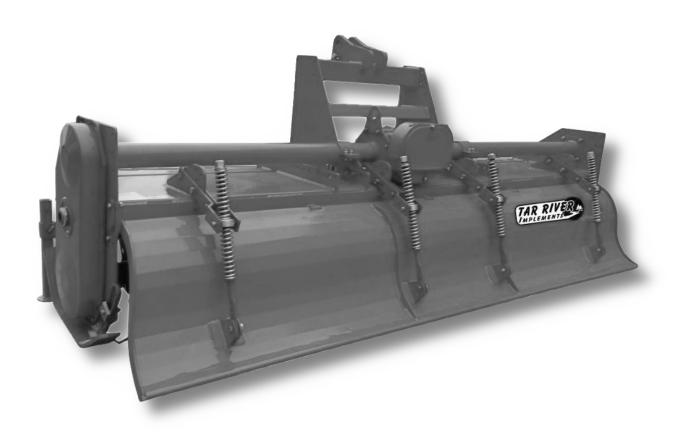


# Rotary Tiller BXV & CXT Series



**Operator's Manual** 



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#### TO THE DEALER:

Assembly and proper installation of this product is the responsibility of the Tar River dealer. Read manual instructions and safety rules. Make sure all items on the Dealer's Pre-Delivery and Delivery Check Lists in the Owner's/Operator's Manual are completed before releasing equipment to the owner.

#### TO THE OWNER:

Read this manual before operating your Tar River equipment. The information presented will prepare you to do a better and safer job. Keep this manual handy for ready reference. Require all operators to read this manual carefully and become acquainted with all the adjustment and operating procedures before attempting to operate. Replacement manuals can be obtained from your selling dealer. The equipment you have purchased has been carefully engineered and manufactured to provide dependable and satisfactory use. Like all mechanical products, it will require cleaning and upkeep. Lubricate the unit as specified. Observe all safety information in this manual and safety decals on the equipment. For service, your authorized Tar River dealer has trained mechanics, genuine Tar River service parts, and the necessary tools and equipment to handle all your needs. Use only genuine Tar River service parts. Substitute parts will void the warranty and may not meet standards required for safe and satisfactory operation.

Record your implement model and serial number in the space provide below. Your dealer will need this information to give you prompt, efficient service.

| Model Number:   | <br> |  |
|-----------------|------|--|
| Serial Number:  | <br> |  |
| Date Purchased: |      |  |



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## Introduction

Thank you for purchasing your Tar River Rotary Tiller. The CXT Series is specifically designed to tractors in the 60-130 horse power range.

## **Technical Specifications**

• Gear drive transmission, 6 Blades per flange, PTO with slip-clutch protection, Solid A-frame, 6" Tilling depth, Powder coat paint

|                   | CXT-086      | CXT-095      | CXT-104      | CXT-112      | CXT-121      |
|-------------------|--------------|--------------|--------------|--------------|--------------|
| Weight            | 1636 lbs.    | 1762 lbs.    | 1876 lbs.    | 2081 lbs.    | 2115 lbs.    |
| Shipping weight   | 1735 lbs.    | 1862 lbs.    | 1895 lbs.    | 2317 lbs.    | 2410 lbs.    |
| Working width     | 86"          | 95"          | 104"         | 112"         | 121"         |
| Blades per flange | 6            | 6            | 6            | 6            | 6            |
| HP                | 60-130       | 70-130       | 75-130       | 80-130       | 85-130       |
| PTO driveline     | Series 4 S/C |



#### Safety

It is important that you read the entire manual and to become familiar with this product before you begin using it. This product is designed for certain applications only. The manufacturer cannot be responsible for issues arising from modification. We strongly recommend this product not be modified and /or used for any application other than that for which it is designed. If you have any questions relative to a particular application, DO NOT use the product until you have first contacted us to determine if it can or should be performed on the product.

Read and understand this manual and all safety signs before operating and maintaining . Review the safety instructions and precautions annually.

#### Safety Signal Words

TAKE NOTE! This safety alert symbol found though out this manual is used to call you attention to instructions involving you personal safety and the safety of others. Failure to follow these instructions can result in injury or death.



This symbol means:
Attention!
Become alert!
Your safety is involved!

Note the use of the signal words, DANGER, WARNING and CAUTION with the safety messages. The appropriate signal word for each has been selected using the following guidelines:



DANGER: Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury. This signal word is to be limited to the most extreme situations typically for machine components which, for functional purposes, cannot be guarded.



WARNING: Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury, and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices.



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



#### **General Safety Guidelines**

Safety of the operator is one of the main concerns in designing and developing a new piece of equipment. Designers and manufacturers build in 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, or for you, follow them.

Replace any DANGER, WARNING, CAUTION or instruction safety decal that is not readable or is missing. Location of such decals are indicated in this manual. Do not attempt to operate this equipment under the influence of drugs or alcohol.

Review the safety instructions with all users annually.

This equipment is dangerous to children and persons unfamiliar with its operation. The operator should be a responsible adult familiar with farm machinery and trained in this equipment's operations. **Do not allow** persons to operate or assemble this unit until they have read this manual and have developed a thorough understanding of the safety precautions and of how it works.

To prevent injury of death, use a tractor equipped with a Roll Over Protection System (ROPS). Do not paint over, remove or deface any signs or warning decals on your equipment. Observe all safety signs and practice the instructions on them.

Never exceed the limits of a piece of machinery. If its ability to do a job, or to do so safely, is in question - **Don't try it!** 



#### **Safety Decal Care**

- Keep safety signs clean and legible at all times.
- Replace safety signs that are missing or have become illegible.
- Replaced parts that displayed a safety sign should also display the current safety sign
- Safety signs are available from your Distributor or Dealer Parts Department or the factory.



#### **How to install Safety Signs:**

- Be sure that the installation area is clean and dry.
- Decide on the exact position before you remove the backing paper.
- Remove the smallest portion of the split backing paper.
- Align the decal over the specified area and carefully press the small portion with the exposed sticky backing in place.
- Slowly peel back the remaining paper and carefully smooth the remaining portion of the decal in place.
- Small air pockets can be pierced with a pin and smoothed out using the piece of decal backing paper.



#### **Before Operation**

- Carefully study and understand this manual.
- Do not wear loose-fitting clothing, which may catch in moving parts.
- Always wear protective clothing and substantial shoes.
- Assure that all tires are inflated evenly.
- Give the unit a visual inspection for any loose bolts, worn parts or cracked welds, and make necessary repairs. Follow the maintenance safety instructions included with this manual.
- Be sure that there are no tools lying on or in the equipment.
- Do not use the unit until you are sure that the area is clear, especially of children and animals.
- Don't hurry the learning process or take the unit for granted. Ease into it and become familiar with your new equipment.
- Practice operation of your equipment and its attachments. Completely familiarize yourself and other operators with its operation before using.
- Use a tractor equipped with a Roll Over Protection System (ROPS) and fasten your seat belt prior to starting engine.
- The manufacturer does not recommend usage of tractor with ROPS removed.
- Move tractor wheels to the widest recommended settings to increase stability.
- Securely attach to towing unit. Use a high strength, appropriately sized hitch pin with a mechanical retainer and attach safety chain.
- Do not allow anyone to stand between the tongue or hitch and the towing vehicle when backing up to the equipment.
- Do not use the unit until you are sure that the area is clear, especially of children and animals.





#### **During Operation**

- Children should not be allowed on the product.
- Clear the area of small children and bystanders before moving the feeder.
- If using a towing unit, securely attach feeder by using a hardened 3/4" pin, a metal retainer, and safety chains if required. Shift towing unit to a lower gear before going down steep downgrades, thus using the engine as a retarding force. Keep towing vehicle in gear at all times. Slow down for corners and rough terrain.
- Make sure you are in compliance with all local and state regulations regarding transporting equipment on public roads and highways. Lights and slow moving signs must be clean and visible by overtaking or oncoming traffic when feeder in transported.
- Beware of bystanders, **particularly children!** Always look around to make sure that it is safe to start the engine of the towing vehicle or move the unit. This is particularly important with higher noise levels and quiet cabs, as you may not hear people shouting.
- NO PASSENGERS ALLOWED! Do not carry passengers anywhere on, or in, the tractor or equipment, except as required for operation.
- Keep hands and clothing clear of moving parts.
- Do not clean, lubricate or adjust your equipment while it is moving.
- When halting operation, even periodically, set the tractor or towing vehicle brakes, disengage the PTO, shut off the engine and **remove the ignition key.**
- Be especially observant of the operating area and terrain. Watch for holes, rocks or hidden hazards. Always inspect the area prior to operation.
- **DO NOT** operate near the edge of drop-offs or banks.
- **DO NOT** operate on steep slopes as overturns may result.
- Operate up and down (not across) intermediate slopes. Avoid sudden starts and stops.





#### **Highway and Transport Operations**

- Adopt safe driving practices.
- Keep the brake pedals latched together at all times. Never use independent braking with machine in tow as loss of control and/or upset of unit can result.
- Always drive at a safe speed relative to local conditions and ensure that your speed is low enough for an
  emergency stop to be safe and secure. Keep speed at a minimum.
- Reduce speed prior to turns to avoid the risk of overturning.
- Avoid sudden uphill turns on steep slopes.
- Always keep the tractor or towing vehicle in gear to provide engine braking when going downhill. Do not
  coast.
- Do not drink and drive!
- Comply with state and local laws governing highway safety and movement of farm machinery on public roads.
- Use approved accessory lighting flags and necessary warning devices to protect operators of other vehicles on the highway during daylight and nighttime transport. Various safety lights and devices are available from your dealer.
- The use of flashing amber lights is acceptable in most localities. However, some localities prohibit their use. Local laws should be checked for all highway and marking requirements.
- When driving the tractor and equipment on the road or highway under 40 kph (20 mph) at night or during the day, use the amber warning lights and a slow moving vehicle (SMV) identification emblem.
- Plan your route to avoid heavy traffic.
- Be a safe and courteous driver. Always yield to oncoming traffic in all situations, including narrow bridges, intersections, etc.
- Be observant of bridge loading ratings. Do not cross bridges rated at lower than the gross weight at which you are operating.
- Watch for obstructions overhead and to the side while transporting.
- Always operate in a position to provide maximum visibility at all times. Make allowances for increased length and weight of the equipment when making turns, stopping the unit, etc.
- Pick the most level route when transporting across fields. Avoid the edges of ditches or gullies and steep hillsides.
- Be extra careful when working in inclines.





#### **Highway and Transport Operations**

- Maneuver the tractor or towing vehicle at safe speeds.
- Avoid overhead wires or other obstacles. Contact with overhead lines could cause serious injury or death.
- Avoid loose fill, rocks and holes, they can be dangerous for equipment operation or movement.
- Allow for unit length when making turns,
- Operate the towing vehicle from the operator's seat only.
- Never stand alongside of unit with engine running or attempt to start engine and/or operate machine while standing alongside of unit.
- Never leave running equipment attachments unattended.
- As a precaution, always recheck the hardware on equipment following every 100 hours of operation. Correct all problems. Follow the maintenance safety procedures.





Before attaching the rotary tiller to the tractor, check the unit to ensure there is oil in the top and side gearbox. See Maintenance section for lubricant specifications. Before beginning operation, check oil and grease points.

Note: Gearboxes are shipped with high performance gear grease, add indicated lubricants to specified levels. It is okay to usevariable viscosity gear oils.

#### Oil Level:

Center Gearbox: Level indicated on dipstick (SAE 90)

Side gearbox drive: Fill to oil drain plug on lower front of cover (SAE 140)

Right rotor bearing: Grease if cap has grease nipple. Otherwise fill to side drain plug. (SAE 90 or SAE 140)

Grease: PTO shaft cross and bearings







#### Attaching to the tractor

- 1. With the Rotary Tiller on a level surface, back the Cat. 1 tractor so the tractor lift arms are even with the unit's lower hitch pins. Lower or raise the tractor hitch arms until the 7/8" bushing in the arm is inside the clevis of lower hitch points. Be sure nothing is between the tractor and the tiller before backing up.
- 2. Insert the lower hitch pin through the lower hitch blocks and the tractor arm. The YCT series tillers have adjustable lower hitch blocks that can be slide to facilitate usage on larger tractors.
- 3. Secure the lift arm in place by using a 7/16" lynch pin or other fastener.
- 4. Repeat with the other arm.
- 5. Connect the driveline to the tractor's PTO output shaft. Secure it in place.
- 6. Connect the tractor top link to the upper hitch point of the rotary tiller.
- 7. Start the tractor and slowly raise the tiller. Check for drawbar interference. Be sure that the PTO driveline does not bottom out when lifting the machine to it's maximum height. If it does appear that it could bottom out, it is necessary to shorten the PTO driveline. (See Shortening a PTO Driveline section). Ensure that in theworking position there is an overlap of a minimum of 1/3 the length of each profile.



#### **Attaching the PTO shaft:**

Before installing the PTO shaft make sure that the RPM rating and the direction of rotation match those of the tractor. Carefully read the PTO shaft and tractor instructions. Before operation, make sure that the guards are installed on the power take off of the tractor and PTO shaft. Make sure that they cover the PTO shaft throughout its length. Note: The PTO shaft may be too long and require shortening. See "Shortening a PTO driveline" below.

Press the locking pin on the PTO yoke and slide yoke on to the PTO of the tractor until the pin seats. Pull on PTO shaft to make certain it is locked in place. Repeat the procedure for the machine end. Attach the PTO cover's safety chains to a stationary part of the tractor. Leave some slack in the chain to accommodate movement.

#### **Shortening a PTO driveline:**

- 1. With the machine attached to the tractor's 3-point hitch, and the PTO shaft not installed, separate the PTO shaft. Attach the machine end to the machine and the other end to the tractor PTO input shaft.
- 2. Raise the machine by using the tractor's hydraulic 3-point hitch to its maximum lift height.
- 3. Hold the half shafts next to each other and mark them so each end is approximately 1/2" from hitting the end of the telescopic profiles.
- 4. Shorten the inner and outer guard tubes equally.
- 5. Shorten the inner and outer profiles by the same length as the guard tubes. Using a rattail file, round off all sharp edges and burrs. Grease the telescopic profile generously before reassembling.

