



Solutions To IK Problems

Problem: Leaking IK525/545/555 gearboxes

Issues: Oil and grease leakage due to oil seal failures
Incorrect sealing materials used
Gearboxes worn out and in need of repair

Solution: Clyde Bergemann, Inc. Carriage Repair/Exchange Program

Advantages: New gasket and oil seal materials
Replacement of rope packing with oil seals
Improved surface finishes and torque requirements
Repair/Exchange available on many versions
Upgrades available: Full oil bath, Shoulder Lance hub, Automatic Packing Tensioner option
Motor options, Speed and Helix changes

The original IK525/545/555 carriage assembly used nitrile oil seals and paper gaskets, which deteriorated over time. The lance drive shaft oil seal failed routinely causing oil to reach the grease side (lance hub) side of the gearbox. The lance hub side is only sealed with rope packing fitted into grooves on the inside diameter of the bearing retainer plates. The rope packing can not seal oil and the carriage usually fails due to low oil level or creates a huge mess and requires replacement.

Clyde Bergemann, Inc. offers a rebuild program for IK525/545 and IK555 carriage assemblies. Specify:

Model: IK525/IK545/IK555
Feedtube size: 2 3/8" or 2 3/4"
Speed: 35", 70", 100", etc., per min.
Helix: 4", 6" or 8" (Travel for one complete nozzle revolution)

In many cases the carriage can be sent prior to receiving the core allowing complete removal and re-installation at the same time. A huge savings!

CLYDE BERGEMANN - Advanced Boiler Cleaning Solutions!

Clyde Bergemann, Inc., 4015 Presidential Parkway, Atlanta, GA 30340
Phone: (770) 557-3600. Fax: (770) 557-3641. Toll Free (800) 241-5996



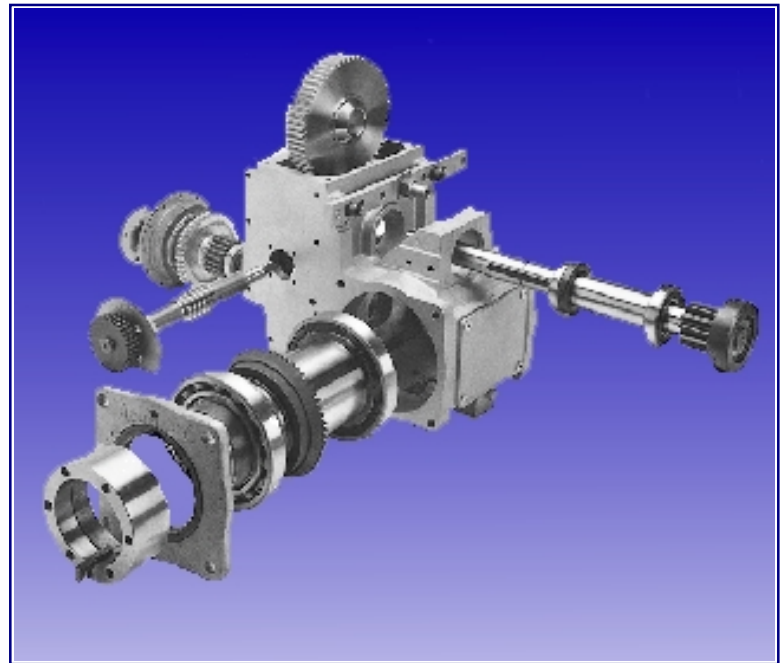
SOOTBLOWER PRODUCT SUPPORT

IK CARRIAGE REBUILD

Save Maintenance Budget with the Clyde Bergemann Carriage Remanufacturing Program

Overview:

The maintenance cost of the IK525 and IK545 carriage assemblies constitutes a significant portion of the general maintenance cost throughout the life of these sootblowers. With today's tighter budgets, it has become increasingly difficult to perform the proper carriage maintenance in house. Clyde Bergemann recognized this and has developed a variety of programs that offer economical alternatives. These programs are designed to meet your specific needs and budget. Top quality material and workmanship is paramount in the design of these programs guarantying consistency and excellence. As with other sootblower supply features offered by Clyde Bergemann, these programs carry our full year warranty covering workmanship and material.



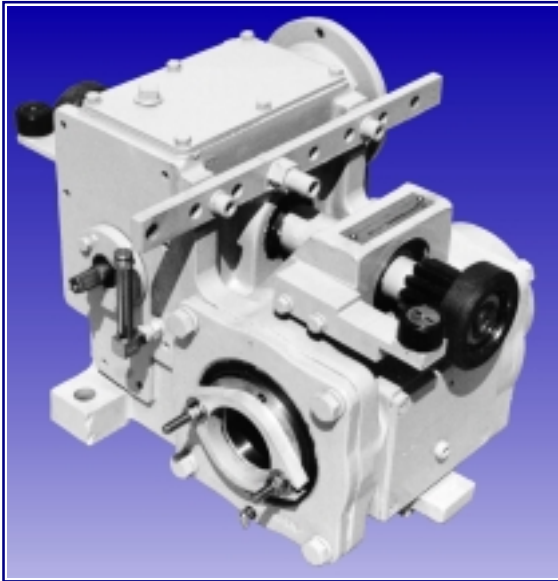
Programs:

{ **Remanufacturing Program** - This is Clyde Bergemann's basic carriage remanufacturing program. It is packaged to completely remanufacture your carriage to like new condition. The procedural highlights in this program include:

1. Complete disassembly, chemical & blast cleaning and thorough component inspection.
2. Replacement of any worn or damaged components that do not meet "like new" specifications and replacement of all normal wear items (such as bearings, seals & bushings).
3. Carriage re-assembly with I.D. plate including serial number for traceability.
4. Assembly is functionally tested and undergoes a final quality control inspection.
5. Carriage is painted using an epoxy paint and prepared for shipment.

{ **Exchange Program** - If your need is quick turn-around this program would offer the most benefit. Bergemann takes your carriage in as a core and returns a remanufactured assembly from our inventory. We can also ship assemblies prior to core receipt. Please call to confirm availability.





{ **Full Oil Bath Conversion Program** - This program is an option to the Remanufacturing Program in that it converts your carriage to a full-oil bath design in addition to work performed in the Remanufacturing Program. Additions include: modification of the core, addition of improved housing ventilation system, addition of special hub oil seals and gaskets, hub replacement and burnishing, addition of debris magnets and special full oil bath identification.

{ **Specific Repair Program** - The basic principle of this program is to repair/replace only the defective components in your carriage. Please advise Bergemann of your needs and we will quote the supply of parts and/or labor.

IK525/545 CARRIAGE REBUILD SPECIFICATIONS

Please Check Desired Specification: (* indicates standard)

Handing: RH LH

Feed Tube Size: 2 ³/₈" 2 ³/₄"

Helix: 4" * 6" 8"

Speed (inches/min): 35" 100" *

70" 140"

Options

Positive Indexing Hub to Improved Lance Indexing: (Retainer Ring Style Standard):

Viton Oil Seals for Improved Lance Hub sealing: (This is standard on all Rebuilds)

Motor Options: 1.5 HP (Parts Number BP844617-0057)

2 HP (Part Number BP844617-2000)

Automatic Packing Tensioner: 2 ³/₈" Feed Tube (Part # BP1092-C)

2 ³/₄" Feed Tube (Part # BP1029-B)

Packing Options Include Graphoil Style (Split or Solid Ring)

Teflon Style (Split or Solid Ring)

CALL US AT 1 (800) 241-5996

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