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**Preface**

Read and understand all sections of this manual prior to installing or operating the TruckCraft dump bed. This manual contains information for the installation, operation, and maintenance of the TruckCraft TC-100 dump bed. Proper care and operation of the unit will assure years of dependable service. Your local TruckCraft Dealer will instruct you in its general operation. TruckCraft Corporation will be glad to answer any questions that may arise regarding the operation of your dump bed.

**Ordering Repair Parts**

When service is necessary, your local TruckCraft dealer can provide assistance. Always obtain original TruckCraft replacement parts from your dealer. Substitute items could affect the performance and warranty of the unit. If you cannot locate a dealer near you, contact TruckCraft Corporation. When ordering parts the dump bed serial number and description or part number of parts needed are required. **The serial number is located on front plate (behind the cab) of the dumper weldment on the drivers side.**

Dumper Serial Number: _____________________________

Date of Purchase: _______________________________

Purchased From: ________________________________

TruckCraft Telephone #800.375.3867 or 717.375.2900
TruckCraft Fax #717.375.2975
Method of shipping parts to be specified such as customer pickup, DHL, Common Carrier, Parcel Post or Air Freight. All orders to be confirmed in writing, or faxed, to insure proper understanding of request.
Having preventative maintenance parts on hand could save valuable time.

**Improvements and Changes**

Because TruckCraft strives to continually improve our products, we preserve the right to make changes and improvements wherever practical, without obligation to make those same changes or improvements to the equipment already sold. Photographs used in this manual may not be up-to-date with current design changes.
Safety Information

Observe the following safety procedures during the use of the dumper: Before operating read and understand all information furnished with your dumper and in this manual.

- Keep hands, feet and clothing away from moving parts.
- Never exceed the structural capacity (6,200 lbs.) of the dumper. Structural capacity means the maximum weight the dumper will carry and dump with an acceptable margin of safety. This does not mean that your truck can carry 6,200 lbs.
- Never exceed the manufacturer’s GVWR (Gross Vehicle Weight Rating) of your truck. This rating can usually be found on the end of the driver’s door just above or below the latch.
- Never exceed the truck axle and tire ratings.
- Always keep as much of the load as possible forward of the rear axle and evenly distributed from side to side.
- Never work under a raised body unless the body is supported by blocking or propped in the raised position. Always unload the body prior to using the prop.
- Operate the dumper only when the truck is on a firm, level surface.
- Always inspect the area around the truck for safe dumping prior to operating.
- Do not move the truck with the deck in a raised position.
- Never let the dumper sit with the bed raised when not in use.
- Always open the tailgate prior to raising the dumper when it is loaded.
- Store the remote control in a location that assures that no object can come in contact with the raise button unintentionally.
- Before raising the dumper, check for adequate overhead clearance. Be alert for overhead electrical wires.
- Regularly check and tighten all fasteners to the recommended torque values in the Torque Chart shown below.
- Maximum hydraulic pressure is factory set. Tampering with this setting will void the warranty and can damage hydraulic components and result in system failure.
- Do not attempt to repair this dumper yourself unless you have experience working on dump beds and are familiar with the hazards involved. For safety, take your dumper to the dealer from which it was purchased for all repairs and service.

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<th>Size</th>
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<td>5/8-11</td>
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<td>3/4-10</td>
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FIGURE 1
Mounting & Operation Instructions

**CAUTION:** Verify any lifting and support devices used can support the Dumper before picking up the assembly.

1. **WARNING:** Do not install the dump bed on a pickup bed liner. Bed liners have corrugated floors and prevent a solid installation.
2. Make sure the pickup truck is on level ground.
3. Remove the tailgate from the pickup truck.
4. Drill a 5/8” Diameter hole down through the pickup bed floor 1-1/2” forward of the rear edge and on the center line of the bed. See hole “A” on Figure #2 on page 4.
5. Insert the dumper into the pickup bed allowing approximately 18” of space at the front.
6. Attach a jumper cable to the dumper and to the frame of the truck for a temporary ground.
7. Cut and remove the shipping strap (if any) at the front of the dumper and temporarily hook the loose end of the power cable to the positive terminal of the truck battery.
8. Slide the dumper into the approximate mounting location.
9. While making sure everybody is standing clear, raise the dumper high enough to engage the safety prop. Use the up and down buttons on the remote control to raise and lower the dumper (See figure #3). Lower the dumper while holding the prop in a position so that it engages the prop pocket on the frame and is supporting the full weight of the dumper.

**CAUTION:** Do not work under the dumper without having the safety prop properly positioned (See figure #4).
Plan View of Pickup Bed
Figure 2
10. Align mounting hole “A” at the rear of the truck with the hole in the dumper base frame. From mounting kit L7-00614 insert the 5/8 diameter x 4” long bolt through the hole (See figure #5). Install the 2” x 4” plate with 5/8” nut and washer provided under the pickup and fasten lightly.

