List of contents

Sheet	Discription	Remarks			Date	Written	X
1	List of contents	02	AN 539	29.05.98 Sem	26.05.98	Semlin	
2	ENGINE - SWITCH OFF SERVO CONTROL	02	AN 539	29.05.98 Sem	26.05.98	Semlin	
3	POWER-SYSTEM	02	AN 539	29.05.98 Sem	26.05.98	Semlin	
4	SWITCH / INITIATOR	02	AN 539	29.05.98 Sem	18.05.98	Semlin	
5	SPEED ADJUSTING ACTUATOR	02	AN 539	29.05.98 Sem	26.05.98	Semlin	
6	CAB	02	AN 539	29.05.98 Sem	18.05.98	Semlin	
7	LIGHTING / GRAB ROTATOR	02	AN 539	29.05.98 Sem	18.05.98	Semlin	
8	VALVES / GREASING PUMP	02	AN 539	29.05.98 Sem	26.05.98	Semlin	
9	SPECIAL EQUIPMENT	02	AN 539	29.05.98 Sem	18.05.98	Semlin	
10	TRAVEL-ALARM	02	AN 589	29.05.98 Sem	19.05.98	Semlin	
11	A100X1 - A100X2	02	AN 539	29.05.98 Sem	18.05.98	Semlin	
12	A100X3 - A10X1	02	AN 539	29.05.98 Sem	18.05.98	Semlin	
13	X100 - X101	02	AN 539	29.05.98 Sem	18.05.98	Semlin	
14	X102 - X104	02	AN 539	29.05.98 Sem	18.05.98	Semlin	
15	X105 - X107	02	AN 539	29.05.98 Sem	18.05.98	Semlin	
16	X108 - X115	02	AN 539	29.05.98 Sem	18.05.98	Semlin	
17	X116 - X117	02	AN 539	29.05.98 Sem	18.05.98	Semlin	
18	X12 - XF6 - XF13 - XF20 - X67.1	02	AN 539	29.05.98 Sem	26.05.98	Semlin	
19	X17 - X16	02	AN 539	29.05.98 Sem	18.05.98	Semlin	
20	OVERVIEW-CABLE HARNESSES	02	AN 539	29.05.98 Sem	18.05.98	Semlin	
21	LAYOUT PLAN: FUSES	02	AN 539	29.05.98 Sem	18.05.98	Semlin	

313	31	052	50
Typ	BG	UBG	CH
FX140-270			

Nr.	Änd.-Nr./Change-No	Datum/Date	Name	Bearb./Written	Datum/Date	Name
02	AN 539	29.05.98	Sem	Bearb./Written	07.11.97	B04
01	AN 114	03.02.98	Sem	Bearb./Checked		
				Norm/St.Check		
				Ersatz für/Substitut for		

Benennung/Description

WIRING DIAGRAM

List of contents

Sach-Nr./Part-No 2459343-12

Blatt/Sheet 4

Blätter/Sheets 21

Ers. für/Substitut for

Ers. durch/Substituted

PREVIEW - YOUFIXTHIS.COM

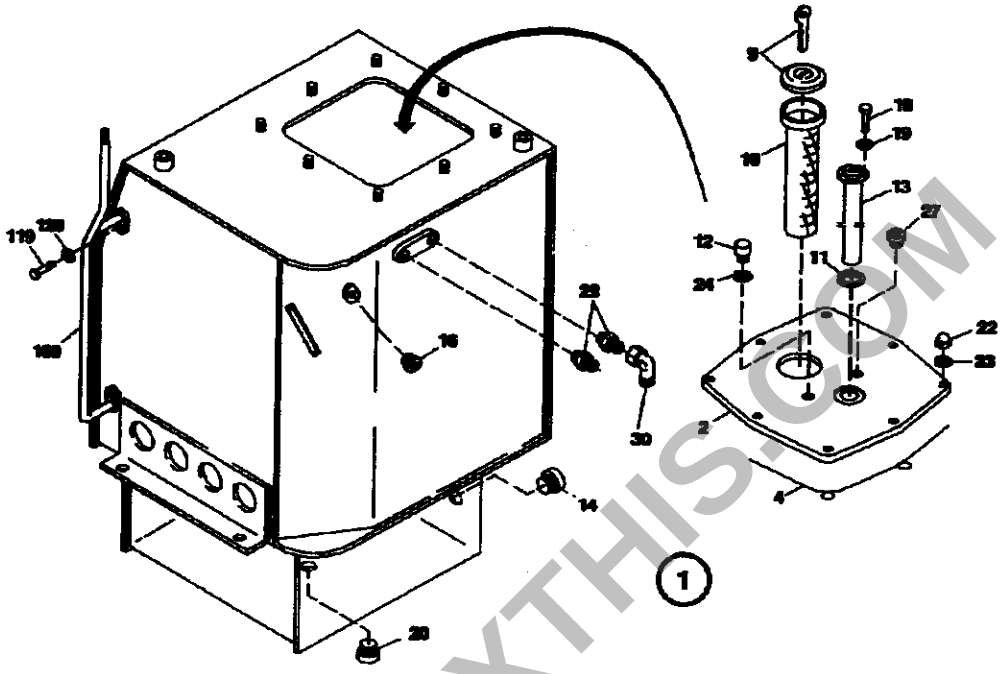
Download full manual at youfixthis.com

Control panel (Fig. 4)

No.	Element	Function	Symbol
1	**Bar-graph display** **Coolant temperature**	indicates the temperature of the coolant: indicator bar in light segment = ok indicator bar in dark segment = working speeds reduced by the POWER-system to lower the engine temperature. (**C** = cool - **H** = hot)	
2	**Indicator** **POWER-system range**	indicates the actual POWER-system mode. HEAVY ECO LIFT	
3	**Multi-functional display**	standard display: time in hours : minutes alternatively: engine revs (RPM = min^{-1}) see: "Display, function (key 18)"	
4	**Bar-graph display** **Fuel reserve**	indicates the fuel reserve. indicator bar in light segment = ok indicator bar in dark segment = refuelling required (**F** = full - **E** = empty)	
5	**Operating-hours meter**	- adds up the hours run of the machine; displays the servicing interval automatically after start-up - indicates fault codes (see: "Table of fault codes")	
6	**Warning lamp**	not used on this machine.	
7	**Warning lamp**	not used on this machine.	
8	**Indicator lamp**	not used on this machine.	
9	**Warning lamp** **Engine oil pressure**	lit up when the engine oil pressure is too low: **shut off engine.**	
10	**Warning lamp** **Hydraulic oil temperature**	lit up when the hydraulic oil temperature is too high: working speed reduced by the POWER-system to allow the hydraulic oil to cool off.	
11	**Warning lamp** **Overload warning system (optional equipment)**	lights up with the activated overload warning system on when the load lifted is too big and the stability of the machine is endangered. In this case, **the load must be reduced.**	

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com



2 782 330.010

FUEL TANK MOUNTING PARTS

10.201

FIATALLIS

FX240 / 227101 - .....

T 2782330 - 000
B 2782330 - 010

Item	Quan.	ME	Part No.	Description
001	1	00	**73175341**	FUEL TANK
002	1	00	**73175342**	LID
004	1,70	13	**73170279**	RUBBER PIPING
009	1	00	**73170690**	CAP
010	1	00	**73170691**	SIEVE
011	1	00	**73175343**	GASKET
012	1	00	**73170694**	FILTER
013	1	00	**73175344**	FUEL LEVEL SENDER
014	1	00	**73170532**	SCREW PLUG
016	1	00	**73170359**	SCREW PLUG
018	6	00	**73170696**	HEXAGON BOLT
019	6	00	**73170185**	DISK/WASHER
020	1	00	**73170699**	SCREW PLUG
022	8	00	**73170282**	CAP NUT
023	8	00	**73170182**	DISK/WASHER
024	1	00	**73170614**	SEALING RING
027	1	00	**73171665**	SCREW PLUG
029	2	00	**73170298**	SOCKET

ME: 00 = Stück/piece 13 = m 26 = m² 39 = m³ 43 = kg 50 = l (litre)

PREVIEW - YOUFIXTHIS.COM
Download full manual at youfixthis.com

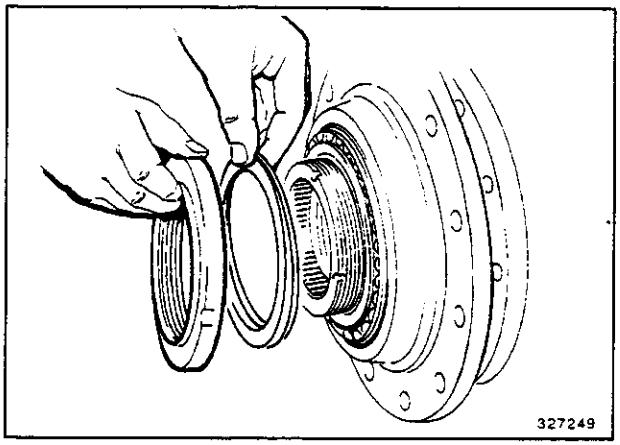


Fig. 45
Screw the slotted round nut with the shim rings onto the axle tube.

