

**Assembly Instructions**



**Simplebale - Hydraulic tensioner kit 1840**  
**Kit number: ACX3745710**



**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, and 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, and other reproductive harm.

## How to use this manual

### Transport damage and missing parts

Examine the machine and parts carefully for possible damage that occurred during transport. Speak to the person that is responsible for transport immediately if you find damage.

Make an order for missing parts.

### General

If more assistance is necessary you should speak to your AGCO dealer.

This manual is only applicable to the models specified on the front cover.

### Fastener torques

Always replace fasteners with fasteners of the same specification. Tighten all fasteners to the correct torque values.

You can find the list of torque values in the service manual or the assembly instructions of the machine. If the torque value is different, it is specified in the procedure.



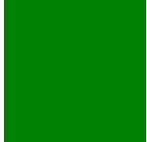

### Special tools

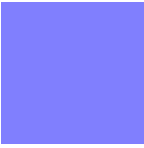

If it is necessary to use a special tool in a procedure, the tool identification is specified in the procedure.

### Illustrations

The illustrations do not always show the same machine specification or machine configuration. The procedure is the same unless the instruction tells you differently.

The illustrations in this manual use a color system to help you follow the instruction correctly.

Color	Description	Functions
	<b>Target/focus item</b> The primary component in the step is this color.	Primary component, decal location, component location
	<b>Connectors, fasteners</b> All components that attach the primary component to a different component are this color.	Fasteners, electrical connectors
	<b>Primary alternative</b> If there are 2 primary components in the illustration, 1 of the 2 components is this color.	Secondary component
	<b>Secondary alternative</b> If there are 3 primary components in the illustration, 1 of the 3 components is this color.	Tertiary component

Color	Description	Functions
	<b>Special tool</b> Where the special tools or equipment are in an illustration, they are this color.	Pressure gauges, specified tools
	<b>Parts that you move</b> A component that you must move, and that is not necessary to remove from the machine.	Electrical wires, hydraulic hoses

### Part number references

All parts that are supplied in the kit are referenced in the bill of materials.

Each part is added to a table in the installation steps, below is an example.

Number	Part number	Description	Quantity
(1)	X446235234000	Long key	5
(2)	X446234100000	Short key	2
(3)	653620031930	Shaft	1

- Number - As shown in the illustration
- Part number - Component part number
- Description - Component name
- Quantity - Number of components required for the step

## 1.1 Safety icons

The safety warnings show in the manual with these icons:



**DANGER:**

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



**WARNING:**

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



**CAUTION:**

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



Fig. 1

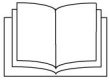
### Secondary information

2 types of secondary information are shown when necessary.

**IMPORTANT:** *This identifies special instructions or procedures which, if not followed can cause damage to the machine. It might also cause damage to the process, or the area around the machine.*

**NOTE:** *Information to help you do the procedure, or help you to understand.*

## 1.2 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.
  - Eye protection
  - Hand protection
  - Foot protection
  - Ear protection.
- 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.

### 1.3 Waste disposal

Incorrect disposal of waste can cause pollution to the environment. Some examples of dangerous waste materials include oil, fuel, coolant, battery chemicals and air-conditioning refrigerant.

- Only use an approved container to collect the waste material. Always seal the container after you drain the fluids.
- Do not drain or spill waste on the ground, down a water drainage system or into water sources.
- Air-conditioning refrigerant released into the air can cause damage to the environment. The local regulations recommend that only an approved technician removes and recycles the air-conditioning refrigerant.
- Obey pollution laws.
- Speak with the local authorities on the correct procedure to discard of the waste.

Recycling centres or approved dealers have the correct equipment for the disposal of used oil.

Do not discard material with this symbol in the general waste.

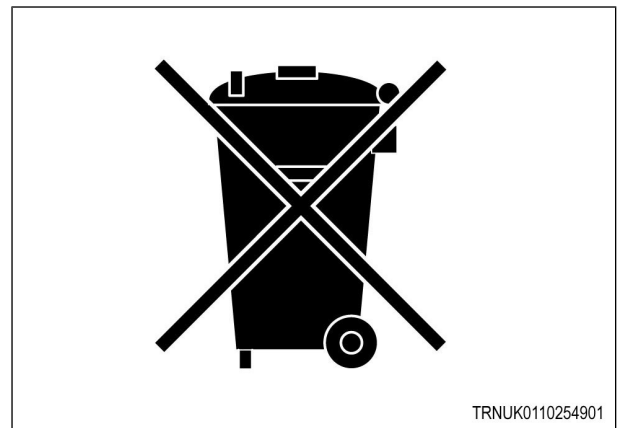


Fig. 2

Recycle used materials with this symbol.

