

## Service description

Product: SP200	Service description no: 3112-S005	Ver: 1
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### Symptom

The pump vibrates.

### Caused by

1. Runs the pump at critical speed.
2. Excessive deviation of the angle of the drive joint. Max 20°.
3. Bent drive shaft.
4. Worn out plastic bearing.
5. The bearing between the drive shaft and double joint is worn out.
6. Accumulation of "dry manure" between the drive shaft and the cover tube.
7. Double gearbox is screwed onto the pump holder.

### Solution

1. Certain speed can cause vibrations. Avoid this with a small increase/decrease in the speed.
2. Raise or lower the pump relative to the tractor.
3. Replace the drive shaft and possibly the cover tube. Check the double-joint. [3112-S007](#)
4. Check the bearing of the impeller. Replace the plastic bearing if the bearing is worn. [3112-S006](#)
5. Change bearings. [3112-S008](#)
6. Clean inside the cover tube. [3112-S009](#)
7. Watch [3121-S010](#).