Electrical components in circuit diagram

FIATALLIS

FX270 | Circuit diagram No. 270 | T 1287302 - 002 / B 2459343 - 010

Part	Quantity	Description and function	Curr. Path	Location	Part no.
S7.4	1,000	TRAVEL ALARM	10 - 1/80 -	PLATFORM PLATE	
S8.3	1,000	BUTTON BOOSTER	5 - 6/79 -	JOYSTICK,TOP RH	73172618
S9	1,000	SWITCH - INTERIOR LIGHT	5 - 1/84 -	CAB	
W01	1,000	CABLE HARNESS, CONTROL PANEL	20 - 1/20 -	CONTROL PANEL	73171999
W03	1,000	CABLE HARNESS, ENGINE	20 - 1/30 -	SUPERSTRUCTURE	73176070
W04	1,000	CABLE HARNESS, VALVES	20 - 1/40 -	SUPERSTRUCTURE	73173025
W05	1,000	MAIN CABLE SET	20 - 1/50 -	SUPERSTRUCTURE	73173026
W06	1,000	CABLE HARNESS, PLATFORM	20 - 1/60 -	PLATFORM PLATE	73173027
W08	1,000	CABLE BATTERY PLUS	20 - 1/70 -	SUPERSTRUCTURE	73173028
W09	1,000	CABLE HARNESS, STANDARD CAB	20 - 1/80 -	CAB	73172631
W09	1,000	PIPE CLAMP	20 - 1/80 -	CAB	73172632
W09	1,000	SELF-TAPPING SCREW	20 - 1/80 -	CAB	73172633
W15	1,000	CABLE FOR JOYSTICK	20 - 1/90 -	JOYSTICK	73172634
W15	1,000	RECEPTACLE HOUSING	20 - 1/90 -	JOYSTICK	73172635
W15	10,000	MALE CONNECTOR	20 - 1/90 -	JOYSTICK	73172636
W16	1,000	CABLE BATTERY	20 - 4/20 -	BATTERY BOX	73173029
W17	1,000	PLATFORM EARTH CABLE	20 - 4/30 -	PLATFORM	73172000
W18	1,000	HEADLIGHT EARTH CABLE	20 - 4/40 -	BOOM	73172508
W23	1,000	ENGINE EARTH	20 - 4/50 -	ENGINE COMPARTMENT	73173031
W25	1,000	POWER CABLE, WORKING LIGHT	20 - 4/60 -	BOOM	73175150
W81	1,000	CABLE - BATTERY MAIN SWITCH/EARTH	20 - 7/21 -	BATTERY BOX	73175264
W82	1,000	CABLE - BATTERY MINUS/BATTERIY MAIN SWITCH	20 - 7/30 -	BATTERY BOX	73177355
W90	1,000	CABLE SET FUSE COLD STARTING	20 - 7/40 -	CONTROL PANEL	73177291
X10	2,000	B + DISTRIBUTOR	- 0/ 0 -		73170164
X10	1,000	CLIP	- 0/ 0 -		73172640
X20	1,000	CONNECTOR SCREEN WIPER MOTOR	- 0/ 0 -		73172641
X20	3,000	PLUG-IN SLEEVE	- 0/ 0 -		73172642
X31.2	1,000	GROUND TERMINAL SIDE CONSOLE	- 0/ 0 -		73175271
XF20	1,000	PLUG/SOCKET COLD START	- 0/ 0 -		73175272
XF20	1,000	HOUSING	- 0/ 0 -		73175273
XF20	2,000	BUSHING	- 0/ 0 -		73175274
XF20	2,000	MALE CONNECTOR	- 0/ 0 -		73175275
XF6	1,000	PLUG/SOCKET TRAVEL ALARM	- 0/ 0 -		73176061

PREVIEW - YOUFIXTHIS.COM

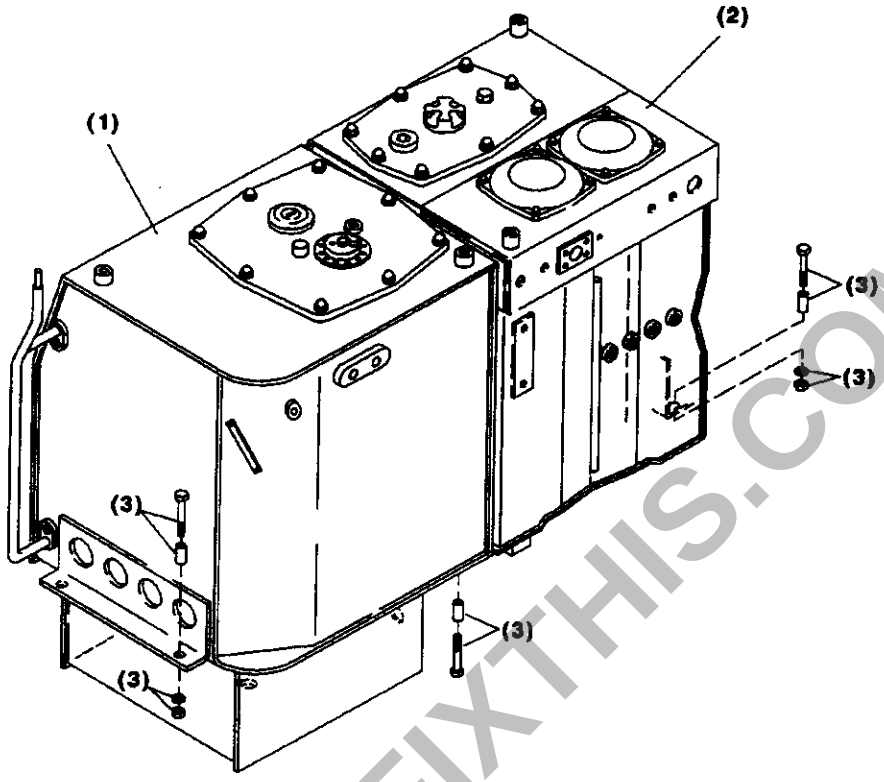
Download full manual at youfixthis.com

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



2 496 783.010

CONTAINER INSTALL.MATERIAL

10.010

FX270 / 40301 - .....

T 2496783 - 000
B 2496783 - 010

Item	Quan.	ME	Part No.	Description
001	1	00		**10.201 2782330** FUEL TANK MOUNTING PARTS
002	1	00		**10.101 2496784** HYD. OIL TANK MOUNTING PARTS
003	1	00		**10.010 2444764** CONTAINER INSTALL.MATERIAL

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

1998-09-11

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

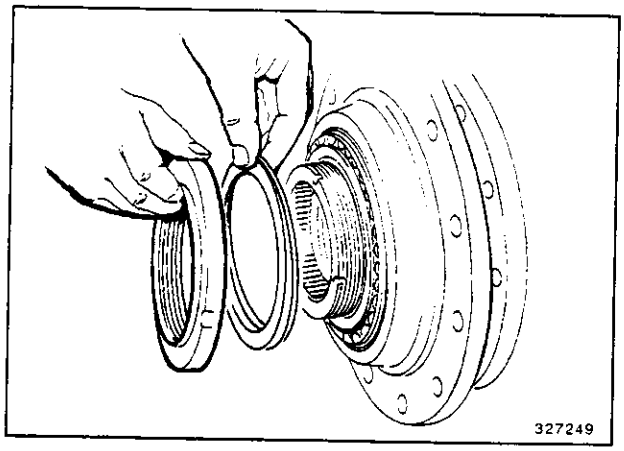


Fig. 45
Screw the slotted round nut with the shim rings onto the axle tube.

