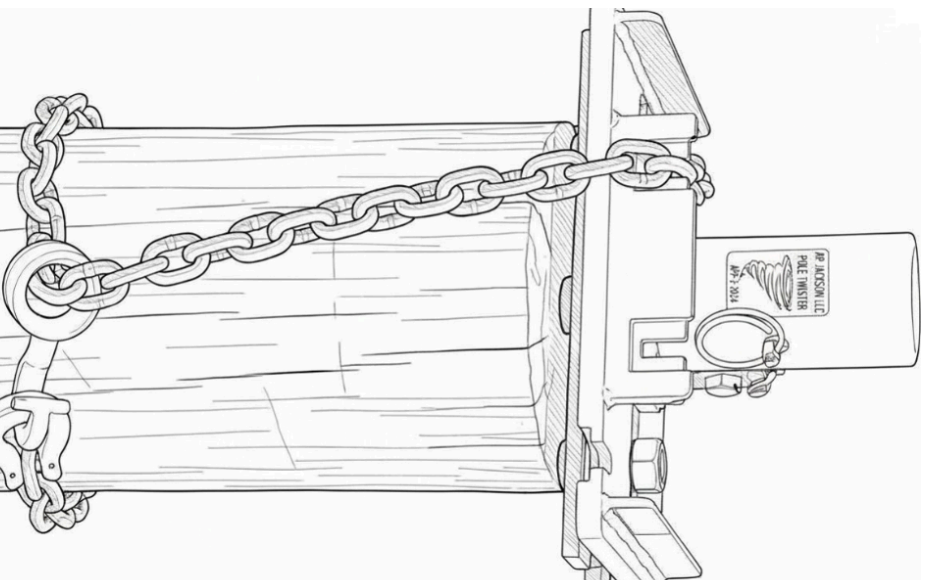




INSTRUCTION MANUAL

Pole Twister



Read and understand all of the instructions and safety information in this manual before operating or servicing this tool.

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Description

The AP Jackson Pole Twister is a heavy-duty, portable tool that can be used to pull poles in confined areas, next to buildings, or out in the open.

Safety

Safety is essential in the use and maintenance of AP Jackson, LLC tools and equipment. This manual and any markings on the tool provide information for avoiding hazards and unsafe practices related to the use of this tool. Observe all of the safety information provided.

Purpose of this Manual

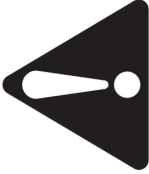
This manual is intended to familiarize all personnel with the safe operation and maintenance procedures for the following AP Jackson LLC tool: *Pole Twister*

Keep this manual available to all personnel. Replacement manuals are available upon request.

All specifications are nominal and may change as design improvements occur. AP Jackson LLC & shall not be liable for damages resulting from misapplication or misuse of its products.

KEEP THIS MANUAL

IMPORTANT SAFETY INFORMATION

 Safety Alert Symbol This symbol is used to call your attention to hazards or unsafe practices which could result in an injury or property damage. The signal word, defined below, indicates the severity of the hazard. The message after the signal word provides information for preventing or avoiding the hazard.	⚠ DANGER Immediate hazards which, if not avoided, WILL result in severe injury or death. ⚠ WARNING Hazards which, if not avoided, COULD result in severe injury or death. ⚠ CAUTION Hazards or unsafe practices which, if not avoided, MAY result in injury or property damage.
 ⚠ WARNING Read and understand all of the instructions and safety information in this manual before operating or servicing this tool. Failure to observe this warning could result in severe injury or death.	 ⚠ WARNING Electric shock hazard: This tool is not insulated. When using this unit near energized electrical lines, use only certified nonconductive hoses and proper personal protective equipment. Failure to observe this warning could result in severe injury or death.

 ⚠ WARNING Pinch points: Keep hands away from moving parts during operation.	⚠ WARNING •Support or secure pole that is being removed. An unsecured pole can fall. •Use only Grade 100 alloy chains that have a minimum working load limit of 4,000kg (8,800lb). Other chains can break during operation. •Do not change accessories, inspect, adjust, or clean tool when it is connected to a power source. Accidental startup can result in serious injury. Failure to observe these warnings could result in severe injury or death.
 ⚠ WARNING Wear eye protection when operating or servicing this tool. Failure to wear eye protection could result in serious eye injury from flying debris or hydraulic oil.	⚠ WARNING Wear eye protection when operating or servicing this tool. Failure to wear eye protection could result in serious eye injury from flying debris or hydraulic oil.

IMPORTANT SAFETY INFORMATION CONTINUED

	⚠ WARNING Wear a hard hat when using this tool. Failure to observe this warning could result in severe injury or death.
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	⚠ WARNING Wear hearing protection when using this tool. Long-term exposure to high noise levels could result in hearing loss.
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	⚠ WARNING Wear foot protection when using this tool. Failure to observe this warning could result in serious injury.
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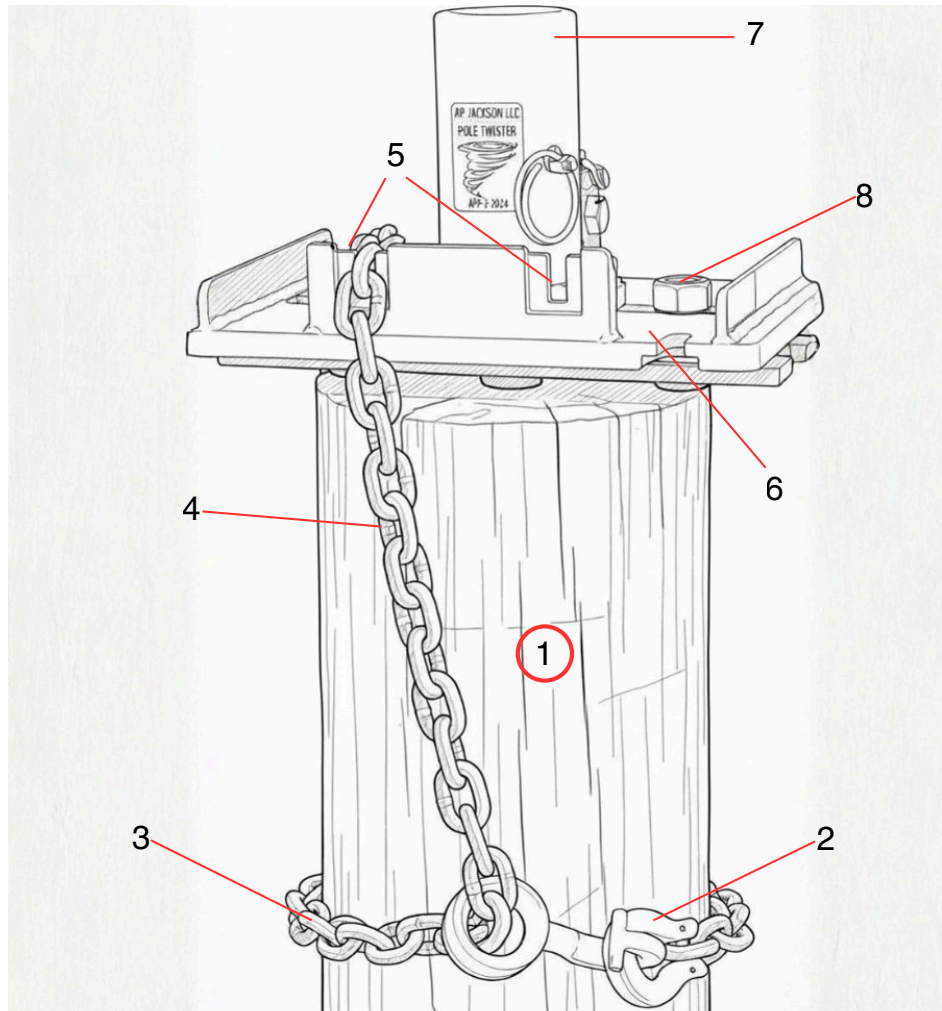
	⚠ WARNING Tool and other components may be hot during and after operation. Allow to cool before handling, or handle with heat-resistant gloves. Failure to observe this warning could result in severe injury.
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⚠ CAUTION
• Inspect tool before use. Replace any worn, damaged, or missing parts. A damaged or improperly assembled tool can malfunction, injuring nearby personnel. • Use this tool for manufacturer's intended purpose only. Use other than that which is described in this manual can result in injury or property damage. • Make sure that all bystanders are clear of the work area when operating the tool. Nearby personnel can be injured by flying debris. Failure to observe these precautions may result in injury.

⚠ WARNING
Do not disconnect tool while the power source is running.

Note: Keep all decals clean and legible, and replace when necessary.

IDENTIFICATION



POLE TWISTER

- | | |
|--------------------|--------------------------|
| 1. Pole | 5. Chain Lock Slots |
| 2. Chain Hook (x2) | 6. Steel Plate |
| 3. Lower Chain | 7. Kelly Bar Adapter |
| 4. Upper Chain | 8. Attachment Bolt & Nut |

SPECIFICATIONS

⚠ WARNING
Use only 3/8" alloy chains that have a minimum working load limit of 4000 kg (8,800 lb). Other chains can break during operation. Failure to observe this warning could result in severe injury or death.

Chains are furnished with the tool. Replacement chains are available from AP Jackson as repair parts. Any chain used with this tool must meet the requirements.

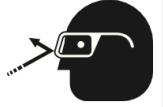
⚠ WARNING
 Pinch points: Keep hands away from moving parts during operation.