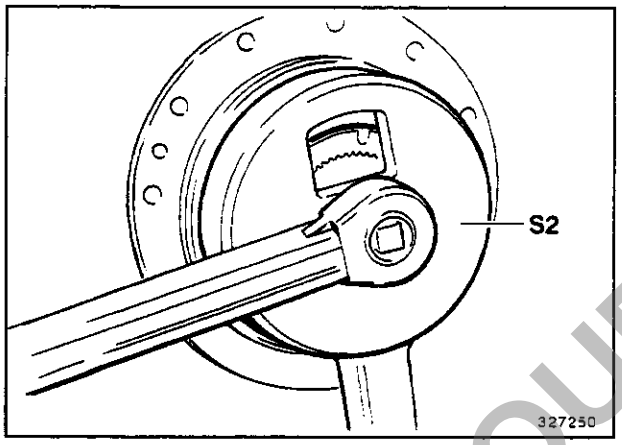


Fig. 46
Apply special spanner S2.
Tighten the slotted round nut until the marks previously made on the slotted round nut and the axle tube, refer to Fig. 29, agree with each other. This can be seen through the window in spanner S2.

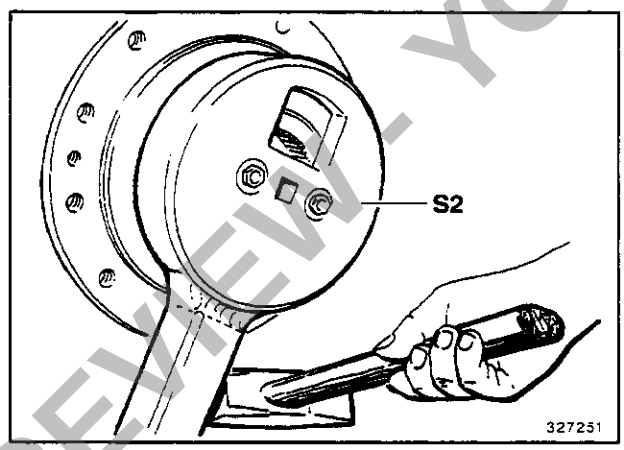


Fig. 47
Drive on the slotted round nut by applying hammer shanks to special spanner S2

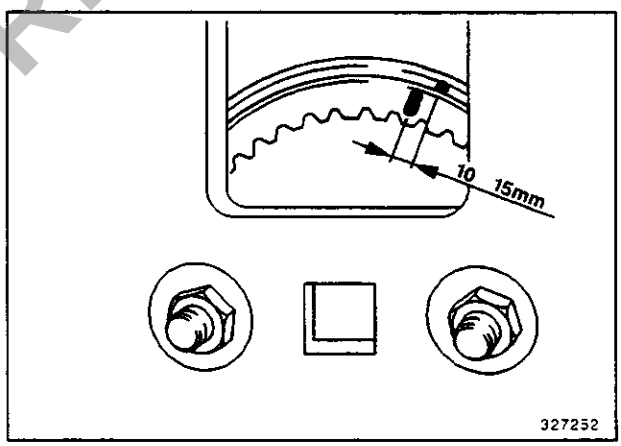


Fig. 48
Until the distance between the marks on the slotted round nut and the axle tube is 10 - 15 mm.
Remove special spanner S2.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Clockwise swinging

Clockwise swinging is done analogously to counter-clockwise swinging.

Counter-rotation

To shorten the braking distance, the servo control lever must be switched to the opposite swinging direction. The switching restrictor valves remain open, i.e. the chamber of the adjusting cylinder is quickly depressurized. The max. braking pressure is limited only by the pressure cutoff. □

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

END POINT	CABLE NO.	℄ mm²	NO.	■ mm²	CABLE NO.	END POINT
A10X1: 14 X117: 3	97 98	0.75 0.75	1	1	98	S10.2
A10X1: 13 X117: 1	107 107.1	0.5 0.5	2	1	107	S10.1
			3			
			4			
			5			
A100X2: 14	29	0.5	6	1	29	S35.1
K7: 85 (OPTIONAL)	335	0.5	7	1	335	S7.1 (OPTIONAL)
			8			
A100X2: 9	24	0.5	9	1	24	S66
S113: 4	179	0.5	10	0.75		Y113
			11			
A100X3: 14 X116: 4	54 54.1	0.5	12	1	54	M7
			13			ENCODING PIN
X117: 2	306	0.75	14			N. C.
X117: 4	307	0.75	15			N. C.

CONNECTION TABLE PLUG/SOCKET **X102** CABLE SET PLATFORM

END POINT	CABLE NO.	℄ mm²	NO.	■ mm²	CABLE NO.	END POINT
A10X1: 2	103	0.5	1	1		Y10
			2			
A100X3: 6	46	0.5	3			Y39 (OPTIONAL)
A100X3: 7	47	0.5	4	0.75		Y63
A100X3: 8	48	0.5	5	0.75		Y35
A100X3: 9	49	0.5	6	0.75		Y35.1
A100X3: 10	50	0.5	7	0.75		Y21.3
			8			
X18: 7	127	0.5	9	0.75		Y37.1
			10			ENCODING PIN
X18: 10	128	0.5	11	0.75		Y37.2
X17: 4	129	0.5	12	0.75		Y39.1
A10X1: 4 A10X1: 4	104 104.1	0.5 0.5	13			N. C.
			14			
			15			

CONNECTION TABLE PLUG/SOCKET **X104** CABLE SET VALVES

PREVIEW - YOUFIXTHIS.COM
Download full manual at youfixthis.com

313	31	052	50						Datum/Date	Name
Typ	BG	UBG	CH	02	AM 539	29.05.98	Sem	Bearb./Written	07.11.97	Semlin
FX140-270				01	AM 114	03.02.98	Sem	Oppr./Checked		
				Ind.	Ind. -nr /Change-no	Datum/Date	Name	Norm/St Check		
								Bearb.Abt./Written department		Urspr./Origin.

Benennung/Description
WIRING DIAGRAM
X102 - X104

Sach-Nr. Part-No **2459343-12**

4 Blatt Sheet 14
F.K. 0.5 mm 21 Blätter Sheets

Ers. für Substitut for | Ers. durch Substitutes

Overload safety system

Programmimg mode submenu

```
PCS -Programming mode-
Equipment data                    : F1
Load limit sensing control        : F2
Motor adjustment                  : F3
Configuration                     : F4
Overload warning system           : F5
Control parameters                : F6
ESC-return
```



PCS programming mode P5
Overload safety system

```
PCS overload safety                                P5

which sensor type is available?
please choose:    switch (digital)
                  sensor (analog)

boom pressure overload warning:  0 bars
ESC back | ↓↑ | selection ENTER
```

Wahl zwischen digital / analog 

dann  für die Wahl

digital.

```
PCS overload safety                                P5

digital sensor programming:

please choose:    1 digital sensor
                  2 digital sensors

are you sure? <1>=yes <0>=no
```

1 or 2 digital sensors? 

then press  to confirm

```
PCS overload safety                                P5

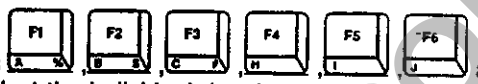
set pressure: - supported      : 0   bar
============= - non supported  : 0   bar

ESC back | F2 list | programming ENTER
```

```
PCS overload safety                                P5
                    abgrest. unabrest
set
====   No entry found

ESC-return | ↓↑ | Enter accept
```

Selection of the configuration and setting pages necessary for PCS programming.

Keys  are used to select the individual data items of the menu in the opposite column where programming is possible.

Mit  returns from all data screens back to the programming mode submenu.

Function: The limit values and the components of the overload safety system are defined by programming the PCS Box accordingly.
Example: Is the element sensing the bbom pressure a pressure-operated switch or a pressure transducer? The pressure-operated switch is factory-adjusted to a specific switching pressure threshold, whereas the pressure transducer simply transmits pressure values which are then compared to a pre-defined limit value. If the transducer value exceeds the limit value, an overload warning is triggered.

analog

```
PCS overload safety                                P5

which sensor type is available?
please choose:    switch (digital)
                  sensor (analog)

boom pressure overload warning:  0 bars
ESC back | ↓↑ | selection ENTER
```

??????????????????????

```
PCS overload safety                                P5

set pressure: - supported      : 1   bar
============= - non supported  : 0   bar

ESC back | F2 list | programming ENTER
```

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

The FIATALLIS operating manual is in 5 sections; the sections are designed for different target groups:

2732689

Operating manual		Target group
Part 1	INTRODUCTION FUNDAMENTAL SAFETY INSTRUCTIONS	Operating personnel + Inspection and servicing personnel + Repair personnel
Part 2	OPERATION	Operating personnel The operating personnel must have know-how relevant to the operation and the application of this or comparable machines.
Part 3	INSPECTION AND SERVICING	Inspection and servicing personnel The inspection and servicing personnel must have know-how relevant to the inspection and servicing of this or comparable machines.
Part 4	REPAIR WORK	Repair personnel The repair personnel must have know-how and experience relevant to the repair of this or comparable machines.
Part 5	ANNEX	Operating personnel + Inspection and servicing personnel + Repair personnel

PREVIEW - YOUFIXTHIS.COM

Copyright by FIATALLIS NORTH AMERICA. Reproduction of the text and illustrations or any part thereof is not permitted.

73175847 (273266501) Issue 2, III-1998

Download full manual at youfixthis.com

Bringing the machine to basic position

2411345

WARNING

Read and observe:
"Travelling - Safety instructions".

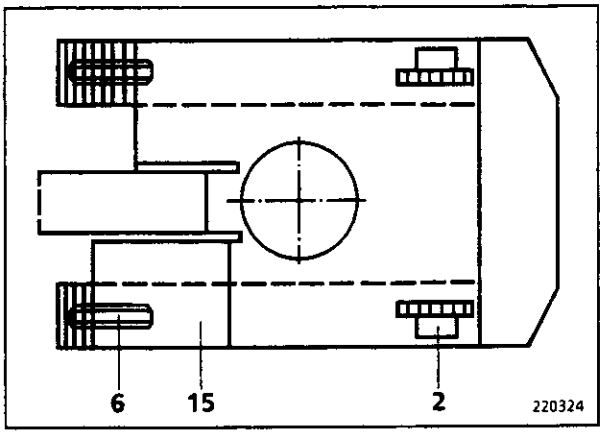


Fig. 1

The machine is in basic position when the cab (15, Fig. 1) is positioned above the lefthand front idler (6).