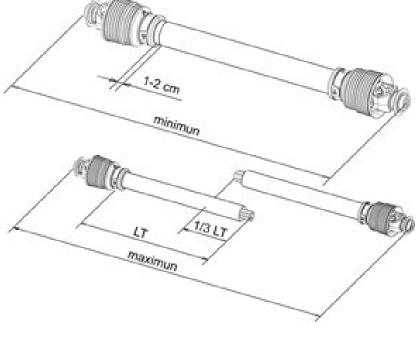


Fig. 4



When fully extended, the tubes must overlap by at least 1/3 of the length of the pipes (LT). When retracted, the min. acceptable clearance is 1-2 cm (3/8"-3/4")

Scan the QR code below for more detailed information on PTO installation.





#### Slip clutch adjustments

Slip clutch must be adjusted before first use or after a storage period.

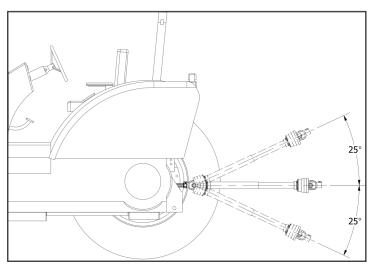
- 1. Using a marker, scribe a line across the exposed edges of the clutch plate and friction discs.
- 2. Back off compression nuts to free friction discs by turning each nut *exactly* 2 revolutions.
- 3. Start the tractor and run the driveline at a low idle to slip the friction discs. This will remove the dirt, corrosion and surface floss from the clutch plate faces.
- 4. Disengage PTO, shut down tractor and wait for all components to come to a complete stop.
- 5. Inspect the clutch and ensure that the scribed markings on the disc and plates have changed position. If any two marks are still aligned, this is an indication that these discs have not slipped. It may be necessary to completely disassemble the clutch to free them up.
- 6. After ensuring all discs are free, tighten the compression nuts, uniformly, *exactly* 2 revolutions to reset the clutch original pressure.

Caution: Slip Clutches may become hot. Do Not Touch. Keep the slip clutch area clear of amaterial that may catch fire. Slip clutches have adjustable torque settings. The torque setting varies with the different compression of each spring. All the springs should have an equal amount of compression.

Important: Do not over-tighten the compression nuts as this may impair performance or cause premature wearing of the slip clutch.

### **Checking for PTO Driveline Interference:**

- 1. Begin with the PTO Driveline level (0 degrees).
  Raise the implement at an angle no greater than 25 degrees from level. Check for any interference and the length of the PTO Driveline extended. Do not exceed the maximum extended length!
- 2. Next lower the PTO Driveline at an angle no greater than 25 degrees from level. Check for any interference and the length of the PTO Driveline extended. Do not exceed the maximum extended length!





#### Working Depth Adjustment

The working depth is controlled by raising or lowering the side skids. If the skids are raised, the working depth increases. By lowering the skids, the tilling depth with decrease.

#### Tailgate adjustment

Position the tailgate to its desired opening by fitting the bolts into the appropriate holes of the adjustment flange located on the top of the main frame. To adjust the degree of tension, tighten or loosen up on the 24mm nut on the top of the spring support rod.

#### **Multi-Speed Gearbox**

On certain models, the tiller will come standard with a multi-speed gearbox to allow rotorspeed changes. This is particularly useful on uneven ground so as the tractor speed can maintain a constant ground speed and rotor speed to adapt to different soil conditions.

#### To change the rotor speed, do the following:

- 1. Ensure the gearbox is not too hot to work safely without burning your hands.
- 2. Tilt the tiller forward to prevent excessive oil from coming out of the back cover.
- 3. Unscrew the bolt holding the rear cover of the gearbox.
- 4. Adjust the gears inside the gearbox to obtain the desired speed.
- 5. Replace cover and tighten bolts.

IMPORTANT: Make sure the spacers located behind the gears do not fall into the gearbox! If this happens damage to the gearbox or gears can occur.

|       | BXV       |            |             |       | CXT       |            |                |
|-------|-----------|------------|-------------|-------|-----------|------------|----------------|
| INPUT | Left Gear | Right Gear | Rotor Speed | INPUT | Left Gear | Right Gear | Rotor<br>Speed |
| 540   | 22        | 16         | 140         | 540   | 23        | 17         | 143            |
| 540   | 20        | 18         | 174         | 540   | 21        | 19         | 175            |
| 540   | 18        | 20         | 213         | 540   | 19        | 21         | 214            |
| 540   | 16        | 22         | 266         | 540   | 17        | 23         | 262            |



#### Start up

After making the necessary adjustments, lower the rotary tiller until the blades are a couple of inches from the ground. Engage the PTO and slowly lower the tiller to begin working.

#### Removal and Storage

- 1. After finishing, remove the rotary tiller from the tractor.
- 2. Put the PTO driveline in a safe location so it will not becomedamaged.
- 3. Clean and dry the equipment.
- 4. Replace any damaged or worn parts.
- 5. Check all bolts and nuts for tightness.
- 6. Lubricate and protect the machine from the elements.
- Following operation, or when unhitching, stop the tractor or towing vehicle, set the brakes,



#### **Following Operation**

disengage the PTO and all power drives, shut off the engine and remove the ignition keys.

- Store the unit in an area away from human activity.
- Do not park equipment where it will be exposed to livestock for long periods of time. Damage and livestock injury could result.
- Do not permit children to play on or around the stored unit.
- Make sure all parked machines are on a hard, level surface and engage all safety devices.
- Wheel chocks may be needed to prevent unit from rolling.





#### **Performing Maintenance**

- Good maintenance is your responsibility. Poor maintenance is an invitation to trouble.
- Make sure there is plenty of ventilation. Never operate the engine of the towing vehicle in a closedbuilding. The exhaust fumes may cause asphyxiation.
- Be certain all moving parts on attachments have come to a complete stop before attempting to performmaintenance.
- Always use the proper tools or equipment for the job at hand.
- Use extreme caution when making adjustments.
- Never replace hex bolts with less than grade five bolts unless otherwise specified.
- After servicing, be sure all tools, parts and service equipment are removed.
- Where replacement parts are necessary for periodic maintenance and servicing, genuine factory
  replacement parts must be used to restore your equipment to original specifications. The manufacturer will
  not claim responsibility for use of unapproved parts and/or accessories and other damages as a result of
  their use.
- If equipment has been altered in any way from original design, the manufacturer does not accept anyliability for injury or warranty.

#### Maintenance Schedule

8 hours Grease the Rotor support (GP grease)

Grease PTO shaft cross & bearings (GP grease)

Check Hardware for tightness

16 hours Check oil level in center gearbox (90wt)

Check oil level in side gearbox (140wt)

Check Hardware for tightness

200 hours Replace oil in center gearbox (90wt)

Replace oil in side gearbox (140wt)

Check Hardware for tightness

#### **Replacing Blades**

In order for the tiller to perform optimally, make sure the tiller blades are in good working conditionand their bolts and nuts tight. Always replace the blades with the bolt head against the blade and thewasher and nut on the flange side to help prevent the blades from loosening. When several blades are to be replaced, replace them one blade at a time in order maintain the scrollpattern on the rotor.

Note: To determine Left or Right Blades, hold the blade by the bolt hole end and the cutting edge facing downward. If the blade curves to the left it is a left-hand blade, curving to the right indicates a right-hand blade.



# A

#### Lubrication

#### **Side Gearbox:**

- Run the tiller long enough to warm the oil.
- Level the tiller and remove the "Lower Plug". The warmed lubricant should reach the bottom of the "Lower Plug" hole as shown.
- If the lubricant level is below the bottom of the "Lower Plug" hole, add oil through the "Fill Plug" hole or "Lower Plug" hole. Add SAE 140W oil to bring the level to the normal operating range.
- Replace and tighten all plugs before operating the tiller.

Lubricant Level

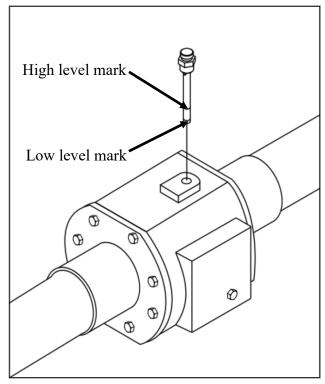
Lower Plug

Note: Check after 16 hours of use.

#### **Center Gear Box:**

- Unscrew and remove the dipstick and wipe clean.
- Screw in dipstick and hand tighten only.
- Once again, remove the dipstick and check the oil level. If the oil level is on or below the low level mark, add enough oil (SAE 80-90W oil) to the gearbox to bring the oil level up to normal operating range between the low mark and high mark.
- Screw in dipstick before operating the tiller.
- Do not overfill.

Note: Check after 16 hours of use.



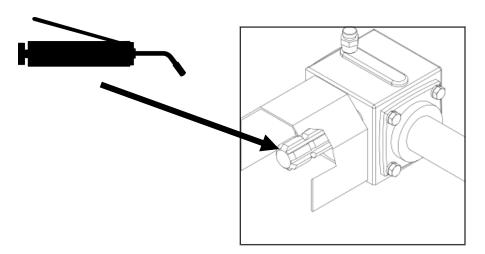




## Lubrication

#### **Gearbox Input Shaft:**

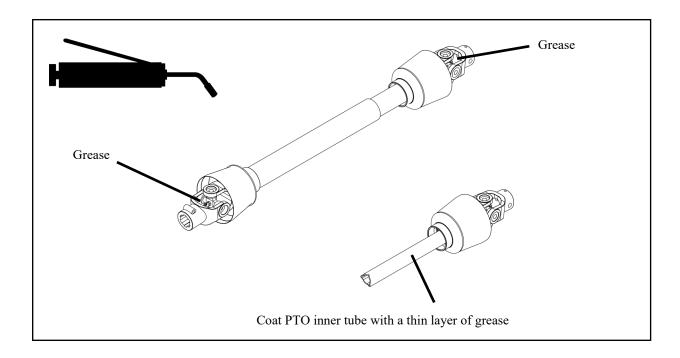
When attaching and reattaching the PTO driveline, be sure to lubricate all surfaces of the gearbox input shaft with Multi-Purpose Grease.



#### **PTO Driveline:**

Grease the PTO Driveline U-joints with Multi-Purpose Grease every 8 hours of use.

Slide apart the two PTO Driveline halves from each other. Clean and coat (every 20 hours of use) the inner tube of the PTO Driveline shaft with a thin layer of Multi-Purpose Grease and reassemble.



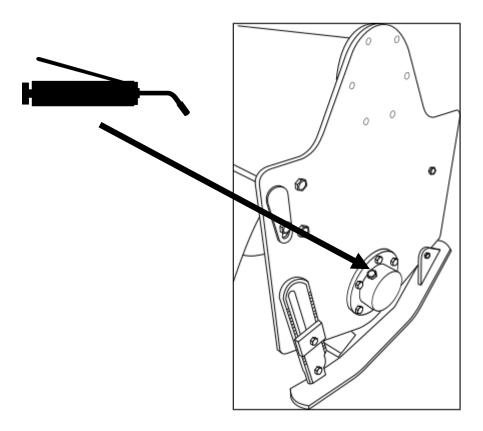




## **A** Lubrication

#### **Rotor Support:**

Remove the breather plug on the RH side of the tiller and lubricate with Multi-Purpose Grease every 8 hours of use. Replace the breather plug before operating.





