Torques for bolts with metric unified threads

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

PREVIEW - YOUFIXTHIS.COM

Blurred on purpose. The manual you buy has this page in full quality.

Download full manual at youfixthis.com

3.02 Flushing schematic, front travel system



Blurred on purpose. The manual you buy has this page in full quality.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

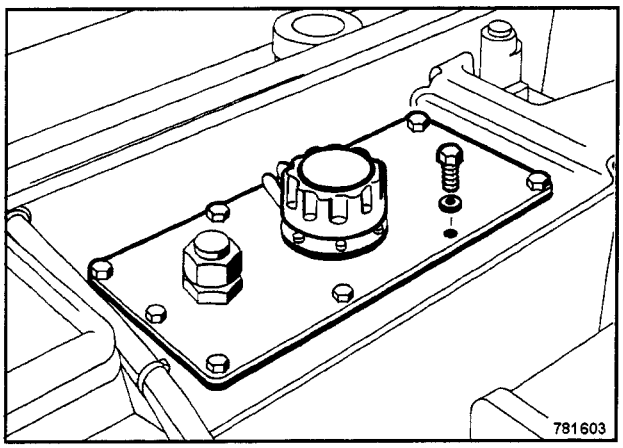


Fig. 1

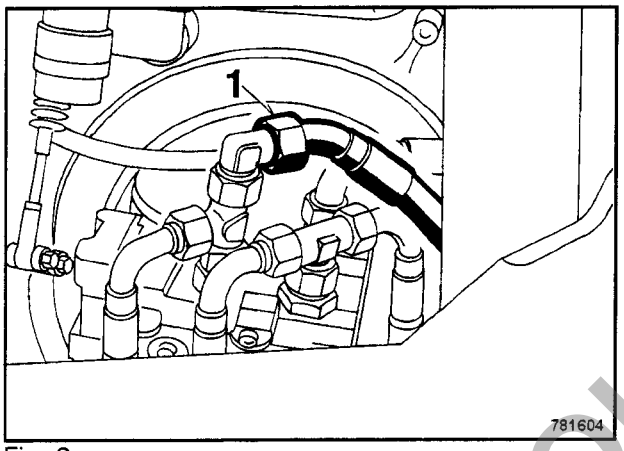


Fig. 2

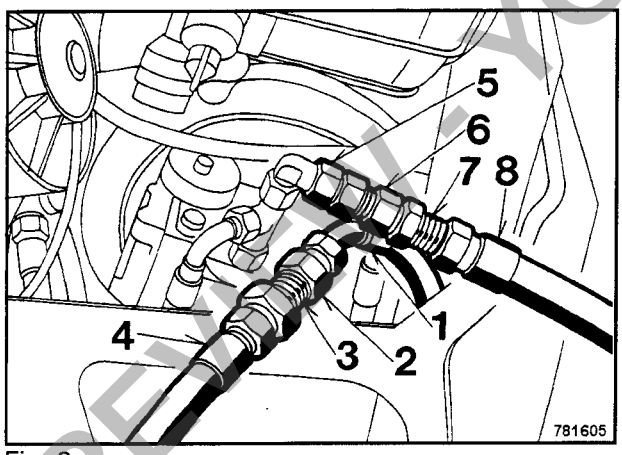


Fig. 3

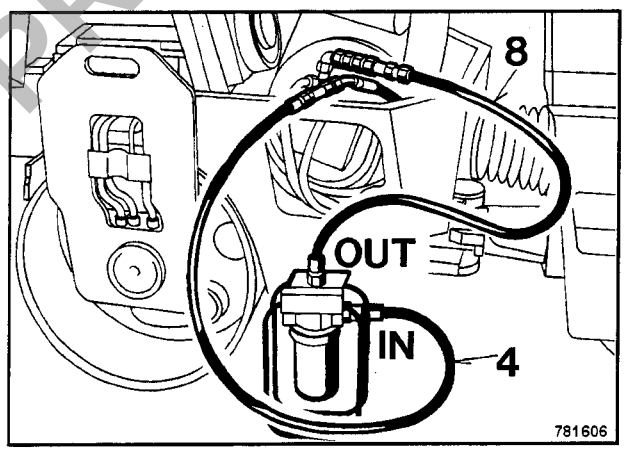


Fig. 4

3.04 Flushing the travel circuit

Cleaning the hydraulic oil tank

1. Unscrew the fastening screws 1 (Fig. 1), remove the cover from the hydraulic oil tank and pump the hydraulic oil with the filling and filtering unit into a clean container or into the oil bag.

