KASCO MANUFACTURING CO., INC.

THE VERSA-DRILL

3-POINT MOUNTED NO-TILL DRILL;

ATV-PULL TYPE DRILLS

Models KVGT-489, KVGT-728, KVGA-489

170 West 600 North

Shelbyville, Indiana 46176

800.458.9129

www.kascomfg.com

THANK YOU!

You have invested in the best implement of its type on the market today.

The care you give your Kasco equipment will greatly determine your satisfaction with its performance and its service life. We urge a careful study of this manual to provide you with a thorough understanding of your new implement before operating, as well as suggestions for operation and maintenance.

If your manual should become lost or destroyed, Kasco will be glad to provide you with a new copy. Please call us at 1-800-458-9129, or visit our website for an downloadable copy.

Because Kasco maintains an ongoing program of product improvement, we reserve the right to make improvements in design or changes in specifications without incurring any obligation to install them on units previously sold.

RETAIL CUSTOMER'S RESPONSIBILITY

It is the Retail Customer and/or Operator's responsibility to read the Operator's Manual, to operate, maintain and store the product in accordance with all instructions and safety procedures. Failure of the operator to read the Operator's Manual is a misuse of this equipment.

It is the Retail Customer and/or Operator's responsibility to inspect the product and to have any part(s) repaired or replaced when continued operation would cause damage or excessive wear to the other parts or cause a safety hazard.

It is the Retail Customer and/or Operator's responsibility to contact Kasco immediately for any warranty claims. Claims for warranty consideration must be made within seven (7) days of failure.

It is the Retail Customer and/or Operator's responsibility for any cost incurred by the dealer for traveling to or hauling of the product for the purpose of performing a warranty obligation or inspection.

LIMITED WARRANTY

Kasco Mfg. Co., Inc. warrants all its products against defects in material and workmanship for one year after date of retail purchase, except those components not manufactured by Kasco, as those parts are warranted only to the extent of the original manufacturer's warranty.

Should any part manufactured by Kasco prove defective within one year from date of retail purchase, supposed defective part shall be returned freight paid to Kasco for consideration. If found to be defective by Kasco, credit will be issued through the proper channels, distributor and/or dealer.

Kasco will not assume liability for any labor costs, loss or damage caused by a defective part, consequential damages, or operational delays.

Altering or misuse of a part will void this warranty. Repairing a part without the expressed permission of Kasco voids this warranty.

Kasco neither assumes nor authorizes any person to assume for Kasco any other obligations or liability in connection with the sale of its equipment

Kasco reserves the right to make improvements in design or changes in specifications at any time without incurring any obligations to owners of equipment previously sold.

IMPORTANT SAFETY PRECAUTIONS

This symbol is used to call attention to safety precautions that should be followed by the operator to avoid accidents. When you see this symbol, carefully read the message that follows and heed its advice. Failure to comply with safety precautions could result in serious bodily injury.

Safety of the operator is one of the main concerns in designing and developing a piece of equipment. This product was designed by Kasco with as many safety features as possible. However, every year many accidents occur which could have been avoided by a few seconds of thought and a more careful approach to handling equipment. You, the operator, can avoid many accidents by observing the following precautions in this section. To avoid personal injury, study the following precautions and insist those working with you, and for you, follow them.

1. Read the Operator's Manual. Failure to read the Operator's Manual is considered a misuse of this equipment.
2. Become familiar with all the machine's controls and all the caution, warning, and danger decals affixed to the machine before attempting to start or operate.
3. Before starting or operating the machine, make a walk around inspection and check for obvious defects such as loose mounting bolts and damaged components. Correct any deficiency before starting.
4. Do not allow children to operate the implement. Do not allow adults to operate it without proper instruction.
5. Do not carry passengers.
6. Keep the area of operation clear of all persons, particularly small children and pets. The operator should cease operation whenever anyone comes within the area.
7. Lower the implement to the ground, stop tractor engine, and apply parking brake before leaving the vehicle.
8. Keep hands and feet away from implement.
9. Wear personal protective equipment such as, but not limited to, protection for eyes, ears, feet, hands, and head when operating or repairing the equipment. Do not wear loose clothing or jewelry that may catch on equipment's moving parts.
10. When performing adjustments or maintenance on the implement, first lower it to the ground or block it securely at a workable height.
11. Never stand between the tractor and implement when the tractor is being backed to the hitch.
12. Reduce speed when transporting implement to avoid bouncing and momentary loss of steering.
13. Use tractor flashing warning lights, day or night, when transporting implement on road or highways unless prohibited by law.
14. Use a rollover protective structure and seat belt equipped tractor for all implement operations.

