POST HOLE DIGGER

3-Point Mounted

TPD25 - General Purpose for 15-25 hp Tractors with Limited Category 1 or Category 0 Hitch

TPD35 - Standard-Duty for 20-35 hp Tractors with Category 1 or Category 2 Hitch

TPD65 - Heavy-Duty for 25-65 hp Tractors with Category 1 or Category 2 Hitch

TPD95 - Heavy-Duty for 35-95 hp Tractors with Category 1 or Category 2 Hitch
TO THE DEALER:

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

The dealer must complete the online Product Registration form at the Woods Dealer Website which certifies that all Dealer Check List items have been completed. Dealers can register all Woods product at dealer.WoodsEquipment.com under Product Registration.

Failure to register the product does not diminish customer’s warranty rights.

TO THE OWNER:

Read this manual before operating your Woods 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 adjustment and operating procedures before attempting to operate. Replacement manuals can be obtained from your dealer. To locate your nearest dealer, check the Dealer Locator at www.WoodsEquipment.com, or in the United States and Canada call 1-800-319-6637.

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 Woods dealer has trained mechanics, genuine Woods service parts, and the necessary tools and equipment to handle all your needs.

Use only genuine Woods service parts. Substitute parts will void the warranty and may not meet standards required for safe and satisfactory operation. Record the model number and serial number of your equipment in the spaces provided:

Model: _______________________________ Date of Purchase: _____________________
Serial Number: (see Safety Decal section for location) ____________________________________

Provide this information to your dealer to obtain correct repair parts.

Throughout this manual, the term NOTICE is used to indicate that failure to observe can cause damage to equipment. The terms CAUTION, WARNING, and DANGER are used in conjunction with the Safety-Alert Symbol (a triangle with an exclamation mark) to indicate the degree of hazard for items of personal safety.

This is the safety alert symbol. It is used to alert you to potential physical injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER Indicates a hazardous situation that, if not avoided, will result in death or serious injury.

WARNING Indicates a hazardous situation that, if not avoided, could result in death or serious injury.

CAUTION Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

IMPORTANT or NOTICE Is used to address practices not related to physical injury.

NOTE Indicates helpful information.
GENERAL INFORMATION

Some illustrations in this manual show the digger with safety shields removed to provide a better view. The digger should never be operated with any safety shielding removed.

The purpose of this manual is to assist you in operating and maintaining your post hole digger. Read it carefully. It furnishes information and instructions that will help you achieve years of dependable performance. These instructions have been compiled from extensive field experience and engineering data. Some information may be general in nature due to unknown and varying operating conditions. However, through experience and these instructions, you should be able to develop procedures suitable to your particular situation.

The illustrations and data used in this manual were current at the time of printing but, due to possible inline production changes, your machine may vary slightly in detail. We reserve the right to redesign and change the machines as may be necessary without notification.

Throughout this manual, references are made to right and left direction. These are determined by standing behind the equipment facing the direction of forward travel.

Introduction 3
# SPECIFICATIONS

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<tr>
<th>Post Hole Digger Model</th>
<th>TPD25</th>
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<tr>
<td>3-Point Hitch</td>
<td>CAT 1, Limited CAT 1 or CAT 0</td>
<td>CAT1</td>
<td>CAT1 or CAT2</td>
<td>CAT1 or CAT2</td>
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<tr>
<td>Tractor Horsepower</td>
<td>15 - 25 hp</td>
<td>20 - 35 hp</td>
<td>25 - 65 hp</td>
<td>35 - 95 hp</td>
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<tr>
<td>Tractor PTO</td>
<td>540 RPM</td>
<td>540 RPM</td>
<td>540 RPM</td>
<td>540 RPM</td>
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<tr>
<td>Approximate Weight</td>
<td>140 lbs</td>
<td>146 lbs</td>
<td>194 lbs</td>
<td>238 lbs</td>
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<tr>
<td>Driveline protection</td>
<td>5/16 x 2-1/2 Grade 2 Shear Bolt</td>
<td>5/16 x 2-1/2 Grade 2 Shear Bolt</td>
<td>5/16 x 2-1/2 Grade 2 Shear Bolt</td>
<td>5/16 x 2-1/2 Grade 2 Shear Bolt</td>
</tr>
<tr>
<td>Auger Length</td>
<td>36 inches (recommended)</td>
<td>48 inches (recommended)</td>
<td>48 inches (recommended)</td>
<td>48 inches (recommended)</td>
</tr>
<tr>
<td>Auger Points</td>
<td>Cast Ductile Iron, Spiral Point, Replaceable</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cutting Teeth</td>
<td>Alloy Steel, Hardened, Replaceable</td>
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<tr>
<td>Gearbox</td>
<td>540 RPM, Roller and Ball Bearings, Cast Iron Housing</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Gearbox Lubrication</td>
<td>SAE 90 Weight Gear Lube</td>
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</tr>
</tbody>
</table>
Safety is a primary concern in the design and manufacture of our products. Unfortunately, our efforts to provide safe equipment can be wiped out by an operator’s single careless act.

In addition to the design and configuration of equipment, hazard control and accident prevention are dependent upon the awareness, concern, judgement, and proper training of personnel involved in the operation, transport, maintenance, and storage of equipment.

It has been said, “The best safety device is an informed, careful operator.” We ask you to be that kind of operator.

TRAINING

■ Safety instructions are important! Read all attachment and power unit manuals; follow all safety rules and safety decal information. (Replacement manuals and safety decals are available from your dealer. To locate your nearest dealer, check the Dealer Locator at www.WoodsEquipment.com, or in the United States and Canada call 1-800-319-6637.) Failure to follow instructions or safety rules can result in serious injury or death.

■ If you do not understand any part of this manual and need assistance, see your dealer.

■ Know your controls and how to stop engine and attachment quickly in an emergency.

■ Operators must be instructed in and be capable of the safe operation of the equipment, its attachments, and all controls. Do not allow anyone to operate this equipment without proper instructions.

■ Keep hands and body away from pressurized lines. Use paper or cardboard, not hands or other body parts to check for leaks. Wear safety goggles. Hydraulic fluid under pressure can easily penetrate skin and will cause serious injury or death.

■ Make sure that all operating and service personnel know that if hydraulic fluid penetrates skin, it must be surgically removed as soon as possible by a doctor familiar with this form of injury or gangrene, serious injury, or death will result. CONTACT A PHYSICIAN IMMEDIATELY IF FLUID ENTERS SKIN OR EYES. DO NOT DELAY.

■ Never allow children or untrained persons to operate equipment.

PREPARATION

■ Check that all hardware is properly installed. Always tighten to torque chart specifications unless instructed otherwise in this manual.

■ Always wear relatively tight and belted clothing to avoid entanglement in moving parts. Wear sturdy, rough-soled work shoes and protective equipment for eyes, hair, hands, hearing, and head; and respirator or filter mask where appropriate.

■ Make sure attachment is properly secured, adjusted, and in good operating condition.

■ Make sure spring-activated locking pin or collar slides freely and is seated firmly in tractor PTO spline groove.

■ Connect PTO driveline directly to power unit PTO shaft. Never use adapter sleeves or adapter shafts. Adapters can cause driveline failures due to incorrect spline or incorrect operating length and can result in personal injury or death.

■ Power unit must be equipped with ROPS or ROPS cab and seat belt. Keep seat belt securely fastened. Falling off power unit can result in death from being run over or crushed. Keep foldable ROPS system in “locked up” position at all times.

■ Make sure all safety decals are installed. Replace if damaged. (See Safety Decals section for location.)

■ Make sure shields and guards are properly installed and in good condition. Replace if damaged.

■ Keep unit from swinging side-to-side by using stabilizer bars, adjustable sway chains, or sway blocks on tractor lift arms. Adjust tightly for best results.

