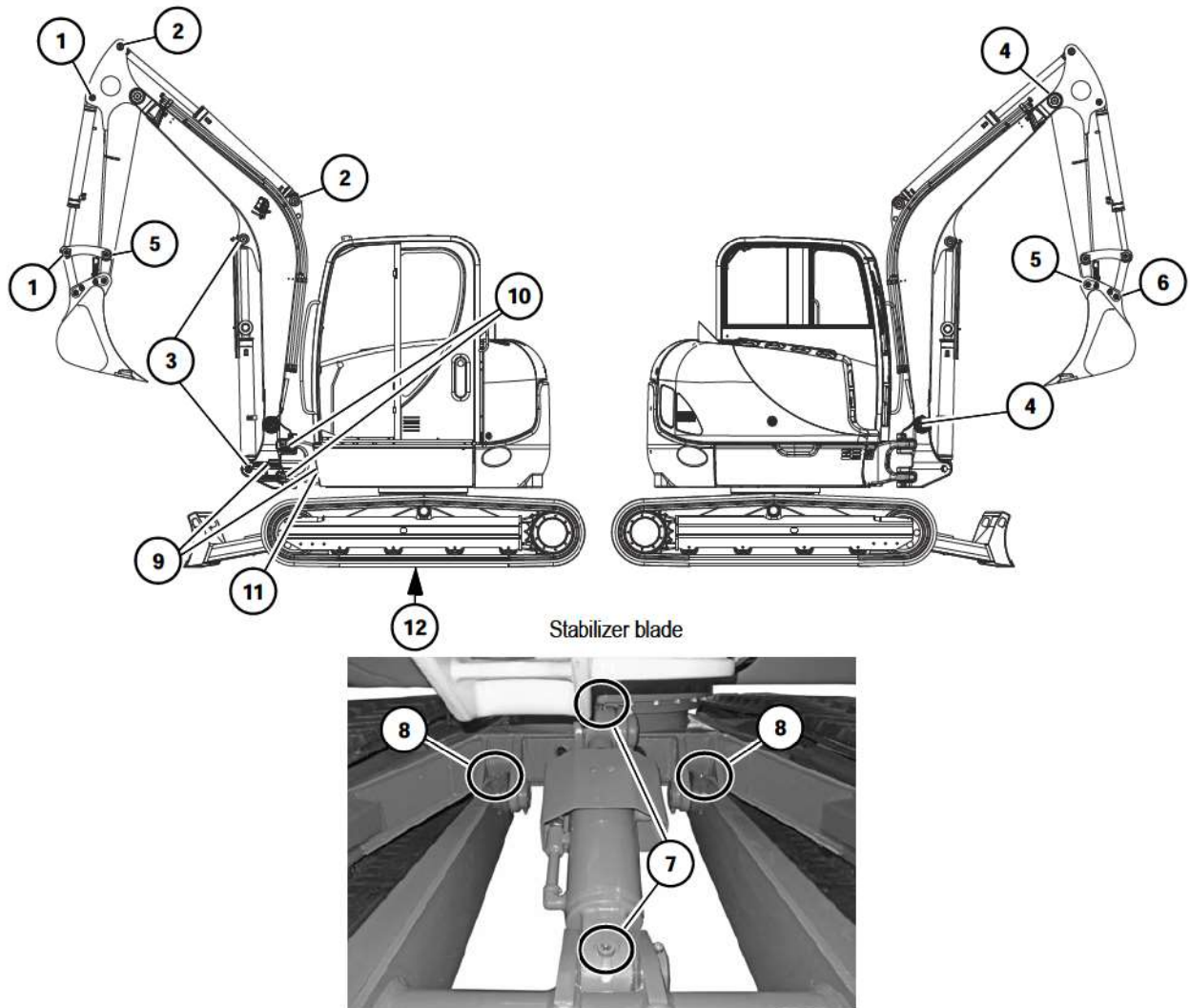




### 5.14 Overview of lubrication points



Pos.	Lubrication point	Interval	Quantity
1	Bucket cylinder	Daily	2
2	Stick cylinder	Daily	2
3	Boom cylinder	Daily	2
4	Boom	Daily	2
5	Stick	Daily	2
6	Joint rod	Daily	1
7	Stabilizer blade cylinder	Daily	2
8	Stabilizer blade	Daily	2
9	Swiveling cylinder	Daily	2
10	Swiveling console	Daily	2
11	Live ring (ball bearing)	Every week	1
12	Teeth of live ring <sup>1</sup>	1000 o/h per year	1
13	Powerlift (option)	Daily	4
14	Hydraulic quickhitch (option)	Daily	2