ALWAYS HEED ALL CAUTION AND DANGER WARNINGS.

INTRODUCTION AND DESCRIPTION

Introduction:

We are pleased to have you as a Kasco customer. We have engineering your Versa-Drill to provide our customers with the best performance with the least maintenance and down-time possible. Please read this manual completely and understand the operation of the Versa-Drill before using. Observe and obey all safety precautions noted. If you need any information, please contact us at 1-800-458-9129.

Description:

The Kasco Versa-Drill is intended for planting in no-till or min-till conditions, in an environment relatively clear of rocks and debris. Every Versa-Drill is equipped with a chain guard covering the drive-chain. This chain guard must be in place for proper use.

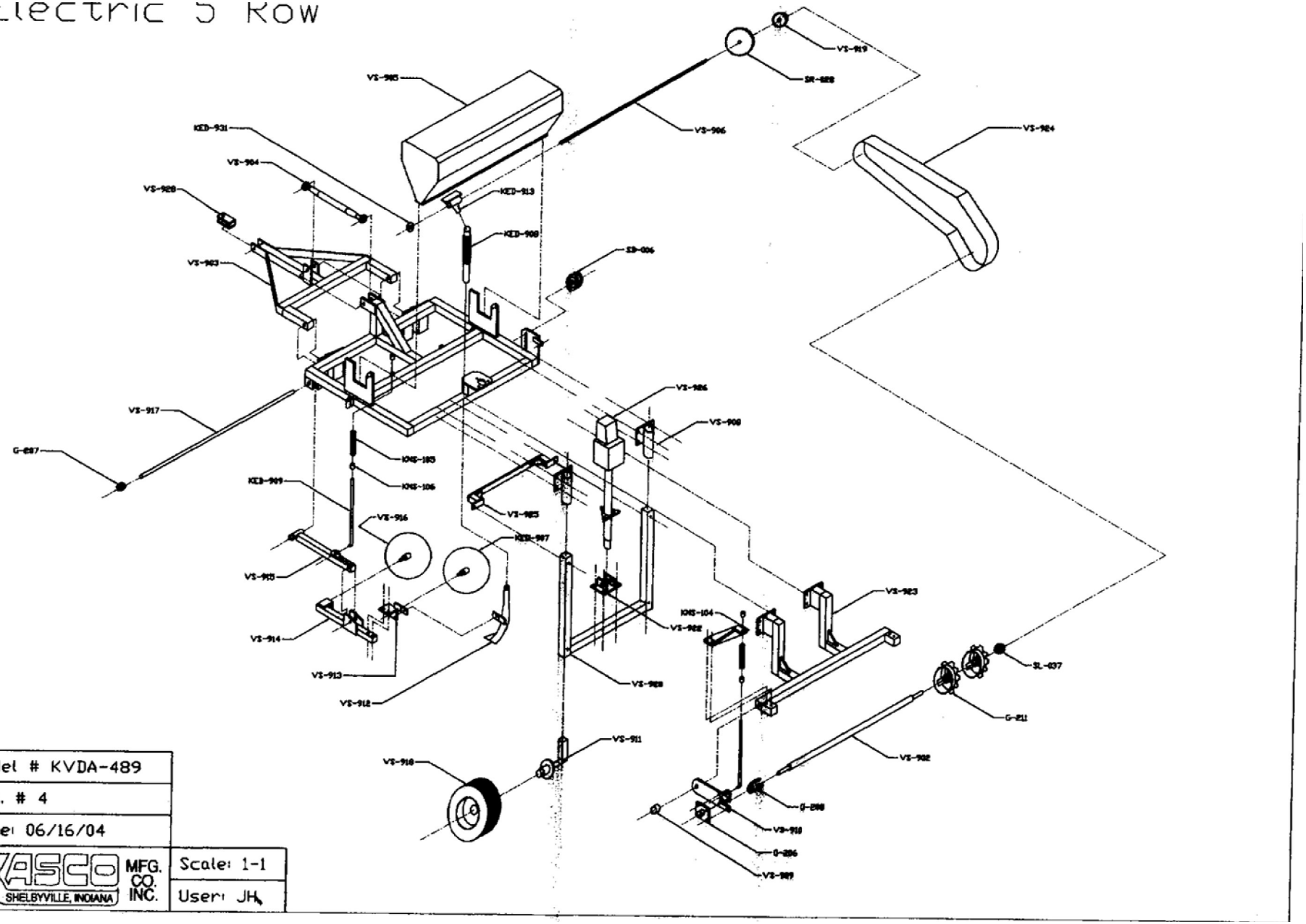
PREPARATION FOR USE

WARNING: To avoid serious injury or death, never stand between tractor and drill/ seeder while tractor is being backed to hitch.