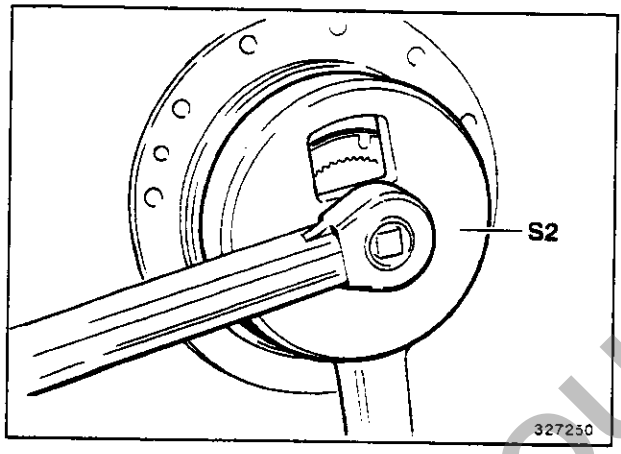


Fig. 46
Apply special spanner S2.
Tighten the slotted round nut until the marks previously made on the slotted round nut and the axle tube, refer to Fig. 29, agree with each other. This can be seen through the window in spanner S2.

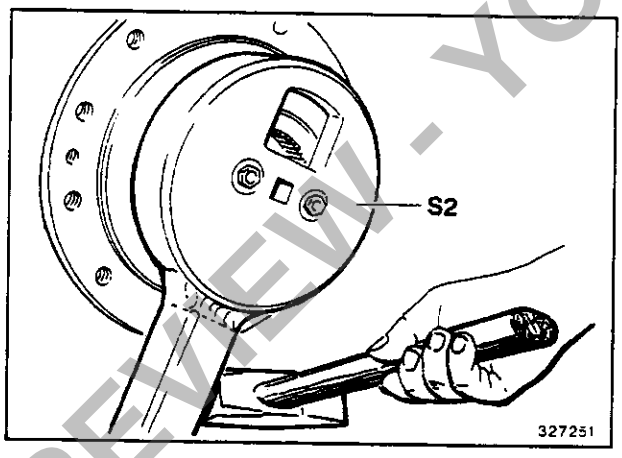


Fig. 47
Drive on the slotted round nut by applying hammer shanks to special spanner S2

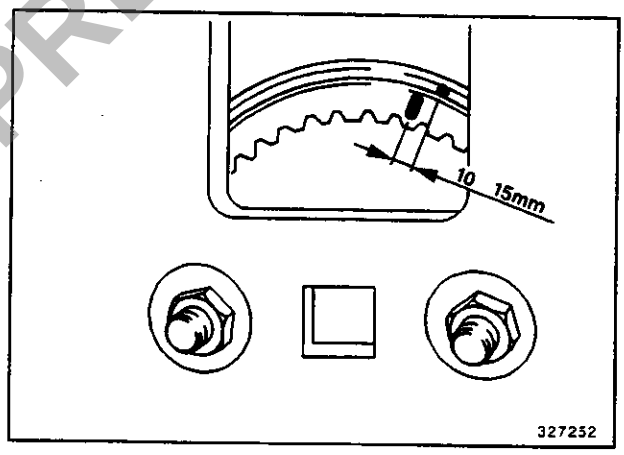


Fig. 48
Until the distance between the marks on the slotted round nut and the axle tube is 10 - 15 mm.
Remove special spanner S2.

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

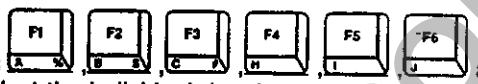
set pressure: - supported      : 0   bar
============= - non supported  : 0   bar

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.

73175848 (273266601) Issue 2, III-1998

Download full manual at youfixthis.com

Bringing the machine to basic position 2411345

WARNING

Read and observe:
"Travelling - Safety instructions".

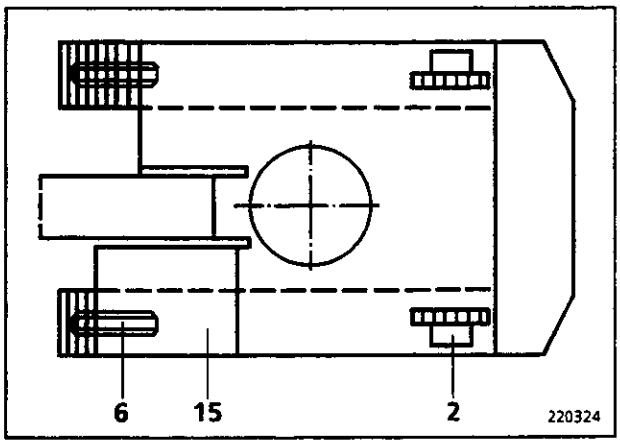


Fig. 1

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.

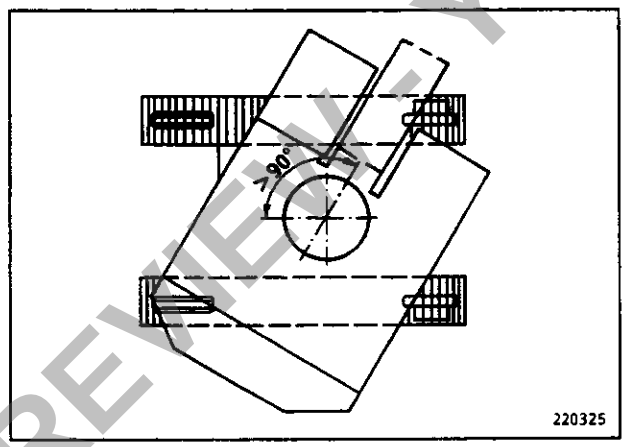


Fig. 2

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.

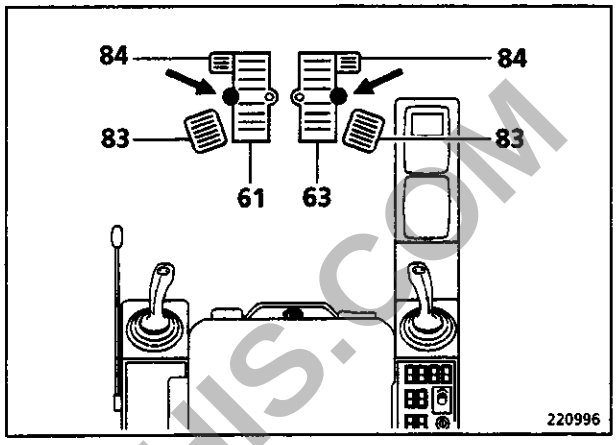


Fig. 3

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 coolant level 2732736

WARNING

Danger of scalding due to hot coolant!

Therefore only screw off the cap of the cooling system when the engine is cold and at a standstill.

- Open engine compartment.

