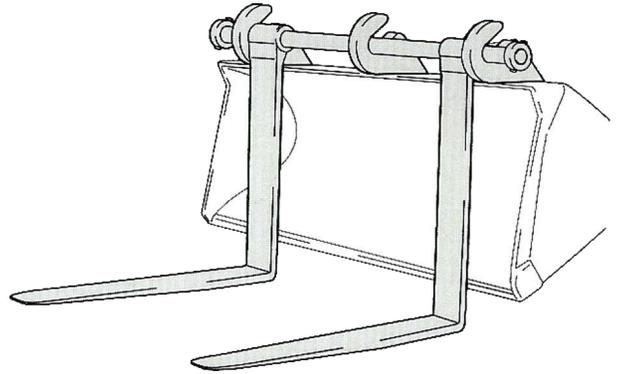


4101 Garland Dr., Fort Worth, TX 76117
 Phone 817.485.6073 Fax 817.428.6008
 www.starindustries.com

Skid-Steer OVER THE BUCKET FORKS

Operator's Manual for Models LBA170 / LBA180



BEFORE USE, READ AND UNDERSTAND THE COMPLETE OPERATOR'S MANUAL.

ADD THE CONVENIENCE OF A FORKLIFT TO YOUR LOADER

- » Take Forks ON & OFF
- » without leaving the operator's seat.
- » Roll bucket forward
- » Engage free-standing forks with brackets
- » Roll bucket back to level forks

FULLY FORGED FORKS JUST LIKE THE ONES ON YOUR FORKLIFT (these are not forks built from two pieces of steel welded together that require a gusset to keep them from coming apart).

BIG 2" DIAMETER SOLID STEEL SHAFT 80" long. Same size shaft as used on 6,000 and 8,000 lb forklifts.

HEAVY DUTY 3/4" PLATE STEEL BRACKETS Brackets are built from thicker plate so only 3 are required (more than 3 restricts side to side adjustment of forks).

DON'T BUY A LITE-DUTY SET OF FORKS AND BEND THEM IN THE FIRST MONTH OF USE. STAR OVER-THE-BUCKET FORKS ARE BUILT STRONGER TO LAST. TAKE A LOOK AT OUR SPECS AND DON'T ACCEPT ANYTHING LESS.

Operator's Manual also available online.

BEFORE USE, READ AND UNDERSTAND THE COMPLETE OPERATOR'S MANUAL.

If you need clarification or any additional information call your Star dealer or call Star Industries @ 1-800-541-1797 during normal business hours.

Customers Who Bought this product also bought

 <p>Safety Work Platforms - Turn your forklift into an aerial work platform</p>	 <p>Lift Hooks - Lift up to 22,000 lbs safely and securely</p>	 <p>Concrete Hoppers - Turns your forklift into a concrete placer.</p>
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Visit www.Starindustries.com or call us at 800-541-1797 for more information on these and other great products.

Installation:

Before use, the three universal fit “Weld-On Brackets” must be installed. In preparation, roll the loader bucket forward so the bottom leading edge and the top front edge of the bucket are in vertical alignment.

The bucket cutting edge should be close to the floor. Measure the vertical bucket opening. Then measure the back of the forks from the bottom of the fork to the center of the collar. The fork back dimension should be at least 6" greater than the bucket opening. If this dimension is less, then forks with taller backs are required.

Set the forks on the floor spaced about 4 feet apart with the fork backs contacting the top front edge and bottom leading edge of the bucket. The forks should be roughly centered in front of the bucket. Remove one end-collar from the fork shaft and slide the shaft into the fork collars positioning the shaft so it is centered on the bucket. The shaft collar should then be replaced.

Position one bracket in the center of the bucket if possible. In some cases a center hydraulic cylinder will prevent this and the bracket will have to be set to one side or the other - this is acceptable but the bracket should be kept as close to the center as practical. The other two brackets should be positioned a few inches inside the shaft collars to make it easy to engage the shaft to install the forks. Position the brackets on top of the bucket so that the shaft fits into the forward end of the slot in the brackets and square the brackets to the bucket. It may be necessary to raise or lower the bucket vertically so the shaft aligns properly in the bracket. The bottom of the forks must hang down below the bottom cutting edge. This may be only one or two or may be several inches depending on the bucket opening.

WARRANTY PROCEDURE:

Upon notification, Star Industries will determine if the product will need to be returned to Star Industries. Where An inspection or repair will take place. Or the Star Dealer, or other entity, can be authorized to make the inspection/repair at their location, or if circumstances dictate other solutions. Dealer or other entity repairs **must have prior written authorization**. Reimbursement will be at the current “Star Warranty Labor Rate” and will not include reimbursement for offsite travel. A Warranty Claim Form must be submitted within 45 days of warranty repair authorization to receive credit for repair.

A return authorization number must be obtained from Star Industries before a product can be returned for inspection and/or warranty and that number must appear on the return shipping label. Upon inspection, Star Industries will determine if the product is defective and if so, whether it will be repaired or replaced. Repair or replacement is at the discretion of Star Industries. Transportation charges to Star Industries are not covered under the warranty and must be prepaid by dealer or customer unless it is within the first two years of warranty. In which case, if evidence acceptable to Star Industries, is provided that the product is defective and the return is from within the continental United States or Canada, Star will arrange for return shipment at Star Industries expense. Products found to be defective within the initial two year period and returned to Star Industries for repair or replacement will be returned to the dealer or customer freight prepaid providing it is within the continental United States or Canada. Warranted products to be shipped outside the United States or Canada and those warranted after the initial 2 years will be shipped freight collect. Unwarrantable products will be returned freight collect at the request of the dealer or customer, otherwise they will be destroyed.

LIMITATION OF DAMAGES:

Star’s obligation under this warranty shall not include costs of installation, duty, taxes or any other charges whatsoever or any liability for direct, indirect, incidental or consequential damages or delay. Star’s liability for any and all losses and damage to purchaser resulting from any cause whatsoever, including negligence or breach of form of warranty, express or implied by Star, alleged damage for defective goods, irrespective of whether such defects are discoverable or latent, shall in no event exceed the purchase price of the particular goods. Products repaired or replaced under this warranty are warranted only for the remainder of the original warranty. Any improper use including operation after discovery of defective or worn parts not approved by Star or any alteration or repair by others in such manner as in Star’s judgment affects the product materially and adversely shall void this warranty.

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES (WHETHER WRITTEN, ORAL OR IMPLIED) INCLUDING WARRANTIES OF MERCHANTABILITY AND WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

Star Industries Limited Warranty

Star Products are warranted to the original purchaser against defective workmanship and/or materials (when properly installed, used, and maintained) for a period as specified below from date of delivery to the customer by an authorized Star Dealer or direct from Star Industries. This warranty does not cover misuse, abuse, normal wear and tear, or accidental damage.

- 5 year Warranty:** All Star products except as noted below. (Includes HD Auger Drives & most non-hydraulic products)
- 2 year Warranty:** Medium Duty Auger Drives
- 1 year Warranty:** Auger Bits and Auger Accessories (excludes auger drives), Crane Forks, Grapples, Angle Broom, Self Dumping Hoppers, Replacement Forks, and Over the Bucket Forks
- 6 month Warranty:** Concrete Mixers

WARRANTY CLAIM NOTIFICATION:

Product defects should be reported to the Star dealer from whom the product was purchased or to Star Industries in writing promptly after discovery. Preferably photographs showing the defect should also be provided along with a written report of circumstances involved. Warranty claims not made within 30 days after discovery of the defect shall be null and void.

WARRANTY DETERMINATION:

If a warranty claim is found worthy and made within the warranty period we reserve the right at our discretion to repair existing defects or to replace it with the same or current model free of charge or to issue a credit for the reasonable cost of repair or take possession of the equipment and issue reimbursement for the calculated value.

The brackets are a universal fit bracket and depending on how the top of the bucket is designed they may hang off the back a good distance. The back portion can be cut off with a torch or left in tact so that the tail provides a convenient hook point for straps, chains, or slings. The brackets can also be notched to set down over the top of the bucket if desired, but be sure to keep brackets level and the shaft slots aligned. The brackets should be welded into position by a qualified welder using proper welding procedures. Welds should be continuous around where the bracket contacts bucket top. Three passes are recommended resulting in a minimum of a 1/2" fillet. Be sure the paint has been removed in area to be welded. The forks can now be removed or installed from the operator's seat simply by rolling the bucket forward to engage or disengage the bar from the brackets. The forks are free standing in an upright position with the shaft installed when they are off the loader.

Rated Load Capacities:

The rated load capacities for Star Over-the-Bucket Fork assemblies as shown in the chart below are based on a 24" load center and are for the pair. Be aware that these capacity ratings are for the fork assemblies only and do not in any way reflect the safe lift capacity of the loader when equipped with the forks. Furthermore, be aware that when using the forks, the load center is moved farther out and consequently the lift capacity of the loader is diminished significantly. Caution should be taken not to exceed the lift capabilities of the loader. Consult with the loader manufacturer to determine revised load capacities for the specific loader make and model when using over-the-bucket forks.

Safety Precautions:

- » When Loader is idle with forks installed always lower forks to ground.
- » Never allow personnel to stand under forks or in an area where material falling from forks could be a hazard.
- » Be careful not to exceed lift capabilities of loader – load capacity with forks is significantly less than with the bucket because the load center is moved out when using the forks.
- » Always carry load low.
- » Watch to make sure load stays intact when elevating or transporting.
- » Never pick up load with the tips of the forks.
- » Before use check to make sure the shaft retaining collars are properly secured.
- » Review loader operator's manual and observe any additional required safety requirements and/or restrictions when using over-the bucket forks.
- » Observe all relative federal, state, local, and company safety standards.



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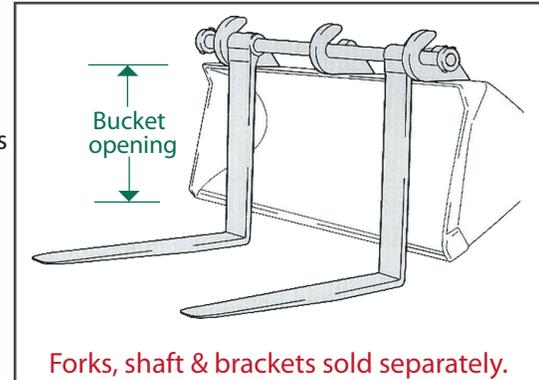
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HEAVY DUTY ¾" PLATE STEEL BRACKETS Brackets are built from thicker plate so only 3 are required (more than 3 restricts side to side adjustment of forks).



**Shaft, brackets & forks
SOLD SEPARATELY.**

**We guarantee
you will be
pleased with
these forks.**

MODEL (Shaft only)	Description			Weight
LBA170-02	2" dia. by 80" long solid steel shaft with retainers			70 lbs.
MODEL (Brackets only)	Description			Weight
LBA170B	Set of 3 (¾" plate steel, weld-on) Brackets			40 lbs.
MODEL (Forks only)	Fits Vertical Bkt Openings	Fork Description	Rated Capacity	Weight
LBA170	up to 42"	(set of 2) 1½" x 4" x 42"	5,500 lbs.	325 lbs.
LBA180	up to 54"	(set of 2) 1¾" x 4" x 48"	6,900 lbs.	408 lbs.
* Please specify exact measurement of vertical bucket opening.				