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</table>
WARNING: Read and thoroughly understand all instructions and safety information before assembling or operating this post hole digger. Failure to do so may cause serious injury or death. Do not allow anyone to operate this post hole digger who has not read this manual. As with all power equipment, a post hole digger can be dangerous if assembled or used improperly. Do not operate this post hole digger if you have doubts or questions concerning safe operation. Call our customer service department at 1-800-446-5158 to address these concerns.

Si no entiende inglés, se prefiere que busque alguien que interprete las instrucciones para usted.

INTENDED USE

This product is designed to dig holes in the soil when attached to the 3-point linkage system and power-take-off of a tractor. It is not intended for any other use. Using the product for anything other than digging holes could result in serious injury or death.

PERSONAL PROTECTIVE EQUIPMENT

ALWAYS use appropriate personal protective equipment such as protective eyewear and safety shoes when operating this post hole digger.

NEVER wear loose clothing or jewelry that could become entangled in the auger or driveline.

SAFETY DECALS

ALWAYS replace missing or defaced decals. Reorder from Rhino, 1020 S. Sangamon Ave., Gibson City, IL 60936 or call 1-800-446-5158.

NOTICE

Gear box shipped without lubricant. Fill with 80W-90 lubricant before using.

LOCATION: FRONT OF GEAR BOX
ORDER DECAL KIT: 00785764

LOCATION: SIDE OF GEAR BOX
ORDER DECAL KIT: 00785764
LOCATION: BOOM
ORDER DECAL KIT: 00785763

LOCATION: PTO DRIVE SHAFT UNDER SHIELD
ORDER DECAL KIT: 00785764

NOTE: IF THE DRIVE SHAFT GUARD MENTIONED IN THE ABOVE DECAL IS MISSING, YOU MUST ORDER A REPLACEMENT BY CALLING RHINO AT 1-800-446-5158.

LOCATION: PTO DRIVE SHAFT SHIELD
ORDER DECAL KIT: 00785764

LOCATION: TOP END OF BOOM ON GEAR BOX END
ORDER DECAL KIT: 00785763
LOCATION: TOP END OF AUGER TUBE  
ORDER DECAL KIT: 00785764

**NOTE:** IF THE OUTPUT SHAFT GUARD MENTIONED IN THE ABOVE DECAL IS MISSING, YOU MUST ORDER A REPLACEMENT BY CALLING RHINO AT 1-800-446-5158.

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**GENERAL SAFETY AND PREPARATION**

**ALWAYS** make sure that anyone else who operates this post hole digger has read and understood the contents of the owner's manual and all safety decals on the product.

**ALWAYS** be certain that all members of the work party are familiar with the operation of the digger and the hazards associated with it.

**ALWAYS** check with authorities for underground utilities before digging a hole. Serious injury or death could result from contact with gas or electric lines.

**ALWAYS** check the tractor owner’s manual for instructions on operation, attachment of 3-point equipment and safety.

**ALWAYS** make sure that all safety shields are in place and tightened down. Do not operate this post hole digger if any shields are missing. Contact Rhino at 1-800-446-5158 for replacement part(s).

**ALWAYS** make sure that the auger point and cutting edges are intact and in good working order before using this digger.

**NEVER** allow children or other persons to ride on the Tractor or Implement. Falling off can result in serious injury or death.

**NEVER** allow children to play on or around Tractor or Implement. Children can slip or fall of the Equipment and be injured or killed. Children can cause the Implement to shift or fall crushing themselves or others.
OPERATING SAFETY

ALWAYS operate this post hole digger from the tractor seat. Only one person should operate the digger.

NEVER attach the post hole digger with the tractor engine running.

NEVER operate the post hole digger with anyone near or in contact with any part of the implement, PTO driveline or auger. Serious injury or death could result from entanglement with moving parts.

ALWAYS make sure that the tractor brake is set before digging a hole.

ALWAYS keep hands, feet and clothing away from power-driven parts during operation.

NEVER manually position the auger or manually force the auger into the ground.

ALWAYS make sure that the tractor engine is shut off and the PTO drive is disengaged before leaving the tractor seat.