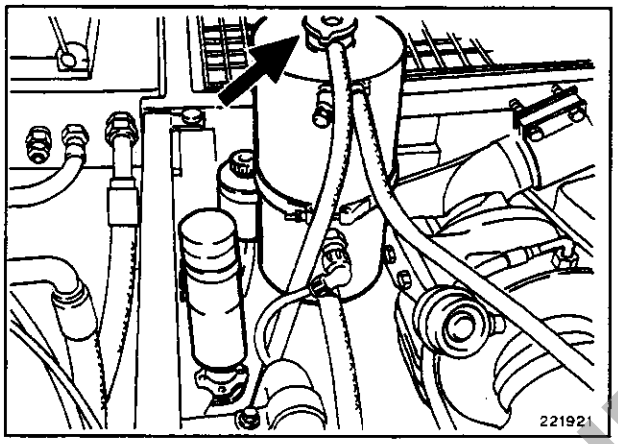


Fig. 4

- Carefully screw off cap (Fig. 4) from filler neck. (Excess pressure is released from cooling system).
- Coolant level must be at the small metal banner inside the filler tube. Top up cooling agent if required.
  (For grade and mixing proportions see: "Engine operation and maintenance manual).
- Screw cap back on. □

AIR-INTAKE SYSTEM 2472228

WARNING

Risk of injury caused by hot or rotating parts of the engine.

Shut off engine before working on the air-intake system.

Read and observe the section "Engine - Safety instructions".

CAUTION

Never start engine when parts of the air-intake system have been detached.

Engine damage may occur if the engine is allowed to draw in unfiltered air.

□

▷

PREVIEW - YOUFIXTHIS.COM

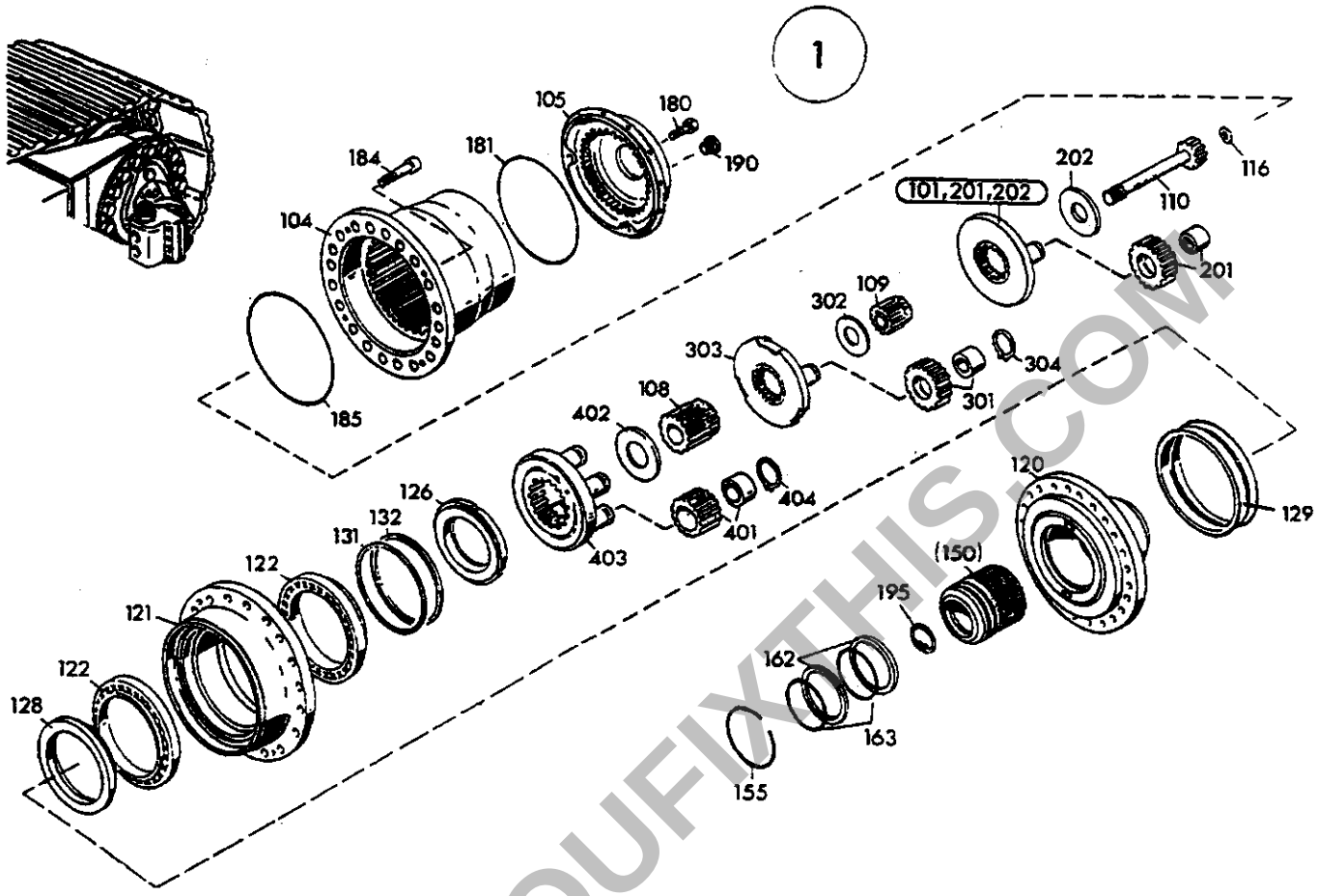
Download full manual at youfixthis.com

TABLE OF CONTENTS / HYDRAULIC EXCAVATOR

Assembly Group	Description	Assembly Group	Description
01 ...	Artic-joint comp.	91 ...	Plates
73 ...	Attachment / other	07 ...	Prop shaft
02 ...	Axles	38 ...	Protect. coachwork
12 ...	Ballast	76 ...	Safety devices
19 ...	Brake system	42 ...	Special equipment
34 ...	Cab module	18 ...	Steering
25 ...	Comp.-air syst., basic machine	04 ...	Support
26 ...	Comp.-air syst., components	00 ...	Survey
94 ...	Consumables	11 ...	Swivel connection
10 ...	Container	92 ...	Tools
15 ...	Cooling system	39 ...	Towing device
17 ...	Coupling, converter	16 ...	Transmission gear
06 ...	Crawler chassis	05 ...	Wheel chassis
33 ...	Electr.drive, components	41 ...	Winches
32 ...	Electr.syst., addition	63 ...	Work.equip. - backhoe
31 ...	Electr.syst., basic machine	62 ...	Work.equip. - bearing
35 ...	Equipment	64 ...	Work.equip. - bucket
14 ...	Fuelling system	66 ...	Work.equip. - grab
30 ...	Greasing system	69 ...	Work.equip. - leveling
27 ...	Heating / ventilat. / air conditioning	60 ...	Work.equip. - load-bearing
20 ...	Hydr.syst., basic machine	70 ...	Work.equip. - load bearing
22 ...	Hydr.syst., components	71 ...	Work.equip. - option
24 ...	Hydr.syst., cylinder	67 ...	Work.equip. - pliers/hammer
23 ...	Hydr.syst., valves	61 ...	Work.equip. - receiving
40 ...	Loading coachwork	68 ...	Work.equip. - ripper
89 ...	Loading / transp. / ass.devic.		
13 ...	Motor		
95 ...	Motor spare parts		
93 ...	Packaging		
90 ...	Paint-finish-preservation		
36 ...	Paneling / cover, insulation mat		

