



## Thank You

Thank you for purchasing this WBM product. We strive to provide the best possible attachments and product support in the industry. Should we fall short in any way please contact us directly.

Please review this product manual for important information before assembly, installation or operation.

While every effort has been made to ensure the accuracy of any information presented in this document, please let us know of any errors or omissions therein, or, give us suggestions to improve this publication. Please contact your local equipment dealer or Weldco-Beales Mfg.

This product manual is available online through the dealers portal on our website. Portal sign-up instructions are there.

### Installation

Should you encounter, or identify, any problems during assembly & installation please contact your local equipment dealer or Weldco-Beales Mfg., for immediate assistance.

### Warranty

Should this product develop any problems during its warranty period, please contact the service department of your local supplier. A claim will be made on your behalf. Please refer to our website for warranty policies and procedures.

Edmonton AB & Central USA	Langley BC & Western USA	Barrie ON & Eastern USA	Warranty
1-800-661-4155	1-800-665-0511	1-877-320-4286	1 877 456 7779

[www.weldco-beales.com](http://www.weldco-beales.com)

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# MANUAL QUICK COUPLER





PARTS, SERVICE AND INSTALLATION MANUAL  
GENERAL INFORMATION  
GENERAL SAFETY




## General Information

Before working with the attachment, each person must do the following:

- Read the complete manual, including safety messages and decals.
- Review all available documents about the machine, including hazard assessments and operation manuals.
- Make the working area safe, by keeping all personnel and objects at the safe working distance (refer to original equipment manufacturer documents).

Safety Message Classification	
 <b>DANGER</b>	Identifies a very hazardous situation that WILL result in PROPERTY DAMAGE, SERIOUS INJURY OR DEATH.
 <b>WARNING</b>	Identifies a hazardous situation that COULD result in PROPERTY DAMAGE, SERIOUS INJURY OR DEATH.
 <b>CAUTION</b>	Identifies a hazardous situation that MAY result in PROPERTY DAMAGE OR INJURY.
 <b>NOTICE</b>	Identifies a hazardous situation that MAY result in PROPERTY DAMAGE (to the attachment or to the machine).

For help with the attachment, call your equipment dealer or Weldco-Beales Manufacturing Ltd (WBM).

 <b>WARNING</b>
<p>General</p> <ul style="list-style-type: none"><li>• This manual contains important information about installation, operation and maintenance of the attachment. It must be read by each person working with the attachment.</li><li>• This manual does not replace training and experience.</li><li>• The owners and operators are always responsible for safe operation.</li></ul> <p>Failure to read the manual, get proper training and to safely operate the attachment may result in property damage, serious injury or death.</p>

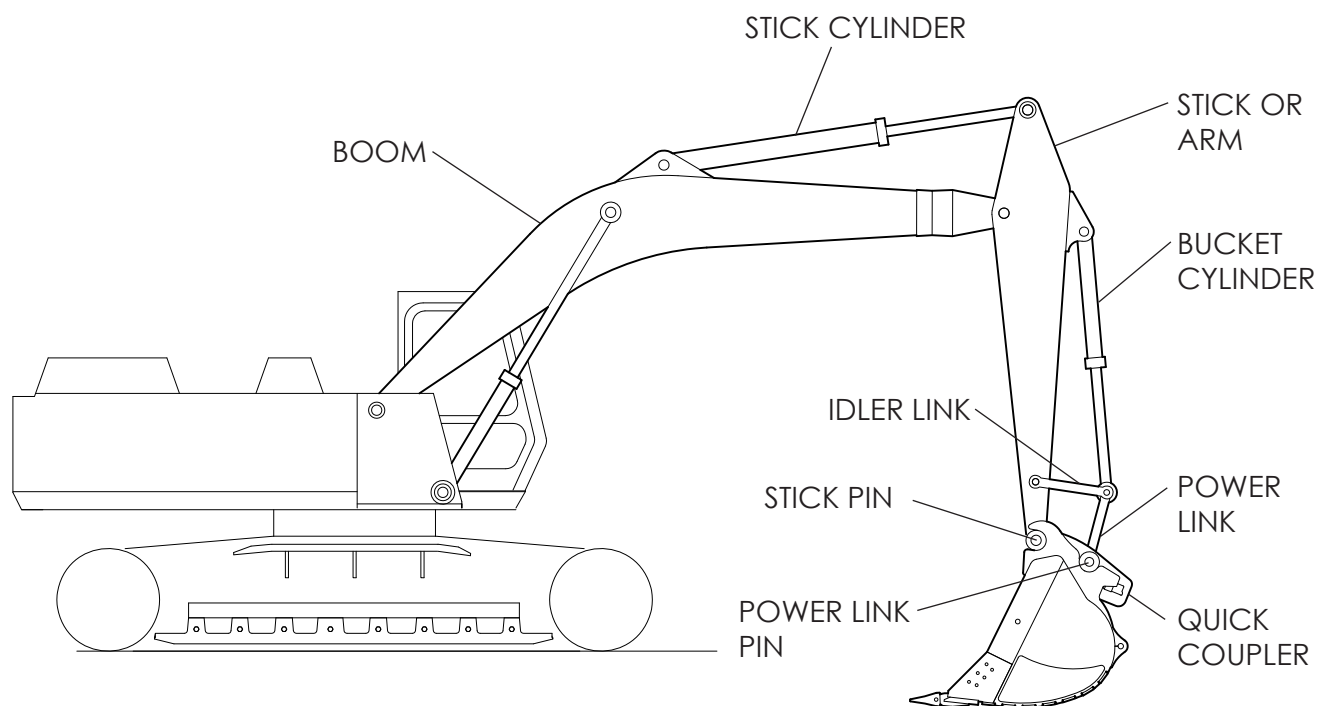
# MANUAL QUICK COUPLER

PARTS, SERVICE AND INSTALLATION MANUAL  
GENERAL INFORMATION  
TERMINOLOGY

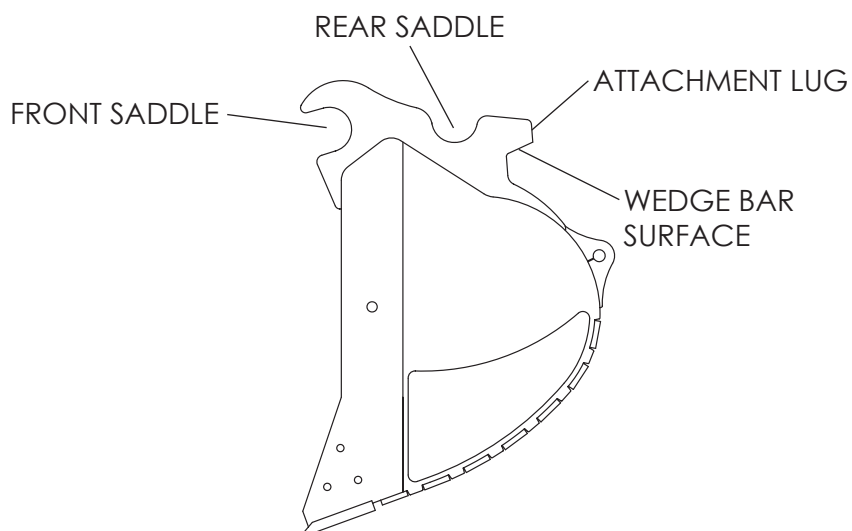


## Terminology

### Excavator Terminology



### Excavator Bucket Terminology

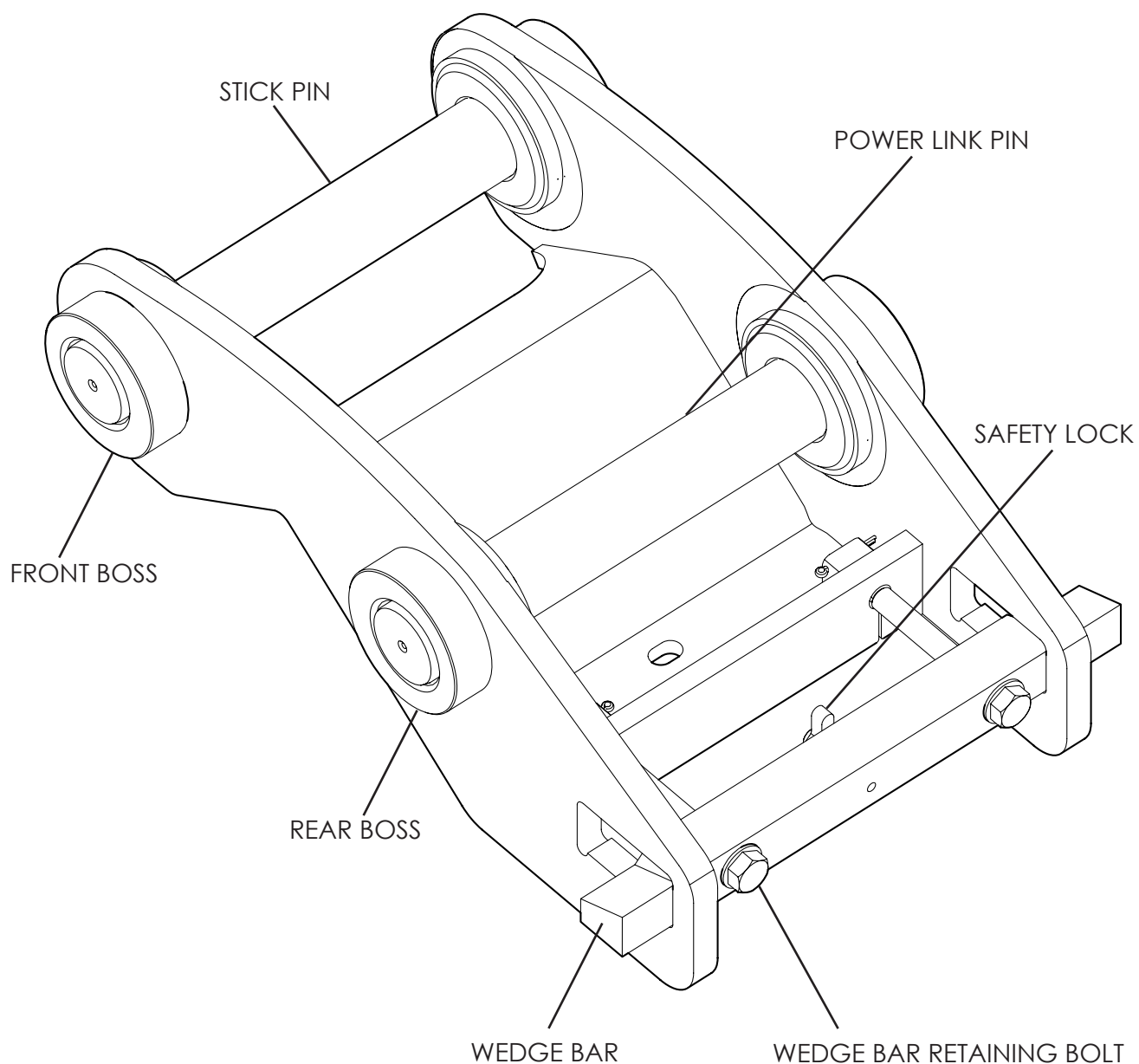


# MANUAL QUICK COUPLER

PARTS, SERVICE AND INSTALLATION MANUAL  