NEVER move the tractor with the power-take-off in the ON position.

NEVER exceed 540 RPM PTO operating speed.

NEVER operate the post hole digger when the auger point is more than 6 in. above ground level. Operating the digger in elevated positions may cause the PTO driveline “U” joints to bind resulting in equipment damage and operator injury.

ALWAYS turn off the digger immediately if an immovable object is encountered to prevent damage to the gear box or driveshaft and possible injury. A shear bolt is provided but may become welded to the input shaft if the driveshaft is left running after being sheared.

REPAIR AND MAINTENANCE SAFETY

ALWAYS perform maintenance operations such as lubrication, adjustments or repairs on the post hole digger with the tractor engine off, the PTO drive disengaged and the auger point resting on the ground.

ALWAYS use the correct shear bolt (Grade 5). NEVER use or replace the shear bolt with one that is longer than the one specified in the manual (5/16” x 2-1/2”).

Periodically inspect all moving parts for wear and replace when necessary with authorized service parts. Look for loose fasteners, worn or broken parts, and leaky or loose fittings. Serious injury may occur from not maintaining this machine in good working order.

Do not modify or alter this implement. Do not permit another to modify or alter this implement, any of its components or any implement function. Any modification will void the warranty.
**ASSEMBLY INSTRUCTIONS**

**IMPORTANT:** The gear box is shipped without lubricant. Fill the top hole with 80W - 90WT lubricant or the equivalent. The gear box holds 25 oz. (0.7 liter). Fill to the bottom of the plug hole on the side. Do not fill to overflow point as this may damage the seals.

**NOTE:** Order part number 00724177 for 1 quart of 80W - 90WT gear oil.

**STEP 1:** Be certain that the gear box has adequate lubrication. Check the oil level after every fifty hours of use.

**STEP 2:** Attach the boom (1) to the top link mounting bracket on the tractor using a top link pin and a lynch pin (not provided) through the hole at the bottom of the boom.

**STEP 3:** Connect the "A" frame (5) to the tractor's 3-point lift arms using the 7/8 in. hitch pins with nut and lockwasher (5A) as shown in the drawing. Attach the "A" frame (5) to the boom (1) after selecting the desired hole (for angle adjustment) using the Toplink pin (6) and lynch pin (4).

**STEP 4:** Attach the gear box (10) to the boom (1) using the boom pin (2) provided with the gear box. When in place secure with cotter pins provided. **NOTE:** Input shaft shield (9) and output shaft shield (23) are already attached to the gear box.

**STEP 5:** Attach the auger (20, 21 or 22) to the output shaft on the bottom of the gear box (10) using the 1/2 in. hex cap screws (17), 1/2 in. lockwashers (18) and 1/2 in. hex nuts (19). Tighten the nuts.

**STEP 6:** Attach the driveline (13) to the gear box input shaft using the 5/16 in. grade 5 hex cap screw (14), the 5/16 in. lockwasher (15) and the 5/16 in. NC hex nut (16). Tighten the hex nut. Insert the 1/4 in. x 3/8 in. set screw in the hole on the yoke that aligns with the 3/16 in. groove on the gear box input shaft. Tighten.

**ATTENTION:** THE 5/16 IN. HEX CAP SCREW PROVIDES SHEAR PROTECTION. USE A GRADE 5 2-1/2" BOLT ONLY TO AVOID DAMAGE TO THE GEAR BOX OR AUGER.

**IMPORTANT:** The universal joint should be greased with a good grade chassis lube every week. At the beginning of each season grease the sliding driveshaft members with a moly grease. All diggers are equipped with quick-detach universal joints on the power-take-off end for a 1-3/8 in. splined shaft.

**STEP 7:** Attach the tractor end of the driveline (13) to the tractor PTO shaft. Slide the collar away from the tractor, slide the yoke onto the PTO shaft of the tractor. Release the collar. It will be necessary to obtain a 1-1/8 in. to 1-3/8 in. sleeve spline adapter if your tractor PTO shaft has a 1-1/8 in. spline.

