

### Check the following:

1. Rotation stop
2. Pin Locking
3. Bushing



## REPLACING THE BUSHINGS AND PINS:

### Remove worn bushings

To remove worn bushings you will need a screwdriver with a sharp blade and a hammer or mallet. In the bushing there is a seam. Insert the screwdriver in the seam, bending the edge until the bushing can be removed.



### Inserting new bushings

The best way of inserting the new bushing is to use the pin. First, ensure the bushing is inserted squarely to the pivot point.



▲ **Step 1.** Thread the bushing on to the pin.

▲ **Step 2.** Insert the pin and tap it with a hammer.

### Replace damaged pins

Replace pins which are damaged or do not have a smooth surface. Even a small mark will lead to excessive wear.



# MAINTENANCE OF THE LOADER BUSHINGS AND PINS



### Maintenance Kits

We offer bushing and pin kits specifically designed for your front loader.

**Contact your AGCO dealer for more information.**



## MAINTENANCE OF THE LOADER. BUSHINGS AND PINS

It is important to keep the many moving joints on your front loader in good condition. A worn joint can be noisy, and can cause expensive damage to pins and other parts of the loader if a failure occurs.

For optimum performance of your front loader, we recommend replacing the bushings after 3000 hours of normal loader work. In between replacements, regularly do a simple inspection of pins and bushings.

The instructions below describe how easy it is to replace the bushings and pins in 3 hours.

### Step 1

60  
min

#### FRONT PART

Start with the front loader mounted on the tractor. Lower the tool carrier so that it rests on pallets or something of similar height. Relieve the pressure from the front loader and disconnect the hydraulics from the tractor (Consult your Operator's Manual).

Remove the pins so that the tool carrier and the links attached to the cylinders are loose. Now it is possible to replace all the bushings in Step 1.

Assemble and move on to Step 2.



**IMPORTANT!** Although hydraulics are depressurized, the cylinders may extend slightly causing pinching. Also, you may need to adjust the length of the cylinder to get the holes aligned. This is easily accomplished by using a crowbar.

### Step 2

#### TRIANGULAR LINK

Let the tool carrier continue to rest on the pallets with hydraulics disengaged, in order to safely operate under the loader arm.

Add a block of wood under the cylinder, then, one at a time, remove the pins that attach the two triangular links.



Be careful not to drop the triangle links on the ground. Replace the bushings. Assemble and move on to Step 3.

### Step 3

#### LIFT CYLINDER AND BEARING BOX

Reconnect the hydraulics on the loader to the tractor, attach an implement (preferably a bucket) on the tool carrier and disconnect the front loader from the tractor (Consult your Operator's Manual).

Remove the bearing box and the cylinder from one side, then the other. Attach the straps over the rear arm (not parallel link), one to the front of the cylinder and one to the back.

Remove the pins one at a time. Carefully lower the cylinder to avoid damaging the hydraulic hoses.

The cylinder is then suspended and the bushings are easily accessible for replacement.



40  
min

Reassemble the front pin, but allow the rear part to continue to hang in the strap. Remove the top pin on the bearing box (parallel link) so that the bearing box is hanging on the middle pin. Angle the bearing box so that it is possible to replace the bushings in the top hole, and then immediately reinstall the pin.



Place a piece of wood (or rubber pin locking) between the parallel link and the arm before knocking out the middle pin. Pivot the bearing box backwards and reinsert the pin in the hole in the bearing box so that the pin acts as a wedge. Replace the bushings and refit the middle pin.



The cylinder pin can be difficult to reinstall if the cylinder has expanded due to pressure. This job may require two people; one to use a crowbar or small bar to compress the cylinder which will tilt the bearing box in place, and the other to reinsert the pin.

Place the crowbar between the front arm and tilt cylinder and the pin that attaches the cylinder and triangular link together. Lever until the tilt cylinder is compressed and the pin on the bearing box can be reinserted.