WARNING: To avoid serious injury or death, additional tractor front ballast may be needed for stable operation and transport of the drill/seeder. See tractor operator's manual for recommended weights.

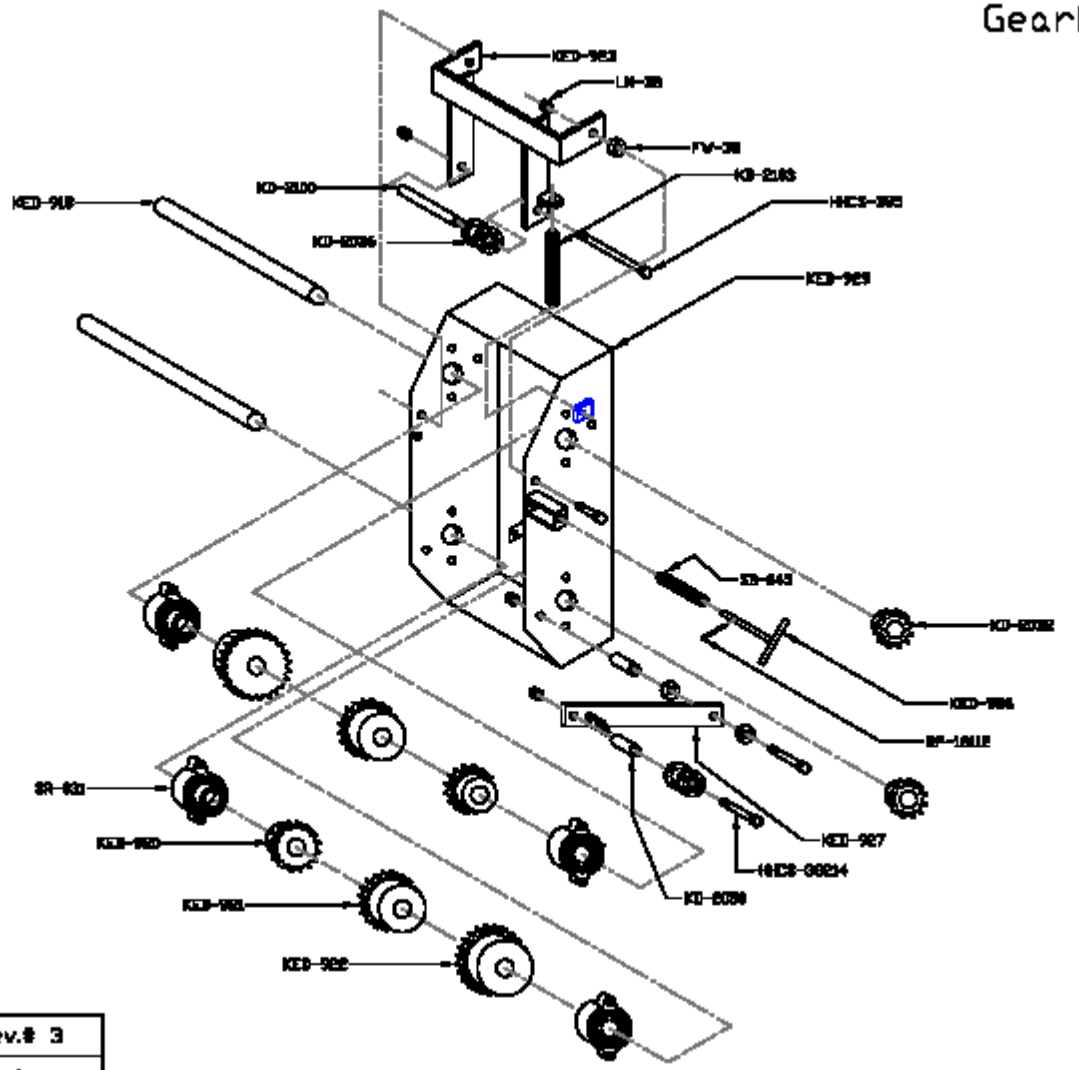
1) Carefully and thoroughly read this owners manual.
2) Attach the Versa-Drill to the tractor you will be using.
3) Adjust the top link until the frame of the Versa-Drill is level.
4) Select what seed type you want to plant.
5) Examine the seed chart to determine the required setting for your selected seed type.
6) Set the drive chain in the gearbox. (Refer to illustration).
7) Loosen wing-nut locking seed meter handle. Pull handle to appropriate opening width (tape gauge is located on the side of the hopper). Tighten handle wing-nut to lock into place.
8) Set the depth control (Refer to illustration).
9) After setting the machine, make a trial pass to ensure the machine is working correctly.

