

# The Core Handbook



- The Program
- Core Grading Criteria
- Non-Bendix to Bendix Upgrades

# The Bendix Core Program Handbook



**Bendix Spicer  
Foundation Brake LLC**  
*A Bendix CVS and Dana Joint Venture*

Bendix (Bendix Commercial Vehicle Systems LLC and Bendix Spicer Foundation Brake LLC) is the leading manufacturer of original equipment air charging and control systems, active vehicle safety systems, and a full range of wheel-end solutions and components. In addition, Bendix offers a wide range of exchange assemblies.

Genuine Bendix® brand exchange air and hydraulic brake parts are the same high technology, high quality and superior performance parts supplied in their original equipment lines. These parts are made available to retail outlets through the service organizations of the original equipment manufacturers (OES) and through the network of Bendix-authorized independent aftermarket distribution channel partners (IAM).

**Disclaimer**

"Bendix" (together, Bendix Commercial Vehicle Systems LLC and Bendix Spicer Foundation Brake LLC) reserves the right to revise, supplement, or change the policies and procedures or other information contained in this Core handbook at any time.

Bendix customers ("you"/"your") Core Program responsibilities are shown in this document.

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## Key Changes And Updates In This Revision of The Core Handbook

Previously there were separate handbooks for the “Upfront” and “Delayed” Core Programs; this revision covers *both* programs. This handbook revision (BW1020ALL) replaces all previous revisions (BW1020 and BW1020A).

### Key Changes

The following Core Families have been added or expanded:

- Genuine Bendix® Compressors
- Electronics
- All Makes™ by Bendix CVS Compressors
- Air Disc Brakes

Also, brake shoe types 4709E and 4709E2 are now combined into a single Core Group “2X”. (*4709E was formerly in Core Group 2R.*)

**These Core Groups have been removed from the Core system and this handbook:**

- Group 2, Classes 7 & 28 – Fan clutches
- Group 4, Class 65 (only) – Bendix® AD-4™ cartridges
- Group 6, Class 67 (only) – Bendix AD-4 end covers
- Group 7, Class 54 – Bendix® ASA-5® Automatic Slack Adjusters
- Group 9, Class 11 (only) – Bendix AD-4 air dryers
- Group 11, Class 24 – Minimaster cylinder
- Group 27, Class 18 (only) – Bendix® DS-1™ double stop light switch valve
- Group 71, Class 3A – Bx brake dual circuit
- Group 72, Class 3D – Bx brake dual circuit

**New sections have been added to show how to grade electronics and air disc brakes.** (*See pages 24-26 for more details.*)

**We have changed the guidelines for packaging and shipping:**

- Electronic Cores are to be returned in their original boxes – using suitable materials (bubble-wrap, etc...) – to prevent damage. Electronic Cores may be carefully included as part of a pallet with other Cores, but need to be together in a separate container from the other Cores. Electronic Cores are the only type of Cores that need to be individually packaged.
- Hydraulic calipers **must no longer be returned in boxes.**
- Visit [bendixcorefreight.com](http://bendixcorefreight.com) for shipping instructions, or call our logistics company, toll-free at 877-681-1949. Representatives are available 24/7 to assist you and answer your shipping questions.

## Glossary

### Some Important Terms Used In This Handbook

<b><i>All Makes™ by Bendix CVS</i></b>	Compressor products originally manufactured by other suppliers.
<b><i>Banked Core</i></b>	The customer has returned more Cores than they have purchased within a certain Core Group. This results in a bank of Cores that can be applied to future purchases.
<b><i>Core</i></b>	Used component/product.
<b><i>Core Eligibility</i></b>	When a customer owes Bendix a Core within a certain Core Group.
<b><i>Core Class</i></b>	A group of similar products with the same Core value.
<b><i>Core Family</i></b>	Core Groups within the same product line. (See page 13.)
<b><i>Core Group</i></b>	A group of products used for tracking purposes/interchanges. The group may contain products with various or differing Core values.
<b><i>Core Return</i></b>	There are four forms used to document Core returns: <ol style="list-style-type: none"> <li>1. Air and Electronics;</li> <li>2. Hydraulics;</li> <li>3. Brake Shoes; and</li> <li>4. All Makes™/Truck Products™ by Bendix CVS.</li> </ol> (See Pages 33-36.)
<b><i>Core Return Acknowledgement</i></b>	The report detailing the Cores received by Bendix and the Core condition as processed at the Bendix Core facility.
<b><i>Core Report</i></b>	A monthly Core account statement. (See pages 37-38 for examples.)
<b><i>Truck Products™ by Bendix CVS</i></b>	Non-compressor products originally manufactured by other suppliers.

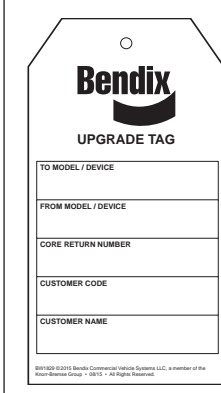
## Core Program Tools

There are some valuable tools to assist you in the identification, evaluation, and proper packaging of Cores:

- **BW1020ALL** This Bendix® Core Return Handbook - All Programs
- **BW1829** Upgrade Tag (shown right)
- **BW2218** Coreless Form

### Wall Charts

- **BW1299** Air Products
- **BW1659** Reman Hydraulic Core Classes
- **BW7547** ID Tool: Brake Shoe Cores Accepted by Bendix



The image shows a Bendix Upgrade Tag form. It features the Bendix logo at the top, followed by the text "UPGRADE TAG". Below this, there are five horizontal input fields labeled: "TO MODEL / DEVICE", "FROM MODEL / DEVICE", "CORE RETURN NUMBER", "CUSTOMER CODE", and "CUSTOMER NAME". At the bottom of the form, there is a small copyright notice: "©2015-2016 Bendix Commercial Vehicle Systems LLC, a member of the Veoneer Group. All Rights Reserved."

## How to Order Program Tools

Visit the Bendix Marketing Center on [bendix.com](http://bendix.com). Select the Literature Center and choose "Register" if you do not already have an account. Once you have completed your registration, please call 1-800-AIR-BRAKE (1-800-247-2725, option 5), to request an expedited upgrade to a customer account category. This upgrade ensures you will be able to view and order the above items. (Note: If you do not call Bendix for an expedited upgrade, the system-generated account upgrade may take up to five (5) business days to complete.) Telephone representatives are available to assist you Monday-Friday, 8 a.m. - 5 p.m. ET.

# Core Exchange Program Overview

## GENERAL

The purchase of Bendix exchange products is based on the arrangement that for each product purchased, a used component (or "Core") is to be returned to Bendix. The Core returned must be within the same "Core Group", with only the few exceptions explained in this section.

### The Two Programs

Bendix has two (2) Core programs: "Upfront" and "Delayed."

	Upfront Program	Delayed Program
Am I billed the cost of the Core at time of purchase?	Yes – there is a twelve-month window to return the Core	No – there is a six-month window to return the Core
Am I billed the exchange cost for the product (excluding the Core) at the time of the order?	Yes – both programs	
Where do I track Core account status and view monthly statements?	On-line at bendix.biz	
Program Examples:	Any products purchased during June will have a Core due back to Bendix by the June cut-off date* the following year	Any products purchased during June will have a Core due back to Bendix by the December cut-off date* the same year
How do the programs credit my Core account?	Upon return, the Core is credited to your Core account and an Accounts Receivable Credit is issued, based on eligibility	Upon return, the Core is credited to your Core account
What happens if I do not return a Core within the Core window?	You lose the right to return the Core for credit	You are billed for Cores not returned within the window
	Once the Core eligibility has expired, it will not be added back	The Core debit is not reversible Payment of the Core debit is subject to the same terms of payment as any other invoice
What if I return a Core where there is no eligibility?	Banked Cores can be used against future purchases within the banked Core Group	
	Banked Cores will expire after two years	
What are the rules that cover shipping, Core handling, and grading?	The same for both programs - see the relevant sections in this document	

\* Cut-off dates: Core shipments must be picked up *by the Bendix-preferred carrier* on or before the 15<sup>th</sup> of the month to be processed and included in that month's Core Report. Core returns shipped after the 15<sup>th</sup> of the month will be included in the following month's Core Report. If the 15<sup>th</sup> falls on a weekend or holiday, the Core must be shipped on the next working day to be included in the current month's report.



# Program Overview

## Reman Purchases

When an exchange order is shipped from the plant, the Core allowance for each product will be debited to your Core account.

## Core Groups

For easy identification and processing, all exchange products are categorized by specific Core Groups.

*See the small, double-sided chart inserted into this handbook, or order any of the full-size wallcharts listed here:*

- *Air and Electronic (BW1299)*
- *Hydraulic (BW1659), and*
- *ID Tool: Brake Shoe Cores Accepted by Bendix (BW7547)*

In the event Core Groups are changed by Bendix, you will be notified.

Cores may only be returned for credit within their own Core Group. For example, a Bendix® AD-9® air dryer cartridge – a Core Group 4 product – can only be applied against other products in Core Group 4. It cannot be applied against, for example, a Bendix® AD-2® end cover (a component within Core Group 6.)

## Core Returns

As products in the Core program are purchased, you must return the Cores to Bendix within the applicable Core window. When received and processed, the Core allowance credit for each product will be applied to your Core account – against the oldest outstanding Core debit in that Core Group.

Your Core account has no independent value other than as a potential credit against a future product purchase from Bendix. At no time, and under no circumstances, shall Bendix be required to issue any cash payment to you with respect to a Core account. This includes circumstances such as the termination of the Bendix Core program – or termination of your business relationship with Bendix – no matter if you have a positive or negative Core account balance. A Core account is not a security deposit, nor other type of customer asset. Bendix reserves the right, at all times, to offset your Core Bank value against any accounts receivable for your business.

## Forms to Use When Returning Cores

Exchange Cores must be returned with the appropriate form:

Core Return (CR) form	
Air & Electronic Products	BW693
Hydraulics Products	BW693H
All Makes™ and Truck Products™ by Bendix CVS	BW1744
Brake Shoes	BW2313

You must complete the pre-numbered Core Return form and place one copy inside – and one on the outside – of the shipment packaging. Packing slips should be securely attached to the exterior of your shipment with the name, address & your customer number visible on the outside of the box(es)/pallet(s).

To complete the Core Return form it is necessary to be familiar with the Core grading criteria (see *pages 15-26 of this Handbook for definitions of missing and damaged parts*). Be sure to show the number of products returned for each Core Group and – by using the columns on the form – separate the totals by the condition (e.g. how many are one part damaged, two parts damaged, etc...).

The Core Return forms listed above can be ordered by the “BW” Part Number(s) referenced above, by going to the Literature Center section of the Marketing Center at [bendix.com](http://bendix.com). Additional copies of this *Core Handbook* can be ordered as Part Number BW1020ALL.

Upon receipt, Bendix will count and inspect the Cores for missing and/or damaged parts. (See *pages 15-26*).

Bendix will send a Core Return Acknowledgement to the email address on file, stating the quantity and dollar amount credited for the Cores processed. **The determination made by Bendix in its sole discretion regarding the condition of all Core returns IS FINAL.**

## On-line Monthly Reports

It is necessary to register at [bendix.biz](http://bendix.biz) to receive a login and password for access to your Core Reports.

Using your [bendix.biz](http://bendix.biz) login and password, you can view your monthly invoices, returns and Core allowance records. Bendix also publishes a monthly online Core Report. The report shows the account status, activity and the amount of time remaining to return Cores in each Core Group.

## Shipment Dates

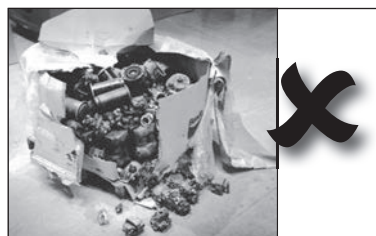
Cut-off dates: Core shipments must be picked up by the Bendix-preferred carrier on or before the 15th of the month to be processed and included in that month's Core Report. Core returns shipped after the 15th of the month will be included in the following month's Core Report. If the 15th falls on a weekend or holiday, the Core must be shipped on the next working day to be included in the current month's report.

## Shipping and Packaging

Carefully pack all Cores with adequate protection to avoid damage in transit.



*Good packaging helps maintain the Core's value.*



*Inadequate packaging can cause you significant financial losses.*

<b>Brake Shoes</b>	<b>Brake shoes must not</b> be returned in boxes of any kind. Treat them as individual shoes (not pairs, or kits). Because they will be processed at different location(s) from the other items, pack them separately from other Cores and items being returned for warranty.	<b>Brake Shoes must not be boxed!</b>
<b>Electronic Components</b>	Only Electronic Cores are to be returned in their original boxes – using suitable packing materials (bubble-wrap, etc...) – to prevent damage. Electronic Cores – in a separate container from other Cores – may be carefully included as part of a pallet with other Cores.	<b>Package individually</b>
<b>Hydraulic Brake Calipers</b>	This product must not be returned in boxes.	<b>Must not be individually boxed!</b>
<b>All Other Cores</b>	Group together, if possible, with other Cores in the same Core Group, but do not use individual boxes.	<b>Package grouped with other similar Cores</b>

<b>Warranty Claims</b>	<b>Core Freight Policy</b>
Warranty claims can be shipped with Core returns. They must be packaged separately and clearly marked "WARRANTY MATERIAL" when returned with cores. Failure to clearly identify warranty material will result in core credit only and NO warranty credit.	Core returns must be sent using the Bendix third party logistics process, using a Bendix bill of lading. Go to <a href="http://www.bendixcorefreight.com">www.bendixcorefreight.com</a> or call 1-877-681-1949, representatives are available 24/7 to assist.  Bendix pays the freight for one core shipment per month that is over 500 lbs. for non-brake shoe cores, or 100 brake shoes contingent on the use of our core freight process. Shipments less than 500 lbs. of non-brake shoe cores, or 100 brake shoes must be shipped prepaid.  Brake shoe customers that wish to make more than one return per month must ship a minimum of 500 brake shoes per shipment.  Pallets should be kept under 2,000 lbs., and less than 48" tall. If there are discrepancies on the weight, or if the wrong carrier or destinations are used, Bendix reserves the right to bill the excess freight charges back to the customer.
<b>Tag and pack warranty items separately from Core returns</b>	<b>Go to <a href="http://bendixcorefreight.com">bendixcorefreight.com</a></b>

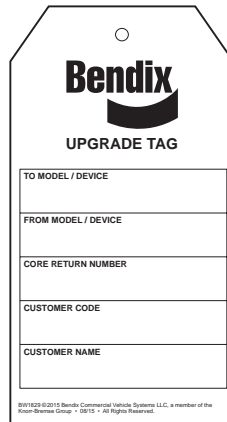
## Core Window Extension

New store or branch locations are eligible for an additional 90-day Core window on their initial stocking order. Contact your Bendix Account Manager to request this additional window for your order.