OPERATION

■ Do not allow bystanders in the area when operating, attaching, removing, assembling, or servicing equipment.
SAFETY RULES

ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

- Consult local utilities before digging. Know location and depth of all underground cables, pipelines, and other hazards in working area and avoid contact.
- Do not put digger into service unless auger point and all cutting edges are intact and in good repair.
- Do not put digger into service unless all shields and guards are in place and in good condition. Replace if damaged.
- Keep bystanders away from equipment.
- Do not operate or transport equipment while under the influence of alcohol or drugs.
- Operate only in daylight or good artificial light.
- Never aim auger point with hands on auger, gearbox, boom or driveline. To place auger point use 3-point arms and handle.
- Keep hands, feet, hair, and clothing away from equipment while engine is running. Stay clear of all moving parts.
- Always comply with all state and local lighting and marking requirements.
- Never allow riders on power unit or attachment.
- Power unit must be equipped with ROPS or ROPS cab and seat belt. Keep seat belt securely fastened. Falling off power unit can result in death from being run over or crushed. Keep foldable ROPS system in “locked up” position at all times.
- Always sit in power unit seat when operating controls or starting engine. Securely fasten seat belt, place transmission in neutral, engage brake, and ensure all other controls are disengaged before starting power unit engine.
- When digging holes, always sit in operator seat.
- To reduce rapid U-joint wear and driveline failure, never lift auger over 12" from ground when PTO is running.
- Shift tractor transmission into park or neutral and set brakes before engaging PTO and digging.
- Keep digger under control by running PTO at slowest speed possible (no faster than half-throttle in 540 rpm range).
- Look down and to the rear and make sure area is clear before operating in reverse.
- Use extreme care when working close to fences, ditches, other obstructions, or on hillsides.
- Do not operate or transport on steep slopes.
- When digging in rough ground or hilly terrain, place digger uphill from tractor. If digger is downhill, tractor could tip when pulling auger from hole.
- Do not stop, start, or change directions suddenly on slopes.
- Use extreme care and reduce ground speed on slopes and rough terrain.
- When dislodging a stuck auger, disengage PTO, stop engine, remove key, disconnect PTO from tractor, and turn auger backwards with a wrench. Remove and store wrench before starting engine.
- Before performing any service or maintenance, lower digger to ground or block securely, turn off tractor engine, remove key, and disconnect driveline from tractor PTO.
- Never leave a running machine unattended.
- Before leaving tractor seat, stop PTO, set brake, shut off engine, remove key, and let auger come to a full stop.

MAINTENANCE

- Before performing any service or maintenance, lower digger to ground or block securely, turn off tractor engine, remove key, and disconnect driveline from tractor PTO.
- Never go underneath equipment (lowered to the ground or raised) unless it is properly blocked and secured. Never place any part of the body underneath equipment or between moveable parts even when the engine has been turned off. Hydraulic system leak down, hydraulic system failures, mechanical failures, or movement of control levers can cause equipment to drop or rotate unexpectedly and cause severe injury or death.
- Service and maintenance work not covered in OWNER SERVICE must be done by a qualified dealership. Special skills, tools, and safety procedures may be required. Failure to follow these instructions can result in serious injury or death.
- When dislodging a stuck auger, disengage PTO, stop engine, remove key, disconnect PTO from tractor, and turn auger backwards with a wrench. Remove and store wrench before starting engine.
Use a suitable lifting device of sufficient capacity. Use adequate personnel to handle heavy components.

Do not modify or alter or permit anyone else to modify or alter the equipment or any of its components in any way.

Never replace shear bolt or auger retaining bolt with a different length, or grade. Always use a grade 2 bolt as a replacement.

Always wear relatively tight and belted clothing to avoid getting caught in moving parts. Wear sturdy, rough-soled work shoes and protective equipment for eyes, hair, hands, hearing, and head; and respirator or filter mask where appropriate.

Do not allow bystanders in the area when operating, attaching, removing, assembling, or servicing equipment.

Make sure attachment is properly secured, adjusted, and in good operating condition.

Never perform service or maintenance with engine running.

Keep all persons away from operator control area while performing adjustments, service, or maintenance.

Tighten all bolts, nuts, and screws to torque chart specifications. Check that all cotter pins are installed securely to ensure equipment is in a safe condition before putting unit into service.

Make sure all safety decals are installed. Replace if damaged. (See Safety Decals section for location.)

Make sure shields and guards are properly installed and in good condition. Replace if damaged.

When lubricating telescoping PTO drives, keep fingers out of shield access slots to prevent injury.

TRANSPORTATION

Always comply with all state and local lighting and marking requirements.

Never allow riders on power unit or attachment.

Power unit must be equipped with ROPS or ROPS cab and seat belt. Keep seat belt securely fastened. Falling off power unit can result in death from being run over or crushed. Keep foldable ROPS system in “locked up” position at all times.

Do not operate PTO during transport.

Do not operate auxiliary hydraulics during transport.

Look down and to the rear and make sure area is clear before operating in reverse.

Do not stop, start, or change directions suddenly on slopes.

Use extreme care and reduce ground speed on slopes and rough terrain.

Use additional caution and reduce speed when under adverse surface conditions, turning, or on inclines.

Do not operate or transport on steep slopes.

Do not operate or transport equipment while under the influence of alcohol or drugs.

A minimum 20% of tractor and equipment weight must be on the tractor front wheels when attachments are in transport position. Without this weight, front tractor wheels could raise up resulting in loss of steering. The weight may be attained with front wheel weights, ballast in tires or front tractor weights. Weigh the tractor and equipment. Do not estimate.

Raise unit as high as possible for transport.

Reduce transport speed to avoid bouncing and brief loss of steering control.

STORAGE

Block equipment securely for storage.

Keep children and bystanders away from storage area.

Do not climb or lean on equipment stored on stand.
SAFETY & INSTRUCTIONAL DECALS

ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!
Replace Immediately If Damaged!

BE CAREFUL!

Use a clean, damp cloth to clean safety decals. Avoid spraying too close to decals when using a pressure washer; high-pressure water can enter through very small scratches or under edges of decals causing them to peel or come off. Replacement safety decals can be ordered free from your Woods dealer, or in the United States and Canada call 1-800-319-6637.

1 - SERIAL NUMBER PLATE

2 - PN 1032569

3 - PN 1032571

4 - PN 1032571

5 - PN 18866

6 - EACH SIDE

7 - UNDERSIDE OF GEARBOX

8 - EACH SIDE

9

10

11

12

CD016_A

WARNING

DO NOT EXCEED PTO SPEED OF 540 RPM

PTO speeds higher than 540 RPM can cause equipment failure and personal injury.

5 - PN 18866

6 - EACH SIDE

7 - UNDERSIDE OF GEARBOX

8 - EACH SIDE

9

10

11

12

CD016_A

WARNING

HIGH-PRESSURE HYDRAULIC OIL LEAKS CAN PENETRATE SKIN RESULTING IN SERIOUS INJURY, GANGRENE OR DEATH.

- Check for leaks with cardboard; never use hand.
- Before loosening fittings: lower load, release pressure, and be sure oil is cool.
- Consult physician immediately if skin penetration occurs.

5 - PN 18866

6 - EACH SIDE

7 - UNDERSIDE OF GEARBOX

8 - EACH SIDE

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12

CD016_A

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5 - PN 18866

6 - EACH SIDE

7 - UNDERSIDE OF GEARBOX

8 - EACH SIDE

9
SAFETY & INSTRUCTIONAL DECALS

ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

Replace Immediately If Damaged!

3 - PN 1032568

Failure to follow these instructions can result in injury or death.

WARNING

To avoid serious injury or death:

- Read Operator's Manual before operating, servicing, or repairing equipment. Follow all safety rules and instructions. Manuals are available from dealer or call 1-800-319-6937.
- Operate from tractor seat only.
- Never allow children or untrained persons to operate equipment.
- Never replace sheath bolts or auger attaching bolt with longer bolt.

Failure to follow these instructions can result in injury or death.

9 - PN 18869

DANGER

Rotating driveline contact can cause death. Keep away!
Do not operate without:

- All driveline guards, tractor and equipment shields in place.
- Drivelines securely attached at both ends.
- Driveline guards that turn freely on driveline.

8 - PN 1002941

WARNING

Crushing and Pinching Hazard

- Be extremely careful handling various parts of the machine. They are heavy and hands, fingers, feet, and other body parts could be crushed or pinched between tractor and implement.
- Operate tractor controls from tractor seat only.
- Do not stand between tractor and implement when tractor is in gear.
- Make sure parking brake is engaged before going between tractor and implement.
- Stand clear of machine while in operation or when it is being raised or lowered.

Failure to follow these instructions could result in serious injury or death.

12 - PN 1034504

Shield Retainer Knob Storage

To service components guarded by shields:

- Remove knob.
- Lift shield for access to service components.
- Return knob to original location for storage during service.
- Reverse procedure before returning unit to operation.