# **Torque Specifications**

| Torque Specifications for Common Bolt Sizes |              |            |                          |              |            |                         |              |   |                       |              |            |                          |            |            |             |            |
|---|--------------|------------|--------------------------|--------------|------------|-------------------------|--------------|---|-----------------------|--------------|------------|--------------------------|------------|------------|-------------|------------|
|   |              |            | Bolt Head Identification |              |            |                         |              |   |                       |              |            | Bolt Head Identification |            |            |             |            |
| Inches                                      | }<br>5       |            |                          | $\leftarrow$ | $\supset$  | $\langle \cdot \rangle$ | $\searrow$   |   | M P                   |              | 5.         | 8                        | 8.         | 8          | (10         | .9         |
|   |              | Gra        | de 2                     | Gra          | de 5       | Gra                     | de 8         |   |                       |              | Clas       | s 5.8                    | Clas       | ss 8.8     | Class       | s 10.9     |
| Bolt size (inches)                          | Thread pitch | N.m        | ft-lb                    | N.m          | ft-lb      | N.m                     | ft-lb        |   | Bolt size<br>(metric) | Thread pitch | N.m        | ft-lb                    | N.m        | ft-lb      | N.m         | ft-lb      |
| 1/4"  | 20           | 7          | 5<br>6                   | 11           | 8<br>10    | 16                      | 12           |   | M5                    | 0.08         | 4          | 3                        | 6          | 7          | 9<br>15     | 7          |
| 1/4"<br>5/16"                               | 28<br>18     | 8<br>15    | 11                       | 13<br>24     | 17         | 19<br>33                | 14<br>25     | 1 | M6<br>M8              | 1<br>1.25    | 6<br>16    | 12                       | 10<br>25   | 18         | 36          | 11<br>27   |
| 5/16"                                       | 24           | 17         | 13                       | 26           | 19         | 37                      | 27           |   | M8                    | 1.2.         | 17         | 13                       | 26         | 19         | 38          | 28         |
| 3/8"  | 16           | 27         | 20                       | 42           | 31         | 59                      | 44           | 1 | M 10                  | 1.5          | 31         | 23                       | 48         | 35         | 71          | 52         |
| 3/8"  | 24           | 31         | 23                       | 47           | 35         | 67                      | 49           |   | M 10                  | 1.25         | 33         | 24                       | 51         | 38         | 75          | 55         |
| 7/16"                                       | 14           | 43         | 32                       | 67           | 49         | 95                      | 70           |   | M 10                  | 1            | 35         | 26                       | 53         | 39         | 78          | 58         |
| 7/16"                                       | 20           | 48         | 36                       | 75           | 55         | 106                     | 78           |   | M 12                  | 1.75         | 54         | 40                       | 84         | 62         | 123         | 91         |
| 1/2"  | 13           | 66         | 48                       | 102          | 75         | 144                     | 106          |   | M 12                  | 1.5          | 56         | 41                       | 87         | 64         | 128         | 94         |
| 1/2"  | 20           | 75         | 55                       | 115          | 85         | 163                     | 120          |   | M 12                  | 1.25         | 59         | 44                       | 90         | 66         | 133         | 98         |
| 9/16"                                       | 12           | 95         | 70                       | 147          | 109        | 208                     | 154          |   | M 14                  | 2            | 84         | 62                       | 133        | 98         | 195         | 144        |
| 9/16"                                       | 18           | 106        | 79                       | 164          | 121        | 232                     | 171          |   | M 14                  | 1.5          | 94         | 69                       | 142        | 105        | 209         | 154        |
| 5/8"  | 11           | 132        | 97                       | 203          | 150        | 287                     | 212          |   | M 16                  | 2            | 131        | 97                       | 206        | 152        | 302         | 223        |
| 5/8"  | 18           | 149        | 110                      | 230          | 170        | 325                     | 240          |   | M 16                  | 1.5          | 141        | 104                      | 218        | 161        | 320         | 236        |
| 3/4"  | 10           | 233        | 172                      | 361          | 266        | 509                     | 376          |   | M 18                  | 2.5          | 181        | 133                      | 295        | 218        | 421         | 310        |
| 3/4"  | 16           | 261        | 192                      | 403          | 297        | 569                     | 420          |   | M 18                  | 2            | 196        | 145                      | 311        | 229        | 443         | 327        |
| 7/8"  | 9            | 226        | 167                      | 582          | 430        | 822                     | 606          |   | M 18                  | 1.5          | 203        | 150                      | 327        | 241        | 465         | 343        |
| 7/8"  | 14           | 249        | 184                      | 642          | 473        | 906                     | 668          | - | M 20                  | 2.5          | 256        | 189                      | 415        | 306        | 592         | 437        |
| 1"  | 8            | 339        | 250<br>273               | 873          | 644<br>704 | 1232                    | 909          |   | M 20                  | 1.5          | 288        | 212<br>254               | 454        | 335<br>418 | 646         | 476        |
| 1"  | 12<br>7      | 371        | 2/3<br>354               | 955          | 704<br>794 | 1348                    | 995          | - | M22                   | 2.5          | 344        | 254<br>281               | 567        | 418        | 807<br>873  | 595        |
| 1-1/8"                                      | 12           | 480<br>539 | 354<br>397               | 1077<br>1208 | 794<br>891 | 1746<br>1958            | 1288<br>1445 |   | M 22<br>M 24          | 1.5<br>3     | 381<br>444 | 327                      | 613<br>714 | 452<br>526 | 8/3<br>1017 | 644<br>750 |
| 1-1/8"<br>1-1/4"                            | 7            | 539<br>677 | 500                      | 1519         | 1120       | 1958<br>2463            | 1445<br>1817 | - | M 24<br>M 24          | 2            | 444        | 360                      | 714<br>769 | 526        | 1017        | 750<br>808 |
| 1-1/4"                                      | 12           | 750        | 553                      | 1682         | 1241       | 2728                    | 2012         | 1 | M 27                  | 3            | 488<br>656 | 484                      | 1050       | 774        | 1095        | 1103       |
| 1-1/4                                       | 6            | 750<br>888 | 655                      | 1992         | 1469       | 3230                    | 2382         |   | M27                   | 2            | 719        | 530                      | 1119       | 825        | 1594        | 1176       |
| 1-3/8"                                      | 12           | 1011       | 746                      | 2268         | 1673       | 3677                    | 2712         |   | M30                   | 3.5          | 906        | 668                      | 1420       | 1047       | 2033        | 1499       |
| 1-3/8                                       | 6            | 1179       | 869                      | 2643         | 1949       | 4286                    | 3161         |   | M30                   | 2            | 1000       | 738                      | 1600       | 1180       | 2250        | 1659       |
| 1-1/2"                                      | 12           | 1326       | 978                      | 2974         | 2194       | 4823                    | 3557         |   | M36                   | 4            | 1534       | 1131                     | 2482       | 1830       | 3535        | 2607       |

#### **Notes:**

This chart is an approximate estimate of torque values.

Always tighten hardware to these values unless a different torque value or tightening procedure is listed for a specific application.

Fasteners must always be replaced with the same grade as specified in the manual.

Always use the proper tool for tightening hardware: SAE for SAE hardware and Metric for Metric hardware.

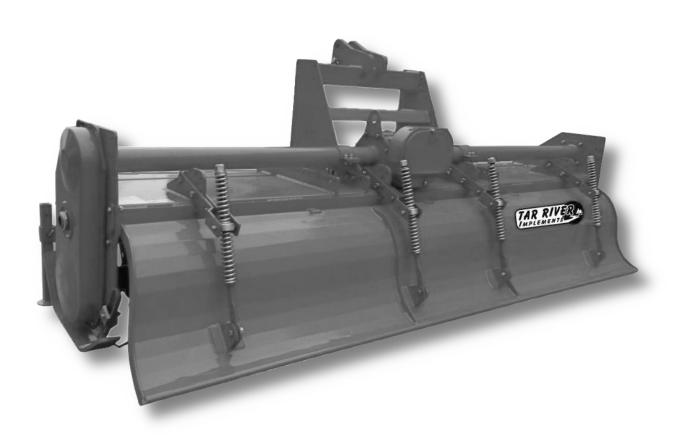
Make sure that fastener threads are clean and that you properly start thread engagement.



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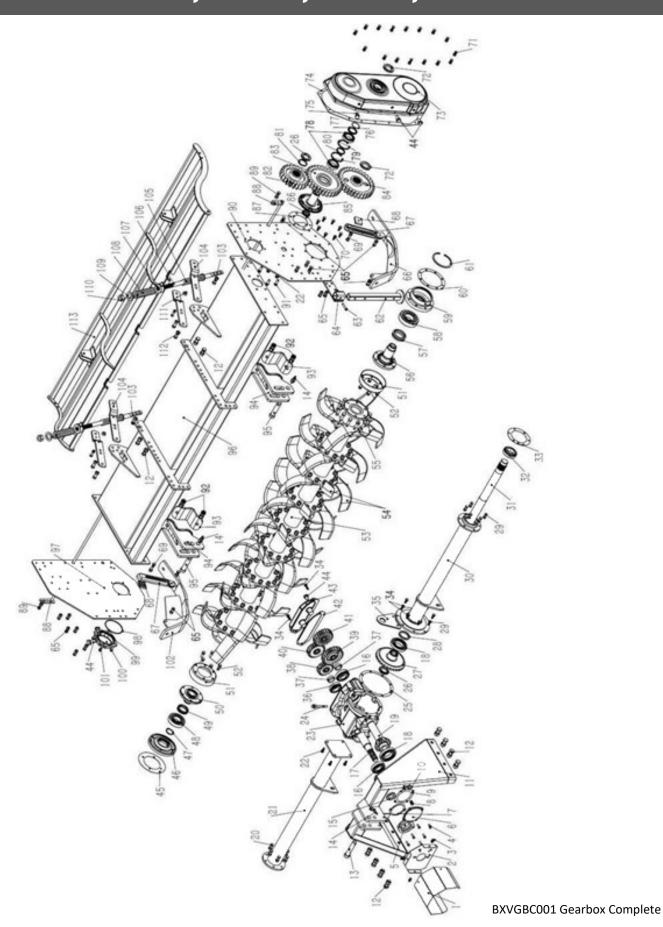


# Rotary Tiller BXV & CXT Series



## **Parts Manual**



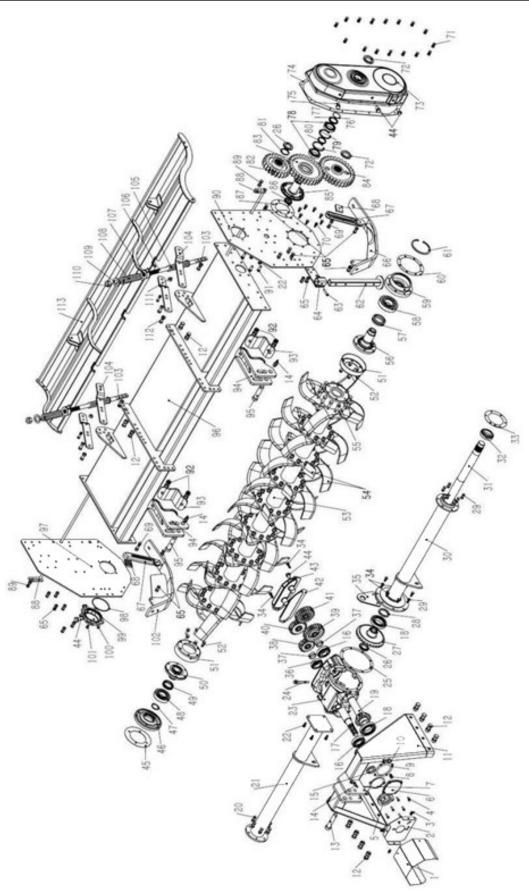




| Item | Part #     | Description                                      | Qty. |
|------|------------|--|------|
| 1    | BV0317     | PTO shield                                       | 1    |
| 2    | BV0321     | PTO shield support                               | 1    |
| 3    | BM812516   | Bolt- M8 x 1.25 x 16                             | 3    |
| 4    | BM1012530  | Bolt– M10 x 1.25 x 30                            | 6    |
| 5    | BV0320     | Bearing support                                  | 1    |
| 6    | BV0315     | Gearbox cap                                      | 1    |
| 7    | BV0318     | Gasket - Input Shaft– M107 x 91 x 1              | 1    |
| 8    | BM1012520  | Bolt– M10 x 1.25 x 20                            | 1    |
| 9    | BV0314     | Gasket Bearing Cover– M150 x 112 x 1             | 1    |
| 10   | BV0408     | Spacer—Right Rotor Support–M63 x 50 x 4          | 1    |
| 11   | BV0101     | A Frame  | 1    |
| 12   | BM161540   | Bolt– M16 x 1.5 x 40                             | 12   |
| 13   | BV0103     | Top Hitch Pin                                    | 1    |
| 14   | SB100756   | Lynch Pin– M10mm                                 | 3    |
| 15   | OS406210   | Oil Seal– M40 x 62 x 10                          | 1    |
| 16   | B30308JR   | Bearing- 30308JR                                 | 2    |
| 17   | BV0319     | Input Shaft                                      | 1    |
| 18   | B30212JR   | Bearing- 30212JR                                 | 2    |
| 19   | BV0316     | Pinion Shaft                                     | 1    |
| 20   | BM1012535  | Bolt– M10 x 1.25 x 35                            | 6    |
| 21   | BV0301-75  | Gearbox Support Tube BXV-076                     | -    |
|      | BV0301-85  | Gearbox Support Tube BXV-086                     | -    |
|      | BV0301-94  | Gearbox Support Tube BXV-094                     | -    |
|      | BV0301-104 | Gearbox Support Tube BXV-104                     | -    |
| 22   | BM1212530  | Bolt– M12 x 1.25 x 30                            | 5    |
| 23   | BV0313     | Housing -Gearbox                                 | 1    |
| 24   | BV0323     | Dip Stick  | 1    |
| 25   | BV0309     | Gasket - Center Gearbox Left Side 240 x 206 x0.5 | 1    |
| 26   | NM4515     | Nut 45 x 1.5                                     | 2    |
| 27   | BV0324     | Ring Gear  | 1    |
| 28   | OS607508   | Oil Seal– M60 x 75 x 8                           | 1    |
| 29   | BM1012530  | Bolt– M10 x 1.25 x 30                            | 12   |
| 30   | BV0310-75  | Gearbox Shaft Tube Housing - BXV-076             | -    |
|      | BV0310-86  | Gearbox Shaft Tube Housing - BXV-086             | -    |
|      | BV0310-94  | Gearbox Shaft Tube Housing - BXV-094             | -    |
|      | BV0310-104 | Gearbox Shaft Tube Housing - BXV-104             | -    |

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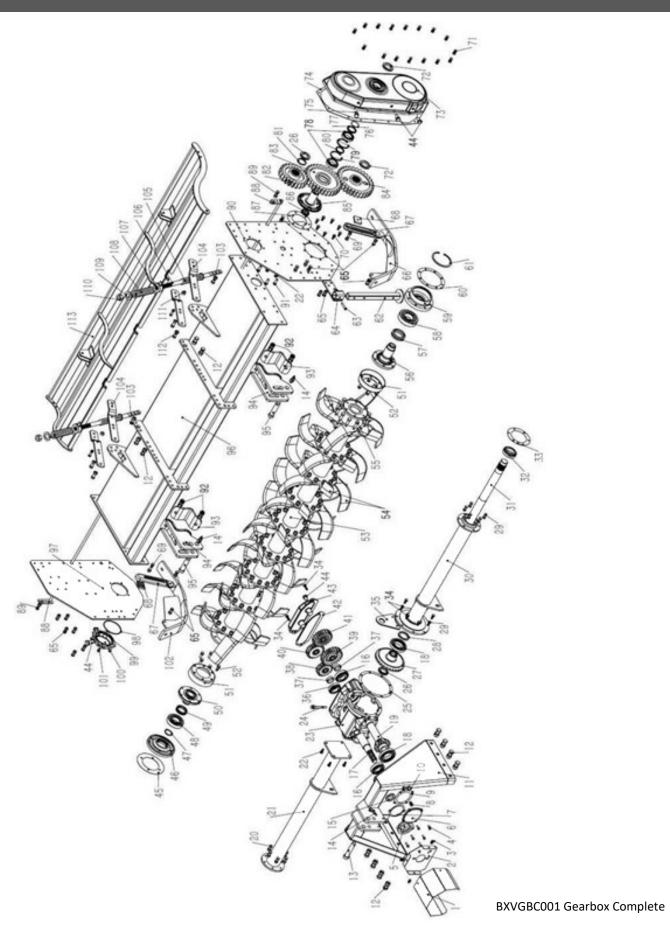






| Item | Part #      | Description                            | Qty.           |
|------|-------------|--|----------------|
| 31   | BV0311-75   | Drive Shaft -BXV-076                   | -              |
|      | BV0311-86   | Drive Shaft -BXV-086                   | -              |
|      | BV0311-94   | Drive Shaft -BXV-094                   | -              |
|      | BV0311-104  | Drive Shaft -BXV-104                   | -              |
| 32   | B32210JR    | Bearing- 32210JR                       | 1              |
| 33   | BV0312      | Gasket Drive Shaft—162 x 111 x 1       | 1              |
| 34   | BM1012535   | Bolt- M10 x 1.25 x 35                  | 4              |
| 35   | BV0322      | Gearbox Lift Bracket                   | 1              |
| 36   | B32208JR    | Bearing 32208JR                        | 1              |
| 37   | BV0308      | Spacer for Exchange Gear 48 x 40x15    | 2              |
| 38   | BV0304      | Exchange Gear- Z16                     | 1              |
| 39   | BV0307      | Exchange Gear- Z22                     | 1              |
| 40   | BV0303      | Exchange Gear- Z18                     | 1              |
| 41   | BV0306      | Exchange Gear- Z20                     | 1              |
| 42   | BV0302      | Gasket - Rear Cover                    | 1              |
| 43   | BV0305      | Rear Cover                             | 1              |
| 44   | OP1615      | Oil Plug- M16 x 1.5                    | 4              |
| 45   | BV0407      | Gasket for Rotor- Right Side of Tiller | 1              |
| 46   | BV0406      | Bearing Support - Right Side           | 1              |
| 47   | SRE-50      | Snap Ring- M50 External                | 1              |
| 48   | B20310C     | Bearing- 20310C                        | 1              |
| 49   | OSFH0610    | Floating Oil Seal- FH0610              | 1              |
| 50   | BV0405      | Rotor Support Shaft - Right            |                |
| 51   | BV0403      | Rotor Shield                           | 2              |
| 52   | BM1212535   | Bolt- M12 x 1.25 x 35                  | 12             |
| 53   | BV0401 - 75 | Rotor Shaft - BXV-075                  | 1              |
| 54   | BV0210R     | Tiller Tine- Right                     | 24-27-30-33    |
|      | BV0210L     | Tiller Tine- Left                      | 24-27-30-33    |
| 55   | BM141540    | Bolt- 14 x 1.5 x 40                    | 96-108-120-132 |
|      | LW14        | Lock Washer- M14                       | 96-108-120-132 |
|      | NM1415      | Nut- M14 x 1.5                         | 96-108-120-132 |
| 56   | BV0402      | Rotor Support Shaft - Left             | 1              |
| 57   | OSH0720A    | FH0720A Floating Seal                  | 1              |
| 58   | B21312      | Bearing- 21312                         | 1              |
| 59   | BV0401      | Bearing support                        | 1              |