It is only in this basic position that selected and actual direction of travel are coordinated.

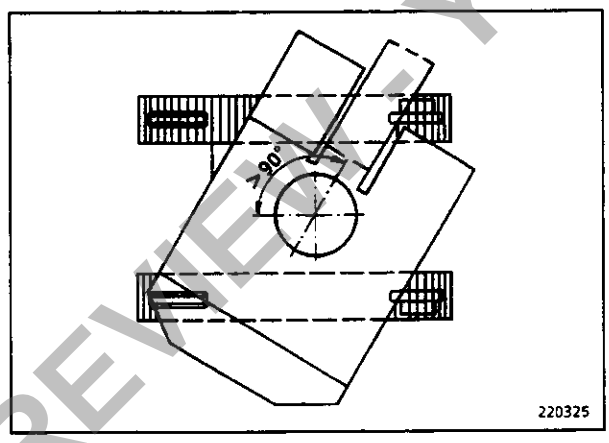


Fig. 2

If the superstructure is swivelled more than 90° from basic position (Fig. 2), the machine travels counter to the selected direction.

If the position of the superstructure in relation to the undercarriage is not exactly known, tap the accelerator lightly to see in which direction the machine moves. Only then should the travelling movement be initiated. □

Selecting direction of travel

2413729

The machine starts moving when the travel pedals (61, 63, Fig. 3) are operated.

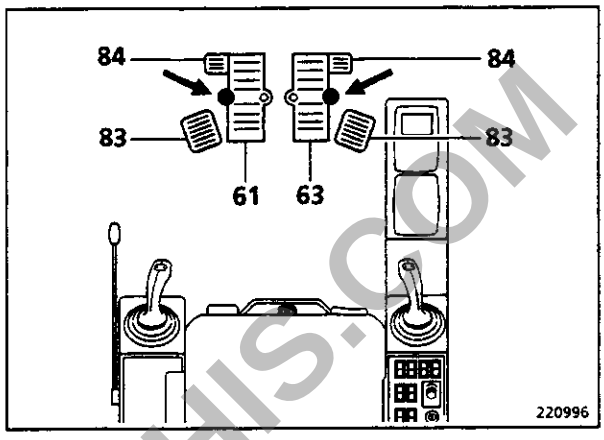


Fig. 3

The drive pedals can be operated:

- with the feet, or
- by hand if the travel levers (arrows, Fig. 3) have been inserted.

Travelling movements can be initiated sensitively if:

- the heels are placed on the foot-rests (83) and if the pedal extensions (84) are depressed with the toes
- if the travelling pedals are actuated with travelling levers.

The information on direction of travel assumes that the machine is in basic position.

- Direction of travel forwards:

  Travel pedals in direction of front idler (6, Fig. 1) = movement in direction of front idler

- Direction of travel reverse:

  Travel pedals in direction of travel gear unit (2) = movement in direction of travel gear unit. □

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Checking the drive belts

2732895

⚠ WARNING

Risk of injury from rotating fan blades and running V-belts.

Switch off the engine before opening the engine compartment.

Risk of burning due to hot parts on engine, exhaust and radiator.

Never begin servicing and repair work until engine, exhaust and radiator have cooled down.

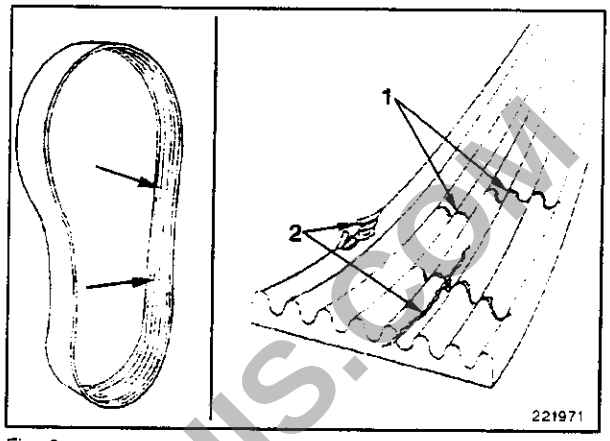
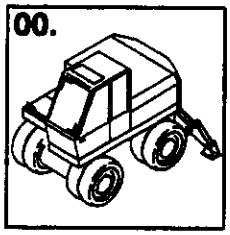


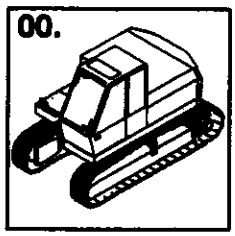
Fig. 3

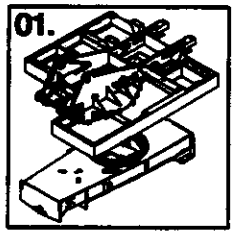
- Open engine compartment.
- Visually inspect the belts.
- Check the belts for intersecting cracks.
  Transverse cracks (1, Fig. 3) are acceptable.
  Cracks in direction of belt length that intersect with traverse cracks are not acceptable (2).
- Replace belt if it is frayed or has pieces of material missing.
  For more information about adjustment and replacement see: "Engine operation and maintenance manual". □

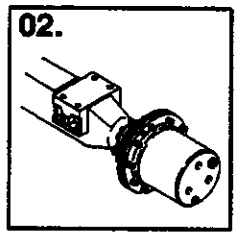
PREVIEW - YOUFIXTHIS.COM

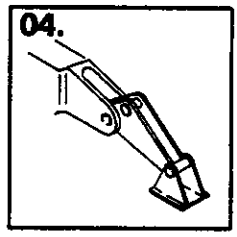
Download full manual at youfixthis.com

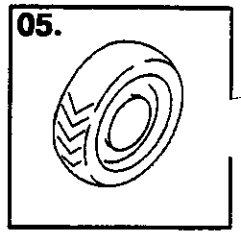


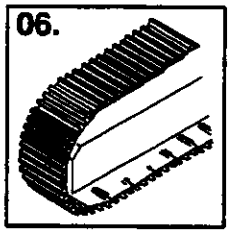


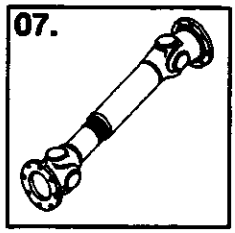


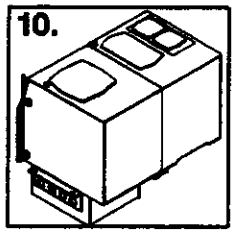


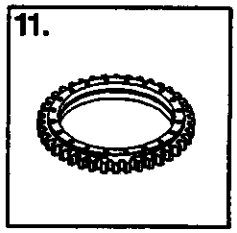


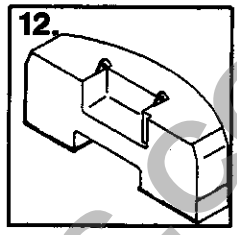


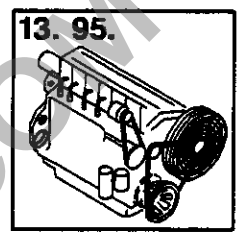


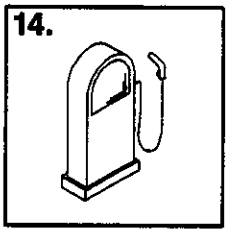


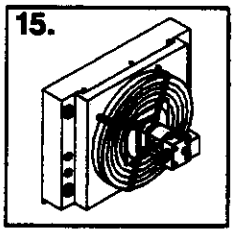


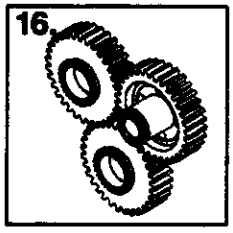


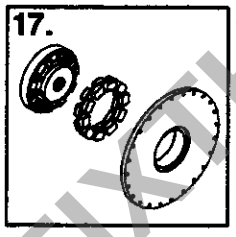


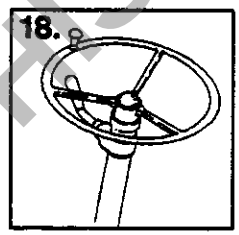


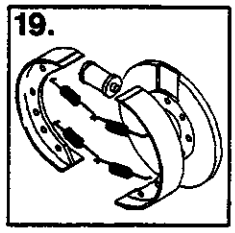


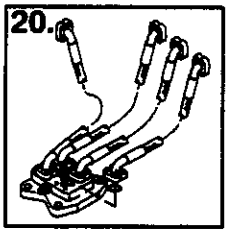


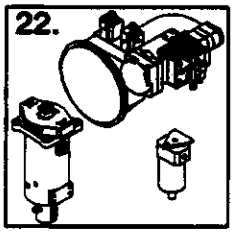


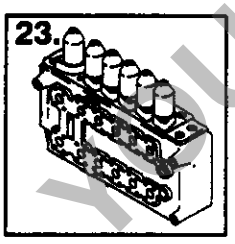


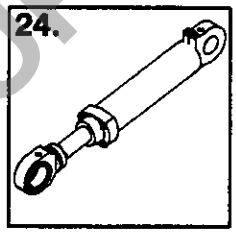


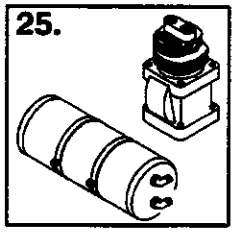


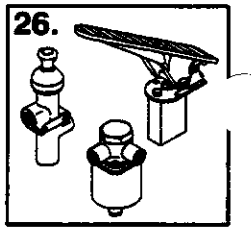


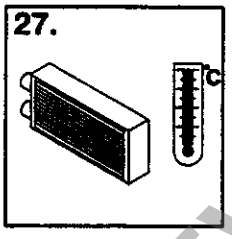


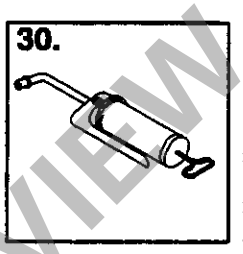


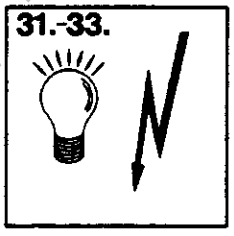


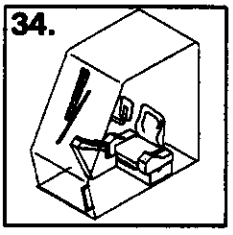


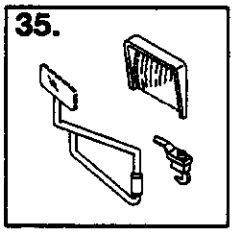


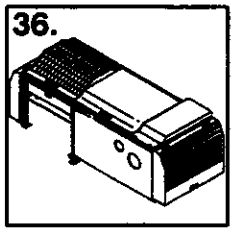


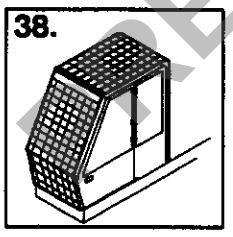


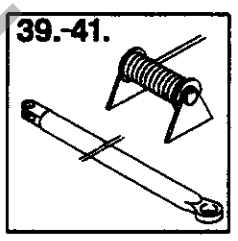


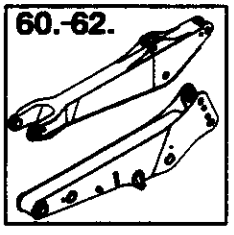


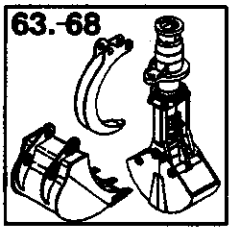


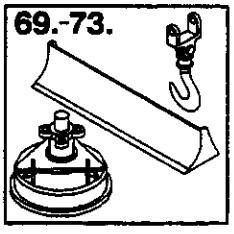


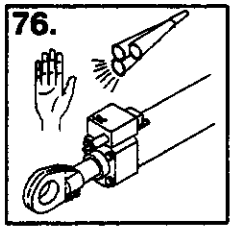


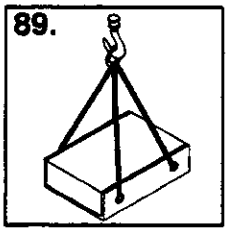


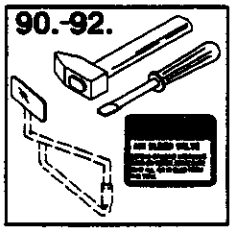








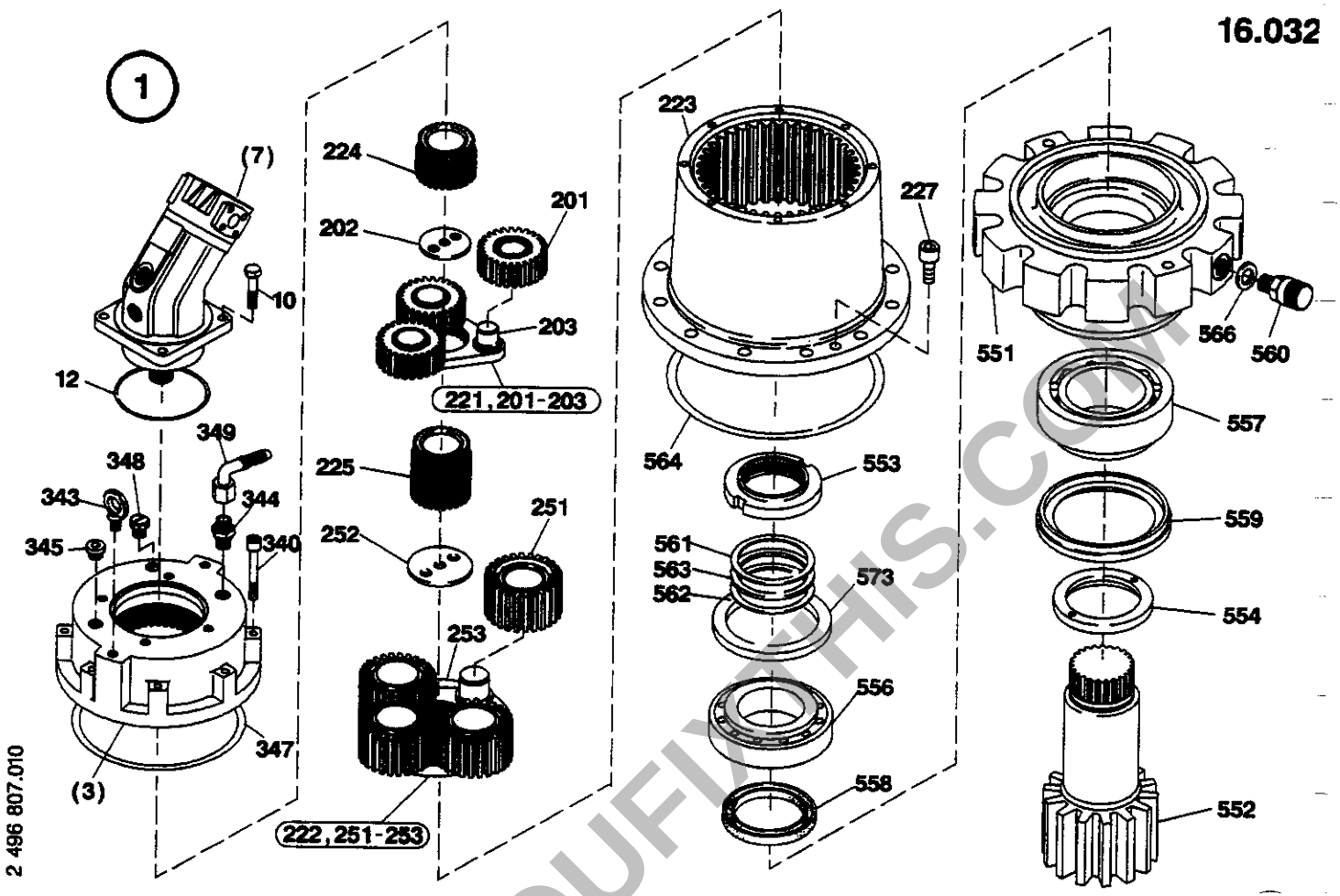






PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com



PREVIEW - YOUFIXTHIS.COM

FIATALLIS

SLEWING GEAR COMPLETE

16.032

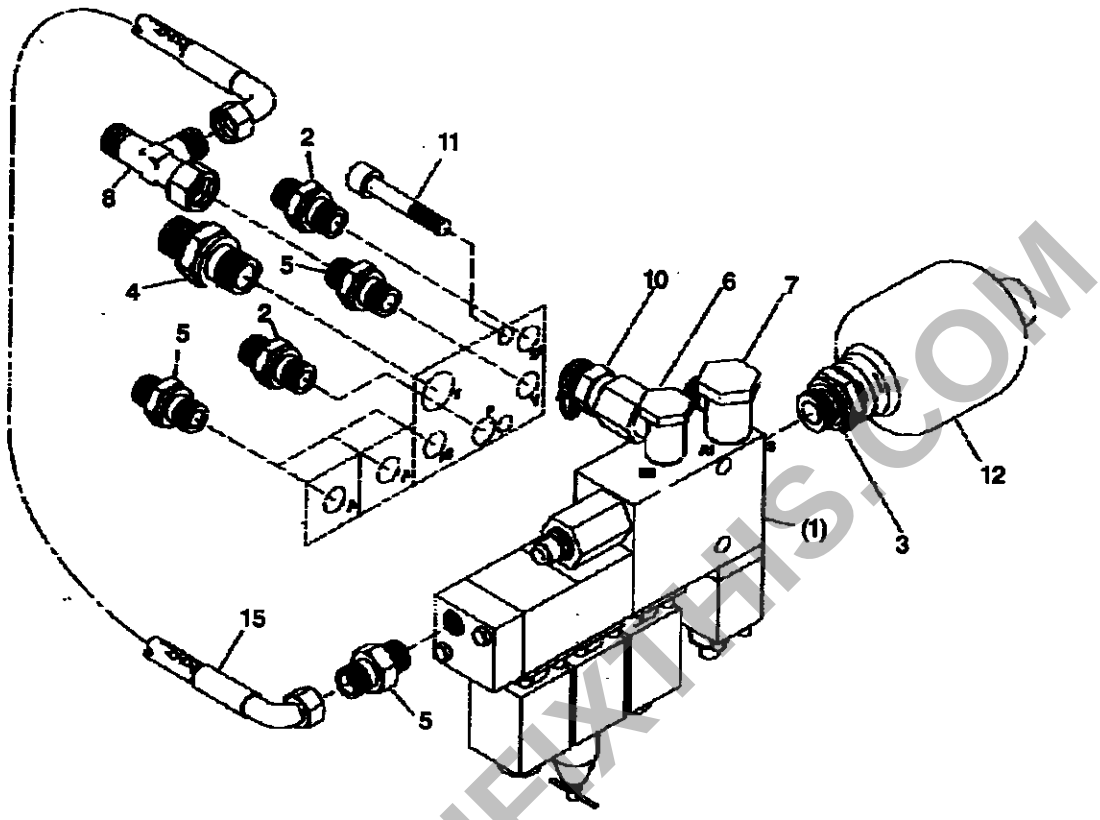
FX240 / 227101 - .....