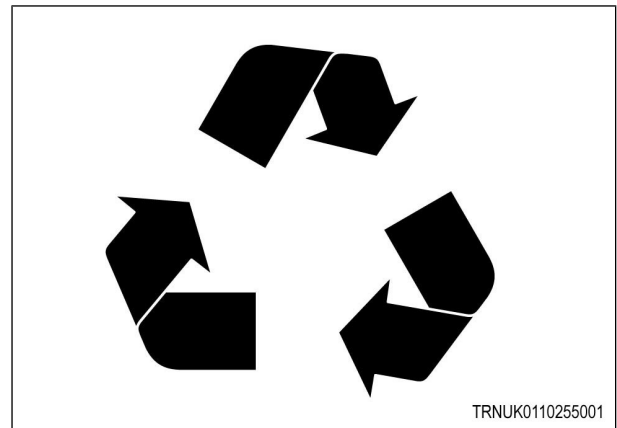


Fig. 3





## 2.1 Bill of materials

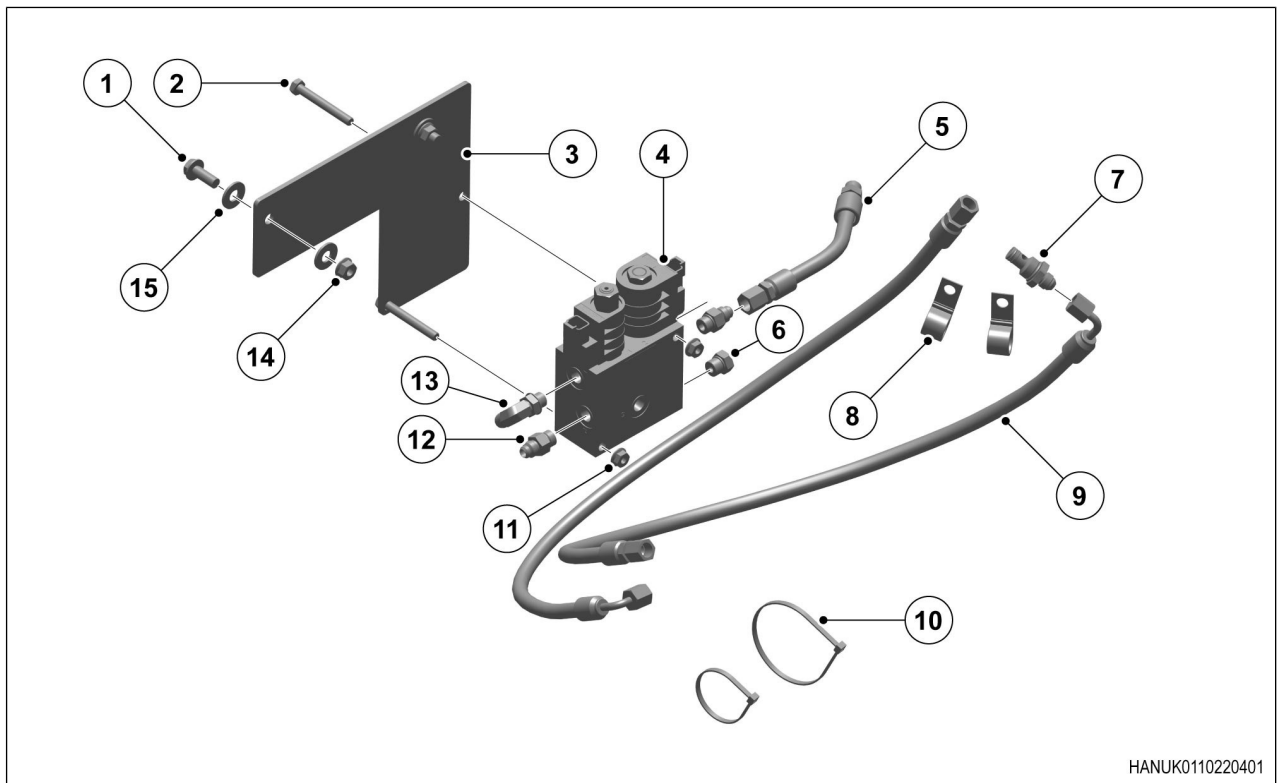


Fig. 1

Number	Part number	Description	Quantity
(1)	7883382	Hex bolt - 3/8	2
(2)	7703945	Hex bolt 5/16	2
(3)	ACX4661860	Bracket	1
(4)	ACX3744380	Valve	1
(5)	ACX4693320	Hose	1
(6)	7746456	Plug	1
(7)	ACX4308290	Union	1
(8)	70936778	Clamp	2
(9)	ACX4312990	Hose	2
(10)	7724347	Cable tie	2
(11)	704239	Nut - 5/16	2
(12)	846634	Union - 9/16-18	2
(13)	7746555	Elbow union	1
(14)	700711238	Nut - 3/8	2
(15)	700702916	Washer - 3/8	4



### 3.1 Assemble the valve



**CAUTION: Personal Protective Equipment is mandatory.**

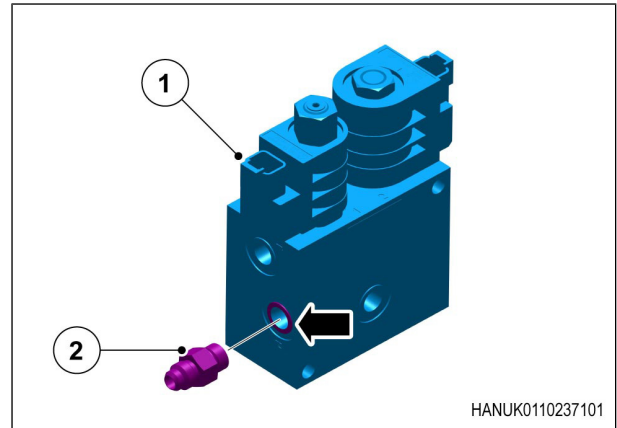
**This procedure can cause injury.**

**Put on Personal Protective Equipment when you do this procedure.**

**IMPORTANT:** *Tighten the fasteners to the approved torque.*

#### Procedure

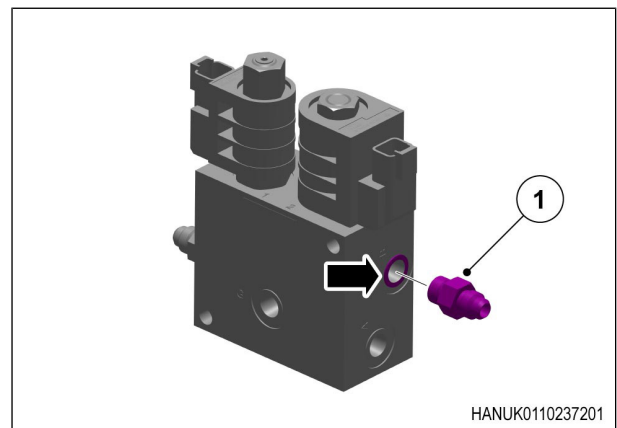
1. Install the union (2) to the port **P** on the valve assembly.



**Fig. 1**

Number	Part number	Description	Quantity
(1)	ACX3744380	Valve	1
(2)	846634	Union - 9/16-18	1

2. Install the union (1) to the port **B** on the valve assembly.



**Fig. 2**

Number	Part number	Description	Quantity
(1)	846634	Union - 9/16-18	1

3. Install the plug (1) to the port **A** on the valve assembly.

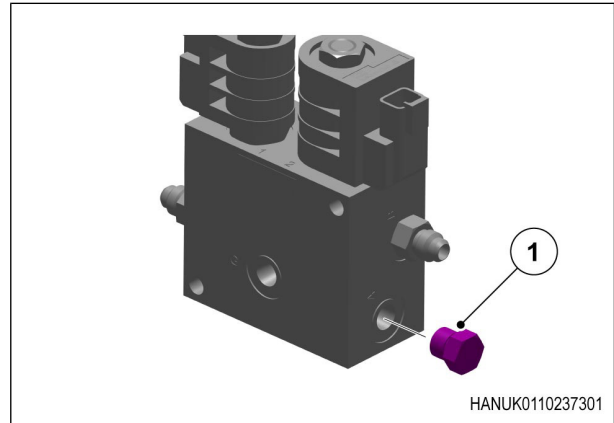


Fig. 3

Number	Part number	Description	Quantity
(1)	7746456	Plug	1

4. Install the elbow union (1) to the port **T** on the valve assembly.

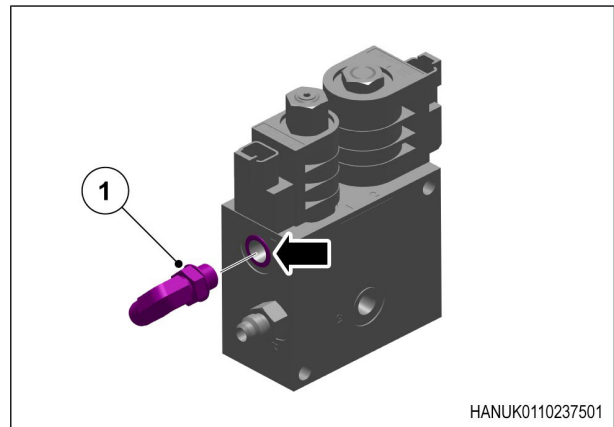


Fig. 4

Number	Part number	Description	Quantity
(1)	7746555	Elbow union	1

5. Install the bracket (1) to the valve with the 2 bolts (3) and 2 nuts (2).

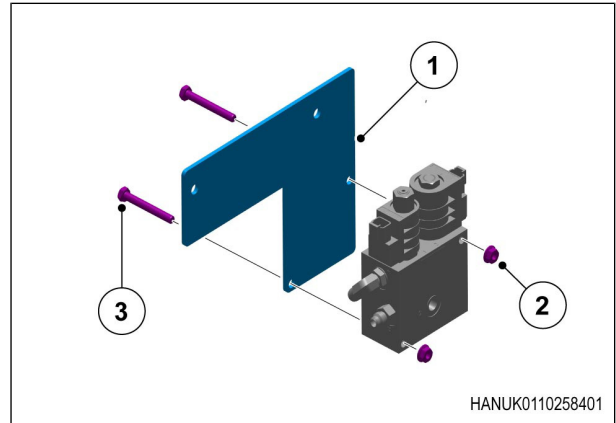


Fig. 5

Number	Part number	Description	Quantity
(1)	ACX4661860	Bracket	1
(2)	704239	Nut - 5/16	2
(3)	7703945	Hex bolt 5/16	2

6. Install the pressure transducer (2) to the port G.

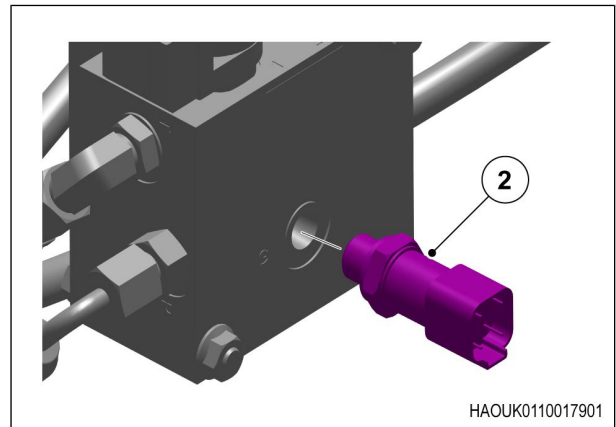


Fig. 6

Number	Part number	Description	Quantity
(2)	71420981	Pressure transducer	1

### 3.2 Install the hydraulic valve assembly



**WARNING:** The machine or parts can move without notification.

The parts that move can cause death or injury.

Before you do work on the machine:

If an implement is on the machine, lower the implement to the ground.

Stop the engine.

Remove the ignition key.

Disconnect the PTO shaft.



**CAUTION:** Personal Protective Equipment is mandatory.

This procedure can cause injury.

Put on Personal Protective Equipment when you do this procedure.

