

Preparing lubrication

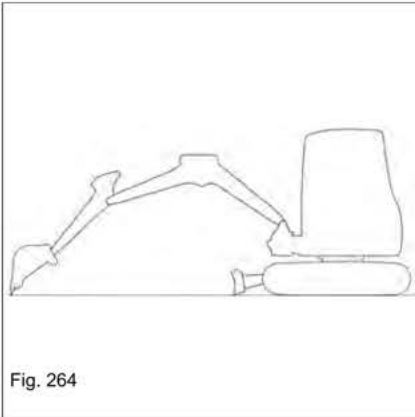


Fig. 264

1. Stop the vehicle on firm, level, and horizontal ground.
2. Position the boom straight ahead at the center of the vehicle.
3. Lower the boom and the stabilizer legs to the ground.
4. Stop the engine.
5. Operate the control lever repeatedly to release the pressure in the hydraulic system.
6. Raise the control lever base.
7. Remove the starting key and carry it with you.
8. Safely store all loose objects.
9. Close the windows and doors.
10. Close and lock all covers.
11. Attach a warning label to the control elements (for example **“Machine being serviced, do not start”**).

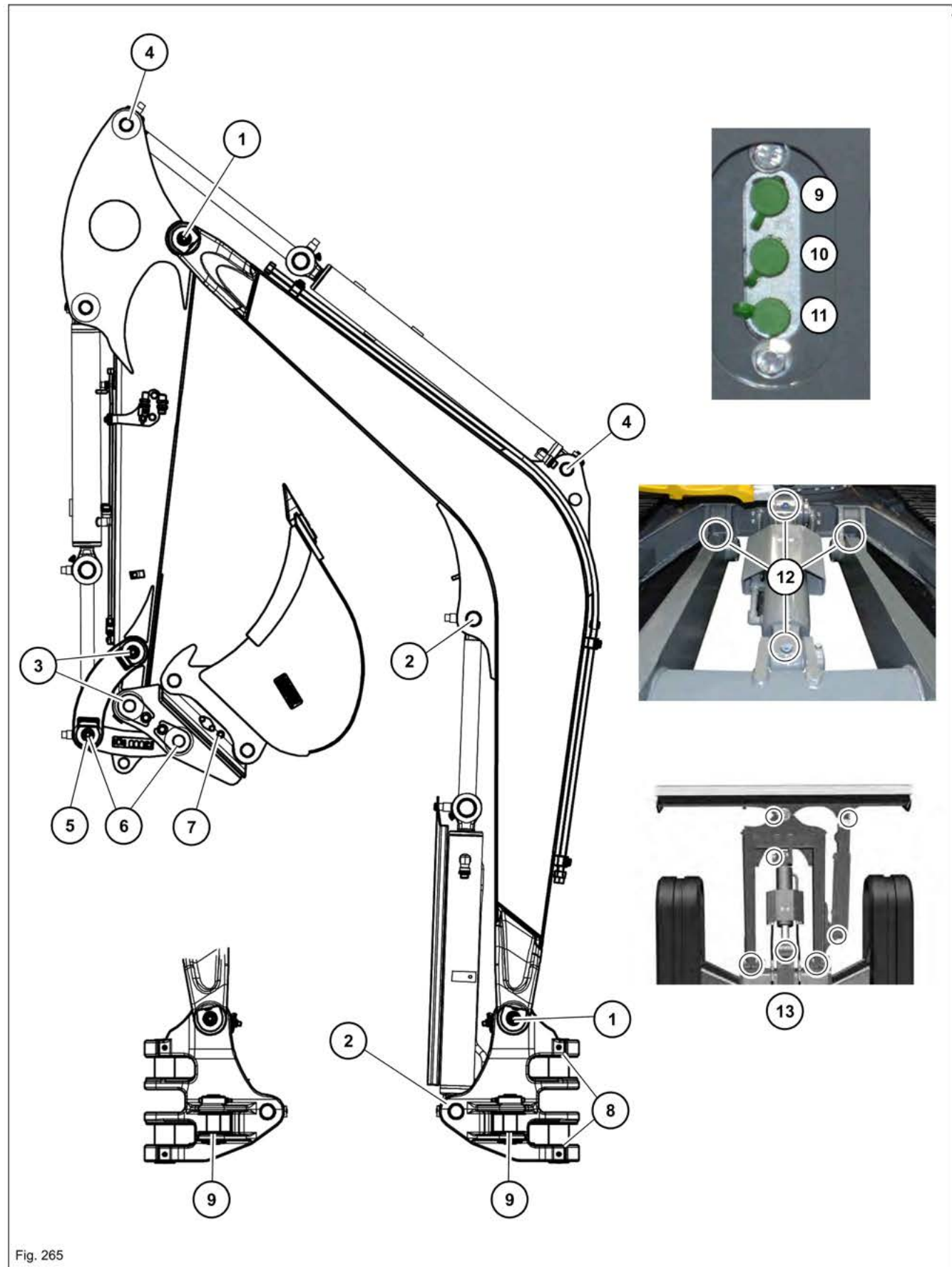
Wait at least 10 minutes after stopping the engine.