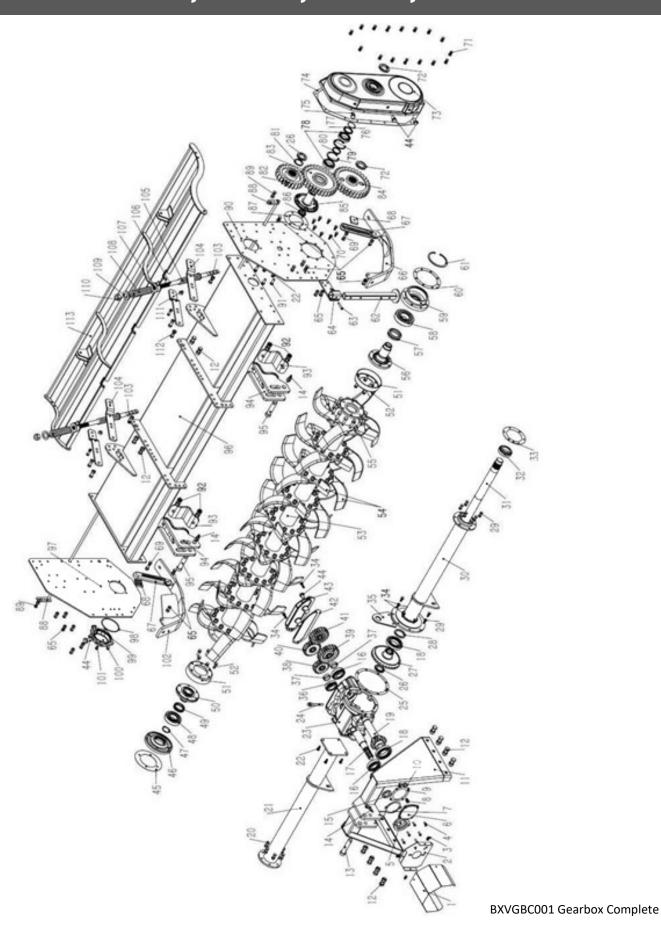






| Item | Part #     | Description                            | Qty. |
|------|------------|--|------|
| 60   | BV0511     | Gasket for Rotor- Left Side            | 1    |
| 61   | SRI-130    | Snap Ring- M130 - Internal             | 1    |
| 62   | BV0702     | Stand                                  | 1    |
| 63   | BV0703     | Lynch Pin- M10 x 55                    | 1    |
| 64   | BV0701     | Bracket - Stand                        | 1    |
| 65   | BM1212535  | Bolt- M12 x 1.25 x 35                  | 16   |
| 66   | BV0902     | Skid Weldment -Left                    | 1    |
| 67   | BV0801     | Skid Adjustment Bracket                | 2    |
| 68   | BV0802     | Skid Adjustment Stop                   | 2    |
| 69   | BM1212560  | Bolt- M12 x 1.25 x 60                  | 2    |
| 70   | BM1012525  | Bolt- M10 x 1.25 x 25                  | 8    |
| 71   | BM1012525  | Bolt- M10 x 1.25 x 25                  | 14   |
| 72   | SLNM5015   | Spanner locking nut M50 x 1.5          | 2    |
| 73   | BV0500     | Gear Cover                             | 1    |
| 74   | BV0507     | Gasket- Gear Cover                     | 1    |
| 75   | OP1615B    | Breather Cap - M16 x 1.5               | 1    |
| 76   | OR50x18    | O-Ring- M50 x 1.8                      | 1    |
| 77   | BV0503     | Spacer- Idler Gear- M63.5 x 50 x 6.5   | 1    |
| 78   | B32010JR   | Bearing- 32010JR                       |      |
| 79   | SRI-80     | Snap Ring- Internal- M80               | 2    |
| 80   | BV0505     | Gasket- Center Gear- M57 x 50 x 5      | 1    |
| 81   | BV0506     | Spacer- Top Gear- M63 x 50 x 2         | 1    |
| 82   | BV0508     | Gear- Top- Z-23                        | 1    |
| 83   | BV0502     | Gear- Idler- Z-31                      | 1    |
| 84   | BV0501     | Gear- Bottom- Z-31                     | 1    |
| 85   | BV0510     | Idler Gear Hub                         | 1    |
| 86   | LNM3515    | Self-locking Nut- M35 x 1.5            | 1    |
| 87   | BV0509     | Gasket- Idler Gear hub- M170 x 140 x 1 | 1    |
| 88   | BV0605-75  | Rod- Tail Gate- BXV-075                | 2    |
|      | BV0605-85  | Rod- Tail Gate- BXV-085                | 2    |
|      | BV0605-94  | Rod- Tail Gate- BXV-094                | 2    |
|      | BV0605-104 | Rod- Tail Gate- BXV-0104               | 2    |
| 89   | BM1212545  | Bolt- M12 x 1.25 x 45                  | 2    |
| 90   | BV0506     | Side Board- Left                       | 1    |
| 91   | BM1212540  | Bolt- M12 x 1.25 x 40                  | 4    |
|      |            |  |      |

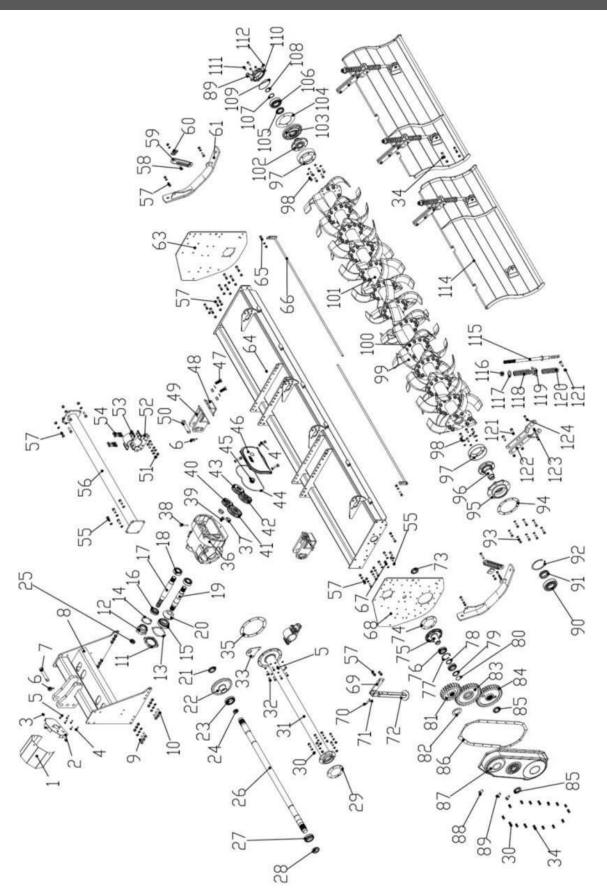






| Item | Part #     | Description                                  | Qty. |
|------|------------|--|------|
| 92   | BM181550   | Bolt- M18 x 1.5 x 50                         | 4    |
| 93   | BV0204     | Hitch Block Support                          | 2    |
| 94   | BV0203     | Lower Hitch Block                            | 2    |
| 95   | BV0205     | Lower Hitch Pin                              | 2    |
| 96   | BV0201-75  | Main Frame - BXV-075                         | 1    |
|      | BV0201-85  | Main Frame - BXV-085                         | 1    |
|      | BV0201-94  | Main Frame - BXV-094                         | 1    |
|      | BV0201-104 | Main Frame - BXV-104                         | 1    |
| 97   | BV0202     | Side Board - Right                           | 1    |
| 98   | OR118x355  | O-Ring- M118 x 3.55                          | 1    |
| 99   | OP12125    | Oil Plug- M12 x 1.25                         | 1    |
| 100  | BV0409     | Rotor Cap                                    | 1    |
| 101  | BM1212540  | Bolt- M12 x 1.25 x 40                        | 4    |
| 102  | BV0901     | Skid Weldment- Right                         | 1    |
| 103  | BM1012545  | Bolt- M10 x 1.25 x 45                        | 2    |
| 104  | BV0603     | Bracket- Tailgate Spring                     | 4    |
| 105  | BV0609     | Lower Spring- Tailgate- M184                 | 2    |
| 106  | BV0605     | Rod- Tailgate                                | 2    |
| 107  | BV0606     | Spring Bushing                               | 2    |
| 108  | BV0601     | Upper Spring- Tailgate- M175                 | 2    |
| 109  | FW24       | Flat Washer- M24                             | 2    |
| 110  | LNM2415    | Self-Locking Nut- M24 x 1.5                  | 2    |
| 111  | BV0604     | Spacer- Tailgate Brackets- M26 x 10.5 x 10   | 2    |
| 112  | BM141545   | Bolt- M14 x 1.5 x 45                         | 6    |
| 113  | BV0602-075 | Tailgate- BXV-075                            | 1    |
|      | BV0602-085 | Tailgate- BXV-085                            | 1    |
|      | BV0602-094 | Tailgate- BXV-094                            | 1    |
|      | BV0602-104 | Tailgate- BXV-104                            | 1    |
|      | 147130     | Complete PTO - Series 80 - 220mm Slip Clutch |      |
|      | 180-510-80 | Friction Disc – 6.30" OD                     |      |
|      | BXVGBC001  | Complete Gearbox                             |      |



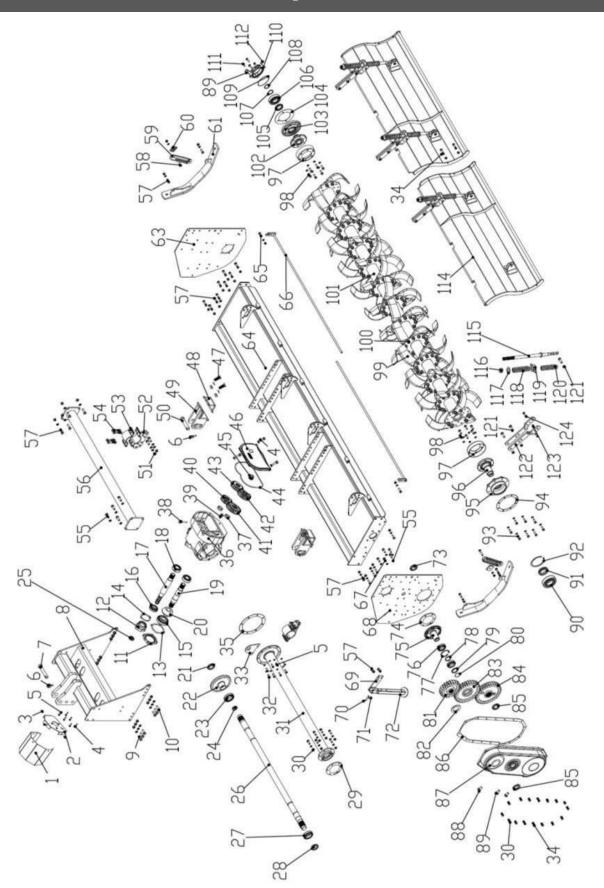


CXTGBC001 Gearbox Complete



| Item | Part #     | Description               | Qty. |
|------|------------|---------------------------|------|
| 1    | BV0317     | PTO shield                | 1    |
| 2    | BV0321     | PTO shield support        | 1    |
| 3    | BM812516   | Bolt- M8 x 1.25 x 16      | 3    |
| 4    | BM1012535  | Bolt- M10 x 1.25 x 35     | 7    |
| 5    | BM1012535  | Bolt- M10 x 1.25 x 35     | 4    |
| 6    | LYNPN10    | Lynch Pin- M10            | 3    |
| 7    | BV0103     | Top Hitch Pin             | 1    |
| 8    | CX0101     | A-Frame                   | 1    |
| 9    | BM141540   | Bolt- M14 x 1.5 x 40      | 8    |
| 10   | BM141545   | Bolt- M14 x 1.5 x 45      | 4    |
| 11   | CX0315     | Bearing Cap- Pinion Shaft | 1    |
| 12   | CX0320     | Cap- Input Shaft          | 1    |
| 13   | CX0314     | Gasket- Pinion shaft      | 1    |
| 14   | CX0318     | Gasket- Input Shaft       | 1    |
| 15   | B31310     | Bearing- 31310            | 1    |
| 16   | B30208     | Bearing- 30208            | 1    |
| 17   | CX0319     | Input Shaft               | 1    |
| 18   | B33208     | Bearing- 33208            | 2    |
| 19   | CX0316     | Pinion Shaft              | 1    |
| 20   | CX0323     | Pinion Gear               | 1    |
| 21   | NM4515     | Nut- M45 x 1.5            | 1    |
| 22   | CX0322     | Ring Gear                 | 1    |
| 23   | B32012     | Bearing- 32012            | 1    |
| 24   | OS60758    | Oil Seal- M60 x 75 x 8    | 1    |
| 25   | OS406210   | Oil Seal- M40 x 62 x 10   | 1    |
| 26   | CX0311-076 | Drive Shaft CXT-076       | 1    |
|      | CX0311-086 | Drive Shaft CXT-086       | 1    |
|      | CX0311-095 | Drive Shaft CXT-095       | 1    |
|      | CX0311-104 | Drive Shaft CXT-104       | 1    |
|      | CX0311-112 | Drive Shaft CXT-112       | 1    |
|      | CX0311-121 | Drive Shaft CXT-121       | 1    |
|      |            |                           |      |