GENERAL INFORMATION  
TERMINOLOGY



## Quick Coupler Terminology



## MANUAL QUICK COUPLER

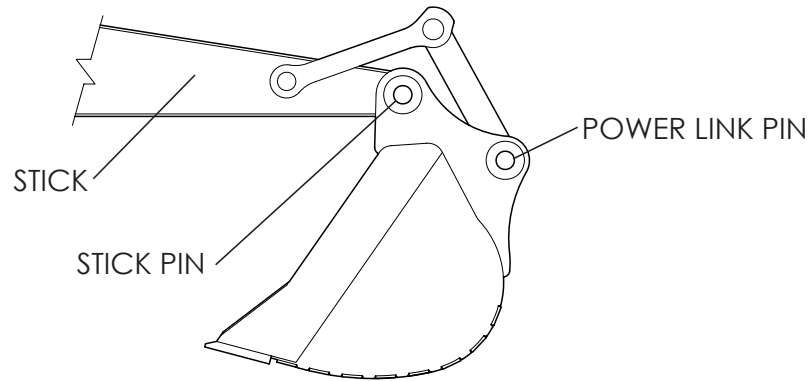
### PARTS, SERVICE AND INSTALLATION MANUAL INSTALLATION COUPLER INSTALLATION



## Installation

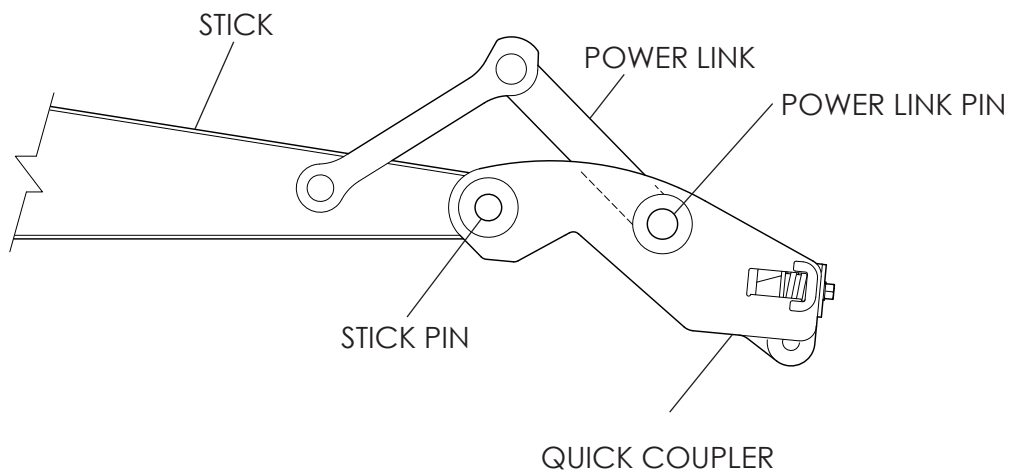
Move the machine to a flat area, where all sides of the machine can be accessed.

Remove all attachments from machine stick.



The quick coupler uses WBM pins or OEM pins.

Install the stick pin first, then the power link pin.



# MANUAL QUICK COUPLER

PARTS, SERVICE AND INSTALLATION MANUAL  
OPERATION  
OPERATIONAL SAFETY



## **WARNING**

### Operation

- Conduct a workplace hazard assessment before using the coupler.
- Couple and uncouple attachments away from all personnel. Be careful of the attachment dropping
- If a quick coupler is not working correctly: remove it, inspect it and have it repaired.
- Each quick coupler is designed to fit one type of lugs. Do not attach to different or unidentified lugs.
- Do not use a quick coupler as a lifting device.

Incorrect operation may result in property damage, serious injury or death.

## MANUAL QUICK COUPLER

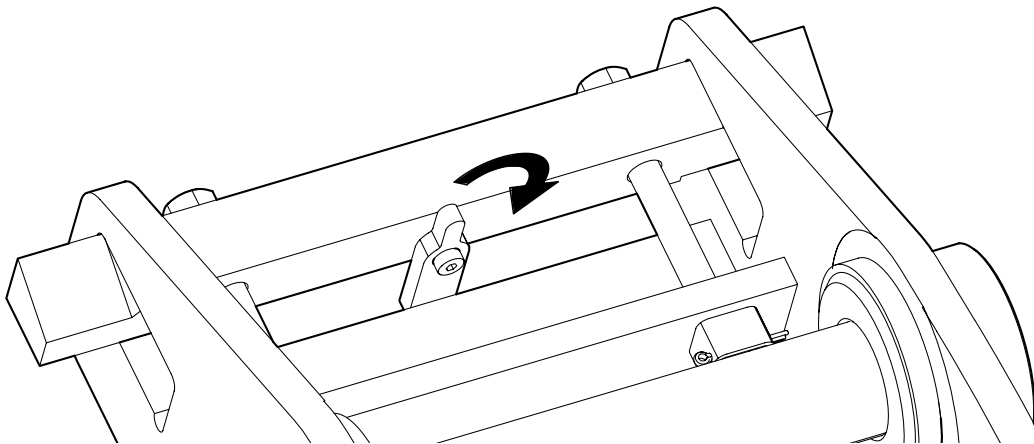
### PARTS, SERVICE AND INSTALLATION MANUAL OPERATION COUPLING THE ATTACHMENT



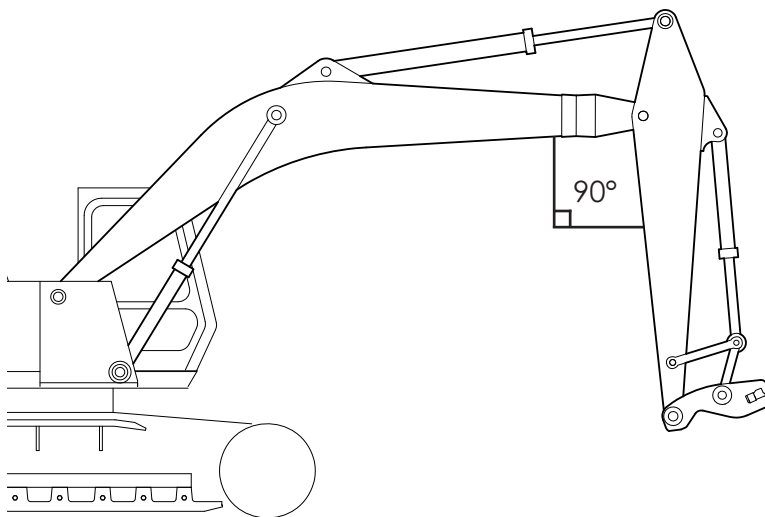
## Operation

### Coupling the Attachment

1. Put the attachment in a safe position: at ground level, stable, away from personnel and objects, etc.
2. Turn the safety lock, so the wedge bar will not move.



3. Make sure all personnel are away from the operating area of the machine.
4. Put the stick and boom in an approximate 90° configuration. Align the coupler with the attachment.



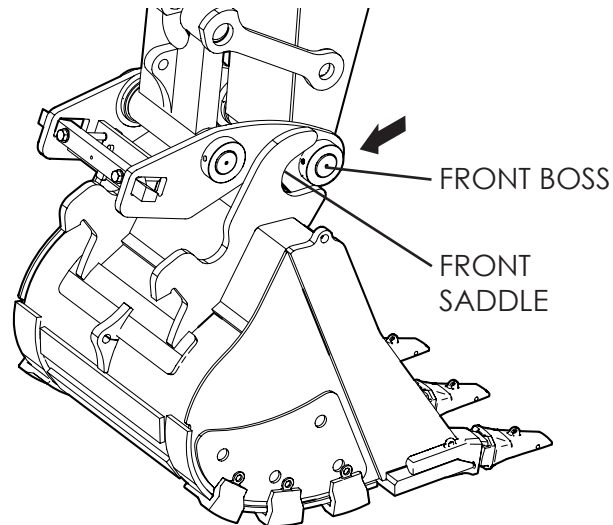


## MANUAL QUICK COUPLER

### PARTS, SERVICE AND INSTALLATION MANUAL OPERATION COUPLING THE ATTACHMENT

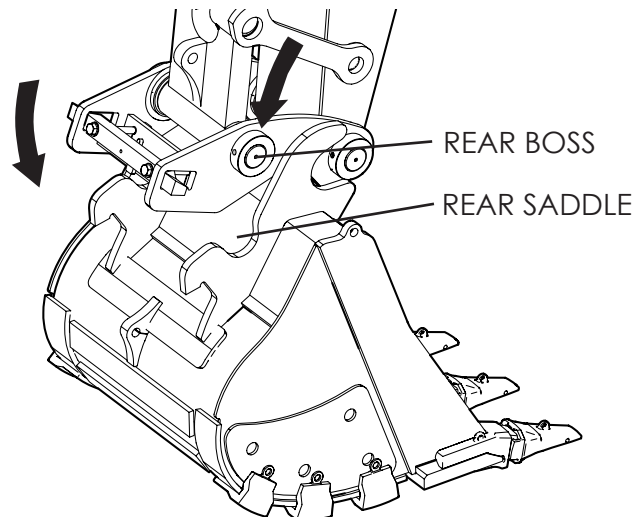


5. Move the coupler's front bosses into the attachment's front saddles.



6. Extend the bucket cylinder to move the coupler's rear bosses into the attachment's rear saddles.

The rear bosses must be firmly against the rear saddles, or the wedge bar will be too high to engage the lugs.

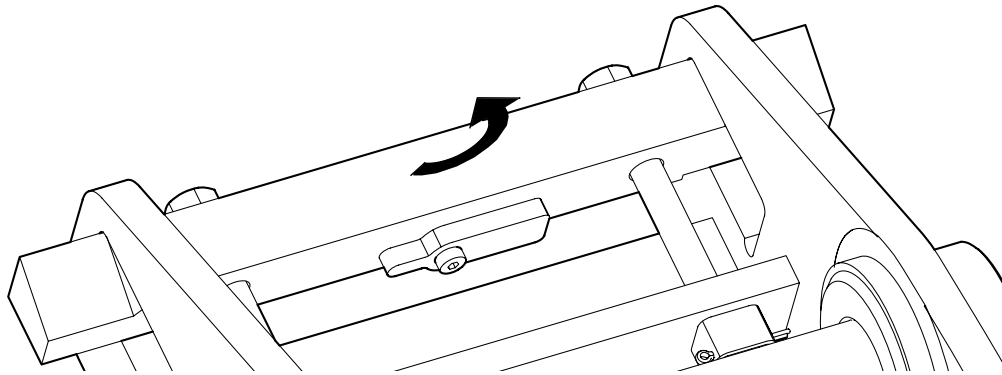


## MANUAL QUICK COUPLER

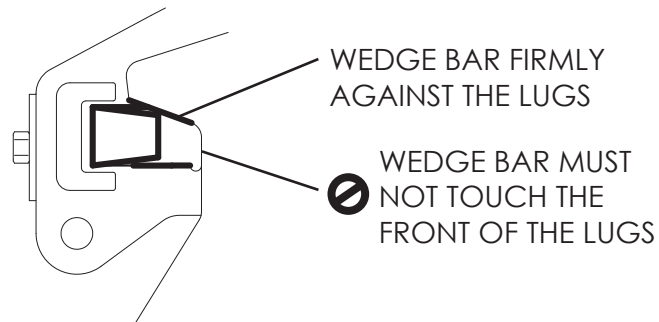
### PARTS, SERVICE AND INSTALLATION MANUAL OPERATION COUPLING THE ATTACHMENT



7. Before leaving the cab, or letting personnel go near the machine, lock the excavator's hydraulic functions.
8. Make sure the operator's seat is empty before going near the quick coupler.
9. Turn the safety lock to engage the wedge bar.



10. Fully engage the wedge bar. The wedge bar must be firmly against the lugs (but not touching the front of the lugs, see maintenance section).



## MANUAL QUICK COUPLER

### PARTS, SERVICE AND INSTALLATION MANUAL OPERATION COUPLING THE ATTACHMENT



11. Do a secure engagement test:

- a. Position the attachment on the ground.
- b. Apply down pressure by lifting the tracks.
- c. Cycle the bucket cylinder and try to force the coupler from the bucket.



If the coupler needs adjustment: safely position the attachment on the ground and tighten the bolts.

#### **WARNING**

Do a secure engagement test each time an attachment is coupled.

Incorrect coupling may result in property damage, serious injury or death.

## MANUAL QUICK COUPLER

### PARTS, SERVICE AND INSTALLATION MANUAL OPERATION UNCOUPLING THE ATTACHMENT

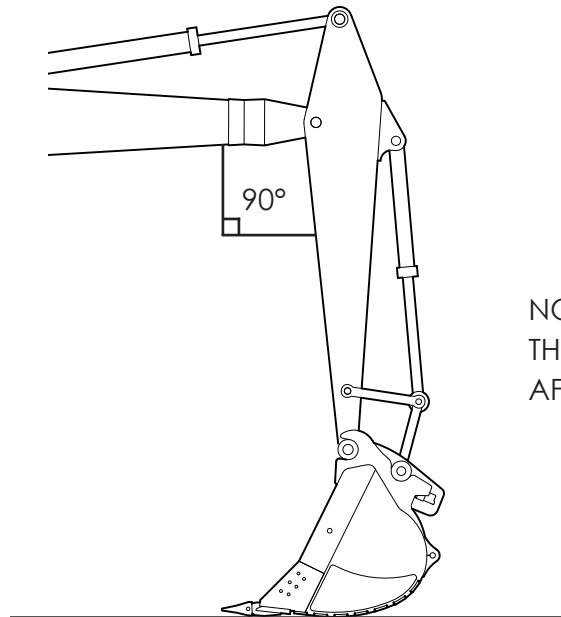


#### **WARNING**

Couple and uncouple attachments away from all personnel. Be careful of the attachment dropping. Failure to do so may result in property damage, serious injury or death.

#### **Uncoupling the Attachment**

1. Put the attachment in a safe position to be uncoupled (at ground level, stable, away from personnel and objects, etc.) The attachment could move after uncoupling.
2. Position the stick and boom in an approximate 90° configuration.



NOTE  
THE BUCKET MAY MOVE  
AFTER UNCOUPLING

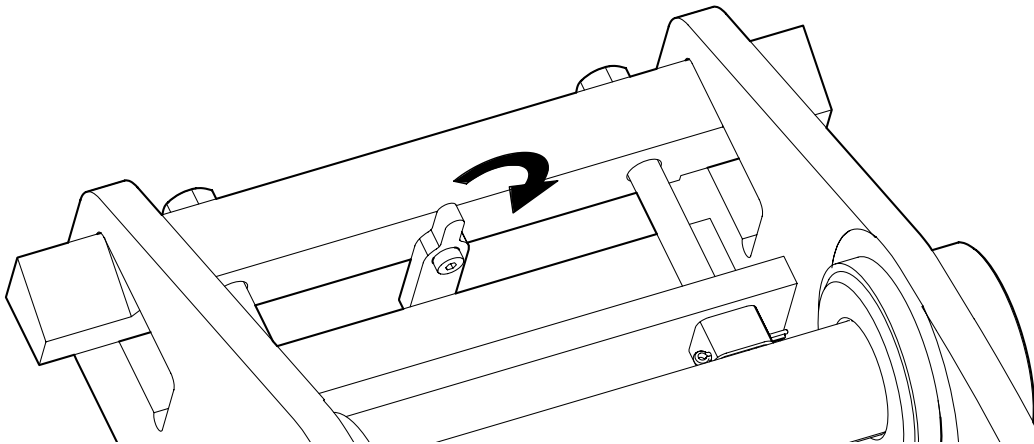
3. Before leaving the cab, or letting personnel go near the machine, lock the excavator's hydraulic functions.
4. Make sure the operator's seat is empty before going near the quick coupler.

## MANUAL QUICK COUPLER

### PARTS, SERVICE AND INSTALLATION MANUAL OPERATION UNCOUPLING THE ATTACHMENT



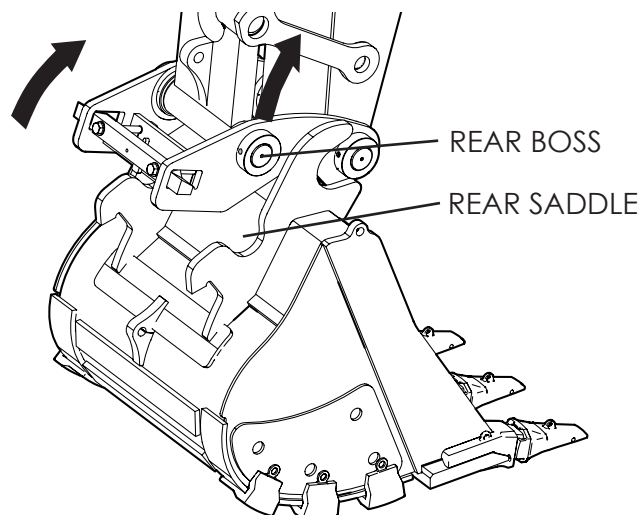
5. Loosen the bolts retaining the wedge bar. Do not remove them.
6. Move the wedge bar out of the lugging: if stuck, use a mallet or the excavator's hydraulic functions.
7. Turn the safety lock, so the wedge bar will not move.



#### **WARNING**

Make sure that all personnel are at the safe working distance from the machine and the attachment is safely positioned. The attachment may move when uncoupled. Failure to do so may result in property damage, serious injury or death.

8. Retract the machine's bucket cylinder and linkage to move the coupler's rear bosses out of the attachment's rear saddles.

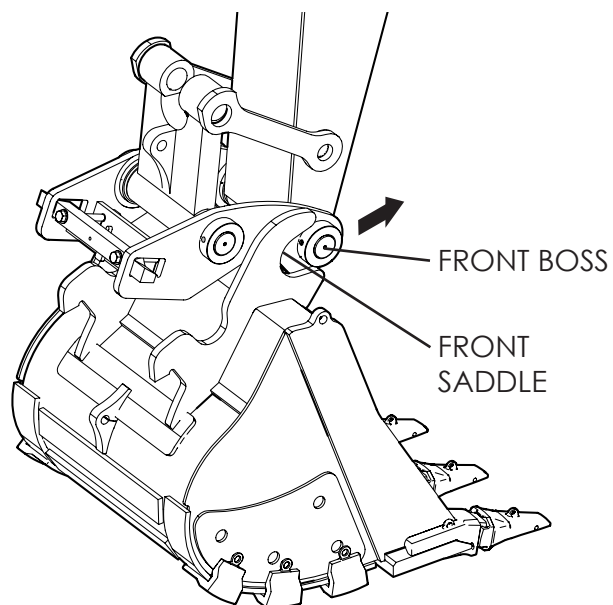


## MANUAL QUICK COUPLER

### PARTS, SERVICE AND INSTALLATION MANUAL OPERATION UNCOUPLING THE ATTACHMENT



9. Fully move the coupler's front bosses out of the attachment's front saddles.



## MANUAL QUICK COUPLER

PARTS, SERVICE AND INSTALLATION MANUAL  
MAINTENANCE  
BEFORE STARTING MAINTENANCE



### WARNING

#### Maintenance

- Do not use an attachment that is not working correctly.
- Have a qualified technician inspect and repair the attachment.
- The technician must read the manual before maintenance.
- This manual is not a replacement for training and experience.
- Do not modify any part of the attachment without WBM's approval.
- Avoid pinch points.
- Fully support all attachments and linkages before maintenance or inspection.
- Always wear personal protective equipment (PPE).
- Repair or replace any worn or missing components before operating the attachment.
- Keep all personnel and objects at a safe working distance.

Incorrect maintenance may result in property damage, serious injury or death.

## Maintenance

### Before Starting Maintenance

Only qualified personnel should complete maintenance and inspections.

Before starting maintenance or inspection:

1. Confirm the area is well ventilated.
2. Position and support the attachment.
3. Follow machine lockout procedures and ensure the machine will not accidentally start up.
4. Block the wheels.
5. Wear proper protective equipment.
6. Disengage the coupler from the attachment.
7. Position the coupler for easier inspection.
8. Clean the coupler. Always use the correct cleaning agents and never use flammable solvents.

## MANUAL QUICK COUPLER

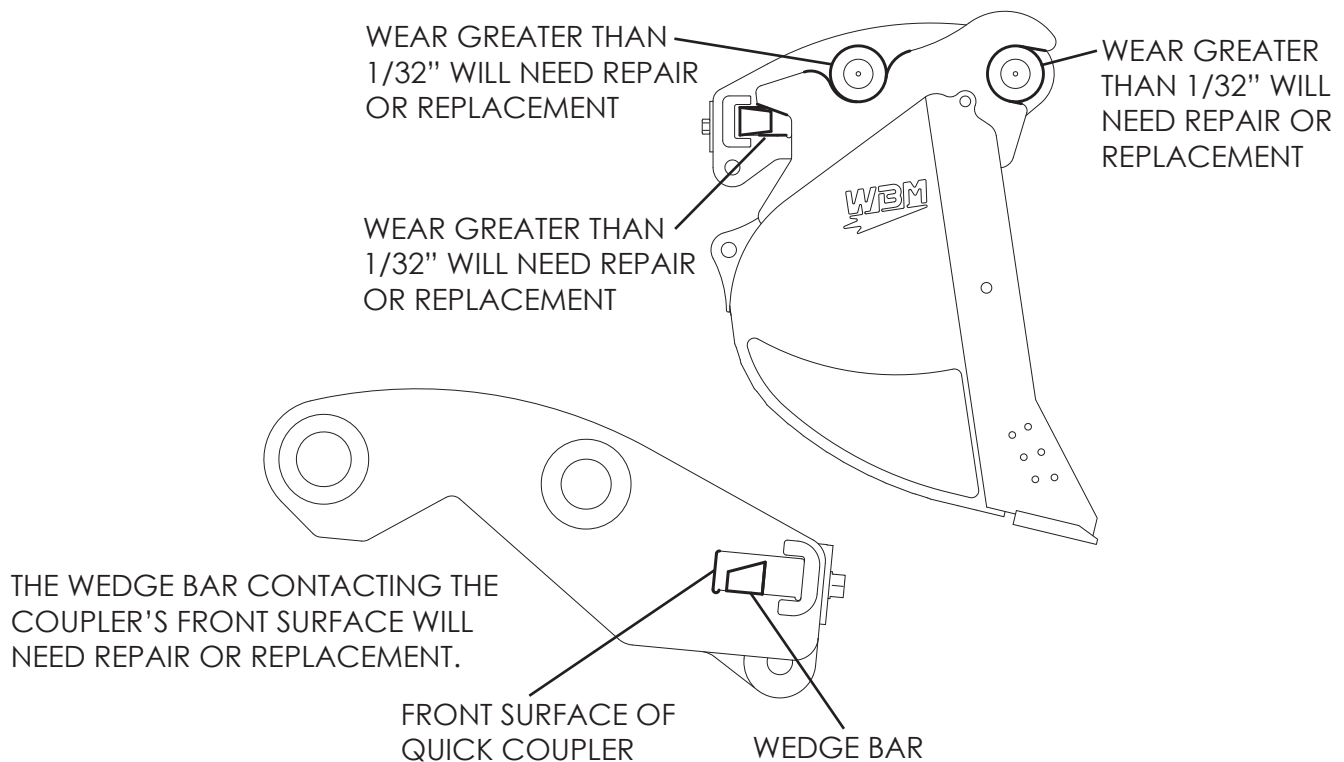
PARTS, SERVICE AND INSTALLATION MANUAL  
MAINTENANCE  
DAILY AND YEARLY INSPECTIONS



### Daily Inspections

Inspect daily for:

- Cracks or damage in components. Before repairing any welds, or cracking, contact WBM for recommended welding procedures.
- Component wear. Signs of wear include: scratches deeper than 1/32 inch (0.8mm); clearances of more than 1/32 inch (0.8 mm) between contacting surfaces; or, the wedge bar touching the front of the attachment lugs. Contact WBM for the recommended repair procedure.
- Bolt tightness. Replace bolts showing wear or damage. Replace wedge bar retaining bolts with grade 8 or stronger bolts.
- Inspect using NDT (non-destructive testing) methods after each incident of overloading.



### Yearly Inspection

Perform a complete inspection of the coupler using NDT (non-destructive testing).

#### **WARNING**

A worn or damaged coupler may fail. Any wear, cracks or component damage must be repaired before operation of the attachment. Operating a damaged attachment may result in property damage, serious injury or death.