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com



4 523.010

TRAVEL GEAR COMPLETE

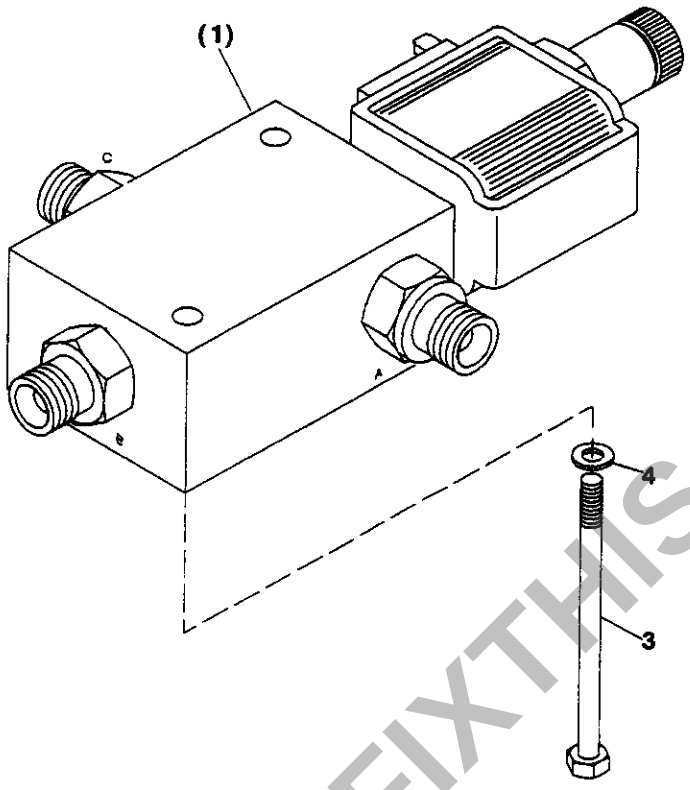
T 2284523 - 001
B 2284523 - 010

FX270 / 40301 - .....

Item	Quan.	ME	Part No.	Description
402	1	00	**73171739**	DISK/WASHER
403	1	00	**73171740**	PLANETARY CARRIER
404	5	00	**73170059**	CIRCLIP

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



2 495 357.010

FIATALLIS

SOLENOID VALVE INSTALL.MATERIAL

23.230

FX270 / 40301 - .....

T 2495357 - 000
B 2495357 - 010

Item	Quan.	ME	Part No.	Description
001	1	00		**23.231 2495356** SOLENOID VALVE MOUNTING PARTS
003	2	00	**73171335**	HEXAGON BOLT
004	4	00	**73170185**	DISK/WASHER

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

1998-09-11

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

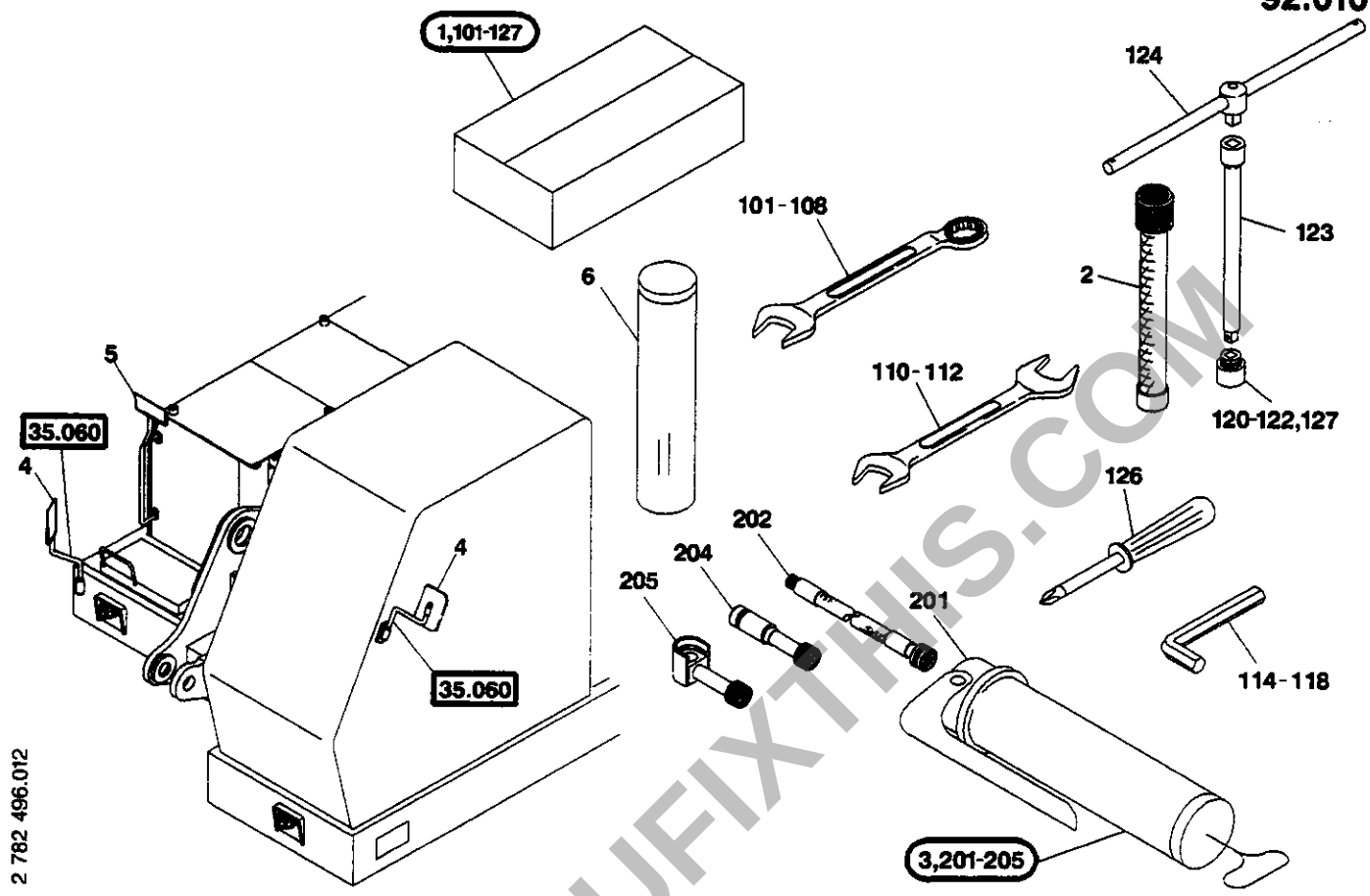
Electrical components in circuit diagram

FX270 | Circuit diagram No. 270 | T 1287302 - 002 | B 2459343 - 010

Part	Quantity	Description and function	Curr. Path	Location	Part no.
XF6	1,000	PLUG-IN SLEEVE	- 0/ 0 -		73176063
XF6	1,000	RECEPTACLE HOUSING	- 0/ 0 -		73176064
XF6	1,000	HOUSING	- 0/ 0 -		73176065
Y1.3	1,000	SOLENOID VALVE COLD START	2 - 4/84 -	ENGINE COMPARTMENT	
Y1.4	1,000	LIFTING MAGNET MOTOR STOP	5 - 4/86 -	ENGINE	
Y10	1,000	PROPOTIONAL VALVE	3 - 0/94 -	VALVE BLOCK	
Y113	1,000	SOLENOID FOR PILOT CONTROL PRESSURE	2 - 6/84 -	PLATFORM PLATE	
Y21.3	1,000	SOLENOID VALVE - 2ND GEAR	8 - 8/90 -	VALVE BLOCK	
Y35	1,000	SOLENOID - SLEWING-GEAR BRAKE	4 - 5/86 -	VALVE BLOCK	
Y35.1	1,000	SOLENOID VALVE - SLEWING	8 - 5/90 -	SUPERSTRUCTURE	
Y37.1	1,000	SOLENOID VALVE - GRAB ROTATOR	7 - 7/85 -	SUPERSTRUCTURE	
Y37.2	1,000	SOLENOID VALVE - GRAB ROTATOR	7 - 9/85 -	SUPERSTRUCTURE	
Y39	1,000	SOLENOID VALVE - SWITCHINGONE TASK CYLINDER / HAMMER	8 - 0/90 -	SUPERSTRUCTURE	
Y39.1	1,000	SOLENOID VALVE - HAMMER	8 - 3/90 -	VALVE BLOCK	
Y63	1,000	POWER BOOSTER	8 - 4/90 -	VALVE BLOCK	

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com



92.010

TOOL SET

FIATALLIS

FX270 / 40301 - .....