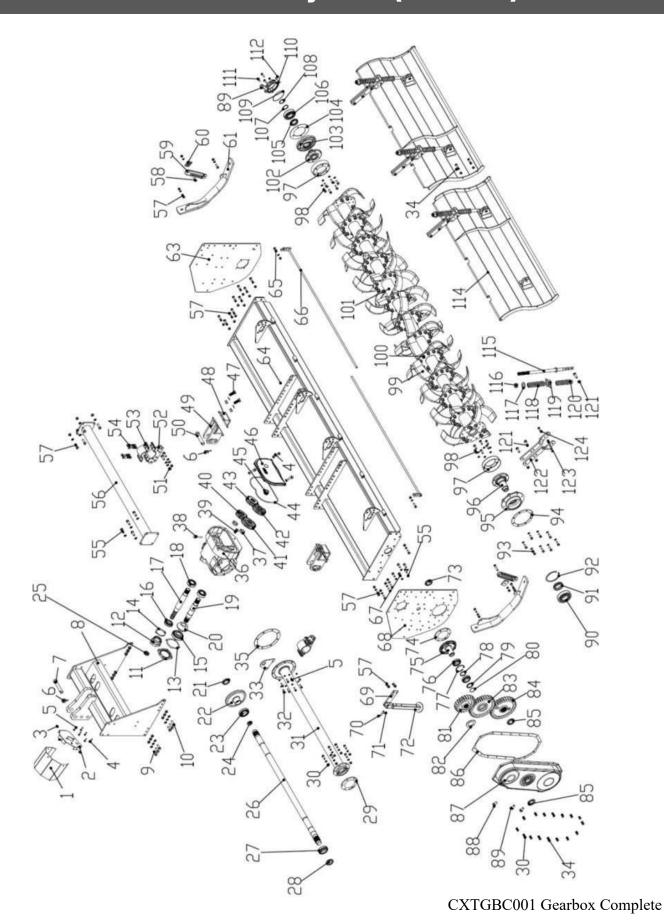


CXTGBC001 Gearbox Complete



| Item | Part #        | Description                         | Qty. |
|------|---------------|-------------------------------------|------|
| 27   | B32210        | Bearing- 32210                      | 1    |
| 28   | SLNM4515      | Spanner Self-locking Nut- M45 x 1.5 | 1    |
| 29   | BV0312        | Gasket - Drive Tube Outer           | 1    |
| 30   | BM1012530     | Bolt- M10 x 1.25 x 30               | 20   |
| 31   | CX0310-076    | Drive Shaft Tube Housing - CXT-076  | 1    |
|      | CX0310-086    | Drive Shaft Tube Housing - CXT-086  | 1    |
|      | CX0310-095    | Drive Shaft Tube Housing - CXT-095  | 1    |
|      | CX0310-104    | Drive Shaft Tube Housing - CXT-104  | 1    |
|      | CX0310-112    | Drive Shaft Tube Housing - CXT-112  | 1    |
|      | CX0310-121    | Drive Shaft Tube Housing - CXT-121  | 1    |
| 32   | BM1012530     | Bolt- M10 x 1.25 x 30               | 6    |
| 33   | BV0322        | Gearbox Lift Bracket                | 1    |
| 34   | BM1012535     | Bolt- M10 x 1.25 x 35               | 4    |
| 35   | CX0309        | Gasket- Drive Tube- Inner           | 1    |
| 36   | CX0313        | Gearbox Housing                     | 1    |
| 37   | CX0308        | Spacer- Exchange Gear               | 2    |
| 38   | YT10660303000 | Dipstick                            | 1    |
| 39   | OP1415        | Oil Plug- M14 x 1.5                 | 1    |
| 40   | CX0304        | Exchange Gear- Z17                  | 1    |
| 41   | CX0303        | Exchange Gear- Z23                  | 1    |
| 42   | CX0307        | Exchange Gear- Z21                  | 1    |
| 43   | CX0306        | Exchange Gear- Z19                  | 1    |
| 44   | CX0302        | Gasket Rear Cover                   | 1    |
| 45   | CX0312        | Gear Shaft                          | 1    |
| 46   | CX0305        | Gearbox Cover                       | 1    |
| 47   | BM151550      | Bolt- M18 x 1.5 x 50                | 4    |
| 48   | BX0207        | Hitch Block Support                 | 2    |
| 49   | CX0205        | Hitch Block                         | 2    |
| 50   | CX0204        | Lower Hitch Pin - Cat. 2            | 2    |
| 51   | BM1412540     | Bolt- M14 x 1.50 x 40               | 4    |
| 52   | CX0203        | Lower Tube Support                  | 2    |

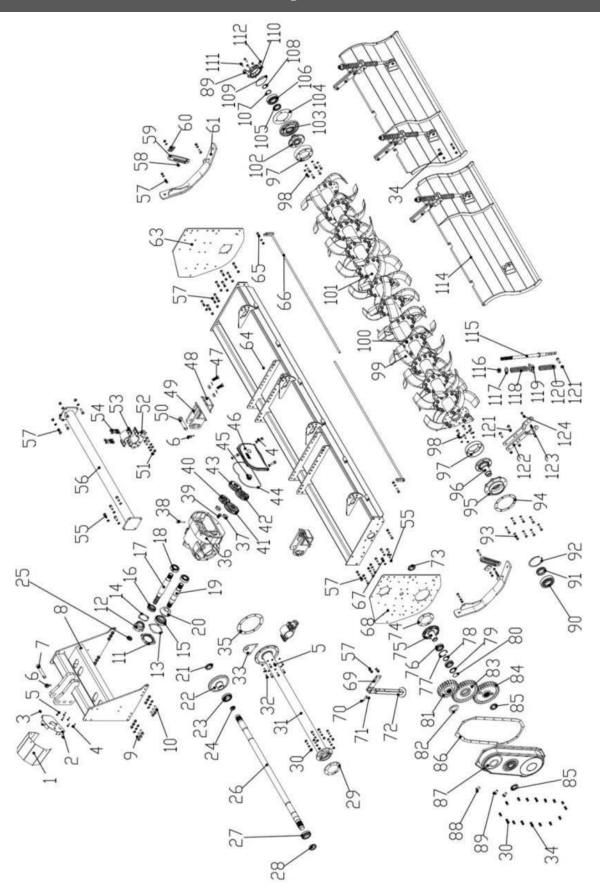






|      |            | (************************************** |      |
|------|------------|---|------|
| Item | Part #     | Description                             | Qty. |
| 53   | CX0202     | Upper Tube Support                      | 2    |
| 54   | BM1212540  | Bolt- M12 x 1.25 x 40                   | 8    |
| 55   | BM1212530  | Bolt- M12 x 1.25 x 30                   | 5    |
| 56   | CX0301-076 | Gearbox Support Tube- CXT-076           | 1    |
|      | CX0301-086 | Gearbox Support Tube- CXT-086           | 1    |
|      | CX0301-095 | Gearbox Support Tube- CXT-095           | 1    |
|      | CX0301-104 | Gearbox Support Tube- CXT-104           | 1    |
|      | CX0301-110 | Gearbox Support Tube- CXT-112           | 1    |
|      | CX0301-121 | Gearbox Support Tube- CXT-121           | 1    |
| 57   | BM1212535  | Bolt- M12 x 1.25 x 35                   | 24   |
| 58   | BM1212560  | Bolt- M12 x 1.25 x 60                   | 2    |
| 59   | BX0802     | Skid Adjustment Stop                    | 2    |
| 60   | BX0801     | Skid Adjustment Bracket                 | 2    |
| 61   | BV0901     | Skid Weldment - Right                   | 1    |
| 62   | BV0902     | Skid Weldment - Left                    | 1    |
| 63   | CX0201     | Side Board-Right                        | 1    |
| 64   | CX300-076  | Main Frame- CXT-076                     | 1    |
|      | CX300-086  | Main Frame- CXT-086                     | 1    |
|      | CX300-095  | Main Frame- CXT-095                     | 1    |
|      | CX300-104  | Main Frame- CXT-104                     | 1    |
|      | CX300-112  | Main Frame- CXT-112                     | 1    |
|      | CX300-121  | Main Frame- CXT-121                     | 1    |
| 65   | BM1212545  | Bolt- M12 x 1.25 x 45                   | 2    |
| 66   | CX0603-076 | Rod Tailgate- CXT-076                   | 2    |
|      | CX0603-086 | Rod Tailgate- CXT-086                   | 2    |
|      | CX0603-095 | Rod Tailgate- CXT-095                   | 2    |
|      | CX0603-104 | Rod Tailgate- CXT-104                   | 2    |
|      | CX0603-112 | Rod Tailgate- CXT-112                   | 2    |
|      | CX0603-121 | Rod Tailgate- CXT-121                   | 2    |
| 67   | BM1212540  | Bolt- M12 x 1.25 x 40                   | 4    |
| 68   | BV0506     | Side Board- Left                        | 1    |

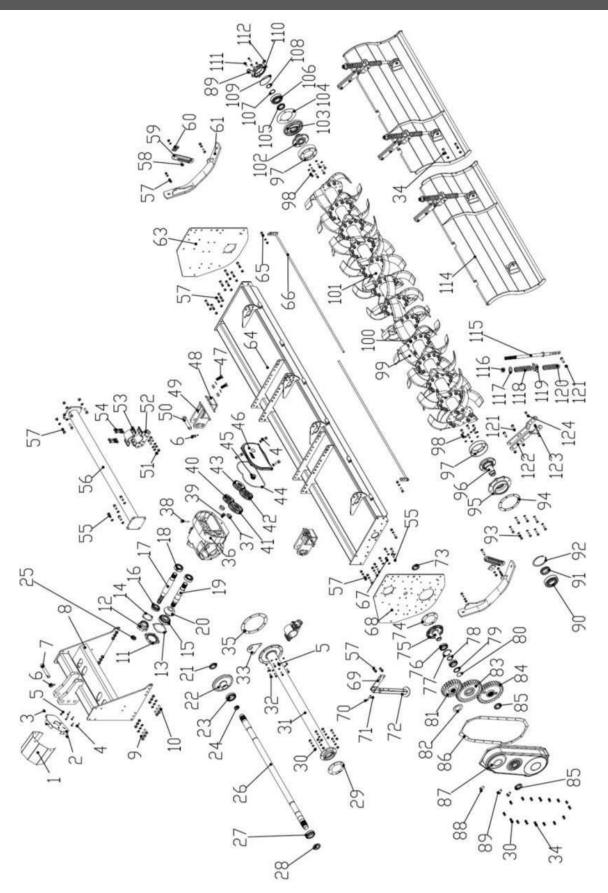






| Item | Part #    | Description                            | Qty. |
|------|-----------|--|------|
| 69   | BV0701    | Bracket- Stand                         | 1    |
| 70   | LYNPN10   | Lynch Pin- M10 x 55                    | 1    |
| 71   | RC3       | R-Clip- M3                             | 1    |
| 72   | BV0702    | Stand                                  | 1    |
| 73   | NM3515    | Nut- M35 x 1.5                         | 1    |
| 74   | BV0509    | Gasket- Idler Gear Hub- M170 x 140 x 1 | 1    |
| 75   | BV0510    | Idler Gear Hub                         | 1    |
| 76   | B32010    | Bearing- 32010                         | 2    |
| 77   | SRI-80    | Snap Ring- M80- Internal               | 2    |
| 78   | BV0504    | Spacer- M63 x 50 x 2                   | 1    |
| 79   | BV0503    | Idler Gear Spacer- M63.5 x 50 x 6.5    | 1    |
| 80   | OR50x1.8  | O Ring- M50 x 1.8                      | 1    |
| 81   | BV0508    | Top Gear- Z23                          | 1    |
| 82   | BV0504    | Top Gear Spacer- M63 x 50 x 2          | 1    |
| 83   | BV0502    | Idler Gear- Z31                        | 1    |
| 84   | BV0501    | Bottom Gear- Z31                       | 1    |
| 85   | SLNM5015  | Spanner locking nut M50 x 1.5          | 2    |
| 86   | BV0507    | Gasket for Side Gear Cover             | 1    |
| 87   | BV0500    | Gear Cover                             | 1    |
| 88   | OP1615V   | Breather Cap- M16 x 1.5 Vented         | 1    |
| 89   | OP1615    | Oil Plug- M16 x 1.5                    | 3    |
| 90   | B6312     | Bearing- 6312                          | 1    |
| 91   | OSHF0720A | Oil Seal- HF0720A                      | 1    |
| 92   | SRI-130   | Snap Ring- M130- Internal              | 1    |
| 93   | BM1012525 | Bolt- M10 x 1.25 x 25                  | 8    |
| 94   | CX0511    | Gasket for Left Side of Rotor          | 1    |
| 95   | CX0401    | Bearing Support                        | 1    |
| 96   | BV0402    | Rotor Support Shaft - Left             | 1    |
| 97   | BV0403    | Rotor Shield                           | 2    |
| 98   | BM1212535 | Bolt- M12 x 1.25 x 35                  | 12   |



