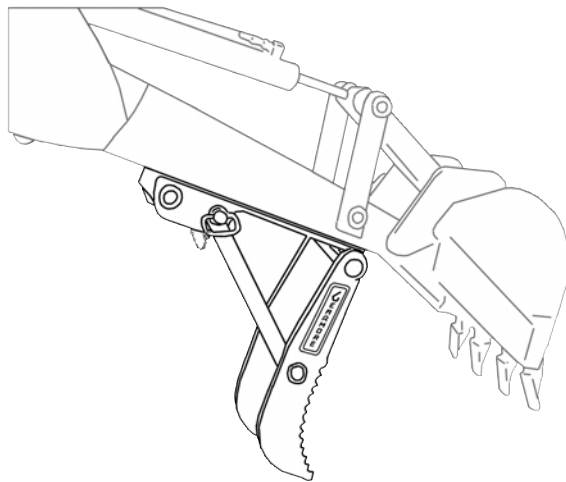




ADJUSTABLE THUMB



**Assembly, Operation
& Parts Manual For
Models GAT-50,
GAT-100, GAT-200
& GAT-300**

March 2004

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Date of Purchase: _____

Model: _____

Serial Number: _____

INTRODUCTION

We welcome you as an owner of a Gearmore Adjustable Thumb. Please read the following instructions and refer to them when required:

The Adjustable Thumb is designed to increase the productivity and versatility of your backhoe or mini-excavator. Ideal for landscapers and contractors. Dig and load with the same machine. This rugged built thumb fits many 3-point and subframe backhoes, skid-steer backhoes and mini-excavators. Designed to do a wide range of material handling jobs such as: land clearing, demolition work, brush removal and pipe placement. The thumb is also handy for loading and unloading of rocks, railroad ties, etc. A qualified welder must complete the installation.

SPECIFICATIONS:

	<u>GAT-50</u>	<u>GAT-100</u>	<u>GAT-200</u>	<u>GAT-300</u>
For buckets measuring from pivot pin to end of teeth:	Up to 17"	18" to 22"	24" to 29"	35" to 44"
Base Mounting Plate:	3 1/2" x 19"	4" x 18"	5" x 21"	7" x 38"
Thumb Width:	4 3/4"	5 1/2"	7 1/2"	12"
Weight:	45#	60#	110#	280#

Specifications Subject to Change Without Notice



CAUTION: WHEN LIFTING HEAVY OBJECTS, NEVER EXCEED THE LIFT CAPACITY OF THE BACKHOE OR MINI-EXCAVATOR

GAT-50 & 100 MOUNTING INSTRUCTIONS

FOR COMPACT 3-POINT BACKHOES AND SMALLER MINI-EXCAVATORS.
(GAT-50 WORKS BEST ON BUCKETS THAT MEASURE UP TO 17" (GAT-100 UP TO 22")
FROM PIVOT PIN TO THE END OF BUCKET TEETH)

