

## **Assembly Instructions**



# **Boxed row unit**

**Part number: ACX3382740PP / ACX3382750PP**



**CALIFORNIA  
Proposition 65 Warning**

**WARNING: Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, or other reproductive harm.**

**WARNING: Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. Wash hands after handling.**

## 1.1 Safety icons

### 1.1.1 Safety icons

The safety warnings shown in this manual use these icons:



**DANGER: Danger**

**This is an immediately dangerous situation which, if you ignore it, will cause death or injury.**



**WARNING: Warning**

**This is an immediately dangerous situation which, if you ignore it, can cause death or injury.**



**CAUTION: Caution**

**This is an immediately dangerous situation which, if you ignore it, can cause injury.**

**IMPORTANT:**

*This is an immediately dangerous situation which, if you ignore it, can cause damage to the machine or adjacent area.*

**NOTE:**

*Specified data for procedures or components.*

## 1.2 Safety instructions

### 1.2.1 Safety instructions



Make sure that you have the Operator's Manual for the machine you are to install the kit to. Read and obey all safety instructions in the Operator's Manual of the machine before you continue with these instructions.

If you do not obey the instructions, there is a risk of injury.

In most conditions you can prevent injuries if you see dangerous situations before an injury occurs.

The person that installs this kit must be an approved technician and have the necessary tools.

Do not change the equipment. An adjustment not specified by the manufacturer can change the function of the machine and cause damage or personal injury.

Only use AGCO approved replacement parts.



**WARNING:**

**To prevent injury and machine damage, you must:**

- Use the Personal Protective Equipment (PPE) applicable to the task.
- Park the machine on a solid level surface.
- Disengage the PTO, if installed.
- Set the transmission to park and apply the parking brake.
- Set the control console to OFF.
- Stop the engine and remove the key.
- Look and listen! Wait for the parts that move to stop before you start the work.
- Put wheel chocks in front of and behind the wheels before you do work on or below the machine.
- Remove or release all sources of energy, for example:
  - Disconnect the battery.
  - Release of pressure from a system.
  - Lock the parts that move.
- Clean the oil, dirt, and crop material from the area on the machine where you do the work.

Good safety procedures prevent accidents to you and each person near you.

## 2.1 Bill of materials

### 2.1.1 Bill of materials for kits ACX3471710 / ACX3471720

#### ACX3471710

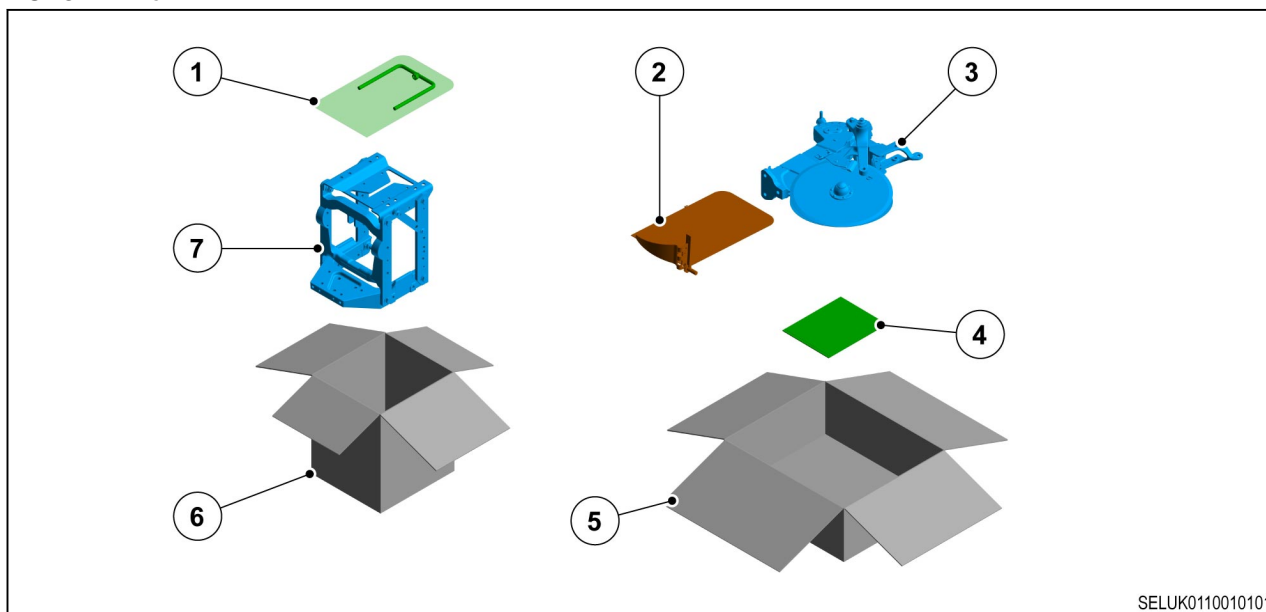
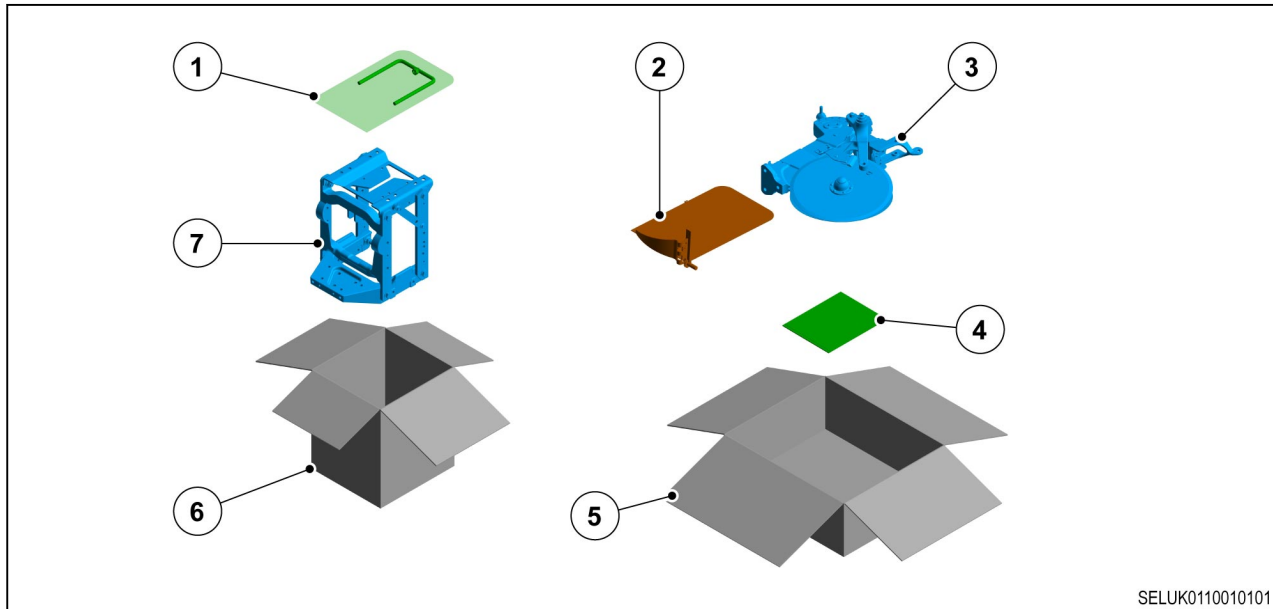


Fig. 1

| Number             | Part number | Description            | Quantity |
|--------------------|-------------|------------------------|----------|
| (1)                | ACW4352970  | Bag of components      | 1        |
| (2)                | ACX3471640  | Bag of components      | 1        |
| (3)                | ACX3471650  | ACX3471710 shank       | 1        |
| (4)                | 700710617   | Bag                    | 1        |
| (5)                | ACW4017460  | Box                    | 1        |
| (6)                | ACW4017450  | Box                    | 1        |
| (7)                | ACX3471670  | Parallel link assembly | 1        |
| (8) <sup>[1]</sup> | ACX3471730  | Instructions           | 1        |
| (9) <sup>[1]</sup> | 700724598   | Sheet                  | 2        |

[1] Components not identified in the illustration.

**ACX3471720**

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Fig. 2

| Number             | Part number | Description            | Quantity |
|--------------------|-------------|------------------------|----------|
| (1)                | ACW4352970  | Bag of components      | 1        |
| (2)                | ACX3471640  | Bag of components      | 1        |
| (3)                | ACX3471660  | ACX3471720 shank       | 1        |
| (4)                | 700710617   | Bag                    | 1        |
| (5)                | ACW4017460  | Box                    | 1        |
| (6)                | ACW4017450  | Box                    | 1        |
| (7)                | ACX3471670  | Parallel link assembly | 1        |
| (8) <sup>[1]</sup> | ACX3471730  | Instructions           | 1        |
| (9) <sup>[1]</sup> | 700724598   | Sheet                  | 2        |

[1] Components not identified in the illustration.

## 3.1 Installation instructions

### 3.1.1 Preparation of the boxed row unit



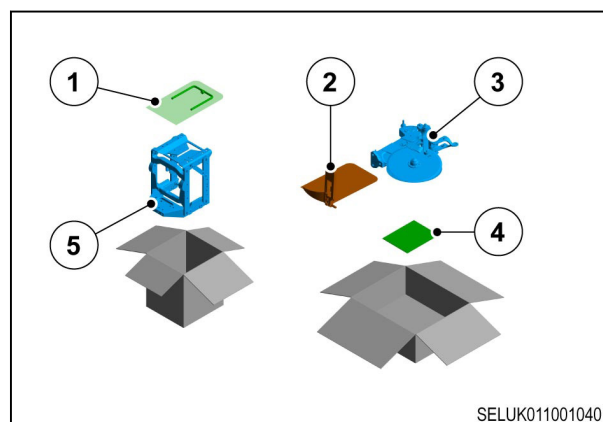
**WARNING: Heavy components.**

**Incorrect movement of heavy items can cause death or injury.**

**Use the applicable lift equipment and lift points to lift, or hold the machine and heavy items during procedures.**

#### Procedure

1. Remove the parts from the two boxes.



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Fig. 1

| Number | Part number | Quantity | Description            |
|--------|-------------|----------|------------------------|
| (1)    | ACW4352970  | 1        | Bag of components      |
| (2)    | ACX3471640  | 1        | Bag of components      |
| (3)    | ACX3471650  | 1        | ACX3471710 shank       |
| (4)    | 700710617   | 1        | Bag of instructions    |
| (5)    | ACX3471670  | 1        | Parallel link assembly |

ACX3471710

| Number | Part number | Quantity | Description            |
|--------|-------------|----------|------------------------|
| (1)    | ACW4352970  | 1        | Bag of components      |
| (2)    | ACX3471640  | 1        | Bag of components      |
| (3)    | ACX3471660  | 1        | ACX3471720 shank       |
| (4)    | 700710617   | 1        | Bag of instructions    |
| (5)    | ACX3471670  | 1        | Parallel link assembly |

ACX3471720

2. Turn the parallel link assembly (1) to the correct orientation.

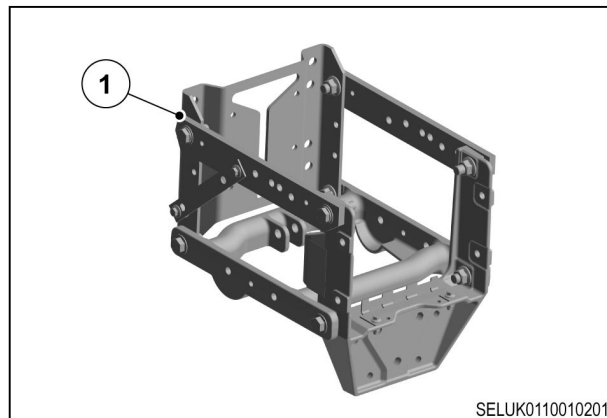


Fig. 2

3. Remove and discard the 2 fasteners and the strap (1).
4. Keep the bushing (2).

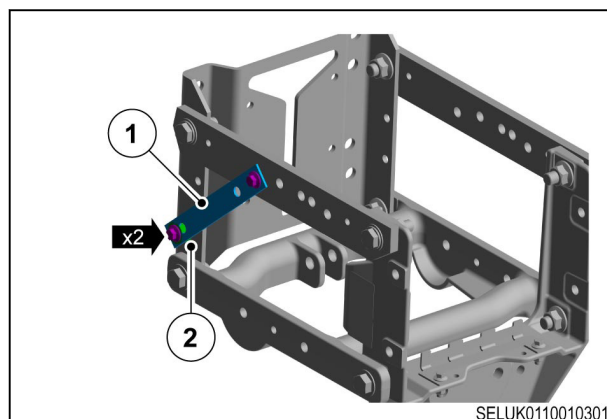


Fig. 3

### 3.1.2 Assemble the boxed row unit

#### Procedure

1. Install the parallel link assembly (3) to the toolbar with the 2 U bolts (1) and the 4 fasteners (2) and (4).

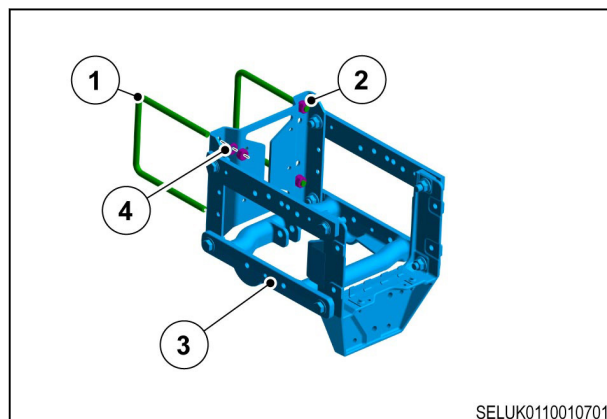


Fig. 4

| Number | Part number | Quantity | Description            |
|--------|-------------|----------|------------------------|
| (1)    | 700731615   | 2        | U bolt - M16           |
| (2)    | 339034X1    | 4        | Nut - M16              |
| (3)    | ACX3471670  | 1        | Parallel link assembly |
| (4)    | 339377X1    | 4        | Washer - M16           |

2. Install the shank (1) to the parallel link assembly with the 3 fasteners (2).
  - a) Tighten the 3 fasteners (2) to 312 Nm.

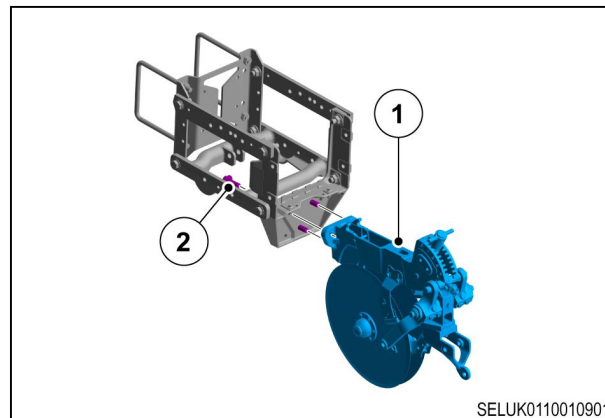


Fig. 5

| Number | Part number | Quantity | Description        |
|--------|-------------|----------|--------------------|
| (1)    | ACX3471650  | 1        | ACX3471710 shank   |
|        | ACX3471660  | 1        | ACX3471720 shank   |
| (2)    | 3009237X1   | 3        | Screw - M16 x 45mm |

3. Install the disc opener guard (1) to the parallel link assembly with the 2 fasteners (2).

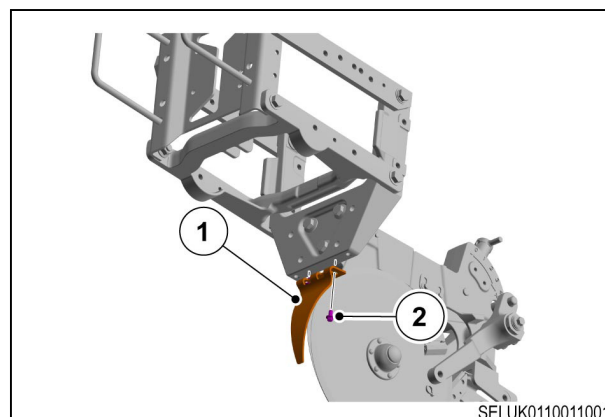


Fig. 6

| Number | Part number | Quantity | Description       |
|--------|-------------|----------|-------------------|
| (1)    | ACW3818200  | 1        | Disc opener guard |
| (2)    | 3009920X1   | 2        | Screw - M8 x 16mm |

4. Install the harness plate (2) with the fastener (1).

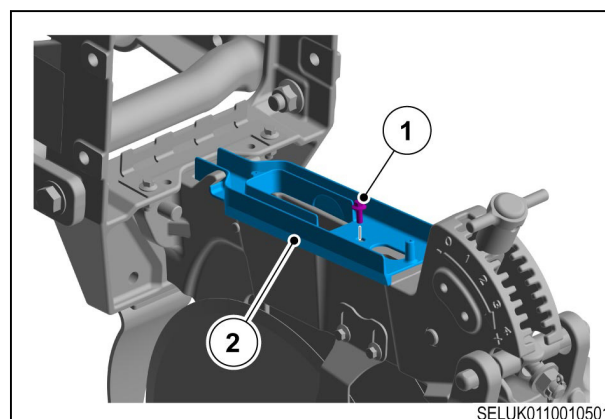


Fig. 7

| Number | Part number | Quantity | Description      |
|--------|-------------|----------|------------------|
| (1)    | 3012141x1   | 1        | Bolt - M4 x 19mm |
| (2)    | ACX302650   | 1        | Harness plate    |

5. Press the load pin harness wire into the bottom of the plate (1).
6. Install the cover (2) with the 2 fasteners (1).

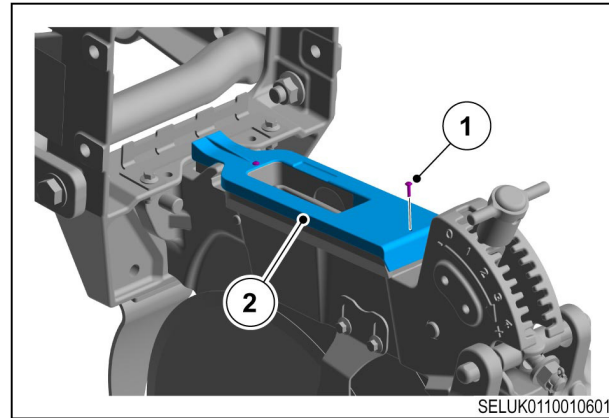


Fig. 8

| Number | Part number | Quantity | Description       |
|--------|-------------|----------|-------------------|
| (1)    | ACW1648010  | 2        | Screw - M3 x 19mm |
| (2)    | ACX3026510  | 1        | Cover             |

7. Install the load pin harness retainer to the row unit.
8. Rotate down until the latch engages into the slot in the shank.

**NOTE:**

*Seed tubes and speed tubes can be removed without removal of the cover.*

### 3.1.3 Adjust the disc openers

**Procedure****1. IMPORTANT:**

*If the opener disc is removed, keep the shims and bearing distance. Do not let the shims fall out.*

Align the marks (A) on the opener disc at the pinch point.

**2. NOTE:**

*To remove the fasteners from the left side disc openers turn them clockwise.  
To adjust move shims from the inside to the outside. Do not remove shims from the assembly.*

Adjust the shims to give a 44.5 mm (1.8 in) to 57 mm (2.2 in) of contact at the pinch point (B).

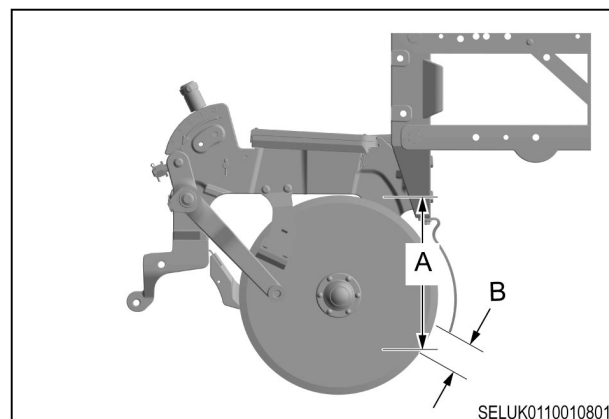


Fig. 9

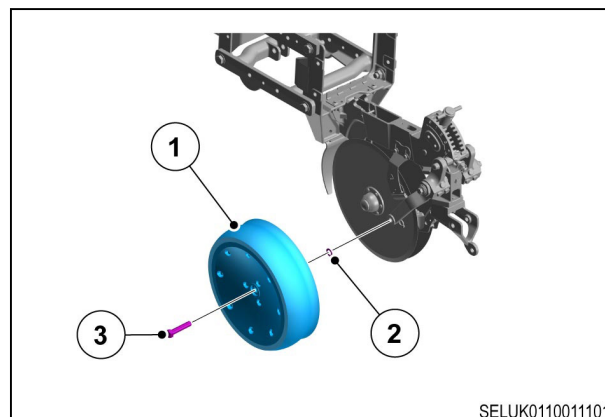
### 3.1.4 Attach the gauge wheels

#### Procedure

**1. NOTE:**

*Make sure the shim washer (2) is assembled between the gauge wheel and the shim.  
To install the screws for the left side disc openers turn them counterclockwise.*

Install the gauge wheels (1) with the screw (3) and the shims (2).



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Fig. 10

| Number | Part number | Quantity | Description         |
|--------|-------------|----------|---------------------|
| (1)    | 700727657   | 1        | Gauge wheel         |
| (2)    | 852080      | 1        | Shim                |
| (3)    | N858899     | 1        | Screw - M16 x 75 mm |

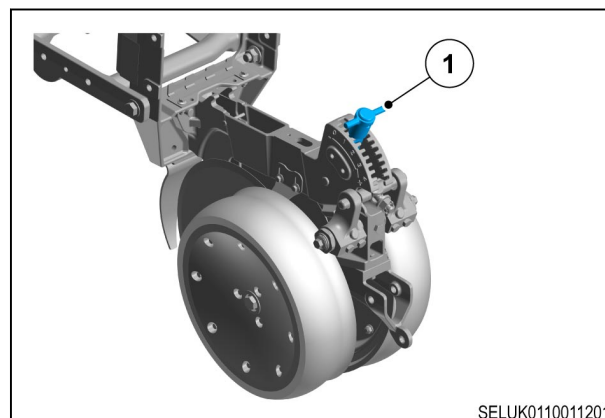
**2.** Do step 1 for the right of the machine with the fastener (3).

| Number | Part number | Quantity | Description         |
|--------|-------------|----------|---------------------|
| (1)    | 700727657   | 1        | Gauge wheel         |
| (2)    | 852080      | 1        | Shim                |
| (3)    | 700726425   | 1        | Screw - M16 x 75 mm |

### 3.1.5 Calibrate for proper depth adjustment

#### Procedure

**1.** Put the depth adjustment handle (1) in the 1.5 in position.



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Fig. 11

2. On a hard level surface put a 1.5 in spacer under the gauge wheels.

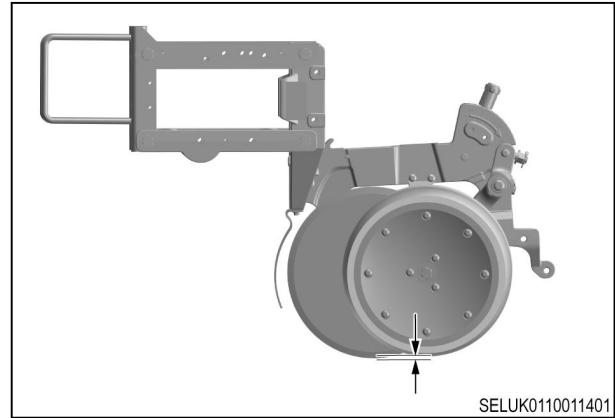


Fig. 12

3. Remove the pin and adjust the fastener to remove all the play in the system.

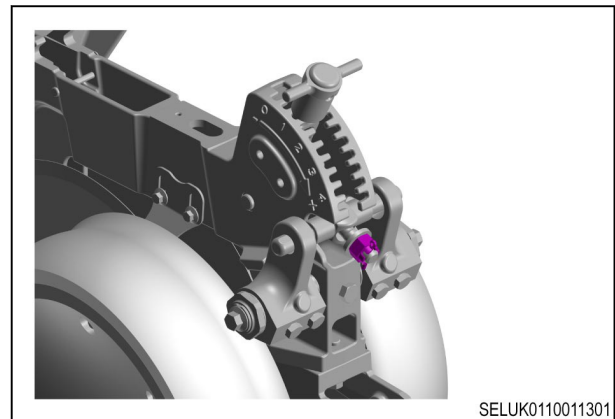


Fig. 13

4. Operate the machine in the field and examine the rows. Adjust the machine if it is necessary.

#### 3.1.6 Adjust the gauge wheel disc opener contact

##### Procedure

1. Loosen the bolt (1) on the end of the pivot shaft.

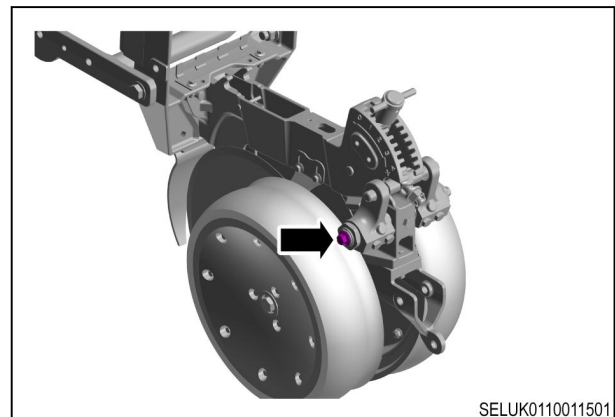


Fig. 14

2. Set the gauge wheel arm to the correct position.
  - a) Make sure that the distance from the gauge wheel to the disc opener is 1.6 mm (0.1 in) to be measured at the 2.0 in planting depth.
  - b) Minimum clearance of (A) is 3 mm (0.1 in).

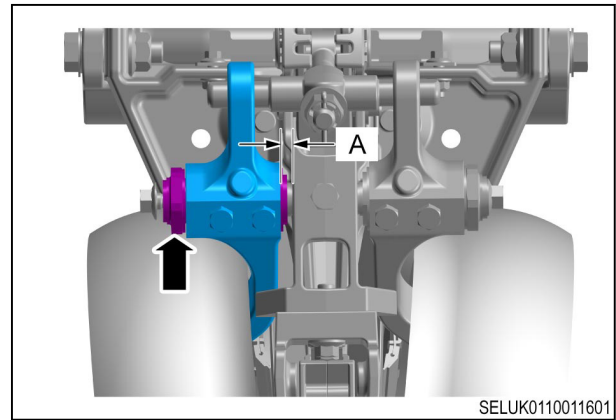


Fig. 15