T 2496807 - 000
B 2496807 - 010

Item	Quan.	ME	Part No.	Description
252	1	00	73170587	DISK/WASHER
253	1	00	73170588	PLANETARY CARRIER
340	12	00	73170593	CYL.HEAD SCREW
343	2	00	73170595	SCREW
344	1	00	73170380	SOCKET
345	1	00	73170359	SCREW PLUG
347	0,77	13	73170596	ROUND STEEL
348	1	00	73170597	SCREW PLUG
349	1	00	73170598	PIPE BEND
551	1	00	73170599	HOUSING
552	1	00	73170600	GEAR PINION
553	1	00	73170601	NUT
554	1	00	73170602	RING
556	1	00	73170603	TAP.ROLLER BEARING
557	1	00	73170604	TAP.ROLLER BEARING
558	1	00	73170605	ROT.SHAFT LIP SEAL
559	1	00	73170606	SEALING RING
560	1	00	73170607	SCREW PLUG

Download full manual at youfixthis.com

ME: 00 = Stück/piece 13 = m 26 = m^2 39 = m^3 43 = kg 50 = l (litre)



2 495 251.010

VALVE INTERCONN. INSTALL.MATERIAL

23.240

FIATALLIS

FX240 / 227101 - 227105

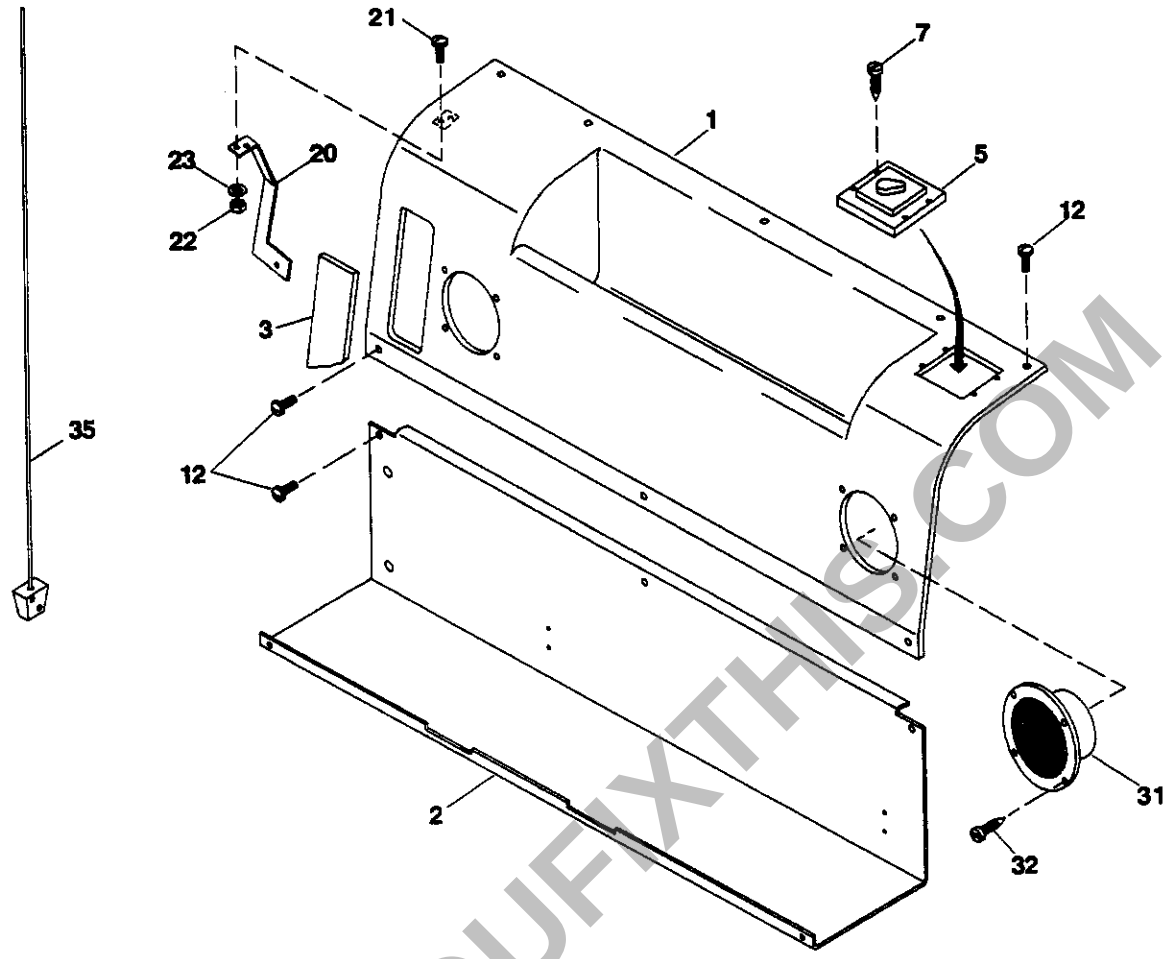
T 2495251 - 000
B 2495251 - 010

Item	Quan.	ME	Part No.	Description
001	1	00		**23.241 2495250** VALVE INTERCONN. MOUNTING PARTS
002	2	00	**73170296**	SOCKET
003	1	00	**73170652**	SOCKET
004	1	00	**73170653**	SOCKET
005	5	00	**73170510**	SOCKET
006	1	00	**73171883**	TUBE FITTING
007	1	00	**73171884**	SCREWING
008	1	00	**73170392**	SOCKET
010	1	00	**73170658**	TUBE FITTING
011	2	00	**73170457**	CYL.HEAD SCREW
012	1	00	**73170659**	RESERVOIR
015	1	00	**73170660**	HOSE

ME: 00 = Stück/piece 13 = m 26 = m^2 39 = m^3 43 = kg 50 = l (litre)

1998-09-10

PREVIEW - YOUFIXTHIS.COM
Download full manual at youfixthis.com



2 496 871.010

RADIO INSTALL.MATERIAL

31.510

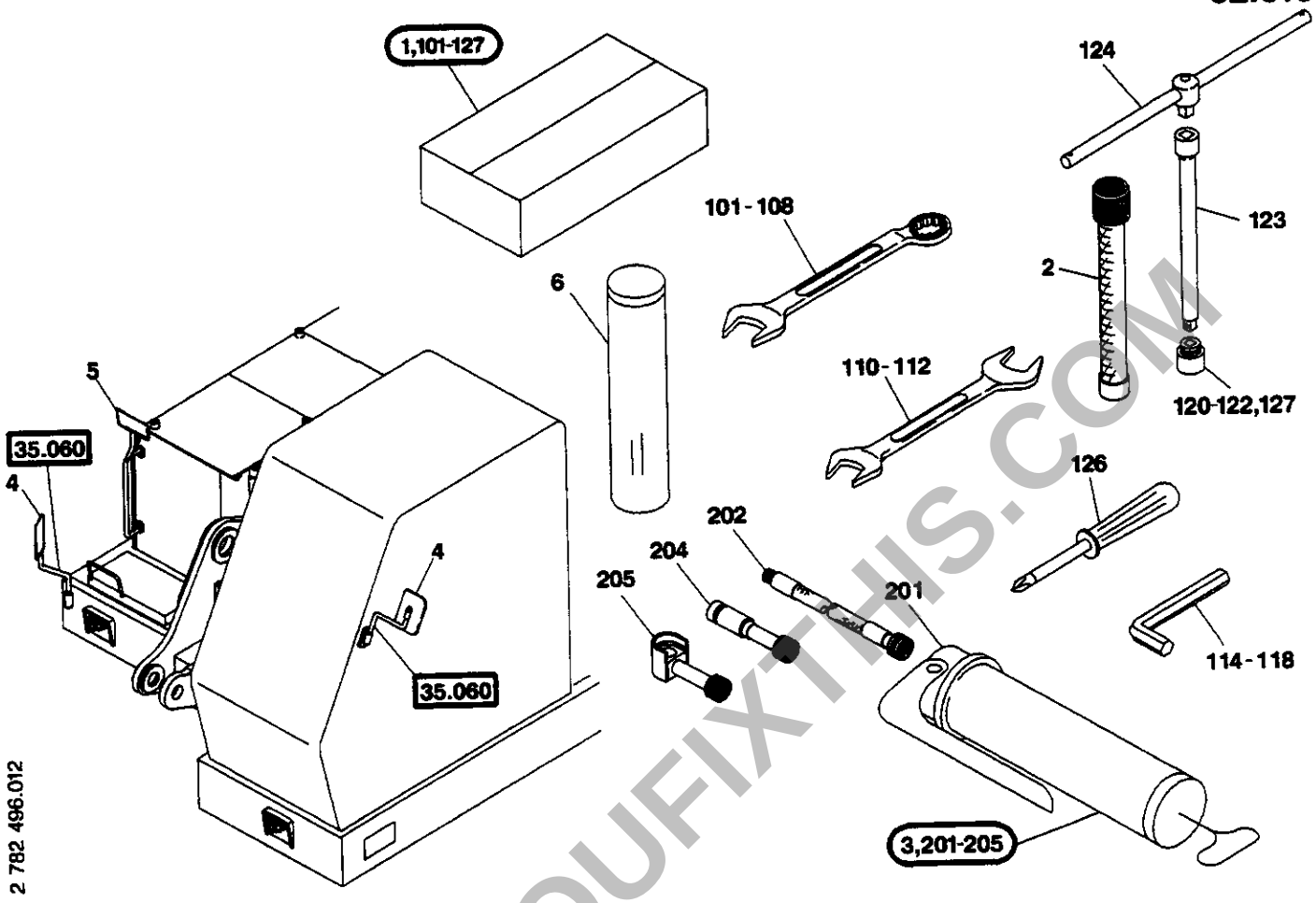
T 2496871 - 000
B 2496871 - 010

FX240 / 227101 - .....

