

Document Title: Brake calliper removed, reconditioning	Function Group: 511	Information Type: Service Information	Date: 2014/8/21
Profile: ART, A30D [GB]			

Brake calliper removed, reconditioning

Op nbr 511-081

To remove brake calipers, see [464 Spindle, replacing one side](#).



WARNING

Brake fluid can cause skin irritation. Use protective gloves.

Dismantling

1. Fit the brake pad retainers. Fit a wooden block 300x75x20 mm (12x3x0.8 in) between the brake pad retainers. Press out the pistons with compressed air.

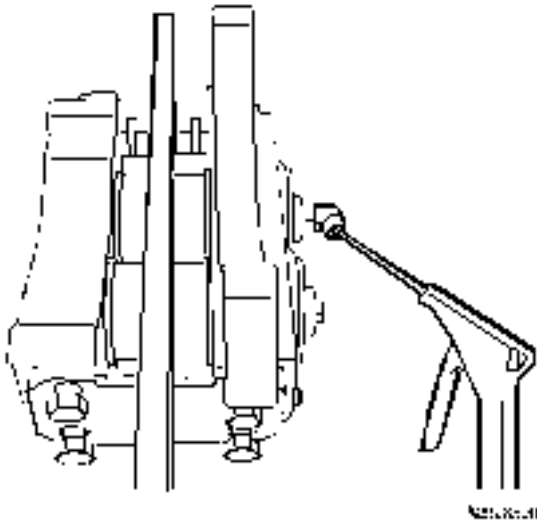


Figure 1

2. Remove the brake pistons (4 pcs.).

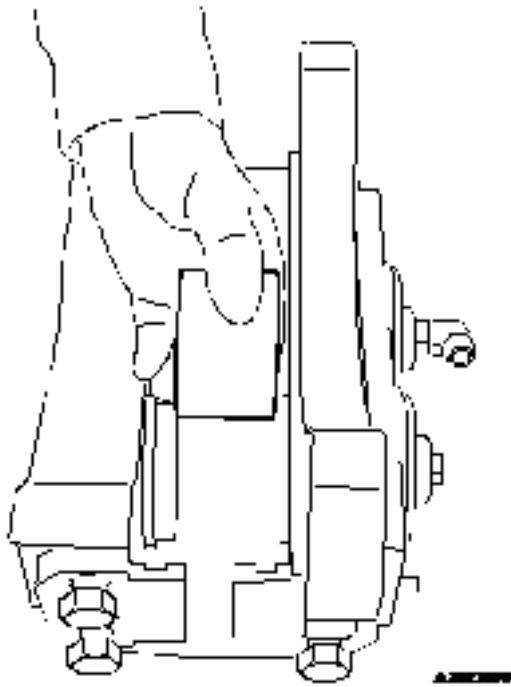


Figure 2

3. Remove the dust seals (4 pcs.).

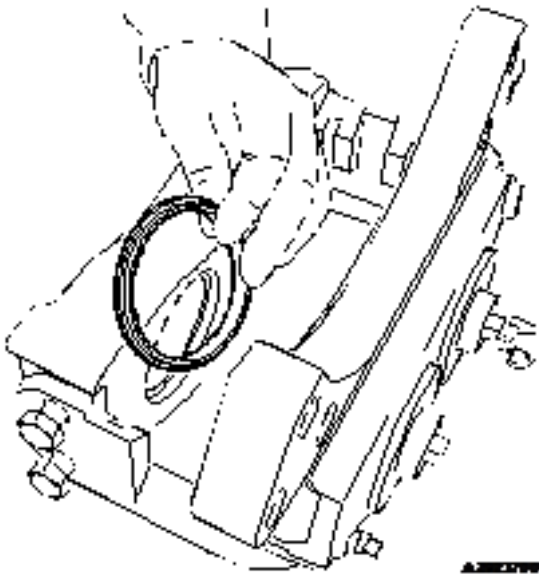


Figure 3

4. Remove the O-rings and back-up rings.

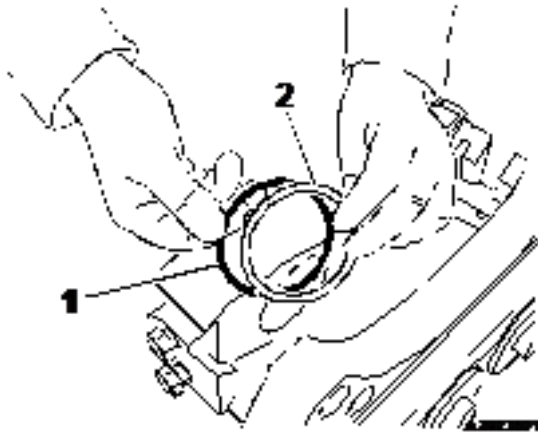


Figure 4

1. O-ring
2. Back-up ring

5. Clean and inspect the dismantled parts for damage and wear. Change damaged or worn parts.

Assembling

6. Fit new back-up rings and O-rings. Lube the O-rings with vaseline.

NOTE!

The back-up ring should be closest to the brake pads.

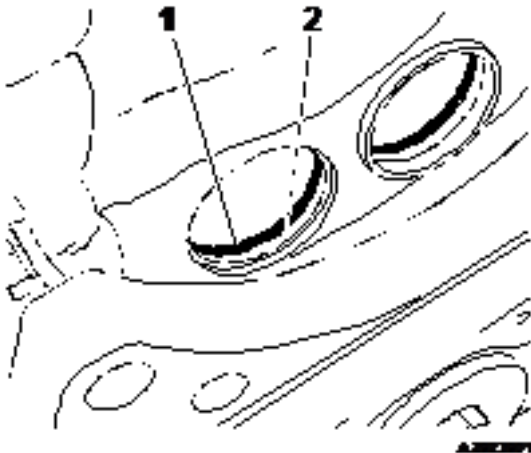


Figure 5

1. O-ring
2. Back-up ring

7. Fit the pistons.

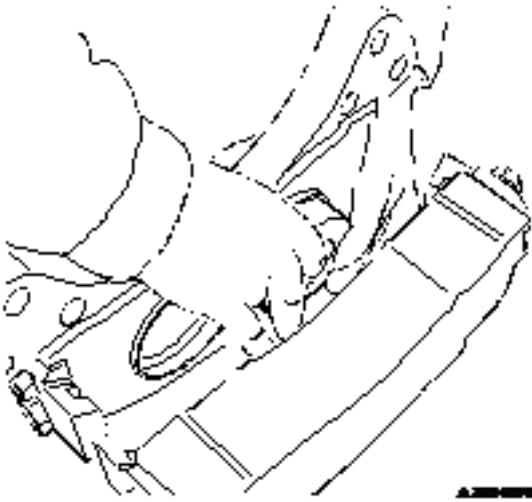


Figure 6

8. Fit new dust seals.

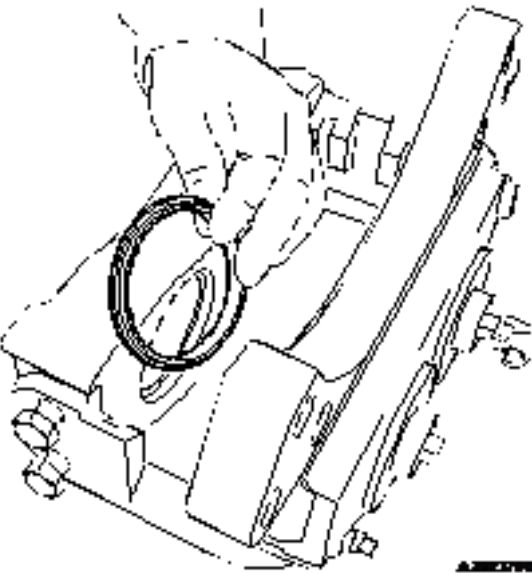


Figure 7

To install brake calipers, see [464 Spindle, replacing one side](#).