10 - PN 33347

Located under PTO shield

6 - PN 1032570

DANGER

Entanglement Hazard
Stay clear
Entanglement will cause serious injury or death
OPERATION

The operator is responsible for the safe operation of the equipment. The operator must be properly trained. Operators should be familiar with the equipment, the tractor, and all safety practices before starting operation. Read the safety rules and safety decals on page 4 to page 9.

Post hole diggers are designed for one-man operation. You must always dig holes while sitting in the tractor seat. It is the responsibility of the operator to see that no one else is within twenty-five feet (25') of the digger when it is operating. Accidents have occurred when more than one person is in the immediate area of the operating equipment. Be sure no one else is near you when you operate this product.

Do not put digger into service unless auger point and all cutting edges are intact and in good repair.

Keep bystanders away from equipment.

Shift tractor transmission into park or neutral and set brakes before engaging PTO and digging.

Keep digger under control by running PTO at slowest speed possible (no faster than half-throttle in 540 rpm range).

![CAUTION]

Always wear relatively tight and belted clothing to avoid getting caught in moving parts. Wear sturdy, rough-soled work shoes and protective equipment for eyes, hair, hands, hearing, and head; and respirator or filter mask where appropriate.

Tighten all bolts, nuts, and screws to torque chart specifications. Check that all cotter pins are installed securely to ensure equipment is in a safe condition before putting unit into service.

When digging holes, always sit in operator seat.

Preparation

Thoroughly read and understand your Operator's Manuals.

Before beginning operation, clear area of objects that wrap around the auger or might be thrown.

Contact local utility company to make certain there are no buried gas lines, electrical cables, etc., in the work area.

Check for ditches, stumps, holes, or other obstacles that could cause the tractor to roll.

To dig properly, your digger must be able to raise or lower through the highest and lowest points of your lift arm travel without binding against the tractor frame. Check carefully BEFORE attaching the auger. If it does bind, adjust the tractor 3-pt. linkage so that all movement is free.

10 Operation
Use stabilizer bars, adjustable sway chains, or sway blocks on your tractor lift arms to keep the post hole digger from swaying side to side. Adjust as tightly as practical for best performance. Remove or place tractor drawbar in storage position.

**IMPORTANT**
- Post hole digger gearboxes are shipped without lubrication. Gearboxes must be serviced with 90W gear lube before operation.
- If PTO driveline interferes with swinging drawbar, swing drawbar out of the way or remove.

**OPERATING TECHNIQUE**

**WARNING**
- Never aim auger point with hands on auger, gearbox, boom or driveline. To place auger point use 3-point arms and handle.
- Do not shovel dirt away from a running auger. The shovel could be caught and thrown by auger.

**IMPORTANT**
- NEVER use body weight to help the auger penetrate the ground.
  1. Position the tractor so that the auger point is placed where the hole is to be dug.
  2. Set tractor brakes. Shift transmission into park or neutral.
  3. Do not allow anyone to stand behind, or to the side of a rotating auger.
  4. Lower auger point slowly to the ground with the PTO disengaged.

The point of the auger should be approximately 3” back of center of the gearbox. As the auger works into the ground, this slight angle will straighten, due to the pivoting action of the boom downward. If the auger has a side tilt, correct with the lift arm adjustment on the tractor hitch.

If the auger tilts too far forward or to the rear, it may be necessary to move the tractor slightly. Be careful not to bend the auger.

With the auger point lowered to the ground, set the engine speed to idle, then engage the PTO. Make sure the auger point is on the ground before engaging the PTO.

**IMPORTANT**
- Under no circumstances should the PTO be run in excess of 540 RPM.

As the auger penetrates the ground, lower the unit slowly with the 3-point lift arms. **Do not let the auger screw itself into the ground!** Auger must dig with the dirt breaking up and being carried to the top by the auger flighting.

Dig the hole in small steps. Dig down several inches, then bring the auger up to let the soil clear. Repeat this procedure until the desired depth is reached. This allows better control of the auger and can prevent difficulties that could lead to an accident.

**IMPORTANT**
- Be careful when raising the auger as high as your tractor’s 3-point lift arms can go. This can put the PTO shaft universal joints at an extreme angle and cause damage to the PTO shaft! It is best to raise the auger just enough to clear the hole when the PTO is engaged.
- It is recommended NOT to raise the auger more than six (6) inches above the ground while it is running. Once the hole is dug to the desired depth raise the auger while rotating to bring the dirt out of the hole.

To get a clean hole, it is sometimes best to lower the auger into the hole with the auger turning and then, when at the bottom, stop the rotation and raise the auger while not turning. This brings the dirt up with little left in the hole.

Disengage the PTO when traveling between holes.

In some types of soil it may be necessary to use the 3-point lift arms to prevent the auger from screwing itself into the ground.

When the ground is too tough to penetrate with your cutting edges and point, sharpen or replace them and try again. These are replaceable parts and must be in good condition to penetrate. (An optional Hydraulic Down Pressure Kit is available.)
If you have difficulty penetrating hard ground, refer to the Troubleshooting section in this manual for suggestions.

**DOWN FORCE KIT OPERATION**

**(OPTIONAL)**

**IMPORTANT**

Do not connect RETURN hose to a remote outlet. Remote outlet ports are blocked in the neutral position and will damage the hydraulic cylinder when boom is raised.

1. Lower post hole digger using the 3-point arms and allow auger to dig.
2. If down force is required, slowly apply down force using the control lever for the remote outlet. Apply force in small amounts.
3. Continue to lower the auger using the tractor 3-point lift arms as the auger digs.
4. Raise auger with the 3-point lift arms. Cylinder will retract when auger is raised out of the hole.

**TRANSPORT**

**WARNING**

Do not operate PTO during transport.

The post hole digger auger is free-swinging, and care should be taken while transporting the machine.

Be sure auger is completely retracted from the hole before attempting to move the tractor.

DO NOT transport the post hole digger while the PTO is engaged as this could cause the universal joints of the PTO driveline into a sharp operating angle and cause failure of the driveline.

Pay particular close attention to the Safety Messages regarding transport. Avoid unnecessary injuries and equipment damage by exercising cautious, conscientious travel procedures.

Attaching the implement to the tractor increases the overall length of the working unit. Allow additional clearance for the implement to swing when turning.

Raise the implement as high as possible for transporting.

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**LODGED AUGER**

**WARNING**

When dislodging a stuck auger, disengage PTO, stop engine, remove key, disconnect PTO from tractor, and turn auger backwards with a wrench. Remove and store wrench before starting engine.

**IMPORTANT**

Removing a lodged auger can be dangerous work. Be careful.

1. If the auger gets stuck in wet clay, stones or roots, disengage the PTO immediately and turn off the engine.
2. Turn the auger backwards several turns with a large pipe wrench. Then attempt to raise the auger with the 3-point lift arms. Extreme rocking or lifting loads while trying to clear auger can cause auger, gearbox, or boom failure.

**NOTE:** Do not attempt to raise the auger while turning it with a wrench or with a wrench attached to the auger. You could be injured if the PTO was accidently engaged or the 3-point lift arms suddenly raised the auger.

3. Remove and store wrench before starting engine.

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Figure 2. Dislodge Auger
**SHEAR BOLT REPLACEMENT**

**WARNING**

- Never replace shear bolt or auger retaining bolt with a different length, or grade. Always use a grade 2 bolt as a replacement.

Remove input guard from around driveline.

Shear bolts are important for both safety and preventing damage to the digger. Their intended function is to break when too much force is applied.

Always replace shear bolts at the gearbox input and output shafts with manufacturer's part or one of the same size, length and Grade 2 specification.

Hardened bolts or bolts that are too long can cause accidents resulting in injury or death.

The roll pin (6), Figure 3, prevents the driveline from coming off gearbox shaft if the shear bolt should shear.

Replace input shield after shear bolt replacement.