11. Center the bed from side to side at the front.

12. From under the truck determine if hole “B” on figure 2 is accessible from the underside of the truck.

If it is: Drill a 5/8” hole through the pickup bed floor and through the cross member on the under side at location “B”. This hole must align with the slot between the angles on the dumper base frame. On some trucks there will already be a hole in the cross member. Slide the 4” x 4” plate provided between the angles at the front of the dumper base frame. Install the 5/8” dia. X 5.5” Long bolt through the plate, dumper base and truck bed and frame. Install the 2/1/2” x 4” plate, 5/8” nut and washer underneath the truck bed and tighten the nut (See figure #6).

If it is not: Drill a 1/2” dia. Hole in the left and right front corners of the pickup bed using the 1/2” holes in the corners of the aluminum base frame as guides. Drill all the way down through the cross members. From the top, install 1/2” x 5.5” long bolts through both holes. Install 1/2” nuts and washers on the bottom and tighten (See figure #6).
13. If the bolts provided are not the correct length for your particular pickup, you can purchase the correct bolts at most hardware and farm equipment stores. **CAUTION**: Use grade 5 bolts minimum.

14. With the correct bolts, washers, nuts and plates in plate, tighten to the torques specified in figure 1.

15. Route the pump power cables to the battery in such a way as to **avoid sharp edges and maintain a minimum distance of 8” from any portion of the exhaust system**. By routing the power cable along the side of the truck frame, you will give the cable maximum protection. Fasten the cable to the truck frame using the stay straps provided. These stay straps should be inserted through holes in the truck frame to secure the cable. Do not cross under of over the truck frame where the cable could get pinched or frayed due to rubbing.

16. The hydraulic pump reservoir has been filled at the factory. If more fluid is necessary use only Dextron Automatic Transmission Fluid. **CAUTION**: Do not overfill. Adding too much fluid will cause the reservoir to overflow when the bed is lowered. The best method of refilling the reservoir is to place the dumper on the safety prop. Remove the reservoir breather and insert a clean ruler or small measuring stick into the reservoir making sure it touches the bottom of the reservoir, not the pickup tube. Add fluid until the depth of fluid in the reservoir is 2” to 2-1/4”. Leave the breather off and fully lower the bed to the down position. The bed can then be raised and the breather reinstalled. The reason for leaving the breather off during the first cycle after filling is to guard against pressurizing the reservoir in the event that it has been overfilled. Back pressure due to overfilling may dislodge the reservoir from the pump. If measuring the fluid level is not possible, add 2-3 oz. of fluid at a time and raise the bed until the pump does not change sound (pump air) at the end of the stroke. Note: Adding too much fluid will result in the reservoir overflowing when the bed is lowered.

17. Install the remote control in the cab by making note of the wire colors and connection locations prior to disconnecting the remote cable from the power unit. Then route the end of the cable through the floor of the pickup cab behind the driver’s seat (preferably through a rubber plug in the floor). The cable should then be routed up the back of the cab, over the top front edge of the pickup box, and down to the power unit where it should be reconnected. Use a stay strap to secure the cable to the front of the dumper bottom frame to assure clearance when the dumper is raised and lowered.

18. The Insert Dumper has been designed for use with most pickup trucks with an 8’ bed. **Never exceed the manufacturer’s gross vehicle rating of the truck.** These ratings can usually be found on the end of door just above or below the latch on the driver’s side. Filling the bed with materials such as sand, stone, scrap steel, etc. could exceed the rating of the Dumper and would extremely overload the truck. Filling the bed without regard to the weight of the material being loaded can result in structural failure and injury. Never exceed the dumper and trucks maximum ratings.

Have questions? Call Toll Free   1-800-375-3867
Maintenance

1. Check the hydraulic fluid level. If additional fluid is required add Dextron Automatic Transmission Fluid. The fluid should not need to be changed unless it becomes contaminated from an outside source. To check the fluid level follow step #16 in the “Mounting and Operating Instructions”.

2. Lubricate the following locations every 3 to 6 months depending on use:
   - Rear dump body pivots (2 Places)
   - Hoist linkage (2 grease fittings)
   - Upper tilt cylinder pivot (Grease fitting)
   - Lower tilt cylinder pivot

3. Depending on frequency of use, check all bolts for proper tightness and torque.
TC-100 PROSTEEL INSERT DUMPER
DI-04112
TC-120 SHORTBED MODEL
DI-04141

Note: Parts list shown is for DI-04112. On DI-04141 Shortbed inserts make the following substitutions:
Item #1 use D3-04253 Box Weldment
Item #11 use D3-04255 Base Frame Weldment

Figure 7
I6-01433
L7-00614
TC-100 Pro/TC-120 Ultra

Mounting kit Parts List

(1) Battery Insulator Boot - P4-00681
(10) Tie Straps - P4-00394
(for attaching battery cable to truck frame).

(1) 2" x 4" Mounting Plate - B4-00331
(for under the pickup bed at hole "A").

(1) 2-1/2" x 4" Mounting Plate - B4-00330
(for under the pickup bed at hole "B").

(1) 4" x 4" Mounting Plate - B4-00329
(for top side over slot in aluminum base frame, hole "B").

(1) 5/8" x 4" Grade 5 Hex Head Cap Screw, P4-00588, with Washers, P4-00593, and Nut, P4-00591
(for hole "A" at rear of body).

(1) 5/8" x 5-1/2" Grade 5 Hex Head Cap Screw, P4-00589, with Washers, P4-00593, and Nut, P4-00591
(for hole "B" at front center of body).

(2) 1/2" x 5-1/2" Grade 5 Hex Head Cap Screws, P4-00594, with Washers, P4-00592, and Nuts, P4-00590
(for use in the left front and right front holes if hole "B" is not accessible).
Assembly/Installation for TC-100 Cab Protector P/N D2-04026
Issued 8/2/2007

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### Installation:
1. Assemble the cab protector as shown.
2. Align cab protector with existing holes in the dumper. Bolt cab protector in place using existing fasteners provided.
B2-00636
TC-100 Pro/TC-120 Ultra
Tarp Kit (Option)

INSTALLATION INSTRUCTIONS

1. Remove knock-outs (Steel cab guard) for roller shaft to pass through cab guard.

2. Slide 1 nylon bearing onto tarp crank, bearing flange facing away from crank handle.

3. Insert tarp roller shaft end through the passenger side hole in the cab guard.

4. Slide crank through hole in cab guard on driver’s side and into the tarp roller.

5. Slide 2nd bearing on to protruding shaft end with flange against cab guard.

6. Drill cab guard 4 places (Steel cab guard) using the holes in the bearing flanges as a template, and attach the bearings using the fasteners provided.

7. Drive roll pin through hole in crank shaft to secure shaft to cab guard.
8. Unfold tarp and stretch narrow width across crank shaft, lining up grommets along shaft.

9. Use radiator clamps, opening them up and wrapping them around crank shaft, and threading them through the tarp, one per grommet, to attach the tarp to the shaft. Keep tarp taught from side to side.

10. Slide batten board through looped end of tarp until board is centered in tarp. In center of the board, in the narrow side, (at the very end of tarp), drill a 3/16" hole into the edge of the board about 3/8" deep. Using the supplied eye screw, start it in the drilled hole and turn until tight.

11. Attach supplied rope to eye bolt and wind tarp onto crank shaft.
## B2-00636
### TC-100 Pro/TC120 Ultra Tarp Kit
*(Option)*

**Parts List**

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<td>4</td>
<td>1/4&quot; - 20 NC Nuts</td>
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See above Installation Manual for complete installation instructions on the TC-130 D-ICER.
WARRANTY

TRUCKCRAFT CORPORATION WARRANTS EACH TC-100 & TC-120 ULTRA TO BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHP FOR A PERIOD OF THREE YEARS FROM THE DATE OF INITIAL SALE, LEASE, RENTAL, OR OTHER DISPOSITION OF SUCH PRODUCT AND AGREES ONLY TO REPAIR OR REPLACE AT ITS OWN EXPENSE, F.O.B. THE PLACE OR PLACES OF MANUFACTURE, AT MANUFACTURER'S OPTION, ANY PART OR PARTS OF THE PRODUCT FOUND TO BE DEFECTIVE IN MATERIAL OR WORKMANSHP, PROVIDED MANUFACTURER IS NOTIFIED OF SUCH DEFECT OR DEFECTS WITHIN THE THREE YEAR WARRANTY PERIOD AND GIVEN A REASONABLE TIME TO CORRECT THE DEFECT. DEFECTS FOLLOWING OPERATION BEYOND RATED CAPACITY OR THE IMPROPER USE OR APPLICATION OF ANY PRODUCTS SHALL NOT BE CONSIDERED DEFECTS WITHIN THE SCOPE OF THE FOREGOING WARRANTY. NO CLAIMS FOR LABOR SHALL BE CONSIDERED UNLESS AUTHORIZED BY THE MANUFACTURER.

TruckCraft Corporation  5751 Molly Pitcher Hwy. S., Chambersburg, PA  17202  PRINTED IN U.S.A.  ©1995 TRUCKCRAFT CORP.
Dump Body Warranty Registration

To register your Warranty, please complete and forward this form within 30 days of purchase. Fax: 717-375-2975 or online @ www.truckcraft.com

Business or individual name:

Street:

City: State: Zip:

Date of purchase: Dealer:

Serial #: For location see Owners Manual

Model: □ TC-100 □ TC-120 □ TC-300 □ TC-400

Additional information which will help us improve our products.

What type of business or organization purchased this equipment:

☐ Municipality / Parks ☐ Landscape / Lawn Care / Nursery
☐ Property Management ☐ School / College / University
☐ Cemetery ☐ Farm / Ranch
☐ Personal use ☐ Golf Course
☐ Construction ☐ Other

________________________________________

[Signature]