STOP
DO NOT RETURN TO STORE
For Missing Parts or Assembly Questions Call 1-866-576-8388

This is an attachment for “Garden Tractors” with 23” or larger rear tires only. The sleeve hitch is not designed to fit or be used on “Yard Tractors” or “Lawn Tractors” that have 22” or smaller rear tires.

CAUTION:
Before using this product, read this manual and follow all Safety Rules and Operating Instructions.

Sears Brands Management Corporation, Hoffman Estates, IL 60179 U.S.A.
www.sears.com/craftsman
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WARRANTY

ONE YEAR FULL WARRANTY

When operated and maintained according to the instructions supplied with it, if this Sleeve Hitch fails due to a defect in material or workmanship within one year from the date of purchase, call 1-888-331-4569 to arrange for free repair (or replacement if repair proves impossible).

If this product is used for commercial or rental purposes, this warranty applies for only 90 days from the date of purchase.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Sears, Roebuck and Co., Hoffman Estates, IL 60179

DO NOT RETURN TO STORE for Missing Parts or Assembly Questions
Call 1-866-576-8388 Attachment Hotline

SAFETY

Any power equipment can cause injury if operated improperly or if the user does not understand how to operate the equipment. Exercise caution at all times, when using power equipment.

- Read this owners manual and your vehicle and implement owners manuals before using this hitch.
- Do not allow children to operate vehicle or sleeve hitch.
- Do not allow adults to operate the vehicle or sleeve hitch without proper instructions.
- Do not allow anyone to ride on sleeve hitch.
- Always place sleeve hitch in lowered position when attaching an implement.
- Before lowering and operating the implement, be sure no one is near the area of operation.
- Lower the sleeve hitch and implement when leaving vehicle unattended.
- Vehicle braking and stability may be affected. Drive slowly when sleeve hitch and implement are in raised position. Stay off of steep slopes.
- Keep all nuts and bolts tight and be sure the equipment is in safe operating condition.

Look for this symbol to point out important safety precautions. It means — Attention!! Become alert!! Your safety is involved.

The model number and serial numbers will be found on a decal attached to the frame.

You should record both the serial number and the date of purchase and keep in a safe place for future reference.

MODEL NUMBER: 486.24586
SERIAL NUMBER: __________________
DATE OF PURCHASE: ________________
The following accessories are recommended for use with your unit. Call 1-888-331-4569 to find out if they are available. If available, they may be purchased at most Craftsman outlets or by calling 1-888-331-4569.

**ELECTRIC ASSIST KIT - MODEL 486.24545**

**ACCESSORIES**

The following accessories are recommended for use with your unit. Call 1-888-331-4569 to find out if they are available. If available, they may be purchased at most Craftsman outlets or by calling 1-888-331-4569.

**HARDWARE PACKAGE CONTENTS**

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<tr>
<th>REF</th>
<th>PART NO.</th>
<th>QTY</th>
<th>DESCRIPTION</th>
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**NOTE:** Bolt (C), Lock Washer (L) and Nut (K) will only be used if the mounting holes in the tractor do not already contain bolts and nuts.

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**Diagram:**

The diagrams show the different hardware components, including bolts, nuts, washers, and clevis pins, as referenced in the table.
### CARTON CONTENTS

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</table>

### TOOLS FOR ASSEMBLY

#### TOOLS NEEDED FOR ASSEMBLY

1. 1/2" Wrench or Adjustable Wrench
2. 9/16" Wrenches or Adjustable Wrenches
3. 15/16" Wrenches or Adjustable Wrenches
STEP 1: (SEE FIGURE 1)
- Assemble a 5/16" x 1" hex bolt, a spacer and a 5/16" nylock nut to the hole in the Right Pivot Bracket.

STEP 2: (SEE FIGURE 2)
- Place the Left Pivot Bracket onto the end of the Lift Lever Assembly (the Right Pivot Bracket comes already installed on the assembly).
- Attach the Right and Left Pivot Brackets to the Sleeve Hitch Frame Assembly using four 3/8" x 1" carriage bolts and 3/8" nylock nuts.

LOCATE TRACTOR MODEL NUMBER
Look under the seat of your tractor and locate the model number. For tractors with model numbers beginning with 917, proceed to MOUNTING BRACKET ASSEMBLY on page 6. For tractors with model numbers beginning with 247, proceed to MOUNTING BRACKET ASSEMBLY on page 7.
MOUNTING BRACKET ASSEMBLY

THIS ASSEMBLY IS FOR 917 TRACTOR MODELS ONLY.

IF YOUR TRACTOR LOOKS LIKE FIGURE 1A
- Install two 3/8" x 1-1/4" hex bolts in the left side of the tractor as shown. Attach the Left Mounting Bracket (pin at top facing in) to the bolts using two 3/8" lock washers and 3/8" hex nuts. Repeat on the right side.

STEP 1: (SEE FIGURE 2)
- Hook the Sleeve Hitch Frame assembly onto the weld pins. Attach the bottom of the assembly to the tractor hitch using a 5/8" x 1-3/4" hex bolt and a 5/8" nylock nut.

NOTE: If your tractor hitch has ridges that prevent the sleeve hitch assembly from resting flat, place the spacer plate underneath the sleeve hitch assembly.

STEP 2: (SEE FIGURE 2)
- Proceed to LIFT ASSEMBLY instructions on page 8.

IF YOUR TRACTOR LOOKS LIKE FIGURE 1B
- Remove the nuts from the two bolts shown in each side of the tractor, leaving the bolts in place.
- Attach the Left Mounting Bracket (pin at top facing in) to the bolts using the original nuts and a 3/8" flat washer. Repeat for the other side.

NOTE: If no bolt and nut are present in a hole, use a 3/8" x 1-1/4" hex bolt, 3/8" lock washer and 3/8" hex nut to attach the Mounting Bracket to the hole.
MOUNTING BRACKET ASSEMBLY

THIS ASSEMBLY IS FOR 247 TRACTOR MODELS ONLY.

STEP 1: (SEE FIGURE 1)
- Hook the Sleeve Hitch Frame assembly onto the shoulder bolts of the tractor frame. Attach the bottom of the assembly to the tractor hitch using a 5/8" x 1-3/4" hex bolt and a 5/8" nylock nut.

STEP 2: (SEE FIGURE 1)
- Proceed to LIFT ASSEMBLY instructions on page 8.

FIGURE 1
**STEP 1: (SEE FIGURE 1)**
- Assemble the two 5/8” jam nuts halfway onto the two 5/8” x 2” hex bolts. Screw the bolts into the nuts that are welded to the Sleeve Hitch Lift Assembly. Tighten the jam nuts against the welded nuts.
- Assemble the Lifting Link to the Sleeve Hitch Lift Assembly using a 5/8” x 1-3/4” hex bolt and a 5/8” nylock nut. Use the bottom hole in the Lifting Link (gives the lowest implement depth setting). Tighten the nut only until snug. Do not squeeze welded arms together.

**STEP 2: (SEE FIGURE 2)**
- Attach the Sleeve Hitch Lift Assembly to the Sleeve Hitch Frame Assembly using three 5/8” x 1-3/4” clevis pins and 3/32” hair cotter pins.
- Install the Hitch Pin in the sleeve hitch and secure it with the 5/32” hair cotter pin.
**OPERATION**

- Move the lift lever backward to lower the sleeve hitch.
- Attach an implement using the sleeve hitch pin. Tighten the 5/8” x 2” stabilizer bolts against the implement hitch and then tighten the jam nuts. See Figure 5 on Page 5.

**IMPORTANT:** Some implements may require that the stabilizer bolts not be tightened. Refer to your implement owner’s manual.

- The sleeve hitch is assembled in the lowest position by following the assembly instructions. If the implement attached to the sleeve hitch is not level front to back during operation, move the hex bolt to a different hole in the lifting link (3 holes available) that gives better leveling.

- To tow an implement that has a tow hitch, simply remove three clevis pins and then remove the Sleeve Hitch Lift Assembly from the Sleeve Hitch Frame Assembly.
- To remove the entire Sleeve Hitch attachment, remove the 5/8” x 1-3/4” hex bolt and 5/8” nylock nut which fasten the bottom of the sleeve hitch to the tractor hitch, then lift the attachment off the tractor.

---

**MAINTENANCE**

- Clean off after each use.
- Oil pivot points as needed.
- Store in a dry location.
### Repair Parts for Model 486.24586 Sleeve Hitch

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**Assembly Parts**

- Clevis Pin, 5/8" x 1-3/4" (2 pieces)
- Lock Washer, 3/8" (4 pieces)
- Hex Nut, 3/8-16 (4 pieces)
Product questions or problems?

1-888-331-4569

Customer Care Hot Line

Get answers to questions, troubleshoot problems, order parts, or schedule repair service.

Para respuestas a preguntas o problemas, y ordenar piezas o pedir servicio para la reparación de su equipo.

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