⚠ WARNING
• Support or secure pole that is being removed. An unsecured pole can fall. • Use only 3/8" alloy chains that have a minimum working load limit of 4000 kg (8,800 lb). Other chains can break during operation. • Do not change accessories, inspect, adjust, or clean tool when it is connected to a power source. Accidental startup can result in serious injury. Failure to observe these warnings could result in severe injury or death.

Pre-Operation

1. Make sure you have good locates.
2. Job briefing should be completed before starting any work.
3. Use all personal safety protective equipment needed for pulling pole butts.
4. Operator positions line truck correctly for boom use.
5. Ground person will install wheel chocks, ground truck and barricade truck.
6. Operator attaches boom to the pole.
7. Ground person attaches chain to the old pole.
8. Ground person secures the winch line to the pole chain making sure pole is butt heavy.
9. PPE and chainsaw chaps shall be used when cutting the pole (14-30 inches above ground).
10. All ground persons shall stand clear while the operator removes pole.
11. Operator lowers pole to the ground.
12. Ground persons will unhook old pole.
13. Operator moves auger to a secure location.
14. To remove auger, the ground person will pull the latch and pin, raise boom up, detach from auger.
15. Operator to raise boom up to detach from auger.
16. Lower kelly bar down 4 feet from ground.
17. Always use two people to install pole twister to the kelly bar. Place pin in kelly bar and latch pin to secure.
18. Remove Spike Cap from Pole Twister
19. If the ground is hard, shovel around old pole. To reduce friction, probe around pole butt adding about half gallon of water.
20. Ground person installs both the Upper and Lower pole chains around pole butt, crossing the chain to tighten.
21. Ground person drills 1.5 inch pilot hole in the center of the old pole.
22. Operator restarts truck and position boom spike over the center of the pole.
23. All persons on ground shall stand clear.
24. Operator pushes pole twister into the pilot hole, shut the truck off.
25. Ground person installs pole chains into the slots located on both sides of the Pole Twister.
26. Ground person shall stand back 15 feet.
27. Operator will begin spinning pole butt while raising the boom until the pole butt is about 3 - 4 feet OUT of the ground
28. Briefly reverse the auger to make slack in the chains and shut off truck
29. Ground person will detach the pole twister from pole butt.
30. Operator restarts truck, raise the boom and lower the winch line.
31. Operator will remove the pole butt by attaching the winch line to the Pole Twister's 8,800lb lifting chain (Upper Chain)
32. If pulling multiple poles keep pole twister attached and add Rack & Roll attachment to the kelly bar.
33. Ground person shall stand clear while kelly bar is being raised and lowered.
34. When finished removing pole butts, the ground person will reattach auger to kelly bar.
35. Recover Poile Twister's Spike Cap and place back over spike for transport.
36. Operator racks the truck.

MAINTENANCE

	⚠ WARNING
	Wear eye protection when operating or servicing this tool. Failure to wear eye protection could result in serious eye injury from flying debris or hydraulic oil.

⚠ WARNING
Do not change accessories, inspect, adjust, or clean tool when it is connected to a power source. Accidental startup can result in serious injury. Failure to observe this warning could result in severe injury or death.

⚠ CAUTION
Inspect the tool every operating day. Repair or replace if cracking, wear, or damage is evident. Damaged tool can fail, resulting in injury or property damage.

Use this maintenance schedule to maximize the tool's service life.

Notes: Keep all decals clean and legible, and replace when necessary.

When disposing of any components, do so in accordance with federal, state, and local laws or ordinances.

DAILY

1. Wipe all tool surfaces clean.
2. Inspect the tool for signs of cracks, wear, or damage on the plate, bolts, and chains. Repair or replace components if necessary.
3. Inspect pole chain for any type of damage. Replace chain immediately, if damaged.
4. Inspect kelly bar adapter for any damage.
5. Ensure all bolts are tight and in good working condition.

TROUBLESHOOTING

BEFORE YOU BEGIN:

1. Check for pole foam. If yes, use foam cutter around the pole, add half gallon of water around pole butt.
2. Always make sure there is sufficient space above the pole to avoid any contact with a live power line. Failure to do so could result in severe injury or death.
3. Always use two pole chains on the Pole Twister for maximum grip.

WARNING

Do not disconnect tool while the power source is running. This could cause serious injury.

Assembly

When assembling parts, refer to the Illustrations and Parts Lists for correct orientation and placement of parts.

1. Operator moves auger to a secure place.
2. To remove auger, the ground person will pull the latch and pin.
3. Operator elevates the boom and detaches from auger
4. Rotate the boom away from the auger and lower down to 4 feet above the ground.
5. Use two people to install the Pole Twister to the kelly bar & remove Spike Cap
6. Place pin in kelly bar and secure with latch pin.

Disassembly

1. Lower Pole Twister 4 feet from the ground.
2. Replace the Spike Cap
3. Pull the latch pin and the pin.
4. Store Pole Twister on the truck bin.
5. Reattach auger and rack truck boom.