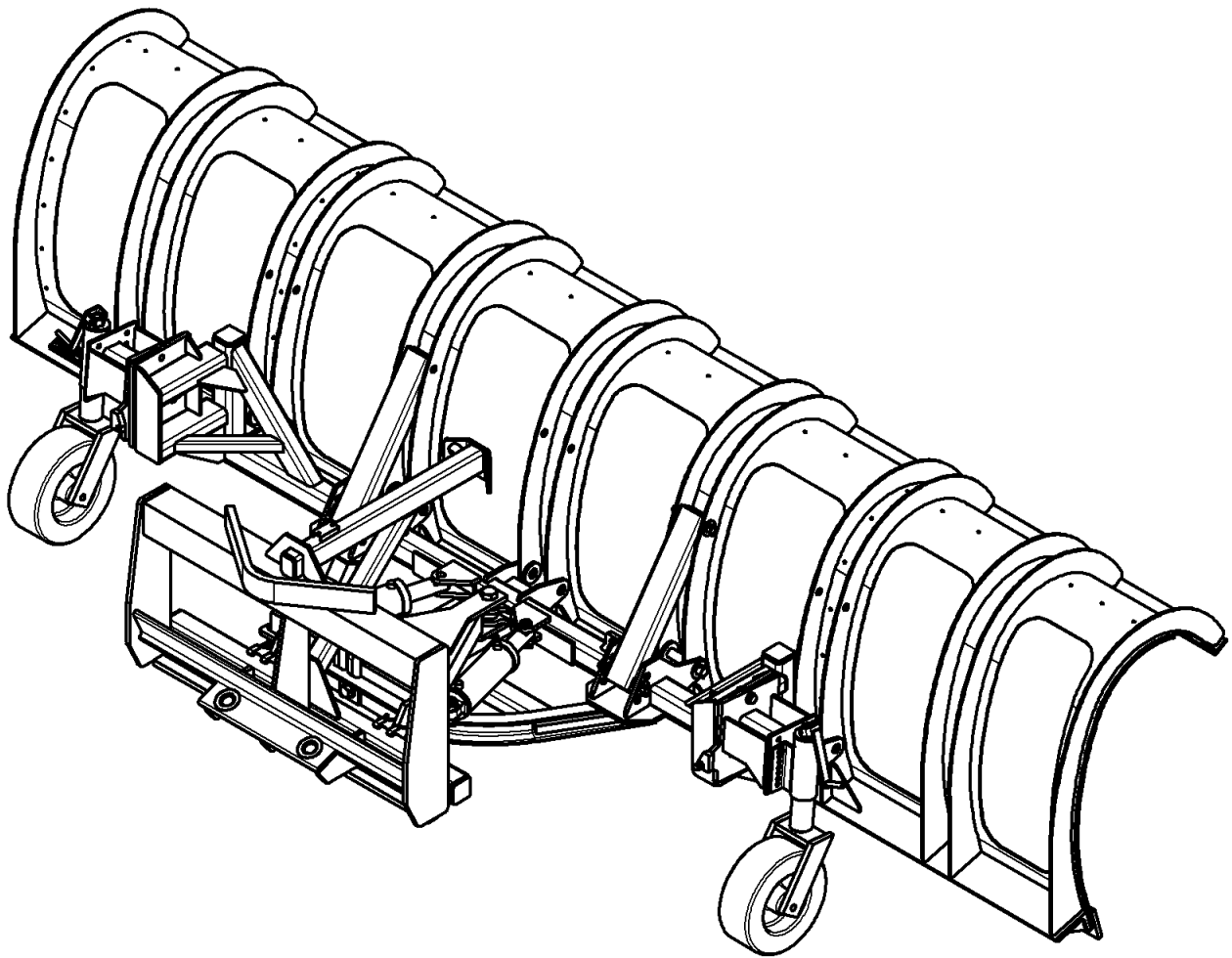


# REVERSIBLE AIRPORT PLOW

## HENKE MODEL APR50

VERSION 1.0 APRIL 2003



**HENKE**

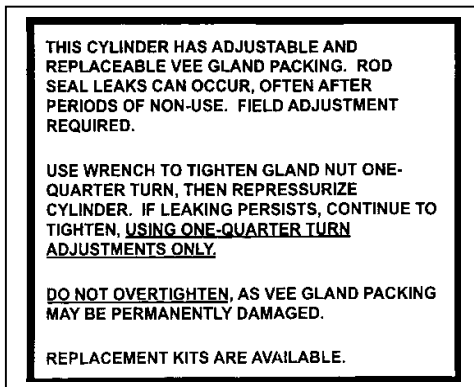
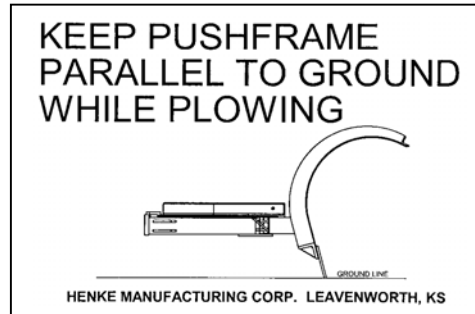
### HENKE MANUFACTURING CORPORATION

MANUFACTURERS OF SNOW REMOVAL EQUIPMENT FOR 80 YEARS  
3070 WILSON AVE. LEAVENWORTH, KS 66048 PHONE(913)682-9000 FAX(913)682-0300  
WEBSITE ADDRESS : [WWW.HENKEMFG.COM](http://WWW.HENKEMFG.COM) EMAIL: [PARTS@HENKEMFG.COM](mailto:PARTS@HENKEMFG.COM)

# SAFETY

**ONE OR MORE OF THESE SAFETY STICKERS MAY APPEAR ON YOUR HENKE PLOW. THEY ARE PLACED THERE TO INFORM YOU OF SAFETY ISSUES CONCERNING YOUR TYPE OF PLOW.**

**ALWAYS READ AND FOLLOW SAFETY WARNINGS. THEY ARE IMPORTANT FOR YOUR SAFETY AND THE PROPER OPERATION OF YOUR HENKE PLOW.**



- 1. PERSONS WHO INSTALL, MOUNT, OPERATE OR SERVICE THIS EQUIPMENT MUST BE PROPERLY INSTRUCTED AND WARNED. DO NOT LET ANYONE OPERATE EQUIPMENT WITHOUT PROPER INSTRUCTION.**
- 2. READ DECAL INSTRUCTIONS, CAUTIONS, AND WARNINGS. READ THE SAFETY MESSAGES IN THIS MANUAL AND REPLACE MISSING OR DAMAGED SAFETY DECALS.**
- 3. UNAUTHORIZED MODIFICATIONS TO THE SNOWPLOW AND RELATED COMPONENTS MAY IMPAIR THE FUNCTION AND/OR SAFETY.**