Item	Quan.	ME	Part No.	Description
001	1	00	**73171169**	COMPUTER HOLDER
002	1	00	**73171170**	COVER
003	1	00	**73171171**	BLIND
005	1	00	**73171172**	CONTROL ELEMENT
007	4	00	**73171173**	SELF-TAPPING SCREW
012	10	00	**73171030**	CLAMPING SCREW
020	1	00	**73171174**	BRACKET
021	2	00	**73171030**	CLAMPING SCREW
022	3	00	**73170963**	HEXAGON NUT
023	3	00	**73170834**	DISK/WASHER
031	2	00	**73171175**	BLIND
032	8	00	**73171173**	SELF-TAPPING SCREW
035	1	00	**73171176**	ANTENNA

ME: 00 = Stück/piece 13 = m 26 = m^2 39 = m^3 43 = kg 50 = l (litre)

PREVIEW - YOUFIXTHIS.COM
Download full manual at youfixthis.com



92.010

TOOL SET

FIATALLIS

FX240 / 227101 - .....

T 2782496 - 001
B 2782496 - 012

Item	Quan.	ME	Part No.	Description
120	1	00	**73174524**	INSERT 11X12,5 .
121	1	00	**73176169**	INSERT 13X12,5 .
122	1	00	**73176170**	INSERT 15X12,5 .
123	1	00	**73176171**	EXTENSION 12,5X250 .
124	1	00	**73174521**	HANDLE
126	1	00	**73171013**	SCREW DRIVER B2 .

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

1998-09-10

ME: 00 = Stück/piece 13 = m 26 = m^2 39 = m^3 43 = kg 50 = l (litre)

FIATALLIS®

SERVICE DATA

General

PREVIEW - YOUFIXTHIS.COM

2 441 715.00 de/us

Download full manual at youfixthis.com

Duo-cone seals

2796434

Duo-cone seals (also referred to as steel-on-steel seals) are used as shaft seals. The arrangement of the seal is such that one steel ring, elastically mounted in the fixed component, lies/runs axially against a second steel ring that is also elastically mounted, but this time in the rotating component.

Duo-cone seals are used in the excavator's bottom rollers, support rollers and idlers.

Leakages in such components are usually due to damaged duo-cone seals. In case of leakages, the duo-cone seals are to be changed immediately.

Observe the following points when assembling duo-cone seals:

- The running surfaces "A" of the steel rings (1, Fig. 1) must be completely free of scratches and scores.
  Clean all traces of oil and dust from running surfaces "A" and seating bevels "B".
  All surfaces must be dry and free of rust, slag and scale.

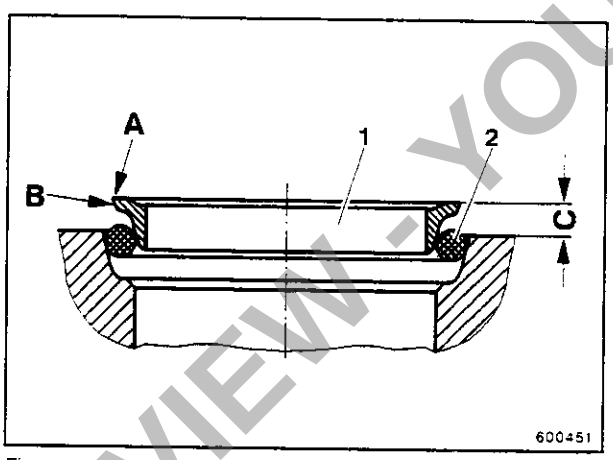


Fig. 1

- Draw rubber seal (2) onto steel ring (1, Fig. 2). The rubber ring (2) is correctly positioned when it sits twist-free parallel to the surface of the steel ring (1).

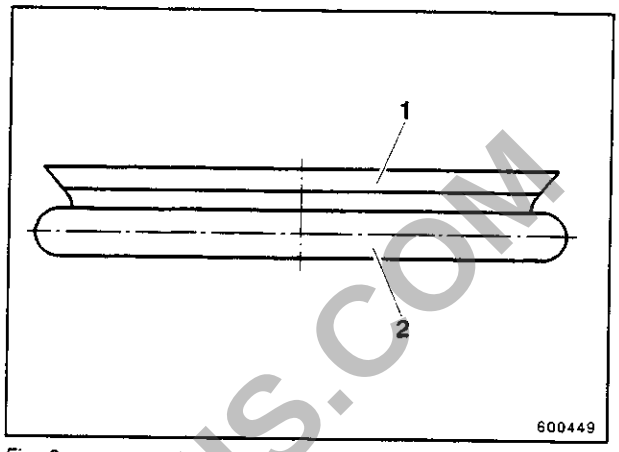


Fig. 2

- Place one complete half (1) and (2) of the duo-cone seal into/onto the rigid component and one complete half into/onto the rotating component (Fig. 3) - but without using any oil. Make sure that distance "C" is equal all the way around the seal.

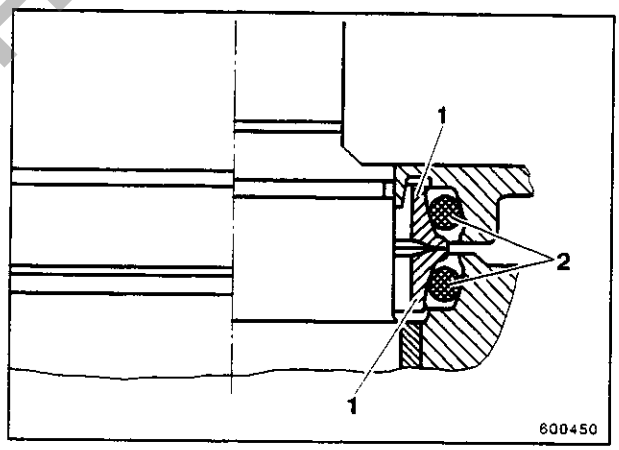


Fig. 3

- Before fitting the two machine components (rigid and rotating) together, carefully wipe the surfaces "A" of the steel rings (1) to remove any foreign bodies or even finger-prints. Then apply a drop of thin oil between the running surfaces, but without allowing oil to get onto the other parts.

⚠ CAUTION

NEVER fit a new half of a duo-cone seal to a used half.

When re-assembling used duocone seals, make sure that pairs that were previously installed together are kept together.

□

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

ANNEX

2796439

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

HYDRAULIC SYSTEM

2796736

Foreword

The "Technical Specifications" manual contains important information for personnel servicing the machine. Machine specifications listed elsewhere in the machine documents are not always repeated in this book.

The documentation includes:

- the operating instructions
- the spare-parts list
- the dimension table with the technical data of the machine.

The present brochure does not contain the specifications of auxiliary units for the operation of additional or optional equipment or the specifications of individual machines.

The refilling quantities specified for consumables are approximate quantities which are intended as a help for planning consumable requirements. Each unit is equipped with a suitable checking devices, e.g. dipstick or checking plugs, permitting the operator to check proper filling of the units.

Safety Instructions

Danger in the event of non-observance of the safety instructions

⚠ WARNING

This hydraulic excavator has been built in accordance with state-of-the-art standards and the recognized safety rules.

However, operating the machine when a fault is suspected or has occurred, or carrying out repair work inexpertly may

- **endanger the lives of persons in contact with it**
- **damage the machine and other property.**

The hydraulic excavator must be stopped immediately when any damage is suspected or occurring, to ensure that the safety of the operator, other persons at the place of use or other material property is not compromised.

All components are carefully coordinated. Trouble-free operation and a long service life can only be achieved with original spare parts.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Assembly

The following chapters describe the dismantling and assembly of hydraulic cylinders

Boss-type, one-piece (Fig. 2)

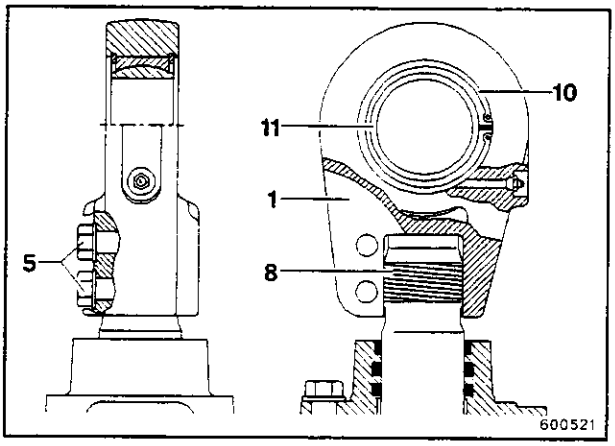


Fig. 2

Dismantling and checking:

- Slacken the screws (5, Fig. 3) and screw the bearing eye slotted on one side (1) off the piston rod (8). To facilitate dismantling, spread the bearing eye halves apart using a wedge.