**STEP 8:** Attach the handle (8) to the gear box (10) and secure with the 5/16 in. set screw in the gear box. Tighten.

**STEP 9:** Check all nuts and bolts for tightness. Stabilizers should be kept tight to avoid side sway of the digger.

**NOTE:** See illustration A for reference in assembling the digger and mounting it to the tractor. Note that the boom angle can be adjusted on your tractor for proper digging and ground clearance by moving the "A" frame to a different mounting hole as shown in illustration B.

**NOTE:** When the 7/8 in. diameter hitch pins in the "A" frame are too small for the holes in the lift arms, bushings should be used to obtain a proper fit.
OPERATING INSTRUCTIONS

WARNING: Read and thoroughly understand all instructions and safety information before operating this post hole digger. Failure to do so may cause serious injury or death. Do not allow anyone to operate this post hole digger who has not read this manual.

STEP 1: After mounting the digger to the tractor, lower the auger point slowly to the ground at the desired digging angle before engaging power.

STEP 2: Engage the power-take-off and start digging at a slow speed, lowering the auger slowly as it begins to dig.

STEP 3: Increase speed as the auger goes deeper. The type of soil will determine the proper auger speed. If the soil is extremely hard, it will generally improve operation to vary the speed of the auger at times. If an object is encountered which is too large for the auger to move, the digger will begin to vibrate. Withdraw the auger and remove the obstacle.

STEP 4: When the auger has reached the desired depth, spin it momentarily at a high speed to clear the hole of dirt. Reduce speed before withdrawing the auger from the hole.

STEP 5: Disengage the power-take-off after withdrawing from the hole and move the tractor to the next hole location.

GENERAL MAINTENANCE

WARNING: Always perform maintenance operations with the tractor engine off, the PTO drive disengaged and the auger point resting on the ground.

1. To remove the auger from the gear box output shaft, take out the two 1/2 in. x 3 in. hex cap screws (17).

2. To remove the driveshaft from the gear box input shaft, take out the shear pin bolt (14) and 1/4 in. set screw (13E).

3. To remove the auger control handle (8), loosen the 5/16 in. set screw in the side of the gear box (10).

4. Check the oil level after every fifty hours of use. Use 80W - 90WT lubricant and fill to oil level plug. All replacement lubricant should be of this type. Order 00724177 for 1 quart of 80W - 90WT gear oil.

5. The universal joints should be greased with a good grade chassis lube every week. At the beginning of each season, grease the sliding driveshaft members with a moly grease.
# C100 POST HOLE DIGGER
## PARTS BREAKDOWN

<table>
<thead>
<tr>
<th>REFERENCE NUMBER</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>NUMBER REQUIRED</th>
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<tr>
<td>08000001</td>
<td>00785746</td>
<td>C100 Post Hole Digger less Auger</td>
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<tr>
<td>1</td>
<td>00785753</td>
<td>Boom Pin</td>
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<td></td>
<td>O/L</td>
<td>3/16 in. Cotter Pin for Boom Pin</td>
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</tr>
<tr>
<td>4</td>
<td>O/L</td>
<td>7/16 in. Lynch Pin</td>
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</tr>
<tr>
<td>5</td>
<td>00785747</td>
<td>&quot;A&quot; Frame</td>
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<tr>
<td>5A</td>
<td>00603500</td>
<td>Hitch Pin with Nut &amp; Lockwasher</td>
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<tr>
<td>6</td>
<td>00785750</td>
<td>Toplink Pin</td>
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</tr>
<tr>
<td>7</td>
<td>00785748</td>
<td>Control Rod Handle Grip</td>
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</tr>
<tr>
<td>8</td>
<td>00785749</td>
<td>Control Rod</td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td>00785751</td>
<td>Guard, Input Gearbox with Decals</td>
<td>1</td>
</tr>
<tr>
<td>10</td>
<td>00785744</td>
<td>Asy, Gearbox with Guards</td>
<td>1</td>
</tr>
<tr>
<td>10A</td>
<td>00785745</td>
<td>Gear Box Bearing &amp; Seal Kit</td>
<td>-</td>
</tr>
<tr>
<td>13</td>
<td>00785743</td>
<td>Asy, Driveline - 1-3/8 - 6 Spline</td>
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<tr>
<td>13A</td>
<td>00785754</td>
<td>Guard Assembly</td>
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<tr>
<td>13B</td>
<td>00785755</td>
<td>Cross and Bearing Kit</td>
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<tr>
<td>13C</td>
<td>00785756</td>
<td>1-3/8 - 6 Spline Slide Collar Yoke</td>
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<tr>
<td>13D</td>
<td>00785757</td>
<td>Yoke, 1-1/4 in. Smooth Bore</td>
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<tr>
<td>13E</td>
<td>O/L</td>
<td>1/4 in. x 3/8 in. Pointed Set Screw</td>
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<tr>
<td>14</td>
<td>O/L</td>
<td>5/16 in. v 2-1/2 in. Hex Cap Screw (Grade 5 Shear Bolt)</td>
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<tr>
<td>15</td>
<td>O/L</td>
<td>5/16 in. Lockwasher</td>
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<tr>
<td>16</td>
<td>O/L</td>
<td>5/16 in. NC Hex Nut</td>
<td>1</td>
</tr>
<tr>
<td>17</td>
<td>O/L</td>
<td>1/2 in. NC x 3-1/2 in. Hex Cap Screw</td>
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<tr>
<td>18</td>
<td>O/L</td>
<td>1/2 in. Lockwasher</td>
<td>2</td>
</tr>
<tr>
<td>19</td>
<td>O/L</td>
<td>1/2 in. NC Hex Nut</td>
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</tr>
<tr>
<td>23</td>
<td>00785752</td>
<td>Guard, Output Gearbox</td>
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<td>24</td>
<td>00785762</td>
<td>Manual, Operators &amp; Parts</td>
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<td>25</td>
<td>00776031</td>
<td>Canister, Parts Manual</td>
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</tbody>
</table>

O/L - Obtain Locally. Common fasteners available through hardware and farm stores.

**NOTE:** All augers are sold separately.
NOTE: Safety shields are shaded on this diagram. NEVER operate the digger with any shield missing.
### C100 Augers

<table>
<thead>
<tr>
<th>REFERENCE NUMBER</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>NUMBER REQUIRED</th>
</tr>
</thead>
<tbody>
<tr>
<td>00785765</td>
<td>6 in. Auger with Screw Point and Cutting Edges</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>O/L</td>
<td>3/8 in. NC x 1-1/4 Carriage Bolt</td>
<td>4</td>
</tr>
<tr>
<td>3</td>
<td>O/L</td>
<td>3/8 in. Lockwasher</td>
<td>4</td>
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<tr>
<td>4</td>
<td>O/L</td>
<td>3/8 in. NC Hex Nut</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>00785771</td>
<td>Screw Point with 1-1/4 in. NC Threads</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>00785768</td>
<td>6 in. Cutting Edge Set, Bag with 2 Cutting Edges</td>
<td>1</td>
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</tbody>
</table>

O/L - Obtain locally. Common fasteners available through hardware and farm stores

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<table>
<thead>
<tr>
<th>REFERENCE NUMBER</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>NUMBER REQUIRED</th>
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<tbody>
<tr>
<td>00785766</td>
<td>9 in. Auger with Screw Point and Cutting Edges</td>
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<tr>
<td>2</td>
<td>O/L</td>
<td>3/8 in. NC x 1-1/4 Carriage Bolt</td>
<td>4</td>
</tr>
<tr>
<td>3</td>
<td>O/L</td>
<td>3/8 in. Lockwasher</td>
<td>4</td>
</tr>
<tr>
<td>4</td>
<td>O/L</td>
<td>3/8 in. NC Hex Nut</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>00785771</td>
<td>Screw Point with 1-1/4 in. NC Threads</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>00785769</td>
<td>9 in. Cutting Edge Set, Bag with 2 Cutting Edges</td>
<td>1</td>
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</table>

O/L - Obtain locally. Common fasteners available through hardware and farm stores
## C100 Augers