## Core Upgrades

Bendix will allow upgrades on select models within the Bendix® product line. In certain cases Bendix will allow select non-Bendix Cores to be returned to offset Bendix Core obligations.

In order to ensure that you receive credit for Core upgrades, individually tag items using the orange upgrade tag, BW1829. Upgrade credit will only be given for upgrade material received with a completed, legible tag.



The image shows a Bendix Upgrade Tag form. It is a white tag with a black border and a hole punch at the top. The Bendix logo is at the top, followed by the text "UPGRADE TAG". Below this are five horizontal lines for text entry, labeled "TO MODEL / DEVICE", "FROM MODEL / DEVICE", "CORE RETURN NUMBER", "CUSTOMER CODE", and "CUSTOMER NAME". At the bottom, there is a small line of text: "BW1829 ©2015 Bendix Commercial Vehicle Systems LLC, a member of the Knorr-Bremse Group • 08/15 • All Rights Reserved."

**Order tags from the Bendix Marketing Center on [bendix.com](http://bendix.com).  
See Page 6 for ordering instructions.**

This program is intended for valid upgrades and is subject to audit by Bendix at any time. Upgrades are limited to 10% of the previous year's net Reman unit purchases of the upgraded product.

**Disclaimer:** Bendix has the sole right to determine what Cores are acceptable as upgrades.

Acceptable upgrades of non-Bendix Cores are identified in the pictorial examples under the section titled "Upgrade" Program, (see pages 27-32), and also on Core Return form BW693. Only these Cores will be accepted for an upgrade Core credit.

For those found in violation of the rules defining this program, or who exceed their 10% maximum upgrade – or non-Bendix Core return limit on any particular product – Bendix reserves the right to:

- Return the Cores, freight collect; or
- Give a reduced value for the Cores in violation of the program, as solely determined by Bendix.

## Excess Inventory

If your business has excess Core inventory/materials not currently in the Core program, contact your Bendix Account Manager to inquire if Bendix is seeking Cores for purchase.

You may also email [cores@bendix.com](mailto:cores@bendix.com) with the part numbers, quantities, and your contact information.

## Exchange Buy-Back Program

Bendix will allow Reman buy-back Core credits that create, or add to, an excess Core Bank to be moved to other more active groups – within like Core families at full Core value – immediately upon request. This gives you the opportunity to reduce excess Core Bank credits on products/products that you may no longer be selling/purchasing.

The rules for Core Group transfers – such as the 1% net Reman purchase restriction, and the minimum one-year excess rule – will not apply to these Reman buy-back credits; however, rules covering abandonment will be in effect.

*The products must be in saleable condition – and the restriction of an equal, offsetting order along with a 15% penalty on the product credit – still applies.* There will not be a penalty on the Core credit.

The Core Report will indicate which credits are the result of Reman buy-backs.

To initiate a transfer request, please contact the Core Department by email ([cores@bendix.com](mailto:cores@bendix.com)) or call 440-329-9298, Monday-Friday from 8 a.m. to 5 p.m.

## Obsolescence

Bendix offers several alternatives to settle Core Banks for obsolete products and Core Groups. When a product becomes obsolete – and the Group the product was in remains active – the values associated with the product remain within the Group and are not transferable. If the product and the Group become obsolete, the value of the group bank may be transferred to any other like active Group.

Accounts operating under the Bendix Upfront program will have twelve (12) months from the date of obsolescence to settle outstanding Core obligations. You may return the obsolete Cores or any other active product within the group, to settle this obligation. In the event an obsolescence Core balance becomes due and there has been no return in the Core window, Bendix will retire the Core, and you will lose the right to return a Core for credit.

## Rule of Abandonment

Core Banks that have aged a total of two (2) years with no activity will be considered abandoned. These transactions will expire and are eliminated from the Core reporting system, and no credits shall be due and owing to you thereafter.

## Transfer of Ownership

Core accounts can be transferred **ONLY** when ownership of an active business entity, set up as a Bendix customer, transfers ownership. Core ownership between different OES affiliations are **NOT** eligible for transfers. The previous ownership must be in good account standing with Bendix.

## Termination

If, for any reason, a program termination occurs between Bendix and you, Bendix offers the following options:

- a. If your account has a positive balance, (*e.g. more Cores have been purchased than returned*), you are permitted to return Cores within the Core Group to meet the Core requirement. In the event that the Core becomes due – and there has been no return – the opportunity to return the Core will expire. In this case, if you are a participant in the Delayed Program, you will be debited; If you are a participant in the Upfront Program, you will lose your opportunity to return a Core for credit.
- b. If your account shows that you have banked Cores (*more Cores have been returned than purchased*), Bendix, at its sole discretion, will either:
  - Accept your order for exchange product up to the dollar amount of the remaining Core allowance; or
  - Issue a credit based on the market value of the excess Cores (*as determined by Bendix at its sole discretion*) – up to, but not exceeding the outstanding accounts receivable balance. No payment or refund will be made for excess Core amounts. Credits against accounts receivable will first apply to the oldest open invoices within a Core Group.

The above options must be exercised within 60 days of receipt of the cancellation notice being presented to Bendix – or the Cores become the property of Bendix.

## Core Group Transfers

At Bendix's sole discretion, excess Core Bank amounts may be transferred to other Core Groups.

The following conditions must be met for the transfers to be made:

- a. Balances to be transferred must have been in the Core Bank for at least one (1) year; *and*
- b. The annual cumulative transfer amount may not exceed one percent (1%) of your previous year's net exchange product purchases. (For example, if you purchased \$100,000 in net exchange Bendix® products, the amount that can be transferred is \$1,000); *and*
- c. The transfer must be within a Core Family (e.g. from one compressor Core Group to another compressor Core Group) – *see below*; *and*
- d. Balances cannot be transferred between All Makes™ Products and other genuine Bendix® groups. All Makes by Bendix CVS and Truck Products™ can only be transferred to other All Makes Products Core Groups. Balances on Bendix Standard Air and Hydraulics Core Groups can only be transferred to like Core Groups within Standard Air and Hydraulics Core Groups.

Credit or return transactions are available to offset future purchases. However, in the event the transaction is not offset by a purchase – or transferred to another group – ***within 24 months of the original transaction date***, the transaction is considered abandoned. These transactions will be removed from the Core Reporting System.

Transfers or offset purchases will be applied to transactions with the earliest expiration date. That means if you have a transaction that is set to expire in 24 months, plus another transaction that is set to expire in eight (8) months, any transfers or appropriate offset purchases will be applied first to the transaction set to expire in eight (8) months.

**To initiate a transfer request, please contact the Core Department by email ([cores@bendix.com](mailto:cores@bendix.com)) or call 440-329-9298. Representatives are available to assist you from Monday to Friday, 8 a.m. to 5 p.m. ET.**



**Core Families Eligible For Transfers***(See the previous page for more information.)*

<b>Compressor Groups:</b>	01, 1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1P, 1S, 1T, 1U, 1V, 1W, 1X, 1Y, 12, 13 and 14
<b>Valve Groups:</b>	03, 16, 17, 25, 27, 28, 31, 32, 33, 34, 35, 36, 37, 70, and 73
<b>Air Dryer Groups:</b>	04, 06, 09, 9A, 9B, 9C, 9D and 26
<b>Hydraulic Caliper Groups:</b>	3A, 3B, 3C, 3D, 3E, 3J, 3K, 3L, 3M, 3N, 3P, 3Q, 3R, 3S, 3T, 3U, 3V, 3W, 3X, 6E, 19, 20, 21, 22, 23, 24, 52, 53, 54, 55, 56, 57, 58, 62, 63, 64, 65, 66, 67 and 69
<b>Hydrovac Booster Groups:</b>	40, 41, 42, 43, 44, 45, 46 and 47
<b>Brake Shoes:</b>	2P, 2Q, 2R, 2S, 2T, 2W and 2X
<b>Electronics:</b>	SA, SC, SD, SE, SF, SG, SH, SK, SM, SN, SV, SW and SX
<b>All Makes™ by Bendix CVS Products:</b>	One compressor group to another compressor group
<b>Truck Products™ by Bendix CVS Products:</b>	One valve group to another valve group

**Core Families NOT Eligible For Transfers**

05 (Governors), 10 (Hydromax Booster), 38 (Bendix® SR-5™ Trailer Spring Brake Valve Upgrade kit), and 90 (Bendix® ADB22X™ Air Disc Brakes).

## NOTES

[illegible]

## Grading Criteria

The exchange value of the returned Core will be determined by the physical condition of the Core at the time of processing.

### Some general guidelines:

- a. Grade your Cores and note the grade of each on the Core Return form(s). Upon receipt at our inspection facility, Bendix will also review the condition of the Cores. **Bendix reserves the right, at its sole discretion, to reject Cores that do not meet its Core grading criteria; the results of the Bendix review will be final.** No material will be held in inventory for further review. *Note: Improperly packaged Core returns may result in damaged or missing Cores, and/or delayed processing.*
- b. Upgrade Cores returned are subject to the applicable Core allowance.
- c. Bendix does not accept disassembled Cores.
- d. Evidence of tampering or modification will result in an automatic scrap assessment.
- e. Remove all fittings, hoses, etc. If present, they may be assessed “one part damage” by Bendix at its sole discretion.
- f. Some surface rust is permissible, but if the visual inspection finds that the condition is poor, damage will be assessed by Bendix as a “one part damage” or more, at its sole discretion.
- g. Cores removed by being cut (or “torched”) may not be accepted for Core value.
- h. All assembly parts made of plastic are replaced during remanufacturing and not considered as damage for Core grading purposes.
- i. You may use a wire brush when needed, in order to verify if a genuine Bendix® brand indicator is present.

*For more detailed descriptions of the Core grading criteria, see the following pages:*

Compressors . . . . .	16-17
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## Core Grading Guidelines for Compressors

Rating	GOOD	Damage?			Knock-off? Not in All Makes™ List?
		One Part	Two Parts	Three, or more, parts	
Action	Return	Return	Return	SCRAP	SCRAP

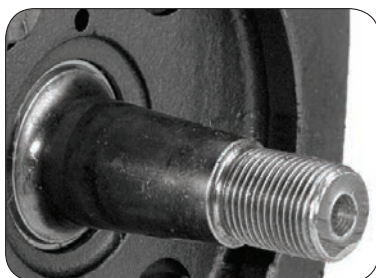
## Examples of One Part Damage



(Bendix® Tu-Flo® 550 Compressor with DDC®-style Flange-Mount shown)

**Crankshaft:**

- Is there damage to the threaded end of the crankshaft? (The end must not be “mushroomed”, but the first three threads do not need to be in perfect condition.)



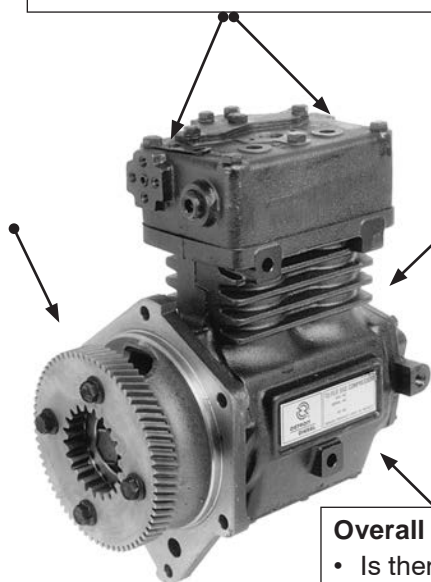
- Is there evidence of over-torque or evidence of a sheared end of the crankshaft?
- Are the spline(s) damaged?
- Is the compressor crankshaft not capable of making 360 degree rotation?

**Head:**

- Does the head show evidence of damage or high heat?
- Is the governor mounting pad broken?
- Are there broken bolts?
- Are any of the port threads damaged? (The first three threads do not have to be in perfect condition.)

**Crankcase:**

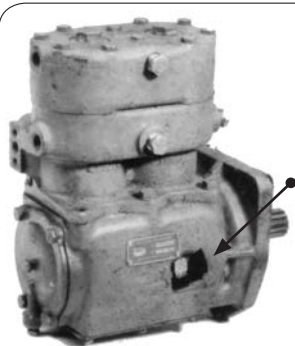
- Are there broken cooling fins?
- Is the mounting flange damaged?
- Is the crankcase damaged or repaired?

**Overall inspection:**

- Is there excessive damage, wear, rust, or corrosion?
- Check that all hoses and fixtures have been removed.

- Have the mounting holes been modified?

## Add Up the Total Damage Found



A crankcase with a hole counts as two parts damaged

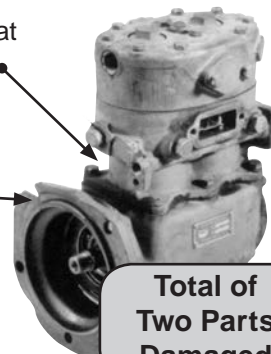


Bendix® Tu-Flo® 700 Compressor shown

Cylinder block damaged at governor mounting pad

PLUS

Crankcase damaged at mounting flange



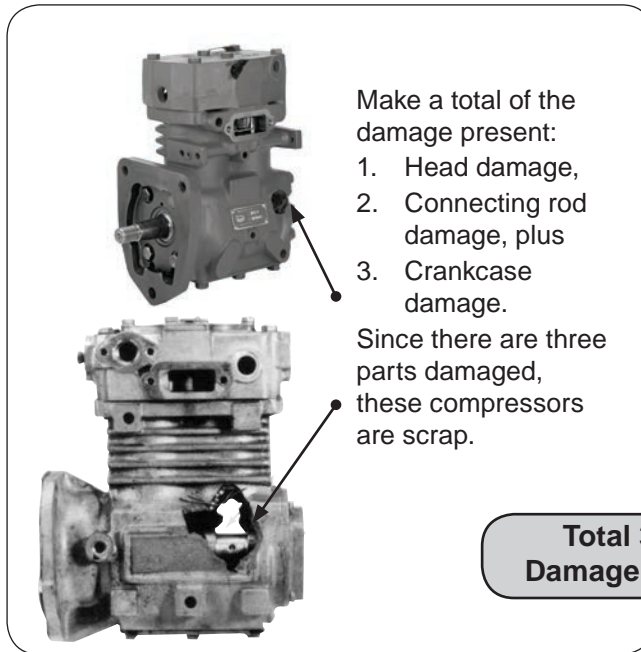
**Total of Two Parts Damaged**

► Bendix will make the final determination at its sole discretion. If in doubt, return the part for consideration.