1. Contact a Wacker Neuson service center.

**Parking the machine**

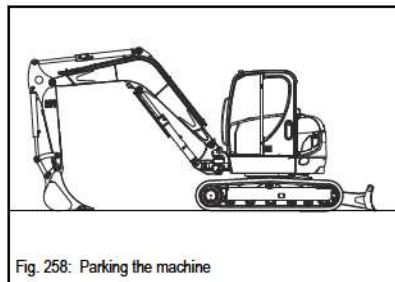


Fig. 258: Parking the machine

- Stop the machine on firm, level, and horizontal ground.
- Position the boom straight ahead at the center of the machine.
- Lower the stabilizer blade to the ground.
- Stop the engine.
- Operate the joystick repeatedly to release the pressure in the hydraulic system.
- Remove the starting key and carry it with you.
- Move the control lever base in all directions repeatedly.
- Raise the control lever base.
- Close the windows and doors.
- Leave the cabin.
- Close the door and the engine cover.
- Perform maintenance.



**Notice!**

Keep the lubrication points clean and remove ejected grease.

**Lubrication points on the boom, bucket and stick cylinders**

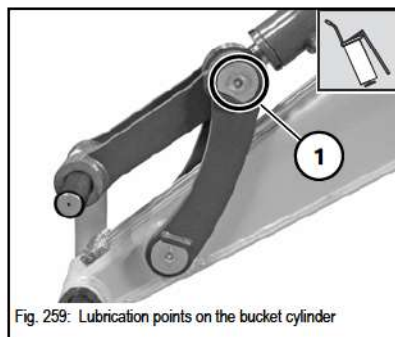


Fig. 259: Lubrication points on the bucket cylinder

Apply grease to lubrication points 1 on the bucket cylinder.

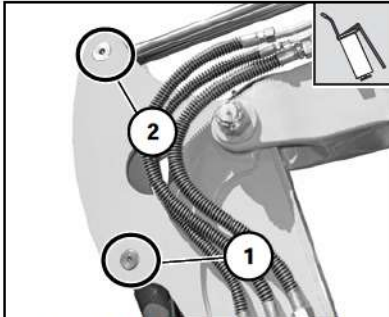


Fig. 260: Lubrication points on bucket and stick cylinders

- ☞ Apply grease to lubrication points 1 on the bucket cylinder.
- ☞ Apply grease to lubrication points 2 on the stick cylinder.

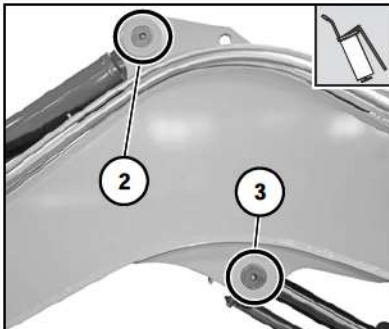


Fig. 261: Lubrication points on boom and stick cylinders

- ☞ Apply grease to lubrication points 2 on the stick cylinder.
- ☞ Apply grease to lubrication points 3 on the boom cylinder.

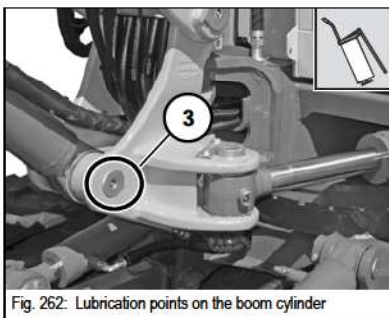


Fig. 262: Lubrication points on the boom cylinder

- ☞ Apply grease to lubrication points 3 on the boom cylinder.

#### Lubrication points on the boom and stick

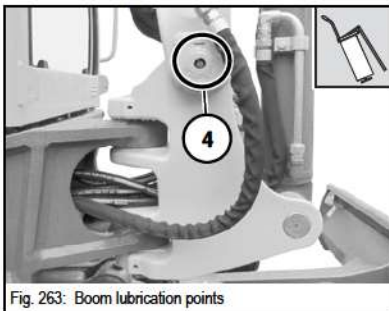


Fig. 263: Boom lubrication points

- ☞ Apply grease to lubrication points 4 on the boom.

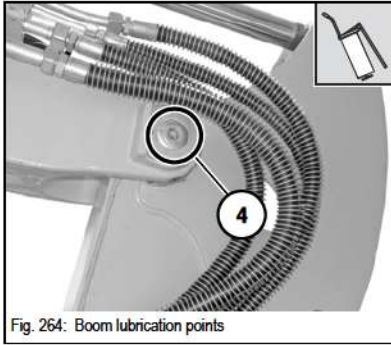


Fig. 264: Boom lubrication points

☞ Apply grease to lubrication points 4 on the boom.

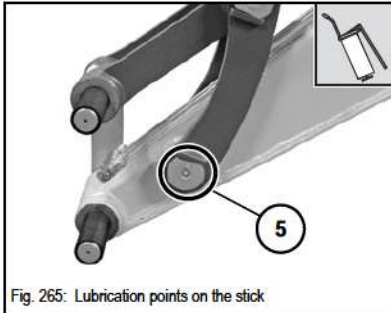


Fig. 265: Lubrication points on the stick

☞ Apply grease to lubrication points 5 on the stick.

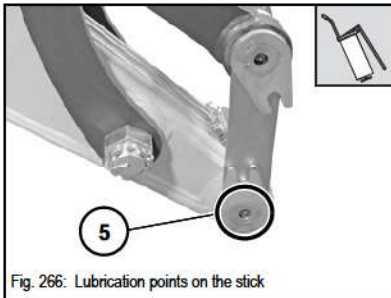


Fig. 266: Lubrication points on the stick

☞ Apply grease to lubrication points 5 on the stick.

**Joint rod lubrication point**

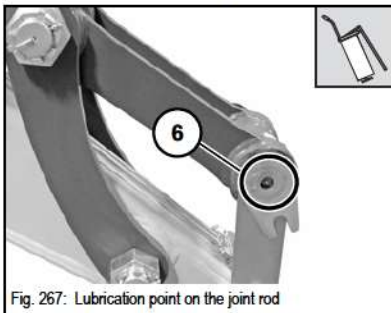


Fig. 267: Lubrication point on the joint rod

☞ Apply grease to lubrication point 6 on the joint rod.

**Lubrication points on the stabilizer blade and stabilizer blade cylinder**

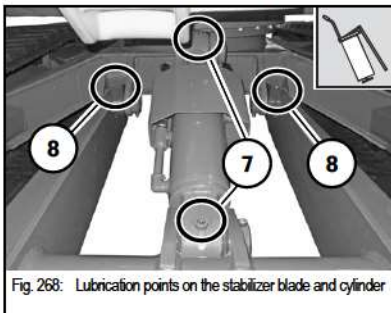


Fig. 268: Lubrication points on the stabilizer blade and cylinder

☞ Apply grease to lubrication points 7 on the stabilizer blade cylinder.

☞ Apply grease to lubrication points 8 (on either side) on the stabilizer blade.

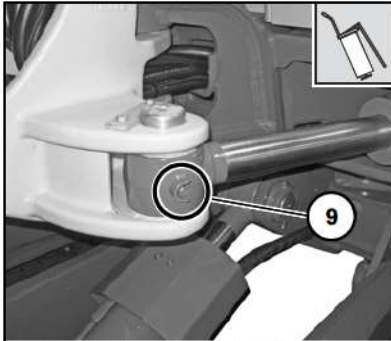
**Lubrication points on the swiveling cylinder and swiveling console**

Fig. 269: Lubrication point on swiveling cylinder

Apply grease to lubrication points 9 on the swiveling cylinder.

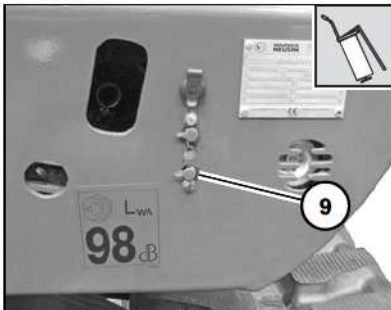


Fig. 270: Lubrication point on swiveling cylinder

Apply grease to lubrication point 9 of the swiveling cylinder.

