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Torques for bolts with metric unified threads

Dimension of bolt	Torques Nm* (ft-lb)		
	8.8	10.9	12.9

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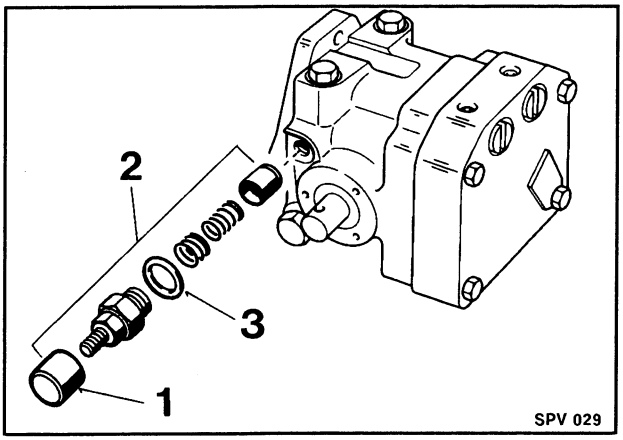


Fig. 1

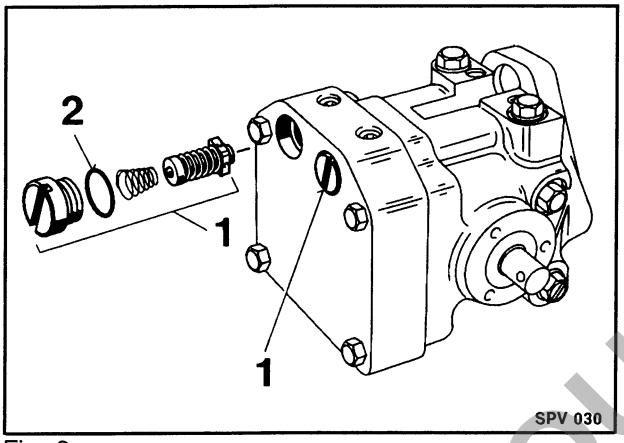


Fig. 2

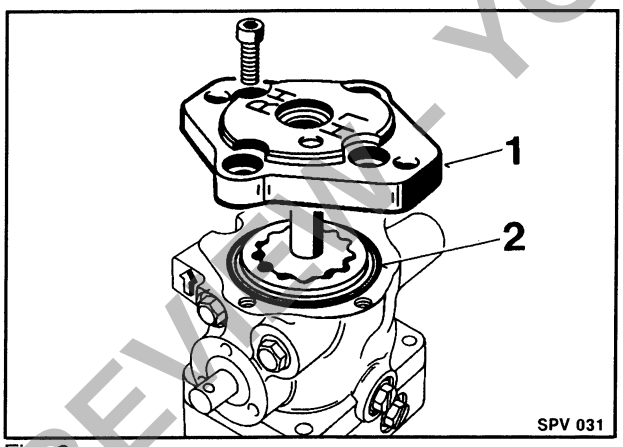


Fig. 3

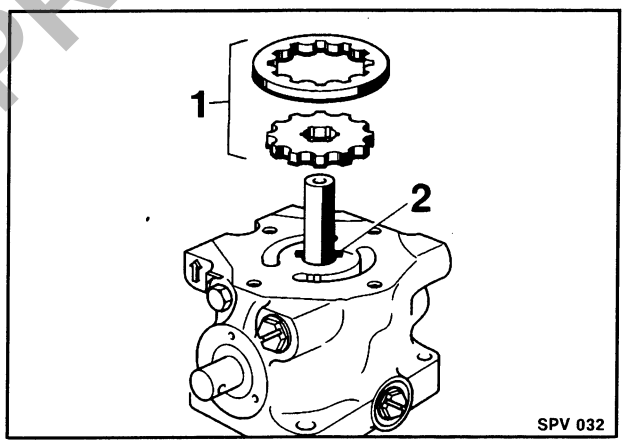


Fig. 4

2.05 Repairing the travel pump

Caution

Use only the larger hexagon to unscrew the charge pressure relief valve and to screw it back in!

1. Remove the cap 1 (Fig. 1).
2. Unscrew the charge pressure relief valve (2) and install the new O-ring (3) with some grease.
3. Unscrew the non-return valves 1 (Fig. 2) and install the new O-rings (2) with some grease.

Disassembling the travel pump

1. Unscrew the cover 1 (Fig. 3) and remove the O-ring (2).
2. Take the rotor (charge pump) 1 (Fig. 4) off.
3. Pull the cylindric pin (2) out.

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Introduction

These safety regulations must be read and applied by every person involved in the repair of the machine. All applicable accident prevention instructions and the safety regulations in the operating and maintenance instructions must also be observed.

Repairs must only be carried out by qualified personnel or by the After Sales Service of BOMAG

Note

These repair instructions contain headings such as "Note", "Attention", "Danger", which must be strictly complied with.

Note

This "Note" for repairs must be strictly complied with.

Caution

This note "Attention" refers to repair procedures which must be strictly complied with to avoid damage and destruction of the machine and other properties.

Danger

This note "Danger" refers to repair procedures which must be strictly complied with to avoid danger to life.