**IMPORTANT:** Tighten the fasteners to the approved torque.

**Procedure**

1. Install the hose (1) to the hose on the hydraulic cylinder.

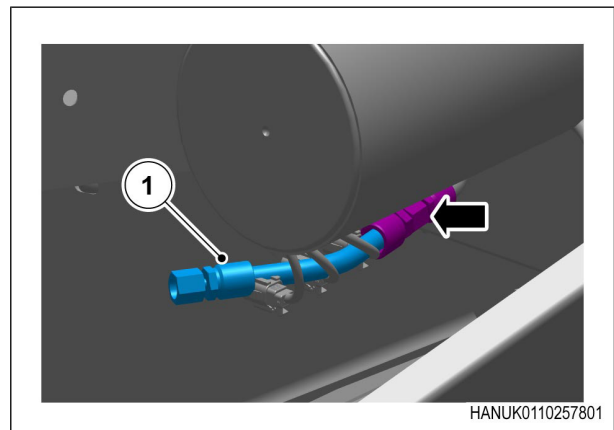


Fig. 7

Number	Part number	Description	Quantity
(1)	ACX4693320	Hose	1

2. Install the valve assembly to the baler with the 2 bolts (1), 4 washers (3) and 2 nuts (2).
3. Connect the hose (A) to the B port on the valve.

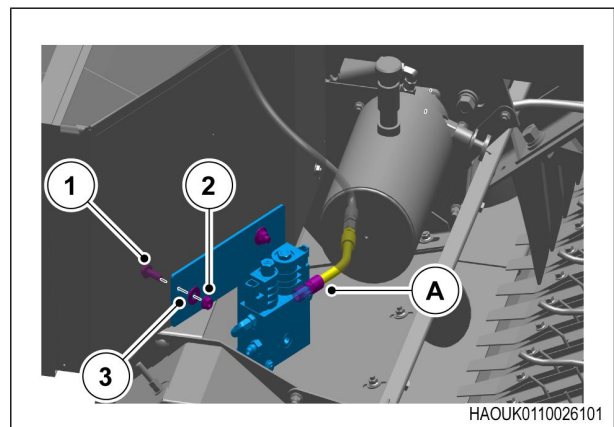


Fig. 8

Number	Part number	Description	Quantity
(1)	7883382	Hex bolt - 3/8	2
(2)	700711238	Nut - 3/8	2
(3)	700702916	Washer - 3/8	4

4. **NOTE:** The pressure gauge must be removed from baler. It is necessary, to reuse the 2 elbow unions (A) 791038 and (B) 8746547. Then connect the hose to the pump on the baler. Install the hose (1) and the 2 elbow unions (A) and (B).

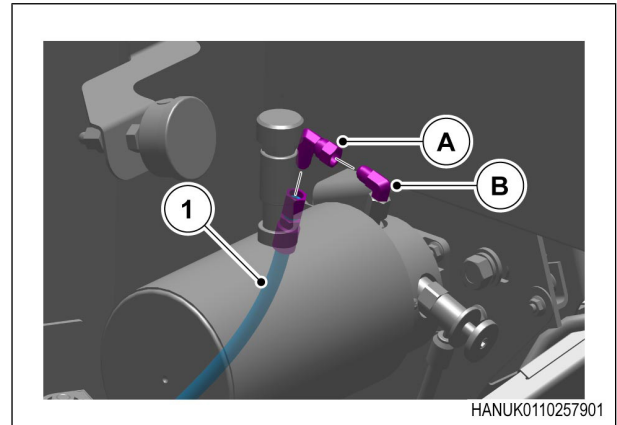


Fig. 9

Number	Part number	Description	Quantity
(A)	791038	37° JIC Male Union 90° Elbow	1
(B)	8746547	37° JIC Male to Female Swivel 90° Elbow	1

5. Connect the hose (C) to the P port on the valve.

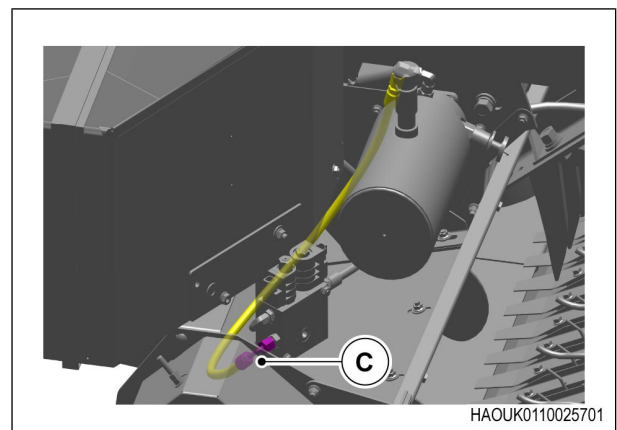


Fig. 10

Number	Part number	Description	Quantity
(1)	ACX4312990	Hose	1

6. Remove the valve from the hydraulic pump.

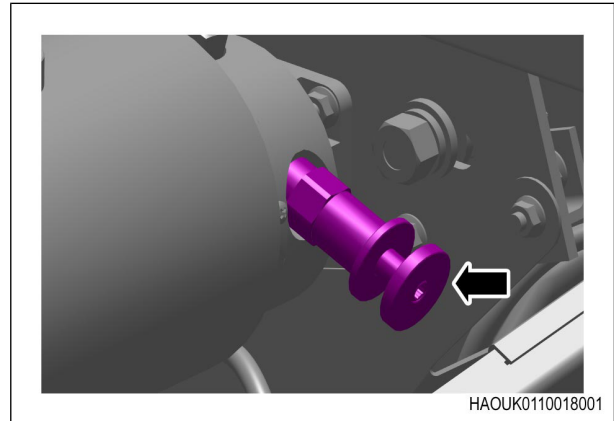


Fig. 11

7. Install the union (1) to the hydraulic pump.

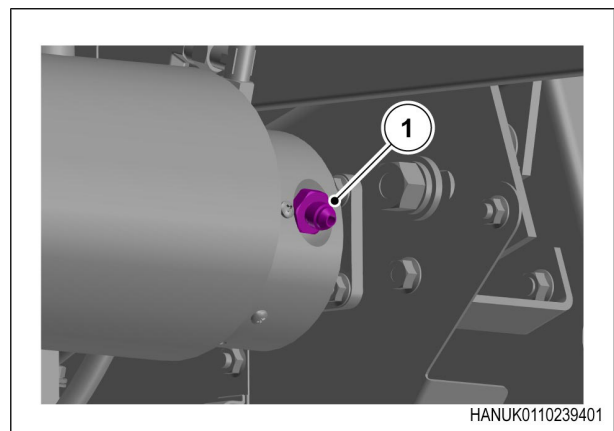


Fig. 12

Number	Part number	Description	Quantity
(1)	ACX4308290	Union	1

8. Install the hose (1) to the valve.

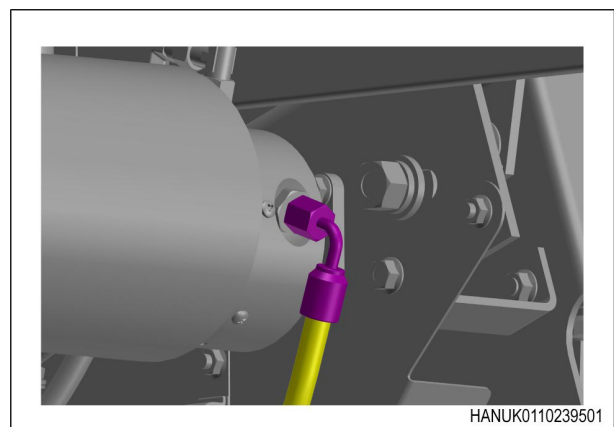


Fig. 13



9. Connect the hose (B) to the T port on the valve.

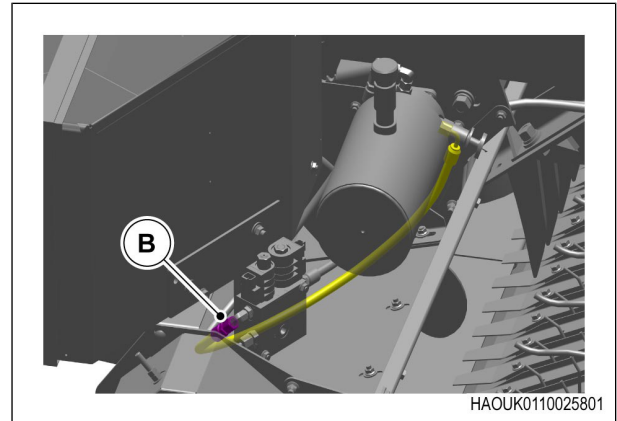


Fig. 14

Number	Part number	Description	Quantity
(1)	ACX4312990	Hose	1

10. Move the wiring harness into position and then install the 2 clamps (1) with the 2 fasteners.  
11. Move the 2 hoses into position and then install the 2 cable ties (2).

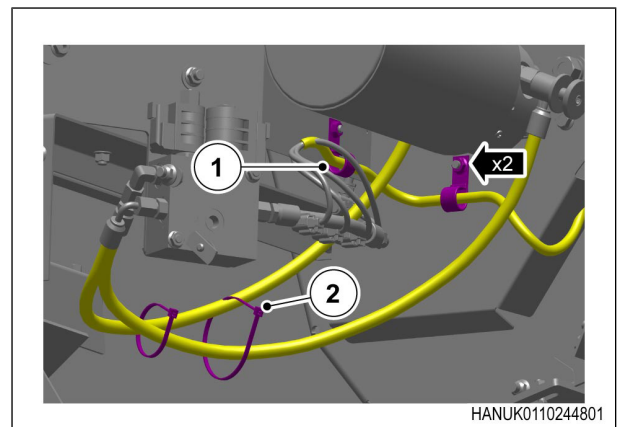


Fig. 15

Number	Part number	Description	Quantity
(1)	70936778	Clamp	2
(2)	7724347	Cable tie	2

12. Connect the electrical connector (1) to the density relief valve.  
13. Connect the electrical connector (2) to the chamber decompress valve.  
14. Connect the electrical connector (3) to the density pressure connector.

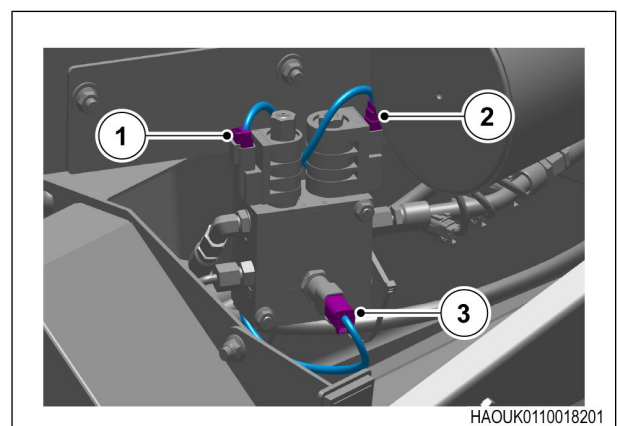


Fig. 16

### 3.3 Bleed the hydraulic system

#### Procedure

1. **NOTE:** Refer to the baler operator's manual for the correct oil type.  
Remove the plug on the top of the density relief valve.
2. Engage the PTO and then increase the speed of the PTO to the standard operation speed.
3. The oil and air will slowly be released out of the bleed port. Make sure that all the air is removed, then install the plug to the density relief valve with the baler still in operation.
4. Make sure that the machine operates correctly and is free from leaks.

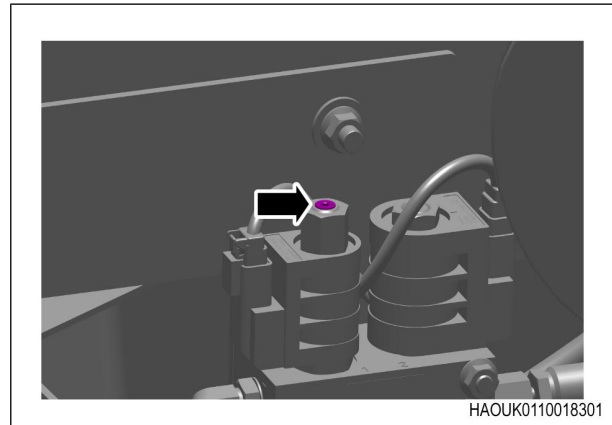


Fig. 17

#### After finishing the procedure

- Do a check of the hydraulic oil, fill if necessary.