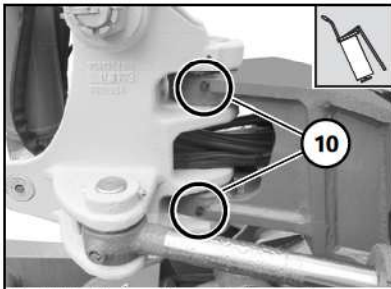


Fig. 271: Lubrication points on swiveling console

Apply grease to lubrication points 10 of the swiveling console.

## Lubrication points on live ring (ball bearing)

**Danger!**

Do not rotate the machine during lubrication.

**Serious crushing hazard that can cause death or serious injury.**

☞ – see *Parking the machine* on page 5-30

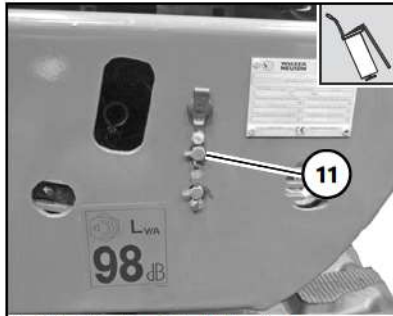


Fig. 272: Lubrication points of ball bearing race

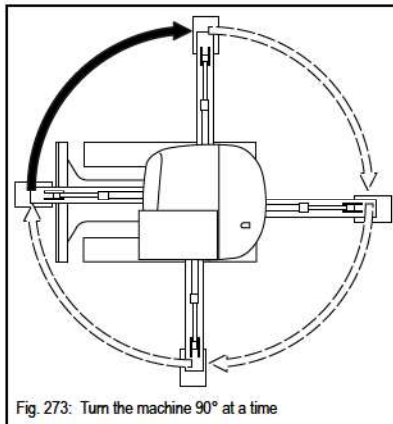


Fig. 273: Turn the machine 90° at a time

- ☞ Stop and park the machine.
  - ☞ Apply grease to lubrication points 11 with one stroke of the grease gun.
  - ☞ Remove ejected grease.
- 
- ☞ Turn the machine 90° at a time.
  - ☞ Stop and park the machine.
  - ☞ Apply grease to each of lubrication points 11 with one stroke of the grease gun.
  - ☞ Remove ejected grease.
  - ☞ Turn the machine 360° a few times.

**Lubrication points of live ring (teeth)****Danger!**

Do not rotate the machine during lubrication.

**Serious crushing hazard that can cause death or serious injury.**

☞ – see *Parking the machine* on page 5-30

**Caution!**

Lubrication can be performed over a pit only.

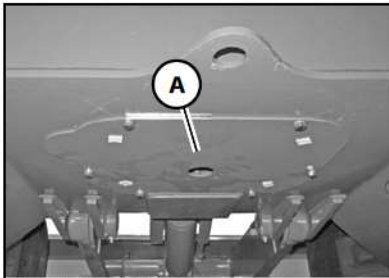


Fig. 274: Removing the cover

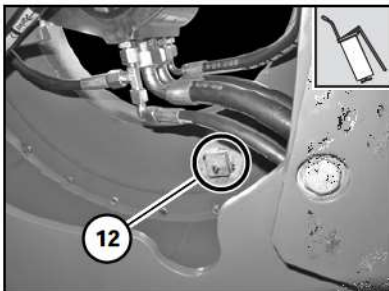


Fig. 275: Teeth lubrication point

- ☞ Drive and stop the machine over a pit.
- ☞ The lubrication point is located on the lower side of the travel gear.
- ☞ Remove cover A on the lower side with a suitable tool.

- ☞ Apply grease to lubrication point 12 with five strokes of the grease gun.
- ☞ Remove ejected grease.
- ☞ Install the cover.

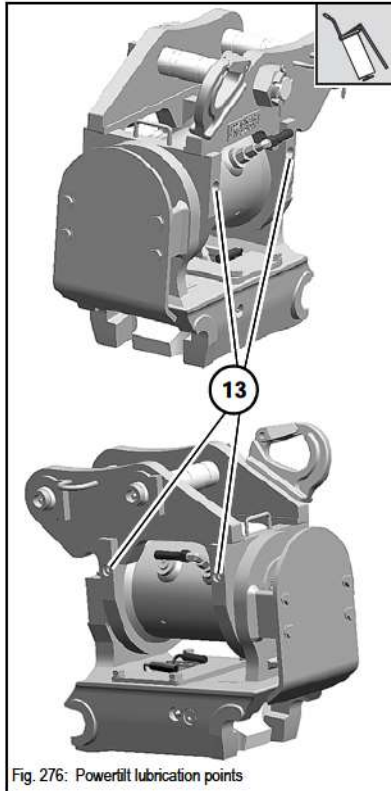
**Powertilt lubrication points (option)**


Fig. 276: Powertilt lubrication points

Perform maintenance of the Powertilt unit once a day with the other maintenance for the machine.

Perform visual checks for possible malfunctions, damage or cracks.

Remove all dirt on and around moving parts.

Apply grease via grease zerks 13.

– see [chapter 3.51 Powertilt \(option\)](#) on page 3-102

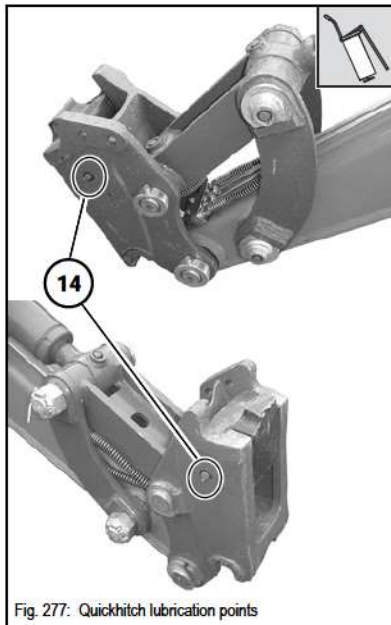

**Lubrication points of hydraulic quickhitch (option)**


Fig. 277: Quickhitch lubrication points

** Notice!**

Before picking up an attachment, the operator must ensure that it can be hitched correctly by removing all dirt on either claw of the quickhitch.

Perform maintenance on the quickhitch once a day with the other maintenance for the machine.

Perform visual checks for possible malfunctions, damage or cracks.

Remove all dirt on and around moving parts.

The claws must be clean and slightly greased.

Apply grease to the friction surfaces of the lock mechanism via 2 grease zerks 14 on either side of the quickhitch (see [Fig. 277](#)).

Before starting work, check the acoustic signal. You must be able to hear the acoustic signal as you actuate the switch.



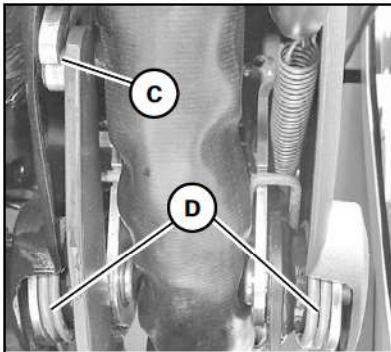
**Control lever base lubrication points**

Fig. 278: Guide lever and double spring

- ☞ Raise the control lever base.
- ☞ Spray fluid grease onto guide lever C.
- ☞ Spray fluid grease on both sides of double spring D.

**Notice!**

Spray fluid grease onto the lubrication points once a month (250 o/h).

**Danger!**

In the area of the moving parts of the control lever base –

**Crushing hazard.**

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

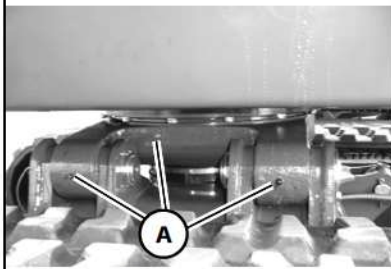
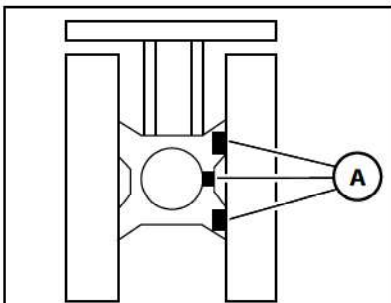
**VDS lubrication points (option)**

Fig. 279: VDS lubrication points

Apply grease to lubrication points A once a week.