Electric 5 Row



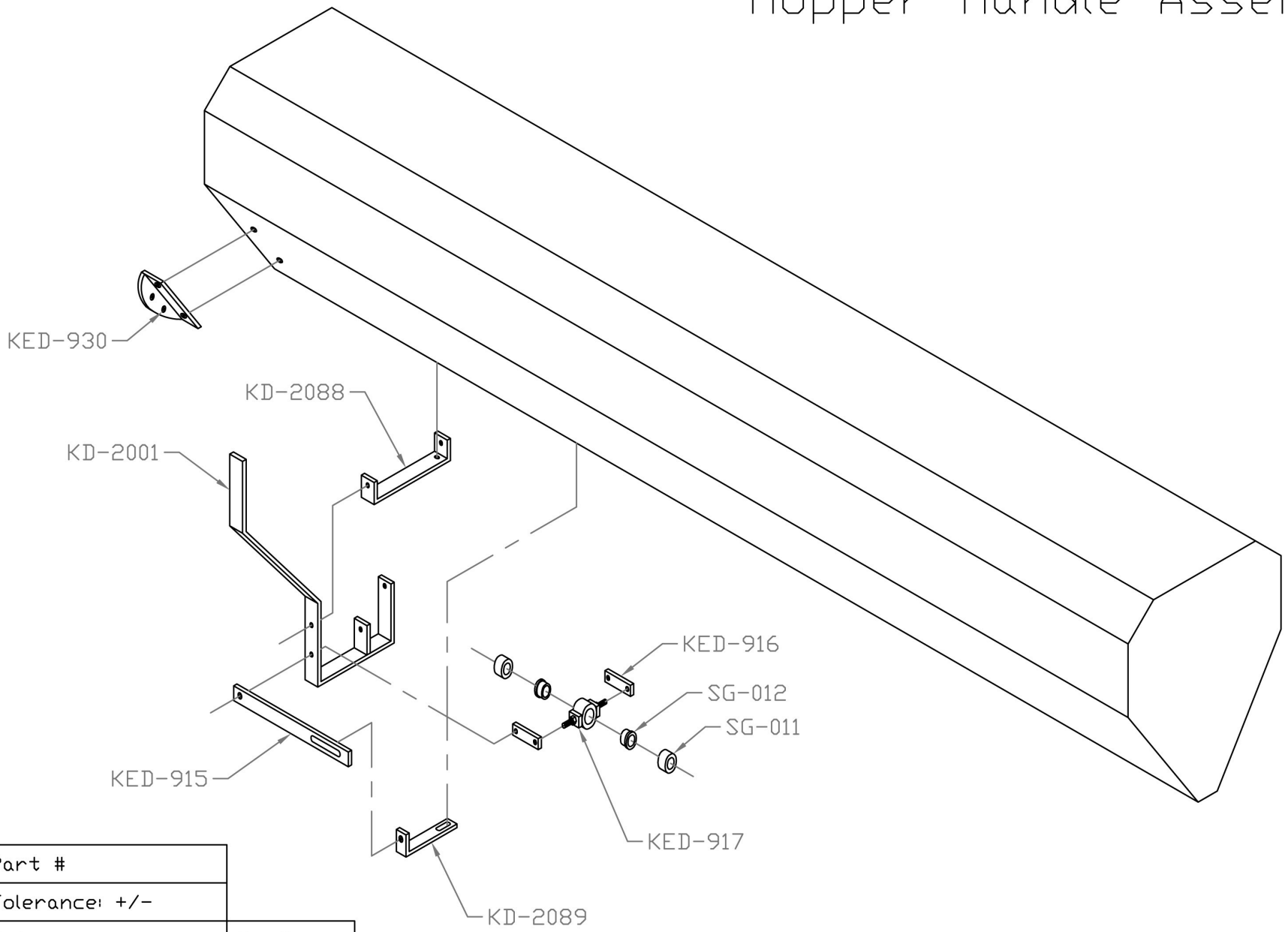
Model # KVDA-489	
Rev. # 4	
Date: 06/16/04	
KASCO MFG. CO. INC. SHELBYVILLE, INDIANA	Scale: 1-1
	User: JH