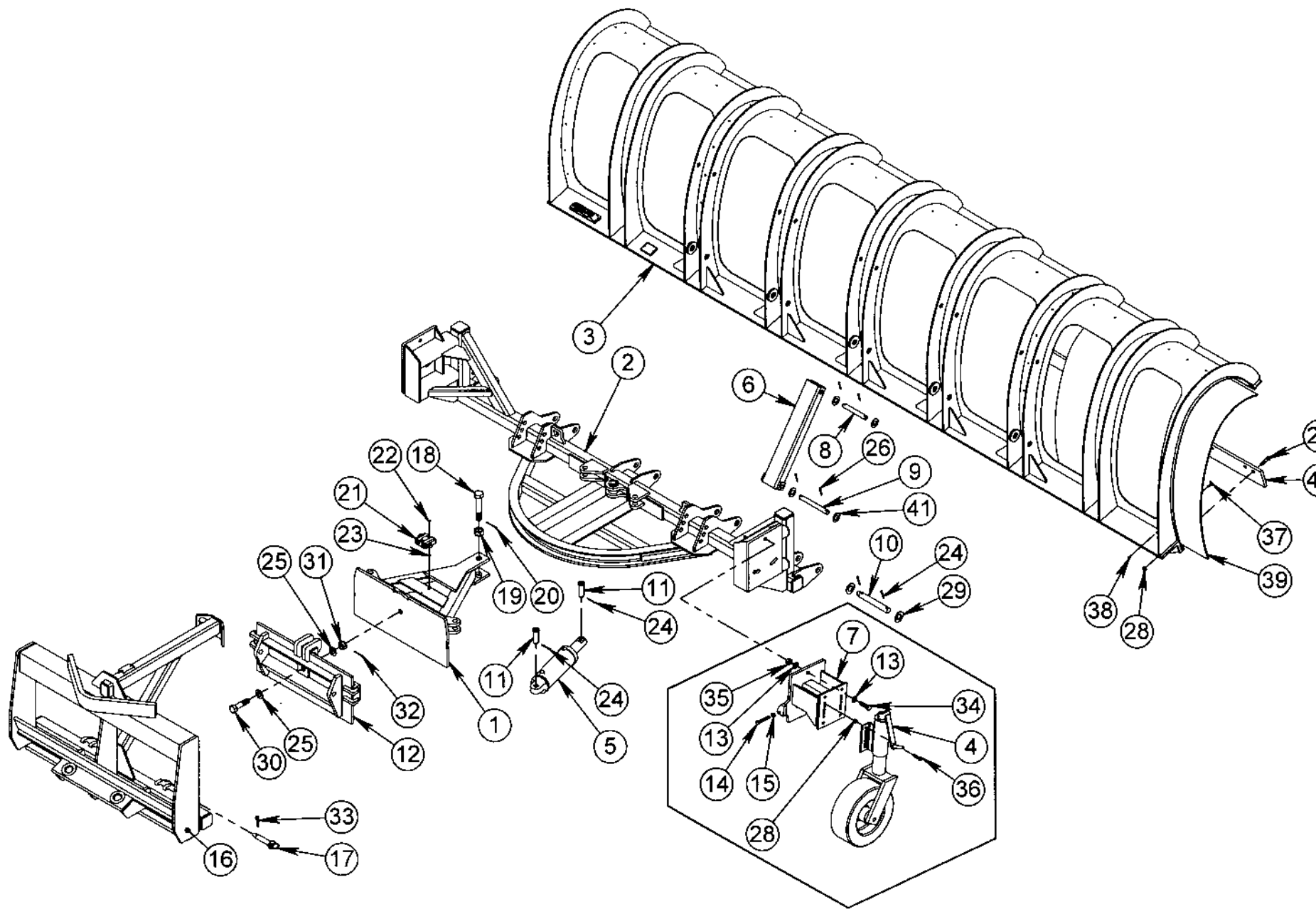
## **IN SEASON MAINTENANCE**

Snow removal equipment must be cared for and maintained regularly. Daily or pre-route inspection and maintenance are necessary. Failure to do so may affect efficiency and safety.

A visual inspection must be carried out after every 8 hours of operation. Look for damaged components, bends, cracked welds or hydraulic leaks. **REPAIR IMMEDIATELY!