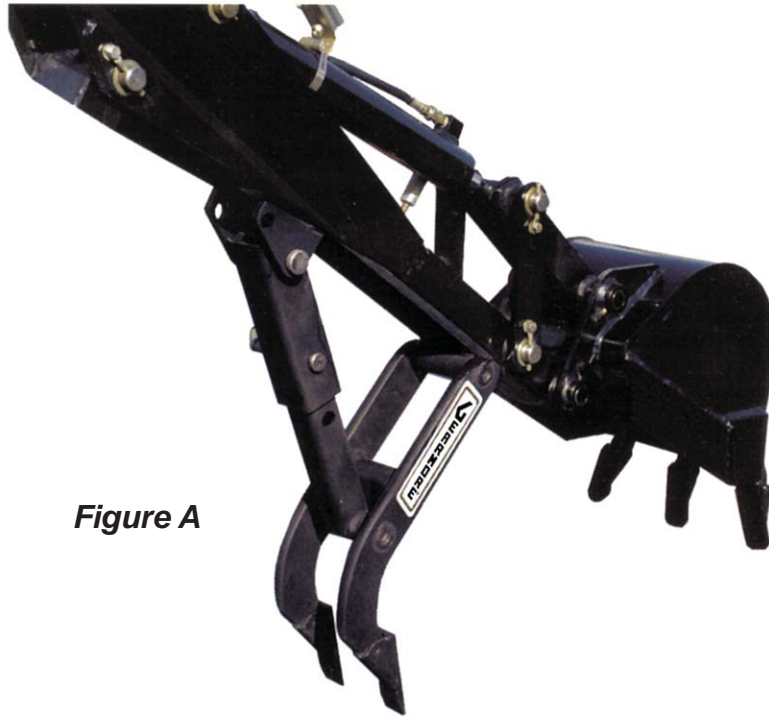


Figure A

The Universal Thumb is shipped to you in the storage position (folded flat). Remove the base mounting pin (1" x 4 1/2") and the adjustment pin (3/4" x 4 1/2") from the outer telescoping tube and move the thumb claws into the most forward position and reinsert the pins. Secure these pins with the hairpin clips provided. The claws should be almost perpendicular to the base (See Figure A). Curl the bucket to a position perpendicular to the dipperstick (not pictured) so that the claws and bucket teeth are aligned with one another. Make sure the thumb base plate is mounted flush (flat) to the dipperstick surface. It may be necessary to shim the thumb base plate as some dippersticks have a weld seam that could interfere with mounting. Clamp the thumb into place and weld to the dipperstick only along the two 18" sides of the thumb base. **DO NOT WELD ACROSS THE 4" BASE ENDS.**

A qualified and certified welder must complete the installation.



CAUTION: WHEN LIFTING HEAVY OBJECTS, NEVER EXCEED THE LIFT CAPACITY OF THE BACKHOE OR MINI-EXCAVATOR

GAT-200 MOUNTING INSTRUCTIONS

FOR 3-POINT AND SUBFRAME BACKHOES, SKID-STEER BACKHOES AND MINI-EXCAVATORS.
(WORKS BEST ON BUCKETS THAT MEASURE 24" TO 28" FROM PIVOT PIN TO THE END OF BUCKET TEETH)



Figure A

The Universal Thumb is shipped to you in the storage position (folded flat). Remove the adjustment pin (1 1/4" x 7") from the end of the support rod and the storage pin (1/2" x 8 1/2") from the side of the thumb claws and move the claws into the most forward position and reinsert the adjustment pin (1 1/4" x 7"). Secure the adjustment pin with the lynch pin provided. The claws should be almost perpendicular to the base (see figure A). Next, curl the bucket to a position perpendicular to the dipperstick (not pictured) so that the claws and bucket teeth are aligned with one another. Make sure the thumb base plate is mounted flush (flat) to the dipperstick surface. It may be necessary to shim the thumb base plate as some dippersticks have a weld seam that could interfere with mounting. Clamp the thumb into place and weld to the dipperstick only along the two 21" sides of the thumb base. **DO NOT WELD ACROSS THE 5" BASE ENDS.**

A qualified and certified welder must complete the installation.

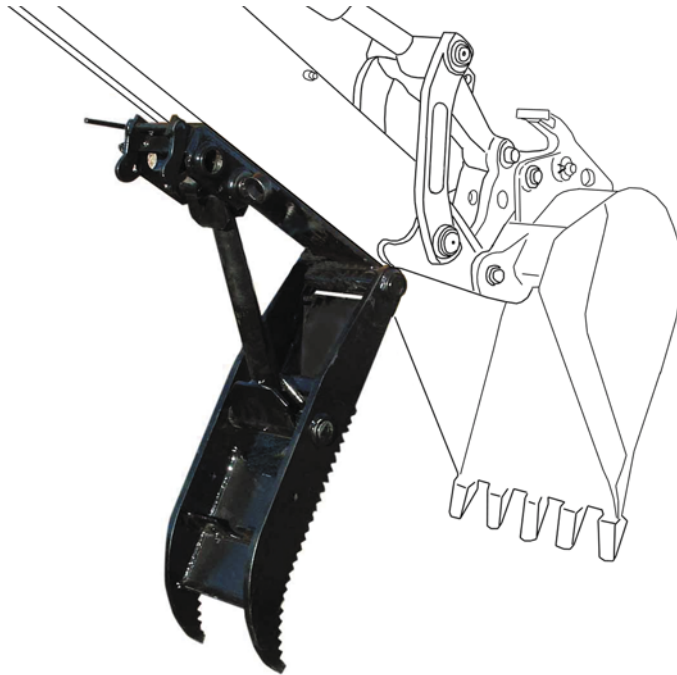


CAUTION: WHEN LIFTING HEAVY OBJECTS, NEVER EXCEED THE LIFT CAPACITY OF THE BACKHOE OR MINI-EXCAVATOR

GAT-300 MOUNTING INSTRUCTIONS

FOR COMMERCIAL BACKHOE LOADERS

(WORKS BEST ON BUCKETS THAT MEASURE 35" TO 42" FROM PIVOT PIN TO THE END OF BUCKET TEETH)