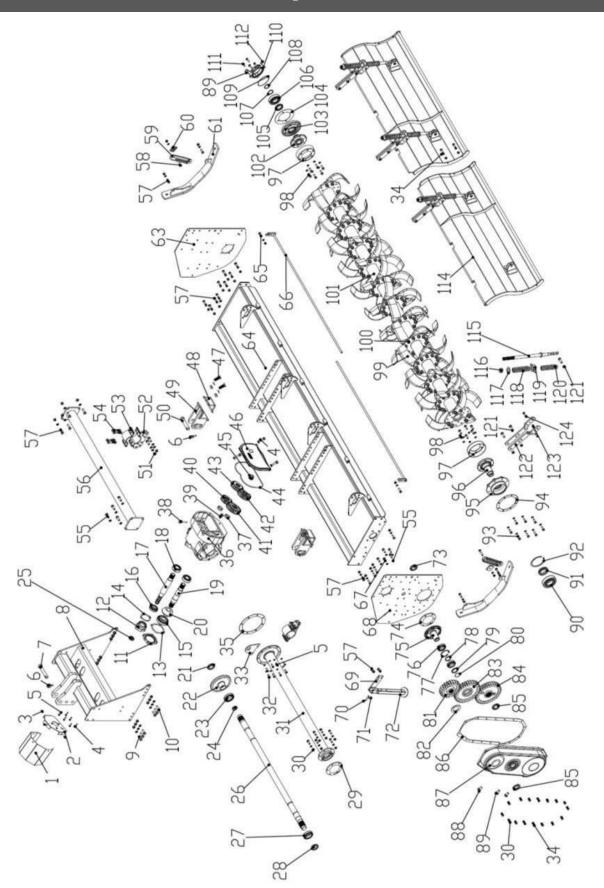


CXTGBC001 Gearbox Complete



| Item | Part #     | Description                                | Qty. |
|------|------------|--|------|
| 99   | BV0210R    | Tiller Tine- Right (CXT-076)               | 21   |
|      | BV0210L    | Tiller Tine- Left (CXT-076)                | 21   |
|      | BV0210R    | Tiller Tine- Right (CXT-086)               | 24   |
|      | BV0210L    | Tiller Tine- Left (CXT-086)                | 24   |
|      | BV0210R    | Tiller Tine- Right (CXT-095)               | 27   |
|      | BV0210L    | Tiller Tine- Left (CXT-095)                | 27   |
|      | BV0210R    | Tiller Tine- Right (CXT-104)               | 30   |
|      | BV0210L    | Tiller Tine- Left (CXT-104)                | 30   |
|      | BV0210R    | Tiller Tine- Right (CXT-112)               | 33   |
|      | BV0210L    | Tiller Tine- Left (CXT-112)                | 33   |
|      | BV0210R    | Tiller Tine- Right (CXT-121)               | 36   |
|      | BV0210L    | Tiller Tine- Left (CXT-121)                | 36   |
| 100  | BM141540   | Bolt- M14 x 1.5 x 40                       | -    |
|      | LW14       | Washer, lock M14                           | -    |
|      | NM1415     | Nut, HH M14-1.5                            | -    |
| 101  | CX0401-076 | Rotor Shaft- CXT-076                       | 1    |
|      | CX0401-086 | Rotor Shaft- CXT-086                       | 1    |
|      | CX0401-095 | Rotor Shaft- CXT-095                       | 1    |
|      | CX0401-104 | Rotor Shaft- CXT-104                       | 1    |
|      | CX0401-112 | Rotor Shaft- CXT-112                       | 1    |
| 101  | CX0401-121 | Rotor Shaft- CXT-121                       | 1    |
| 102  | BV0405     | Rotor Support Shaft- Right                 | 1    |
| 103  | BV0406     | Bearing Support                            | 1    |
| 104  | BV0407     | Gasket- M192 x 118 x 1                     | 1    |
| 105  | OSHP0610   | Oil Seal- HP0610                           | 1    |
| 106  | B6310      | Bearing- 6310                              | 1    |
| 107  | BV0408     | Spacer- Rotor Support- Right- M63 x 50 x 4 | 1    |
| 108  | SRE-50     | Snap Ring- External- M50                   | 1    |
| 109  | OR118x3.55 | O-Ring- M118 x 3.55                        | 1    |
| 110  | BV0409     | Rotor Cap                                  | 1    |
| 111  | BM1212540  | Bolt- M12 x 1.25 x 40                      | 4    |
| 112  | OP12125    | Oil Plug- M12 x 1.25                       | 1    |



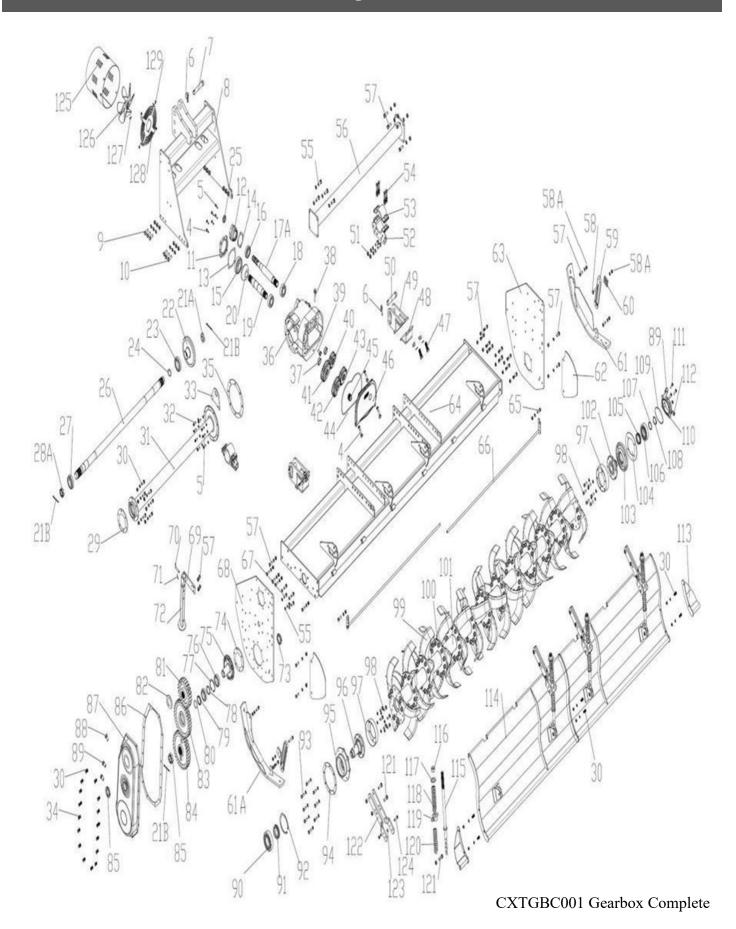


CXTGBC001 Gearbox Complete



| Item | Part #      | Description                                   | Qty. |
|------|-------------|---|------|
| 114  | CX0601-076R | Tailgate- Right- CXT-076                      | 1    |
|      | CX0601-076L | Tailgate- Left- CXT-076                       | 1    |
|      | CX0601-086R | Tailgate- Right- CXT-086                      | 1    |
|      | CX0601-086L | Tailgate- Left- CXT-086                       | 1    |
|      | CX0601-095R | Tailgate- Right- CXT-095                      | 1    |
|      | CX0601-095L | Tailgate- Left- CXT-095                       | 1    |
|      | CX0601-104R | Tailgate- Right- CXT-104                      | 1    |
|      | CX0601-104L | Tailgate- Left- CXT-104                       | 1    |
|      | CX0601-112R | Tailgate- Right- CXT-112                      | 1    |
|      | CX0601-112L | Tailgate- Left- CXT-112                       | 1    |
|      | CX0601-121R | Tailgate- Right- CXT-121                      | 1    |
|      | CX0601-121L | Tailgate- Left- CXT-121                       | 1    |
| 115  | BV0605      | Rod- Tailgate                                 | 2    |
| 116  | LNM243      | Self-locking Nut- M24 x 3.0                   | 4    |
| 117  | FW24        | Flat Washer- M24                              | 4    |
| 118  | BV0601      | Upper Tailgate Spring- M175                   | 4    |
| 119  | BV0606      | Spring Bushing                                | 4    |
| 120  | BV0609      | Lower Tailgate Spring- M184                   | 4    |
| 121  | BM141545    | Bolt- M14 x1.5 x 45                           | 12   |
| 122  | BV0603      | Tailgate Spring Bracket-                      | 8    |
| 123  | BV0604      | Spacer for Tailgate Brackets- M26 x 10.5 x 10 | 4    |
| 124  | BM1012545   | Bolt- M10 x 1.25 x 45                         | 4    |
|      | CXTGBC001   | Gearbox Complete- with exchange gears         |      |
|      | 147130      | Complete PTO - Series 80 - M220 Slip Clutch   | 1    |
|      | 180-510-60  | Friction Disc – 6.30" OD                      | 1    |

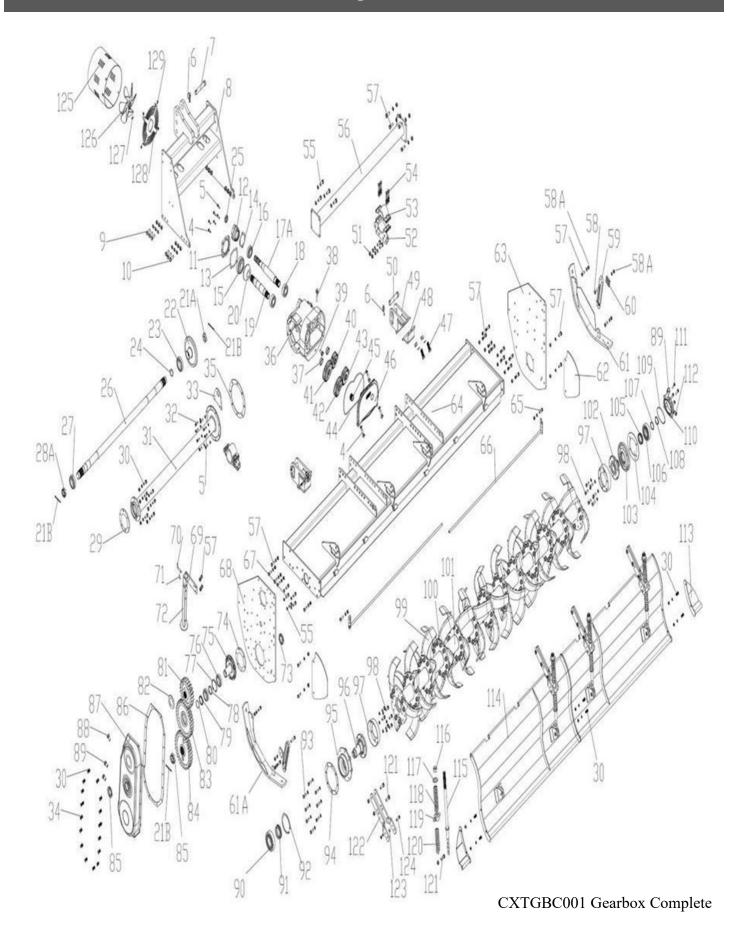






| Item | Part #     | Description              | Qty. |
|------|------------|--------------------------|------|
| 1    | N/A        |                          |      |
| 2    | N/A        |                          |      |
| 3    | N/A        |                          |      |
| 4    | BM1012535  | Bolt- M10 x 1.25 x 35    | 7    |
| 5    | BM1012535  | Bolt- M10 x 1.25 x 35    | 4    |
| 6    | LYNPN10    | Lynch Pin- M10           | 3    |
| 7    | BV0103     | Top Hitch Pin            | 1    |
| 8    | CX0101     | A-Frame                  | 1    |
| 9    | BM141540   | Bolt- M14 x 1.5 x 40     | 8    |
| 10   | BM141545   | Bolt- M14 x 1.5 x 45     | 4    |
| 11   | CX0315     | Pinion Shaft Bearing Cap | 1    |
| 12   | CX0320     | Input Shaft Cap          | 1    |
| 13   | CX0314     | Pinion Shaft Gasket      | 1    |
| 14   | CX0318     | Input Shaft Gasket       | 1    |
| 15   | B31310     | Bearing- 31310 (HRB)     | 1    |
| 16   | B31208     | Bearing- 30208 (HRB)     | 1    |
| 17   | CX0319A    | Input Shaft              | 1    |
| 18   | B33208     | Bearing- 33208 (HRB)     | 2    |
| 19   | CX0316     | Pinion Shaft             | 1    |
| 20   | CX0323     | Pinion Gear              | 1    |
| 21   | CP5x80     | Cotter Pin- M5 x 80      |      |
| 22   | CX0322     | Ring Gear                | 1    |
| 23   | B32012     | Bearing- 32012 (HRB)     | 1    |
| 24   | OS607508   | Oil Seal- M60 x 75 x 8   | 1    |
| 25   | OS406210   | Oil Seal- M40 x 62 x 10  | 1    |
| 26   | CX0311-086 | Drive Shaft- CXT-086     | 1    |
|      | CX0311-095 | Drive Shaft- CXT-095     | 1    |
|      | CX0311-104 | Drive Shaft- CXT-104     | 1    |
|      | CX0311-112 | Drive Shaft- CXT-112     | 1    |
|      | CX0311-121 | Drive Shaft- CXT-121     | 1    |
| 27   | B32210     | Bearing- 32210 (HRB)     | 1    |

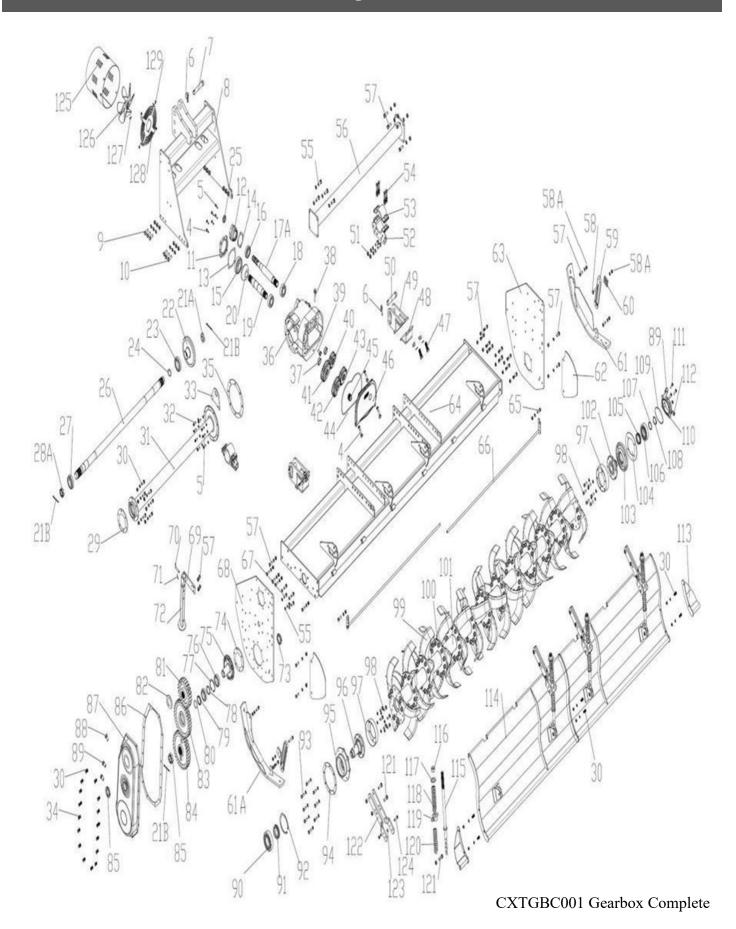






| Item | Part #        | Description                         | Qty. |
|------|---------------|-------------------------------------|------|
| 28   | SLNM4515      | Spanner Self-locking Nut- M45 x 1.5 | 1    |
| 29   | BV0312        | Gasket- Drive Tube Outer            |      |
| 30   | BM1012530     | Bolt- M10 x 1.25 x 30               | 20   |
| 31   | CX0310-086    | Gearbox Shaft Tube Housing- CXT-086 | 1    |
|      | CX0310-095    | Gearbox Shaft Tube Housing- CXT-095 | 1    |
|      | CX0310-104    | Gearbox Shaft Tube Housing- CXT-104 | 1    |
|      | CX0310-112    | Gearbox Shaft Tube Housing- CXT-112 | 1    |
|      | CX0310-121    | Gearbox Shaft Tube Housing- CXT-121 | 1    |
| 32   | BM1012530     | Bolt- M10 x 1.25 x 30               | 6    |
| 33   | BV0322        | Gearbox Lift Bracket                | 1    |
| 34   | BM1012530     | Bolt- M10 x 1.25 x 30               | 20   |
| 35   | CX0309        | Gasket- Drive Tube- Inner           | 1    |
| 36   | CX0313        | Gearbox Housing                     | 1    |
| 37   | CX0308        | Spacer (Exchange Gear)              | 2    |
| 38   | YT10660303000 | Dip Stick                           | 1    |
| 39   | OP1415        | Oil Plug- M14X1.5                   | 1    |
| 40   | CX0304        | Exchange Gear- Z17                  | 1    |
| 41   | CX0303        | Exchange Gear- Z23                  | 1    |
| 42   | CX0307        | Exchange Gear- Z21                  | 1    |
| 43   | CX0306        | Exchange Gear- Z19                  | 1    |
| 44   | CX0302        | Gasket Rear Cover                   | 1    |
| 45   | CX0312        | Gear Shaft                          | 1    |
| 46   | CX0305        | Gearbox Cover                       | 1    |
| 47   | BM181550      | Bolt- M18 x 1.5 x 50                | 4    |
| 48   | BX0207        | Hitch Block Support                 | 2    |
| 49   | CX0205        | Hitch Block                         | 2    |
| 50   | CX0204        | Lower Hitch Pin- Cat.2              | 2    |
| 51   | BM141540      | Bolt- M14 x 1.5 x 40                | 4    |
| 52   | CX0203        | Tube Support-Lower                  | 2    |
| 53   | CX0202        | Tube Support-Upper                  | 2    |
| 54   | BM1212540     | Bolt- M12 x 1.25 x 40               | 8    |

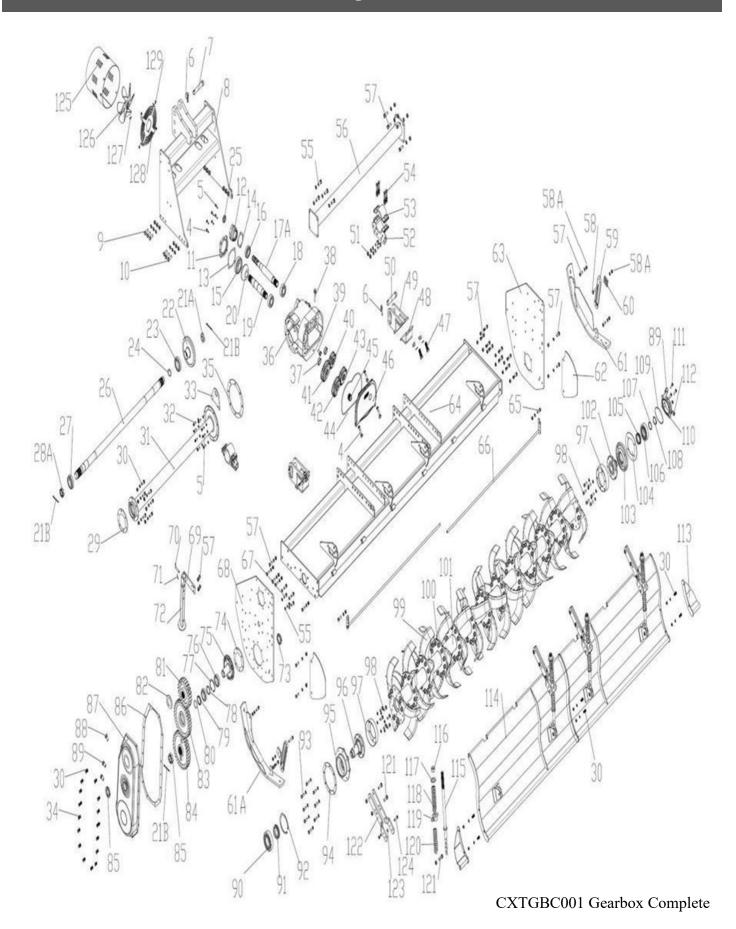






| Item | Part #     | Description                   | Qty. |
|------|------------|-------------------------------|------|
| 55   | BM1212530  | Bolt- M12 x 1.25 x 30         | 5    |
| 56   | CX0301-086 | Gearbox Support Tube- CXT-086 | 1    |
|      | CX0301-095 | Gearbox Support Tube- CXT-095 | 1    |
|      | CX0301-104 | Gearbox Support Tube- CXT-104 | 1    |
|      | CX0301-112 | Gearbox Support Tube- CXT-112 | 1    |
|      | CX0301-121 | Gearbox Support Tube- CXT-121 | 1    |
| 57   | BM1212535  | Bolt- M12 x 1.25 x 35         | 24   |
| 58   | BM1212560  | Bolt- M12 x 1.25 x 60         | 2    |
| 58A  | LNM12125   | Self locking nut M12-1.25     | 26   |
| 59   | BV0801     | Skid Adjustment Bracket       | 2    |
| 60   | BV0802     | Skid Adjustment Stop          | 2    |
| 61   | BV0902     | Skid Weldment- Left           | 1    |
| 61A  | BV0901     | Skid Weldment- Right          | 1    |
| 62   | BV0509     | Gasket- M170 x 140 x 1        | 2    |
| 63   | CX0201     | Side Board- Right             | 1    |
| 64   | CX2050201  | Main Frame- CXT-086           | 1    |
|      | CX2300201  | Main Frame- CXT-095           | 1    |
|      | CX2600201  | Main Frame- CXT-104           | 1    |
|      | CX2800202  | Main Frame- CXT-112           | 1    |
|      | CX3000201  | Main Frame- CXT-121           | 1    |
| 65   | BM1212545  | Bolt- M12 x 1.25 x 45         | 2    |
| 66   | CX0603-086 | Rod- Tail Gate - CXT-086      | 2    |
|      | CX0603-095 | Rod- Tail Gate - CXT-095      | 2    |
|      | CX0603-104 | Rod- Tail Gate - CXT-104      | 2    |
|      | CX0603-112 | Rod- Tail Gate - CXT-112      | 2    |
|      | CX0603-121 | Rod- Tail Gate - CXT-121      | 2    |
| 67   | BM1212540  | Bolt- M12 x 1.25 x 40         | 4    |
| 68   | BV0506     | Side Board- Left              | 1    |
| 69   | BV0701     | Bracket- Stand                | 1    |
| 70   | BV0703     | Lynch Pin- M10 x 55           | 1    |
| 71   | RC3000     | R Clip- M3                    | 1    |
| 72   | BV0702     | Stand                         | 1    |
| 73   | SNM3515    | Spanner Nut- M35 x 1.5        | 1    |

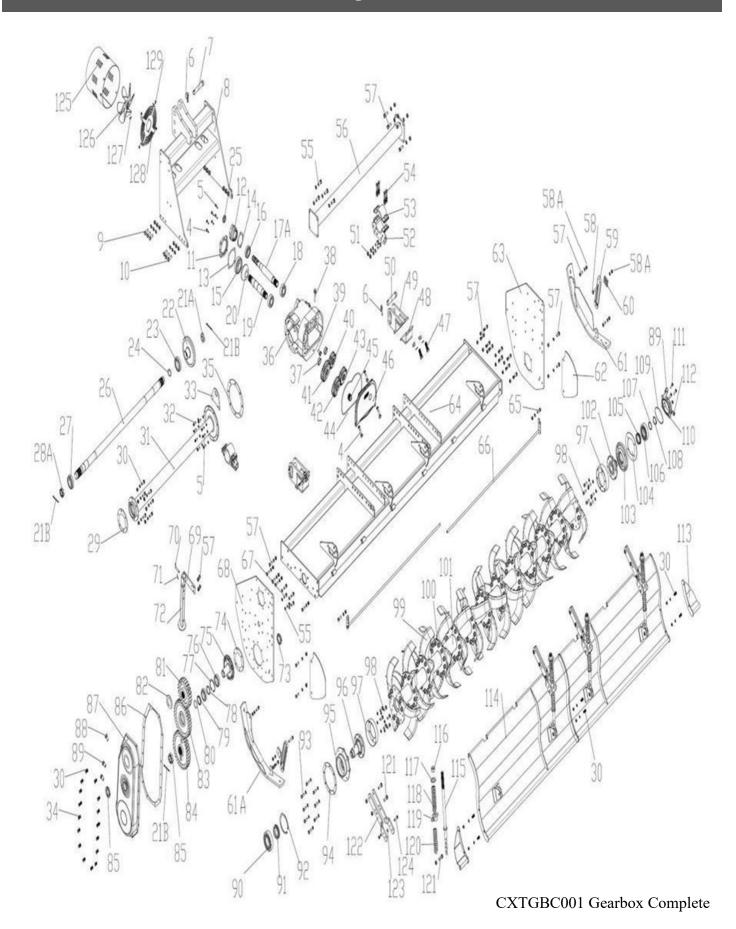






| Item | Part #    | Description                          | Qty. |
|------|-----------|--------------------------------------|------|
| 74   | BV0509    | Gasket- Idler Gear hub               | 1    |
| 75   | BV0510    | Idler Gear Hub                       | 1    |
| 76   | B32010    | Bearing- 32010                       | 2    |
| 77   | SRI-80    | Snap Ring- Internal- M80             | 2    |
| 78   | BV0504    | Spacer- M63 x 50 x 2                 | 1    |
| 79   | BV0503    | Spacer- Idler Gear- M63.5 x 50 x 6.5 | 1    |
| 80   | OR5018    | O-Ring- M50 x 1.8                    | 1    |
| 81   | BV0505    | Gear- Top Z23                        | 1    |
| 82   | BV0506    | Spacer- Top Gear- M63 x 50 x 2       | 1    |
| 83   | BV0502    | Gear- Idler Z31                      | 1    |
| 84   | BV0501    | Gear- Bottom Z31                     | 1    |
| 85   | SLNM5015  | Spanner locking nut M50 x 1.5        | 2    |
| 86   | BV0507    | Gasket - Gear Cover                  | 1    |
| 87   | BV0501    | Gear Cover                           | 1    |
| 88   | OP1615V   | Breather Cap- M16 x 1.5              | 1    |
| 89   | OP1615    | Oil Plug- M16 x 1.5                  | 3    |
| 90   | B6312     | Bearing- 6312                        | 1    |
| 91   | OSHF0720A | Oil Seal- HF0720A                    | 1    |
| 92   | SRI130    | Snap Ring- Internal- M130            | 1    |
| 93   | BM1012525 | Bolt- M10 x 1.25 x 25                | 8    |
| 94   | CX0511    | Gasket - Left Rotor                  | 1    |
| 95   | CX0401    | Bearing support                      | 1    |
| 96   | BV0402    | Rotor Support Shaft - Left           | 1    |
| 97   | BV0403    | Rotor Shield                         | 2    |
| 98   | BM1212535 | Bolt- M12 x 1.25 x 35                | 12   |