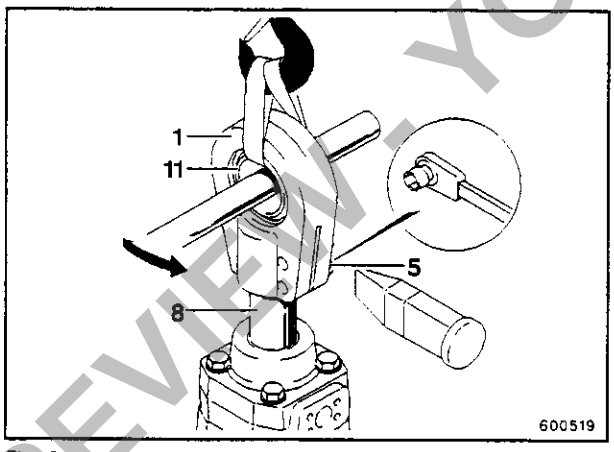


Fig. 3

- Swing out the internal race of pivot bearing (11, Fig. 3 + 4) and turn slowly checking the bearing for play and condition and examining the greasing channels.
- If the pivot bearing (11) needs replacing, remove circlip (10, Fig. 4) by means of special pliers before knocking out the pivot bearing (11) with a suitable mandrel.

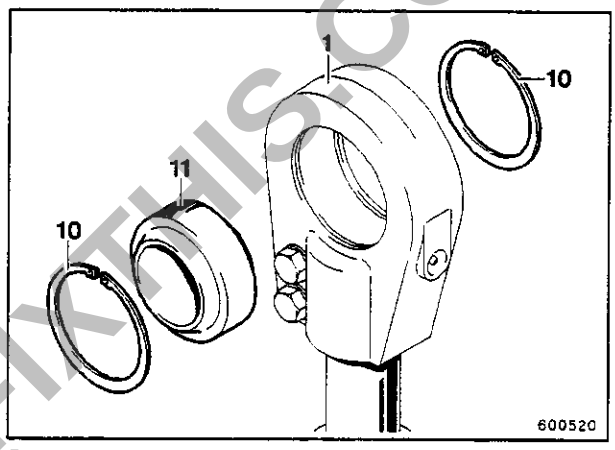


Fig. 4

Assembly:

- If the pivot bearing (11, Fig. 2 + 3) has been removed: refit new bearing as described under "Pivot bearings".
- Apply anti-corrosive P/N 73171467 on the thread and the thread run-out of piston rod (8)
- Fit bearing eye (1) to piston rod (8) and screw down to the limit stop. Tighten by hand only.
- Insert and tighten bolts (5). Tightening torque for hex bolts (see table 1)
- Apply anti-corrosive equally to the exposed threaded ends of the bolts (5) and to the clamping slot of the bearing eye.

Table 1: Bearing tightening torques

Type of cylinder	Type of bolt	Quality	Size	Wrench (mm)	M_A (Nm)	Torque lbft
Boom P/N 73171940	Hexagonal	10.9	M 20	30	490	361
Stick P/N 73171961	Hexagonal	10.9	M 22	32	820	605
Bucket P/N 73171981	Hexagonal	10.9	M 16 x 1,5	24	310	229

PREVIEW - YOUFIXTHIS.COM

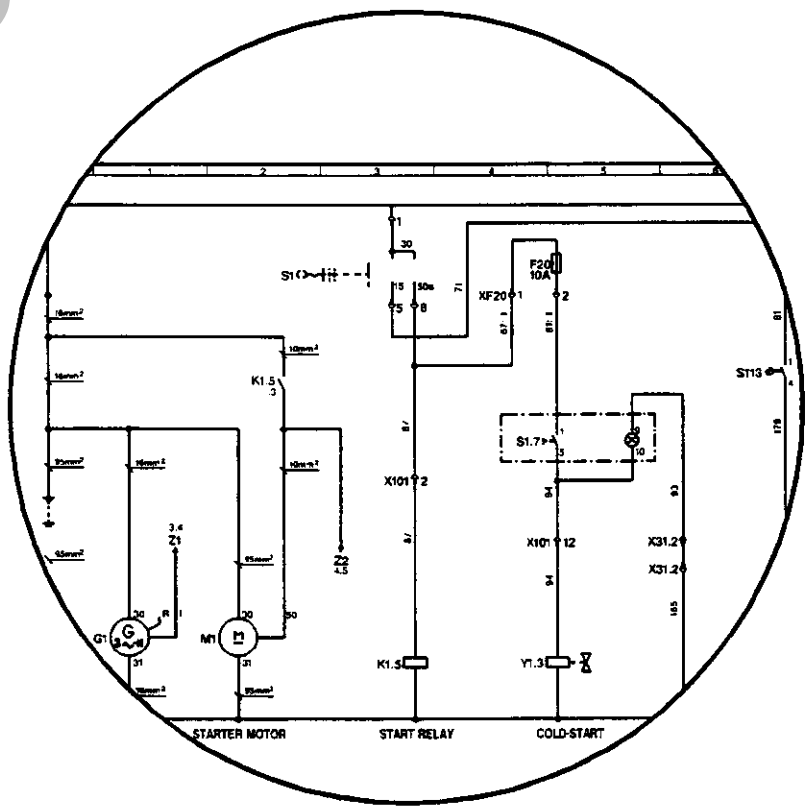
Download full manual at youfixthis.com

FIATALLIS®

Technical Handbook

Automotive electrical systems in construction machinery

Interpretation of wiring diagrams Troubleshooting



PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

2 732 669.00 us

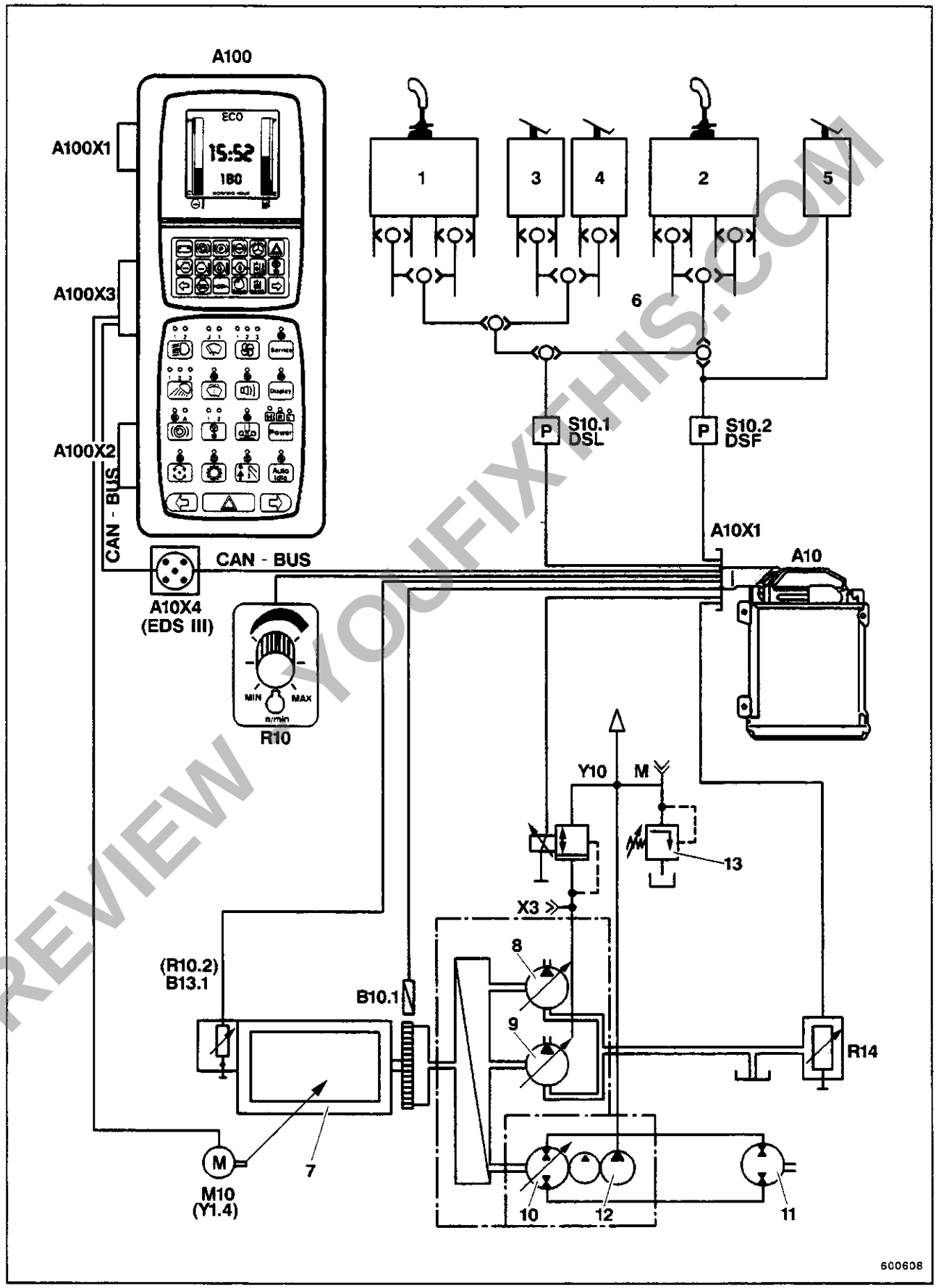
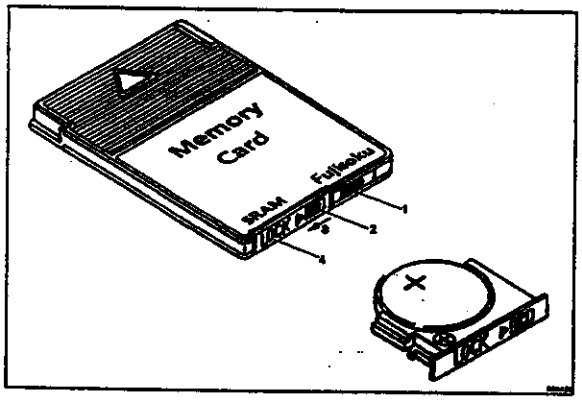


Fig. 3

PREVIEW YOUFIXTHIS.COM

Download full manual at youfixthis.com

RAM Card



1 WP2 write protection 2 Lock button
3 Unlock 4 Slide

RAM Card Battery Error Messages

Battery voltage > 2.37 V and < 2.65 V
Display message:
Batterie state low : Please replace soon
Hit any key to continue

Battery voltage < 2.37 V
Display message:

Batterie empty : Please replace now
Hit any key to continue

If the battery cannot be replaces immediately, press Enter twice. This will start the tester program.