General

- To carry out repairs park the machine on level and firm ground.
- Secure the machine against unintended rolling away.
- Secure the engine against unintended starting.
- Mark a defective machine by attaching a clearly visible warning tag.
- Wear your protective outfit like hard hat and protective boots.
- Keep unauthorized persons away from the machine while repairs are going on.
- Tools, lifting gear, hooks, supports ad other working aids must be operative and in secure condition.
- Use safe lifting gear of sufficient capacity to remove and install parts.
- Be careful with cleansing agents. Petrol or other easily inflammable substances must not be used for cleaning purposes.
- Cleaning and repairing the fuel tank is very dangerous. Whe cleaning or repairing the tank do not smoke, avoid sparks and do not use any kind of fire in the vicinity.
- When welding observe the welding instructions.

Special safety notes

- Use only genuine BOMAG spare parts. Orininal parts and accessories have been specially designed for the machine.
- We want to make expressly clear that we have not tested and approved original parts and accessories not supplied by us. The installation and/or use of such products can therefore impair the characteristics of the machine and have a negative effect on the active and/or passive safety .
  The manufacturer will not be liable for damage resulting from the use of non-original parts and accessories.
- Unauthorized modifications and changes to the machie are prohibited for safety reasons.
- Do not clean the machine while the engine is running.
- Do not come in contact with rotating parts of the engine, danger of injury!
- Exhaust gases are highly toxic. Ensure an adequate supply of fresh air when starting in closed rooms.

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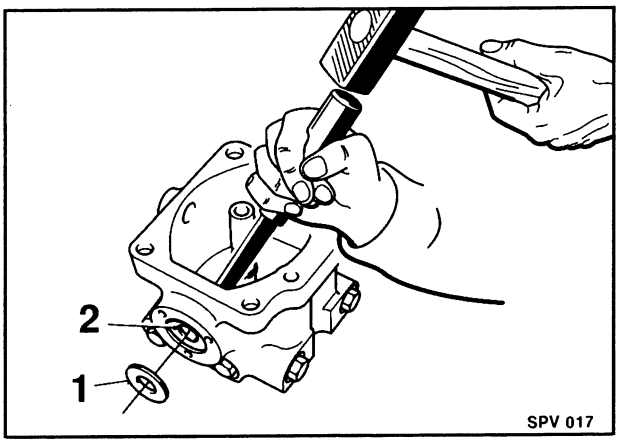


Fig. 13

12. Take the washers 1 (Fig. 13) off both sides and knock the radial seals (2) out.

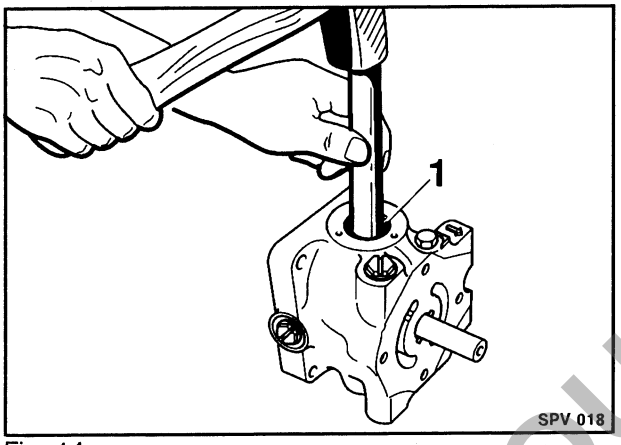


Fig. 14

13. Knock the needle bearings 1 (Fig. 14) out from both sides.

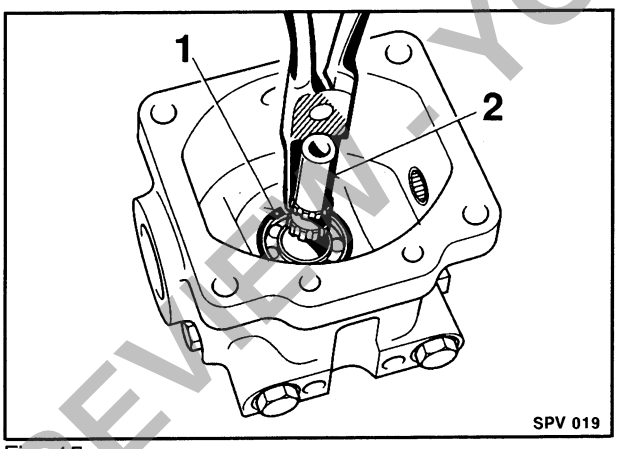


Fig. 15

14. Remove the circlip 1 (Fig. 15) and take the shaft (2) out.

Assembling the travel pump

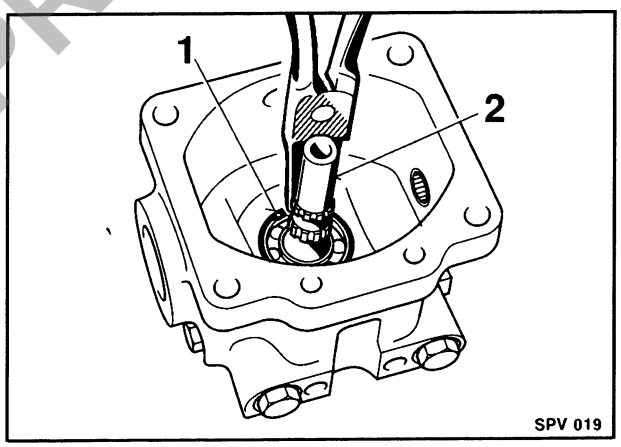


Fig. 16

1. Install the shaft 2 (Fig. 16) and insert the circlip (1).

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