

# MINI SKID STEER CONCRETE MIXER BUCKET

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TORO35Cbucket

191621



## Operator's Manual



Read the Operator's Manual entirely. When you see this symbol, the subsequent instructions and warnings are serious follow without exception. Your life and the lives of others depend on it!

## TO THE OWNER

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### GENERAL COMMENTS

Thank you for purchasing from Titan Attachments. Your concrete mixer was carefully designed and manufactured to give you years of dependable service. Your concrete mixer will require some minor maintenance (such as cleaning and lubricating) to keep it in top working condition.

Be sure to observe all safety precautions and maintenance procedures as described in this manual.

### ABOUT THIS MANUAL

This manual has been designed to help you do a better and safer job. Read this manual carefully and become familiar with its contents. Remember, never let anyone operate this unit without reading the "Safety Precautions" and "Operation Instructions" sections of this manual. Unless noted otherwise, right, and left sides are determined from the position of the skid steer operator sitting in the seat facing forward.

### SERVICE

When servicing your concrete mixer, please remember to use only manufacturer replacement parts. Substituted parts should be purchased from Titan Attachments. To facilitate parts ordering, please record the model No. and serial No. of the metal plate on your unit and contact our customer service team.

## SAFETY PRECAUTIONS

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The concrete mixers are designed to be easy to use and maintain. They are operated by the skid steer auxiliary hydraulics. The concrete mixers mount to the toolbar or quick attach mechanism for easy mounting.

### BEFORE OPERATION

1. The operator must read the operation manual carefully before installation, operation, or maintenance. Improper operation will cause the machine to be damaged or injury.
2. Read all the safety signs and safety declarations. Obey all local laws when using this machine.
3. Be familiar with the concrete mixer functions, specs, and operation. Replace damaged parts immediately. Make sure all the hydraulic installations and couplings connect firmly.

### TO THE OPERATOR - WARNING! PROTECT AGAINST FLYING DEBRIS



Always wear proper safety glasses, goggles, or a face shield when driving pins in or out, or when any operation causes dust, flying debris, or any other hazardous material.

1. Don't modify the concrete mixer.
2. Should keep the machine on the flat ground when repairing.
3. Don't operate the machine, unless you are familiar with its functions, specs, and safety operation rules.
4. Do not leave the host machine unattended while the machine is running.

## IMPORTANT SAFETY INFORMATION

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### THESE ARE STANDARD PRACTICES THAT MAY NOT APPLY TO THE PRODUCTS DESCRIBED IN THIS MANUAL.

#### SAFETY AT ALL TIMES

Thoroughly read and understand the instructions given in this manual before operation. Refer to the "Safety Label" section, read all instructions noted on them. Do not allow anyone to operate this equipment who has not thoroughly read and comprehended this manual. Do not allow anyone who has not adequately trained in the safe operation of the equipment.

- The operator must not use drugs or alcohol as they can change the alertness or coordination of that person while operating equipment. The operator should, if taking over-the-counter drugs, seek medical advice on whether he/she can safely operate the equipment.
- Operate should be familiar with all functions of the unit.
- Make sure all guards and shields are in place and secured before operating the implement
- Keep all persons away from equipment and work area
- Start skid steer with steering levers and hydraulic controls in neutral.
- Operate implement and loader arms from the driver's seat only.
- Dismounting from a moving unit can cause serious injury or death.
- Do not allow anyone to stand between skid steer and implement while hooking-up to implement.
- Keep hands, feet, and clothing away from power-driven parts.
- Watch out for objects overhead and alongside such as fences buildings, wires, trees, limbs, etc., while transporting and operating attached implement.
- Detach and store implement in an area where children normally do not play. Secure implement by using blocks and supports.



#### LOOK FOR THE SAFETY ALERT SYMBOL

The **SAFETY ALERT SYMBOL** indicates a potential hazard to personal safety, and individuals must take safety precautions. When you see this symbol, be alert and carefully read the message that follows it. In addition to the design and configuration of equipment, hazard control and accident prevention depend on the awareness, concern, prudence, and proper training of personnel involved in the operation, transport, maintenance, and storage.

## **BE AWARE OF SAFETY ALERT WORDS**

**DANGER:** Indicates imminently hazardous practices. A situation that, if not avoided, will result in death or severe injury. The signal word is limited to the most extreme situation, typically for machine components that, for functional purposes, cannot be guarded.