![Figure 3. Shear Bolt Replacement Shown Without Shield](Image)

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
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<tbody>
<tr>
<td>1.</td>
<td>5/16 NC x 2-1/2 Shear bolt GR2 (For TPD25 &amp; 35)</td>
</tr>
<tr>
<td>2.</td>
<td>5/16 NC Hex lock nut (For TPD25 &amp; 35)</td>
</tr>
<tr>
<td>3.</td>
<td>1/2 NC Shear bolt GR2</td>
</tr>
<tr>
<td>4.</td>
<td>1/2 Lock washer</td>
</tr>
<tr>
<td>5.</td>
<td>1/2 NC Hex nut</td>
</tr>
<tr>
<td>6.</td>
<td>Roll pin</td>
</tr>
</tbody>
</table>

**PRE-OPERATION CHECKLIST**

(OWNER RESPONSIBILITY)

- Review and follow all safety rules and safety decal instructions on pages 5 through 9.
- Check that all safety decals are installed and in good condition. Replace if damaged.
- Check that all shields and guards are properly installed and in good condition. Replace if damaged.
- Consult local utilities before digging. Know location of and avoid contacting all underground cables, pipelines, overhead wires and other hazards in digging area.
- Check that auger point and all cutting edges are intact and in good repair.
- Check that equipment is properly and securely attached to tractor.
- Make sure driveline spring-activated locking pin slides freely and is seated firmly in tractor PTO spline groove or gearbox PTO spline groove.
- Set tractor PTO at correct rpm for your equipment.
- Check all lubrication points and grease as instructed in “Service, lubrication information.”
- Lubricate all grease fitting locations. Make sure telescoping PTO shafts and universal joints are lubricated.
- Check that all hydraulic hoses and fittings are in good condition and not leaking before starting tractor. Check that hoses are not twisted, bent sharply, kinked, frayed or pulled tight. Replace any damaged hoses immediately.
- Make sure tractor 3-point lift links do not interfere with hydraulic hoses or driveline throughout full turning range.
- Check that all hardware and cotter pins are properly installed and secured.
- Check attitude adjustment of auger.
- Check and keep all bystanders away from equipment working area.
- Before starting engine, operator must be in tractor seat with seat belt fastened. Place transmission in neutral or park, engage brake and disengage tractor PTO.

(Rev. 5/15/2015)
MAN1034 (2/28/2013)
The information in this section is written for operators who possess basic mechanical skills. If you need help, your dealer has trained service technicians available. For your protection, read and follow all safety information in this manual.

**WARNING**

- Before performing any service or maintenance, lower digger to ground or block securely, turn off tractor engine, remove key, and disconnect drive-line from tractor PTO.
- NEVER GO UNDERNEATH EQUIPMENT. Never place any part of the body underneath equipment or between moveable parts even when the engine has been turned off. Hydraulic system leak-down, hydraulic system failures, mechanical failures, or movement of control levers can cause equipment to drop or rotate unexpectedly and cause severe injury or death.
  - Service work does not require going underneath implement.
  - Read Operator's Manual for service instructions or have service performed by a qualified dealer.
- Keep all persons away from operator control area while performing adjustments, service, or maintenance.
- Keep hands, feet, hair, and clothing away from equipment while engine is running. Stay clear of all moving parts.
- Keep hands and body away from pressurized lines. Use paper or cardboard, not hands or other body parts to check for leaks. Wear safety goggles. Hydraulic fluid under pressure can easily penetrate skin and will cause serious injury or death.

**WARNING**

- Make sure that all operating and service personnel know that if hydraulic fluid penetrates skin, it must be surgically removed as soon as possible by a doctor familiar with this form of injury or gangrene, serious injury, or death will result. CONTACT A PHYSICIAN IMMEDIATELY IF FLUID ENTERS SKIN OR EYES. DO NOT DELAY.

**CAUTION**

- When lubricating telescoping PTO drives, keep fingers out of shield access slots to prevent injury.

The accompanying chart gives the frequency of lubrication in operating hours, based on normal conditions. Severe or unusual conditions may require more frequent lubrication.

Do not let excess grease collect on or around parts, particularly when operating in sandy areas.

Use an SAE 90W gear lube in gearbox.

Use a lithium grease of No. 2 consistency with a MOLY (molybdenum disulfide) additive for all locations. Be sure to clean fittings thoroughly before attaching grease gun. When applied according to the lubrication chart, one good pump of most guns is sufficient. Do not over grease.

**LUBRICATION CHART**

<table>
<thead>
<tr>
<th>Ref. No.</th>
<th>Description</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Front U-Joint</td>
<td>8 Hours</td>
</tr>
<tr>
<td>2</td>
<td>Rear U-Joint</td>
<td>8 Hours</td>
</tr>
<tr>
<td>3</td>
<td>Rear U-Joint to Input Shaft</td>
<td>Seasonally</td>
</tr>
<tr>
<td>4</td>
<td>Gearbox (Fill to proper level)</td>
<td>Check Daily</td>
</tr>
</tbody>
</table>

Daily lubrication of the PTO slip joint is necessary. Failure to maintain proper lubrication can result in damage to U-joints, gearbox, tractor PTO and/or driveline.
STORAGE

1. Drain and change the oil in your gearbox.
2. Check and replace, where necessary, blades, bolts, nuts on the machine.
3. Clean machine and touch up any rust spots that may have appeared.
4. Replace any safety signs if damaged or painted over.
5. Make sure PTO driveline yoke and gearbox input shaft are clean and free of burrs. Keep well lubricated to prevent galling of yoke and input shaft when shear bolt becomes sheared.
6. Keep all shields in place. Order new shields if damaged or missing.
7. Keep cutting edges sharp. Sharp cutting edges dig easier and better. Outer cutting edges on larger augers wear faster than inner cutting edges; switching teeth will even wear.
8. Store implement in clean, dry location.

REMOVE DIGGER FROM TRACTOR

Optional parking stand is also available. Check with dealer for availability.

Post hole diggers when off the tractor, can be an awkward piece of equipment to handle. Be careful not to pinch hands and fingers in the various hinge points of the digger.

If possible, it is suggested to hang the digger from an overhead rafter or beam. Attach the chain or rope around the boom just ahead of the gearbox. This allows one man to easily reconnect the digger to the tractor when next use is required.

If storing outside, another idea is to dig a hole about 12-18 inches deep. Then shut the PTO off while the auger is in the hole. Set parking brake, turn off engine, and disconnect the digger from the tractor. The auger in the hole will keep the unit upright and make it possible for one man to disconnect or reconnect to the tractor. Doing this, will cause rusting of the auger, but it is easy for one man to handle the unit.

REPLACE CUTTING EDGE

Cutting edges and center points are replaceable. They should be sharpened or replaced when worn.

1. Remove carriage bolt (4), lock washer (5), and hex nut (6) holding cutting tooth to the auger.
2. Replace or sharpen cutting tooth. Install carriage bolt, lock washer, and hex nut previously removed.

3. Remove center point (1) by removing cap screw (3), lock washer (5), and hex nut (6).

POST HOLE DIGGER OPTIONS

1. **Hydraulic Down Force Kit**: For tough, hard soil conditions. This will allow operator to put 300-400 lbs. of down force on the auger to force cutting edges into tough or hard ground. Tractor must have auxiliary hydraulic outlet. Order part number 1009336 for models TPD25 and TPD35. Order part number 1009366 for models TPD65 and TPD95.

2. **Parking Stand**: Order part number 1009324 for model TPD25. Order part number 1009334 for models TPD35 and TPD65 and order part number 1009392 for model TPD95.

3. **Category 0 Mounting Pin Kit**: (For use on model TPD25 only) Order part number 1009326.

4. **Category 2 Bushing Kit**: (For use on models TPD35, TPD65 and TPD95 only) Order part number 1003832.

5. **12" Auger Extension**: (For use on models TPD35, TPD65 and TPD95 only) Available for situations where deeper holes are required. **Note**: Smaller tractors may not raise auger high enough to clear hole when 12" extension is used. Order part number 1009333.

6. **Heavy-Duty Auger**: (For use with models TPD35, TPD65 and TPD95 only) Augers with heavier flighting and reinforced drive tube are available for rocky or tough soil conditions. Check dealer for availability.
CLEAN POST HOLE DIGGER

After Each Use
● Remove large debris such as clumps of dirt, grass, crop residue, etc. from machine.
● Inspect machine and replace worn or damaged parts.
● Replace any safety decals that are missing or not readable.

