

Volvo A30D Articulated Dump Truck

Service Repair Manual



Volvo A30D Articulated Dump Truck Service Repair Manual is an electronic version of the best original maintenance manual. Compared to the electronic version and paper version, there is a great advantage. It can zoom in anywhere on your computer, so you can see it clearly. Your Volvo A30D Articulated Dump Truck parts correspond with the number of pages printed on it in this manual, very easy to use.

Volvo A30D Articulated Dump Truck Service Repair Manual is a perfect manual, which contains a lot of information. I believe that would be what you need.

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](#).



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.

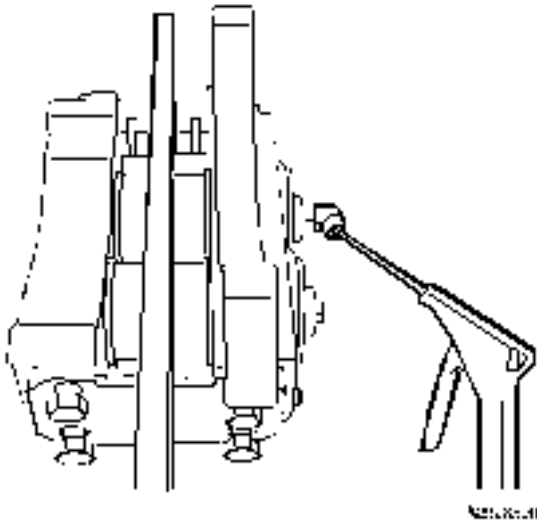


Figure 1

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

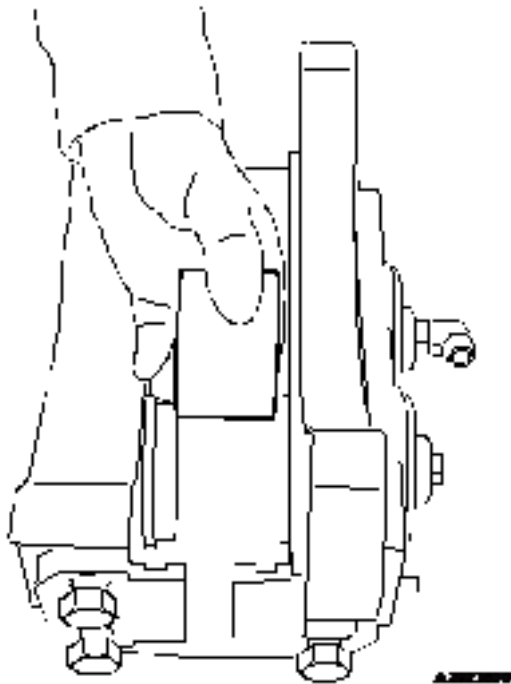


Figure 2

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

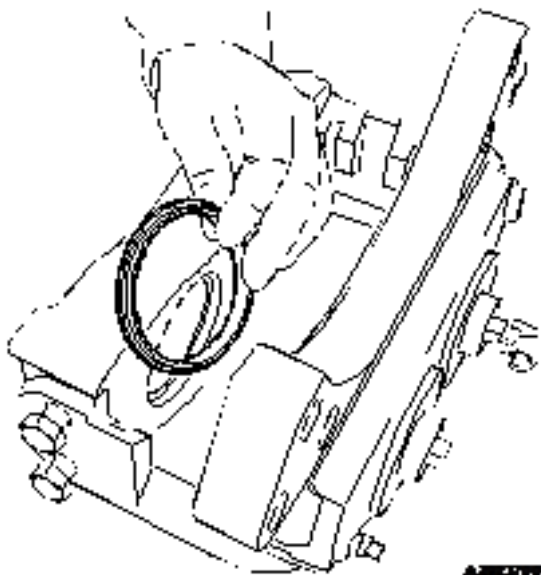


Figure 3

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

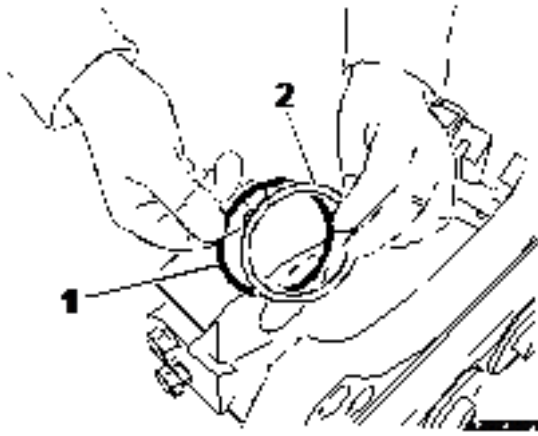


Figure 4

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.