T 2782496 - 001
B 2782496 - 012

Item	Quan.	ME	Part No.	Description
112	1	00	**73176164**	KEY 32X36 .
114	1	00	**73171012**	SCREW DRIVER 4 .
115	1	00	**73176165**	SCREW DRIVER 5 .
116	1	00	**73176166**	SCREW DRIVER 6 .
117	1	00	**73176167**	SCREW DRIVER 8 .
118	1	00	**73176168**	SCREW DRIVER 10 .

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

1998-09-11

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

NM	0	1	2	3	4	5	6	7	8	9
4210	3105.127	3105.865	3106.603	3107.340	3108.078	3108.815	3109.553	3110.290	3111.028	3111.765
4220	3112.503	3113.240	3113.978	3114.716	3115.453	3116.191	3116.928	3117.666	3118.404	3119.141
4230	3119.879	3120.616	3121.354	3122.091	3122.829	3123.566	3124.304	3125.042	3125.779	3126.517
4240	3127.254	3127.992	3128.729	3129.467	3130.204	3130.942	3131.679	3132.417	3133.155	3133.892
4250	3134.630	3135.367	3136.105	3136.843	3137.580	3138.318	3139.055	3139.793	3140.530	3141.268
4260	3142.005	3142.743	3143.480	3144.218	3144.956	3145.693	3146.431	3147.168	3147.906	3148.643
4270	3149.381	3150.118	3150.856	3151.594	3152.331	3153.069	3153.806	3154.544	3155.281	3156.019
4280	3156.757	3157.494	3158.232	3158.969	3159.707	3160.444	3161.182	3161.919	3162.657	3163.395
4290	3164.132	3164.870	3165.607	3166.345	3167.083	3167.820	3168.558	3169.295	3170.033	3170.770
4300	3171.508	3172.245	3172.983	3173.720	3174.458	3175.196	3175.933	3176.671	3177.408	3178.146
4310	3178.883	3179.621	3180.358	3181.096	3181.833	3182.571	3183.309	3184.046	3184.784	3185.521
4320	3186.259	3186.997	3187.734	3188.472	3189.209	3189.947	3190.684	3191.422	3192.159	3192.897
4330	3193.635	3194.372	3195.110	3195.847	3196.585	3197.322	3198.060	3198.798	3199.535	3200.273
4340	3201.010	3201.748	3202.485	3203.223	3203.960	3204.698	3205.436	3206.173	3206.911	3207.648
4350	3208.386	3209.123	3209.861	3210.598	3211.336	3212.073	3212.811	3213.549	3214.286	3215.024
4360	3215.761	3216.499	3217.237	3217.974	3218.712	3219.449	3220.187	3220.924	3221.662	3222.399
4370	3223.137	3223.875	3224.612	3225.350	3226.087	3226.825	3227.562	3228.300	3229.037	3229.775
4380	3230.512	3231.250	3231.988	3232.725	3233.463	3234.200	3234.938	3235.676	3236.413	3237.151
4390	3237.888	3238.626	3239.363	3240.101	3240.838	3241.576	3242.313	3243.051	3243.789	3244.526
4400	3245.264	3246.001	3246.739	3247.477	3248.214	3248.952	3249.689	3250.427	3251.164	3251.902
4410	3252.639	3253.377	3254.115	3254.852	3255.590	3256.327	3257.065	3257.802	3258.540	3259.277
4420	3260.015	3260.752	3261.490	3262.228	3262.965	3263.703	3264.440	3265.178	3265.916	3266.653
4430	3267.391	3268.128	3268.866	3269.603	3270.341	3271.078	3271.816	3272.553	3273.291	3274.029
4440	3274.766	3275.504	3276.241	3276.979	3277.716	3278.454	3279.191	3279.929	3280.667	3281.404
4450	3282.142	3282.879	3283.617	3284.354	3285.092	3285.830	3286.567	3287.305	3288.042	3288.780
4460	3289.517	3290.255	3290.992	3291.730	3292.468	3293.205	3293.943	3294.680	3295.418	3296.156
4470	3296.893	3297.631	3298.368	3299.106	3299.843	3300.581	3301.318	3302.056	3302.793	3303.531
4480	3304.269	3305.006	3305.744	3306.481	3307.219	3307.956	3308.694	3309.431	3310.169	3310.906
4490	3311.644	3312.382	3313.119	3313.857	3314.594	3315.332	3316.070	3316.807	3317.545	3318.282
4500	3319.020	3319.757	3320.495	3321.232	3321.970	3322.708	3323.445	3324.183	3324.920	3325.658
4510	3326.395	3327.133	3327.870	3328.608	3329.346	3330.083	3330.821	3331.558	3332.296	3333.033
4520	3333.771	3334.509	3335.246	3335.984	3336.721	3337.459	3338.196	3338.934	3339.671	3340.409
4530	3341.146	3341.884	3342.622	3343.359	3344.097	3344.834	3345.572	3346.310	3347.047	3347.785
4540	3348.522	3349.260	3349.997	3350.735	3351.472	3352.210	3352.948	3353.685	3354.423	3355.160
4550	3355.898	3356.635	3357.373	3358.110	3358.848	3359.585	3360.323	3361.061	3361.798	3362.536
4560	3363.273	3364.011	3364.749	3365.486	3366.224	3366.961	3367.699	3368.436	3369.174	3369.911
4570	3370.649	3371.386	3372.124	3372.862	3373.599	3374.337	3375.074	3375.812	3376.550	3377.287
4580	3378.025	3378.762	3379.500	3380.237	3380.975	3381.712	3382.450	3383.187	3383.925	3384.663
4590	3385.400	3386.138	3386.875	3387.613	3388.350	3389.088	3389.825	3390.563	3391.301	3392.038
4600	3392.776	3393.513	3394.251	3394.989	3395.726	3396.464	3397.201	3397.939	3398.676	3399.414
4610	3400.151	3400.889	3401.626	3402.364	3403.102	3403.839	3404.577	3405.314	3406.052	3406.789
4620	3407.527	3408.264	3409.002	3409.740	3410.477	3411.215	3411.952	3412.690	3413.427	3414.165
4630	3414.903	3415.640	3416.378	3417.115	3417.853	3418.590	3419.328	3420.065	3420.803	3421.541
4640	3422.278	3423.016	3423.753	3424.491	3425.229	3425.966	3426.704	3427.441	3428.179	3428.916
4650	3429.654	3430.391	3431.129	3431.866	3432.604	3433.342	3434.079	3434.817	3435.554	3436.292
4660	3437.029	3437.767	3438.504	3439.242	3439.979	3440.717	3441.455	3442.192	3442.930	3443.667
4670	3444.405	3445.143	3445.880	3446.618	3447.355	3448.093	3448.830	3449.568	3450.305	3451.043
4680	3451.781	3452.518	3453.256	3453.993	3454.731	3455.468	3456.206	3456.943	3457.681	3458.419
4690	3459.156	3459.894	3460.631	3461.369	3462.106	3462.844	3463.582	3464.319	3465.057	3465.794
4700	3466.532	3467.269	3468.007	3468.744	3469.482	3470.219	3470.957	3471.695	3472.432	3473.170
4710	3473.907	3474.645	3475.383	3476.120	3476.858	3477.595	3478.333	3479.070	3479.808	3480.545
4720	3481.283	3482.021	3482.758	3483.496	3484.233	3484.971	3485.708	3486.446	3487.183	3487.921
4730	3488.658	3489.396	3490.134	3490.871	3491.609	3492.346	3493.084	3493.822	3494.559	3495.297
4740	3496.034	3496.772	3497.509	3498.247	3498.984	3499.722	3500.459	3501.197	3501.935	3502.672
4750	3503.410	3504.147	3504.885	3505.622	3506.360	3507.098	3507.835	3508.573	3509.310	3510.048
4760	3510.785	3511.523	3512.260	3512.998	3513.736	3514.473	3515.211	3515.948	3516.686	3517.423
4770	3518.161	3518.898	3519.636	3520.374	3521.111	3521.849	3522.586	3523.324	3524.062	3524.799
4780	3525.537	3526.274	3527.012	3527.749	3528.487	3529.224	3529.962	3530.699	3531.437	3532.175
4790	3532.912	3533.650	3534.387	3535.125	3535.862	3536.600	3537.337	3538.075	3538.813	3539.550
4800	3540.288	3541.025	3541.763	3542.500	3543.238	3543.976	3544.713	3545.451	3546.188	3546.926
4810	3547.663	3548.401	3549.138	3549.876	3550.614	3551.351	3552.089	3552.826	3553.564	3554.302
4820	3555.039	3555.777	3556.514	3557.252	3557.989	3558.727	3559.464	3560.202	3560.939	3561.677
4830	3562.415	3463.152	3563.890	3564.627	3565.365	3566.102	3566.840	3567.577	3568.315	3569.052
4840	3569.790	3570.528	3571.265	3572.003	3572.740	3573.478	3574.216	3574.953	3575.691	3576.428
4850	3577.166	3577.903	3578.641	3579.378	3580.116	3580.854	3581.591	3582.329	3583.066	3583.804
4860	3584.541	3585.279	3586.016	3586.754	3587.492	3588.229	3588.967	3589.704	3590.442	3591.179
4870	3591.917	3592.655	3593.392	3594.130	3594.867	3595.605	3596.342	3597.080	3597.817	3598.555
4880	3599.292	3600.030	3600.768	3601.505	3602.243	3602.980	3603.718	3604.456	3605.193	3605.931
4890	3606.668	3607.406	3608.143	3608.881	3609.618	3610.356	3611.094	3611.831	3612.569	3613.306
4900	3614.044	3614.781	3615.519	3616.256	3616.994	3617.731	3618.469	3619.207	3619.944	3620.682