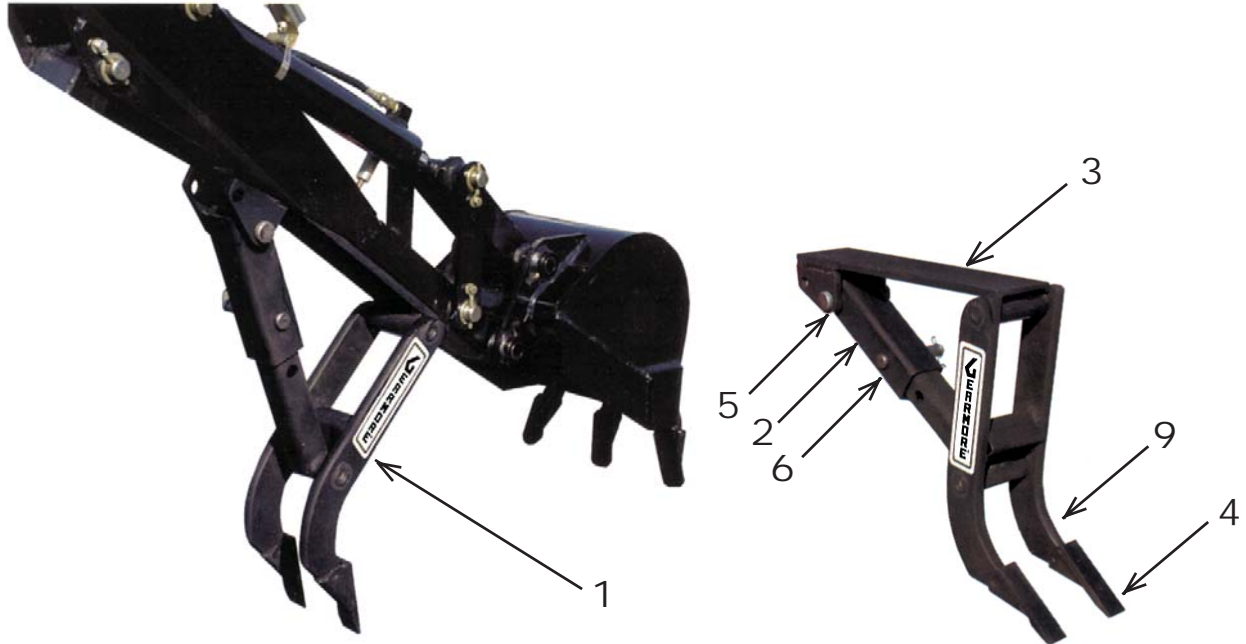
The Universal Rigid Thumb is shipped to you in the storage position (folded flat). Remove the adjustment pin (2" x 9 1/2") from the end of the support rod and the storage bolt (5/8" x 3 1/2") from the side of the thumb claw and unlock the thumb by raising up the handle of the spring loaded locking mechanism. Position the claws into the most forward position and reinsert the adjustment pin (2" x 9 1/2"). Secure the adjustment pin with the lock pin provided. The claws should be almost perpendicular to the dipperstick (not pictured) so that the claws and bucket teeth are aligned with one another. Make sure the thumb base plate is mounted flush (flat) to the dipperstick surface. Clamp the thumb into place and weld to the dipperstick only along the two 30" sides of the thumb base. **DO NOT WELD ACROSS THE BASE ENDS.**

A qualified and certified welder must complete the installation.



CAUTION: WHEN HANDLING HEAVY OBJECTS, NEVER EXCEED THE LIFT CAPACITY OF THE BACKHOE

GAT-100 PARTS LIST



<u>REF. #</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	2001	Thumb Weldment
2	2100	Thumb Tube
3	2200	Thumb Base
4	162470	Point
5	3000	Pin 1"
6	3010	Pin 3/4"
7	4000	Lock Ring 1"
8	4010	Lock Ring 3/4"
9	M-10519B	Shank Only

LIMITED WARRANTY



GEARMORE, INC., warrants each new Gearmore product to be free from defects in material and workmanship for a period of twelve (12) months from date of purchase to the original purchaser. This warranty shall not apply to implements or parts that have been subject to misuse, negligence, accident, or that have been altered in any way.

Our obligation shall be limited to repairing or replacement of any part, provided that such part is returned within thirty (30) days from date of failure to Gearmore through the dealer from whom the purchase was made, transportation charges prepaid.

This warranty shall not be interpreted to render us liable for injury or damages of any kind or nature, direct, consequential or contingent, to person or property. This warranty does not extend to loss of crops, loss because of delay in harvesting or any other expenses, for any other reasons.

Gearmore in no way warranties engines, tires, or other trade accessories, since these items are warranted separately by these respective manufacturers.

Gearmore reserves the right to make improvements in design or changes in specification at any time, without incurring any obligations to owners or units previously sold.

GEARMORE, INC.
13477 Benson Ave.
Chino, CA 91710

Always refer to and heed machine operating warning decals on machine.

The serial number of this product is stored in our computer database, thus submitting a warranty registration card is not required.