Gearbox



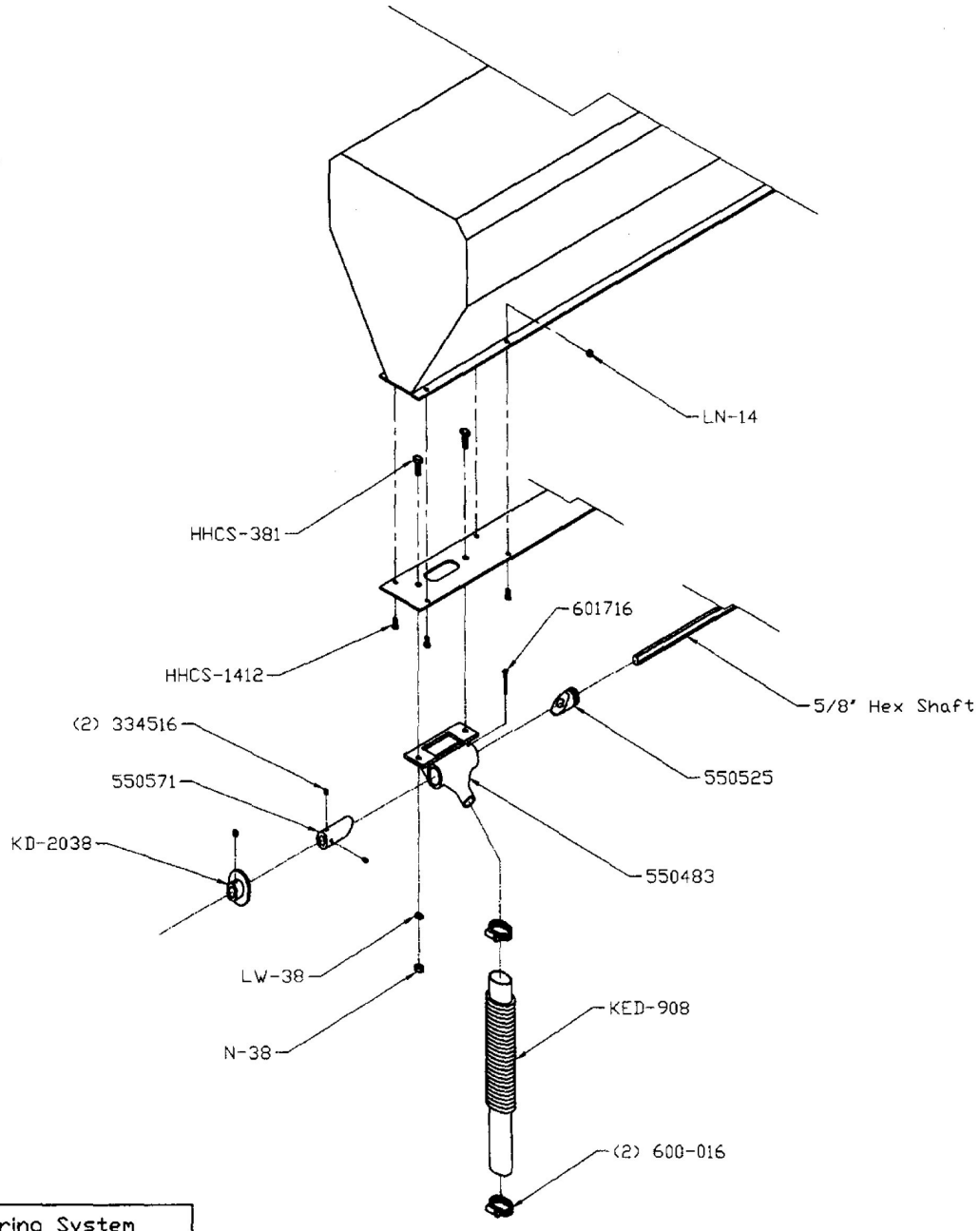
Part #	
Tolerance: +/-	
Date: 7/15/13	Rev.# 3
KASCO MFG. CO. INC.	Scale:
	User:JH