## Examples of Automatic Scrap

Any of the following count as scrap:

- Co-mingled parts (cylinder head & crankcase base are from different compressor models)
- Non-genuine Bendix® brand compressors; obsolete or a compressor that is from other suppliers that is not on the accepted All Makes™ list
- If more than two parts are damaged or missing: e.g. a hole in crankcase counts as two parts damage *AND* a damaged head, make a total of three parts damaged



CORE GROUP  
**1**

CORE CLASS  
**14**

Bendix® Tu-Flo® 501  
Compressor with CAT®-  
style Flange Mount shown

**Total 3 Parts  
Damage = SCRAP**

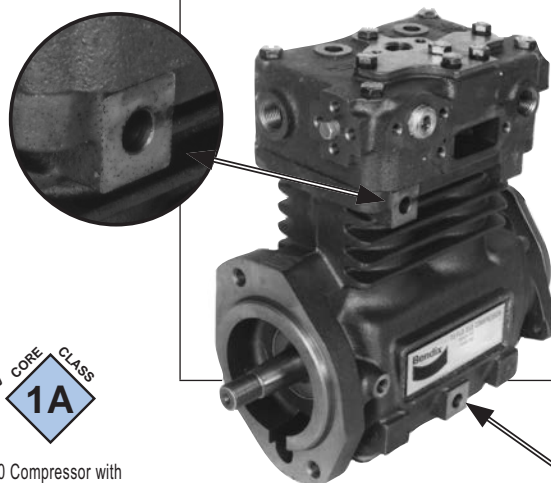
CORE GROUP  
**1C**

CORE CLASS  
**2C**

Bendix® Tu-Flo® 750 Compressor with DDC®-style Flange Mount shown

## Example of Genuine Bendix® Brand

What to Look for



On the label side of single-block compressors, there should be two (2) "datum holes". The location varies by compressor type.

***Absence of datum holes indicates a non-genuine Bendix compressor.***

CORE GROUP  
**1A**

CORE CLASS  
**1A**

Bendix® Tu-Flo® 550 Compressor with  
CAT®-style Flange Mount shown

► Bendix will make the final determination at its sole discretion. If in doubt, return the part for consideration.

Core Grading Guidelines for Valves				
Rating	GOOD	Damage?		Knock-off? Not in All Makes List?
		One Part	Two, or more, parts	
Action	Return	Return	SCRAP	SCRAP

### Examples of One Part Damage

Is the thread damaged at any of the connecting ports?

Is the body or cover broken?

Are there broken bolts (flush or below body)?

Exception: All plastic components are replaced during the Reman process and are not considered for Core grading.

Are there cracked ports?

Are there broken or damaged flange mounts?

Are there missing internal components (e.g. piston), or external components (e.g. end covers, exhaust covers)?

Inspect for any external damage, wear, rust, or corrosion.

**17** CORE GROUP **43** CORE CLASS  
Bendix® QR-1® Quick Release Valve shown

**31** CORE GROUP **31** CORE CLASS  
Bendix® E-6® Brake Valve shown

### Examples of Automatic Scrap

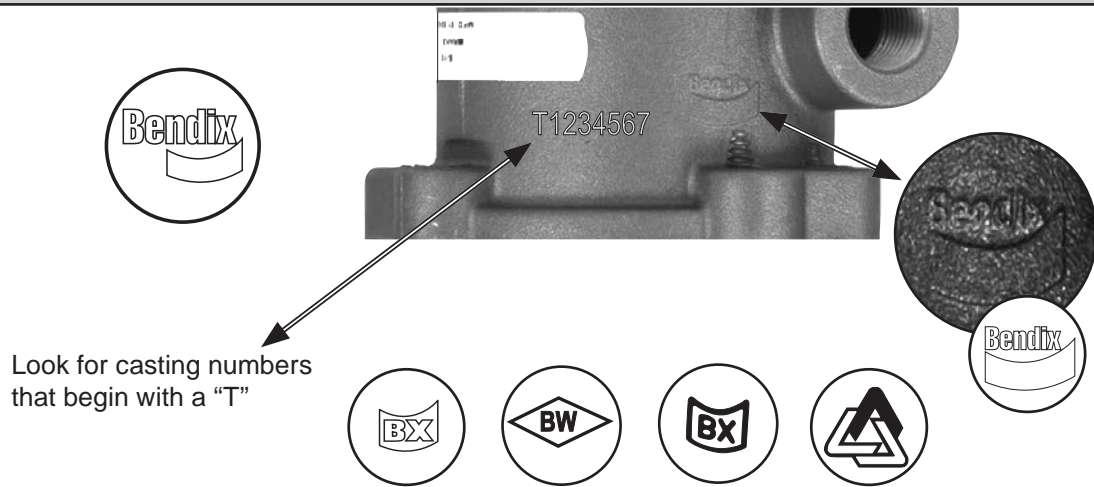
- Non-genuine Bendix® brand valves; obsolete valves; or valves from other suppliers not on the accepted Truck Products™ list; or
- If more than one part damaged or missing; or
- Excessive wear (e.g. rust, corrosion, etc.) that would prevent the part from being remanufactured



► Bendix will make the final determination at its sole discretion. If in doubt, return the part for consideration.

## Example of Genuine Bendix® Brand Indicators

What to look for



For Bendix® PR-4™ valves, check for a snap ring at bottom exhaust.  
Look for "PR-2" stamped on side of Bendix® PR-2™ valves.

► Bendix will make the final determination at its sole discretion. If in doubt, return the part for consideration.

## Core Grading Guidelines for Air Dryers

Rating	GOOD	Damage			Knock-off? Not in All Makes List?
		One part	Two parts	Three, or more, parts	
Action	Return	Return	Return	SCRAP/UPGRADE? See Page 32	
				In some cases you may be able to avoid loss of Core credit value due to scrap, see page 32 for upgrade options.	

## Examples of One Part Damage

**Exception:**  
Non-Genuine Bendix cartridge on a Bendix® AD-IS® air dryer will not incur one part damage

Is the purge valve missing, non-genuine Bendix, or damaged? See also next page for purge valves (separate)

Is the anti-rotation tab present on Bendix® AD-IP® air dryers?

Is there a non-Bendix governor on a Bendix AD-IS air dryer?

Are the threads damaged at any of the connecting ports?

Is the cartridge missing?

Is the canister dented or damaged?

Is there external damage?

Is there excessive rust/corrosion?

For Bendix® AD-2® air dryers: Is there excessive corrosion where the end cover meets the canister? (Final determination will be made by Bendix.)

A broken heater connector is acceptable

Does the end cover casting have cracks, damage, or show excessive corrosion?

**Core Group 9C, Core Class 9C**  
Bendix® AD-IS® Air Dryer shown

**Core Group 9, Core Class 29**  
Bendix® AD-9® Air Dryer shown

**Core Group 9A, Core Class 79**  
Bendix® AD-IP® Air Dryer shown

## Examples of Automatic Scrap

Any of the following count as scrap:

- Non-genuine Bendix® brand air dryers; obsolete or air dryers from other suppliers without an upgrade tag.
- Co-mingled parts – the end cover and the air dryer canister must be Bendix® brand (exception: Bendix AD-IS dryers).

## Example of Genuine Bendix® Brand Indicators

What to look for



End covers must have the Bendix® brand logo.



Where applicable, look for the Bendix® PuraGuard® cover or cartridge medallion.

Also see the keeper ring example on the next page.



## Grading Criteria: Air Dryer Purge Valves

Core Handbook

Core Grading Guidelines for Air Dryer Purge Valves			
Rating	GOOD	Damage: One or more parts	Knock-off?
Action	Return	SCRAP	SCRAP

### Examples of Scrap

Is the piston or other internal component(s) missing?

Exception: A broken heater connector is acceptable.



**CORE GROUP 6**  
**CORE CLASS 68**  
Bendix® AD-9® Air Dryer Purge Valve shown

Non-genuine Bendix® brand purge valves; obsolete valves are scrap.



Look for the Bendix® brand logo

## Grading Criteria: Air Dryer Cartridges

Core Handbook

	Core Grading Guidelines for Air Dryer Cartridges			
Rating	GOOD	One part damaged?	Two, or more, parts damaged?	Knock-off?
Action	Return	Return	SCRAP/UPGRADE? See Page 32	
			In some cases you may be able to avoid loss of Core credit value due to scrap, see page 32 for upgrade options.	

### Examples of One Part Damage

- Is the desiccant missing?
- Is there a missing end cover to the cartridge?
- Is the flange broken?

Inspect for any external damage, excessive rust, or corrosion.

**CORE GROUP 9B**  
**CORE CLASS 96**  
Bendix® AD-IP® Air Dryer Cartridge shown



Is the cartridge dented or has corrosion?

Bendix® AD-2® air dryer cartridges must have a minimum of three (3) threads left above the cover to receive good Core credit.

Are the threads stripped? For Bendix® AD-9® cartridges, is the bolt at the bottom loose?



Bendix AD-9 air dryer cartridge

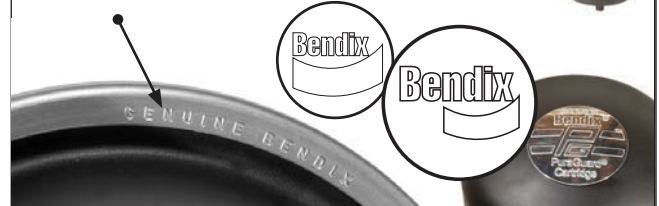
**CORE GROUP 4**  
**CORE CLASS 66**

### Example of Genuine Bendix® Brand Indicators

What to look for

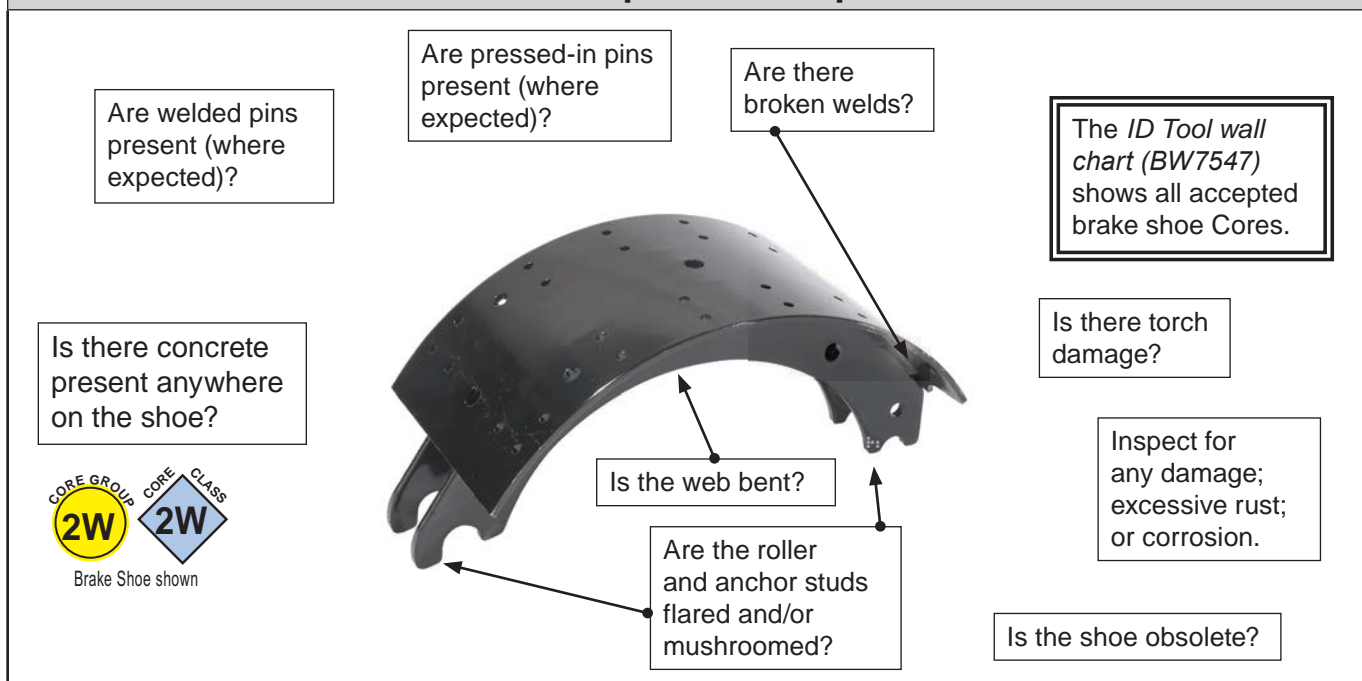
Bendix AD-9 air dryer cartridges have a bolt in the bottom, and the can has four (4) drain holes. All other configurations are not Bendix® brand.

Bendix® AD-9 and AD-IP® air dryer cartridges must have the "Genuine Bendix" inscription on the keeper ring.



Core Grading Guidelines for Brake Shoes		
Rating	GOOD	One, or more, parts are damaged?
Action	Return	SCRAP

### Examples of Scrap



### Brake Shoe Packaging and Shipping

For shipping instructions visit  
[bendixcorefreight.com](http://bendixcorefreight.com)

**Do not return Brake Shoes in boxes of any kind.**

#### Pallets

- The Bendix-recommended pallet size is 40" x 48".
- Do not ship oversized pallets, they often break in transit.
- Only use pallets in good condition made of dense hardwood that are able to safely support the weight of the shipment.

#### Corrugated Cardboard

- Pallets should have a layer of corrugated cardboard placed on the deck before the shoes are loaded.

#### Stacking the Shoes

- Do not return shoes in boxes of any kind.
- Do not stack more than one hundred (100) shoes per (40" x 48") pallet.
- Use at least two bands per side (length/width).

#### Cover the Shoes

- Pallets should have at least one layer of corrugated cardboard placed on the top of the pallet BEFORE the stretch film and banding is applied.
- Do not use plywood or pallets on top.

#### Stretch Film Wrap

- Attach one copy of the Core Return (CR) form under the stretch film, and a second copy on the outside.
- The stretch film must be secured to the pallet.
- Use at least eight turns of stretch film.

#### Banding

- After the stretch film, all pallets should have at least four bands to secure the product to the skid.

#### Shipper information

- Each piece of freight should be clearly marked with the shipper address, consignee address, and pro number. The second CR should be placed on the outside.

► Bendix will make the final determination at its sole discretion. If in doubt, return the part for consideration.

Core Grading Guidelines for Hydraulic Brake Calipers				
Rating	GOOD	Are Pistons Missing?	Bleeder Screw Area Is the casting around the bleed screw broken/damaged?	One – or more – other parts are damaged?
Action	Return	Return	SCRAP	SCRAP

### Examples of Scrap (See bleeder screw exception)



Inspect the bleeder screw.

Are the threads in good condition?

Return

Are the threads damaged/stripped?

Return

Scrap if the casting around the bleed screw is broken/damaged

We replace all pistons, but if the piston bore is damaged, the caliper is scrap.

Scrap if the casting is damaged or cracked.

Scrap if there is excessive contact wear inside, caused by the rotor.



Inspect for any external damage.

Scrap if there is contact wear on the outside of the rim.



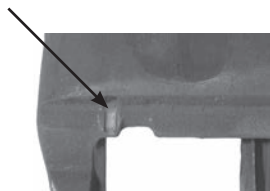
Damaged or cracked casting



Excessive rust



Excessive pad abutment wear



Excessive rim or rotor contact wear



Brazed (welded) rail



► Bendix will make the final determination at its sole discretion. If in doubt, return the part for consideration.



## Core Grading Guidelines for Bendix® FLR20™ Forward Looking Radar

Rating	GOOD	Damaged?	Knock-off?
		One, or more, parts	
Action	Return	SCRAP	SCRAP

## Examples of Scrap

## Acceptable Conditions:

- If the small mirror is cracked or missing
- If only minor surface scratches, gouges and scuffs are found
- If the bracket is still attached

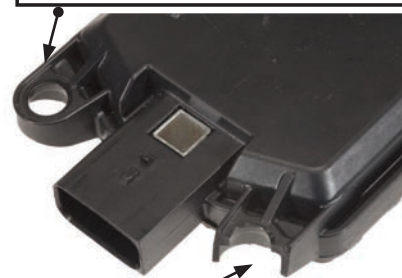
Examine the connector terminals (pins). See below



CORE GROUP SH CORE CLASS F7 OR F8  
Bendix® FLR20 Radar Assembly shown

## Acceptable Condition:

- If the lug is dented/wear damaged (but not broken)

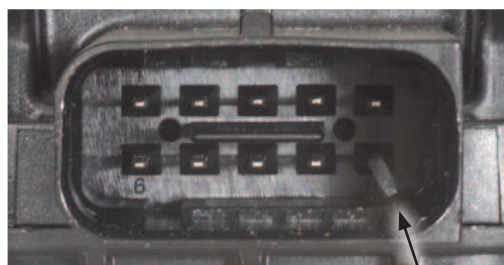
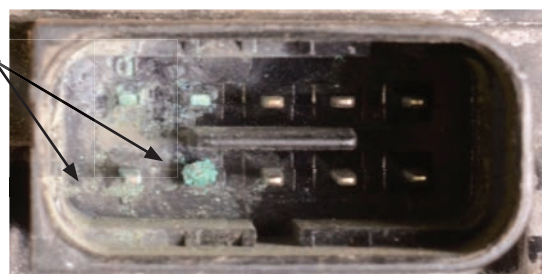


If any of the mounting tabs are broken or missing, count as scrap

Part has major physical damage, such as:

- Cracked-open housing (visually check that the housing seams around the sides are sealed)
- Broken, missing or separated mounting tab
- Connector damaged
- Connector terminals missing, damaged, bent or corroded
- More than one part is damaged

Corroded terminals and/or evidence of contamination in connector cavity



Bent terminal



Cracked/broken housings. Look for evidence of water intrusion, or a rattling noise when the unit is gently shaken

► Bendix will make the final determination at its sole discretion. If in doubt, return the part for consideration.

### Core Grading Guidelines for All Other Electronics

Rating	GOOD	Damaged?			Knock-off?
		One part	Two parts	Three, or more, parts	
Action	Return	Return	Return	<b>SCRAP</b>	<b>SCRAP</b>

### Examples of One Part Damage

Only one of the lens cover tabs may be bent or missing



Bendix® FLR10™ Radar Assembly shown

Does a mounting tab have a sheared-off screw present or the threads stripped?

Is there a hairline crack/fracture to the mounting tab (with no material missing)?

Only one of the electrical connector lock-tab barbs may be damaged or broken

Exception:

- Minor surface scratches and scuffs are acceptable

Is there external damage, wear, rust or corrosion on external metal components. (Connector pins may not have any corrosion.)



Bendix® EC-80™ ATC ECU shown

### Examples of Automatic Scrap

If the part has major physical damage, such as:

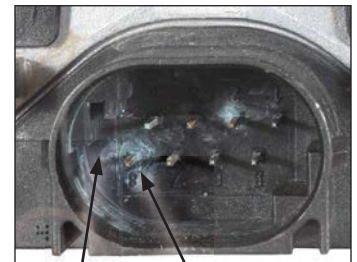
- A cracked lens
- A damaged connector (includes if any of the terminals are missing, damaged, bent or corroded)
- A mounting tab is not present (sheared off)
- If the total number of parts damaged is two or more



Cracked lens



Bendix® FLR10 Radar Assembly shown



Corroded Terminals

Look for evidence of contamination

► Bendix will make the final determination at its sole discretion. If in doubt, return the part for consideration.

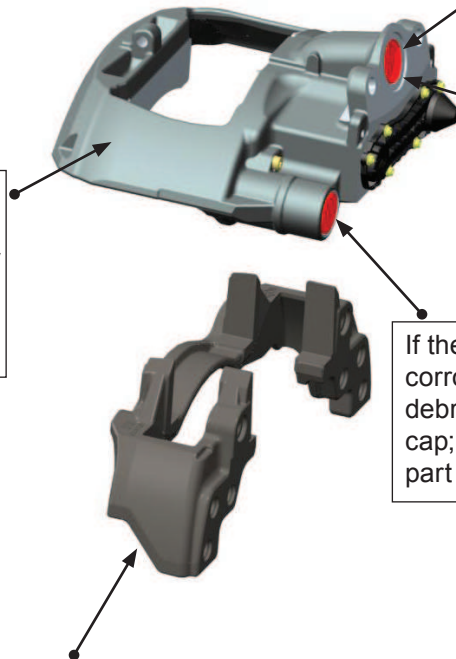
**Core Grading Guidelines for Bendix® ADB22X™ Calipers/Carriers**

Rating	GOOD	Damaged?			Non-Bendix?
		One part	Two parts	Three, or more, parts	
Action	Return	Return	Return	SCRAP	SCRAP

**Examples of One Part Damage**

CORE CLASS	
Vertical Carrier	J2
Axial DB Carrier	J3
Axial SB Carrier	J4

If the caliper has dents, dings, gouges or impact marks greater in diameter than a pencil eraser (approx. 6 mm) counts as one part damage.



With the pads removed, use a screwdriver to depress the lever. The lever should rotate freely. A broken, fractured, or seized lever counts as one part damage.

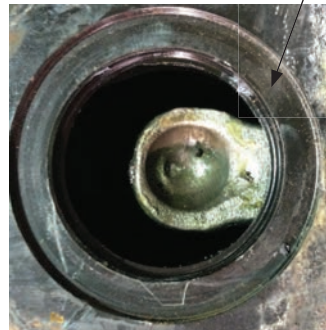
or

If the chamber counterbore sealing surface is pitted counts as one part damage.

If the caliper has corrosion, rust, debris, or a missing cap; count as one part damage.

A cracked, damaged, fractured or missing carrier counts as one part damage.

Chamber Counterbore Surface



OK



Not OK

**Examples of Automatic Scrap**

Any of the following count as scrap:

- Non-genuine Bendix® brand air disc brake.
- Any Core that has been welded, brazed, opened, reworked or modified, will be considered scrap.
- Cracked or fractured caliper.
- Obsolete or other parts not in the program.

► Bendix will make the final determination at its sole discretion. If in doubt, return the part for consideration.

## Non-Bendix To Bendix Upgrade


All Cores in this section will be accepted back at the full Core value of the applicable Bendix® product installed on the vehicle as a replacement.

For example, if under the program you return a Midland® EL13053X Core that has been replaced on a vehicle by a Bendix® Tu-Flo® 550 compressor (Bendix part number 107622, your Core Bank will be credited at the Bendix Tu-Flo 550 compressor Core value.

The maximum dollar amount permitted in any year for upgrades is 10% of your previous year's Reman purchases. Cores must be tagged with a completed orange upgrade tag (BW1829).

Only the Cores illustrated on the following pages will be accepted for the Upgrade Program. **Substitutions are not permitted.**

The Bendix upgrades are presented by product. Where applicable, all Original Equipment, Service New and/or Exchange part number versions of the featured non-Bendix Core will be accepted for upgrade credit. All upgrades must be in good condition with no visible damage and have an orange upgrade tag (BW1829).





**UPGRADE TAG**

TO MODEL / DEVICE
FROM MODEL / DEVICE
CORE RETURN NUMBER
CUSTOMER CODE
CUSTOMER NAME




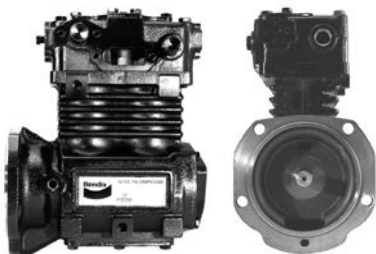




BW1829 ©2010 Bendix Commercial Vehicle Systems LLC, a member of the  
Wabco Group. All Rights Reserved.








Tag BW1829








Upgrade Program	
From	To
<b>RADAR</b>	
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<p style="font-size: small;">Any reference to Berg®, Chicago Rawhide® (CR), Cummins®, Detroit Diesel®, Haldex®, Holset®, Kelsey Hayes®, Mack®, Midland®, Navistar®, Rockwell®, Sealco®, Wabco®, Wagner®, or Yoosung® are solely for identification purposes.</p>	

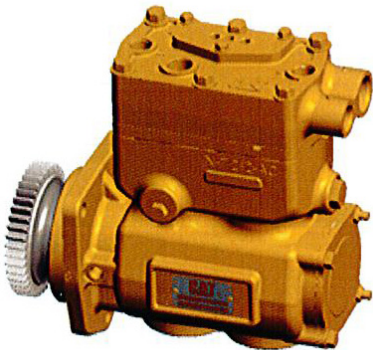



► Bendix will make the final determination at its sole discretion. If in doubt, return the part for consideration.





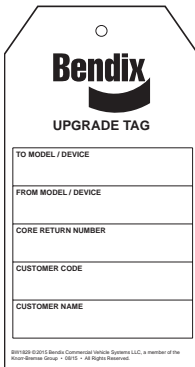







Upgrade Program	
From	To
<b>Compressors: Detroit Diesel® Series 60 Through-Drive</b>	
 <p>EL1300 or EL1600</p> <p>CORE GROUP <b>D1</b></p> <p>CORE CLASS <b>DA</b></p>	 <p>Bendix® Tu-Flo® 550 Compressor</p> <p>CORE GROUP <b>1C</b></p> <p>CORE CLASS <b>1C</b></p>
 <p>EL1600 only Example: EL16053X</p> <p>CORE GROUP <b>K2</b></p> <p>CORE CLASS <b>KB</b></p>	 <p>Bendix® Tu-Flo® 750 Compressor Example: 107623</p> <p>CORE GROUP <b>1C</b></p> <p>CORE CLASS <b>2C</b></p>
<b>Compressors: MACK® Inline 6 Cylinder</b>	
 <p>EL1300 or EL1600 Example: EL13111X or EL16111X</p> <p>CORE GROUP <b>F1</b></p> <p>CORE CLASS <b>FA</b></p>	 <p>Bendix Tu-Flo 550 Compressor Example: 107511</p> <p>CORE GROUP <b>1F</b></p> <p>CORE CLASS <b>1F</b></p>
 <p>EL1600 only Example: EL16111X</p> <p>CORE GROUP <b>L1</b></p> <p>CORE CLASS <b>LA</b></p>	 <p>Bendix Tu-Flo 750 Compressor Example: 107510</p> <p>CORE GROUP <b>1F</b></p> <p>CORE CLASS <b>2F</b></p>
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Upgrade Program	
From	To
<b>Compressors: Cummins® Inline 6 Cylinder</b>	
 <p><b>Holset Single Cylinder</b> Example: 3049186X</p> <p>CORE GROUP <b>J</b> CORE CLASS <b>AJ</b></p>	<p><b>Bendix® Tu-Flo® 550 Compressor</b> Example: 107506</p> <p>CORE GROUP <b>1B</b> CORE CLASS <b>1B</b></p> 
	<p><b>Bendix® Tu-Flo® 750 Compressor</b> Example: 107507</p> <p>CORE GROUP <b>1B</b> CORE CLASS <b>2B</b></p> 
<b>Compressors: Base Mounted Compressor Upgrade</b>	
 <p><b>EL1300 or EL1600</b> Example: EL13060</p> <p>CORE GROUP <b>C1</b> CORE CLASS <b>CA</b></p>	 <p><b>Bendix® Tu-Flo® 501 or Tu-Flo 550 Compressor</b></p> <p>CORE GROUP <b>12</b> CORE CLASS <b>59</b></p>
<b>Compressors: Side-Mounted Compressors</b>	
 <p><b>Yoosung 2 CYL.</b> Example: 11-25242</p>	<p>This upgrade is only available when purchased through Navistar®</p>  <p><b>Bendix® BA-921® Compressor</b></p>
<p>Any reference to Berg®, Chicago Rawhide® (CR), Cummins®, Detroit Diesel®, Haldex®, Holset®, Kelsey Hayes®, Mack®, Midland®, Navistar®, Rockwell®, Sealco®, Wabco®, Wagner®, or Yoosung® are solely for identification purposes.</p>	

Upgrade Program	
From	To
Compressors: Detroit Diesel® Series 50 & 60	
<div></div> <div><div>CORE GROUP 1D</div><div>CORE CLASS 2D</div></div> <div>Bendix® Tu-Flo® 750 Compressor</div>	<div></div> <div><div>CORE GROUP 1L</div><div>CORE CLASS 1L</div></div> <div>Bendix® BA-922® Compressor</div>
<div></div> <div><div>CORE GROUP 14</div><div>CORE CLASS 97</div></div> <div>Bendix® DuraFlo 596™ Compressor</div>	<div></div> <div><div>CORE GROUP 1M</div><div>CORE CLASS 1M</div></div> <div>Bendix BA-922 Compressor</div>
Compressors: Caterpillar® C11, C13, C15, & C18 Series Compressors	
<div></div> <div><div>CORE GROUP 1A</div><div>CORE CLASS 2A</div></div> <div>Bendix Tu-Flo 750 Compressor</div>	<div></div> <div><div>CORE GROUP 1P</div><div>CORE CLASS 1P</div></div> <div>Bendix BA-922 Compressor</div>
<div></div> <div><div>CORE GROUP 14</div><div>CORE CLASS 97</div></div> <div>Bendix DuraFlo 596 Compressor</div>	
Any reference to Berg®, Chicago Rawhide® (CR), Cummins®, Detroit Diesel®, Haldex®, Holset®, Kelsey Hayes®, Mack®, Midland®, Navistar®, Rockwell®, Sealco®, Wabco®, Wagner®, or Yoosung® are solely for identification purposes.	

Upgrade Program	
From	To
<b>Compressors: Caterpillar® CAT270 Compressors</b>	
 <p><b>CAT® 270 Compressor</b> Example: 10R5297</p>	 <div> <div>CORE GROUP <b>1P</b></div> <div>CORE CLASS <b>1P</b></div> </div> <p><b>Bendix® BA-922® Compressor</b> Example: 5013059</p>
<b>Governors: Standard</b>	
 <div> <div>CORE GROUP <b>A8</b></div> <div>CORE CLASS <b>AH</b></div> </div> <p><b>Midland KN18530X</b></p>	 <div> <div>CORE GROUP <b>5</b></div> <div>CORE CLASS <b>16</b></div> </div> <p><b>Bendix® D-2® Governor</b></p>
<p>Any reference to Berg®, Chicago Rawhide® (CR), Cummins®, Detroit Diesel®, Haldex®, Holset®, Kelsey Hayes®, Mack®, Midland®, Navistar®, Rockwell®, Sealco®, Wabco®, Wagner®, or Yoosung® are solely for identification purposes.</p>	



Change from:		Change to:	and Receive:	Required Tag*
<b>Non-Bendix Air Dryers</b>	Any Non-Genuine (AD-9®- or AD-IP®-style) Air Dryers	 Genuine Bendix® Reman AD-9® or Bendix® Reman AD-IP® 	Full Core credit	 Use BW1829
<b>Non-Bendix Cartridges</b>	Any Non-Genuine (AD-9- or AD-IP-style) Cartridges	 Genuine Bendix® Reman AD-9® Bendix® Reman AD-IP® 	Full Core credit	
<b>Legacy Bendix Dryers</b>	Bendix® AD-2® Air Dryer Bendix® AD-4™ Air Dryer	 Genuine Bendix® Reman AD-9® or Bendix® Reman AD-IP® 	Full Core credit	
<b>Bendix Dryers with Minor Damage or Co-Mingled Hardware</b>	Bendix® AD-9 Air Dryer Bendix® AD-IP Air Dryer Bendix® AD-SP® Air Dryer	 Genuine Bendix® Reman AD-9® or Bendix® Reman AD-IP® 	Full Core credit	
<b>(Spin on Cartridges)</b>	Any Genuine AD-IS® Dryer with non-Bendix Cartridge		Full Core credit	Upgrade Tag Not Required

• Changeover Cores must be tagged “Upgrade” (use orange upgrade tag BW1829). Return with remanufactured exchange Cores. Air dryer Cores incorrectly tagged will not be eligible for credit.

• Note: Only the dryers listed above are included in the upgrade offer.



# CORE RETURN: Air and Electronics

Core Return No. \_\_\_\_\_

Returned Cores: B/L NO. \_\_\_\_\_

Carrier \_\_\_\_\_

Containers/Pallets \_\_\_\_\_ LBS. \_\_\_\_\_

DATE \_\_\_\_\_

Ship Freight Class 60. To schedule shipment, go to [www.bendixcorefreight.com](http://www.bendixcorefreight.com) or call 877-681-1949  
Under 500 lb. ship prepaid – Over 500 lb. ship collect

Description	Class	Weight in lbs	Good Core	1-part Damaged	2-parts Damaged	Upgrade
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<b>GROUP 1: Bendix® Brand Compressors - Flange-Mounted</b>						
1 BX-2150™	26	34.0				
Tu-Flo® 1400	06	92.0				
Tu-Flo 700	05	48.0				
Tu-Flo 501	14	43.0				

<b>GROUP 1A: Caterpillar® Flange Compressor</b>						
Tu-Flo 550 31.5" 2-Hole	1A	51.0				
Tu-Flo 550 5-Hole	1A	51.0				
Tu-Flo 550 3-Hole	1A	51.0				
Tu-Flo 750 31.5" 2-Hole	2A	58.0				
Tu-Flo 750 5-Hole	2A	58.0				
Tu-Flo 750 3-Hole	2A	58.0				

<b>GROUP 1B: CUMMINS® Flange Compressor</b>						
Tu-Flo 550 4-Hole	1B	51.0				
Tu-Flo 750 4-Hole	2B	58.0				

<b>GROUP 1C: DDC Flange Compressor</b>						
Tu-Flo 550 4-Hole TD	1C	51.0				
Tu-Flo 550 4-Hole NTD	1C	51.0				
Tu-Flo 550 3-Hole	1C	51.0				
Tu-Flo 750 4-Hole TD	2C	58.0				
Tu-Flo 750 4-Hole NTD	2C	58.0				
Tu-Flo 750 3-Hole	2C	58.0				

<b>GROUP 1D: DDC Adapterless</b>						
Tu-Flo 550 6-Hole	1D	51.0				
Tu-Flo 750 6-Hole	2D	58.0				

<b>GROUP 1E: Ford®/CUMMINS® Flange Compressor</b>						
Tu-Flo 550 2-Hole	1E	51.0				
Tu-Flo 750 2-Hole	2E	61.0				

<b>GROUP 1F: Mack® Flange Compressor</b>						
Tu-Flo 550 Extnd	1F	51.0				
Tu-Flo 750 Extnd	2F	58.0				
Tu-Flo 750 3-Hole	2F	58.0				

<b>GROUP 1G: Navistar® Flange Compressor</b>						
Tu-Flo 550 2-Hole	1G	51.0				
Tu-Flo 750 2-Hole	2G	58.0				

<b>GROUP 1H: Volvo® Flange Compressor</b>						
Tu-Flo 550 5-Hole	1H	51.0				
Tu-Flo 750 5-Hole	2H	58.0				

<b>GROUP 1I: Bendix® Tu-Flo 550 Base Mount</b>						
Tu-Flo 550	60	51.0				

<b>GROUP 1J: Bendix® BA-921® Compressor - CAT</b>						
BA-921	2J	55.3				
BA-921 - CLSD	3J	55.3				

<b>GROUP 1K: Bendix® BA-921 Compressor - CAT</b>						
BA-921	2K	45.6				

<b>GROUP 1L: Bendix® BA-922 Compressor - DDC Adapterless</b>						
BA-922	1L	75.0				

<b>GROUP 1M: Bendix® BA-922 Compressor - DDC</b>						
BA-922	1M	75.0				

<b>GROUP 1N: Bendix® BA-922 Compressor - CAT/DEERE</b>						
BA-922	1N	64.0				

<b>GROUP 1P: Bendix® BA-922 Compressor - CAT HD ACERT</b>						
BA-922	1P	64.0				

<b>GROUP 1S: Bendix® BA-921 Compressor - DDC EPA 2007</b>						
BA-921	1S	40.0				

<b>GROUP 1T: Bendix® BA-921 Compressor - DDC EPA 2010</b>						
BA-921	1T	40.0				

<b>GROUP 1U: Bendix® BA-922 Compressor - SAE 8 FLANGE</b>						
BA-922	1U	64.0				

<b>GROUP 1V: Bendix® BA-921 Compressor - NAVISTAR</b>						
BA-921	1V	43.0				

<b>GROUP 1W: Bendix® BA-922 Compressor - NAVISTAR</b>						
BA-922	1W	64.0				

<b>GROUP 1X: BA-921 Compressor - NAVISTAR SIDE MOUNT</b>						
BA-921	1X	38.0				

<b>GROUP 1Y: Bendix® BA-921 Compressor - VOLVO</b>						
BA-921	1Y	57.0				
Total:						

Description	Class	Weight in lbs	Good Core	1-part Damaged	2-parts Damaged	Upgrade
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<b>GROUP 3: Brake Valves (Single Circuit)</b>						
E-2™	41	1.3				
E-3™	41	1.4				
E-5	41	2.5				

<b>GROUP 4: Air Dryer Cartridges</b>						
AD-9®	66	10.5				
AD-2®	13	8.8				

<b>GROUP 5: Bendix® D-2® Governor</b>						
D-2	16	1.1				

<b>GROUP 6: A/D End Cover &amp; Purge Valve Assembly</b>						
AD-2 End Cover	17	1.8				
AD-9 Purge Assembly	68	1.0				

<b>GROUP 7: Slack Adjusters</b>						
ASA-5® Auto Slack	54	7.5				

<b>GROUP 9: Air Dryers</b>						
AD-9	29	23.5				

<b>GROUP 9A: Air Dryers</b>						
AD-IP®	79	24.0				

<b>GROUP 9B: Air Dryer Cartridges</b>						
AD-IP	90	27.0				

<b>GROUP 12: Compressors</b>						
Tu-Flo 501	61	48.0				
Tu-Flo 500	62	34.0				

<b>GROUP 13: Compressors: Low Output (Gold-Side)</b>						
Tu-Flo 300	13	25.0				
Tu-Flo 400	30	40.0				

<b>GROUP 13: Compressors: Self-Lubed or Air-Cooled</b>						
Tu-Flo 300	55	25.0				
Tu-Flo 400	64	35.0				

<b>GROUP 14: Bendix® DuraFlo 596® Compressor</b>						
DuraFlo 596	97	14.0				

<b>GROUP 15: Bendix® BA-921 Compressor - CAT</b>						
BA-921	2J	55.3				
BA-921 - CLSD	3J	55.3				

<b>GROUP 16: Bendix® BA-921 Compressor - CAT</b>						
BA-921	2K	45.6				

<b>GROUP 17: Bendix® BA-922 Compressor - DDC Adapterless</b>						
BA-922	1L	75.0				

<b>GROUP 18: Bendix® BA-922 Compressor - DDC</b>						
BA-922	1M	75.0				

<b>GROUP 19: Bendix® BA-922 Compressor - CAT/DEERE</b>						
BA-922	1N	64.0				

<b>GROUP 20: Bendix® BA-922 Compressor - CAT HD ACERT</b>						
BA-922	1P	64.0				

<b>GROUP 21: Bendix® BA-921 Compressor - DDC EPA 2007</b>						
BA-921	1S	40.0				

<b>GROUP 22: Bendix® BA-921 Compressor - DDC EPA 2010</b>						
BA-921	1T	40.0				

<b>GROUP 23: Bendix® BA-922 Compressor - SAE 8 FLANGE</b>						
BA-922	1U	64.0				

<b>GROUP 24: Bendix® BA-921 Compressor - NAVISTAR</b>						
BA-921	1V	43.0				

<b>GROUP 25: Bendix® BA-922 Compressor - NAVISTAR</b>						
BA-922	1W	64.0				

<b>GROUP 26: Bendix® BA-921 Compressor - NAVISTAR SIDE MOUNT</b>						
BA-921	1X	38.0				

<b>GROUP 27: Bendix® BA-921 Compressor - VOLVO</b>						
BA-921	1Y	57.0				
Total:						

Description	Class	Weight in lbs	Good Core	1-part Damaged	2-parts Damaged	Upgrade
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<b>GROUP 28: Spring Brake Valves</b>						
SR-1™	33	1.7				
SR-2™	08	3.0				
SR-4™	09	3.8				
SR-5™	75	2.9				

<b>GROUP 31: Brake Valves (Dual-Circuit, Cross-Port)</b>						
E-6™	31	2.2				
E-7™	32	3.3				
E-10™	32	2.7				

<b>GROUP 32: Brake Valves (Dual-Circuit, Parallel-Port)</b>						
E-12™	72	2.6				

<b>GROUP 33: Relay Inversion Valves</b>						
R-7™	35	2.5				

<b>GROUP 34: Bortolotti-Proportioning Relay Valve</b>						
BP-R1™	34	2.5				

<b>GROUP 35: Relay Emergency Valves</b>						
RE-6™	70	3.4				
RE-6 Changeover Kit	95	4.2				

<b>GROUP 36: Tractor Protection Valves</b>						
TP-4™	25	2.0				
TP-5™	12	2.5				

<b>GROUP 37: Pressure Regulating Valves</b>
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## CORE RETURN: Hydraulic Parts

DATE \_\_\_\_\_

Core Return No. \_\_\_\_\_

Returned Cores: B/L NO. \_\_\_\_\_

Carrier \_\_\_\_\_

Containers/Pallets \_\_\_\_\_ LBS. \_\_\_\_\_

Ship Freight Class 60. To schedule shipment,  
go to [www.bendixcorefreight.com](http://www.bendixcorefreight.com)  
or call 877-681-1949

Under 500 lb. ship prepaid - Over 500 lb. ship collect

List number of units by core condition	Class	Weight in lbs	Good Core
Description			

GROUP 3A: Caliper			
R55193/E14667056	Y3	9.5	
R55194/E14667057	Y3	9.5	
R55205/E14671010	Y3	9.3	

GROUP 3B: Caliper			
R55118/E14672006/ E14672008	Y4	11.0	
R55119/E14672007/ E14672009	Y4	11.0	
R55248/E14670014	Y4	9.4	

GROUP 3C: Caliper			
R55206/E14671011	Y5	10.0	
R55249/E14671015	Y5	9.4	
L55254M/E14670018/ E14670028	Y5	27.9	
L55255M/E14670019	Y5	12.5	
R55272/E1466046	Y5	6.5	
R55273/E1466047	Y5	6.5	
R55292	Y5	10.0	
R55293	Y5	10.4	
R55381/E14671018	Y5	10.5	
R55382/E14671019	Y5	10.5	
R55383/E14671006	Y5	9.8	
R55384/E14671007	Y5	9.8	
R55411/E14670024	Y5	11.0	
R55412/E14670025	Y5	11.0	

GROUP 3D: Caliper			
R55460/E14670028	Y6	11.4	
R55461/E14670029	Y6	11.5	
R55500/E14671022	Y6	11.0	
R55501/E14671023	Y6	10.7	
R55736/E14670032	Y6	11.9	
R55737/E14670033	Y6	12.5	

GROUP 3E: Caliper			
R55496/E14671024	Y7	12.0	
R55497/E14671025	Y7	12.0	
R55604/E14670020	Y7	17.0	
R55605/E14670021	Y7	17.5	
R55636/E14670030	Y7	16.0	
R55637/E14670031	Y7	15.5	
R55687/E14671026	Y7	14.2	
R55688/E14671027	Y7	14.2	

GROUP 3J: Caliper			
R55756/E14666528	Z2	7.6	
R55757/E14666529	Z2	7.6	

GROUP 3K: Caliper			
L55288M	K3	12.0	
L55289M	K3	12.0	

GROUP 3L: Caliper			
R55502/E14667094	L3	9.5	
R55503/E14667095	L3	10.0	

GROUP 3M: Caliper			
R55626/E14668064	M3	8.5	
R55627/E14668065	M3	8.5	

GROUP 3N: Caliper			
R55640/E14663026	N3	10.0	
R55641/E14663027	N3	9.5	

GROUP 3P: Caliper			
L55795PM/E14670040	P3	17.6	
L55794PM/E14670041	P3	17.6	
Total			

List number of units by core condition	Class	Weight in lbs	Good Core
Description			

GROUP 3Q: Caliper			
R55796/E14670038	Q3	14.9	
R55797/E14670039	Q3	14.9	

GROUP 3R: Caliper			
R55798/E14666537	R3	4.5	

GROUP 3S: Caliper			
R55809/E14660080/ E14660080	S3	14.9	
R55810/E14666081	S3	14.9	

GROUP 3T: Caliper			
R55205/E14671011	T3	7.5	
R55206/E14671012	T3	7.5	

GROUP 3U: Light Duty Caliper			
R55206/E14671011	U3	10.0	
R55207/E14671012	U3	10.0	

GROUP 3V: Caliper			
R55206/E14671011	V3	18.5	
R55207/E14671012	V3	18.5	

GROUP 3W: Caliper			
R55206/E14671011	W3	18.7	
R55207/E14671012	W3	18.7	

GROUP 3X: Caliper			
R55206/E14671011	X3	18.5	
R55207/E14671012	X3	18.5	

GROUP 3Y: Caliper			
R55206/E14671011	Y3	18.5	
R55207/E14671012	Y3	18.5	

GROUP 3Z: Caliper			
R55206/E14671011	Z3	18.5	
R55207/E14671012	Z3	18.5	

GROUP 4A: Wheel Cylinder			
R201179	4A	4.0	
R201180	4A	4.0	

GROUP 4B: Wheel Cylinder			
R201179	4B	4.0	
R201180	4B	4.0	

GROUP 4C: Backing Plate			
R202249	4C	12.0	
R202250	4C	12.0	

GROUP 4D: Pump & Motor			
R202249	4D	12.0	
R202250	4D	12.0	

GROUP 4E: Parking Brake Motor			
R202249	4E	12.0	
R202250	4E	12.0	

GROUP 4F: Caliper - Navistar			
R202249	4F	12.0	
R202250	4F	12.0	

GROUP 4G: Hydromax Booster			
R202249	4G	12.0	
R202250	4G	12.0	

GROUP 4H: Caliper 3.38"			
R202249	4H	12.0	
R202250	4H	12.0	

GROUP 4I: Caliper 3.38"			
R202249	4I	12.0	
R202250	4I	12.0	

GROUP 4J: Caliper 3.38"			
R202249	4J	12.0	
R202250	4J	12.0	

GROUP 4K: Caliper 3.38"			
R202249	4K	12.0	
R202250	4K	12.0	

GROUP 4L: Caliper 3.38"			
R202249	4L	12.0	
R202250	4L	12.0	

GROUP 4M: Caliper 3.38"			
R202249	4M	12.0	
R202250	4M	12.0	

GROUP 4N: Caliper 3.38"			
R202249	4N	12.0	
R202250	4N	12.0	

GROUP 4O: Caliper 3.38"			
R202249	4O	12.0	
R202250	4O	12.0	

GROUP 4P: Caliper 3.38"			
R202249	4P	12.0	
R202250	4P	12.0	

GROUP 4Q: Caliper 3.38"			
R202249	4Q	12.0	
R202250	4Q	12.0	

GROUP 4R: Caliper 3.38"			
R202249	4R	12.0	
R202250	4R	12.0	

List number of units by core condition	Class	Weight in lbs	Good Core
Description			

GROUP 20: Caliper 3.38"			
R55199/E14671014	47	17.5	
R55200/E14671015	47	17.5	

GROUP 21: Caliper 2.60"			
L55245M	48	27.9	
R55314/E14675006	48	20.0	

GROUP 22: Caliper 2.88"			
R55171/E14675007	48	20.4	
R55250/E14685008	49	24.0	

GROUP 23: Caliper 2.88"			
R55856/E14685006	49	24.5	
R55857/E14685007	49	12.5	

GROUP 24: Caliper 2.88"			
R55858/E14685008	51	25.7	
R55859/E14685009	51	25.7	

GROUP 25: Caliper 2.88"			
R55860/E14685010	49	28.2	
R55861/E14685011	49	28.2	

GROUP 26: Caliper 2.88"			
R55862/E14685012	51	25.7	
R55863/E14685013	51	25.7	

GROUP 27: Caliper 2.88"			
R55864/E14685014	51	25.7	
R55865/E14685015	51	25.7	

GROUP 28: Caliper 2.88"			
R55866/E14685016	51	25.7	
R55867/E14685017	51	25.7	

GROUP 29: Caliper 2.88"			
R55868/E14685018	51	25.7	
R55869/E14685019	51	25.7	

GROUP 30: Caliper 2.88"			
R55870/E14685020	51	25.7	
R55871/E14685021	51	25.7	

GROUP 31: Caliper 2.88"			
R55872/E14685022	51	25.7	
R55873/E14685023	51	25.7	

GROUP 32: Caliper 2.88"			
R55874/E14685024	51	25.7	
R55875/E14685025	51	25.7	

GROUP 33: Caliper 2.88"			
R55876/E14685026	51	25.7	
R55877/E14685027	51	25.7	

GROUP 34: Caliper 2.88"			
R55878/E14685028	51	25.7	
R55879/E14685029	51	25.7	

GROUP 35: Caliper 2.88"			
R55880/E14685030	51	25.7	
R55881/E14685031	51	25.7	

GROUP 36: Caliper 2.88"			
R55882/E14685032	51	25.7	
R55883/E14685033	51	25.7	

GROUP 37: Caliper 2.88"			
R55884/E14685034	51	25.7	
R55885/E14685035	51	25.7	

GROUP 38: Caliper 2.88"			
R55886/E14685036	51	25.7	
R55887/E14685037	51	25.7	

GROUP 39: Caliper 2.88"			
R55888/E14685038	51	25.7	
R55889/E14685039	51	25.7	

R2771740	H3	10.0	
R2771791	H3	12.0	
Total			



**All Makes**  
by Bendix CVS

## CORE RETURN:

Truck Products and All Makes by Bendix CVS

DATE \_\_\_\_\_

Ship Freight Class 60. To schedule shipment,  
go to [www.bendixcorefreight.com](http://www.bendixcorefreight.com)  
or call 877-681-1949  
Under 500 lb. ship prepaid - Over 500 lb. ship collect

Core Return No. \_\_\_\_\_

Returned Cores: B/L NO. \_\_\_\_\_

Carrier \_\_\_\_\_

Containers/Pallets \_\_\_\_\_

LBS. \_\_\_\_\_

List number of units by core condition	Model	Class	Weight in lbs	Good Core	1 - Part Damaged	2 - Parts Damaged
<b>ALL MAKES BY BENDIX CVS - COMPRESSORS</b>						
<b>GROUP A1: EL740 - 4-Hole Base A/C - Rotatable Head</b>						
A1	KN 7000X	AA	32			
<b>GROUP A2: EL740 - 4-Hole Base A/C - Non-Rotatable Head</b>						
A2	KN 7010X	AB	25			
	KN 7020X	AB	25			
<b>GROUP A3: EL740 - 4-Hole Base W/C - Rotatable Head</b>						
A3	KN 7030X	AC	23			
<b>GROUP A4: EL740 - 4-Hole Base W/C - Non-Rotatable Head</b>						
A4	KN 7040X	AD	23			
	KN 7041X	AD	23			
	KN 7050X	AD	23			
<b>GROUP A5: EL740 - DETROIT 6" Flange Mount</b>						
A5	KN 7060X	AE	30			
	KN 7070X	AE	30			
	KN 7080X	AE	30			
<b>GROUP A6: EL740 - 6-Hole Base</b>						
A6	KN 7170X	AF	30			
	KN 7180X	AF	30			
<b>GROUP A7: MIDLAND Governor - Diaphragm Type</b>						
A7	KN 18511X	AG	1			
<b>GROUP A8: MIDLAND Governor - Piston Type</b>						
A8	KN 18530X	AH	1			
<b>GROUP A9: Reman Compressor GMINSUZU 292 - no check valve</b>						
A9	KN 7700X	AK	45			
<b>GROUP B1: EL850 - 4-Hole Base - A/C</b>						
B1	KN 85020X	BA	21			
<b>GROUP B2: EL850 - 4-Hole Base - W/C</b>						
B2	KN 86020X	BB	21			
<b>GROUP B3: EL850 - CUMMINS® "B" Series</b>						
B3	KN 86230X	B	21			
<b>GROUP C1: EL1300 - 4-Hole Base</b>						
C1	EL 13020X	CA	49			
	EL 13021X	CA	49			
	EL 13022X	CA	49			
	EL 13060X	CA	49			
<b>GROUP D1: EL1300 - DETROIT DIESEL® 60 Series</b>						
D1	EL 13053X	DA	55			
<b>GROUP D2: EL1300 - DETROIT DIESEL 0"</b>						
	EL 13050X	DB	45			
	EL 13051X	DB	45			
<b>GROUP D3: EL1300 - DETROIT DIESEL 1"</b>						
D3	EL 13070X	DD	45			
<b>GROUP D4: EL1300 - DETROIT DIESEL 41"</b>						
D4	EL 13090X	DE	45			
<b>GROUP D5: EL1300 - DETROIT DIESEL 45"</b>						
D5	EL 13160X	DF	45			
<b>GROUP D6: EL1300 - DETROIT DIESEL 50"</b>						
D6	EL 13100X	DC	45			
<b>GROUP E1: EL1300 - CUMMINS</b>						
E1	EL 13040X	EA	45			
<b>GROUP E2: EL1300 - CUMMINS 2 - HOLE</b>						
E2	EL 13220X	EB	45			
<b>GROUP E3: EL1300 Com. CAT 2 - Hole Flange 20DE LT</b>						
E3	EL 13280X	EC	54			
	EL 13281X	EC	51			
<b>GROUP F1: EL1300 - MACK®</b>						
F1	EL 13111X	FA	50			
<b>GROUP G1: EL1300 - CAT® Tapered Shaft</b>						
G1	EL 13080X	GA	45			
	EL 13170X	GA	45			
<b>GROUP G2: EL1300 - CAT Tapered Short Shaft</b>						
G2	EL 13200X	GB	45			
<b>GROUP G3: EL1300 - CAT Spine Shaft</b>						
G3	EL 13120X	GC	45			
<b>GROUP G4: EL1300 - CAT 5 - Hole Mount</b>						
G4	EL 13151X	GD	45			
<b>GROUP G5: EL1300 - CAT 3406E</b>						
G5	EL 13330X	GE	49			
<b>GROUP G6: Reman EL1300 - CAT 3176B</b>						
G6	EL 13331X	GF	49			
<b>GROUP H1: EL1600 - 4-Hole Base</b>						
H1	EL 16020X	HA	45			
	EL 16060X	HA	45			
Total:						

List number of units by core condition	Model	Class	Weight in lbs	Good Core	1 - Part Damaged	2 - Parts Damaged
<b>GROUP J: HOLSET® - CUMMINS SS</b>						
J	3018527X	AJ	36			
	3018543X	AJ	36			
	3049186X	AJ	36			
	3558013X	AJ	40			
	3558020X	AJ	40			
	3558044X	AJ	38			
	3558045X	AJ	38			
J1	EL 16040X	JA	45			
<b>GROUP J2: HOLSET - CUMMINS SS</b>						
J2	3558005X	JB	36			
	3558006X	JB	36			
	3558021X	JB	36			
	3558022X	JB	36			
	3558023X	JB	36			
	3558024X	JB	36			
	3558025X	JB	36			
	3558026X	JB	36			
	3558027X	JB	36			
	3558028X	JB	36			
	3558029X	JB	36			
	3558030X	JB	36			
	3558031X	JB	36			
	3558032X	JB	36			
	3558033X	JB	36			
	3558034X	JB	36			
	3558035X	JB	36			
	3558036X	JB	36			
	3558037X	JB	36			
	3558038X	JB	36			
	3558039X	JB	36			
	3558040X	JB	36			
	3558041X	JB	36			
	3558042X	JB	36			
	3558043X	JB	36			
	3558044X	JB	36			
	3558045X	JB	36			
	3558046X	JB	36			
	3558047X	JB	36			
	3558048X	JB	36			
	3558049X	JB	36			
	3558050X	JB	36			
	3558051X	JB	36			
	3558052X	JB	36			
	3558053X	JB	36			
	3558054X	JB	36			
	3558055X	JB	36			
	3558056X	JB	36			
	3558057X	JB	36			
	3558058X	JB	36			
	3558059X	JB	36			
	3558060X	JB	36			
	3558061X	JB	36			
	3558062X	JB	36			
	3558063X	JB	36			
	3558064X	JB	36			
	3558065X	JB	36			
	3558066X	JB	36			
	3558067X	JB	36			
	3558068X	JB	36			
	3558069X	JB	36			
	3558070X	JB	36			
	3558071X	JB	36			
	3558072X	JB	36			
	3558073X	JB	36			
	3558074X	JB	36			
	3558075X	JB	36			
	3558076X	JB	36			
	3558077X	JB	36			
	3558078X	JB	36			
	3558079X	JB	36			
	3558080X	JB	36			
	3558081X	JB	36			
	3558082X	JB	36			
	3558083X	JB	36			
	3558084X	JB	36			
	3558085X	JB	36			
	3558086X	JB	36			
	3558087X	JB	36			
	3558088X	JB	36			
	3558089X	JB	36			
	3558090X	JB	36			
	3558091X	JB	36			
	3558092X	JB	36			
	3558093X	JB	36			
	3558094X	JB	36			
	3558095X	JB	36			
	3558096X	JB	36			
	3558097X	JB	36			
	3558098X	JB	36			
	3558099X	JB	36			
	3558100X	JB	36			
	3558101X	JB	36			
	3558102X	JB	36			
	3558103X	JB	36			
	3558104X	JB	36			
	3558105X	JB	36			
	3558106X	JB	36			
	3558107X	JB	36			
	3558108X	JB	36			
	3558109X	JB	36			
	3558110X	JB	36			
	3558111X	JB	36			
	3558112X	JB	36			
	3558113X	JB	36			
	3558114X	JB	36			
	3558115X	JB	36			
	3558116X	JB	36			
	3558117X	JB	36			
	3558118X	JB	36			
	3558119X	JB	36			
	3558120X	JB	36			
	3558121X	JB	36			
	3558122X	JB	36			
	3558123X	JB	36			
	3558124X	JB	36			
	3558125X	JB	36			
	3558126X	JB	36			
	3558127X	JB	36			
	3558128X	JB	36			
	3558129X	JB	36			
	3558130X	JB	36			
	3558131X	JB	36			
	3558132X	JB	36			
	3558133X	JB	36			
	3558134X	JB	36			
	3558135X	JB	36			
	3558136X	JB	36			
	3558137X	JB	36			
	3558138X	JB	36			
	3558139X	JB	36			
	3558140X	JB	36			
	3558141X	JB	36			
	3558142X	JB	36			
	3558143X	JB	36			
	3558144X	JB	36			





**Bendix Spicer  
Foundation Brake LLC**  
*A Bendix CVS and Dana Joint Venture*

## DATE \_\_\_\_\_

Ship Freight Class 60. **To schedule shipment,  
go to [www.bendixcorefreight.com](http://www.bendixcorefreight.com)  
or call 877-681-1949**

Under 500 lb. ship prepaid – Over 500 lb. ship collect

Returned Cores: B/L NO.

