

2010 Catalog

L00136

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Haldex



Hydraulic Brake Calipers



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14 – Hydraulic Brake Calipers

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14-HYDRAULIC BRAKE CALIPERS

Part Number Index

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Type "O" = OEM P/N, Type "S" = Service P/N

If OEM part # is not found on page listed, refer to the MCR for applicable cross reference.

PURPOSE OF THIS SECTION

This section is designed as a reference for Haldex Commercial Vehicle Systems new and remanufactured air brake system components and accessories, sold under the Haldex and Midland product names. Products described include all pertinent information needed to replace an OEM installed component or to help design an original installation. If there is a service number for a given part, it is noted in the product number table.

DESIGN FLEXIBILITY

The products presented in this section are described by function and usage. Technical data and mounting configurations are also provided. Throughout this section, reference is made to numerous specific OEM applications. This section is not, however, intended to be a mutually exclusive listing of all part numbers and designs available. Should the need for a design not presented occur, contact your Haldex Commercial Vehicle Systems sales representative for additional information.

WARRANTY INFORMATION

Proper service and repair are important to the safe, reliable operation of any motor vehicle. To prevent personal injury and/or vehicle damage, careful and cautious service procedures recommended by the vehicle manufacturer should be followed by anyone servicing a motor vehicle. For details on warranty of Haldex Commercial Vehicle air brake system components and accessories, refer to L20221 Aftermarket Warranty Policy. For warranty returns, use L90005 Warranty Adjustment Form. To obtain further information, visit the **www.haldex.com** website, select **North America/English** in drop down box then search for **Warranty**.

ORDERING PROCEDURE

Most customers can place electronic orders on the www.haldex.com website by obtaining a username and password or by using EDI. For additional information about electronic orders or to place an order by phone or fax, contact Customer Service in U.S. or Canada at numbers listed below:

U.S. Customer Service:

Phone: 800-643-2374
Fax: 800-533-1941
Mail: Commercial Vehicle Systems
Haldex Brake Products Corporation
Attn: Customer Service Department
10930 N. Pomona Ave.
Kansas City, MO 64153

Canada Customer Service:

Phone: 800-267-9247
Fax: 519-621-3924
Mail: Commercial Vehicle Systems
Haldex Limited
Canadian Distribution Centre
Attn: Customer Service Department
500 Pinebush Road, Unit 1
Cambridge, Ontario N1T 0A5

IMPORTANT NOTICE

The data listed herein is correct to the best of Commercial Vehicle Systems knowledge and belief, having been compiled from reliable and official sources of information. However, COMMERCIAL VEHICLE SYSTEMS CANNOT ASSUME ANY RESPONSIBILITY for possible error or misapplication of the product. Final determination of the suitability of the products for the use contemplated by the Buyer is the sole responsibility of the Buyer. Commercial Vehicle Systems shall have no responsibility in connection with this suitability. It is not our intention to imply that any of the components in this catalog in connection with an engine make or model are made by any engine manufacturer.

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Kansas City, MO 64153

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2.60" Twin Piston Caliper – Remanufactured



Features:

- Phenolic Pistons

Specifications:

Inlet Port	7/16 – 24
Application	Navistar
Shim Kit	SK225K
Disc Pad Set	HP7815D717
Hardware Kit	RH5634K

Notes:

- 1) *55245 series calipers also replaced with 55314 series



SKU#	Product Description	Contains	Casting Number	Approx. Weight	Notes	Core Group	Pic. #
RH55312X	Remanufactured Bendix® 2.60" Twin Piston – Special	Caliper Only	4151733	20 lbs.	Note port locations and machined area above ports.	HYD1051	1
RH55313X	Remanufactured Bendix® 2.60" Twin Piston	Caliper Only	4151733	21 lbs.	Note port locations.	HYD1051	2
RH55314LX	Remanufactured Bendix® 2.60" Twin Piston, Fully Loaded	Caliper, Pads and Mounting Hardware	4151733 2238299* 4151020*	25 lbs.	Note port locations.	HYD1051	3
RH55314SX	Remanufactured Bendix® 2.60" Twin Piston, Semi-Loaded	Caliper and Mounting Hardware	4151733 2238299* 4151020*	22 lbs.	Note port locations.	HYD1051	3
RH55314X	Remanufactured Bendix® 2.60" Twin Piston	Caliper Only	4151733 2238299* 4151020*	21 lbs.	Note port locations.	HYD1051	3

2.88" Twin Piston Caliper – Remanufactured



Features:

- RH55480 Series have Metric Hose Clamp Holes

Specifications:

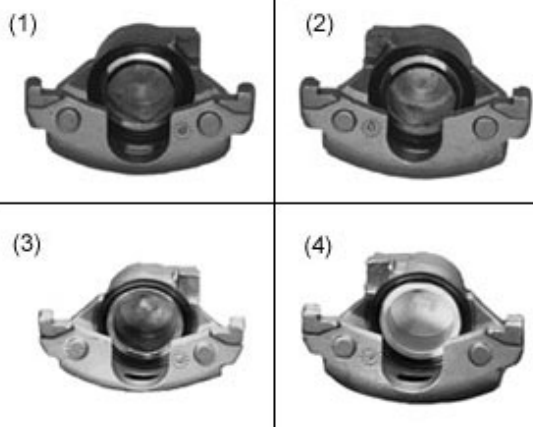
Inlet Port	7/16 – 24
Shim Kit	SK225K
Disc Pad Set	HP7142D225
Hardware Kit for 55250 Series	RH5635K

Notes:

- 1) When not specified left or right side, can be used on either with relocation of bleeder screw.
- 2) RH55480 series have Metric Hose Clamp Holes.

SKU#	Product Description	Contains	Casting #	Approx. Weight	Application	Notes	Core Group	Pic. #
RH55250LLX	Reman. Bendix® 2.88" Twin Piston, Fully Loaded	Caliper, Pads and Mounting Hardware	4150844	31 lbs.	Chevrolet GMC Navistar	Left Hand	HYD1052	1
RH55250RLX	Reman. Bendix® 2.88" Twin Piston, Fully Loaded	Caliper, Pads and Mounting Hardware	4150844	31 lbs.	Chevrolet GMC Navistar	Right Hand	HYD1052	1
RH55250SX	Reman. Bendix® 2.88" Twin Piston, Semi-Loaded	Caliper and Mounting Hardware	4150844	26 lbs.	Chevrolet GMC Navistar	–	HYD1052	1
RH55250X	Reman. Bendix® 2.88" Twin Piston	Caliper Only (Base Caliper)	4150844	24 lbs.	Chevrolet GMC Navistar	–	HYD1052	1
RH55480LLX	Reman. Bendix® 2.88" Twin Piston, Fully Loaded	Caliper, Pads and Mounting Hardware	4150884	30 lbs.	Chevrolet GMC	Left Hand	HYD1052	2
RH55480RLX	Reman. Bendix® 2.88" Twin Piston, Fully Loaded	Caliper, Pads and Mounting Hardware	4150884	30 lbs.	Chevrolet GMC	Right Hand	HYD1052	2
RH55480SX	Reman. Bendix® 2.88" Twin Piston, Semi-Loaded	Caliper and Mounting Hardware	4150884	25 lbs.	Chevrolet GMC	–	HYD1052	2
RH55480X	Reman. Bendix® 2.88" Twin Piston	Caliper Only (Base Caliper)	4150884	24 lbs.	Chevrolet GMC	–	HYD1052	2
RH55656LLX	Reman. Bendix® 2.88" Twin Piston, Fully Loaded	Caliper, Pads and Mounting Hardware	4152279	30 lbs.	Navistar w/Air Suspension	Left Hand	HYD1052	3
RH55656RLX	Reman. Bendix® 2.88" Twin Piston, Fully Loaded	Caliper, Pads and Mounting Hardware	4152279	30 lbs.	Navistar w/Air Suspension	Right Hand	HYD1052	3
RH55656SX	Reman. Bendix® 2.88" Twin Piston, Semi-Loaded	Caliper and Mounting Hardware	4152279	25 lbs.	Navistar w/Air Suspension	–	HYD1052	3
RH55656X	Reman. Bendix® 2.88" Twin Piston	Caliper Only	4152279	24 lbs.	Navistar w/Air Suspension	–	HYD1052	3

3.38" Single Piston Caliper – Remanufactured



Specifications:

Shim Kit SK224K
Disc Pad Set HP7815D717
Hardware Kit RH5519K

SKU#	Product Description	Contains	Casting #	Inlet Port	Approx. Weight	Application	Core Group	Pic. #
RH55098LX	Reman. Bendix® 3.38" Single Piston, Right Hand, Fully Loaded	Caliper, Pads and Mounting Hardware	2238452R	3/8 – 24	25 lbs.	Navistar	HYD1050	2
RH55098SX	Reman. Bendix® 3.38" Single Piston, Right Hand, Semi-Loaded	Caliper and Mounting Hardware	2238452R	3/8 – 24	19 lbs.	Navistar	HYD1050	2
RH55098X	Reman. Bendix® 3.38" Single Piston, Right Hand	Caliper Only	2238452R	3/8 – 24	17 lbs.	Navistar	HYD1050	2
RH55099LX	Reman. Bendix® 3.38" Single Piston, Left Hand, Fully Loaded	Caliper, Pads and Mounting Hardware	2238451L	3/8 – 24	23 lbs.	Navistar	HYD1050	1
RH55099SX	Reman. Bendix® 3.38" Single Piston, Left Hand, Semi-Loaded	Caliper and Mounting Hardware	2238451L	3/8 – 24	19 lbs.	Navistar	HYD1050	1
RH55099X	Reman. Bendix® 3.38" Single Piston, Left Hand	Caliper Only	2238451L	3/8 – 24	17 lbs.	Navistar	HYD1050	1
RH55199LX	Reman. Bendix® 3.38" Single Piston, Right Hand, Fully Loaded	Caliper, Pad and Mounting Hardware	2230355R	M10 x 1.5 Metric	25 lbs.	Chevrolet GMC	HYD1050	4
RH55199SX	Reman. Bendix® 3.38" Single Piston, Right Hand, Semi-Loaded	Caliper and Mounting Hardware	2230355R	M10 x 1.5 Metric	19 lbs.	Chevrolet GMC	HYD1050	4
RH55199X	Reman. Bendix® 3.38" Single Piston, Right Hand	Caliper Only	2230355R	M10 x 1.5 Metric	17 lbs.	Chevrolet GMC	HYD1050	4
RH55200LX	Reman. Bendix® 3.38" Single Piston, Left Hand, Fully Loaded	Caliper, Pads and Mounting Hardware	2230354L	M10 x 1.5 Metric	25 lbs.	Chevrolet GMC	HYD1050	3
RH55200SX	Reman. Bendix® 3.38" Single Piston, Left Hand, Semi-Loaded	Caliper and Mounting Hardware	2230354L	M10 x 1.5 Metric	19 lbs.	Chevrolet GMC	HYD1050	3
RH55200X	Reman. Bendix® 3.38" Single Piston, Left Hand	Caliper Only	2230354L	M10 x 1.5 Metric	17 lbs.	Chevrolet GMC	HYD1050	3

2 x 66mm Bosch Type Caliper – Remanufactured



Features:

- Available as caliper only or loaded with friction
- Premium Haldex disc pads included in loaded versions

Specifications:

Disc Pad Set (Axle) HP7654D786
Inlet Port 7/16 – 24

SKU#	Product Description	Contains	Casting/MFG. #	Application	Approx. Weight	Core Group
RH55849LX	Reman. 2 x 66mm Bosch Type Brake Caliper	Exchange Caliper and Disc Pads	4153269 2501839C91 2509253C91	1998 and Newer 3000–49000 Series Navistar Vehicles	31 lbs.	HYD1066
RH55849SX	Reman. 2 x 66mm Bosch Type Brake Caliper, Semi-Loaded	Caliper and Mounting Hardware	4153269 2501839C91 2509253C91	1998 and Newer 3000–49000 Series Navistar Vehicles	30.5 lbs.	HYD1066
RH55849X	Reman. 2 x 66mm Bosch Type Brake Caliper	Exchange Caliper Only	4153269 2501839C91 2509253C91	1998 and Newer 3000–49000 Series Navistar Vehicles	29.5 lbs.	HYD1066

2 x 73mm Bosch Type Caliper – Remanufactured



Features:

- Available as caliper only or loaded with friction
- Premium Haldex disc pads included in loaded versions

Specifications:

Disc Pad Set (Axle) HP7655D786
Inlet Port 7/16 – 24

SKU#	Product Description	Contains	Casting/MFG. #	Application	Approx. Weight	Core Group
RH55850LX	Reman. 2 x 7mm Bosch Type Brake Caliper	Exchange Caliper and Disc Pads	4153222 2501838C91 2509254C91	1998 and Newer 3000–49000 Series Navistar Vehicles	31 lbs.	HYD1070
RH55850SX	Reman. 2 x 73mm Bosch Type Brake Caliper, Semi-Loaded	Caliper and Mounting Hardware	4153222 2501838C91 2509254C91	1998 and Newer 3000–49000 Series Navistar Vehicles	30.5 lbs.	HYD1070
RH55850X	Reman. 2 x 73mm Bosch Type Brake Caliper	Exchange Caliper Only	4153222 2501838C91 2509254C91	1998 and Newer 3000–49000 Series Navistar Vehicles	29.5 lbs.	HYD1070