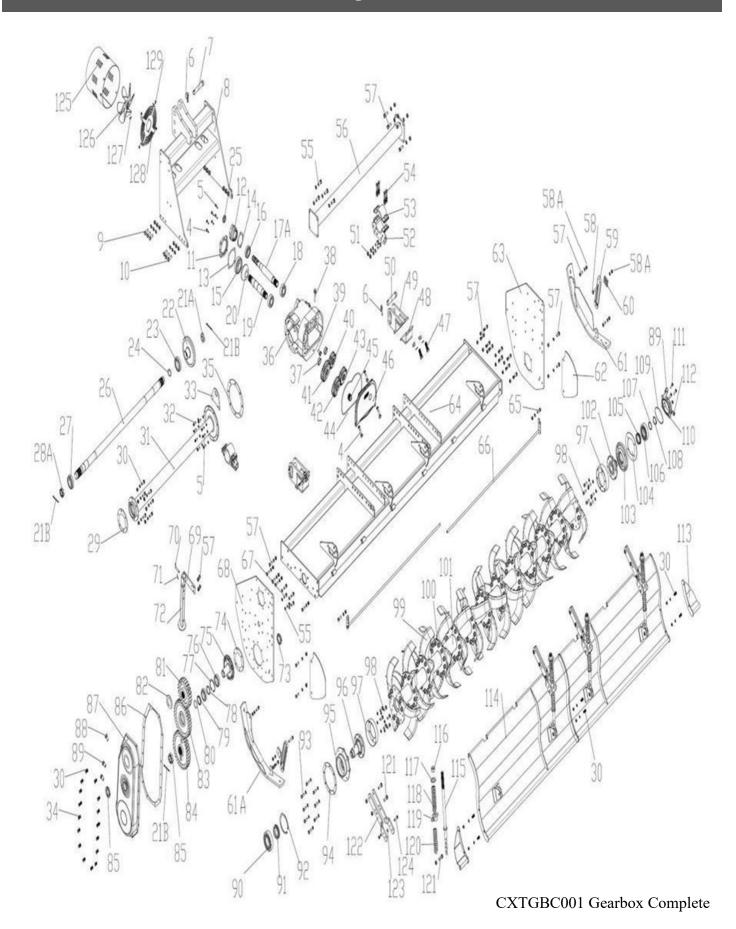






| Item | Part #     | Description                                | Qty. |
|------|------------|--|------|
| 99   | BV0210R    | Tiller Tine- Right (CXT-086)               | 24   |
|      | BV0210L    | Tiller Tine- Left (CXT-086)                | 24   |
|      | BV0210R    | Tiller Tine- Right (CXT-095)               | 27   |
|      | BV0210L    | Tiller Tine- Left (CXT-095)                | 27   |
|      | BV0210R    | Tiller Tine- Right (CXT-104)               | 30   |
|      | BV0210L    | Tiller Tine- Left (CXT-104)                | 30   |
|      | BV0210R    | Tiller Tine- Right (CXT-112)               | 33   |
|      | BV0210L    | Tiller Tine- Left (CXT-112)                | 33   |
|      | BV0210R    | Tiller Tine- Right (CXT-121)               | 36   |
|      | BV0210L    | Tiller Tine- Left (CXT-121)                | 36   |
| 100  | BM141540   | Bolt- M14 x 1.5 x 40                       | 156  |
|      | LW14       | Washer, lock M14                           | 156  |
|      | LN1415     | Nut, lock M14-1.5                          | 156  |
| 101  | CX0401-086 | Rotor Shaft- CXT-086                       | 1    |
|      | CX0401-095 | Rotor Shaft- CXT- 095                      | 1    |
|      | CX0401-104 | Rotor Shaft- CXT-104                       | 1    |
|      | CX0401-112 | Rotor Shaft- CXT-112                       | 1    |
|      | CX0401-121 | Rotor Shaft- CXT-121                       | 1    |
| 102  | BV0405     | Rotor Support Shaft- Right                 | 1    |
| 103  | BV0406     | Support Bearing- Rotor- Right              | 1    |
| 104  | BV0407     | Gasket- Rotor- Right- M192 x 118 x 1       | 1    |
| 105  | OSHF0610   | Oil Seal- HF0610                           | 1    |
| 106  | B6310      | Bearing- 6310 (HRB)                        | 1    |
| 107  | BV0408     | Spacer- Rotor Support- Right- M63 x 50 x 4 | 1    |
| 108  | SRE-50     | Snap Ring- External- M50                   | 1    |
| 109  | OR118355   | Oil Ring- M118 x 3.55                      | 1    |
| 110  | BV0409     | Rotor Cap                                  | 1    |
| 111  | BM1212540  | Bolt- M12 x 1.25 x 40                      | 4    |
| 112  | OP12125    | Oil Plug- M12 x 1.5                        | 1    |
| 113A | CX0113A    | Tailgate Extension- Left                   | 1    |
| 113B | CX0113B    | Tailgate Extension—Right                   | 1    |



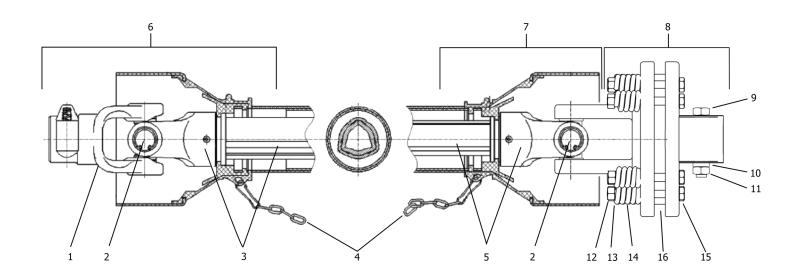




| Item | Part #     | Description                           | Qty. |
|------|------------|---------------------------------------|------|
| 114  | CX0601-086 | Tailgate- CXT-086                     | 1    |
|      | CX0601-095 | Tailgate- CXT-095                     | 1    |
|      | CX0601-104 | Tailgate- CXT-104                     | 1    |
|      | CX0601-112 | Tailgate- CXT-112                     | 1    |
|      | CX0601-121 | Tailgate- CXT-121                     | 1    |
| 115  | BV0601     | Rod- Tailgate                         | 4    |
| 116  | LNM2430    | Self-Locking Nut- M24 x 3             | 4    |
| 117  | FW24       | Washer– M24                           | 4    |
| 118  | BV0601     | Upper Spring- Tailgate                | 4    |
| 119  | BV0606     | Spacer- Tailgate                      | 4    |
| 120  | BV0602     | Lower Spring- Tailgate                | 4    |
| 121  | BM141545   | Bolt- M14 x 1.5 x 45                  | 12   |
| 122  | BV0603     | Bracket- Tailgate Spring              | 8    |
| 123  | BV0604     | Bolt Spacer- Tailgate                 | 4    |
|      |            |                                       |      |
| 124  | BM1012545  | Bolt- M10 x 1.25 x 45                 | 4    |
| 125  | CXTCFS     | Fan Shroud                            | 1    |
| 126  | CXTCF-01   | Fan                                   | 1    |
| 127  | BM061016   | Securing Bolt–Fan                     | 1    |
| 128  | CXTCF-02   | Fan Protection Screen                 | 1    |
| 129  | BM061016   | Bolt- M6 x 1.0 x 16                   | 4    |
|      | CXTGBC001  | Gearbox Complete- with exchange gears |      |



# PTO Shaft - BXV, CXT



| Item | Part #     | Description                                     | Qty. |
|------|------------|---|------|
| 1    | DP1075-80  | PTO Yoke - Series 80                            | 1    |
| 2    | DP1076-80  | Cross and Bearings - Series 80                  | 2    |
| 3    | DP1079-80  | Female Yoke and Tube (tractor end) - Series 80  | 1    |
| 4    | 5SB3007    | Safety chain                                    | 2    |
| 5    | DP1078-80  | Male Yoke and Tube (implement end) - Series 80  | 1    |
| 6    | DP1074F-80 | Complete Female End PTO Shielding (tractor end) | 1    |
| 7    | DP1074M-80 | Complete Male End PTO Shielding (implement end) | 1    |
| 8    | DP1098-80  | Slip clutch complete 220mm clutch               | 1    |
| 9    | BM1217565  | Bolt HH M12-1.75x65 (8.8)                       | 2    |
| 10   | LNM12175   | Nut lock M12-1.75                               | 2    |
| 11   | FW12       | Washer flat M12                                 | 2    |
| 12   | LNM1015    | Nut lock M10-1.50                               | 8    |
| 13   | FW10       | Washer flat M10                                 | 8    |
| 14   | 1215012-30 | Spring - slip clutch                            | 8    |
| 15   | BM1015110  | Bolt HH 10-1.50x110 (8.8)                       | 8    |
| 16   | 180-510-80 | Friction disc - 160mm x 98mm                    | 4    |
| -    | 147130     | Complete PTO - Series 80 - 220mm Slip Clutch    | 1    |



# **Model Modifications - CXT**

| <u>Versi</u> | ion 1              | <u>Versi</u> | <u>on 2</u>   |
|--------------|--------------------|--------------|---------------|
| Model #      | Serial #           | Model #      | Serial #      |
| CXT-076      | <b>Up to 5004</b>  | CXT-076      | 5005 & after  |
| CXT-086      | Up to 20002        | CXT-086      | 20003 & after |
| CXT-095      | Up to 23003        | CXT-095      | 23004 & after |
| CXT-104      | Up to 26001        | CXT-104      | 26002 & after |
| CXT-112      | Up to 28001        | CXT-112      | 28002 & after |
| CXT-121      | <b>Up to 30005</b> | CXT-121      | 30006 & after |

#### **Decals**

#### **AWARNING**

#### To prevent serious injury or death:

si no lee ingles, pida ayuda a alguien que si lo lea para que le traduzca las medidas de seguridad

- Read and understand Operator's Manual before using. Review annually.
- Do not permit riders on the tractor including children.
- Do not allow children to operate unit.
   Operate only with guards installed and in good working condition.
- · Keep away from moving parts.
- Operate only with tractor equipped with ROPS and seatbelts.
- Use extra care when operating on rough terrain or when rocks
- or debris are present.
- Do not operate in a raised postition.
- Stop engine, lower unit, set brake and wait for all moving parts to stop before dismounting.
- Support unit securely before working beneath it.
- Transport with clean reflectors, SMV and working lights as required by Federal. State and local laws.
- Keep yourself, others and clothing away from rotating PTO.
- Operate only at a safe distance from bystanders
- · Do not stand between tractor and unit.
- Be careful on uneven terrain. Decrease speed when turning.
- Locate underground utility lines before operating unit.
  Do not exceed a safe transport speed.

RT1007

1

#### **A DANGER**



#### **ROTATING DRIVELINE HAZARD KEEP AWAY**

To prevent serious injury or death from rotating

- driveline: Keep all guards in place when operating.
- Operate only at 540 RPM.
- Keep hands, feet, clothing and hair away from
- Do not operate without driveline securely attached at both ends.
- Do not operate without driveline shield that

turns freely on driveline.

5

#### **AWARNING**

**Cancer and Reproductive Harm** www.P65 Warnings.ca.gov

2

#### **AWARNING**



#### TO PREVENT SERIOUS INJURY OR DEATH

- Keep hands and body out of hitch area when attaching mower to tractor
- Keep body clear of crush point between tractor and mower.

RT1005

#### **ADANGER**



#### **ROTATING TINES HAZARD**

- · Keep away from rotating tines.
- Rotating tines may cause serious injury or death.

4

3

FAILING TO FOLLOW SAFETY MESSAGES AND OPERATING INSTRUCTIONS CAN CAUSE SERIOUS BODILY INJURY OR EVEN DEATH TO OPERATOR AND OTHERS IN THE AREA.







- 1. Read operator's manual carefully and pay attention to safety decals for tractor and tiller throughly to avoid misuse, abuse and accidents. Practice before operating.
- 2. Operate only with ROPS and fastened seat belt to avoid injury and possible crushing death from overturning. Do not allow riders on tractor or tiller. Falling off can cause serious injury or death by being run over by tractor or tiller or by being cut by the rotating tiller blades. Do not allow children on or near tiller or tractor 3. To avoid injury from falling objects wear hard hat, safety glasses and shoes.
- 4. Block up or support machine securely before putting hands or feet under, or working underneath lifted parts to avoid crushing injury or even death from sudden, inadvertent dropping. Make sure area is clear before lowering.
- 5. Before transporting, put lift lever in Lift (Detent) position and follow all traffic codes. Slow down at night, in turns
- 6. Make sure that SMV sign, warning lights and reflectors are clearly visible.
- 7. Never operate with tiller raised off ground to reduce possiblity of injury from objects thrown under tiller structure.
- 8. Before dismounting, secure tiller in transport position or lower to ground, stop PTO, put tractor in park or set brake, stop engine and remove key. Never mount or dismount moving vehicle to prevent possible crushing injury or death.

5. TRANSPORT SAFELY.

6. USE SMV, LIGHTS & REFLECTORS.

7. DO NOT OPERATE WITH TILLER RAISED.



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#### Decals

| Item | Part #  | Description                                      | Qty. |
|------|---------|--|------|
| 1    | RT1004E | Decal Warning "Serious Injury or Death"          | 1    |
| 2    | D960    | Decal Warning "Cancer & Reproductive Harm"       | 1    |
| 3    | RT1005  | Decal Warning "To Prevent Serious Injury"        | 1    |
| 4    | RT1006  | Decal Danger "Rotating Tines Hazard"             | 1    |
| 5    | RT1007  | Decal Danger "Rotating Driveline Hazard"         | 1    |
| 6    | RT1008  | Decal Danger "Failing to Follow Safety Messages" | 1    |
| 7    | D1015   | Decal Logo "Tar River" Small                     | 1    |
| 8    | NA      | Decal Model # "BXV-XXX"                          | 1    |
| 9    | NA      | Decal Model # "CXT-XXX"                          | 1    |
| 10   | D1311   | Decal "Gear Drive"                               | 1    |



#### **Warranty**

#### LIMITED WARRANTY

Belco Resources Equipment warrants to the original purchaser of any new piece of machinery from Belco Resources Equipment, purchased from an authorized Belco Resources Equipment dealer, that the equipment be free from defects in material and workmanship for a period of one (1) year for non-commercial, state, and municipalities' use, ninety (90) days for commercial use from date of retail sale. Warranty for rental purposes is thirty (30) days. The obligation of Belco Resources Equipment to the purchaser under this warranty is limited to the repair or replacement of defective parts.

A four (4) extended Gearbox Limited Warranty is provided for TXG-YCT-RXT-CXT models at the end of the standard one (1) year warranty period. This warranty is not provided for commercial or rental uses. The extended warranty provides for the replacement of parts only. Not covered are oil seals or any damages to the gearbox due to lack of lubrications.

Replacement or repair parts installed in the equipment covered by this limited warranty are warranted for ninety (90) days from the date of purchase of such part or to the expiration of the applicable new equipment warranty period, whichever occurs later. Warranted parts shall be provided at no cost to the user at an authorized Belco Resources Equipment dealer during regular working hours. Belco Resources Equipment reserves the right to inspect any equipment or parts, which are claimed to have been defective in material or workmanship.

This limited warranty does not apply to and excludes wear items such as shear pins, tires, tubes knives, blades or other wear items. Oil or grease is not covered by this warranty.

All obligations of Belco Resources Equipment under this limited warranty shall be terminated if:

Proper service is not performed on the machine.

The machine is modified or altered in any way.

The machine is being used or has been used for purposes other than those for which the machine was intended.

#### DISCLAIMER OF IMPLIED WARRANTIES & CONSEQUENTIAL DAMAGES

Belco Resources Equipment obligation under this limited warranty, to the extent allowed by law, is in lieu of all warranties, implied or expressed, including implied warranties of merchantability and fitness for a particular purpose and any liability for incidental and consequential damages with respect to the sale or use of the items warranted. Such incidental and consequential damages shall include but not be limited to: transportation charges other than normal freight charges; cost of installation other than cost approved by Belco Resources Equipment; duty; taxes; charges for normal service or adjustment; loss of crops or any other loss of income; rental of substitute equipment, expenses due to loss, damage, detention or delay in the delivery.

#### REGISTRATION

The online Warranty Registration must be completed in order to qualify for coverage on this Limited Warranty. Visit br-equipment.com, click on "Warranty Registration" and completely fill out the form to register the new piece of equipment.



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