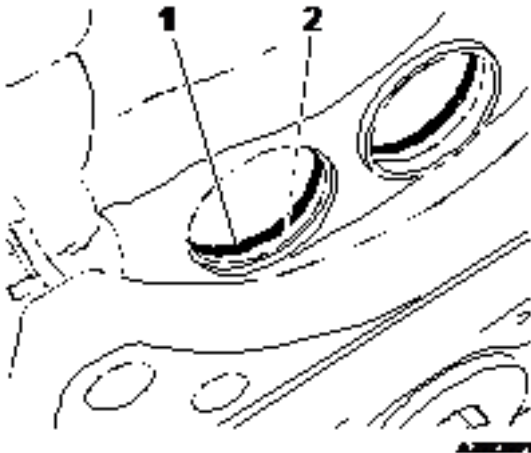


Figure 5

1. O-ring
2. Back-up ring

7. Fit the pistons.

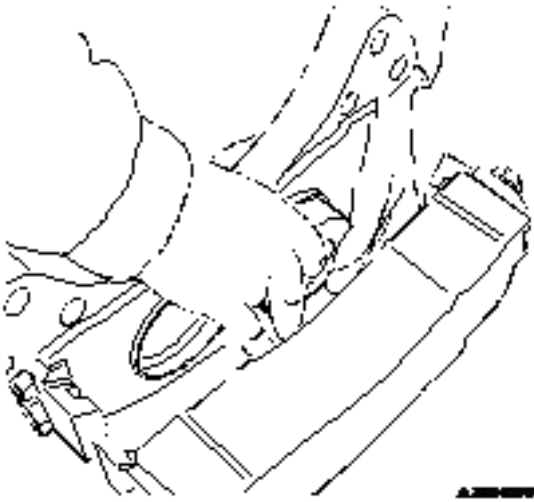


Figure 6

8. Fit new dust seals.

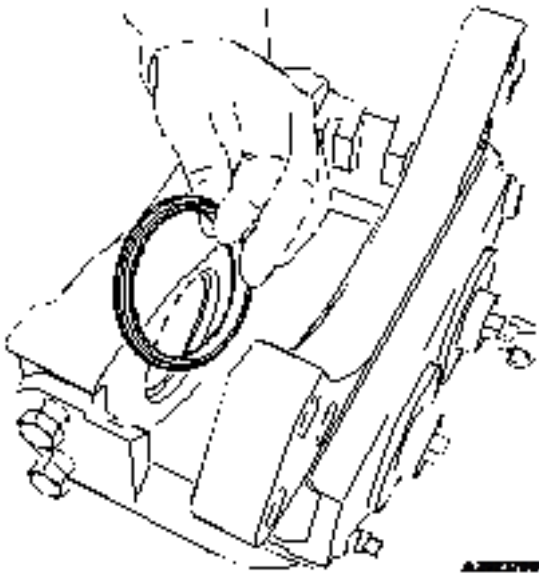


Figure 7

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



Construction Equipment

Service Information

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:

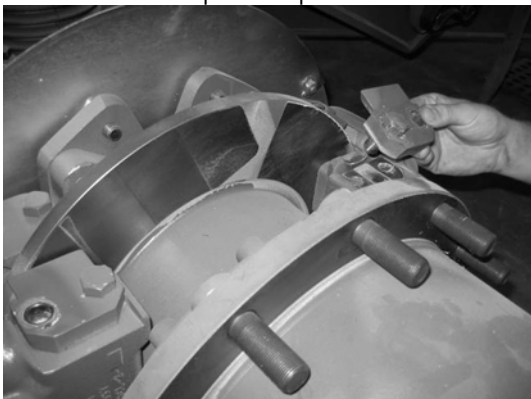
- [191 Service positions](#)
 - [771 Wheel, removing and installing](#)
1. Place the machine in service position, see [191 Service positions](#).
 2. Remove the wheel, see [771 Wheel, removing and installing](#).
 3. Remove the guard.



V1066488

Figure 1

4. Remove the brake pad's stop.



V1066489

Figure 2

5. Pry back the pistons with a pry bar.

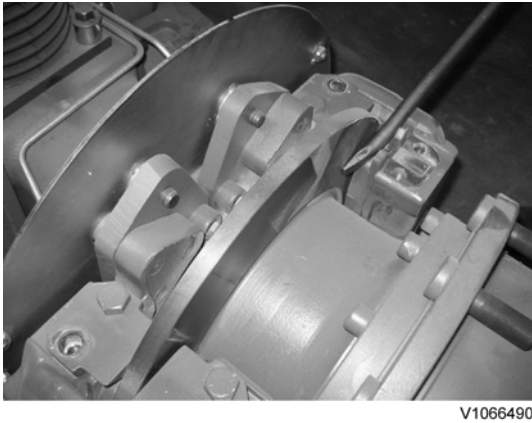


Figure 3

6. Lift up and remove the brake pad.



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](#).

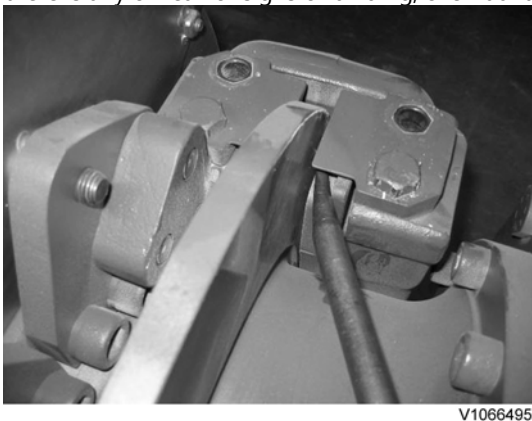


Figure 5

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.



Covers the following serials:

Serial numbers: ALL

Service Repair Manual Covers:

Safety

0 General

1 Standard Parts, Service

2 Engine with Mounting and Equipment

3 Elec. System, Warning System, Information System, Instruments

4 Power Transmission

5 Brake

6 Steering

7 Frame and Wheel

8 Machinery House, Cab, Exterior Trim Parts Anywhere

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