Document Title: Brake pads, replacing (one wheel, front axle)	Function Group: 511	Information Type: Service Information	Date: 2014/8/21
Profile: ART, A30D [GB]			

Brake pads, replacing (one wheel, front axle)

Op nbr 511-005

This operation also includes required tools and times for applicable parts of the following operations:

- [191 Service positions](#)
- [771 Wheel, removing and installing](#)

1. For changing brake pads, follow the matching description in section [512 Brake pads, changing](#).

Document Title: Brake caliper, replacing one	Function Group: 512	Information Type: Service Information	Date: 2014/8/21
Profile: ART, A30D [GB]			

Brake caliper, replacing one

Op nbr 512-045

[11668007 Standard Jack Single](#)

[11668007 Standard Jack Single](#)

[11668010 Wheel forklift](#)

[11668014 Lifting equipment](#)

[11668018 Bogie Blocks](#)

This operation also includes required tools and times for applicable parts of the following operations:

- [191 Service positions](#)
- [771 Wheel, removing and installing](#)
- [463 Spindle, replacing one side](#)

1. For changing brake calipers, follow the relevant description in section [463 Spindle, replacing one side](#).

Document Title: Brake pads, replacing (one wheel, first boggie axle)	Function Group: 512	Information Type: Service Information	Date: 2014/8/21
Profile: ART, A30D [GB]			

Brake pads, replacing (one wheel, first boggie axle)

Op nbr 512-005

This operation also includes required tools and times for applicable parts of the following operations:

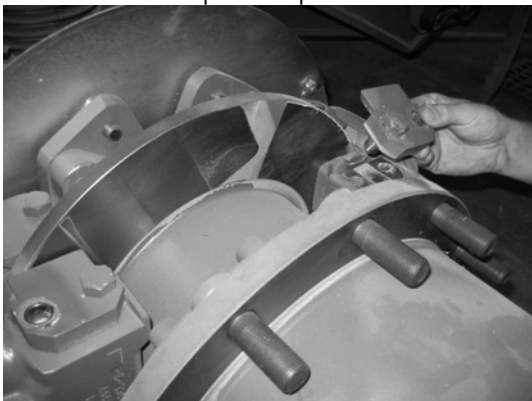
- [191 Service positions](#)
 - [771 Wheel, removing and installing](#)
1. Place the machine in service position, see [191 Service positions](#).
 2. Remove the wheel, see [771 Wheel, removing and installing](#).
 3. Remove the guard.



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Figure 1

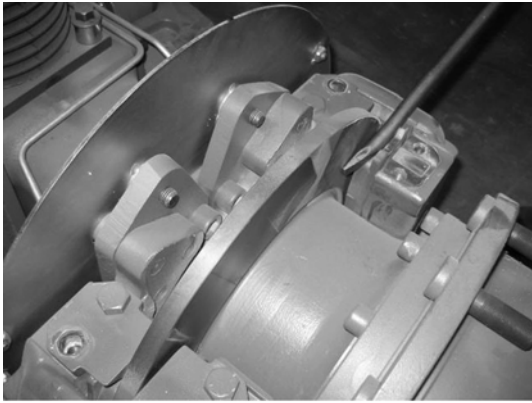
4. Remove the brake pad's stop.



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Figure 2

5. Pry back the pistons with a pry bar.



V1066490

Figure 3

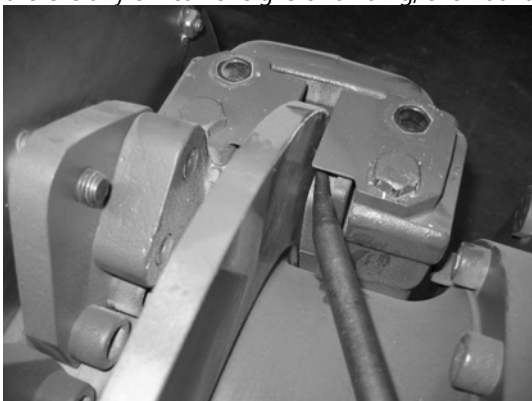
6. Lift up and remove the brake pad.



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Figure 4

7. Check brake disc wear, see [510 Service brake, specifications](#).
8. Install new brake pad.
9. Install the brake pad's stop.
Tightening torque: see [460 Axles, tightening torques](#).
10. Apply the brake.
11. Check that the pistons can move in the caliper by pressing with a pry bar between the pad and the brake disc. If there is any oil leak or signs of binding, overhaul the brake caliper, see [511 Brake caliper, reconditioning](#).



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Figure 5

12. Repeat earlier method step to change remaining brake pads.
13. Install the upper guard.
14. Fit the wheel, see [771 Wheel, removing and installing](#).
15. Restore the machine from service position.
16. Start the machine and check functions.

Thank you very much for reading.

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