Carrier \_\_\_\_\_ Containers/Pallets \_\_\_\_\_ LBS. \_\_\_\_\_

List number of brake shoes		Good Core
Shoe	Class/Weight	

2P	1308E	2P / 7.5	
	4223E	2P / 12.5	
	4311E	2P / 14.5	
	4317E	2P / 14.0	
	4514Q	2P / 13.0	
	4515X3	2P / 14.0	
	4524HA	2P / 14.1	
	4524Q	2P / 12.0	
	4536FC2	2P / 13.0	
	4551Q	2P / 17.0	
	4692FC2	2P / 11.5	
	4693B	2P / 10.5	
4693HA	2P / 11.0		

2Q	4515Q	2Q / 14.0
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List number of brake shoes		Good Core
Shoe	Class/Weight	

**GROUP 2R: Brake Shoe**

47Y8	2R / 14.5	
1226Q	2R / 14.5	
1443Q	2R / 7.5	
4702Q	2R / 14.5	
4738Q	2R / 11.0	
4740Q	2R / 14.5	
4711Q	2R / 16.5	
4715Q	2R / 14.5	
4717E1	2R / 14.5	
4717E2	2R / 14.5	
4718Q	2R / 14.5	
4720Q	2R / 14.5	
4726E1	2R / 14.5	
4726E2	2R / 17.5	
4726S2	2R / 17.5	
4729Q	2R / 11.0	

List number of brake shoes			Good Core
Shoe	Class/Weight		

GROUP 2T: Brake Shoe

1308P	2T / 12.5
4514HA	2T / 14.5
4515P	2T / 14.0
4514HA	2T / 15.0
4514HA	2T / 13.0
4515P	2T / 15.5
4515QM	2T / 15.5
4515QM	2T / 12.0
4515P	2T / 17.2
4661FC2	2T / 15.5
4674F	2T / 16.3
4515P	2T / 14.5

List number of brake shoes		Good Core
Shoe	Class/Weight	

**GROUP 2W: Brake Shoe**

2W	4707	2W / 14.5	
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**GROUP 2X: Brake Shoe**

2X	4709E	2X / 14.0	
	4709E2	2X / 14.5	
	4709S2	2X / 14.5	

Total Number of Shoes Returned:

- All pallets should have at least four bands to secure the product to the skid.
- Use at least two bands per side (length/width).
- Pallets should have a layer of corrugated cardboard placed on the deck before any product is loaded on the pallet.
- Pallets should have at least one layer of corrugated cardboard placed on the top of the pallet BEFORE the banding is applied.

- Do not stack more than 100 shoes per 40" x 48" skid.
- Do not return shoes in their original boxes.
- Each piece of freight should be clearly marked with the shipper address, consignee address and pro number.
- Include the Core Return on the inside and outside of each skid.

## Pallets

- Do not use pallets in good condition made of dense hardwood that are able to safely support the weight of the shipment. No plywood or skids on top.
- Do not ship oversized pallets, they often break in transit.

## Stretch Film Wrap

- Stretch film must be secured to the pallet.
- All brake shoes must be secured by at least eight turns of stretch film.

## Shipping

- **For shipments greater than 500 lbs, Cores must be registered and shipped on a Bendix bill of lading. For instructions, visit [www.bendixcorefreight.com](http://www.bendixcorefreight.com).**



**For Canadian Customers Only: Initial here** \_\_\_\_\_ **to certify the statement below.**

"I certify that the cores on this CR have been removed from trucks and/or heavy-duty vehicles in the territory of Canada."

Account Number PLEASE PRINT CLEARLY

Customer Name \_\_\_\_\_

Street & No. \_\_\_\_\_ P.O. Box \_\_\_\_\_

City \_\_\_\_\_ St./Prov. \_\_\_\_\_ Zip/Postal Code \_\_\_\_\_

Phone	Contact Name
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## How-To Guide for Bendix Core Activity Reports

These instructions will help you understand the reporting format and data in the Core Reports. There are three types of reports: the Group Summary Report; the Detail Report; and the Debit/Credit Reconciliation. Positive numbers on the reports represent Cores due and negative numbers represent banked Cores.

### A. Group Summary Report: Cores due

The Group Summary Report shows what is due by Core Group. This is the only report Bendix provides that is cumulative. Columns show:

- the previous month's balance, purchases, returns, adjustments and expirations,
- the current month's balance, and
- the next three month's Cores due.

Report: YYS_R_CORE STATEMENT-SUMMARY Date: 01/22/2016 08:37:26		BENDIX COMMERCIAL VEHICLE SYSTEMS <b>GROUP SUMMARY REPORT</b> CORE Parent: 1234567 ABC Products Inc Period Ending NOVEMBER 2015											Page 1
GRP	Previous Balance	Purchases	Returns	Adjustments	Expired Items	Current Balance	Debits Issued	Due DEC	Due JAN	Due FEB	Beyond MAR	Curr	
01	FLANGE COMPRESSORS												
	1,095.00-	325.00	0.00	0.00	0.00	770.00-	0.00	0.00	0.00	0.00	770.00-	USD	
04	AIR DRYER CART												
	360.00	0.00	30.00-	0.00	0.00	330.00	0.00	60.00	120.00	0.00	150.00	USD	
09	AD-4/9 AIR DRYERS												
	1,140.00	0.00	0.00	0.00	0.00	1,140.00	0.00	180.00	480.00	120.00	360.00	USD	
12	BASE COMPRESSORS												
	800.00-	0.00	0.00	0.00	0.00	800.00-	0.00	0.00	0.00	0.00	800.00-	USD	
1B	CUMMINS 650/750												
	450.00-	0.00	0.00	0.00	0.00	450.00-	0.00	0.00	450.00-	0.00	0.00	USD	

### B. Detail Report Pages: Monthly activity

This report is not cumulative but gives the specific detail of current month activity for each active Core Group. The report does not include data for any groups without activity during that month. The details include Bendix invoice number, customer P.O., part numbers for purchases, and warranty claims information.

Report: YYS_R_CORE STATEMENT-COREGRP Date: 01/22/2016 08:37:25		BENDIX COMMERCIAL VEHICLE SYSTEMS <b>CORE GROUP DETAIL REPORT</b> CORE Parent: 1234567 ABC Products Inc Period Ending NOVEMBER 2015											Page 1
GRP	Previous Balance	Purchases	Returns	Adjustments	Expired Items	Current Balance	Debits Issued	Due DEC	Due JAN	Due FEB	Beyond MAR	Curr	
01	FLANGE COMPRESSORS												
	1,095.00-	325.00	0.00	0.00	0.00	770.00-	0.00	0.00	0.00	0.00	770.00-	USD	
Due Date	Trans Date	Type	Document	PO. / Ref	Class	Part Number	Quantity	Amount	Curr Soldto	City	State / Country		
New Purchases													
05/31/2015	11/07/2015	SLS	5090610277	503-85	14	286625	1	325.00	USD 1234567	Anytown	USA		

### C. Credit Reconciliation (Upfront program) / Debit Reconciliation (Delayed program)

This document gives specific detail of any current month's debit or credit. It shows the detail for the transactions that produced the debit or credit. Bendix always closes the oldest item. For a Delayed account, this would be the oldest invoice which did not have a Core returned, not necessarily the exact invoice of original purchase.

#### Example 1: Upfront Credit Reconciliation

Report: YYS_R_CORE STATEMENT-CREDIT Date: 02/03/2016 07:30:29		BENDIX COMMERCIAL VEHICLE SYSTEMS <b>CREDIT RECONCILIATION REPORT</b> CORE Parent: 1234567 ABC Corporation Period Ending NOVEMBER 2015											Page 1
Due Date	Trans Date	Type	Document	PO. / Ref	Group	Class	Description	Quantity	Amount	Curr	Soldto	City	State / Country
05/31/2015	06/14/2015	RTN	5025425		1B	1B	TF650 CUMMINS	1-	450.00-	USD	1007434	Anytown	USA
Totals					1B			1-	450.00-				
11/30/2015	11/03/2015	RTN	5025436		1D	1D	TF650 DDC ADAPTERLES	1-	450.00-	USD	1007434	Anytown	USA
Totals					1D			1-	450.00-				
Total Credits Issued								2-	900.00-				

## Example 2: Delayed Debit Reconciliation

Report: YYS_R_CORE STATEMENT-CREDIT Date: 01/22/2016 08:37:25		<div> <div>BENDIX COMMERCIAL VEHICLE SYSTEMS</div> <div>DEBIT RECONCILIATION REPORT</div> <div>CORE # 1234567</div> <div>ABC Products Inc</div> <div>Period Ending NOVEMBER 2015</div> </div>										Page 1	
Due Date	Trans Date	Type	Document	PO. / Ref	Group	Class	Description	Quantity	Amount	Curr	Soldto	City	State / Country
11/30/2015	04/23/2015	SLS	5090409436	26373	22	49	BW CALIPER #55250	5	275.00	USD	1234567	Anytown	USA
11/30/2015	05/08/2015	SLS	5090425586	26419	22	49	BW CALIPER #55250	2	108.00	USD	1234567	Anytown	USA
11/30/2015	05/08/2015	SLS	5090425586	26419	22	49	BW CALIPER #55250	1	54.00	USD	1234567	Anytown	USA
Totals					22			8	432.00				
Total Debits Issued								8	432.00				

**NOTE:**

Core related issues/questions regarding count, receipt and grading should be directed to the Bendix Commercial Vehicle Systems Huntington Core Center at 260-356-9720 extension 4930.

Core related issues/questions on your report should be directed to the Core Department at [cores@bendix.com](mailto:cores@bendix.com), or 440-329-9298. Representatives are available to assist you from Monday to Friday, 8 a.m. to 5 p.m. ET.

**Air & Electronic**

Core Groups	Core Class	Description	Good Core	1 Part Damaged	2 Parts Damaged	Upgrade Core*
01	26	Bendix® BX-2150™ - Flange Mount				
	14	Bendix® Tu-Flo® 501 - Flange Mount				
	5	Bendix® Tu-Flo® 700 - Flange Mount				
	6	Bendix® Tu-Flo® 1400 - Flange Mount				
1A	1A	Bendix® Tu-Flo® 550 CAT 31.5 Degree 2-Hole Flange				
	1A	Bendix Tu-Flo 550 CAT 5-Hole Flange				
	1A	Bendix Tu-Flo 550 CAT 3-Hole Flange				
	2A	Bendix® Tu-Flo® 750 CAT 31.5 Degree 2-Hole Flange				
	2A	Bendix Tu-Flo 750 CAT 5-Hole Flange				
	2A	Bendix Tu-Flo 750 CAT 3-Hole Flange				
1B	1B	Bendix Tu-Flo 550 Cummins 4-Hole Flange				
	2B	Bendix Tu-Flo 750 Cummins 4-Hole Flange				
1C	1C	Bendix Tu-Flo 550 DDC 4-Hole Thru Drive				
	1C	Bendix Tu-Flo 550 DDC 4-Hole Non Thru Drive				
	1C	Bendix Tu-Flo 550 DDC Series 55				
	2C	Bendix Tu-Flo 750 DDC 4-Hole Thru Drive				
	2C	Bendix Tu-Flo 750 DDC 4-Hole Non Thru Drive				
	2C	Bendix Tu-Flo 750 DDC Series 55				
1D	1D	Bendix Tu-Flo 550 DDC Integral Adapter				
	2D	Bendix Tu-Flo 750 DDC Integral Adapter				
1E	1E	Bendix Tu-Flo 550 Cummins 2-Hole Flange				
	2E	Bendix Tu-Flo 750 Cummins				
1F	1F	Bendix Tu-Flo 550 Mack Extended Flange				
	2F	Bendix Tu-Flo 750 Mack Extended Flange				
	2F	Bendix Tu-Flo 750 Mack 3-Hole Flange				
1G	1G	Bendix Tu-Flo 550 Navistar 7 Degree 2-Hole Flange				
	2G	Bendix Tu-Flo 750 Navistar 7 Degree 2-Hole Flange				
1H	1H	Bendix Tu-Flo 550 Volvo 5-Hole Flange				
	2H	Bendix Tu-Flo 750 Volvo 5-Hole Flange				
1I	60	Bendix Tu-Flo 550 Base Mount				
1J	2J	Bendix® BA-921® Compressor - DDC				
	3J	Bendix BA-921 Compressor - DDC				
1K	2K	Bendix BA-921 Compressor - CAT				
1L	IL	Bendix® BA-922® DDC Adapterless				
1M	1M	Bendix BA-922 DDC Compressor				
1N	1N	Bendix BA-922 CAT Compressor				
1P	1P	Bendix BA-922 CAT HD ACERT				
1S	1S	Bendix BA-921 Compressor - DDC EPA 2007				
1T	1T	Bendix BA-921 Compressor - DDC EPA 2010				
1U	1U	Bendix BA-922 Compressor - SAE B Flange				
1V	1V	Bendix BA-921 Compressor - Navistar				
1W	1W	Bendix BA-922 Compressor - Navistar				
1X	1X	Bendix BA-921 Compressor - Navistar Side Mount				
1Y	1Y	Bendix BA-921 Compressor - Volvo				
3	41	Bendix® E-2™/E-3™/E-5™ Brake Valves				
4	66	Bendix® AD-9® Cartridges				
	13	Bendix® AD-2® Cartridges				

\* See Policy section for restrictions on non-Bendix and upgrade Core returns.



**Air & Electronic**

Core Groups	Core Class	Description	Good Core	1 Part Damaged	2 Parts Damaged	Upgrade Core*
5	16	Bendix® D-2® Governor				
6	17	Bendix AD-2 End Cover				
	68	Bendix AD-9 Purge Valve				
9	29	Bendix AD-9 Air Dryers				
9A	79	Bendix® AD-IP® Air Dryer				
9B	96	Bendix AD-IP Cartridges				
9C	9C	Bendix® AD-IS® Air Dryer				
9D	9D	Bendix® AD-IP/ AD-SP® Purge Valve				
12	59	Bendix® Tu-Flo® 501 - Base Mount				
	61	Bendix® Tu-Flo® 700 - Base Mount				
	62	Bendix® BX-2150™ - Base Mount				
13	55	Bendix® Tu-Flo® 300 - A/C / Self-Lubed				
	1	Bendix® Tu-Flo® 300 - Engine Lubed				
	56	Bendix® Tu-Flo® 400 - A/C / Self-Lubed				
	2	Bendix® Tu-Flo® 400 - Engine Lubed				
	57	Bendix® Tu-Flo® 500 - A/C / Self-Lubed				
	30	Bendix® Tu-Flo® 500 - Engine Lubed				
	64	Bendix® Tu-Flo® 1000 - Engine & Self-Lubed				
14	97	Bendix® DuraFlo 596™ Compressor				
16	36	Bendix® PP-1® & PP-7™ Dash Valve				
	37	Bendix® PP-2™, PP-3™ & PP-8™ Dash Valve				
	37	Bendix® TC-2™ & TC-4™ Dash Valve				
	37	Bendix® TW-1™ & TW-3™ Dash Valve				
17	43	Bendix® LQ-2™ Limited Quick Release Valve				
	39	Bendix® LQ-4™ & LQ-5™ Ltd. Quick Release Valve				
	43	Bendix® QR-1® Quick Release Valve				
	38	Bendix® QR-1C® Quick Release Valve				
25	69	Bendix® R-12® & R-14® Relay Valve				
	40	Bendix® R-6™, R-8™, R-8P™ Relay Valves				
26	63	Bendix® AD-2® Air Dryers				
27	19	Bendix® DV-2™ Drain Valve				
28	33	Bendix® SR-1™ Spring Brake Valve				
	8	Bendix® SR-2™ Spring Brake Valve				
	9	Bendix® SR-4™ Spring Brake Valve				
	75	Bendix® SR-5™ Spring Brake Valve				
31	31	Bendix® E-6® Brake Valve				
	32	Bendix® E-7™ & E-10™ Brake Valve				
32	72	Bendix® E-12™ Brake Valve				
33	35	Bendix® R-7™ Relay Inversion Valve				
34	34	Bendix® BP-R1® Bobtail Valve				
35	70	Bendix® RE-6® Relay Valve				
	95	Bendix® RE-6® Relay Valve CD Kit				
36	25	Bendix® TP-4™ Tractor Protection				
	12	Bendix® TP-5™ Tractor Protection				
37	20	Bendix® PR-2™ & PR-4™ Pressure Reg. Valve				
	22	Bendix® TR-2™ & TR-3™ Inversion Valve				

\* See Policy section for restrictions on non-Bendix and upgrade Core returns.

**Air & Electronic**

Core Groups	Core Class	Description	Good Core	1 Part Damaged	2 Parts Damaged	Upgrade Core*
38	76	Bendix® SR-5™ Change-Over Kit				
70	73	Bendix® R-12P™ Relay Valve				
73	10	Bendix® TP-3® Tractor Protection				
90	J2	Bendix® ADB22X™ Vertical Carrier				
	J3	Bendix® ADB22X™ Axial DB Carrier				
	J4	Bendix® ADB22X™ Axial SB Carrier				
SA	F1	Bendix® EVT-300™ Radar Assembly (Antenna)				
SC	F2	Bendix® EVT-300™ CPU				
SD	F3	Bendix® EVT-300™ Driver Display Unit				
SE	G8	Bendix™ SafetyDirect® ECU				
SF	G7	Bendix® FLC20™ Fusion Camera				
SG	F6	Bendix® FLR10™ Radar Assembly				
SH	F7	Bendix® FLR20™ Radar Assembly				
	F8	Bendix® FLR20™ Radar Assembly				
SK	E1	Bendix® VS-400™ Radar Assembly (Antenna)				
SM	F4	Bendix® M-40QR™ Quick Release				
SN	F5	Bendix® M-40HF™ Quick Release				
SV	E6	Bendix® ABS EC-80™ Controller (Cab-mount 3 conn.)				
SW	E7	Bendix ABS EC-80 Controller (Cab-mount 4 conn.)				
SX	E8	Bendix ABS EC-80 Controller (Cab-mount 4 conn.) Prem. ESP				
TR	3P	Bendix® Outright-Dollar Per Pound				

\* See Policy section for restrictions on non-Bendix and upgrade Core returns.

**Hydraulics**

Core Groups	Core Class	Description	Good Core	1 Part Damaged	2 Parts Damaged	Non-Bendix Core*
10	23	Hydromax™ Booster				
19	46	BW Caliper				
20	47	BW Caliper				
21	48	BW Caliper				
22	49	BW Caliper				
23	50	Dayton Caliper				
23	51	Dayton Caliper				
24	52	BW Caliper				
3A	Y3	Bare Caliper				
3B	Y4	Bare Caliper				
3C	Y5	Bare Caliper				
3D	Y6	Bare Caliper				
3E	Y7	Bare Caliper				
3J	Z2	Caliper				
3K	K3	Caliper				
3L	L3	Caliper				
3M	M3	Caliper				
3N	N3	Caliper				
3P	P3	Caliper				
3Q	Q3	Caliper				
3R	R3	Caliper				
3S	S3	Caliper				
3T	T3	Caliper				
3U	U3	Light Duty Calipers				
3V	V3	Ford® Calipers				
3W	W3	Caliper				
3X	3X	Caliper Medium Duty				
6E	6E	Caliper & Piston Navistar®				
40	80	Hydrovac™ Boosters				
41	81	Hydrovac Boosters				
42	82	Hydrovac Boosters				
42	86	Hydrovac Boosters				
43	83	Hydrovac Boosters				
44	84	Hydrovac Boosters				
44	85	Hydrovac Boosters				
45	87	Hydrovac Boosters				
46	88	Hydrovac Boosters				
47	89	Hydrovac Boosters				
48	H1	Single Mastervac™				
49	H2	Tandem Mastervac				
4B	4B	Wheel Cylinder				
4C	4C	Backing Plate				
4D	4D	Pump & Motor				
4E	4E	Parking Brake Chamber				
50	H3	Hydroboost™				
51	H4	Hydromax Pump & Motor				
52	H5	Loaded Caliper				
53	H6	Loaded Caliper				
54	H7	Loaded Caliper				
55	H8	Loaded Caliper				
56	C1	Loaded Caliper				
57	C2	Loaded Caliper				
58	C3	Loaded Caliper				
59	5C	Light Duty Master Cylinder				
60	6C	Light Duty Wheel Cylinders				
61	6D	Light Duty Brake Boosters				
62	C4	Isuzu® Caliper				
62	C5	Isuzu Caliper				
63	C6	Dodge® Caliper				
64	C7	Chevrolet Caliper				
65	C8	Caliper - 56520				
66	C9	Caliper - Sprinter®				
67	H9	Caliper - Sprinter				
69	D1	Caliper - 55803				

\*See Policy section for restrictions on non-Bendix and upgrade Core returns.

**All Makes™ Remanufactured Products by Bendix CVS**

Core Groups	Core Class	Description	Good Core	1 Part Damaged	2 Parts Damaged
A1	AA	EL740-4-Hole Base A/C-Rotatable Head			
A2	AB	EL740-4-Hole Base A/C-Non-Rotatable Head			
A3	AC	EL740-4-Hole Base W/C-Rotatable Head			
A4	AD	EL740-4-Hole Base W/C-Non-Rotatable Head			
A5	AE	EL740-Detroit 0° Flange Mount			
A6	AF	EL740-6-Hole Base			
A7	AG	Midland® Governor-Diaphragm Type			
A8	AH	Midland Governor-Piston Type			
A9	AK	Reman Compressor GM/ISUZU 292 - no check valve			
B1	BA	EL850-4-Hole Base-A/C			
B2	BB	EL850-4-Hole Base-W/C			
B3	BC	EL850-Cummins® "B" Series			
C1	CA	EL1300-4-Hole Base			
D1	DA	EL1300-Detroit® 60 Series			
D2	DB	EL1300-Detroit 0°			
D3	DD	EL1300-Detroit 1°			
D4	DE	EL1300-Detroit 41°			
D5	DF	EL1300-Detroit 45°			
D6	DG	EL1300-Detroit 50°			
E1	EA	EL1300-Cummins			
E2	EB	EL1300-Cummins 2-Hole Flange			
E3	EC	EL1300-Cummins 2-Hole Flange 20DE LT			
F1	FA	EL1300-MACK®			
G1	GA	EL1300-CAT® Tapered Shaft			
G2	GB	EL1300-CAT Tapered Short Shaft			
G3	GC	EL1300-CAT Spline Shaft			
G4	GD	EL1300-CAT 5-Hole Mount			
G5	GE	EL1300 - CAT 3406E			
G6	GF	Reman EL1300 - CAT 3176B			
H1	HA	EL1600-4-Hole Base			
J	AJ	Holset® Cummins Single Cycle Compressor			
J1	JA	EL1600-Cummins			
J2	JB	COMPT JB - Holset Cummins SS Compressor			
J3	JC	COMPT JC - Holset Cummins QE Compressor			
J4	JD	COMPT JD - Holset Cummins QE Compressor			
J5	JE	COMPT JE - Holset Cummins SS296 Compressor			

**All Makes™ Remanufactured Products by Bendix CVS**

Core Groups	Core Class	Description	Good Core	1 Part Damaged	2 Parts Damaged
J6	JF	COMPT JD - Holset Cummins SS296 Compressor			
K1	KA	EL1600-Detroit 0°			
K2	KB	EL1600-Detroit 60 Series			
K3	KC	EL1600-Detroit 1°			
K4	KD	EL1600-Detroit 4°			
K5	KE	EL1600-Detroit 41°			
K6	KF	EL1600-Detroit 45°			
K7	KG	EL1600-Detroit 50°			
K8	KH	EL1600-Detroit 75°			
K9	KJ	EL1600-Detroit Series 60			
L1	LA	EL1600-MACK			
M1	MA	EL1600-CAT Tapered Shaft			
M2	MB	EL1600-CAT Spline Shaft Fox Head Flange			
M3	MC	Midland Cylinder Head			
M4	MD	Midland DDC Series 60			
N1	NA	EL3200-4 Cylinder			
P1	PA	Holset Cummins 2-Cylinder			
P3	PC	Holset Cummins Cylinder Head			
Q1	QA	Clayton Dewandre			
RB	R2	WABCO® Compressor For Volvo SS318			
RC	R4	WABCO Compressor For Cummins LMN			
RD	R5	WABCO Compressor For MACK®			
RE	R6	WABCO Compressor For Cummins® 1SB			
RF	R7	WABCO Compressor For Cummins 1SC			
RG	R8	WABCO Compressor For Cummins 1SC			
RP	R9	Reman Compressor VOLVO Twin			
RH	S5	WABCO Head Assy 85mm M18 Water Port			
RJ	S8	WABCO Head Assy 85mm M18 Water Port			

**Truck Products™ by Bendix CVS**

Core Groups	Core Class	Description	Good Core	1 Part Damaged	2 Parts Damaged
V1	VA	Midland® Single Circuit Foot Valve			
V2	VB	Midland Dual Circuit Foot Valve			
V3	VC	SEALCO® Dual Circuit Foot Valve			
V4	VE	Midland® Relay Valve-Diaphragm Type			
V5	VF	Midland Relay Valve-Piston Type			
V6	VG	Midland Relay Valve			
V7	VH	Midland Relay Valve			
V8	VI	Midland/Wagner® Relay Valve RG-2			
V9	VJ	Wagner Relay Valve RF			
W1	VK	Wagner Relay Valve RS, RG-4, RS-2			
W2	VL	Berg® Relay Valve			
W3	VM	SEALCO Mini-Relay Valve			
W4	VN	SEALCO Relay Valve			
W5	VO	SEALCO Relay Valve			
W6	VP	SEALCO Service Brake-LOV Valve 2 Port			
W7	VQ	SEALCO Service Brake-LOV Valve 4 Port			
W8	VR	Kelsey® Hayes® Relay Valve-4 Port			
W9	VS	Kelsey Hayes Relay Valve-2 Port			
X1	VT	SEALCO Ratio Spring Brake Control Valve			
X2	VU	SEALCO Ratio Spring Brake Control Valve			
X3	VV	Midland EE Type Relay Emergency Valve			
X4	VW	Midland Relay Emergency Valve			
X5	VX	Berg Relay Emergency Valve			
X6	VY	Midland RT-4 Type Spring Brake Valve			
X7	VZ	Berg Task Valve			
X8	WA	Wagner "RT" Spring Brake Control			
X9	WB	Wagner "RT-2" Spring Brake Control			
Y2	WD	Midland Quick Release/Double Check			
Y3	WE	Midland Inversion Valve			
Y4	WF	Midland Tractor Protection Valve/2-Line			
Y5	WG	Midland Tractor Protection Valve			
Y6	WH	Midland Tractor Protection Valve			
Y7	WI	SEALCO Trailer Valve			
Y8	WJ	SEALCO Cartridge For A10005X			
Y9	WK	SLOAN® Push Pull-Brass			
Z1	WL	Neway® Leveling Valve			
Z2	WM	Fuller® Shift Valve			
Z3	WN	Fuller Range Selector			
Z4	WO	Fuller Range Selector			
Z5	WP	Fuller Range Selector			
Z6	WQ	Cummins® Fuel Solenoid Valve			
Z7	WR	Midland Full Function Valve			



Brake Shoes				
Core Groups	Shoe	Class	Good Core	1 Part Damaged
2P	1308E	2P		
	4223E	2P		
	4311E	2P		
	4317E	2P		
	4514Q	2P		
	4515X3	2P		
	4524HA	2P		
	4524Q	2P		
	4536FC2	2P		
	4551Q	2P		
	4692FC2	2P		
2Q	4515Q	2Q		
2R	47X8	2R		
	1308Q	2R		
	1443E	2R		
	4702Q	2R		
	4703Q	2R		
	4710Q	2R		
	4711Q	2R		
	4715Q	2R		
	4716E2	2R		
	4717E2	2R		
	4718Q	2R		
	4719E2	2R		
	4720Q	2R		
	4725E2	2R		
	4726E2	2R		
	4726S2	2R		
	4729E2	2R		

Brake Shoes				
Core Groups	Shoe	Class	Good Core	1 Part Damaged
2T	1308P	2T		
	4311E-HM	2T		
	4317E-HM	2T		
	4514HA	2T		
	4514Q-HM	2T		
	4515P	2T		
	4515QM	2T		
	4524Q-HM	2T		
	4551P	2T		
	4661FC2	2T		
	4674E	2T		
	4708Q	2T		
2W	4707	2W		
2X	4709E	2X		
	4709E2	2X		
	4709S2	2X		

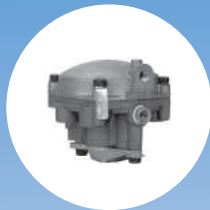
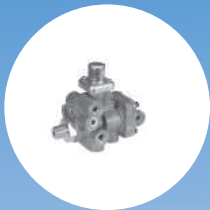
Cores should only be returned as individual shoes & not kits.

## NOTES

[illegible]

## NOTES

[illegible]



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