PREVIEW YOUFIXTHIS.COM

Download full manual at youfixthis.com

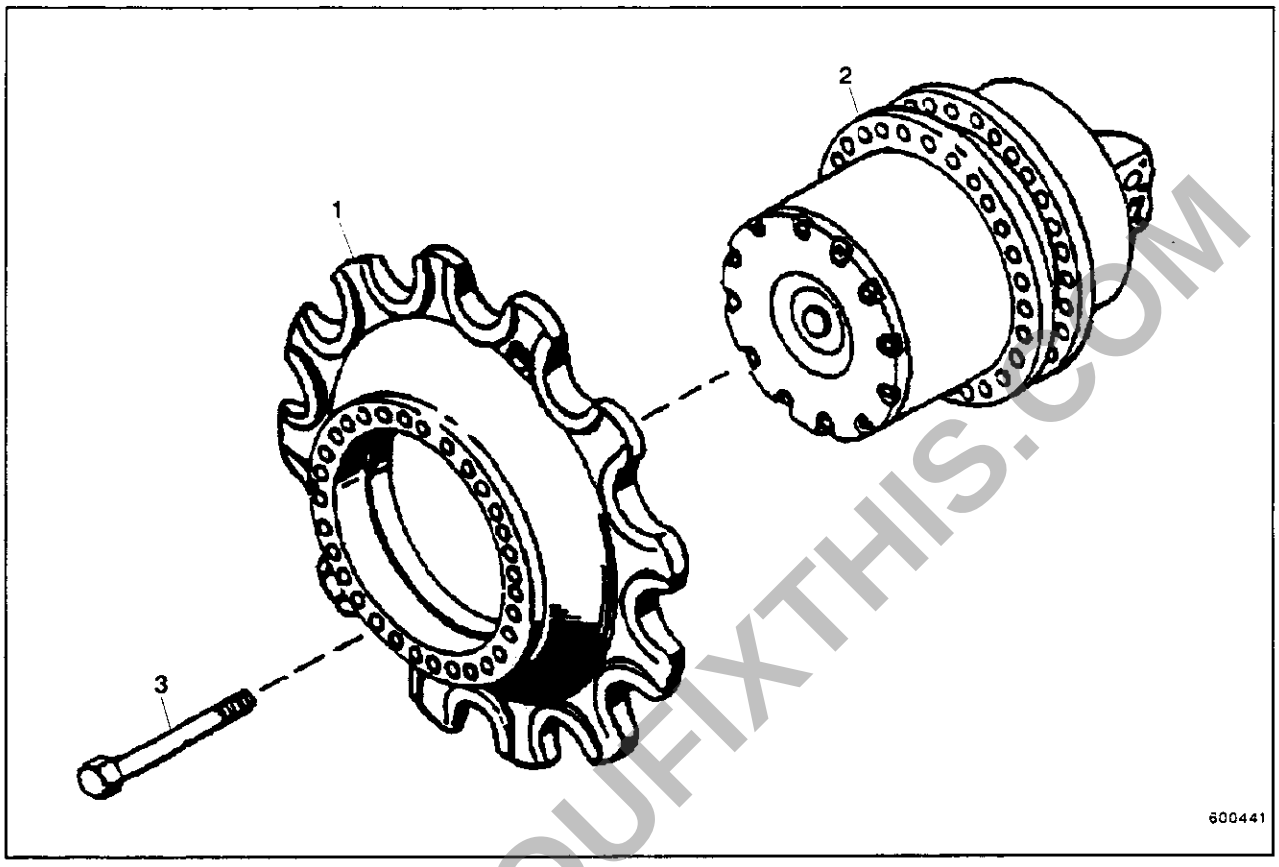


Fig. 1

Components of the sprocket (Fig. 1)

Item	Quan.	Description	Weight kg / lb lb	Torque				
				Thread size	Material grade	Wrench size mm	M_A Nm	Torque lbft.
1	1	Sprocket	80 / 176					
2	2	Travel gearbox	250 / 551					
3	20	Hex. bolt		M 20 x 1,5	10.9	30	640	472

□

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

ANNEX

2796439

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Troubleshooting, instructions 77

Layout of the troubleshooting table

Troubleshooting guide 78

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Components for boom, stick and bucket cylinders (Fig. 1)

Item	Quantity	Designation
1	1	Bearing eye
2		-
3		-
4		-
5	2	Fastening screw for bearing eye
6	see spare-parts list	Fastening screw for bushing
7	1	Rod guide
8	1	Piston rod with piston
9	1	Dampener at piston
10	4	Circlip for pivot bearing
11	2	Pivot bearing
12	1	Wiper
13	1	Wiper

Item	Quantity	Designation
14	1	Lip seal
15		Fitting paste P/N 73171461 for items 12, 13, 14, 16
16	1	Lip seal
17	1	Guide ring
18	1	Backing ring
19	1	O-ring
20	3	Guide ring
21	1	OK piston seal
A		Pivot bearing gap (gap perpendicular to the direction of forces)

PREVIEW - YOUFIXTHIS.COM

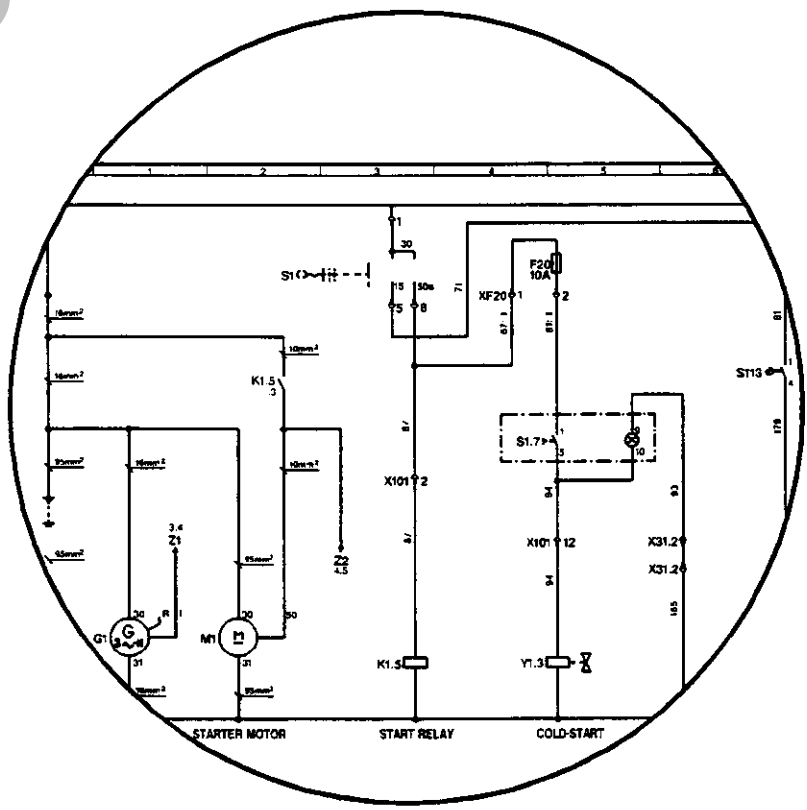
Download full manual at youfixthis.com

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

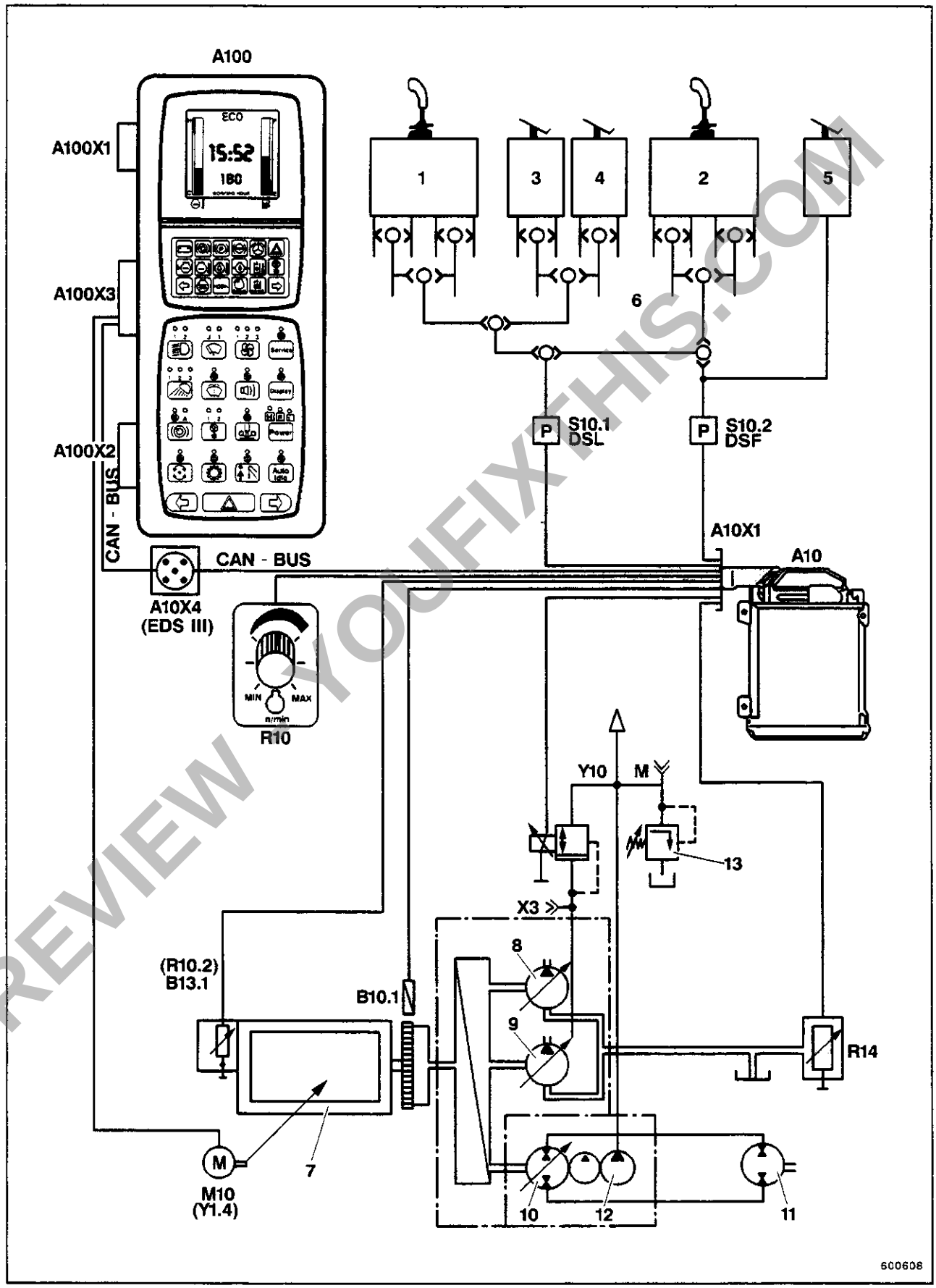


Fig. 3

PREVIEW YOUFIXTHIS.COM

Download full manual at youfixthis.com

Do not connect or disconnect any connections to the EDS tester while the plug-in power supply unit (item 15) is in the socket.

Connecting sequence:

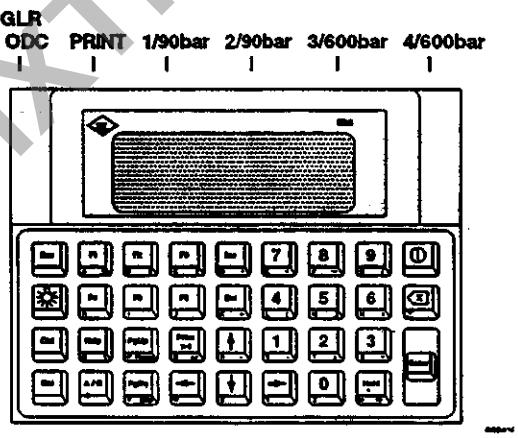
- Connect printer to PRINT (through cable, item 11).
- Connect EDS voltage supply port (24 V DC) to plug-in power supply unit (item 15).
- Insert RAM card with program (item 2).
- Insert plug-in power supply unit into socket.
- Switch on EDS tester by the ⏻ key.

List of the labelled connections:

ODC = Cable connection to the load sensing device, EDS voltage supply and, at the same time, serial data link with the ODC.

PRINT = Cable connection for the log printer. The printer is battery powered.

The connections are located on the rear side of the EDS tester.



Never disconnect the link between the mains adapter and the connection cable (item 14) while the EDS tester is on and the plug-in power supply unit (item 15) is in the socket, or software loss on the RAM card may impend.

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.

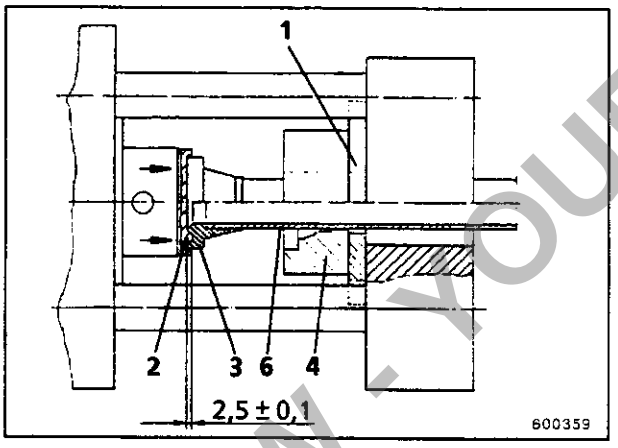


Fig. 1

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.

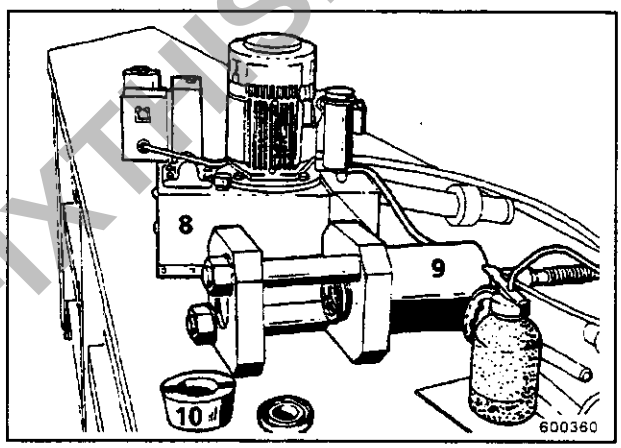


Fig. 2

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).

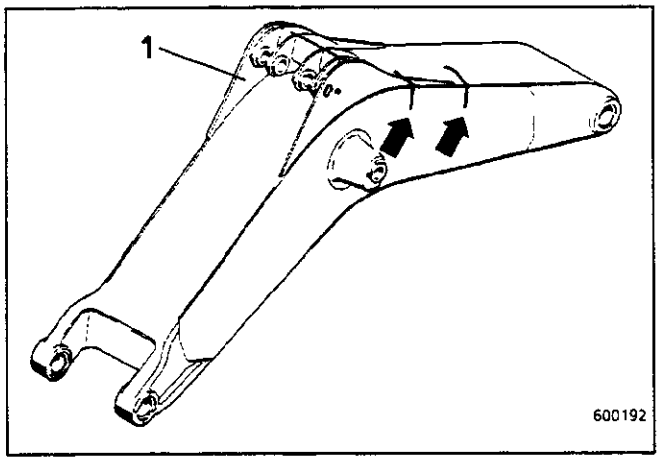


Fig. 91

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

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

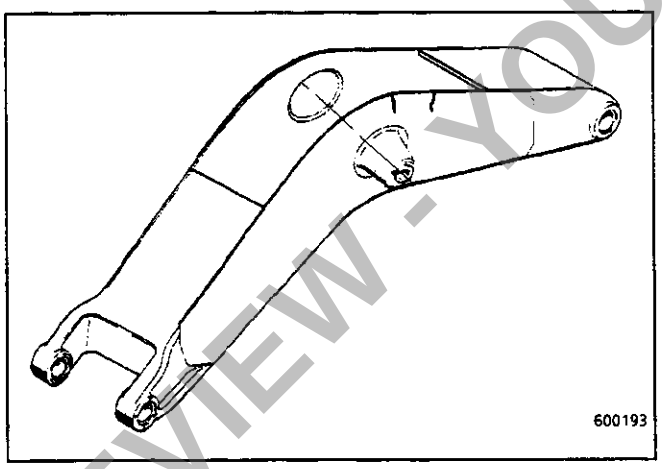


Fig. 92

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.

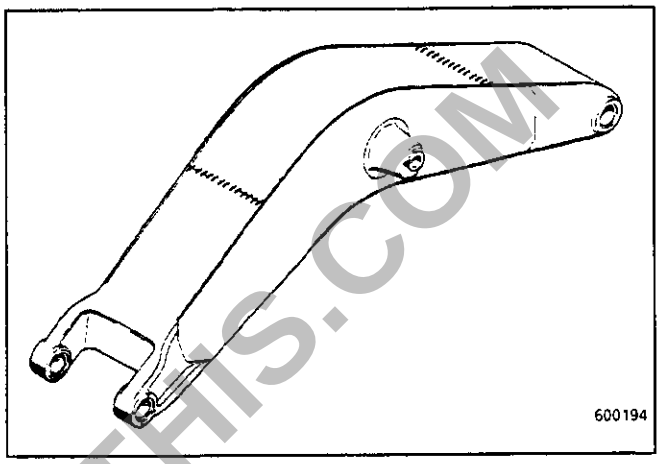


Fig. 93

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.

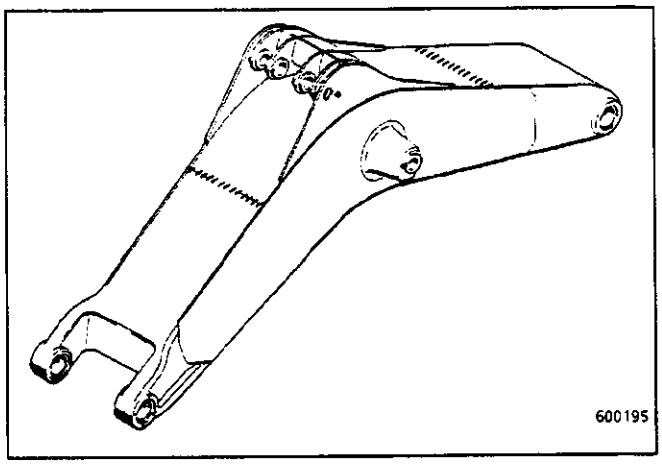


Fig. 94

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 25 of 1244 pages

The full manual includes:

- All 1244 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

FiatAllis FX270, FX270LC Manual Set

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual