in excessive rod gland and/or cylinder bore wear.
- Cylinders operating in an environment where air drying material are present such as fast-drying chemicals, paint, or welding splatter, or other hazardous conditions such as excessive heat, should have shields installed to prevent damage to the piston rod and piston rod seals.

Parker Safety Guide for Selecting and Using Hydraulic Cylinders and Their Accessories

WARNING:  **FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF CYLINDERS AND THEIR RELATED ACCESSORIES CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.**

Before selecting or using Parker cylinders or related accessories, it is important that you read, understand and follow the following safety information.

User Responsibility

Due to very wide variety of cylinder applications and cylinder operating conditions, Parker does not warrant that any particular cylinder is suitable for any specific application. This safety guide does not analyze all technical parameters that must be considered in selecting a product. The hydraulic and pneumatic cylinders outlined in this catalog are designed to Parker's design guide lines and do not necessarily meet the design guide lines of other agencies such as American Bureau of Shipping, ASME Pressure Vessel Code etc. The user, through its own analysis and testing, is solely responsible for:

- Making the final selection of the cylinders and related accessories.
- Determining if the cylinders are required to meet specific design requirements as required by the Agency(s) or industry standards covering the design of the user's equipment.
- Assuring that the user's requirements are met, OSHA requirements are met, and safety guidelines from the applicable agencies such as but not limited to ANSI are followed and that the use presents no health or safety hazards.
- Providing all appropriate health and safety warnings on the equipment on which the cylinders are used.

Seals

The seals for the product lines shown in this catalogue are intended for mineral base hydraulic fluids and for the operating temperatures ranges as indicated. The operation of these products with other fluids or at other operating temperatures must be brought to the attention of our engineering department so that proper seals for intended operation may be selected.

The application of cylinders may allow fluids such as cutting fluids, wash down fluids etc. to come in contact with the external area of the cylinder. These fluids may attack the piston rod wiper and/or the primary seal and must be taken into account when selecting and specifying seal compounds.

Dynamic seals will wear. The rate of wear will depend on many operating factors. Wear can be rapid if a cylinder is mis-aligned or if the cylinder has been improperly serviced. The user must take seal wear into consideration in the application of cylinders.

Piston Rods

Possible consequences of piston rod failure or separation of the piston rod from the piston include, but are not limited to are:

- Piston rod and/or attached load thrown off at high speed.
- High velocity fluid discharge.
- Piston rod extending when pressure is applied in the piston retract mode.

Piston rods or machine members attached to the piston rod may move suddenly and without warning as a consequence of other conditions occurring to the machine such as, but not limited to:

- Unexpected detachment of the machine member from the piston rod.
- Failure of the pressurized fluid delivery system (hoses, fittings, valves, pumps, compressors) which maintain cylinder position.
- Catastrophic cylinder seal failure leading to sudden loss of pressurized fluid.
- Failure of the machine control system.

Part of selecting cylinders for a specific operation involves the proper selection of the piston rod diameter. This catalogue contains information in the selection of piston rod diameter, which must be followed in order to avoid possible buckling.

Piston rods are not normally designed to absorb bending moments or loads which are perpendicular to the axis of piston rod motion. These additional loads can cause the piston rod to fail. If these types of additional loads are expected to be imposed on the piston rod, their magnitude should be made known to our engineering department.

The cylinder user should always make sure that the piston rod is securely attached to the machine member.

Cushions

Cushions are devices internal to the cylinder to slow the piston and rod assembly down at the end of the stroke. It is suggested they be used to reduce piston impact at the end of the cylinder stroke when the cylinder is expected to move at relatively high velocity.

Cylinder cushions are normally designed to absorb the energy of a linear applied load. A rotating mass has considerably more energy than the same mass moving in a linear mode. Cushioning for a rotating mass application should be reviewed by our engineering department.

Cylinder Mountings

Some cylinder mounting configurations may have certain limitations such as but not limited to minimum stroke for side or foot mounting cylinders or pressure de-ratings for certain flange mounts. Carefully review the catalog for these types of restrictions.

Always mount cylinders using the largest possible high tensile alloy steel socket head cap screws that can fit in the cylinder mounting holes and torque them to the manufacturer's recommendations for their size.

Port Fittings

Hydraulic cylinders applied with meter out or deceleration circuits are subject to intensified pressure at piston rod end.

The rod end pressure is approximately equal to:

$$\frac{\text{operating pressure} \times \text{effective cap end area}}{\text{effective rod end piston area}}$$

Contact your connector supplier for the pressure rating of individual connectors.

Cylinder Modifications or Repairs

Cylinders as shipped from the factory are not to be disassembled and/or modified. If cylinders require modifications, these modifications must be done at Parker locations or by Parker certified facilities. The Mobile Cylinder Division Engineering Department must be notified in the event of a mechanical fracture or permanent deformation of any cylinder component (excluding seals). This includes a broken piston rod, mounting accessory or any other cylinder component. This notification should include all operation and application details. This information will be used to provide an engineered repair that will prevent recurrence of the failure. It is allowed to disassemble cylinders for the purpose of replacing seals or seal assemblies.

Offer of Sale

The items described in this document are hereby offered for sale at prices to be established by Parker Hannifin Corporation, its subsidiaries and its authorized distributors. This offer and its acceptance by any customer ("Buyer") shall be governed by all of the following Terms and Conditions. Buyer's order for any item described in its document, when communicated to Parker Hannifin Corporation, its subsidiary or an authorized distributor ("Seller") verbally or in writing, shall constitute acceptance of this offer.

1. **Terms and Conditions of Sale:** All descriptions, quotations, proposals, offers, acknowledgments, acceptances and sales of Seller's products are subject to and shall be governed exclusively by the terms and conditions stated herein. Buyer's acceptance of any offer to sell is limited to these terms and conditions. Any terms or conditions in addition to, or inconsistent with those stated herein, proposed by Buyer in any acceptance of an offer by Seller, are hereby objected to. No such additional, different or inconsistent terms and conditions shall become part of the contract between Buyer and Seller unless expressly accepted in writing by Seller. Seller's acceptance of any offer to purchase by Buyer is expressly conditional upon Buyer's assent to all the terms and conditions stated herein, including any terms in addition to, or inconsistent with those contained in Buyer's offer. Acceptance of Seller's products shall in all events constitute such assent.

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3. **Delivery:** Unless otherwise provided on the face hereof, delivery shall be made F.O.B. Seller's plant. Regardless of the method of delivery, however, risk of loss shall pass to Buyer upon Seller's delivery to a carrier. Any delivery dates shown are approximate only and Seller shall have no liability for any delays in delivery.

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9. **Taxes:** Unless otherwise indicated on the face hereof, all prices and charges are exclusive of excise, sales, use, property, occupational or like taxes which may be imposed by any taxing authority upon the manufacture, sale or delivery of the items sold hereunder. If any such taxes must be paid by Seller or if Seller is liable for the collection of such tax, the amount thereof shall be in addition to the amounts for the items sold. Buyer agrees to pay all such taxes or to reimburse Seller therefore upon receipt of its invoice. If Buyer claims exemption from any sales, use or other tax imposed by any taxing authority, Buyer shall save Seller harmless from and against any such tax, together with any interest or penalties thereon which may be assessed if the items are held to be taxable.

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If a claim is based on information provided by Buyer or if the design for an item delivered hereunder is specified in whole or in part by Buyer, Buyer shall defend and indemnify Seller for all costs, expenses or judgments resulting from any claim that such item infringes any patent, trademark, copyright, trade dress, trade secret or any similar right.

11. **Force Majeure:** Seller does not assume the risk of and shall not be liable for delay or failure to perform any of Seller's obligations by reason of circumstances beyond the reasonable control of Seller (hereinafter 'events of Force Majeure'). Events of Force Majeure shall include without limitation, accidents, acts of God, strikes or labor disputes, acts, laws, rules or regulations of any government or government agency, fires, floods, delays or failures in delivery of carriers or suppliers, shortages of materials and any other cause beyond Seller's control.

12. **Entire Agreement/Governing Law:** The terms and conditions set forth herein, together with any amendments, modifications and any different terms or conditions expressly accepted by Seller in writing, shall constitute the entire Agreement concerning the items sold, and there are no oral or other representations or agreements which pertain thereto. This Agreement shall be governed in all respects by the law of the State of Ohio. No actions arising out of the sale of the items sold hereunder or this Agreement may be brought by either party more than two (2) years after the cause of action accrues.

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Parker Hannifin Corporation
6035 Parkland Blvd.
Cleveland, Ohio 44124-4141
Telephone: (216) 896-3000
Fax: (216) 896-4000
www.parker.com

Parker Hannifin Corporation

About Parker Hannifin Corporation

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Parker's Charter

To be a leading worldwide manufacturer of components and systems for the builders and users of durable goods. More specifically, we will design, market and manufacture products controlling motion, flow and pressure. We will achieve profitable growth through premier customer service.

Product Information

North American customers seeking product information, the location of a nearby distributor, or repair services will receive prompt attention by calling the Parker Product Information Center at our toll-free number: 1-800-C-PARKER (1-800-272-7537). In Europe, call 00800-C-PARKER-H (00800-2727-5374).

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designs, manufactures and markets system-control and fluid-handling components and systems to refrigeration, air-conditioning and industrial customers worldwide.



The Fluid Connectors Group

designs, manufactures and markets rigid and flexible connectors, and associated products used in pneumatic and fluid systems.



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Mobile Cylinder Div.
P.O. Box 239
Youngstown, OH 44501-0239
Tel: (330) 740-8670
Fax: (330) 480-8432
www.parker.com

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