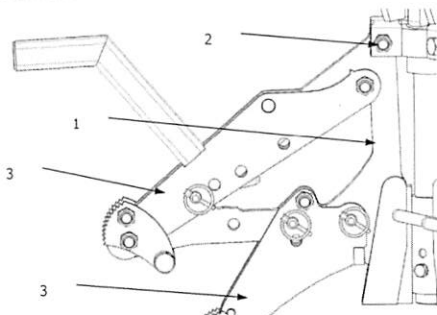


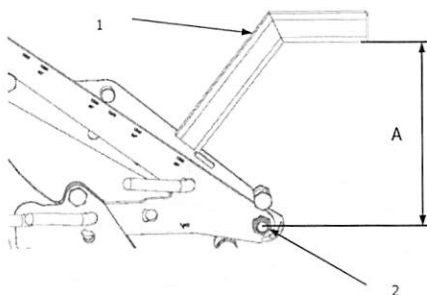
SIDE PARTS



Check side parts (1) of damage and bent. Exchange damaged or bent side and remove bent side parts and adjust them with hydraulic press.

- Remove bracket holder (3) including bracket.
- Remove hexagon nut (2) including screws
- Replace side part (1) and/or adjust and insert it again.
- Loosen possibly tightened hexagon nuts and screws (2).

STABILIZER



The distance (A) between stabilizer (1) and bracket fulcrum (2) must be equal large with all three stabilizer.

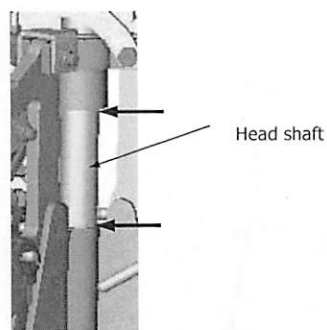
Differently large distances are referring to bent stabilizer (1).

- Verbogene Auflagen (1) korrigieren.
- Correct bent stabilizer (1).

HEAD SHAFT

Keep head shaft free of dirt.

Grease if necessary the upper and lower range of the head shaft (see arrows).



The manufacturer of the device does not take over any adhesion for malfunctions, which are due to maintenance periods not taken place, rough contamination and maintenance lacking.

7.1.3 General safety notes



When driving over uneven area take that the arm of the support frame does not begin for hopping!

- There is the danger that the gripping good (manhole ring / cone) could break apart by the tension force (from inside).
- It exists the danger, that the distance between gripping good (upper edge of manhole) and lower edge of stabilizer and/or brackets becomes larger that than 15 mm.




In this case lower on the ground gripping good immediately and seizes again.

- Transport the device (SVZ-uni UK) with the seized gripping good (manhole ring/cone) to the destination and set off **carefully**.
- Relieve chain suspension/load hook at support frame (excavator), until load tie rod on device (SVZ-uni UK) slips downwards.
- Move device lifting hook by diagonal pulling of load tie rod in position "release" (Fig. 1 chapter "Manhole rings (general use)").
- Bring the device (SVZ-uni UK) out of the gripping good (manhole).

8 Maintenance and care

8.1 Maintenance

 To ensure the correct function, safety and service life of the device the following points must be executed in the maintenance interval.

Used **only original spare parts**, otherwise the warranty expires.

 **All operations may only be made in unpressurised, electro less and closed state of the device!**

Service interval

First inspection after 25 operating hours

After 50 operating hours:

Minimum 1x per year (at rough conditions shorten the interval)

Before each start-up:

Regular:

Weekly:

Monthly:

Maintenance work

- Control and tighten all screws and connection. (The implementation is only allowed by an expert).
- Tighten all screws and connection (Take care that the tightening torques according to the property class of the screws are observed).
- Check of all the suspension parts, bolts and straps. Check for corrosion and safety by an expert.
- Check all brackets for mobility, abrasion and contamination. Worn (no longer sharp-edged) or bent brackets must be replaced!
- Cleaning of the device with high pressure cleaner (warm water), when dirty.
- Lubricate and oil mobile parts (see arrows in Fig. 1, 2, 3).
- Check screws and nuts for tightness.

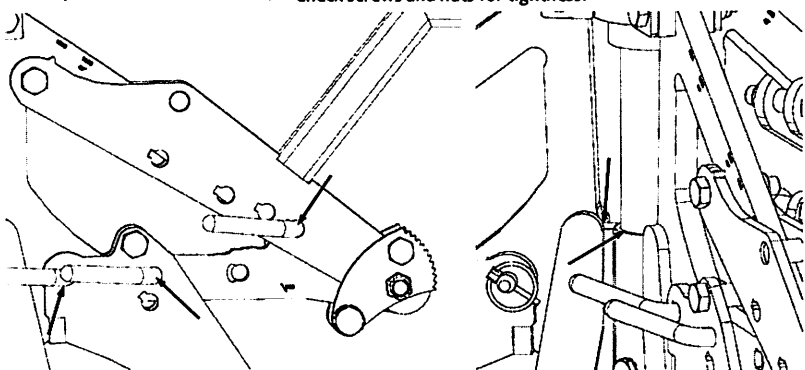


Fig. 1

Fig. 2

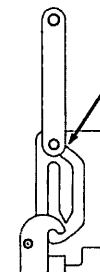
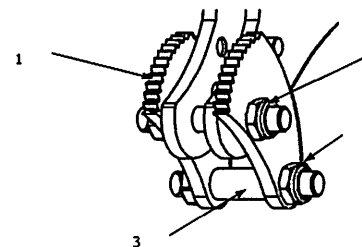


Fig. 3

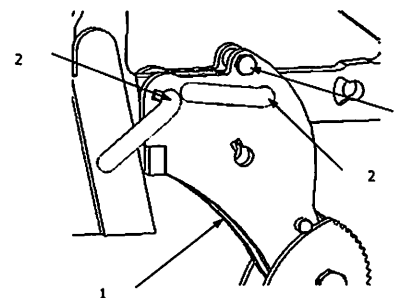
BRACKETS



Check brackets (1) for mobility, abrasion. Clean tooth and brackets and check for abrasion. Renew worn or bent brackets. Worn (no longer sharp-edged) or bent brackets must be replaced!

- Remove hexagon nut (2) including screws.
- Check position of distance bush (3) beachten.
- Tighten hexagon nut (4) including screws.
- Brackets must be mobile. Loosen possibly tightened hexagon nuts and screws (2)

BRACKET HOLDERS



Check bracket holder (1) and socket pin (2) for damage and deformation. Exchange damaged or bent parts.

- Remove the locking pin from the socket pin (2), then pull out the socket pin (2).
- Remove the hexagon nut (3) inclusive the screws.
- Exchange the bracket holder (1) and install the new bracket holder in reverse order. Grease socket pin (2).