** It is recommended to re-torque all bolts after the first 8 hours of use and to regularly check for loosened or missing fasteners. Replace any damaged or missing fasteners immediately.

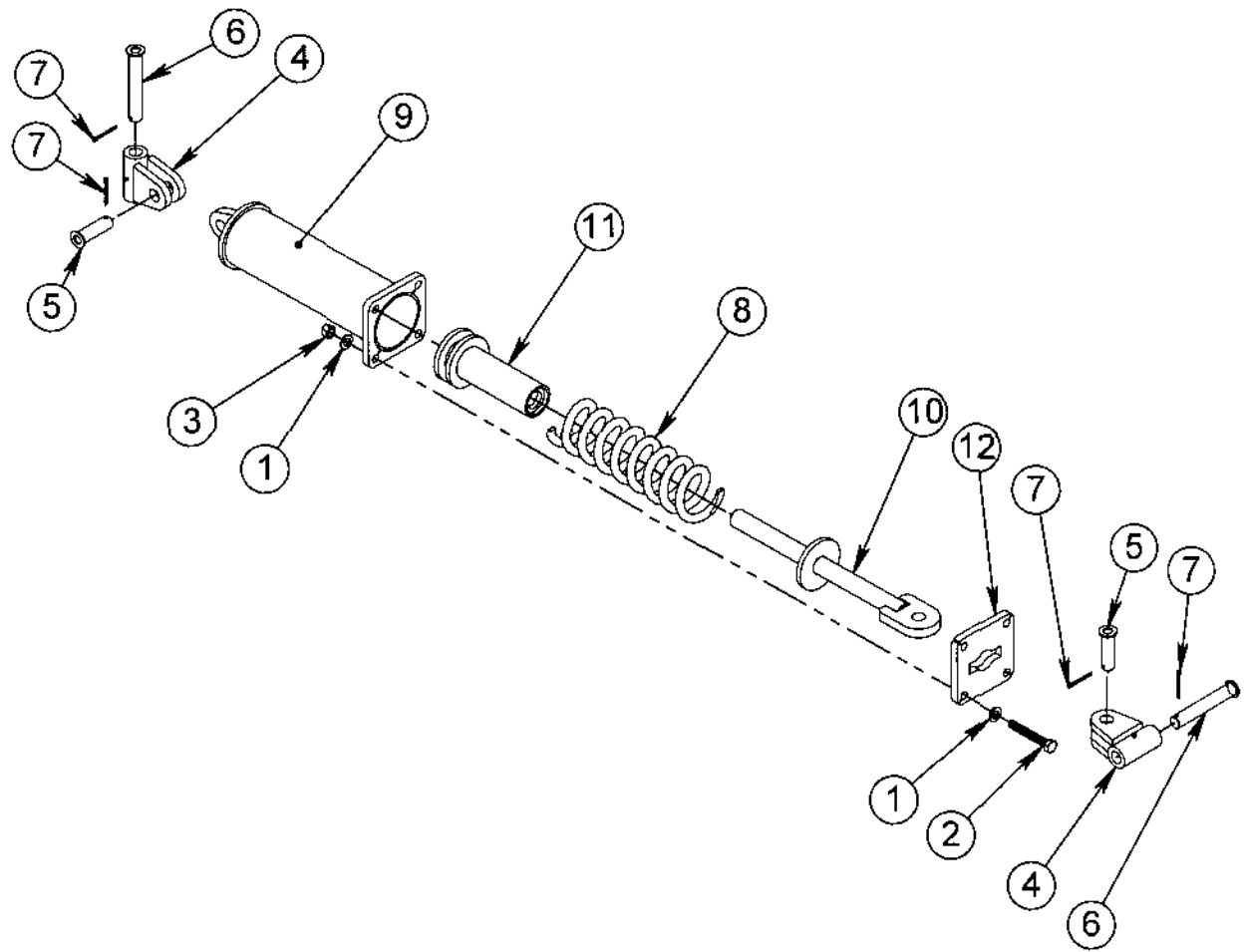
Because of the environment in which snow equipment is expected to operate, hydraulic lines, fasteners, wearable or replaceable items and warning decals may become damaged by snow, ice and road debris. These items must be inspected daily and replaced if necessary to avoid equipment damage or personal injury.