**WARNING:** Indicates a potentially hazardous situation that, if not avoided, could result in death or severe injury, and includes hazards that are exposed when guards remove. Use warnings to alert against unsafe practices.

**CAUTION:** Indicates a potentially hazardous situation that may result in minor or moderate injury if not avoided. It may also be used to alert against unsafe practices.

## **FOR YOUR PROTECTION**

If there are safety labels thoroughly read and understand all instructions noted on them.

## **AVOID UNDERGROUND UTILITIES**

- Dig Safe - Always contact your local utility companies (electrical, telephone, gas, water, sewer, and others) before digging so that they may mark the location of any underground services in the area.
- Be sure to ask how close you can work to the marks they positioned.

## **SHUTDOWN AND STORAGE**

Before leaving operator's seat:

- Lower lift arms and put attachment flat on the ground
- Turn off engine and engage parking brake
- If included, raise seat bar and move controls until both locks.
- Remove key to prevent unauthorized starting.
- Use steps, grab-handles and anti-slip surfaces when getting on or off the loader.
- Detach and store implements in an area where children normally do not play. Secure implement by using blocks and supports.

## **USE SAFETY LIGHTS AND DEVICES**

- Slow-moving tractors, self-propelled equipment, and towed implements can create a hazard when driven on public roads. They are challenging to see, especially at night.
- Flashing warning lights and we recommend turn signals whenever driving on the public road.

## **TRANSPORT SAFELY**

- Comply with state and local laws
- Never travel at a rate that does not allow adequate control of steering and stopping. Some rough terrain requires a slower speed.
- Avoid contact with any overhead utility lines or electrically charged conductors.
- 'Always drive with load on end of loader arms low to the ground.
- Always drive straight up and down ramps with load on "uphill" side of skid steer.

- Engage parking brake when stopped on an incline.

**IMPORTANT:** Do not tow a load that is more than double the weight of the tractor.

- Use towing vehicle and trailer of adequate size and capacity. Secure equipment towed on trailer with tie downs and chains.
- Sudden braking can cause a towed trailer to swerve and upset. Reduce speed if towed trailer is not equipped with brakes.

### **PRACTICE SAFE MAINTENANCE**

- Understand procedure before doing work. Use proper tools and equipment, refer to Operator's Manual for additional information.
- Work in clean dry area.
- Lower attached implement to the ground and follow all shutdown procedures before leaving the operator's seat to perform maintenance.
- Allow implement to cool completely before working on it.
- Disconnect battery ground cable (-) before servicing or adjusting electrical systems or before welding on implement.
- Do not grease or oil implement while it is in operation.
- Inspect all parts. Make sure parts are in good condition and installed properly.
- Remove buildup of grease, oil, or debris
- Remove all tools and unused parts from implement before operation.

### **KEEP RIDERS OFF MACHINERY**

- Riders obstruct the operator's view; they could be struck by foreign objects or thrown from the machine.
- Never allow children to operate equipment.
- Practice Safe Maintenance
- Understand procedure before doing work. Use proper tools and equipment; refer to Operator's Manual for additional information.
- Work in a clean, dry area
- Lower the implement to the ground, put the tractor in park, turn off the engine, and remove the key before maintenance.
- Allow implement to cool completely.
- Do not grease or oil implement while it is in operation.
- Inspect all parts. Make sure details are in good condition and installed correctly.
- Remove the buildup of grease, oil, or debris.
- Remove all tools and unused parts from implementation before operation.

### **PREPARE FOR EMERGENCIES**

- Be prepared if a fire starts.
- Keep a first aid kit and fire extinguisher handy
- Keep emergency numbers for doctor, ambulance, hospital, and fire department near the phone.

## **WEAR PROTECTIVE EQUIPMENT**

- Wear protective clothing and equipment appropriate for the job. Avoid loose-fitting clothing.
- Prolonged exposure to loud noise can cause hearing impairment or hearing loss. Wear suitable hearing protection such as earmuffs or earplugs.
- Operating equipment safely requires the full attention of the operator. Avoid wearing radio headphones while operating machinery.

## **AVOID HIGH-PRESSURE FLUIDS HAZARD**

- Escaping fluid under pressure can penetrate the skin causing severe injury.
- Avoid the hazard by relieving pressure before disconnecting hydraulic lines or performing work on the system.
- Ensure all hydraulic fluid connections are tight and all hydraulic hoses and lines are in good condition before applying pressure to the system.
- Use a piece of paper or cardboard, NOT BODY PARTS, to check for suspected leaks.
- Wear protective gloves and safety glasses or goggles when working with hydraulic systems.
- If an accident occurs, see a doctor immediately. Remember, any fluid injected into the skin must be treated within a few hours, or gangrene may result.

## **TIRE SAFETY**

- Tire changing can be dangerous, and trained personnel should be the only ones using correct tools and equipment.
- When inflating tires, use a clip-on chuck and extension hose long enough to allow you to stand to one side and NOT in front of or over the tire assembly. Use a safety cage if available.
- When removing and installing wheels, use wheel handling equipment adequate for the weight involved.

## **USE SEAT BELT AND ROPS**

- Operate only skid steers equipped with a Roll-Overprotective Structure (ROPS) and seat belt.
- Fasten seat belt snugly and securely to help protect against serious injury or death from falling and skid steer overturn.
- Wearing protective equipment such as safety shoes, safety glasses, hard hat, and earplugs is highly recommended.

## OPERATION INSTRUCTIONS

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The concrete mixer has the lateral discharge hole with manual opening.

It can help to realize the quickness and high efficiency to discharge the material. Attach the concrete mixer to the toolbar or quick attach mechanism of your skid steer loader.

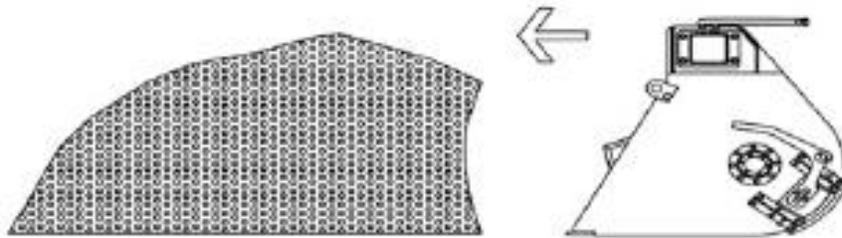
### RAISING OR LOWERING THE CONCRETE MIXER

Raise or lower the concrete mixer by raising or lowering the skid steer loader arms through their appropriate skid steer controls.

### OPERATION

The mixing shaft rotates around its axis generating a convective movement of the material, which is therefore perfectly mixed due to the special design of the auger flights. Connected through a chain drive, and orbital hydraulic motor transfers motion to the shaft. The material is constantly pushed toward the left side where it can be discharged through the lateral discharge hole with manual opening.

The capacity of mixing material is up to rated lifting capacity of the skid steer loader and the concrete weight per cubic meter.



### PAY ATTENTION TO THE FORBIDDEN ITEMS

- Mix the asphalt.
- Mix the material with a diameter over 20mm.
- Any kind of grinding activity.
- Use the mixer to dig, tow, pull or tear.
- Put hands inside the mixer or slide tools into the mixer during operation.
- Remove the protection of the grill.

## MAINTENANCE INSTRUCTIONS

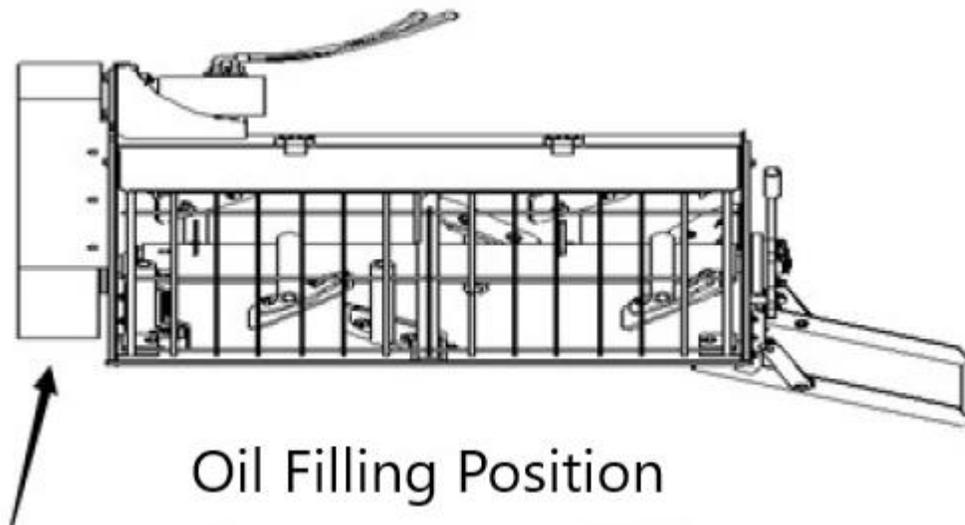
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1. Always keep hydraulic oil clean, keep the hose joint clean, if the hydraulic oil is mixed with dirt, it will possibly cause the whole operation system to operate abnormally.
2. Check daily that all hydraulic lines have good connection to implement and host machine. Also check for wear, cracking, and no loose joints are leaking.
3. Check daily that the concrete mixer oil is level.
4. Check daily that all parts of the machine are connected securely.
5. If the paint is damaged, repaint timely to prevent rust.
6. The gear chain should be lubricated every 3 months.

## STORAGE INSTRUCTIONS

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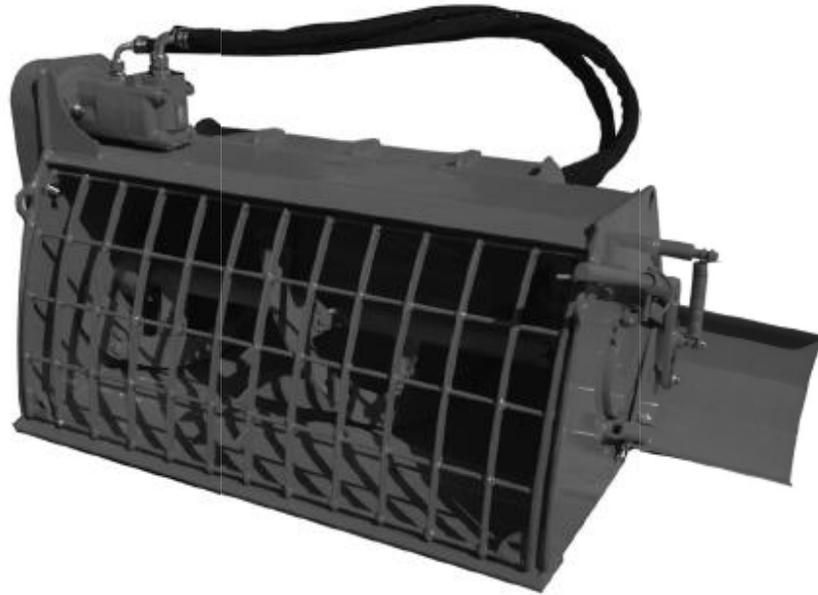
1. Clean all the debris, all mud, dirt and grease.
2. Inspect the unit for bent, loose, cracked, damaged or missing parts. Order any parts required, and make the necessary repairs to avoid delays when starting next season.
3. Tighten all loose nuts, bolts, screws and hydraulic connections.
4. Touch up all the unpainted and exposed areas with paint to prevent rust.
5. Replace security labels and tags if damaged, or in unreadable condition.
6. Connect the hydraulic couplers together or use the oil nuts to block the hydraulic hoses.
7. Check the motor for proper lubricant level.



8. Store the implement in a dry non-corrosive place.

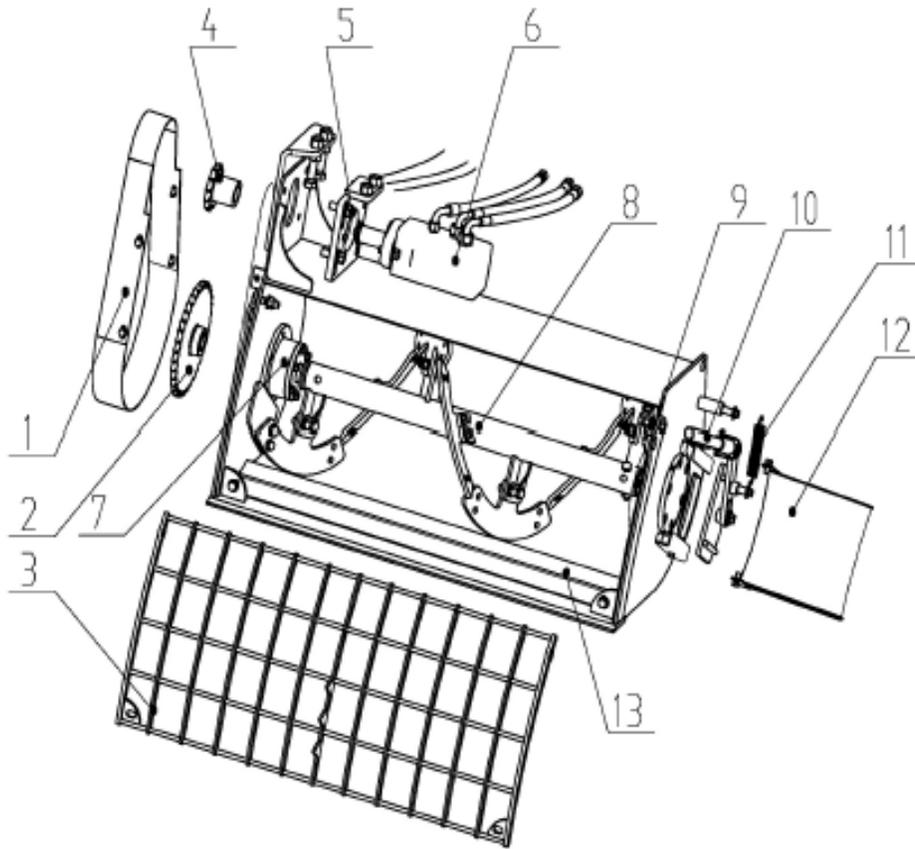
## SPECIFICATIONS

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MODEL	TORO35CBUCKET
TOTAL LENGTH (IN)	22.5
TOTAL WIDTH (IN)	42
TOTAL HEIGHT (IN)	22.25
TOTAL WEIGHT (LBS)	397
BUCKET CAPACITY	3.5
SYSTEM FLOW (GPM)	5 - 10.5
MAX PRESSURE (PSI)	3045
DISCHARGE MATERIAL FORM	SIDE DISCHARGING

**PARTS DIAGRAM / EXPLODED VIEW**



PART NO.	S/N NUMBER	PART DESCRIPTION	QTYS	NOTE
1	031001.10	Sprocket cover	1	
2	031001.05-02	Large sprocket	1	
3	031001.03	Grid Bar Components	1	
4	031001.05-01	Small sprocket	1	
5	031001.05.01	Adjusting plate	1	
6	031001.06	Motor	1	
7	031001.07	Left bearing seat	1	
8	031001.02	Wringing dragon	1	
9	031001.04	Right bearing seat	1	
10	031001.06	Unloading device	1	
11	031001-02	Drag Spring	1	
12	031001.09	Guide chute	1	
13	031001.01	Bucket body	1	

## **ACKNOWLEDGEMENT OF RISK AND RELEASE OF LIABILITY**

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The use of any equipment, including this one, involves the potential risk of injury. Apart from any warranty claim that might be presented for a claimed defect in material or workmanship of the product, you accept and assume full responsibility for any and all injuries, damages (both economic and non-economic), and losses of any type, which may occur, and you fully and forever release and discharge Titan, its insurers, employees, officers, directors, associates, and agents from any and all claims, demands, damages, rights of action, or causes of action, present or future, whether the same be known or unknown, anticipated, or unanticipated, resulting from or arising out of the use of said equipment.

This equipment must be used with care by capable and competent individuals under supervision, if necessary.

## **TITAN LIMITED WARRANTY: TERMS, EXCLUSIONS AND LIMITATIONS OF REMEDIES**

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This product comes with a one (1) year limited warranty that can be found at [www.palletforks.com/warranty.html](http://www.palletforks.com/warranty.html). Please review the same for all details regarding the Titan Limited Warranty.

**THE TITAN LIMITED WARRANTY FOUND AT [WWW.PALLETFORKS.COM/WARRANTY.HTML](http://WWW.PALLETFORKS.COM/WARRANTY.HTML) IS EXCLUSIVE AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE, EACH OF WHICH IS HEREBY DISCLAIMED.**



**NEED HELP? CONTACT US FIRST.**

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