2.50" Twin Piston Caliper – Remanufactured



Specifications:

Inlet Port	7/16 – 24
Shim Kit	SK224K
Disc Pad Set	HP7141D224
Hardware Kit	RH5636K

SKU#	Product Description	Contains	Casting Number	Approx. Weight	Application	Core Group
RH55251LX	Reman. Dayton Walther 2.50" Twin Piston, Fully Loaded	Caliper, Pads and Mounting Hardware	472	27 lbs.	Chevrolet Ford GMC	HYD1053
RH55251SX	Reman. Dayton Walther 2.50" Twin Piston, Semi-Loaded	Caliper and Mounting Hardware	472	20 lbs.	Chevrolet Ford GMC	HYD1053
RH55251X	Reman. Dayton Walther 2.50" Twin Piston	Caliper Only	472	18 lbs.	Chevrolet Ford GMC	HYD1053

2.88" Twin Piston Caliper – Remanufactured



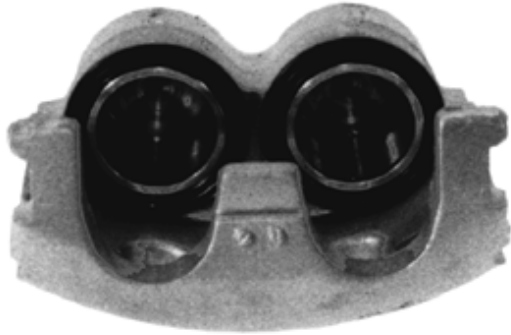
Specifications:

Inlet Port 7/16 – 24
Shim Kit SK236K
Disc Pad Set HP7149D236
Hardware Kit RH5637K

Notes:

- 1) RH55252X base caliper can be used on left or right side with relocation of bleeder screw.

SKU#	Product Description	Contains	Casting Number	Approx. Weight	Application	Core Group
RH55252LLX	Reman. Dayton Walther 2.88" Twin Piston, Left Hand, Fully Loaded	Caliper, Pads and Mounting Hardware	578	40 lbs.	Chevrolet GMC Ford	HYD1054
RH55252LSX	Reman. Dayton Walther 2.88" Twin Piston, Left Hand, Semi-Loaded	Caliper and Mounting Hardware	578	35 lbs.	Chevrolet GMC Ford	HYD1054
RH55252RLX	Reman. Dayton Walther 2.88" Twin Piston, Right Hand, Fully Loaded	Caliper, Pads and Mounting Hardware	578	40 lbs.	Chevrolet GMC Ford	HYD1054
RH55252RSX	Reman. Dayton Walther 2.88" Twin Piston, Right Hand, Semi-Loaded	Caliper and Mounting Hardware	578	35 lbs.	Chevrolet GMC Ford	HYD1054
RH55252X	Reman. Dayton Walther 2.88" Twin Piston	Caliper Only	578	27 lbs.	Chevrolet GMC Ford	HYD1054

2.36" Twin Piston Caliper – Remanufactured**Specifications:**

Inlet Port 3/8 – 24
Hardware Kit RH5735K

SKU#	Product Description	Contains	Casting Number	Approx. Weight	Application	Core Group
RH55604LX	Reman. Kelsey Hayes 2.36" Twin Piston, Right Hand, Fully Loaded	Caliper, Pads and Mounting Hardware	KH12068401	24 lbs.	Ford E Ford F450	HYD1058
RH55604SX	Reman. Kelsey Hayes 2.36" Twin Piston, Right Hand, Semi-Loaded	Caliper and Mounting Hardware	KH12068401	19 lbs.	Ford E Ford F450	HYD1058
RH55604X	Reman. Kelsey Hayes 2.36" Twin Piston, Right Hand	Caliper Only	KH12068401	17 lbs.	Ford E Ford F450	HYD1058
RH55605LX	Reman. Kelsey Hayes 2.36" Twin Piston, Left Hand, Fully Loaded	Caliper, Pads and Mounting Hardware	KH12068401	24 lbs.	Ford E Ford F450	HYD1058
RH55605SX	Reman. Kelsey Hayes 2.36" Twin Piston, Left Hand, Semi-Loaded	Caliper and Mounting Hardware	KH12068401	19 lbs.	Ford E Ford F450	HYD1058
RH55605X	Reman. Kelsey Hayes 2.36" Twin Piston, Left Hand	Caliper Only	KH12068401	17 lbs.	Ford E Ford F450	HYD1058

3.62" Twin Piston Caliper – Remanufactured



Specifications:

Inlet Port 7/16 –
 24

1002 Series

SKU#	Product Description	Contains	Casting Number	Approx. Weight	Application	Core Group
RH1002LX	Remanufactured Kelsey Hayes 3.62" Twin Piston, Fully Loaded Hydraulic Brake Caliper Kit	Caliper, Pads and Mounting Hardware	KH91142-01, Ford 5HA-2B-120BB	48 lbs.	Ford/Mack with Hydraulic Front Brakes and Rear Air Brakes	HYD1056
RH1002X	Remanufactured Kelsey Hayes 3.62" Twin Piston Hydraulic Brake Caliper	Caliper Only	KH91142-01, Ford 5HA-2B-120BB	45 lbs.	Ford/Mack with Hydraulic Front Brakes and Rear Air Brakes	HYD1056

2.874" Twin Piston Caliper – Remanufactured

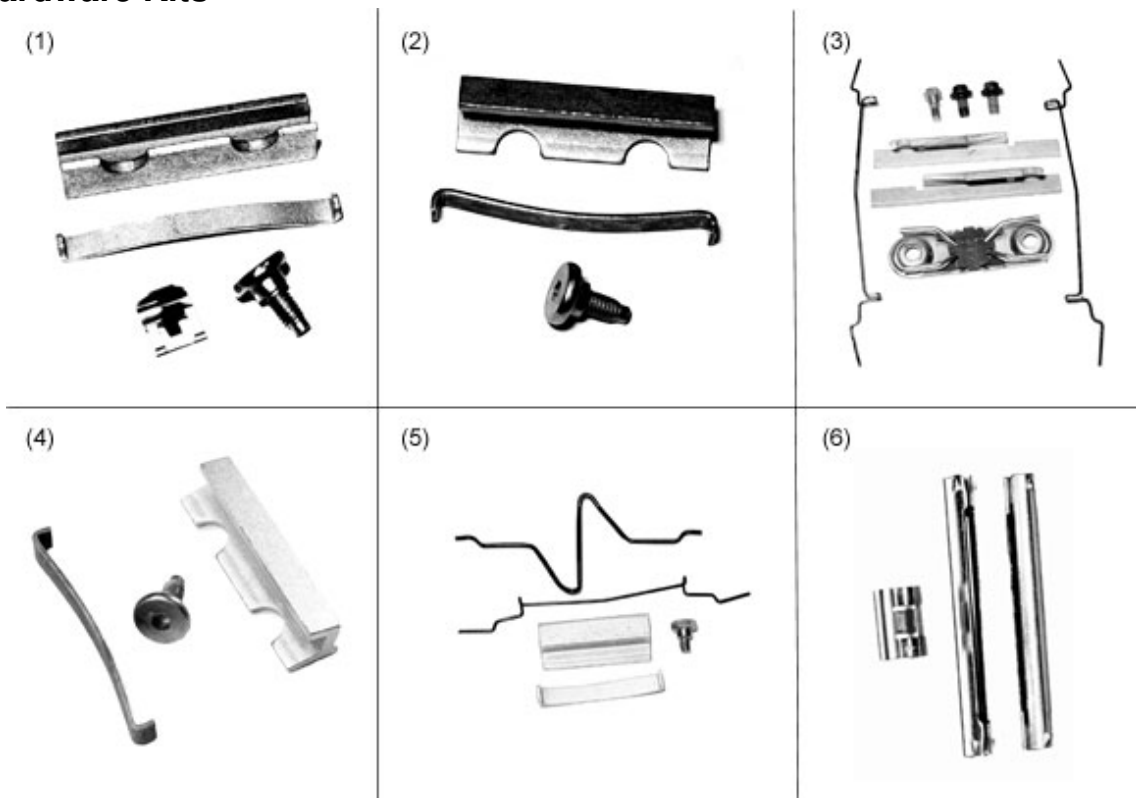


Specifications:

Inlet Port 7/16 –
24

SKU#	Product Description	Contains	Casting Number	Approx. Weight	Application	Core Group
RH22837LX	Reman. Varga 2.874" Twin Piston, Left Hand, Fully Loaded	Caliper, Pads and Mounting Hardware	VFCC2283-7	41 lbs.	Ford 1985-1991 CF6000-8000	HYD1055
RH22837X	Reman. Varga 2.874" Twin Piston, Left Hand	Caliper Only	VFCC2283-7	31 lbs.	Ford 1985-1991 CF6000-8000	HYD1055
RH22845LX	Reman. Varga 2.874" Twin Piston, Right Hand, Fully Loaded	Caliper, Pads and Mounting Hardware	VFCC2284-5	41 lbs.	Ford 1985-1991 CF6000-8000	HYD1055
RH22845X	Reman. Varga 2.874" Twin Piston, Right Hand	Caliper Only	VFCC2284-5	31 lbs.	Ford 1985-1991 CF6000-8000	HYD1055

Hardware Kits



SKU#	Product Description	Application	Picture Number
RH5519K	Hydraulic Brake Caliper Hardware Kit	RH55098X, RH55099X, RH55199X, RH55200X	1
RH5634K	Hydraulic Brake Caliper Hardware Kit	RH55245X, RH55314	4
RH5635K	Hydraulic Brake Caliper Hardware Kit	RH55250X	2
RH5636K	Hydraulic Brake Caliper Hardware Kit	RH55251	5
RH5637K	Hydraulic Brake Caliper Hardware Kit	RH55252 left and right, one kit will do either one.	3
RH5735K	Hydraulic Brake Caliper Hardware Kit	RH55605, RH55604	6
RH5850K	Hydraulic Brake Caliper Hardware Kit	RH55849, RH55850	not shown

Shim Kits**Product Image Not Available**

SKU#	Product Description	Application	Picture Number
SK224K	Hydraulic Brake Caliper Shim Kit	Bendix® 3.38" Single Dayton 2.50" Twin	–
SK225K	Hydraulic Brake Caliper Shim Kit	Bendix® 2.60" and 2.88"	–
SK236K	Hydraulic Brake Caliper Shim Kit	Dayton 2.88"	–

Back Plate Assemblies without Shoes



Notes:

- 1) Backing Plates with 1.625" Cylinders have been replaced by 1.750" Cylinders.
- 2) Cylinders must be replaced in pairs – i.e. you should use the same cylinder size on an axle.

SKU#	Product Description	Size	Approx. Weight	Core Group
RH203251X	Remanufactured Lucas Right Hand Backplate Assembly for 5" Shoes	1.750"	38 lbs.	HYD1009
RH203252X	Remanufactured Lucas Left Hand Backplate Assembly for 5" Shoes	1.750"	35 lbs.	HYD1009
RH203261X	Remanufactured Lucas Right Hand Backplate Assembly for 6"/ 7" Shoes	1.750"	40 lbs.	HYD1010
RH203262X	Remanufactured Lucas Left Hand Backplate Assembly for 6"/ 7" Shoes	1.750"	39 lbs.	HYD1010

Back Plate Assemblies with Shoes



Notes:

- 1) Backing Plates with 1.625" Cylinders have been replaced by 1.750" Cylinders.
- 2) Cylinders must be replaced in pairs – i.e. you should use the same cylinder size on an axle.

SKU#	Product Description	Size	Notes	Approx. Weight	Core Group
RH202251X	Remanufactured Lucas Right Hand Backplate Assembly with 5" Shoes	1.750"	Shoes Only FMSI – 4528 GW4528LWR (Relined Shoe) GW4528LWN (New Shoe)	55 lbs.	HYD1009
RH202252X	Remanufactured Lucas Left Hand Backplate Assembly with 5" Shoes	1.750"	Shoes Only FMSI – 4528 GW4528LWR (Relined Shoe) GW4528LWN (New Shoe)	55 lbs.	HYD1009
RH202261X	Remanufactured Lucas Right Hand Backplate Assembly with 6" Shoes	1.750"	Shoes Only FMSI – 4504 GW4504LWK (Relined, 2 per box) GW4504LWR (Relined Shoe) GW4504LWN (New Shoe)	60 lbs.	HYD1010
RH202262X	Remanufactured Lucas Left Hand Backplate Assembly with 6" Shoes	1.750"	Shoes Only FMSI – 4504 GW4504LWK (Relined, 2 per box) GW4504LWR (Relined Shoe) GW4504LWN (New Shoe)	60 lbs.	HYD1010
RH202271X	Remanufactured Lucas Right Hand Backplate Assembly with 7" Shoes	1.750"	Shoes Only FMSI – 4505 GW4505LWK (Relined, 2 per box) GW4505LWR (Relined Shoe) GW4505LWN (New Shoe)	63 lbs.	HYD1010
RH202272X	Remanufactured Lucas Left Hand Backplate Assembly with 7" Shoes	1.750"	Shoes Only FMSI – 4505 GW4505LWK (Relined, 2 per box) GW4505LWR (Relined Shoe) GW4505LWN (New Shoe)	63 lbs.	HYD1010

Park Cylinders/Expanders



Specifications:

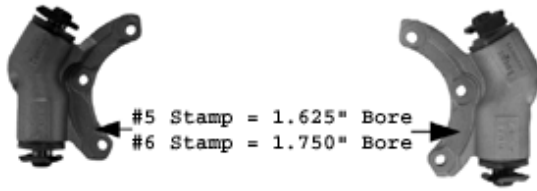
Inlet Port	7/16 – 24
Park Cylinder Repair Kit	RH7872K
Residual Check Valve	RH01K

Notes:

- 1) 1.625" Cylinders have been replaced by 1.750" Cylinders.
- 2) Cylinders must be replaced in pairs – i.e. you should use the same cylinder size on an axle.

SKU#	Product Description	Size	Approx. Weight	Core Group
RH201179	Left Hand Park Cylinder (Expander)	1.750"	14 lbs.	–
RH201179X	Remanufactured Lucas Left Hand Park Cylinder (Expander)	1.750"	14 lbs.	HYD1002
RH201180	Right Hand Park Cylinder (Expander)	1.750"	14 lbs.	–
RH201180X	Remanufactured Lucas Right Hand Park Cylinder (Expander)	1.750"	14 lbs.	HYD1002

Adjusting Cylinders



Specifications:

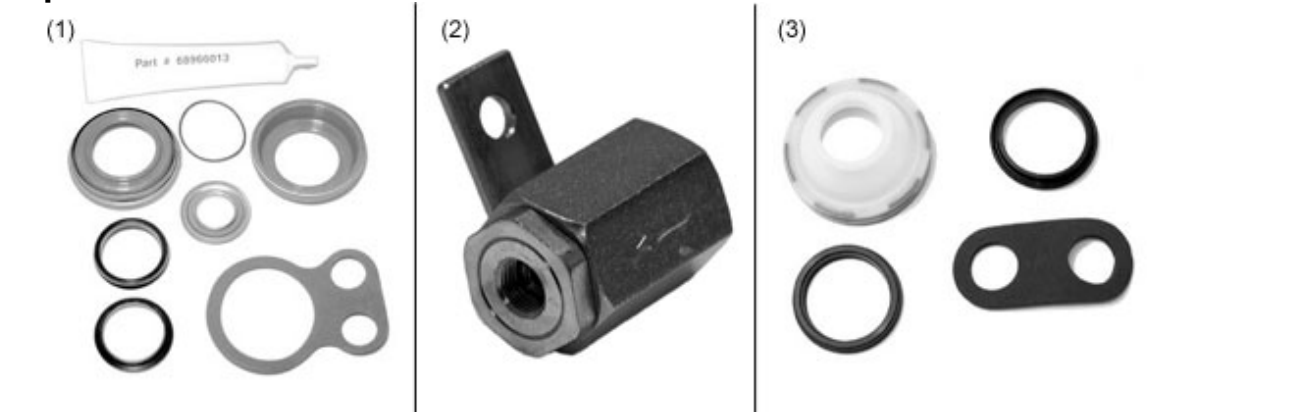
Inlet Port	7/16 – 24
Adjusting Cylinder Repair Kit	RH7871K
Residual Check Valve	RH01K

Notes:

- 1) 1.625" Cylinders have been replaced by 1.750" Cylinders.
- 2) Cylinders must be replaced in pairs – i.e. you should use the same cylinder size on an axle.

SKU#	Product Description	Size	Approx. Weight	Core Group
RH201183	Left Hand Wheel Cylinder	1.750" (#6 Stamp)	12 lbs.	–
RH201183X	Remanufactured Lucas Left Hand Wheel Cylinder	1.750" (#6 Stamp)	12 lbs.	HYD1003
RH201184	Right Hand Wheel Cylinder	1.750" (#6 Stamp)	12 lbs.	–
RH201184X	Remanufactured Lucas Right Hand Wheel Cylinder	1.750" (#6 Stamp)	12 lbs.	HYD1003

Repair Kits



SKU#	Product Description	Application	Picture Number
RH01K	Residual Check Valve for Adjusting Cylinders	RH201183, RH201183X, RH201184, RH201184X, RH201180, RH201180X, RH201179, RH201179X	2
RH7871K	Repair Kit for 1.75" Adjusting Cylinders	RH201183, RH201183X, RH201184, RH201184X	3
RH7872K	Repair Kit for 1.75" Park Cylinders	RH201179, RH201179X, RH201180, RH201180X	1

Hydraulic Residual Check Valve

Part Number: RH01K

This hydraulic residual check valve should be used in conjunction with the Lucas Girling type braking system. Installation of the RH01K hydraulic residual check valve will typically prevent this leakage; therefore extending the life cycle of these brake assemblies. This valve maintains a small amount of residual pressure (3 – 10 psi) in the brake line to keep a positive pressure on the seals in both the backing plate adjuster and part cylinders. This small amount of pressure will help keep the seal solidly fitted against their cylinder walls, thereby preventing excessive leakage. Installation of this valve will benefit the system whether the vehicle is running or parked. Please note that a minimal amount of external wetness on the cylinders with this type of system is normal and acceptable.



Installation Instruction

1. Find the brake line union behind the cab.
2. Remove this union and replace with residual check valve. Arrow on check valve ***must*** point toward the rear wheel. (Same as direction of fluid flow).
3. Pump brake pedal and bleed rear brakes.

Helpful Tips

It is possible to avoid bleeding the brakes by leaving the rear tube nut loose but threaded into the check valve. Have an assistant slowly depress the brake pedal until the fluid begins leaking at threaded port. Tighten rear tube nut once fluid begins to leak around threads. Check the fluid level in the master cylinder and the brake pedal for proper feel. Road test the vehicle. If you suspect there is air in the lines, bleed the brakes.

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Austria

Haldex Wien Ges.m.b.H.
Vienna
Tel.: +43 1 8 69 27 97
Fax: +43 1 8 69 27 97 27
E-Mail: info.AT@haldex.com

Belgium

Haldex N.V.
Balegem
Tel.: +32 9 363 90 00
Fax: +32 9 363 90 09
E-Mail: info.BE@haldex.com

Brazil

Haldex do Brasil Ind. e Com. Ltda.
São Paulo
Tel.: +55 11 213 55 000
Fax: +55 11 503 49 515
E-Mail: info.BR@haldex.com

Canada

Haldex Ltd.
Cambridge, Ontario
Tel.: +1 519 621 6722
Fax: +1 519 621 3924
E-Mail: info.CA@haldex.com

China

Haldex International Trading Co. Ltd.
Shanghai
Tel.: +86 21 5240 0338
Fax: +86 21 5240 0177
E-Mail: info.CN@haldex.com

France

Haldex Europe SAS
Weyersheim (Strasbourg)
Tel.: +33 3 88 68 22 00
Fax: +33 3 88 68 22 09
E-Mail: info.EUR@haldex.com

Germany

Haldex Brake Products GmbH
Heidelberg
Tel.: +49 6 221 7030
Fax: +49 6 221 703400
E-Mail: info.DE@haldex.com

Hungary

Haldex Hungary Kft.
Szentlőrincváta
Tel.: +36 29 631 300
Fax: +36 29 631 301
E-Mail: info.HU@haldex.com

India

Haldex India Limited
Nasik
Tel.: +91 253 2380094
Fax: +91 253 2380729

Italy

Haldex Italia Srl.
Biassono (Milan)
Tel.: +39 039 47 17 02
Fax: +39 039 27 54 309
E-Mail: info.IT@haldex.com

Korea

Haldex Korea Ltd.
Seoul
Tel.: +82 2 2636 7545
Fax: +82 2 2636 7548
E-Mail: info.HKR@haldex.com

Mexico

Haldex de Mexico S.A. De C.V.
Monterrey
Tel.: +52 81 8156 9500
Fax: +52 81 8313 7090

Poland

Haldex Sp. z o.o.
Praszka
Tel.: +48 34 350 11 00
Fax: +48 34 350 11 11
E-Mail: info.PL@haldex.com

Russia

OOO "Haldex RUS"
Moscow
Tel.: +7 495 747 59 56
Fax: +7 495 786 39 70
E-Mail: info.RU@haldex.com

Spain

Haldex España S.A.
Granollers
Tel.: +34 93 84 07 239
Fax: +34 93 84 91 218
E-Mail: info.ES@haldex.com

Sweden

Haldex Brake Products AB
Landskrona
Tel.: +46 418 47 60 00
Fax: +46 418 47 60 01
E-Mail: info.SE@haldex.com

United Kingdom

Haldex Ltd.
Newton Aycliffe
Tel.: +44 1325 310 110
Fax: +44 1325 311 834
E-Mail: info.GBAy@haldex.com

Haldex Brake Products Ltd.
Redditch
Tel.: +44 1527 499 499
Fax: +44 1527 499 500
E-Mail: info.GBRE@haldex.com

USA

Haldex Brake Products Corp.
Kansas City
Tel.: +1 816 891 2470
Fax: +1 816 891 9447
E-Mail: info.US@haldex.com

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