Lubrication of moving parts is of the utmost importance. Exposure to snow, ice, salt and road debris will wash away lubrication quickly and it may be necessary to inspect and reapply lubrication more than once a day.



<b>ITEM No.</b>	<b>QTY.</b>	<b>PART No.</b>	<b>DESCRIPTION</b>
1	1	3400-A0086	A-Frame Assy
2	1	3400-A0098	Circle Pushframe Assy (CPF)
3	1	VARIES	Moldboard Assy (MD)
4	2	7140084	Running Gear Assy
5	2	7080806	Hydraulic Cylinder, 4.5 x 11 x 2.5
6	2	3400-A0090	Stabilizer Bar Assy (SB)
7	2	3400-A0096	Running Gear Mounting Assy
8	2	3400-0322	Pin, SB/MD
9	2	3400-0323	Pin, SB/CPF
10	5	3400-0324	Pin, CPF/MD
11	4	2300-A0270	Pin Assy
12	1	3400-A0101	Swivel Plate Assy for Loader Adapters (Note: Some APR's have different swivel plates)
13	12	7040010	Flat Washer, 7/8 Heat Treated, SAE
14	4	7020276	Hex Capscrew, 5/8-11 x 4 Gr. 5 Full Thread
15	4	7030010	Nut, 5/8-11 Gr. 8
16	1	VARIES	Loader Adapter (ACS 2000 shown; numerous types available)
17	2	1300-A0021	Pin Assy
18	1	2100-0591	Drilled Bolt
19	1	7030024	Slotted Nut, 1 1/2-6 Gr. 2
20	1	7050001	Cotter Pin, 1/4 x 3
21	1	7080133	Cushion Relief Valve, 2500 psi
22	2	7020024	Hex Capscrew, 5/16-18 x 3 Gr. 2
23	2	7030086	Nylock Nut, 5/16-18 Gr. 2
24	14	7050099	Cotter Pin, 1/4 x 2.5
25	2	7040014	Flat Washer, 1 1/4 Heat Treated, SAE
26	8	7050094	Cotter Pin, 5/16 x 2.5
27	VARIES	7150002	Plow Bolt, 5/8-11 x 3 Gr. 8
28	VARIES	7030084	Toplock Nut, 5/8-11 Gr. C
29	10	7040024	Flat Washer, 1 1/2 Heat Treated, SAE
30	1	1300-0372	Swivel Bolt
31	1	7030023	Slotted Nut, 1 1/4-7 Gr. 2
32	1	7050043	Cotter Pin, 3/16 x 2 1/2
33	2	7050081	Hair Pin, #8, .177 x 3.75
34	6	7020092	Hex Capscrew, 7/8-9 x 2.75 Gr. 8
35	6	7030092	Nut, 7/8-9 Gr. 8
36	8	7020060	Hex Capscrew, 5/8-11 x 2 Gr. 8
37	VARIES	7020232	Elevator Bolt, 3/8-16 x 1 1/2
38	VARIES	7030006	Nylock Nut, 3/8-16 Gr. 2
39	VARIES	VARIES	Poly Moldboard Sheet
40	VARIES	VARIES	Cutting Edge
41	8	7040050	Flat Washer, 1 1/8 USS

