This instruction manual describes the installation, operation, and maintenance for a Werk-Brau Grapple attachment. Please take the time to record the information listed below.

Serial No.:______________________________

Model No.:____________________________

Date Manufactured:______________________

Introduction

Thank you for your purchase! You have received a high quality, extremely versatile attachment that will increase your machines capability. This product will help you manipulate material and debris. With inspections and proper care your attachment will last you a long time in a rugged environment.

NOTE: Pictures and diagrams thru out this manual may not be your exact Werk-Brau attachment. The pictures represent an action or a setup
Safety Statement Guide

Danger tags are used in major hazard situations where an immediate hazard presents a threat of death or serious injury to operator and anyone about.

Warning tags are used to represent a hazard level between “Caution” and “Danger”, instead of the required “Caution” tag, provided that they have a signal word of “Warning,” an appropriate major message.

Caution tags are used in minor hazard situations where a non-immediate or potential hazard or unsafe practice presents a lesser threat of injury.

A notice label is used where equipment or property damage could result if the instructions are not followed properly.

This symbol by itself or used with a safety signal word throughout this manual is used to call your attention to instructions involving your personal safety or the safety of others. Failure to follow these instructions can result in injury or death.

General Safety Precautions

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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 operating machine'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. Wear safety glasses, protective clothing, and use a sound piece of cardboard or wood when searching for hydraulic leaks. DO NOT USE YOUR HANDS!
- If injured by injected fluid, see a doctor at once. If your Doctor is not familiar with this type of injury, ask him to research immediately to determine proper treatment.

DO NOT MODIFY MACHINE OR ATTACHMENTS

Modifications may weaken the integrity of the attachment and may impair the function, safety, life and performance of the attachment. When making repairs, use only the manufacturer's genuine parts, following authorized instructions. Other parts may be substandard in fit and quality. For loaders, never modify any ROPS (Roll Over Protection System) equipment or device.

!!!Any modifications must be authorized in writing by the Werk-Brau or the manufacturer!!!

SAFELY OPERATE THE EQUIPMENT

- Do not operate equipment until you are completely trained by a qualified operator in how to use the controls, know its capabilities, dimensions, and all safety requirements. See your operating machine's manual for these instructions.
- Keep all step plates, grab bars, pedals, and controls free of dirt, grease, debris, and oil.
- Be sure that all bystanders are out of harms way when operating.
- Do not allow riders on the attachment or operating machine.
- Do not operate the equipment from anywhere other than the correct operators position.
- Never leave equipment unattended with the engine running or with this attachment in a raised position.
- Do not alter or remove any safety feature from the operating machine or this attachment.
- Know your work site safety rules as well as traffic rules and flow. When in doubt on any safety issue, contact your supervisor or safety coordinator for an explanation.

SAFELY MAINTAIN AND REPAIR EQUIPMENT

- Do not wear loose clothing, or any accessories that can catch in moving parts. If you have long hair, cover or secure it so that it does not become entangled in the equipment.
- Work on a level surface in a well-lit area.
- Use properly grounded electrical outlets and tools.
- Use the correct tool for the job at hand. Make sure tools are in good condition.
- Wear all protective equipment specified by the tool manufacturer.
OPERATING PRECAUTIONS

**WARNING**
DO NOT IMPROPERLY USE Attachment
This coupler is designed to grab objects and debris and not for any other use.

**DANGER**
BE AWARE OF SURROUNDING UTILITIES
Operator must be aware of all utility line and overhead electrical lines. Operations must be able to clear all lines safely.

**NOTICE**
BE AWARE OF OVERHEAD DANGER
Operator must be aware of all possible overhead dangers that are within the range of motion of the operating machine.

**WARNING**
DO NOT OPERATE WITH A LOOSE ATTACHMENT
Visually check the coupler to verify attachments are secure and lock is fully engaged and that the center to center of the attachment matches the up with the coupler.

**WARNING**
PINCHE POINTS
Personal injury could result from the careless misuse of this coupler. Keep hands and body parts clear of the coupler when it’s in the process of hooking up to an attachment. Be sure the machine is off and the attachment is on the ground prior to making adjustments.

Torque Specs

Please observe these approved specs. Failure to observe these specs can result in damage and other undesirable results.

<table>
<thead>
<tr>
<th>Dash Size</th>
<th>Tube Size</th>
<th>Thread Size</th>
<th>37° Flare</th>
<th>Straight Thread</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>O.D. (Ref)</td>
<td>Ft. Lbs</td>
<td>Nm</td>
<td>Ft. Lbs</td>
</tr>
<tr>
<td>4</td>
<td>1/4</td>
<td>10-12</td>
<td>14-16</td>
<td>15-19</td>
</tr>
<tr>
<td>5</td>
<td>5/16</td>
<td>13-16</td>
<td>18-21</td>
<td>20-25</td>
</tr>
<tr>
<td>6</td>
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<td>27-33</td>
<td>32-40</td>
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<tr>
<td>8</td>
<td>1/2</td>
<td>34-42</td>
<td>46-56</td>
<td>54-67</td>
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<tr>
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<td>5/8</td>
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<td>87-108</td>
<td>102-128</td>
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<td>7/8</td>
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<td>109-135</td>
<td>128-160</td>
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<tr>
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<td>1</td>
<td>97-117</td>
<td>131-158</td>
<td>150-187</td>
</tr>
<tr>
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<td>1 1/4</td>
<td>145-165</td>
<td>197-223</td>
<td>227-264</td>
</tr>
<tr>
<td>24</td>
<td>1 1/2</td>
<td>230-250</td>
<td>312-338</td>
<td>363-400</td>
</tr>
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</table>

*Apply enough pipe sealer to contact all threads.

**Do not use that excess will squeeze into the hydraulic lines.**
WARNING!
Escaping fluid under pressure can have sufficient force to penetrate the skin, causing serious personal injury. Fluid escaping from a very small hole can be almost invisible. Use a piece of cardboard or wood, rather than hands, to search for suspected leaks. 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 to research it immediately to determine proper treatment.

![Diagram](image.png)

IMPORTANT: When replacing parts, use only factory approved replacement parts. Manufacturer will not claim responsibility for use of unapproved parts or accessories, and/or other damages as a result of their use.
EZG-TC2 INSTALLATION INSTRUCTIONS

WARNING: DISCONNECT THE BATTERY BEFORE USING WELDER ON MACHINE

MAX PRESSURE FOR ALL MACHINES: 2500psi
Storage

- Clean the unit thoroughly, removing all mud, dirt, and grease.
- Inspect for visible signs of wear, breakage, or damage. Order any parts required and make the necessary repairs to avoid delays upon removal from storage.
- Tighten loose nuts, cap screws and hydraulic connections.
- Coat exposed portions of the cylinder rods with grease.
- Lubricate grease fittings.
- Seal hydraulic system from contaminants and secure all hydraulic hoses off the ground to help prevent damage.
- Replace decals that are damaged or in unreadable condition.
- Store unit in a dry and protected place. Leaving the unit outside will materially shorten its life. Additional Precautions for Long Term Storage:
  - Touch up all unpainted surfaces with paint to prevent rust. REMOVAL FROM STORAGE
  - Remove cover.
  - Wash unit and replace any damaged and/or missing parts.
  - Lubricate grease fittings.
  - Check hydraulic hoses for damage and replace as necessary.

Maintenance and Service

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Daily</th>
<th>Every 40 Hrs</th>
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</thead>
<tbody>
<tr>
<td>Check all bolts and nuts for tightness</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Replace any missing bolts or nuts with approved replacement parts</td>
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<td>X</td>
</tr>
<tr>
<td>Check hydraulic system for hydraulic oil leaks. See procedure below.</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Visually inspect the machine for worn parts or cracked welds, and repair as necessary.</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Lubricate all grease fittings</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

Oil Cleanliness Requirements

IMPORTANT - All hydraulic fluid shall be filtered before use in any FFC product to obtain the ISO cleanliness standard of 20/18/15. Unless explicitly specified otherwise.

Fittings/Hoses Inspection Guidelines

Stop the prime mover engine and release hydraulic pressure before servicing or adjusting hydraulic system.
Werk-Brau Co. INC.,
2800 Fostoria Rd
P.O. Box 545
Findlay, Ohio
45839

For replacement parts, questions, and other matters please call your local dealer. If you cannot reach a local dealer please call and we will be happy to find a dealer for you and answer any questions.

PHONE: 1-800-537-9561
FAX: (419) 422-7207
WEBSITE: www.werk-brau.com

Engage with us!
Facebook & LinkedIn

Record of Revisions

<table>
<thead>
<tr>
<th>Revision</th>
<th>Date</th>
<th>Notes</th>
</tr>
</thead>
</table>

ABOUT WERK-BRAU

Since 1947, Werk-Brau has manufactured the highest quality and most innovative specialty products for the heavy equipment industry. Werk-Brau is respected internationally for providing outstanding customer service and being dedicated to excellence in all aspects of our business. Duke Werkheiser and Dutch Brautigan, for whom the company is named after, first opened their blacksmith shop in Findlay Ohio. Still today Werk-Brau manufactures and produces in Findlay Ohio, in a state of the art facility.

Over the decades Werk-Brau has grown and become so much more than a simple blacksmith operation. Today Werk-Brau proudly employs an industry leading team of professionals who work hard to follow the vision set by the founders of Werk-Brau to “Provide Excellence in Customer Service”. As a modern company Werk-Brau is efficient, high-tech, dedicated to its customers, and deeply proud of the quality of products manufactured.

Werk-Brau manufactures a complete line of O.E.M. and replacement attachments for excavators, mini excavators, backhoes, skid steers, mini and full size loaders and crawler loaders. All over the world Werk-Brau attachments can be found hard at work in the toughest of conditions.

Made in America Since 1947!

THANK YOU FOR YOUR PURCHASE!

WORK SAFE!