

Document Title: Brake disc, changing	Function Group: 516	Information Type: Service Information	Date: 2014/5/21
Profile:			

Brake disc, changing

Op nbr 51704

999 3875 Adjusting tool

Hexagon key 14 mm

NOTE!

Only a 9.5 mm (0.374 in) brake disc is supplied as spare part and this means that on a machine which is not fitted with a wear indicator, such an indicator must be fitted. Fit brake disc and wear indicator on one axle at a time and then on both sides of the axle. When fitting the wear indicator, the position of the brake piston must be changed. At the same time change the brake piston O-rings. As spare part the brake disc is supplied without a pump rotor. Therefore, the pump rotor must be moved over and centred on the new brake disc.

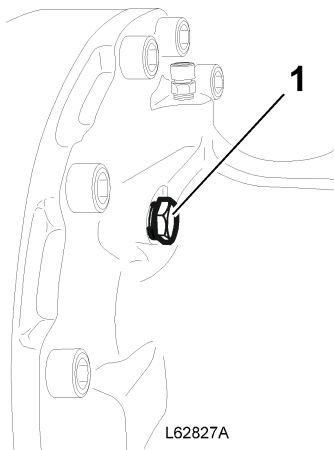


Figure 1
Axle without wear indicator

1. Plug

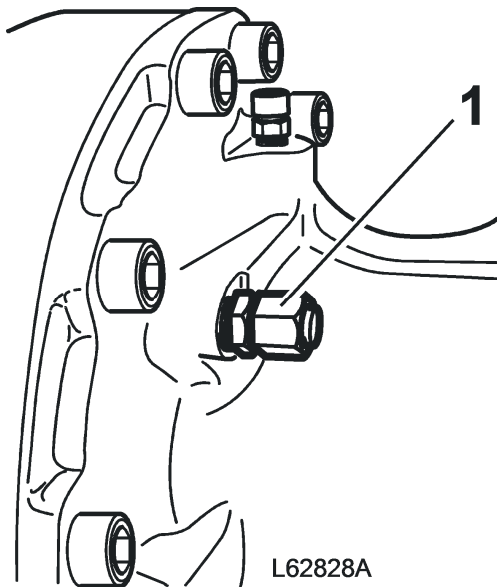


Figure 2
Axle wear indicator

1. Wear indicator

Dismantling

1. Raise the machine, support the axle and remove the wheels.
2. Drain the oil from the hub reduction gears and axle housing.
3. Release the pressure in the brake system by depressing the brake pedal 30 - 40 times, so that the hissing sound ceases and no counter pressure can be felt in the pedal.
4. Connect lifting yoke E1752 to the hub reduction gear. Remove the bolts and lift away the hub reduction gear together with half shaft and brakes disc.



The hub reduction gear weight is approx. 160 kg (353 lb).

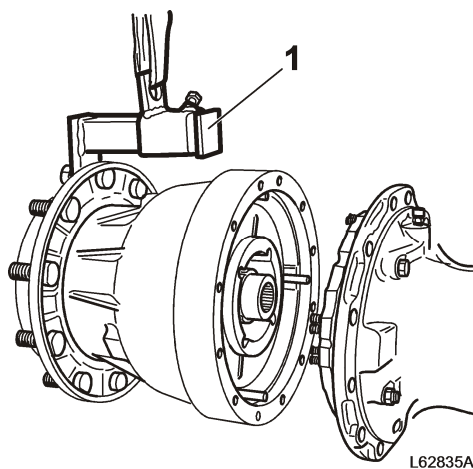


Figure 3
Removing hub reduction gear

1. E1752

5. Loosen the lock nuts and unscrew the brake piston adjusting screws approx. 1 revolution.

6. Clean, inspect and change worn or damaged parts.

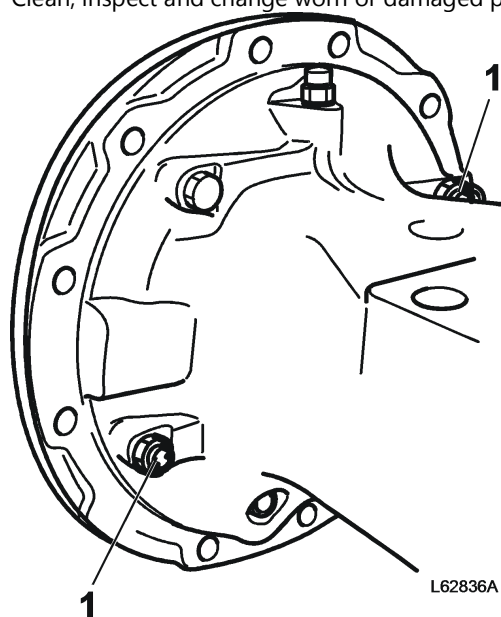


Figure 4

1. Adjusting screws with lock nuts

Centring of pump rotor on brake disc

7. Remove the pump rotor from the old brake disc.
8. Centre the pump rotor on the new brake disc as follows:
- Position the new disc on a level surface with a pump rotor half on each side. Centre the pump rotor halves on the disc by knocking in two spring pins 6.35 x 24 mm (0.25 x 0.94 in) in two opposing bolt holes.
 - Fit bolts in the other two holes.
Tightening torque: 12 N m (8.9 lbf ft).
 - Knock out the spring pins and fit bolts.
Tightening torque: 12 N m (8.9 lbf ft).

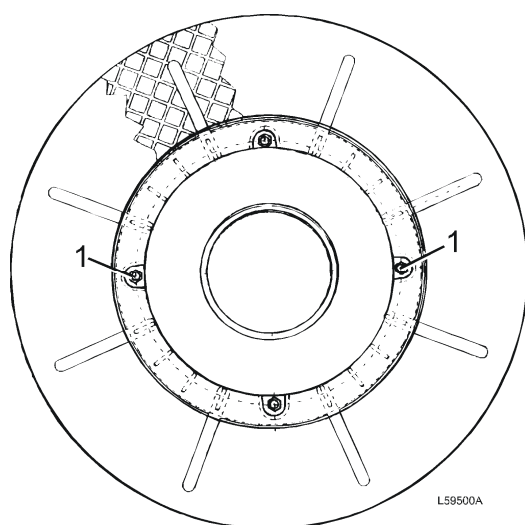


Figure 5

1. Spring pins for centring of pump rotor half

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