# Henke APR50 Airport Reversible Plow Optional Center Lift Device



ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	8	7040007	Flat Washer, 3/4 Heat Treated, SAE
2	4	7020311	Hex Capscrew, 3/4-10 x 5 Gr. 8
3	4	7030030	Toplock Nut, 3/4-10 Gr. C
4	2	2100-A0449	Ear Assy
5	2	2300-A0270	Pin Assy - Short
6	2	3400-A0116	Pin Assy - Long
7	4	7050099	Cotter Pin, 1/4 x 2.50
8	1	7070067	Compression Spring
9	1	3400-A0112	Outer Tube Assy
10	1	3400-A0113	Shaft Assy
11	1	3400-A0115	Inner Retainer Assy
12	1	3400-0380	Cap Plate

## **Henke Standard Warranty Policy**

Henke Manufacturing Corporation(HMC) warrants its products against defects in material and workmanship for a period of 12 months from date of delivery.

HMC, at its option will repair or replace any parts or components found to be defective in materials or workmanship.

Defects will be determined through photos provided by dealer or user, or through physical inspection of returned parts. Parts are to be returned freight prepaid when requested to HMC, labeled with a returned goods authorization number.

Authorization for warranty repair will be faxed to the reporting dealer, and will include labor hours that HMC agrees to credit the dealer, and the Return Goods Authorization Number, if applicable. Credit amounts for agreed labor hours will not exceed 70% of dealer shop selling rate. Mileage, travel time, overtime, or any incidental costs will not be included in warranty consideration. Credits will apply to current or future business with HMC.

This warranty does not include normal wear items such as cutting edges, wear guards, scarifier teeth, etc. Repairs required as a result of misapplication, accidental damage, improper maintenance, improper installation, or negligence are also not covered by warranty.

HMC warranty for any purchased components, such as hydraulic cylinders will be superceded by, and equal to the component manufacturer warranty.

SELLER IS NOT, UNDER ANY CIRCUMSTANCE, LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES. SELLER EXPRESSLY DISCLAIMS AND EXCLUDES ALL IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

# DEALER WARRANTY PROCEDURE

**For units delivered within the past 12 months, report any warranty problems needing repair to our Product support department. Have information ready regarding:**

1. Henke unit model and serial number,
2. Model of equipment Henke unit is attached to (prime mover)
3. Description of the problem and any helpful information by the end user. (Photos are always helpful).

Measurements or photos may be requested by Henke engineering for any issues regarding prime mover proximity and clearance, or any other unique considerations of fit and adaptability. These may be necessary for a proper repair recommendation and procedure.

Henke will respond with a written labor hour allowance for Henke participation on a faxed claim form and will ship any required replacement parts. If necessary, a repair procedure will be included on the claim form. A parts invoice will be generated to confirm shipment of the replacement parts.

If defective parts are needed for analysis, Henke will request their return. Any such returned items are to be labeled with the **claim number** and returned to:

**Henke Manufacturing Corp**  
**ATTN:Product support**  
**3070 Wilson Av**  
**Leavenworth, Ks. 66048**  
**RGA#\_\_\_\_\_**

The dealer should perform repairs as agreed on a dealer warranty repair order. Return the claim form with a copy of the dealer warranty repair order and service report. Credit as agreed will be issued to the dealer upon receipt of the dealer warranty repair order invoice (Pro-forma invoice), and upon receipt, inspection and warranty confirmation of the returned parts if any.

## **Parts & Service Assistance**

Parts and service assistance is available between the hours of **8:00 AM and 5:00 PM**, Central time, Monday through Friday. **Call 913-682-9000.**

Our web site, **[www.henkemfg.com](http://www.henkemfg.com)**, is a quick source for parts pricing and many common parts diagrams

Parts purchase orders may be faxed in at any time to **913-682-0300**. Faxed orders are encouraged, as they help insure order accuracy and follow up. Include any special instructions, such as drop ship addresses on your order.