Caution

Catch the hydraulic oil and dispose of environmentally!

2. Clean the inside of the hydraulic oil tank thoroughly.

Caution

Before the installation of the flushing filter check all hoses and connections for cleanliness and clean them if necessary.

Filter installation to flush the front drum drive system

1. Disconnect the high pressure hose 1 (Fig. 2) from the travel pump.

2. Connect the flushing hose 8 (Fig. 3) with the double end union (7), the reducing fitting (6) and the pipe connection (5) to the travel pump.

3. Connect the flushing hose (4) with the double end union (3) and the reducing fitting (2) to the disconnected high pressure hose (1).

4. Connect the flushing hose 4 (Fig. 4) to the flushing filter inlet "IN"

5. Connect the flushing hose (8) to the flushing filter outlet "OUT".

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

1.2 Engine faults

Faults	Possible cause	Remedy
Engine does not start	Fuel tank empty	Fill the fuel tank
	Fuel filter clogged, in winter caused by paraffin separation	Change the filter, use winter fuel
	Fuel lines leaking	Check all line connections for leaks and tighten the fittings
	Neutral start switch on travel lever defective or travel lever does not contact.	Change, move to correct position
	Battery discharged or not connected	Tighten the pole clamps on the battery, check line connections
Engine starts poorly and operates irregularly with poor power	Battery power too low	Have the battery examined
	Battery clamps loose or oxidized, causing the starter to turn too slow	Clean the terminal clamps, tighten them and cover them with acid-free grease
	Especially in winter: use of too viscous engine oil	Use engine oil suitable for the ambient temperatures
	Fuel supply restricted, fuel system clogged by paraffin separation in winter	Change the fuel filter. Check all line connections for leaks and tighten the fittings. Use winter grade fuel under cold conditions
	The specified valve clearance is not correct	Adjust the valve clearance
	Injection valves or plug-in injection pumps defective	Have examined by a specialist
	Dry air filter element dirty	Clean, change if necessary
	Excessive play in throttle cable	Adjust the throttle cable, change if necessary

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

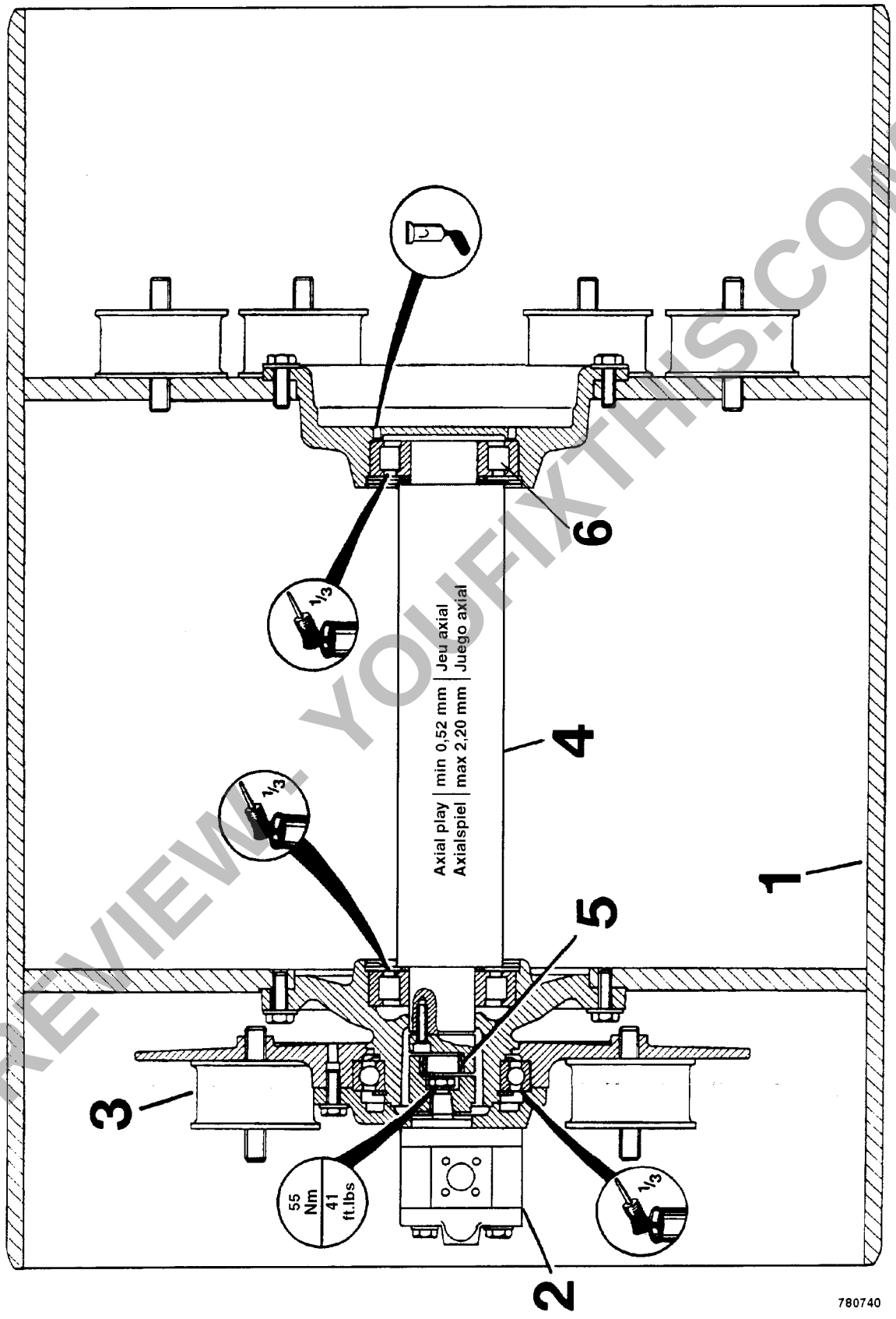


Fig. 1

PREVIEW. YOUFIXTHIS.COM

Download full manual at youfixthis.com

1.01 Foreword

1.02 Safety regulations

1.03 General notes for repairs

1.04 Tightening torques

1.05 Connecting plan

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

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 operation and maintenance manual must also be observed.

Repairs must only be carried out by trained personnel or the BOMAG After Sales Service respectively.

Note

These repair instructions contain headers such as "Note", "Attention", "Danger" which must be strictly followed.

Note

This "Note" on repairs must be strictly followed.

Caution

This note "Attention" refers to repair procedures which must be strictly followed to avoid damge to the machine and other property.

Danger

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

General

- Park the machine on firm and level ground to carry out repairs.
- Secure the machine against unintended rolling.
- Secure the engine reliably against unintended starting.
- Mark a defective machine by hanging a warning tag on the steering wheel.
- Secure the articulated joint by means of the articulated joint lock.
- Wear your protective outfit such as hard hat and safety boots.
- Keep unauthorized persons away from the machine while repair work is under progress.
- Tools, lifting devices, lifting tackle, supports and other devices must be reliable and safe to operate.
- Use only secure lifting devices of sufficient capacity for removing and installing components.
- Take care when using cleasing agents. Petrol or other easily inflammable substances must never be used for cleaning purposes.
- Cleaning and repairing the fuel tank is very dangerous. When cleaning or repairing a tank do not smoke in the vicinity of the tank and avoid sparks and any kind of fire.
- Always observe the welding instructions when carrying out welding work.

Special safety notes

- Use only genuine BOMAG spare parts.
- Genuine parts and accessories are especially designed for the machine.
- We wish to make expressly clear that we have not tested or authorized any genuine parts or special equipment not supplied by us. The installation or use of such products can therefore have an adverse effect on specified design characteristics and/or passive driving safety. The manufacturer expressly excludes any liability for damage resulting from the use of non-genuine parts or accessories.
- Do not make any conversions or changes to the machine, since this may impair the safety.
- Keep away from the machine's articulation area if tests need to be carried out while the engine is running. Danger of accident!
- Do not clean the machine while the engine is running.
- Do not come in contact with rotating parts of the engine. Danger of accident!
- Exhaust gases are extremely dangerous. Ensure an adequate supply of fresh air when starting the engine in closed rooms.
- Fill in fuel when the engine is stopped! Ensure cleanliness! Do not spill any fuel!
- Store used filters in a special container and dispose of environmentally.
- During maintenance work collect all oils and fuels and dispose of environmentally.
- Do not fill the tank in closed rooms.
- There is a danger of scalding when working with hot oil.
- Do not heat up oil over 160°C, as otherwise the oil or oil vapour may ignite.
- Wipe off any spilled fuel and oils.
- Do not smoke when refuelig or checking the acid level in the battery.
- Never check the acid level in the battery and the fuel level with a naked flame.
- Dispose of used batteries environmentally.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