<table>
<thead>
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<th>DESCRIPTION</th>
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<tr>
<td>00785767</td>
<td>12 in. Auger with Screw Point and Cutting Edges</td>
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<td>O/L</td>
<td>3/8 in. NC x 1-1/4 Carriage Bolt</td>
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</tr>
<tr>
<td>3</td>
<td>O/L</td>
<td>3/8 in. Lockwasher</td>
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<td>4</td>
<td>O/L</td>
<td>3/8 in. NC Hex Nut</td>
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<tr>
<td>5</td>
<td>00785771</td>
<td>Screw Point with 1-1/4 in. NC Threads</td>
<td>1</td>
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<tr>
<td>8</td>
<td>00785770</td>
<td>12 in. Cutting Edge Set, Bag with 2 Cutting Edges</td>
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</tbody>
</table>

O/L- Obtain locally. Common fasteners available through hardware and farm stores.
IMPORTANT SAFETY INFORMATION

**WARNING:** Read and thoroughly understand all instructions and safety information before using this product. Failure to do so may cause serious injury or death. Always use appropriate personal protective equipment such as work gloves and safety shoes when using this product.

**CAUTION:** Never use this product unless the weights are securely attached and locked down. Serious injury could result from falling weights.

STEP 1: Remove the plugs from the digger boom.

STEP 2: Place the threaded rod (2) through the hole.

STEP 3: Attach a weight bar (1) on each side of the boom.

STEP 4: Tighten the lock nuts (3) loosely.

STEP 5: Adjust as required to level the weight bars.

STEP 6: Tighten the nuts (3).

STEP 7: Place the weights (purchased separately) on the bars (1).

STEP 8: Lock in place with the collars (4). Then tighten the set screw in each collar securely.

---

<table>
<thead>
<tr>
<th>REFERENCE NUMBER</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td></td>
<td>00785804</td>
<td>Weight Mount Kit</td>
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<td>1</td>
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<td>Weight Bar</td>
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<tr>
<td>2</td>
<td>--</td>
<td>Threaded Rod</td>
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</tr>
<tr>
<td>3</td>
<td>--</td>
<td>5/8&quot; UNC Bolt</td>
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</tr>
<tr>
<td>4</td>
<td>--</td>
<td>Collar</td>
<td>2</td>
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</tbody>
</table>

-- Replacement Parts not available.

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Weight Kit Attached to Boom

Weights Mounted on Digger Boom

(not included), 2" diameter mounting hole required to fit weight bars.
SPECIFICATIONS

Tractor Category  Subcompact, Category 0 and 1
Gear Box  3:1 Ratio, 2 in. output shaft to accept common augers
Driveline  Equipped with quick-tach yoke to fit standard 6-spline PTO (completely shielded)
Augers  6 in., 9 in. and 12 in. sizes available (sold separately)
Boom  2-7/8 in. O.D. high strength tubing
A-frame  2-7/8 in. high strength tubing
Safety shields  On driveline, gear box "U" joint and gear box output shaft
Shear Bolt  On input shaft to protect driveline, auger and gears. Replaceable.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>08000001</td>
<td>C100 post hole digger less auger</td>
</tr>
<tr>
<td>00785765</td>
<td>6 in. auger with screw point and replaceable cutting edges</td>
</tr>
<tr>
<td>00785766</td>
<td>9 in. auger with screw point and replaceable cutting edges</td>
</tr>
<tr>
<td>00785767</td>
<td>12 in. auger with screw point and replaceable cutting edges</td>
</tr>
<tr>
<td>00785771</td>
<td>Screw point</td>
</tr>
<tr>
<td>00785768</td>
<td>6 in. cutting edge set</td>
</tr>
<tr>
<td>00785769</td>
<td>9 in. cutting edge set</td>
</tr>
<tr>
<td>00785770</td>
<td>12 in. cutting edge set</td>
</tr>
<tr>
<td>00785804</td>
<td>Optional Weight Kit for increased auger penetration. Weights sold separately.</td>
</tr>
<tr>
<td>00724177</td>
<td>Quart 80W - 90WT Gear Oil</td>
</tr>
<tr>
<td>00785745</td>
<td>Gear Box Bearing &amp; Seal Kit</td>
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