Periodically or Before Extended Storage
● Clean large debris such as clumps of dirt, grass, crop residue, etc. from machine.
● Remove the remainder using a low-pressure water spray.
● Be careful when spraying near scratched or torn safety decals or near edges of decals as water spray can peel decal off surface.
● Be careful when spraying near chipped or scratched paint as water spray can lift paint.
● If a pressure washer is used, follow the advice of the pressure washer manufacturer.
● Inspect machine and replace worn or damaged parts.
● Sand down scratches and the edges of areas of missing paint and coat with Woods spray paint of matching color (purchase from your Woods dealer).
● Replace any safety decals that are missing or not readable (supplied free by your Woods dealer). See Safety Decals section for location drawing.
# Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Causes &amp; Solution</th>
</tr>
</thead>
</table>
| Auger will not dig | Shear bolt sheared – install new shear bolt.  
Teeth dull – sharpen or replace.  
Ground too dry and hard – order optional down force kit, or wait until it rains.  
Auger turning too fast and bouncing – reduce speed.  
Tall grass has wrapped around auger teeth – remove grass.  
Auger encountering rocks, roots, or other obstruction – lift auger from hole and inspect.  
Auger teeth improperly positioned – see Parts section in this manual for proper tooth pattern. |
| Post hole digger sways side to side | No sway bars or sway blocks on tractor – add same.  
Lift arms not adjusted evenly – adjust lift arms.  
Post hole digger is mounted with excessive looseness in the hitch connecting points – use proper size pins or bushings. |
| Bent auger flighting or bent auger | Tractor moved while auger was turning in hole – always set brakes on tractor and make sure it is out of gear.  
Operator moved tractor with auger in hole to try and straighten a hole being dug at an angle.  
Auger is encountering rocks or roots or other foreign objects – remove object from hole or change location.  
Outer edge of auger flighting is bending due to contact with rocks or roots – use heavy-duty auger with thicker flighting.  
Shear bolt has been replaced with harder bolt – replace with Grade 2 bolt per instructions. |
| Auger screws itself into the ground | Operator did NOT ease 3-point hitch to ground slowly.  
Tractor 3-point does not have position control. Lift auger after advancing every 3" - 4".  
Faulty 3-point hitch hydraulic system on tractor.  
Draft control is not in OFF position.  
Tractor is too small to handle digger. |
| Excessive vibration | PTO driveline bearing cross is worn – replace. |
| PTO driveline assembly comes off input shaft of gearbox when shear bolt is sheared | Roll pin missing in yoke at gearbox input shaft. Install roll pin as per instructions. **THIS IS A DANGEROUS SAFETY HAZARD, CORRECT IMMEDIATELY!** |
| Auger digs so far, but will not dig deeper | See solutions for above. |
| PTO driveline interferes with swinging drawbar – swing drawbar out of the way or remove. | PTO assembly “bottoms out,” not allowing digger to lower – remove auger from digger and lower digger. Gearbox should lower to the ground; if not, PTO driveline assembly may need to be shortened. |
| Tractor hydraulic system may be faulty – consult tractor dealer. | Soil could have hardpan layer 6"-10" below surface – use optional down force kit (see list of optional equipment).
<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>POSSIBLE CAUSES &amp; SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTO driveline failure</td>
<td>Operator raising post hole digger too high above ground when PTO is engaged – causes excessive PTO joint operating angle.</td>
</tr>
<tr>
<td></td>
<td>PTO is engaged while moving between holes. (Auger swings, which causes excessive PTO joint operating angle.)</td>
</tr>
<tr>
<td></td>
<td>Improper use of a hard shear bolt – use Grade 2 bolt per instructions.</td>
</tr>
<tr>
<td></td>
<td>Driveline has not been properly lubricated.</td>
</tr>
<tr>
<td></td>
<td>Engaging tractor PTO with engine at high rpm.</td>
</tr>
<tr>
<td></td>
<td>Digging holes too deep so that PTO driveline contacts ground.</td>
</tr>
<tr>
<td></td>
<td>Operating at high rpm.</td>
</tr>
<tr>
<td></td>
<td>Use of auger extension can require post hole digger to be lifted high, which can cause excessive PTO joint operating angle.</td>
</tr>
<tr>
<td>PTO driveline “galls” or “friction welds” to input shaft of gearbox</td>
<td>Tractor is a “low profile model” (one that is low to the ground). Due to the low height of the tractor, the digger must be raised higher to have the bottom of the auger clear the ground. Generally, low profile model tractors can only use 30” long augers (standard auger length is 42”). Use a different tractor or purchase 30” long augers.</td>
</tr>
<tr>
<td></td>
<td>No lubrication on input shaft of gearbox to allow yoke of PTO driveline to turn freely on input shaft when shear bolt is sheared. Always keep input shaft greased.</td>
</tr>
<tr>
<td>Gearbox failure</td>
<td>No oil in gearbox.</td>
</tr>
<tr>
<td></td>
<td>Oil not changed per instructions.</td>
</tr>
<tr>
<td></td>
<td>Shear bolt has been replaced with a harder bolt – replace with Grade 2 bolt per instructions.</td>
</tr>
<tr>
<td></td>
<td>Bent output shaft is due to operator moving tractor when auger is in hole.</td>
</tr>
<tr>
<td>Gearbox overheating</td>
<td>Low on lubricant – fill to proper level.</td>
</tr>
<tr>
<td></td>
<td>Improper type lubricant – replace with proper lubricant.</td>
</tr>
<tr>
<td>Auger bolts shear on gearbox output shaft</td>
<td>Shear bolt on input shaft has been replaced with a harder bolt – replace with Grade 2 bolt as per instructions.</td>
</tr>
<tr>
<td>Tractor stalls</td>
<td>Auger is encountering rocks or roots or other foreign object – remove object or change hole location.</td>
</tr>
<tr>
<td></td>
<td>Tractor idle is not set correctly – tune tractor engine.</td>
</tr>
</tbody>
</table>
ASSEMBLY INSTRUCTIONS

**WARNING**
- Keep hands, feet, hair, and clothing away from equipment while engine is running. Stay clear of all moving parts.
- Keep all persons away from operator control area while performing adjustments, service, or maintenance.
- Make sure spring-activated locking pin or collar slides freely and is seated firmly in tractor PTO spline groove.

**CAUTION**
- Always wear relatively tight and belted clothing to avoid getting caught in moving parts. Wear sturdy, rough-soled work shoes and protective equipment for eyes, hair, hands, hearing, and head; and respirator or filter mask where appropriate.

**DEALER SET-UP INSTRUCTIONS**
Assembly of the post hole digger is the responsibility of the WOODS dealer. It should be delivered to the owner completely assembled, lubricated, and adjusted for normal conditions.

The digger is shipped partially assembled. Assembly will be easier if the components are aligned and loosely assembled before tightening hardware. Recommended torque values for hardware are located on page 41.

Select a suitable working area. Open parts boxes and lay out parts and hardware to make location easy. Refer to illustrations, accompanying text, parts lists and exploded view drawings.

**IMPORTANT**
- Post hole digger gearboxes are shipped without lubrication. Gearboxes must be serviced with 90W gear lube before operation.

**ATTACH A-FRAME TO BOOM - TPD25**
A tractor is required during assembly of post hole digger. A tractor will make part fit-up, part alignment, and part handling easier.

1. Connect A-frame bars (2), Figure 1, to the lower crossbar (3) using mounting pins (4) and hardware supplied with pins.

2. Connect A-frame and cross to the tractor 3-point arms.

3. Attach boom (1) to the tractor top link bracket using top link pin not supplied with digger.

4. Align top holes on the A-frame bars with the adjustment channel, starting with the middle hole on the boom. Secure into position using cap screw (5) and lock nut (6).

**IMPORTANT**
- With A-frame and boom attached to tractor, raise boom by hand. Check clearance between boom and top link bracket. If interference exists, change hole location and recheck. Failure to check can result in damage to the tractor or boom.

**Figure 1. A-Frame to Boom Assembly (TPD25)**

1. Boom assembly
2. A-frame bar (side bar)
3. Crossbar (lower bar)
4. Category I mounting pin (included nut & lock washer)
5. 3/4 NC x 5-1/2 Cap screw GR2
6. 3/4 NC Nylock hex nut

MAN1034 (2/28/2013)
ATTACH A-FRAME TO BOOM - TPD35, TPD65 & TPD95

A tractor is required during assembly of post hole digger. A tractor will make part fit-up, part alignment, and part handling easier.

1. Connect mounting pins (3), Figure 2, and hardware supplied with pins to the yoke assembly (2).

**NOTE:** On tractors with 3-point arm spacing of 32 inches, place mounting pins on the outside of the yoke assembly. On tractors with 3-point arm spacing of 26 inches or less, place mounting pins on the inside of the yoke assembly.

**NOTE:** Bushing kit 1003832 will be needed for tractors with a Category 2 hitch. Always use bushing kit when using Category 1 pins on a Category 2 hitch. Post hole digger will have a loose fit and be unstable.

2. Connect yoke assembly to the tractor 3-point arms.

3. Attach boom (1) to the tractor top link bracket using sleeve (4), and top link pin not supplied with digger.

4. Align yoke assembly with the adjustment channel on the boom, starting with the middle hole. Secure into position using boom adjustment pin (5) and two cotter pins (6).

**IMPORTANT**

- With boom attached to tractor, raise boom by hand. Check clearance between boom and top link bracket. If interference exists, change hole location and recheck. Failure to check can result in damage to the tractor or boom.
INSTALL SAFETY SHIELDS

1. Place gearbox upside down on a suitable work surface.

2. Attach output shield (2), Figure 3, around the output shaft and secure to gearbox using four cap screws (6) and flat washers (7). Position shield opening to the front.

3. Attach input guard mounting bracket (3) over input shaft and secure to gearbox using four cap screws (6) and flat washers (7).

4. Attach input guard (4) to the input guard mounting bracket (3) and secure with two threaded knobs (5). Retaining chain (8) keeps guard and mounting bracket together.

ATTACH GEARBOX TO BOOM

1. Attach desired auger (A), Figure 4, to output shaft of gearbox (2). Secure with two grade 2 shear bolts (5), lock washers (6), and hex nuts (7). Do not tighten hardware at this time.

2. Stand gearbox and auger assembly on auger point.

3. Place gearbox and auger assembly under boom and slowly lower 3-point arms of tractor.

4. Align gearbox mounting lug and boom. Secure together using gearbox hitch pin (3) and two cotter pins (4).

Figure 3. Safety Shield Installation

A. Auger
1. Boom
2. Gearbox
3. Pin
4. Cotter pin
5. 1/2 NC Shear bolt GR2
6. 1/2 Lock washer
7. 1/2 NC Hex nut

Figure 4. Gearbox to Boom Installation
INSTALL DRIVELINE

1. Gearbox
2. Driveline
3. 5/16 NC x 2-1/2 Shear bolt GR2 (For TPD25 & 35)
4. 3/8 NC x 3 Shear bolt GR2 (For TPD65 & 95)
4. 5/16 NC Hex lock nut (For TPD25 & 35)
5. Roll pin

Figure 5. Driveline Installation

1. Clean input shaft on gearbox and smooth bore of driveline yoke. Remove any foreign material or paint. Lightly file any nicks or dents.

2. Grease the input shaft of the gearbox. This reduces the chance of the driveline galling the shaft if the shear bolt should fail.

3. Slide driveline over input shaft and align cross holes. Insert shear bolt (3) to hold parts together.

4. Install roll pin (5) into driveline yoke to secure driveline to gearbox shaft. Remove shear bolt (3) from cross hole. Driveline yoke should spin freely on shaft.

NOTE: The roll pin prevents the driveline from coming off gearbox shaft if the shear bolt should shear.

5. Secure drive line to input shaft with shear bolt (3) and hex lock nut (4).

ADJUST DRIVELINE LENGTH

Check Driveline Movement

1. Remove auger from gearbox.

2. Attach driveline to the tractor PTO shaft.

3. Remove or place tractor drawbar in storage position.

4. Slowly raise and lower boom with the tractor 3-point arms. Check the driveline to see if it separates, binds, or bottoms out.

NOTE: Gearbox should lower to the ground. If not, change hole location between A-frame and boom or see if driveline is bottoming out. If driveline is bottoming out it will need to be shortened.

Shorten Driveline (If Required)

1. Remove driveline from gearbox shaft and tractor PTO.

2. Lower digger (with auger removed) until the input shaft of gearbox is in line with the PTO shaft of the tractor. This is the shortest distance required for the driveline.

3. Pull driveline apart. Connect driveline halves back to the gearbox and tractor PTO shaft.

4. Hold the two halves parallel to one another to determine how much the driveline must be shortened. Mark each end.

5. Raise the digger to the transport position using the tractor 3-point arms.

6. Hold the two halves parallel to one another and check for a minimum of 6-inch (15 cm) overlap.

NOTE: If driveline has less than 6 inches of overlap, do not use this driveline. Contact your dealer for a longer driveline.

NOTE: If driveline has more than 6 inches of overlap, the driveline will need to be shortened.
Cut Driveline

1. Place driveline half in a padded vise and cut shield off at the determined length.

![Figure 7. Cut Shield (Example)](image)

2. Place the cutoff portion of the shield against the end of the shaft and use it as a guide. Mark and cut the shaft.

![Figure 8. Cut Shaft to Length](image)

3. Repeat steps for other drive half.

4. File and clean cut ends of the both drive halves.

5. Apply a multi-purpose grease to the outside of the male drive half. Slide the two drive halves together.

6. Connect driveline to gearbox and tractor PTO.

**WARNING**

- Make sure spring-activated locking pin or collar slides freely and is seated firmly in tractor PTO spline groove.

7. Make sure roll pin is installed in driveline yoke to secure driveline to gearbox input shaft.

8. Carefully raise and lower the digger to check that the driveline does not pull apart or bind through its range of motion.

9. Use stabilizer bars, adjustable sway chains, or sway blocks on your tractor lift arms to keep the post hole digger from swaying side to side. Adjust as tightly as practical for best performance.

**FILL GEARBOX**

1. Level gearbox and remove top fill plug and top sight plug on back side of gearbox.

2. Fill gearbox with SAE 90W gear lube per model specific amount listed below or until oil runs out of sight hole.

   - **TPD25 and TPD35**: 50 ounces (1.5 Liters)
   - **TPD65**: 59 ounces (1.75 Liters)
   - **TPD95**: 100 ounces (2.9 Liters)

3. Install both plugs.

**INSTALL HANDLE**

1. Slide handle (3), Figure 9, through hole in input guard mounting bracket (2) and opening in side of gearbox.

2. Secure to gearbox using cap screw (4).

![Figure 9. Handle Installed](image)

**Adjust Handle**

Handle is used to position the auger as you lower the tip to the ground. You should be able to easily reach handle while seated in the tractor seat and operate the tractor 3-point lift arms. Adjust as necessary.

1. Bend handle as necessary to provide easy access from the tractor seat.

2. **Shorten Handle**: Remove plastic handle grip. Cut handle to desired length. Replace handle grip.
3. **Lengthen Handle:** Remove plastic handle grip. Weld extension of desired length to handle. Use same size tubing (7/8") as handle. Paint and replace handle grip.

**INSTALL PARKING STAND (OPTIONAL)**

![Figure 10. Parking Stand Installation](image)

1. PTO hook
2. Leg stand
3. Lock pin
4. Parking stand base plate
5. M8 x 1.25P x 16mm Cap screw CL8.8
6. 5/16 Flat washer
7. Output shield

8. Remove 3-point arms and driveline from the tractor.
9. Attach the PTO hook (1) to the boom of the digger.
10. Hang the driveline from the hook to help prevent dirt and debris from accumulating in the locking collar on the driveline PTO yoke.

**INSTALL DOWN FORCE KIT (OPTIONAL)**

**Install Pivot Plates and Cylinder**

1. Remove cap screw that connects A-frame bars to the post hole digger boom.
2. Place pivot plates (1) over outside of A-frame bars and secure with cap screw (2) and lock nut (3). Pivot plates on TPD95 models will not clear the "C" shaped lugs from the side and must be installed from the top.
3. Install second cap screw (2), sleeve (4), and lock nut (3) in middle hole.
4. Install third cap screw (2), two space sleeves (5), base end of cylinder (11), and lock nut (3) in top hole.

![Figure 11. Pivot Plates Installation](image)

1. Pivot plate
2. 3/4 NC x 6 Cap screw GR5
3. 3/4 NC Lock nut
4. Sleeve, 3-7/8 long
5. Sleeve, 15/16 long
11. Cylinder
Install Cylinder Clamps

1. Make sure cylinder (11) is retracted.
2. Place cylinder clamps (6, top) and (7, bottom) around boom, Figure 13.
3. Loosely secure to boom using two cap screws (8), lock washers (9), and hex nuts (10). Clamp should slip on boom.
4. Attach cylinder to top clamp using cap screw (12) and lock nut (13).
5. Raise post hole digger to the full transport position.
6. With cylinder retracted, torque clamp bolts to 300 lbs-ft.