3.01 Special tools

3.02 Flushing schematic, front travel system

3.03 Flushing schematic, rear travel system

3.04 Flushing the travel circuit

3.05 Flushing schematic, vibration system

3.06 Flushing the vibration circuit

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

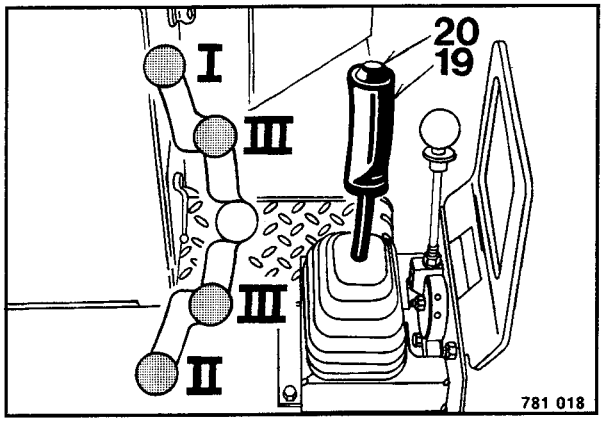


Fig. 4

- Move the travel control lever 19 (Fig. 4) to position 'III'.

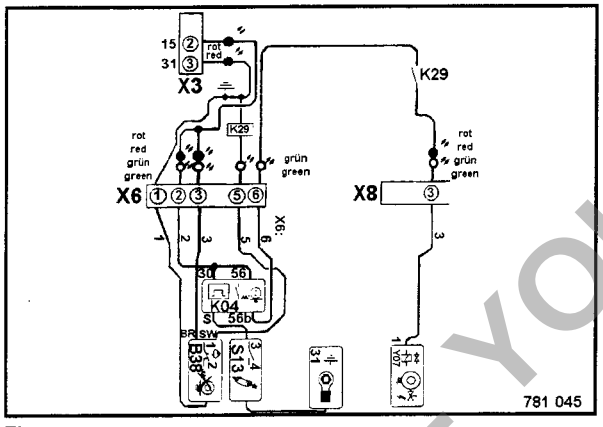


Fig. 5

Current flows from the proximity switch for the vibration lock (B38/SW) through the LED (green) X6:5 and energizes relay (K29) for the vibration switch. The contact of relay (K29) closes.

i Note

If the LED (green) X6:5 lights, voltage is applied, proximity switch (B38) has switched.

If the LED (green) X6:5 does not light, no voltage is applied. The fault can only be in the proximity switch (B38) (or an incorrect adjustment on the travel lever) or in the cable between terminals X6:3 and X6:5.

- Actuate the vibration push button 20 (Fig. 4) / (S13/Fig. 5).

i Note

K04 is not on the printed circuit board.

The toggle relay for vibration (K04) is not connected to potential 31 (earth), the contact of (K04) will close. Current flows from terminal K04/56b to the LED (green) X6:6.

i Note

If LED X6:6 (green) lights, the voltage potential is applied. The relay contact (K04) has switched.

If the LED X6:6 (green) does not light, the voltage potential is not applied. The fault can be in the current path between terminal X6:2 and the toggle relay (K04), in the toggle relay or in the current path between toggle relay (K04) and terminal X 6:6.

Current flows from terminal X6:6 through the closed contact (K29) of the vibration switch relay to terminal X8:3.

i Note

If the LED (green) X8:3 lights, voltage is applied. K29 has switched.

If the LED X8:3 (green) does not light, no voltage potential is applied. The fault must be in the monitoring board between terminals X6:6 and X8:3 or in the relay for the vibration switch (K29).

Current flows from terminal X8:3 to the vibration solenoid valve (Y07). The solenoid valve will be energized.

i Note

If the LED (red) X8:3 lights, there is a short circuit between the plug cable X8:3 and the vibration solenoid valve (Y07) or in the solenoid valve.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