Hopper Handle Assembly



Part #	
Tolerance: +/-	
Date:	Rev.#
KASCO MFG. CO. INC. SHELBYVILLE, INDIANA	Scale:
	User:

METER SYSTEM



Metering System	
Tolerance: +/-	
Date: 04/22/05	Rev.# 1
KASCO MFG. CO. INC. SHELBYVILLE, INDIANA	Scale: 1-1
	User: JH

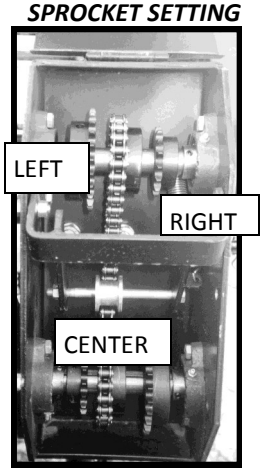
SEED CHART - VERSA-DRILL

Crop	Seeding Rate lbs/ acre	Gear Setting	Seed Drop Setting
Alfalfa	15-20	center	1/8"
Bermuda Grass, Common	10-20	center	1/16"
Birdsfoot Trefoil	8-10	Left	3/32"
Blue Grass	60-100	left	5/8"
Buckwheat	45-60	center	1/2"
Clover, Red	8-12	Left	1/8"
Clover, Sweet	10-13	Left	1/8"
Illinois Bundleflower	2-3	Left	1/16"
Millet, Brown Top	30-50	center	3/8"
Milo (grain sorghum)	10-25	Left	1/4"
Oats	65-95	right	5/8"
Orchardgrass	10-12	center	1/4"
Partridge Peas	10-15	center	1/8"
Peas, Austrian Winter	90-120	right	5/8"
Rye Grass	80-110	center	9/16"
Rye, Grain	80-110	center	9/16"
Switchgrass	8-14	left	1/8"
Timothy	8-12	center	1/8"
Turf Grass Mix	60-100	left	5/8"
Turnips	3-4	left	3/32"
Wheat	120-180	center	11/16"
Crop	**Seeding Rate Spacing**	**Gear Setting**	**Seed Drop Setting**
Corn	6" - 7"	right	1/2"
Soybeans	3" - 4"	right	9/16"
Sunflowers	4" - 5"	left	7/16"