**NOTE:** It may be necessary to retighten clamp bolts after initial use to keep the clamp from slipping.

---

**Figure 12.** Cylinder Clamps Installation

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Install Relief Valve and Hoses

1. Attach adapter (17) and relief valve (14) to the cylinder.
2. Attach male quick coupler (not supplied in kit) to PRESSURE hose (15). Attach hose to the top port on the relief valve.
3. Attach adapter (18) and RETURN hose (16) to the side port on the relief valve.
4. Connect opposite end of RETURN hose directly to the tractor hydraulic reservoir.

**NOTE:** Fitting for this connection are not supplied with this kit.

---

**Figure 13.** Relief Valve and Hoses Installation

**Figure 14.** Down Force Kit Installed

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**IMPORTANT**

- Do not connect RETURN hose to a remote outlet. Remote outlet ports are blocked in the neutral position and will damage the hydraulic cylinder when boom is raised.

---

Install Decal 1009330 on left side of pivot plate.
DEALER CHECK LISTS

PRE-DELIVERY CHECK LIST
(DEALER’S RESPONSIBILITY)
Inspect digger thoroughly after assembly to ensure it is set up properly before delivering it to the customer. The following check list is a reminder of points to inspect. Check off each item as it is found satisfactory or after corrections are made.

IMPORTANT
■ Gearbox was not filled at the factory. It must be serviced before operating post hole digger. Failure to service will result in damage to gearbox.
    ___ Check that all safety shielding and decals are properly installed and in good condition.
    ___ Check all bolts to be sure they are tight.
    ___ Gearboxes are not filled at the factory. Prior to delivery, fill as specified in the Service, lubrication information and check to see that there are no leaking seals.
    ___ Check that all cotter pins are properly installed.
    ___ Check that gearbox is serviced and not leaking.
    ___ Lubricate digger as specified in LUBRICATION INFORMATION, page 14.

DELIVERY CHECK
(DEALER’S RESPONSIBILITY)
___ Point out safety features and explain the importance of safety decals and shielding. Explain the need to keep them properly installed and in good condition.
___ Present Operator’s Manual and ask customer to read it before operating cutter.
___ Show customer how to make adjustments and properly mount digger to tractor.
___ Show customer how to make sure that drive-line is properly installed and that the spring-activated locking pin slides freely and is seated in groove on tractor PTO shaft.
___ Instruct customer how to lubricate post hole digger and explain importance of lubrication.
___ Make customer aware of optional equipment available for this digger.
PARTS INDEX

Post Hole Digger
TPD25 - General Purpose
TPD35 - Standard-Duty
TPD65 - Heavy-Duty
TPD95 - Heavy-Duty

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* Standard Hardware - Obtain Locally
TPD35, TPD65 & TPD95 POST HOLE DIGGER ASSEMBLY

30 Parts
# TPD35, TPD65 & TPD95 POST HOLE DIGGER ASSEMBLY

## PARTS LIST

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* Standard Hardware - Obtain Locally

(Rev. 12/14/2016)
MAN1034 (2/28/2013)
### TPD25 & TPD35 GEARBOX ASSEMBLY

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N/A Not available
TPD65 GEARBOX ASSEMBLY

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NSS = Not Serviced Separately
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<td>1/2&quot; Pipe plug</td>
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NSS Not Serviced Separately
## TPD25 & TPD35 Driveline Assembly

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<td>51</td>
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<tr>
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<td>52</td>
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</tr>
<tr>
<td></td>
<td>41534</td>
<td>2</td>
<td>Cross, journal set</td>
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<tr>
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<td>91</td>
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<td>Male tube yoke w/ pin</td>
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<td>Outer tube</td>
<td>94</td>
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<td>33347</td>
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<td>Inner yoke</td>
<td>99</td>
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<tr>
<td></td>
<td>1025873</td>
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<td>Guard, complete w/manual</td>
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**MAN1034 (2/28/2013)**
TPD65 & TPD95 DRIVELINE ASSEMBLY

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<tr>
<td></td>
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<td>U-joint repair kit</td>
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<td>Yoke, special implement end</td>
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<td>Guard, complete with manual</td>
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<td>Decal, Danger guard missing</td>
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TPD25 AUGER ASSEMBLY

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<tr>
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<td>1036102</td>
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<td>9&quot; Semi-Double flight auger, 36&quot; long</td>
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<tr>
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<td>1036104</td>
<td>1</td>
<td>12&quot; Semi-Double flight auger, 36&quot; long</td>
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<tr>
<td>2</td>
<td>1036170</td>
<td>1</td>
<td>Auger point, spiral (bolt in)</td>
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<tr>
<td>3</td>
<td>1036172</td>
<td>VAR</td>
<td>Auger cutting edge</td>
</tr>
<tr>
<td>4</td>
<td>29893</td>
<td>VAR</td>
<td>1/2 NC x 1-1/2 Carriage bolt, GR5</td>
</tr>
<tr>
<td>5</td>
<td>15349</td>
<td>VAR</td>
<td>1/2 NC x 3 Hex head shear bolt GR2</td>
</tr>
<tr>
<td>6</td>
<td>855</td>
<td>VAR</td>
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<tr>
<td>7</td>
<td>1093</td>
<td>VAR</td>
<td>1/2 NC Hex nut</td>
</tr>
</tbody>
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* Standard Hardware - Obtain Locally
VAR Quantity Varies Per Auger

AUGER TOOTH MOUNTING PATTERN
### TPD35, TPD65 & TPD95 AUGER ASSEMBLY

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<td>1036126</td>
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<td>30&quot; Double flight auger, 48&quot; long</td>
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<table>
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<th>PART</th>
<th>QTY</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Auger cutting edge</td>
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<td>4</td>
<td>29893</td>
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</tr>
<tr>
<td>5</td>
<td>37209</td>
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<td>1/2 NC x 3-1/2 Hex head shear bolt, GR2</td>
</tr>
<tr>
<td>6</td>
<td>855</td>
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<td>1/2 Lock washer</td>
</tr>
<tr>
<td>7</td>
<td>1093</td>
<td>1</td>
<td>1/2 NC Hex nut</td>
</tr>
</tbody>
</table>

* Standard Hardware - Obtain Locally

VAR Quantity Varies Per Auger

---

38 Parts

MAN1034 (2/28/2013)
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<th>REF</th>
<th>TPD25</th>
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<td>2377</td>
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<td>2377</td>
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<td>3/4 NC x 6 Hex head cap screw GR5</td>
<td></td>
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<tr>
<td>3</td>
<td>FA446</td>
<td>FA446</td>
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<td>3</td>
<td>3/4 NC Nylock nut</td>
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<td>1009363</td>
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<td>1009363</td>
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<td>14334</td>
<td>14334</td>
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<td>3/4 NC x 3 Hex head cap screw GR5</td>
<td></td>
</tr>
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<td>2522</td>
<td>2522</td>
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<td>3/4 Lock washer</td>
<td></td>
</tr>
<tr>
<td>10</td>
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<td>3/4 NC Hex nut</td>
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<td>1/2 NC x 2 Hex head cap screw GR5</td>
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<td>1/2 NC Elastic stop nut</td>
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<td>14</td>
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<td>Relief valve, down pressure</td>
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<td>15</td>
<td>1009370</td>
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<td>Hydraulic hose, 3/8 x 60&quot;</td>
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<tr>
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## PARKING STAND (OPTIONAL)

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<td>1009323</td>
<td>1009323</td>
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<td>6096</td>
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<td>4378</td>
<td>4378</td>
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<td>5/16 NC x 3/4 Hex head cap screw GR5</td>
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<tr>
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<td>Gearbox</td>
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</table>

(Rev. 7/1/2013)

40 Parts

MAN1034 (2/28/2013)
BOLT TORQUE CHART

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 parts list.

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

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

All torque values are given to specifications used on hardware defined by SAE J1701 MAR 99 & J1701M JUL 96.

### SAE SERIES TORQUE CHART

<table>
<thead>
<tr>
<th>Diameter (Inches)</th>
<th>Wrench Size</th>
<th>MARKING ON HEAD</th>
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<td></td>
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<td>SAE 2</td>
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<tr>
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<td></td>
<td>lbs-ft</td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>7/16&quot;</td>
<td>6</td>
</tr>
<tr>
<td>5/16&quot;</td>
<td>1/2&quot;</td>
<td>12</td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>9/16&quot;</td>
<td>23</td>
</tr>
<tr>
<td>7/16&quot;</td>
<td>5/8&quot;</td>
<td>36</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>3/4&quot;</td>
<td>55</td>
</tr>
<tr>
<td>9/16&quot;</td>
<td>13/16&quot;</td>
<td>78</td>
</tr>
<tr>
<td>5/8&quot;</td>
<td>15/16&quot;</td>
<td>110</td>
</tr>
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<td>3/4&quot;</td>
<td>1-1/8&quot;</td>
<td>192</td>
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<td>7/8&quot;</td>
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<td>306</td>
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<tr>
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<td>1-1/2&quot;</td>
<td>467</td>
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</table>

### METRIC SERIES TORQUE CHART

<table>
<thead>
<tr>
<th>Diameter &amp; Thread Pitch (Millimeters)</th>
<th>Wrench Size</th>
<th>Coarse Thread</th>
<th>Fine Thread</th>
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<tbody>
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<td></td>
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<td>Metric 8.8</td>
<td>Metric 10.9</td>
</tr>
<tr>
<td></td>
<td></td>
<td>N-m</td>
<td>lbs-ft</td>
</tr>
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<td>10 mm</td>
<td>8</td>
<td>6</td>
</tr>
<tr>
<td>8 x 1.25</td>
<td>13 mm</td>
<td>20</td>
<td>15</td>
</tr>
<tr>
<td>10 x 1.5</td>
<td>16 mm</td>
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<td>29</td>
</tr>
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<td>12 x 1.75</td>
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Typical Washer Installations

- Bolt
- Lock Washer
- Flat Washer

Bolt Torque & Size Charts (Rev. 3/28/2007)

Appendix 41
# BOLT SIZE CHART

**NOTE:** Chart shows bolt thread sizes and corresponding head (wrench) sizes for standard SAE and metric bolts.

<table>
<thead>
<tr>
<th>SAE Bolt Thread Sizes</th>
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<td>5/16</td>
</tr>
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<td>1/2</td>
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<tr>
<td>5/8</td>
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<td>3/4</td>
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<td>7/8</td>
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</table>

<table>
<thead>
<tr>
<th>Metric Bolt Thread Sizes</th>
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<tbody>
<tr>
<td>8MM</td>
</tr>
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<td>10MM</td>
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<td>12MM</td>
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<td>18MM</td>
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## ABBREVIATIONS

- **AG**: Agriculture
- **ASABE**: American Society of Agricultural & Biological Engineers (formerly ASAE)
- **ASAE**: American Society of Agricultural Engineers
- **ATF**: Automatic Transmission Fluid
- **BSPP**: British Standard Pipe Parallel
- **BSPTM**: British Standard Pipe Tapered Male
- **CV**: Constant Velocity
- **CCW**: Counter-Clockwise
- **CW**: Clockwise
- **F**: Female
- **FT**: Full Thread
- **GA**: Gauge
- **GR (5, etc.)**: Grade (5, etc.)
- **HHCS**: Hex Head Cap Screw
- **HT**: Heat-Treated
- **JIC**: Joint Industry Council 37° Degree Flare
- **LH**: Left Hand
- **LT**: Left
- **m**: Meter
- **mm**: Millimeter
- **M**: Male
- **MPa**: Mega Pascal
- **N**: Newton
- **NC**: National Coarse
- **NF**: National Fine
- **NPSM**: National Pipe Straight Mechanical
- **NPT**: National Pipe Tapered
- **NPT SWF**: National Pipe Tapered Swivel Female
- **ORBM**: O-Ring Boss - Male
- **P**: Pitch
- **PBY**: Power-Beyond
- **psi**: Pounds per Square Inch
- **PTO**: Power Take Off
- **QD**: Quick Disconnect
- **RH**: Right Hand
- **ROP**: Roll-Over Protective Structure
- **RPM**: Revolutions Per Minute
- **RT**: Right
- **SAE**: Society of Automotive Engineers
- **UNC**: Unified Coarse
- **UNF**: Unified Fine
- **UNS**: Unified Special
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WARRANTY
All Models Except Mow’n Machine™ Zero-Turn Mowers

Please Enter Information Below and Save for Future Reference.

Date Purchased: ____________________________ From (Dealer): ____________________________
Model Number: ____________________________ Serial Number: __________________________________________

Woods Equipment Company (“WOODS”) warrants this product to be free from defect in material and workmanship. Except as otherwise set forth below, the duration of this Warranty shall be for TWELVE (12) MONTHS COMMENCING ON THE DATE OF DELIVERY OF THE PRODUCT TO THE ORIGINAL PURCHASER.

All current model backhoes, loaders and mounts (except 3-pt. SAF-T-LOK mounts) are warranted for two (2) years from the date of delivery to the original purchaser. The limited warranty covers any defects in the material and/or workmanship. Following the proper, recommended installation by an authorized Woods Dealer and normal use of a Woods mounting and backhoe or loader, if a tractor incurs damage resulting from the attachment, Woods will cover the existing tractor warranty in the event the manufacturer voids its tractor warranty because of the attachment.

Warranty does not cover any misuse or abusive conditions that could cause premature wear or damage to attachment or tractor.

The warranty periods for specific parts or conditions are listed below:

<table>
<thead>
<tr>
<th>Part or Condition Warranted</th>
<th>Model Number</th>
<th>Duration (from date of delivery to the original purchaser)</th>
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<tr>
<td>RDC54, RD60, RD72, TBW150C, TS/R60, TS/R52, TS/R44, RC3.5, RC4, RC5, RC6</td>
<td>3 years (1 year if used in rental or commercial applications)</td>
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<td>All units invoiced after 4/30/2012</td>
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Under no circumstances will this Warranty apply in the event that the product, in the good faith opinion of WOODS, has been subjected to improper operation, improper maintenance, misuse, or an accident. This Warranty does not apply in the event that the product has been materially modified or repaired by someone other than WOODS, a WOODS authorized dealer or distributor, and/or a WOODS authorized service center.

This Warranty does not cover normal wear or tear, or normal maintenance items. This Warranty also does not cover repairs made with parts other than those obtainable through WOODS.

This Warranty is extended solely to the original purchaser of the product. Should the original purchaser sell or otherwise transfer this product to a third party, this Warranty does not transfer to the third party purchaser in any way. There are no third party beneficiaries of this Warranty.

WOODS makes no warranty, express or implied, with respect to engines, batteries, tires or other parts or accessories not manufactured by WOODS. Warranties for these items, if any, are provided separately by their respective manufacturers.

WOODS’ obligation under this Warranty is limited to, at WOODS’ option, the repair or replacement, free of charge, of the product if WOODS, in its sole discretion, deems it to be defective or in noncompliance with this Warranty. The product must be returned to WOODS with proof of purchase within thirty (30) days after such defect or noncompliance is discovered or should have been discovered, routed through the dealer and distributor from whom the purchase was made, transportation charges prepaid. WOODS shall complete such repair or replacement within a reasonable time after WOODS receives the product. THERE ARE NO OTHER REMEDIES UNDER THIS WARRANTY. THE REMEDY OF REPAIR OR REPLACEMENT IS THE SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE OF THIS WARRANTY. WOODS MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, AND WOODS SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY AND/OR ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

WOODS shall not be liable for any incidental or consequential losses, damages or expenses, arising directly or indirectly from the product, whether such claim is based upon breach of contract, breach of warranty, negligence, strict liability in tort or any other legal theory. Without limiting the generality of the foregoing, Woods specifically disclaims any damages relating to (i) lost profits, business, revenues or goodwill; (ii) loss of crops; (iii) loss because of delay in harvesting; (iv) any expense or loss incurred for labor, supplies, substitute machinery or rental; or (v) any other type of damage to property or economic loss.

This Warranty is subject to any existing conditions of supply which may directly affect WOODS’ ability to obtain materials or manufacture replacement parts.

No agent, representative, dealer, distributor, serviceperson, salesperson, or employee of any company, including without limitation, WOODS, its authorized dealers, distributors, and service centers, is authorized to alter, modify, or enlarge this Warranty. Answers to any questions regarding warranty service and locations may be obtained by contacting:

ALITEC™
CENTRAL FABRICATORS®
GANNON®
WAIN-ROY®
WOODS®

WOODS® | A Blount International Brand
2606 South Illinois Route 2
Post Office Box 1000
Oregon, Illinois 61061 USA
800-319-6637 tel
800-399-6637 fax
woodsequipment.com

Model Number: ____________________________ Serial Number: __________________________________________
WOODS® | A Blount International Brand
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woodequipment.com

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