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Safety Information Sheet

AUGER ATTACHMENT SKID-STEER

GENERAL SAFETY PRECAUTIONS

WARNING! PROTECT AGAINST FLYING DEBRIS

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

WARNING! LOWER OR SUPPORT RAISED EQUIPMENT

Do not work under raised booms without supporting them. Do not use support material made of concrete blocks, logs, buckets, barrels, or any other material that could suddenly collapse or shift positions. Make sure support material is solid, not decayed, warped, twisted, or tapered. Lower booms to ground level or on blocks. Lower booms and attachments to the ground before leaving the cab or operator's station.

WARNING! USE CARE WITH HYDRAULIC FLUID PRESSURE

Hydraulic fluid under pressure can penetrate the skin and cause serious injury or death. Hydraulic leaks under pressure may not be visible. Before connecting or disconnecting hydraulic hoses, read your prime mover's operator's manual for detailed instructions on connecting and disconnecting hydraulic hoses or fittings.

- Keep unprotected body parts, such as face, eyes, and arms as far away as possible from a suspected leak. Flesh injected with hydraulic fluid may develop gangrene or other permanent disabilities.
- If injured by injected fluid, see a doctor at once. If your doctor is not familiar with this type of injury, ask him or her to research it immediately to determine proper treatment.
- Wear safety glasses, protective clothing, and use a piece of cardboard or wood when searching for hydraulic leaks. **DO NOT USE YOUR HANDS! SEE ILLUSTRATION.**

QUICK ATTACH MOUNTING ASSEMBLIES

(Includes some Excavator Mounts, Telehandler Mounts and all Skid Steer & Wheel Loader Mounts.)

1. Remove the bucket or other attachment from the prime mover quick attach mechanism.
2. Attach the quick attach mounting bracket to the prime mover quick attach mechanism,
3. Install the auger to the drive unit with the bolt and nut provided with the drive unit assembly.

HYDRAULIC SYSTEM HOOK-UP GENERAL INFORMATION

Once the installation instructions are complete, you are now ready to make the hydraulic connections necessary to operate your earth drill.

READ & UNDERSTAND SAFETY INFORMATION PRIOR TO HYDRAULIC CONNECTIONS.

Your equipment dealer is in the best position to advise you as to where the best place on your machine is to make the hydraulic connections to power your earth drill drive unit. The list below shows most common places to "tap" into the hydraulic system on various machines.

- **SKID STEER LOADERS** - Auxiliary hydraulic outlets.
- **BACKHOES & EXCAVATORS** - Auxiliary hydraulic outlets or bucket curl cylinder circuit.
- **WHEEL LOADERS & TRACTOR LOADERS** - Auxiliary hydraulic outlets or bucket tilt (dump) cylinder circuit.

WARNING! HOSES AND FITTINGS MUST HAVE A CONTINUOUS OPERATING PRESSURE RATING OF AT LEAST 25% HIGHER THAN THE HIGHEST PRESSURES OF THE SYSTEM YOU ARE "TAPPING" INTO.

OPERATING INSTRUCTIONS

1. After all installation instructions have been completed, safety information read and understood, and the rest of this operator's manual has been reviewed, your Hydraulic Earth Drill is now ready for use.
2. With the auger raised off the ground and the vehicle engine set at a low RPM, activate the earth drill control valve to determine which position the control valve lever must be in to turn auger in a forward (clockwise) rotation. This is the "digging" position.
3. Before beginning to dig, experiment with auger speed to determine a suitable auger RPM. Generally in light and sandy soil a high RPM is desirable. In hard, rocky, or frozen soils a slower RPM is desirable. To increase auger RPM, increase vehicle engine RPM. To decrease auger RPM, decrease vehicle engine RPM.
4. Return earth drill control valve to neutral position to stop the auger. Lower the auger to the ground so that only the center point penetrates the ground about 2" (51mm).
5. Activate the earth drill control valve so auger is turning in a forward (clockwise) rotation. Use only enough down pressure to assure positive penetration of auger into the ground. Ease up on down pressure if auger rotation slows down drastically or stalls.
NOTE: Excessive down pressure will cause the auger to stall frequently.
6. When auger has penetrated the ground about 24" (610mm), raise the auger from the hole to clean the dirt out. Repeat this procedure until the desired hole depth is obtained.
7. Once the required hole depth is reached, allow the auger to turn a few seconds at this depth to clean the hole.
8. Return the earth drill control valve to the neutral position to stop the rotation of the auger. Raise the auger out of the hole, move away from the hole, then activate the earth drill control valve to spin the loose soil off of the augers.
NOTE: Do not reverse the auger rotation to remove from the hole as loose soil on the auger flights will fall back into the hole.
9. If necessary, repeat steps 7 & 8 to obtain a cleaner hole.
10. In some soil conditions or when excessive down pressure is applied, auger may "screw" itself into the ground and become stuck causing earth drill to stall. If this happens, reverse the auger rotation (counter-clockwise) by moving the control valve lever to the reverse position and slowly raise the auger. Once unstuck, return the control valve lever to the forward rotation position and continue digging.
11. If the auger becomes lodged under rocks, roots, or other large obstructions, do not attempt to raise the auger out of the ground. See step 10 for proper procedure to relieve the auger.
12. Avoid excessive side loading to earth drill which can cause drive unit or auger damage.
13. Keep auger teeth and points in good condition.

WARNING: To prevent possible injury or death, keep all bystanders 10 feet or more away from rotating auger. Take extra precautions when digging in locations where any type of landscape fabric may be present.