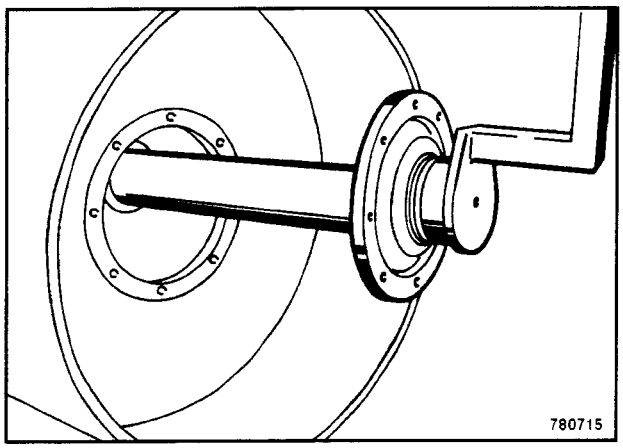


Fig. 13

5. Pull the vibrator shaft (Fig. 13) with the special tool out of the drum.

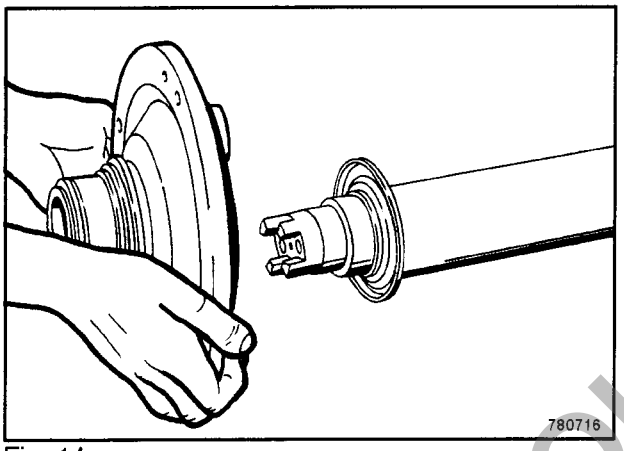


Fig. 14

Disassembling the vibrator shaft

1. Remove the bearing housing (Fig. 14) from the vibrator shaft.

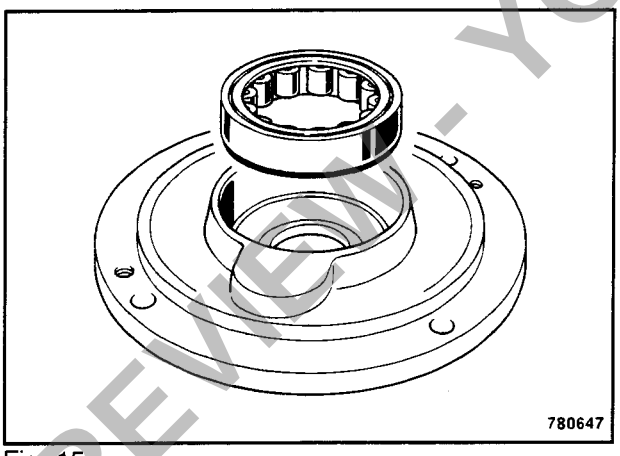


Fig. 15

2. Force the cylinder roller bearing (Fig. 15) out of the bearing housing.

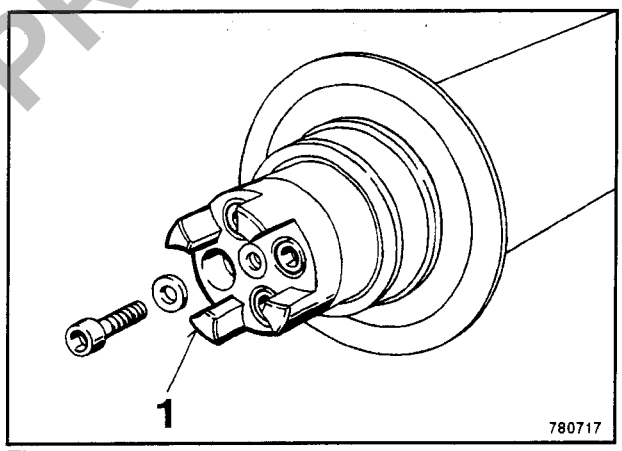


Fig. 16

3. Separate the coupling hub 1 (Fig. 16) from the vibrator shaft.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

- Die Messung erfolgt durch die inneren Bohrungen in der Spannmutter (Fig.33).

- La mesure se fera par les taraudages intérieurs de l'écrou de serrage (Fig.33).

- La medición se efectúa a través de los taladros interiores en la tuerca (fig.33).

14. Eingestellte Spannmutter mit zwei sich gegenüberliegenden Körnerschlägen sichern (Fig.34).

15. Pendelknickgelenk einbauen, siehe Kapitel 06.54.1.

14. L'écrou de serrage réglé sera bloqué maintenant avec 2 coups opposés (Fig.34).

15. Monter l'étrier d'axe à pendule, cf. chapitre 06.54.1.

14. Cuando la tuerca tensora esté ajustada, asegurarla con dos granetazos, uno enfrente del otro (fig.34).

15. Montar la dirección articulada pendular, véase capítulo 06.54.1.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 12 of 162 pages

The full manual includes:

- All 162 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

Bomag BW 125 ADH, BW 135 AD, BW 138 AD Repair Manual

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual