



Haldex

Haldex Reman Partners Warranty Guidelines

(L20719 Rev. 12-19)

EASY as 1-2-3

**Guidelines Include These
Remanufactured Products:**

Air Dryer

Alternator

Backing Plate

Caliper

Clutch

Compressor

Hydroboost

Master Cylinder

Power Steering Gear

Power Steering Pump

Starter

Vacuum Booster

Valve

Water Pump

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Important Notice

The products described within this literature, including without limitation, product features, specifications, designs, available and pricing are subject to change by Haldex and its subsidiaries at any time without notice.

This document and other information from Haldex, 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 literature or catalog. Due to the variety of operating conditions and applications for these products or systems, the user, through their own analysis and testing, is solely responsible for making final selection of the product and systems and assuring that all performance, safety and warning requirements are met.



EASY as 1-2-3

Step 1: Date Codes

Date Code Identification.....	Pg 2
General Warranty Questions.....	Pg 2

Step 2: Individual Product Warranty

Remanufactured Air Dryer.....	Pg 3
Remanufactured Alternator.....	Pg 3
Remanufactured Backing Plate.....	Pg 4
Remanufactured Caliper.....	Pg 4
Remanufactured Clutch.....	Pg 5
Remanufactured Compressor.....	Pg 5
Remanufactured Hydroboost.....	Pg 6
Remanufactured Master Cylinder.....	Pg 6
Remanufactured Power Steering Gear.....	Pg 7
Remanufactured Power Steering Pump.....	Pg 7
Remanufactured Starter.....	Pg 7
Remanufactured Vacuum Booster.....	Pg 8
Remanufactured Valve.....	Pg 8
Remanufactured Water Pump.....	Pg 8

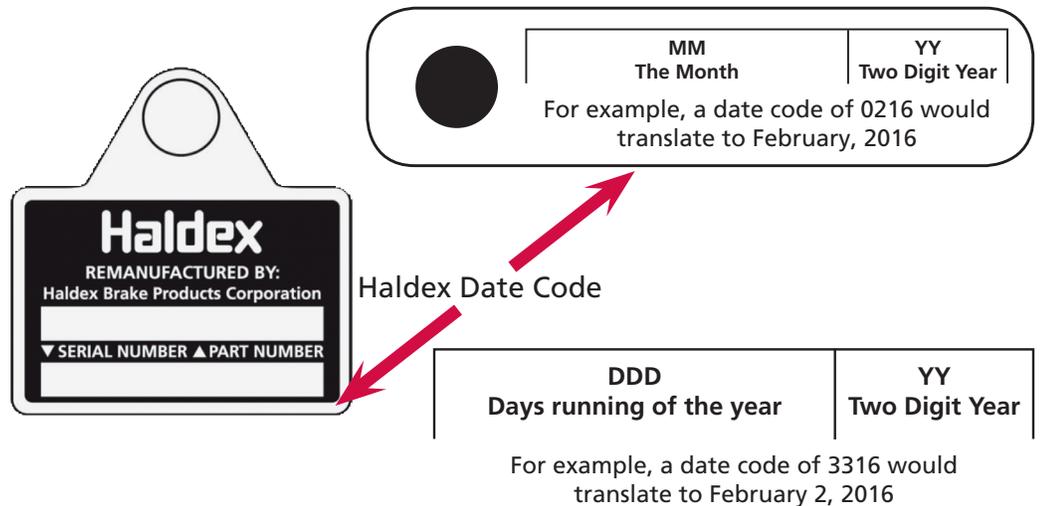
Step 3: Complete the Haldex On-Line Remanufactured Warranty Form

Where To Mail.....	Pg 9
Required Information.....	Pg 10



Step 1: Date Codes

Date Code Identification



General Warranty Questions

If you answer YES to all of the below questions, proceed to Step 2 and answer the questions for the specific product you are returning.

If you answer NO to any of the below questions your product does not qualify for Warranty.

1. Is the part a Haldex product?
2. Was the product remanufactured within the last 5 years?
3. Is the product within the specified warranty period?
4. Is the product free from unauthorized field repair or alteration and fully assembled?
5. Is the product free of heavy rust or fire damage?
6. Is the product in off-the-truck condition?
7. Is the product complete and not missing pieces?
8. Was the product used in the correct application?

Step 2: Individual Product Warranty

If you answer **YES** to all of the below questions, proceed to Step 3.

If you answer **NO** to any of the below questions your product does not qualify for Warranty.

Remanufactured Air Dryer

Warranty Period - 1 year or 100,000 miles.



1. Was the air dryer installed within 1 year or 100,000 miles?
2. Is the product tag attached or with the product?
3. Is the exhaust port free of excessive oil or carbon build up?
4. Is the outside of the dryer free of damage to the shell?
5. Are the air dryer ports free from being stripped or cracked?

Remanufactured Alternator

Warranty Period - 1 year or 100,000 miles.



1. Was the alternator installed within 1 year or 100,000 miles?
2. Is the product tag attached or with the product?
3. Is the unit free of oversize mounting holes, breaks or cracks to the mounting ears?
4. Is the shaft free from excessive wear?
5. Is the unit free from damage to the front or rear housing?



Step 2: Individual Product Warranty (cont'd)

If you answer **YES** to all of the below questions, proceed to Step 3.

If you answer **NO** to any of the below questions your product does not qualify for Warranty.

Remanufactured Backing Plate

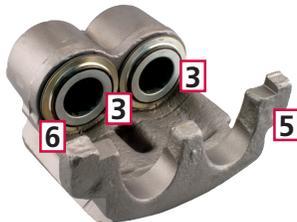
Warranty Period - 1 year or 100,000 miles.



1. Was the backing plate installed within 1 year or 100,000 miles?
2. Is the product tag attached or with the product? (Located on the back or mounting surface side of the backing plate.)
3. Are the adjusters free from damage or tightened all the way in?
4. Is the brake fluid free of signs of dirt or contamination?

Remanufactured Caliper

Warranty Period - 1 year or 100,000 miles.



1. Was the caliper installed within 1 year or 100,000 miles?
2. Are the caliper ports free from being damaged or stripped?
3. Are the pistons free from being damaged or stripped?
4. Is the brake fluid free of signs of dirt or contamination?
5. Is the casting free of cracks or breaks?
6. Is the caliper free of excessive rail wear?



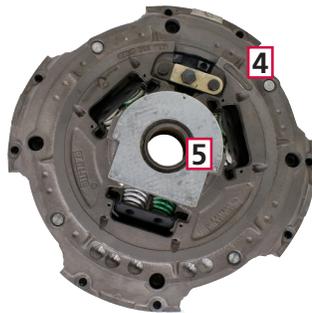
Step 2: Individual Product Warranty (cont'd)

If you answer **YES** to all of the below questions, proceed to Step 3.

If you answer **NO** to any of the below questions your product does not qualify for Warranty.

Remanufactured Clutch

Warranty Period - 1 year or 100,000 miles.



1. Was the clutch installed within 1 year or 100,000 miles?
2. Is the product tag attached or with the product?
3. Was the clutch used with the correct engine application?
4. Is the clutch cover free of broken ears?
5. Is the clutch cover free of cracks under the release bearing?
6. Is the release bearing free of damage from lack of lubrication? (Bearings out of race or cage.)
7. Are the splines on the clutch disc free from damage?
8. Is the friction material free of excessive wear on the disc? (Worn down to the rivets.)

Remanufactured Compressor

Warranty Period - Haldex EL1300, EL1600, Bendix® Tu-Flo 501, 550 and 750
2 years or 200,000 miles. All others are 1 year or 100,000 miles.



1. Was the compressor installed within the warranty period?
2. Is the product tag attached or with the product?
3. Is the compressor free of holes in the side of the crankcase?
4. Is the compressor free of discoloration or rust to the head that would indicate over heating?
5. Is the compressor free of obvious damage to keyway or splines on the crankshaft?
6. Is the crankshaft free of breaks?
7. Is discharge port free of carbon build up?
8. Is the unloader port free of rust?



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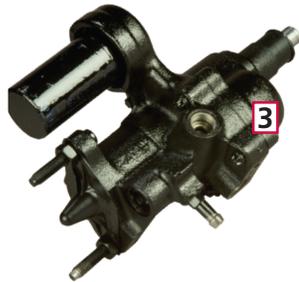
Step 2: Individual Product Warranty (cont'd)

If you answer **YES** to all of the below questions, proceed to Step 3.

If you answer **NO** to any of the below questions your product does not qualify for Warranty.

Remanufactured Hydroboost

Warranty Period - 1 year or 100,000 miles.



1. Was the hydroboost installed within 1 year or 100,000 miles?
2. Is the unit complete and not disassembled?
3. Is the housing free of cracks or breaks?

Remanufactured Master Cylinder

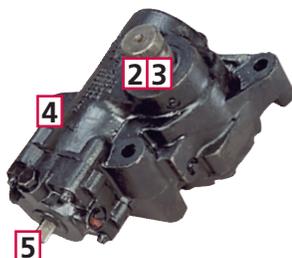
Warranty Period - 1 year or 100,000 miles.



1. Was the master cylinder installed within 1 year or 100,000 miles?
2. Are the housing and rod free of cracks or breaks?
3. Is the unit free of excessive corrosion?

Remanufactured Power Steering Gear

Warranty Period - 1 year or 100,000 miles.



1. Was the gear box installed within 1 year or 100,000 miles?
2. Are the sector shafts free of damage or wear?
3. Is the sector shaft (output shaft) free of signs of having the Pitman Arm welded to it?
4. Is the gear box free of damage to the mounting ears?
5. Is the input shaft moving freely and without excessive slack?

Step 2: Individual Product Warranty (cont'd)

If you answer **YES** to all of the below questions, proceed to Step 3.

If you answer **NO** to any of the below questions your product does not qualify for Warranty.

Remanufactured Power Steering Pump

Warranty Period - 1 year or 100,000 miles.



1. Was the pump installed within 1 year or 100,000 miles?
2. Is the shaft free of stripped threads or damage?
3. Are the ports free of being stripped or damaged?
4. Is the housing free of cracks or breaks?

Remanufactured Starter

Warranty Period - 1 year or 100,000 miles.



1. Was the starter installed within 1 year or 100,000 miles?
2. Is the product tag attached or with the product?
3. Is the starter drive gear free of damage to the teeth?
4. Are all terminal posts free of damage (stripped or missing)?
5. Is the starter free of customer abuse?
(Strike marks from a hammer.)

Remanufactured Vacuum Booster

Warranty Period - 1 year or 100,000 miles.



1. Was the vacuum booster installed within 1 year or 100,000 miles?
2. Is the vacuum booster complete? (No missing pieces.)
3. Is the slave cylinder free of breaks or cracks?

Step 2: Individual Product Warranty (cont'd)

If you answer **YES** to all of the below questions, proceed to Step 3.

If you answer **NO** to any of the below questions your product does not qualify for Warranty.

Remanufactured Valve

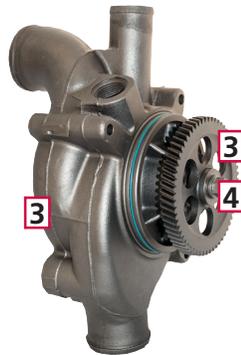
Warranty Period - 1 year or 100,000 miles.



1. Was the valve installed within 1 year or 100,000 miles?
2. Is the valve free of breaks in the flange body and cover?
3. Is the valve free from excessive dirt, wear or discoloration that may indicate the unit is out of warranty?
4. Are the ports free from cracks or stripped threads?
5. Is the valve free of contamination when looking in the ports?

Remanufactured Water Pump

Warranty Period - 1 year or 100,000 miles.



1. Was the water pump installed within 1 year or 100,000 miles?
2. Is the water pump free of cracks in casting or damaged threads?
3. Is the impeller or gear attached to the shaft?
4. Is the water pump pulley or gear free of lateral movement in the shaft?
5. When looking inside the port of the pump is it free of rust, indicating lack of anti-freeze?
6. Are there indications of contamination at the weep hole?





Step 3: Complete the Haldex AM Warranty Claim Form (L90005) online at haldex.com, available as electronic fill in the blank form or printable PDF

Where to Send

1. Submit claims within 90 days from date of warranty.

UNITED STATES CLAIMS
Haldex Brake Products Corp.
 10711 N.W. Airworld Drive
 Kansas City, MO 64153

CANADA CLAIMS
Haldex Limited/Haldex Limitée
 500 Pinebush Road, Unit 1
 Cambridge, ON N1T 0A5
 Canada

2. Product submitted must match information on the Haldex AM Warranty Claim Form (L90005).
3. The Haldex AM Warranty Claim Form (L90005) must be filled out completely. An incomplete warranty form may delay the warranty process. Review all forms for completeness before submission.

WARRANTY CLAIM FORM
 (L90005 Rev. 9/12)

Serial Number

The Haldex Warranty Claim Form (L90005) must be filled out completely. An incomplete warranty form may delay the warranty process. Review all forms for completeness before submission.

Date: _____ Account Number: _____ Distributor: _____ Address: _____ City/State/Zip: _____ Phone: _____ Contact Name: _____	Customer Return Number: _____ Store Number: _____ Shipping Charges: _____ Customer: _____ Address: _____ City/State/Zip: _____ Phone: _____ Contact Name: _____
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Part Number	Description	Quantity

IN CASE OF WARRANTY DENIAL PLEASE SELECT THE FOLLOWING ACTION (CHECK ONE)

OPTION 1 - Scrap Material
 OPTION 2 - Bank Cores
 OPTION 3 - Return Material FREIGHT COLLECT UPS ACCT NO.

Product more than five (5) years old based on manufacturer date code will not be considered for warranty except for Life Seal Actuators and Haldex Automatic Brake Adjusters used in line-haul / on-highway type applications. Date codes can be found on the ID tag attached to the product or stamped into the product and are in the following formats:

1. 208K	20 = Week Of The Year	8 = Last Digit Of Year	K = Plant
2. 302ABK	302 = Day Of The Year	A = Shift	8 = Last Digit Of Year
3. 30208	302 = Day Of The Year	08 = Year	K = Plant
4. 30208K	302 = Day Of The Year	A = Shift	08 = Year
5a. D3020826 (D=Distributor)	302 = Day Of The Year	08 = Year	26 = Rch
5b. C3020808 (C=CSM)	302 = Day Of The Year	08 = Year	26 = Rch

HALDEX IS NOT RESPONSIBLE FOR CLAIMS THAT ARE NOT RETURNED TO HALDEX WITHIN NINETY (90) DAYS FROM THE FAILURE DATE.

NATURE OF DEFECT: _____

THIS SECTION TO BE COMPLETED FOR ALL PRODUCTS

CHECK ONE:
 Replace Warranty Product
 Credit For Warranty Product

(Note: Credit for core (if eligibility exists) - Core to core bank (if no eligibility exists).

Vehicle Make/Model: _____	Date Installed and Mileage*: _____
Engine Make/Model: _____	Date Removed and Mileage: _____

* If installation date and mileage are not specified Haldex will refer to the manufacturer date code to ensure proper warranty allocation.

DO NOT WRITE BELOW THIS LINE

Freight Line _____	Disposition Code _____	Date Code _____
Product Line _____	Credit Memo # _____	Core Bank/Ref. No. _____
Service Inspection Department Report: _____	AIAG Code _____	

Warranty
 Policy Adjustment
 Other Adjustment
 No Credit

Yellow Copy - Customer
 White Copy - Return To Warranty Location With Product
 Pink Card - Attach To Product

www.haldex.com

L90005 US Rev. 9/12 (M)ALP

Sample of Haldex AM Warranty Claim Form (L90005).

Find the form online at haldex.com, available as an electronic fill in the blank form or printable PDF.

Please see REQUIRED INFORMATION section on following page.

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Pg 9



Complete the Haldex AM Warranty Claim Form

(L90005) online at haldex.com, available as
electronic fill in the blank form or printable PDF

Required Information

1. YOUR COMPANY INFORMATION (account number, company name, address, phone, contact)
2. YOUR CUSTOMER'S INFORMATION (name, address, phone, contact)
3. PART NUMBER BEING SUBMITTED FOR WARRANTY
4. PENDING DENIAL (scrap, bank core, return product)
5. DATE CODE OF THE PRODUCT BEING SUBMITTED FOR WARRANTY
6. NATURE OF DEFECT (detailed)
7. DO YOU WANT A REPLACEMENT OR CREDIT
8. VEHICLE INFORMATION (vehicle make, model; engine make, model)
9. DATE INSTALLED AND MILEAGE
10. DATE REMOVED AND MILEAGE

Innovative Vehicle Solutions

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