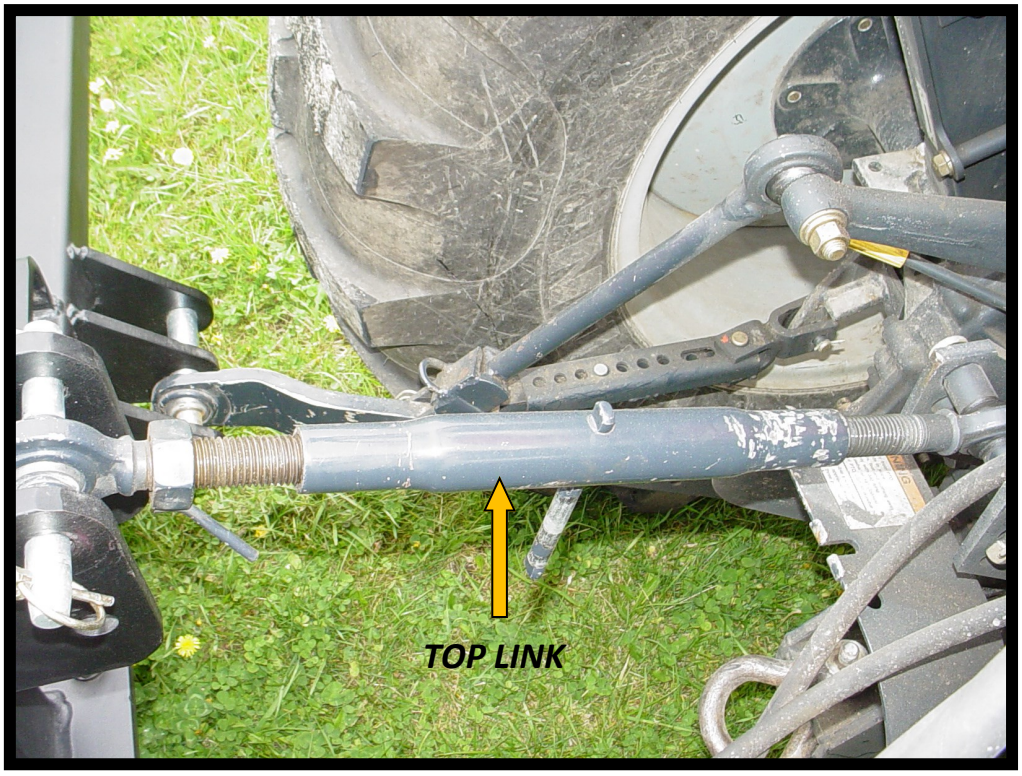
NOTE: This seeding chart is to be used as a guide only. Desired seeding rate (pounds/acre) may vary according to application and geographic location.

NOTE: Recommended seeding rate is for pure stand; rates will be reduced in seed mixes.

SPROCKET SETTING



DEPTH CONTROL



Depth Control is determined by One Measurement

The front slicing disc can be adjusted by the top link. Shortening the top link will put more depth and pressure on to the slicing discs; lengthening the top link will remove depth and pressure from the slicing discs.

Metering System Calibration Calculations

Every attempt has been made to provide settings for the most common seeds which are used in the Drill. However, it is understood that other seed types and/or seeding rates may be desired depending upon the usage of the implement. Below is the metering system calibration sequence:

Steps for Calibration of Seed Metering System

Block all but one seed drop inside the seed hopper.

Note: Capture Seed from (1) Metering System Only – Otherwise Conversion Calculations Below Will Be Affected and an Inaccurate Result Will Occur.

2. Place a Small Cup or Plastic Bag or Other Container Directly under the drop shoot to Collect the Seed as it is Metered from the Hopper.

3. Fill the Seed Hopper with a Small Amount of the Seed Type to be calibrated – The Seed can be placed over the Metering System on the Left Side to Reduce Seed Dropped on the Ground.

4. Using the Provided Seed Rate Chart – Set the Metering System to the Approximate Desired Settings.

Note: Use the Seed Chart to Judge Seed Size and lbs/acre to find Starting Settings.

5. Raise the Drill off the Ground.

CAUTION: Use Stands or Jacks to Block the Frame of the Drill To Prevent Serious Crushing Injury!!!

6. Rotate the Culti-Packer 20 Revolutions – As the Culti-Packer Wheels are Rotating, Seed will Meter from the Hopper. Ensure that Seed Completely Covers the Metering System in the Hopper During the 20 Rotations for Accurate Results. For drills with seed metering drive wheel rotate the drive tire 13 ½ revolutions.

7. Weigh the Captured Seed in "Grams".

8. Multiply the Seed Weight (in Grams) by 3.2013 to find Seeding Rate in lbs/acre.

9. Adjust the Metering System Opening and Repeat Steps 6 – 8, if Rate needs to be Re-Adjusted.

Please call Kasco Mfg. Co. Inc. at 1-800-458-9129 if there are any questions or concerns during the calibration of the Drill.