Information

Keep all lubrication points clean and remove any escaping grease.

Boom/dozer blade

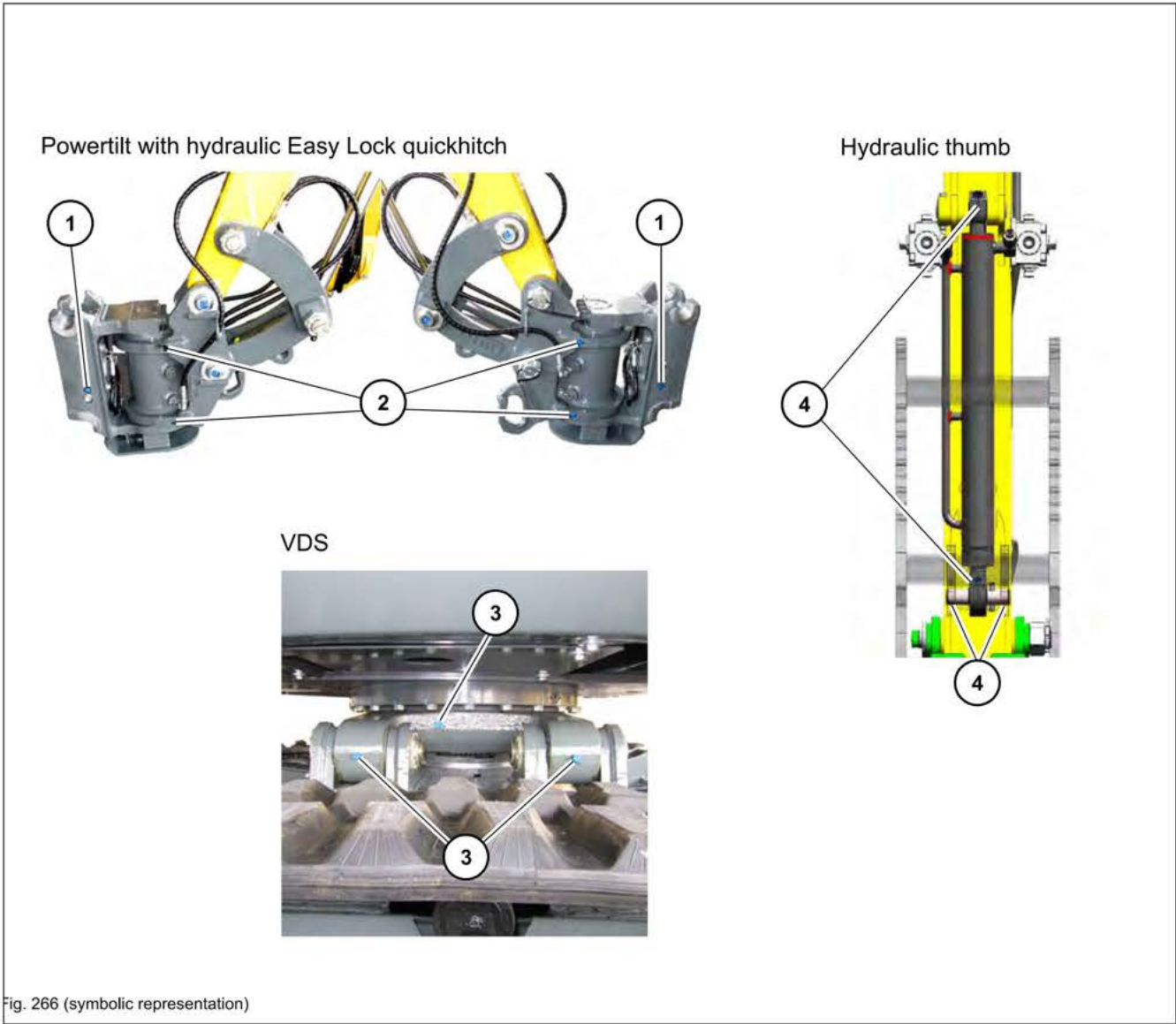




Position	Lubrication point ¹	Interval	Quantity
1	Boom	Daily	2
2	Boom cylinder	Daily	2
3	Shovel arm	Daily	2
4	Stick cylinder	Daily	2
5	Bucket cylinder	Daily	2
6	Joint rod	Daily	2
7	Easy Lock	Daily	2
8	Swiveling console	Daily	2
9	Swiveling cylinder	50 o/h	2
10	Teeth of live ring – <i>see chapter “Teeth of live ring” on page 7-15</i>	50 o/h	1
11	Live ring (ball bearing) – <i>see chapter “Live ring ball bearing” on page 7-14</i>	50 o/h	1
12	Stabilizer blade	Daily	4
13	Swiveling dozer blade	Daily	7

1. Lubrication on the pins or directly on the cylinders

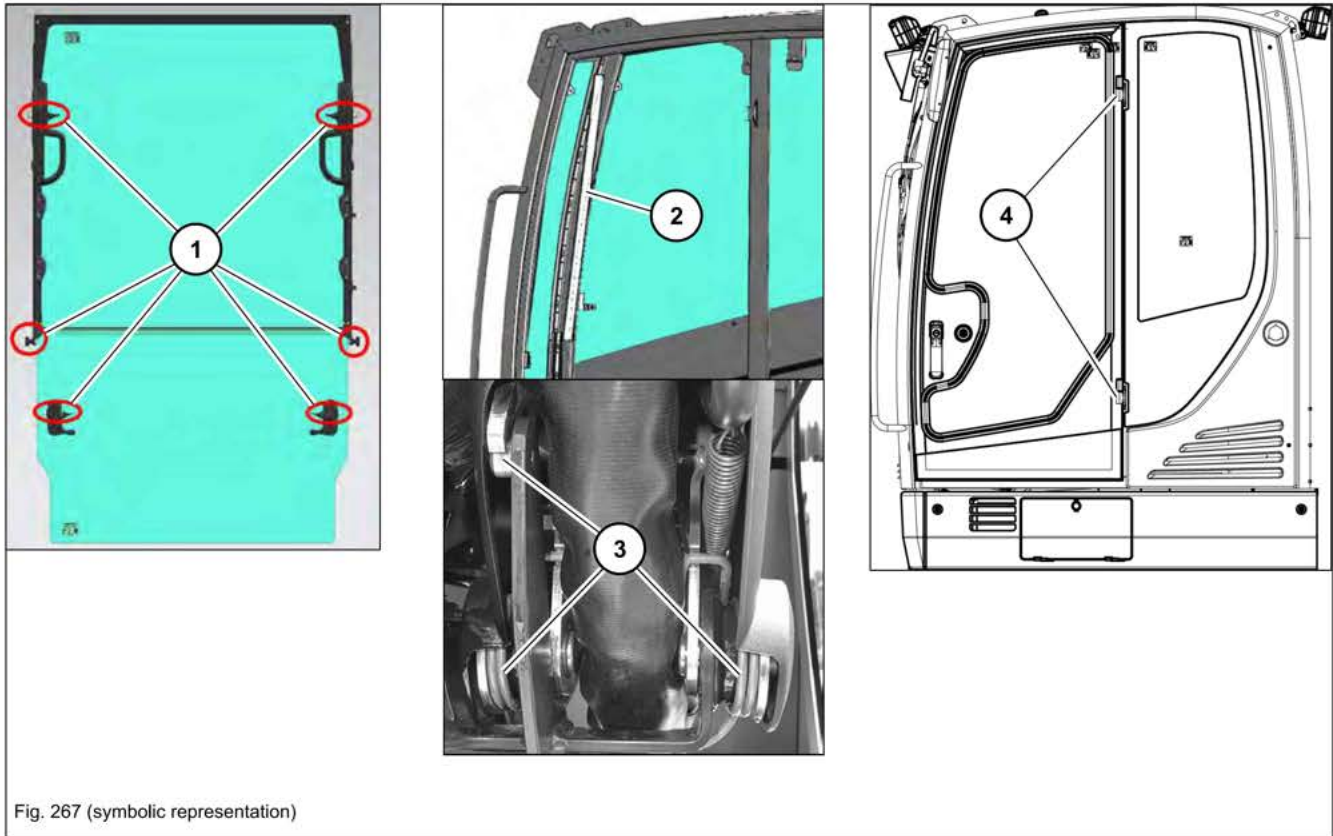
Powertilt, hydraulic thumb, VDS



Position	Lubrication point	Interval	Quantity
1	Easy Lock	Every week	2 ¹
	Easy Lock quickhitch	Every week	--
2	Powertilt	Daily	4 ¹
3	VDS	Every week	3
4	Hydraulic thumb	Daily	4

1. Apply grease to grease zerks twice daily after operation in water to remove all traces of water.

Cabin/attachment mounts



Position	Lubrication point	Interval	Quantity
1	Front window: pin, lock notches and locks	Every week	6
2	Windshield: guide rails	Every week	2
3	Control lever base – see chapter “Control lever base” on page 7-16	Every week	3
4	Door hinges	Every week	2

Live ring ball bearing



DANGER

Crushing hazard during lubrication!

Serious crushing hazard causing death or serious injury.

- No one must be in the danger zone during upper carriage rotation.

The lubrication points are located on the left side of the chassis.

1. Park the vehicle on firm, level, and horizontal ground.
2. Lower the boom and the stabilizer blade to the ground.
3. Stop the engine, remove the starting key and carry it with you.
4. Apply grease to lubrication point **A** with two strokes of the grease gun.

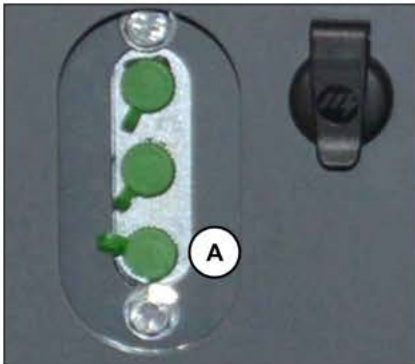


Fig. 268

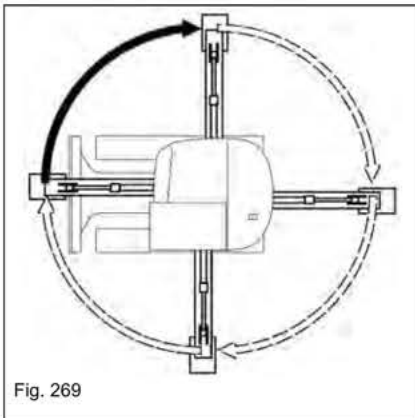


Fig. 269

5. Start the engine, raise the boom and the stabilizer blade.
6. Rotate the upper carriage by 90°.
7. Repeat steps 2-6 three times until the revolving upper carriage is back in its initial position.
8. Rotate the upper carriage several times by 360°.

Teeth of live ring

DANGER

Crushing hazard during lubrication!

Serious crushing hazard causing death or serious injury.

- No one must be in the danger zone during upper carriage rotation.

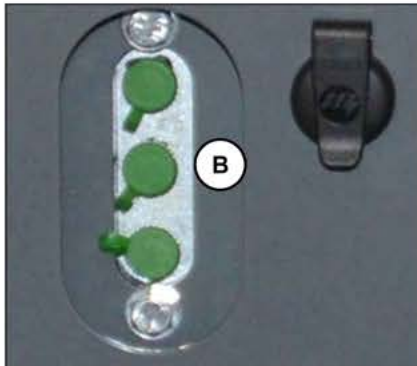


Fig. 270

The lubrication points are located on the left side of the chassis.

1. Lower the stabilizer blade to the ground.
2. Stop the engine, remove the starting key and carry it with you.
3. Apply grease to lubrication point **B** with five strokes of the grease gun.
4. Start the engine, raise the boom and the stabilizer blade.

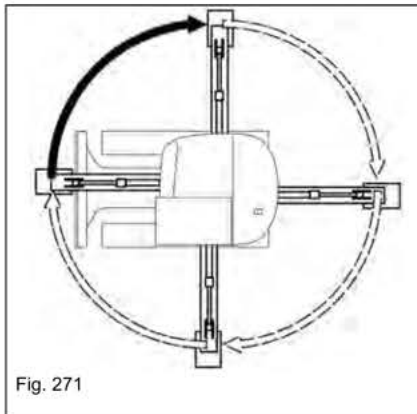


Fig. 271

5. Rotate the upper carriage by 90°.
6. Repeat steps 1 – 5 three times until the upper carriage is back in its initial position.

Control lever base

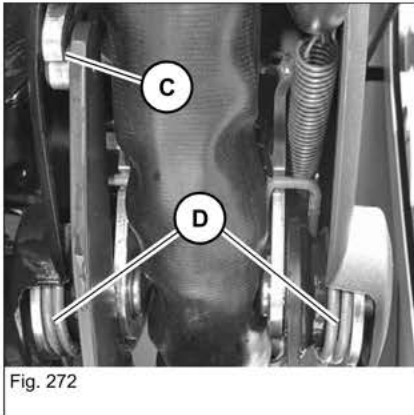


CAUTION

Crushing hazard in the area of the moving parts of the control lever base!

Injury hazard due to crushing of parts of body.

► Stay clear (extremities, clothing) of the moving parts.



1. Raise the control lever base.
2. Spray fluid grease onto the guide lever in the area of **C**.
3. Spray fluid grease on both sides **D** of the double spring.

Powertilt with Easy Lock – operation in water

- Apply grease to the lubrication points before using in water.
- After using in water, apply grease to the lubrication points to remove all water.