Function: The RAM card holds the program which facilitates the functionality of the tester (EDS version 3.00).
In addition, the log files which may be created during testing and setting work are saved on the RAM card.

To ensure this function, the RAM card has a battery of its own. If this battery fails, you will be able to continue working with the internal program of the EDS tester. The saving of measuring data, however, will then be impossible. For this reason, the RAM card battery will have to be replaced as soon as possible

Battery Replacement

To prevent the RAM card program from getting lost, it is urgently recommended that the following procedure should be kept in case of battery replacement.

Replacement battery: Conventional
BR 2325 type
Panasonic 3 volt battery.

1. With the RAM card inserted into EDS tester, open closing cap
2. Connect mains supply.

   a) Preferably through mains adapter, SN ??????
   oder
   b) connection on excavator.

3. Switch on EDS tester.
4. Unlock RAM card battery compartment (do not extract RAM card).
5. Pull out battery slide.
6. Replace battery (insert lettering side (+) up towards keyboard field and slide)
7. Lock battery compartment.
8. Close cap.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Assembly aids for wedge rings

Pre-assembly device for F-rings

In series assembly, the F-ring should be fitted to the pipe with a pre-assembly device. The relevant operating instructions are therefore to be observed.

Final assembly is direct on the respective machine component, as with manual assembly.

Fig. 1 shows a pre-assembly device, whereby:

1 - Counter ring
2 - Assembly cone
3 - F-ring (wedge ring)
4 - Flange
6 - Pipe

Detailed description - see Appendix.

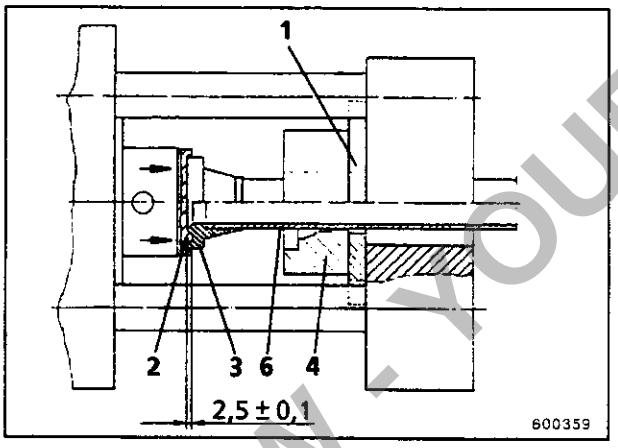


Fig. 1

Inserter for Z-rings

Following tools are required (Fig. 2)

8 - Electro-hydraulic control unit (450 bar) with hoses
9 - Assembly cylinder
10 - Jaws for pipe 50 x 6

A manual pump can also be used instead of the electro-hydraulic unit (8).

Detailed description - see Appendix.

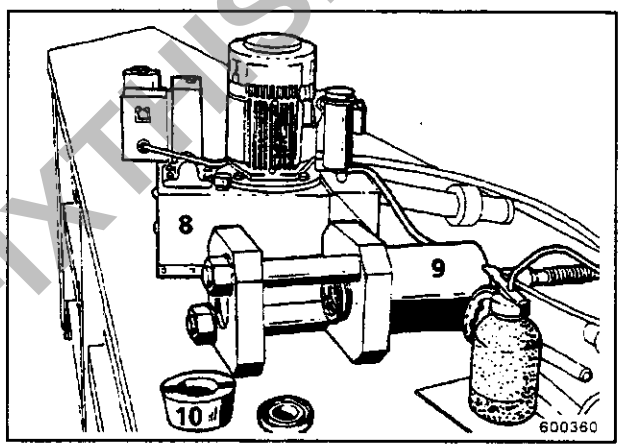


Fig. 2

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

3.7.3.4 Repair of a boom with a salient chord

The top chord of the boom is cracked (arrows, fig. 91).

1. Remove support eye (1, fig. 91).

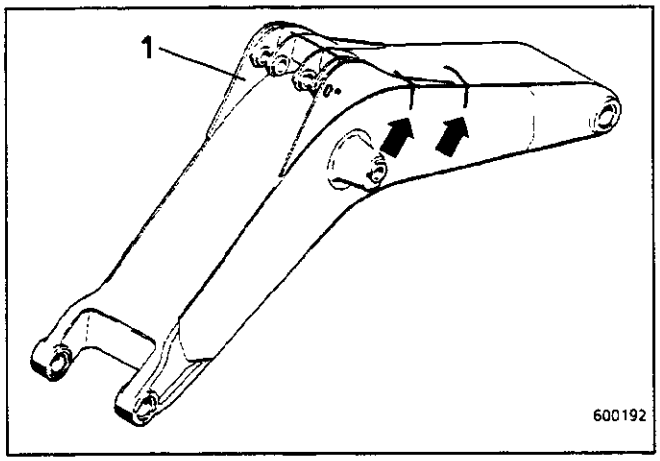


Fig. 91

2. Remove top chord in the area of damage (fig. 92).

   Recommendation: Remove the curved section of the top chord completely.

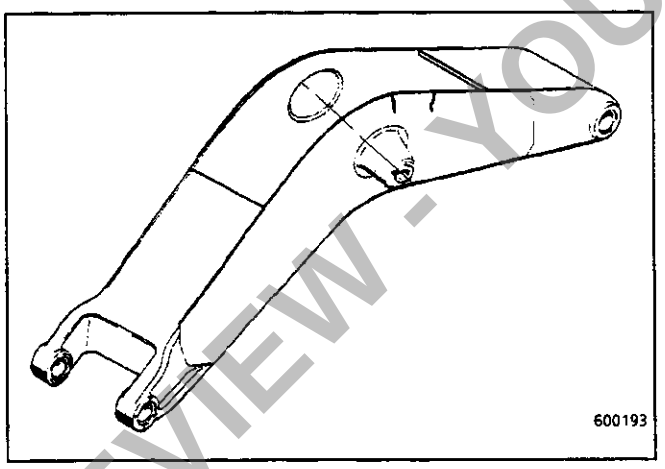


Fig. 92

3. Repair the damage inside the box-type section and in the side walls.

4. Weld on new top chord (fig. 93). Increase plate thickness by 5 to 10 mm.

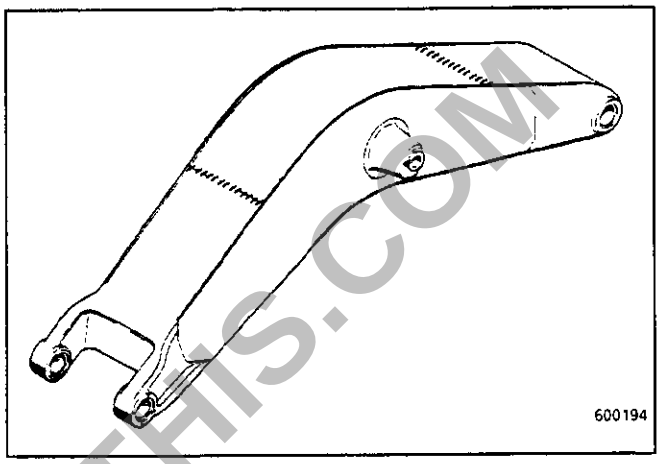


Fig. 93

5. Weld support eye back in place (fig. 94).

   Machining of the severed parts is generally not required if fitting and welding are carried out carefully.

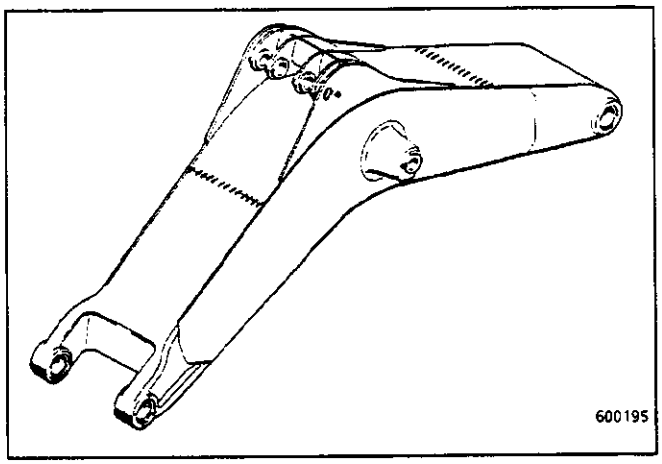


Fig. 94

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 25 of 1243 pages

The full manual includes:

- All 1243 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

FiatAllis FX240, FX240LC Manual Set

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual