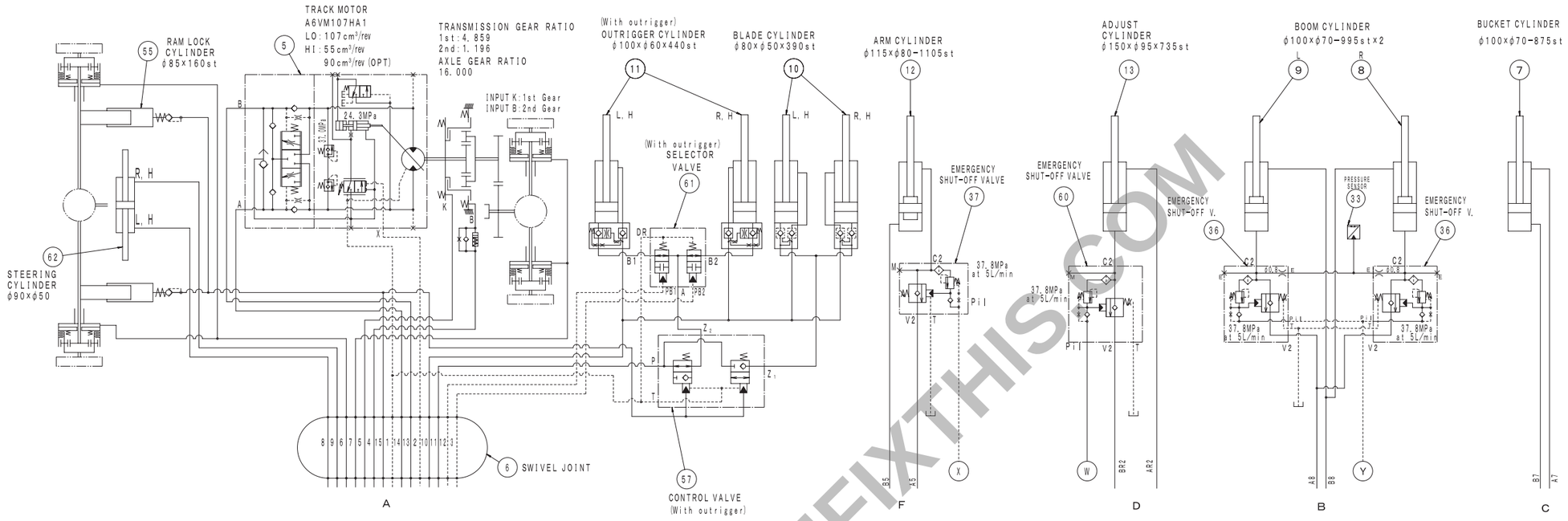
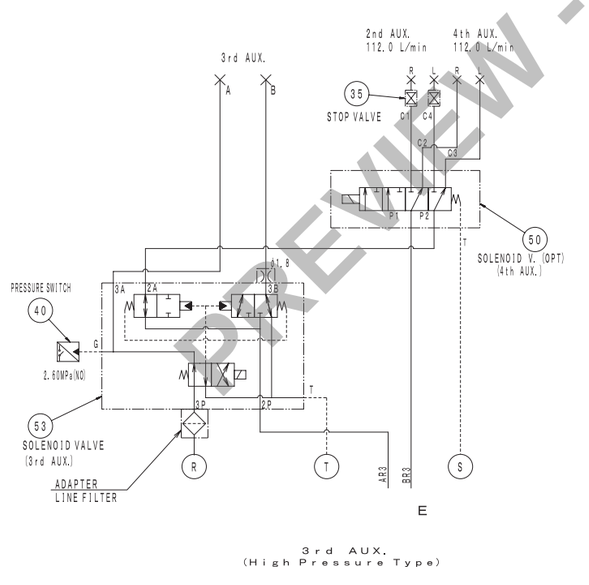




No.	PART No.	NAME OF PART	REMARKS
80			
79			
78			
77			
76			
75			
74			
73			
72			
71			
70			
69	15401−51006	CHECK VALVE	
68			
67	19017−57100	CHECK VALVE	
66	19017−57000	CHECK VALVE	
65	15522−00030	ACCUMULATOR	
64	19017−57300	BRAKE VALVE	
63	19045−00600	STEERRING VALVE	
62		STEERING CYLINDER	
61	19017−55800	SELECTOR VALVE	OUTRIGGER
60	19017−47700	EMERGENCY SHUT-OFF VALVE	ADJUST
59	19017−57400	SOLENOID VALVE	TRANSMISSION
58			
57	19017−56600	CONTROL VALVE	
56			
55	19001−08300	RAMLOCK CYLINDER	
54			
53	19017−49400	SOLENOID VALVE	3rd AUX.(H, P)
52			
51			
50	19017−48300	SOLENOID VALVE	4th AUX.
49			
48	19017−39600	SOLENOID VALVE	
47	05771−01021	MANIFOLD	
46	19017−54300	CHECK VALVE	
45	17001−00069	PRESSURE SWITCH	1. 47MPa (NO)
44			
43	19017−44700	SHOCKLESS VALVE	
42	17001−00099	PRESSURE SENSOR	
41	19017−55600	SOLENOID VALVE	TRAVEL F/R OUTRIGGER R/L

No.	PART No.	NAME OF PART	REMARKS
40	17001−00065	PRESSURE SWITCH	2. 60MPa(NO)
39	19017−47200	SOLENOID VALVE	3rd AUX.
38	15522−00020	ACCUMULATOR	
37	19017−44400	EMERGENCY SHUT-OFF VALVE	ARM
36	19017−44300	EMERGENCY SHUT-OFF VALVE	BOOM
35	19017−19800	STOP VALVE	
34	19017−44200	STOP VALVE	
33	17001−00113	PRESSURE SENSOR	
32	15520−00900	AIR BREATHER	
31	19030−10400	FAN MOTOR	
30			
29	15401−41030	CHECK VALVE	
28	15512−00600	PILOT LINE FILTER	
27	15501−00110	SUCTION FILTER	
26	19017−57700	CHECK VALVE	
25	19113−00560	OIL COOLER	
24	15511−03500	RELIEF VALVE	
23	15511−03400	RETURN FILTER	
22			
21			
20	19017−54100	SHUTTLE VALVE	
19	19017−55500	SOLENOID VALVE	LEVER LOCK
18	19017−52200	SOLENOID VALVE	AUX.
17	19017−45400	REMOTE C. V.	BLADE
16	19017−57200	DRIVE VALVE	
15	19017−55300	REMOTE C. V. (R)	
14	19017−43900	REMOTE C. V. (L)	
13	19001−06800	ADJUST CYLINDER	
12	19001−06500	ARM CYLINDER	2Piece-BOOM
11	19001−08200	OUTRIGGER CYLINDER	
10	19001−08100	BLADE CYLINDER	
9	19001−07000	BOOM CYLINDER (L)	
8	19001−06900	BOOM CYLINDER (R)	
7	19000−98400	BUCKET CYLINDER	
6	19040−09000	SWIVEL JOINT	
5	19030−10600	TRAVEL MOTOR (OPT)	20km/h
4	19030−10500	TRAVEL MOTOR	
3	19031−28900	SLEW MOTOR	
2	19020−26100	SUB PUMP	
1	19020−25900	MAIN PUMP	
1	19010−47800	CONTROL VALVE	

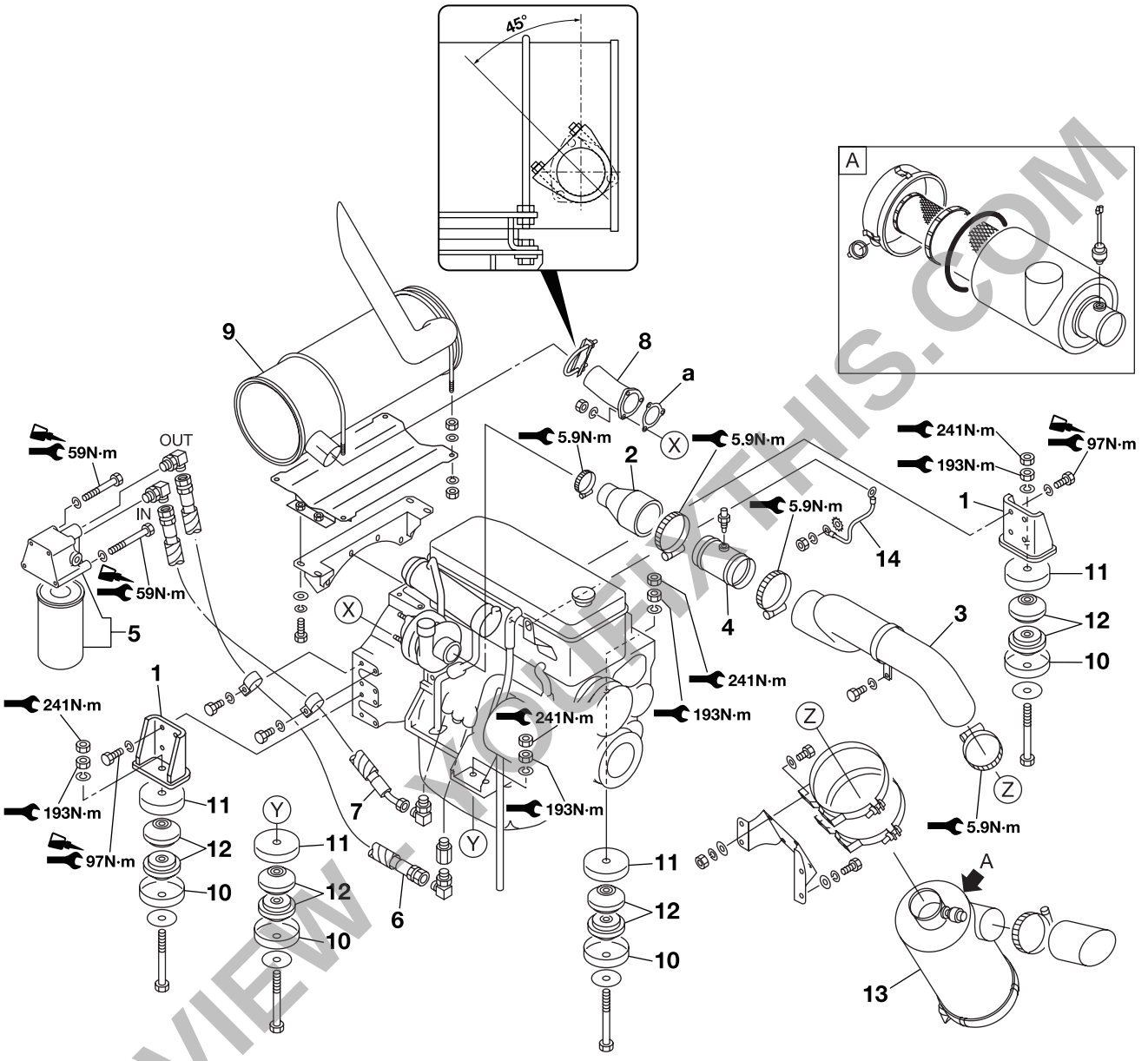
2FAK04Z

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

DRIVE SYSTEM

Engine



a: Apply liquid gasket to the slit in the muffler connection section.

1. Engine foot
2. Hose
3. Hose
4. Pipe
5. Fuel filter
6. Hose
7. Hose
8. Pipe
9. Muffler
10. Stopper (with the marker “A”)
11. Stopper
12. Cushion rubber
13. Air cleaner
14. Ground cable

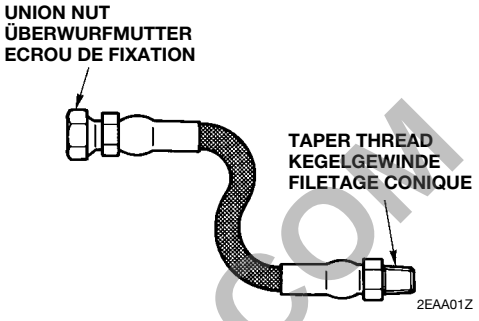
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

TIGHTENING TORQUE

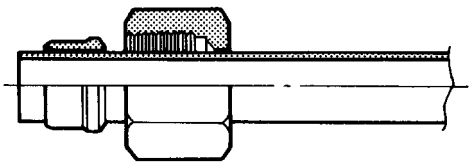
Hydraulic hose

Hose fitting size	Tightening torque	
	Union nut (G)	Taper thread (R)
	N·m	N·m
1/8	$9.8^{+4.9}_{0}$	11.8 ±1.2
1/4	$24.5^{+4.9}_{0}$	29.4 ±2.9
3/8	$49.0^{+4.9}_{0}$	53.9 ±5.4
1/2	$58.8^{+4.9}_{0}$	88.3 ±8.8
3/4	$117.7^{+4.9}_{0}$	147.1 ±14.7
1	$137.3^{+4.9}_{0}$	196.1 ±19.6



Bite-type pipe fitting for steel pipe

Pipe outer diameter (mm)	Tightening torque
	N·m
8	34.3 ±4.9
10	41.7 ±2.5
12	58.8 ±4.9
15	88.3 ±4.9
16	93.2 ±4.9
18	132.4 ±4.9
22	205.9 ±9.8
27.2	245.2 ±9.8
28	313.8 ±19.6
32	313.8 ±19.6
35	411.9 ±19.6



PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Unit: mm

Code	Item	Criteria					Action
		Standard dimension	Tolerance		Standard clearance	Allowable clearance	
			Axis	Hole			
A	Bucket and arm	65	-0.02 -0.05	+0.128 +0.034	0.054 to 0.178	1.0	
B	Bucket and link	65	-0.02 -0.05	+0.128 +0.034	0.054 to 0.178	1.0	
C	Arm and link	65	-0.02 -0.05	+0.128 +0.034	0.054 to 0.178	1.0	
D	Bucket cylinder and link	65	-0.02 -0.05	Link side +0.128 +0.034	0.054 to 0.178	1.0	
				Cylinder side +0.25 +0.05	0.07 to 0.30	1.0	
E	Bucket cylinder and arm	65	-0.02 -0.05	+0.25 +0.05	0.07 to 0.30	1.0	
F	Arm and second boom	75	-0.02 -0.05	+0.132 +0.033	0.053 to 0.182	1.0	
G	Arm cylinder and arm	80	-0.02 -0.05	+0.25 +0.05	0.07 to 0.30	1.0	
H	Arm cylinder and second boom	80	-0.02 -0.05	+0.25 +0.05	0.07 to 0.30	1.0	
I	Adjust cylinder and second boom	90	-0.02 -0.05	+0.25 +0.05	0.07 to 0.30	1.0	
J	Boom, second boom and boom cylinder	75	-0.02 -0.05	Boom side +0.132 +0.033	0.053 to 0.182	1.0	Replace
				Second boom side +0.132 +0.033	0.053 to 0.182	1.0	
				Cylinder side +0.25 +0.05	0.07 to 0.30	1.0	
K	Adjust cylinder and boom	90	-0.02 -0.05	+0.25 +0.05	0.07 to 0.30	1.0	
L	Boom and turntable	75	-0.02 -0.05	+0.132 +0.033	0.053 to 0.182	1.0	
M	Boom cylinder and turntable	75	-0.02 -0.05	+0.25 +0.05	0.07 to 0.30	1.0	
N	Dozer blade and link	50	-0.02 -0.05	+0.119 +0.023	0.043 to 0.169	1.0	
O	Lower frame and link	50	-0.02 -0.05	+0.119 +0.023	0.043 to 0.169	1.0	
P	Dozer blade and link	50	-0.02 -0.05	+0.119 +0.023	0.043 to 0.169	1.0	
Q	Lower frame and link	50	-0.02 -0.05	+0.119 +0.023	0.043 to 0.169	1.0	

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Removing the engine

In this part of the manual, the numbers shown in the parenthesis after the part names agree with the numbers shown in the construction diagram and its part list.

1. Disconnect the battery ground cable from the battery terminal.

2. Remove the covers.
   ☞ "Removing the covers"

3. Remove the counterweight.
   ☞ "Removing the upper frame"

4. Disconnect the electrical wiring to the air cleaner and remove it.

5. Remove the radiator and oil cooler.
   ☞ "Removing the radiator and oil cooler"

6. Remove the hydraulic pump
   ☞ "Removing the hydraulic pump"

7. Remove the fuel hoses (6) and (7) and the fuel filter (5).
   Bolt: ThreeBond #1324
   Bolt: 59 N·m

8. Disconnect the battery cable and the electrical wirings from the engine side.
   • Attach an identification label to each wiring.

9. Disconnect the engine ground cable (14).

10. Disconnect the compressor from the engine.
    ☞ "Air conditioner"

11. Take out the nuts fitted on the engine and suspend the engine.
    Nut (upper): 241 N·m
    Nut (lower): 193 N·m
    Engine: 300 kg

Installing the engine

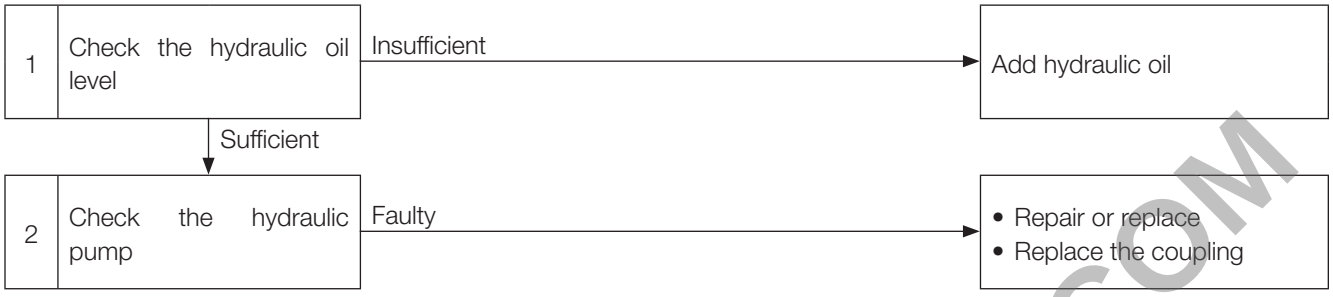
For installation of the engine, follow the same procedure as for removal in the reverse order.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

OVERALL MACHINE

No operation is possible



1. Check the hydraulic oil level.

Check the hydraulic oil tank level.

☞ "4. Disassembly and assembly, Hydraulic oil tank"

When adding, use the same brand of oil currently being used.

☞ "2. Service data, Fuel and lubricant table"

2. Check the hydraulic pump.

- Check the discharge pressure of the pumps P1 and P2 (piston pumps).

☞ "2. Service data, Performance criteria"

☞ "5. Troubleshooting, Piston pump"

- Check the pumps P3, P4 and P5 (gear pumps).

☞ "2. Service data, Performance criteria"

☞ "5. Troubleshooting, Piston pump"

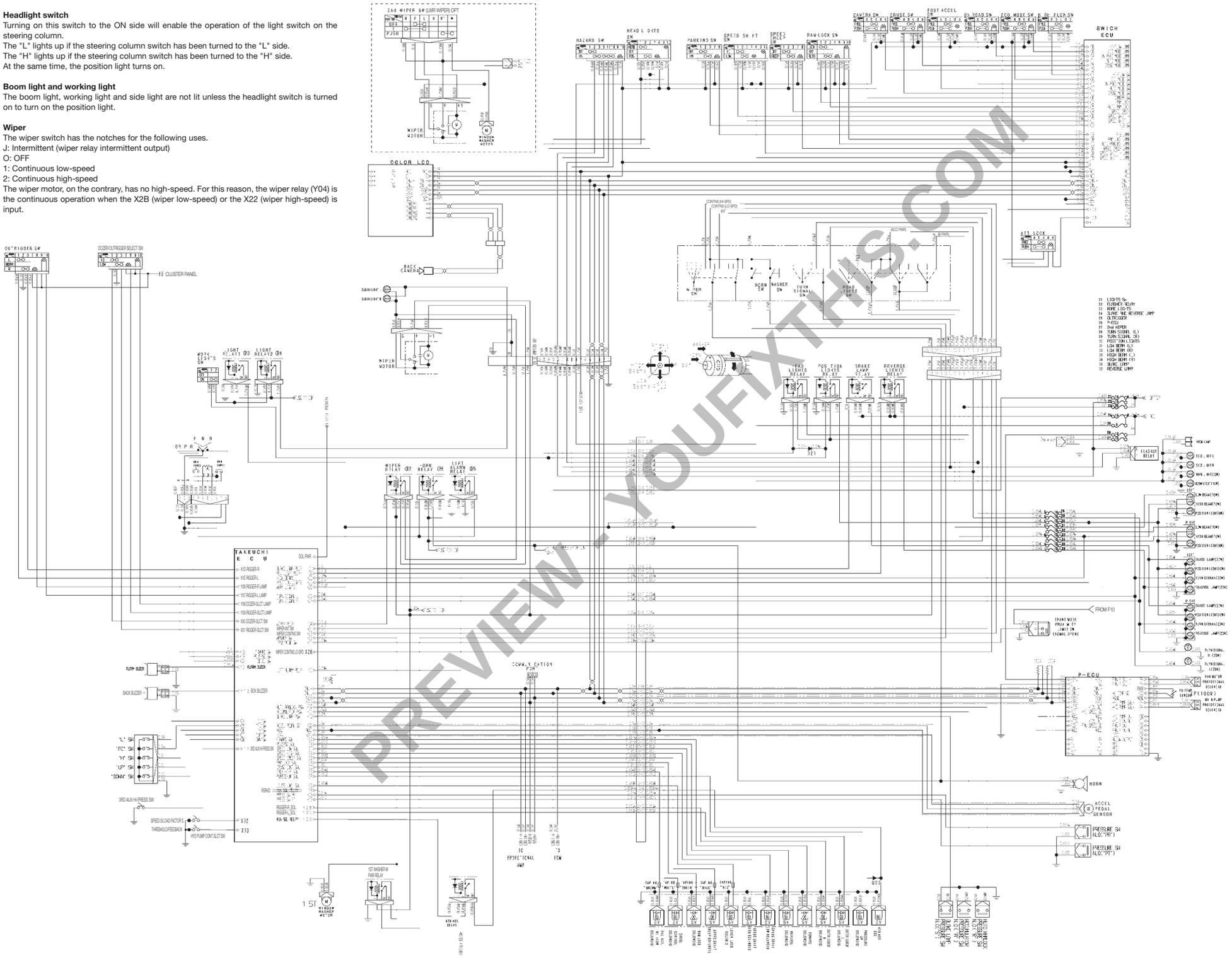
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Headlight switch
Turning on this switch to the ON side will enable the operation of the light switch on the steering column.
The "L" lights up if the steering column switch has been turned to the "L" side.
The "H" lights up if the steering column switch has been turned to the "H" side.
At the same time, the position light turns on.

Boom light and working light
The boom light, working light and side light are not lit unless the headlight switch is turned on to turn on the position light.

Wiper
The wiper switch has the notches for the following uses.
J: Intermittent (wiper relay intermittent output)
O: OFF
1: Continuous low-speed
2: Continuous high-speed
The wiper motor, on the contrary, has no high-speed. For this reason, the wiper relay (Y04) is the continuous operation when the X2B (wiper low-speed) or the X22 (wiper high-speed) is input.



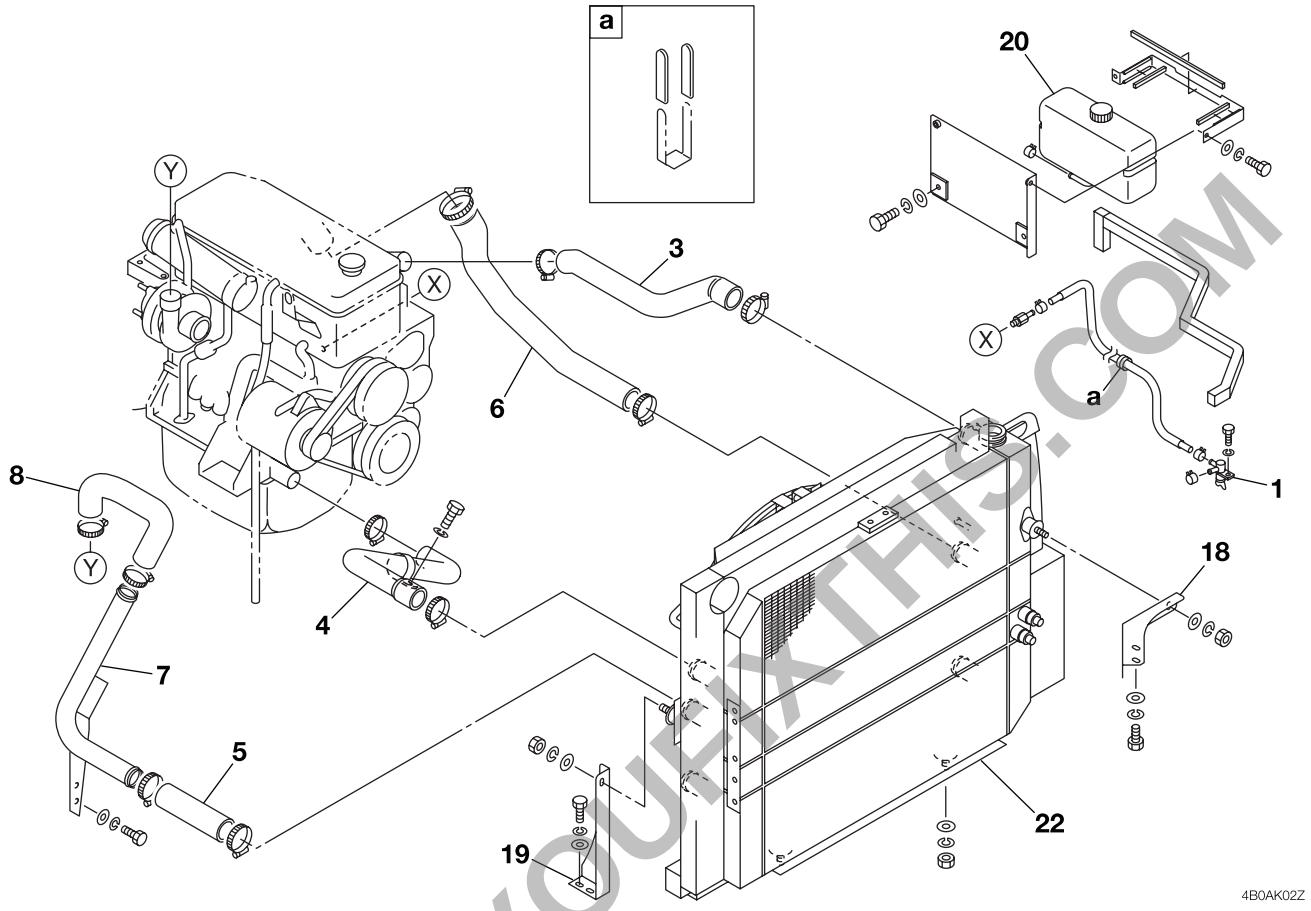
PREVIEW - YOUFIXTHIS.COM

Drawing No.	2/2
05701-00072	

2GAK02Z

Download full manual at youfixthis.com

Radiator and oil cooler
1/3



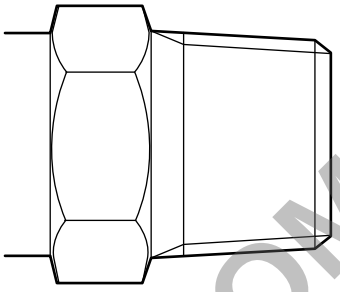
1. Drain valve
3. Hose
4. Hose
5. Hose
6. Hose
7. Pipe
8. Hose
18. Bracket
19. Bracket
20. Sub-tank
22. Radiator assembly

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Joint for piping

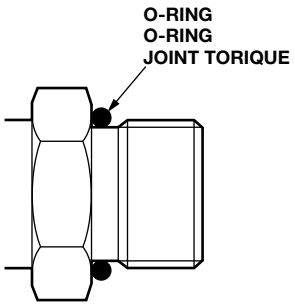
Nominal thread diameter	Tightening torque	
	Steel	Cast steel
	N·m	N·m
1/8	11.8 ±1.2	10.8 ±1.1
1/4	29.4 ±2.9	24.5 ±2.5
3/8	53.9 ±5.4	49.0 ±4.9
1/2	88.3 ±8.8	73.5 ±7.4
3/4	147.1 ±14.7	127.5 ±12.7
1	196.1 ±19.2	171.6 ±17.2


2EAA03Z

Joint for piping (O-ring seal type)

Nominal thread diameter (G)	Tightening torque
	N·m
1/8	19.6 ±2.0
1/4	34.3 ±4.9
3/8	53.9 ±4.9
1/2	63.7 ±4.9
3/4	93.2 ±4.9
1	107.9 ±9.8
1-1/4	117.7 ±9.8
1-1/2	137.3 ±9.8

Nominal thread diameter (UNF)	Tightening torque
	N·m
7/19-20	16.7 ±2.0
1/2-20	22.6 ±2.0
9/16-18	31.4 ±2.9
3/4-16	59.8 ±4.9
1-1/16-12	102.0 ±5.9
1-5/16-12	135.3 ±7.8
1-5/8-20	181.4 ±9.8



2EAA04Z

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Unit: mm

Code	Item	Criteria					Action
		Standard dimension	Tolerance		Standard clearance	Allowable clearance	
			Axis	Hole			
R	Blade cylinder and blade*	50	-0.02 -0.05	–	–	–	Replace
S	Blade cylinder and lower frame*	50	-0.02 -0.05	–	–	–	
T	Dozer blade and link	60	-0.02 -0.05	+0.123 +0.032	0.052 to 0.173	1.0	
U	Outrigger cylinder* and link	60	-0.02 -0.05	–	–	–	
V	Lower frame and link	60	-0.02 -0.05	+0.123 +0.032	0.052 to 0.173	1.0	
W	Outrigger cylinder* and lower frame	60	-0.02 -0.05	–	–	–	

*: Cylinder is installed on a bearing type mounting hole.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Removing the radiator and oil cooler

In this part of the manual, the numbers shown in the parenthesis after the part names agree with the numbers shown in the construction diagram and its part list.

1. Disconnect the battery ground cable from the battery terminal.

2. Remove the covers.
   ☞ "Removing the covers"

3. Remove the counterweight.
   ☞ "Removing the upper frame"

4. Disconnect the electrical wiring to the air cleaner and remove it.
   ☞ "Removing the engine"

5. Remove the battery.
   ☞ "Removing the battery"

6. Loosen the radiator cap (2) and let engine coolant drain from the drain valve (1).
   - Engine coolant volume: 18.5 L

7. Disconnect the radiator hoses (3) and (4) from the radiator assembly (22).

8. Disconnect the hoses (9) and (10) from the drain valve (1).

9. Disconnect the hoses (5) and (6).

10. Bleed gas from the air conditioner and disconnect the hoses from the condenser.
    ☞ "Air conditioner"

11. Drain the hydraulic oil from the tank.
    ☞ "Removing the hydraulic tank"

12. Disconnect the hoses (11) and (12) from the radiator assembly (22).

13. Remove the fan guard (13).

14. Disconnect the electrical wiring from the fan motor (15) and remove the motor.

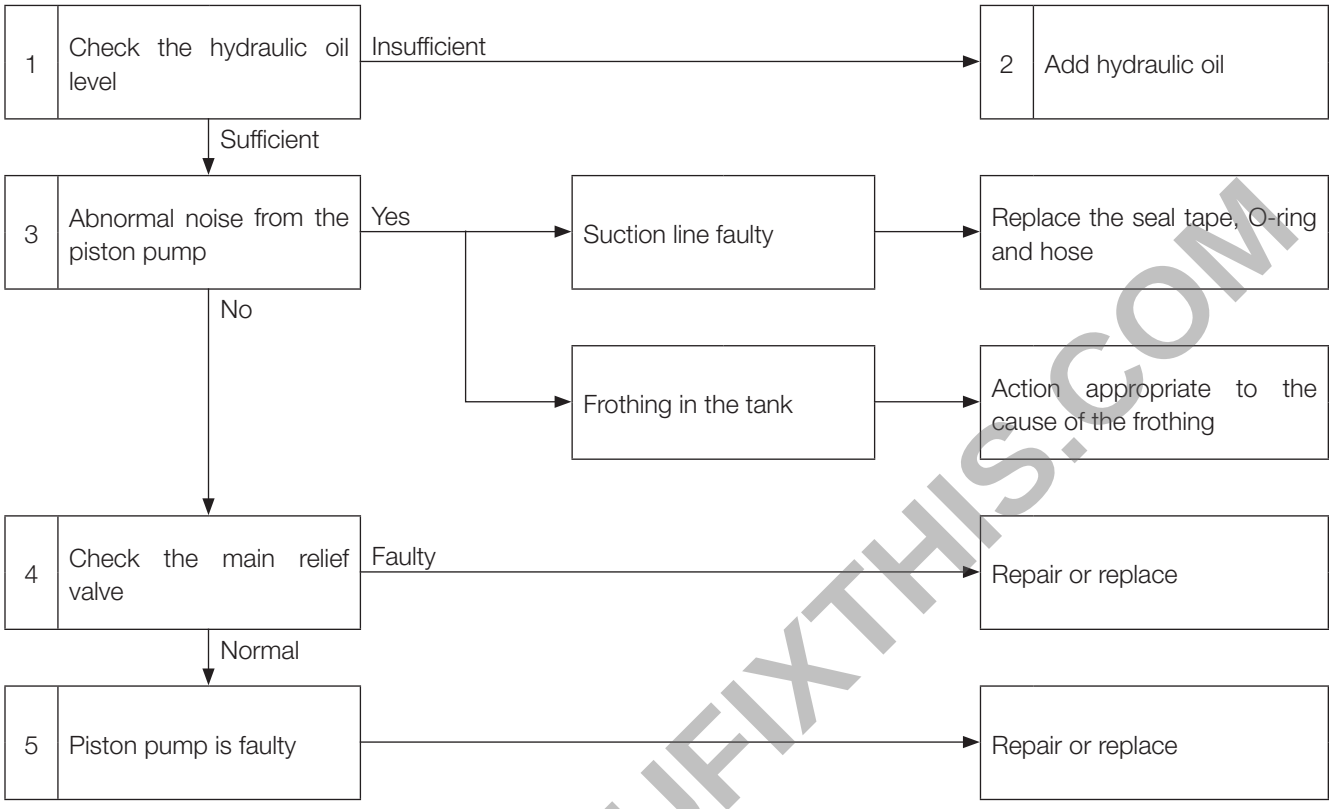
15. Remove the nuts fixing the cushion rubber and the brackets (18) and (19).

16. Remove the radiator assembly.
    kg Radiator assembly: 113 kg

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

All systems working, but insufficient force



1. Check the hydraulic oil level.
☞ "4. Disassembly and assembly, Hydraulic oil tank"

2. Add hydraulic oil.
☞ "5. Troubleshooting, No operation is possible"

3. Abnormal noise from the piston pump.
The noise is likely to be caused by cavitation in the pump, due to a faulty suction line. Check the following.
a. The line for sucking the hydraulic oil
- Apply grease or oil on the suspected faulty sections and check for a change (check if air is being sucked).

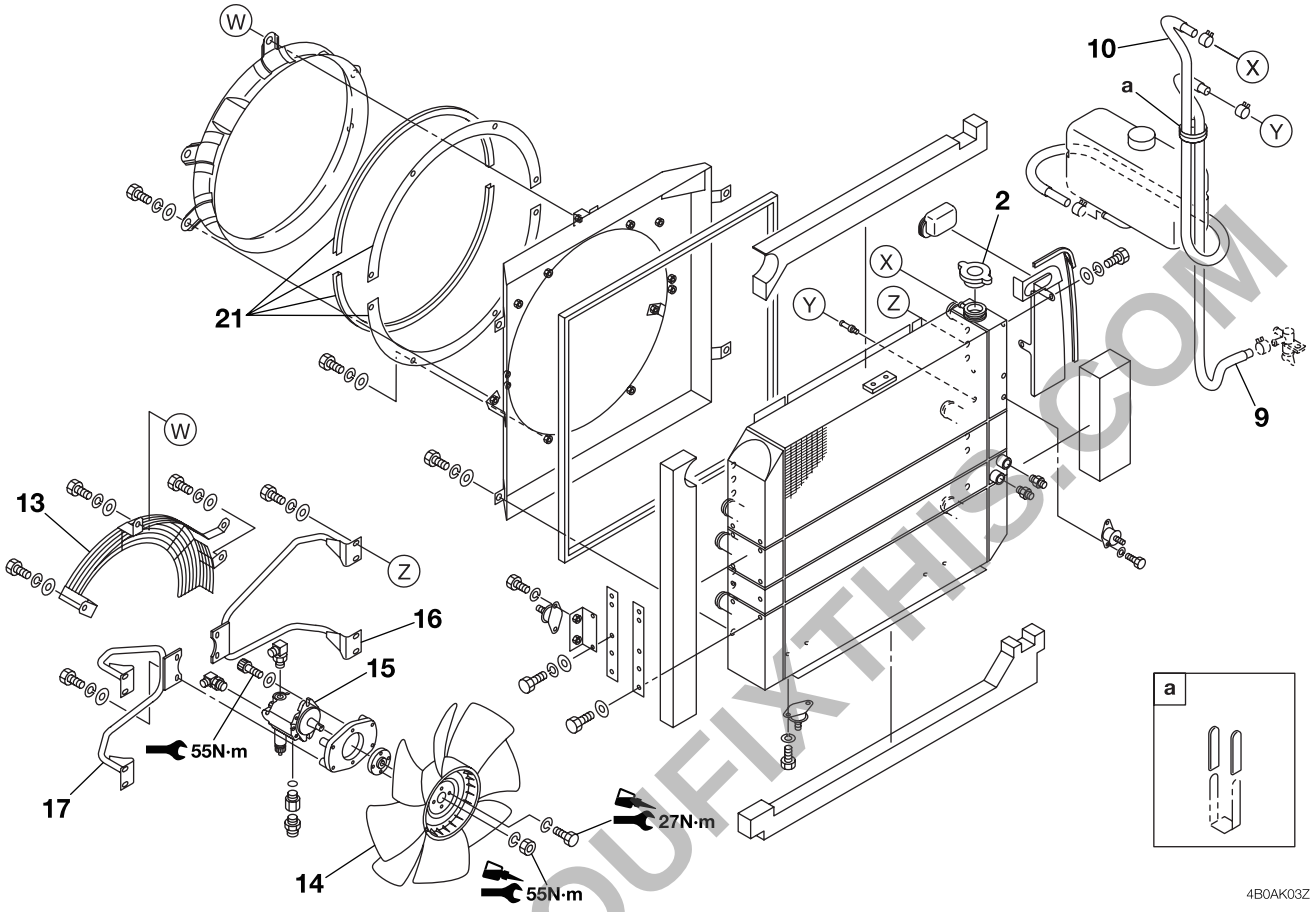
b. Clogging in the suction filter
c. Pressurize the hydraulic tank.
☞ "4. Disassembly and assembly, Hydraulic tank"

4. Check the main relief valve.
Measure the relief pressure of the main relief valve.
- If the measured value is within specifications, the valve is normal.
☞ "2. Service data, Performance criteria"
If the pressure of the main relief valve is low, adjust it to the set pressure by gradually tightening the setscrew.
- If the pressure does not increase after tightening the setscrew by 1/4 turn, the relief valve is faulty.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

2/3



2. Radiator cap
9. Hose
10. Hose
13. Fan guard
14. Fan
15. Fan motor
16. Bracket L
17. Bracket R
21. Fan ring

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Bolts and nuts (JIS strength category 10.9)

Thread	Size × pitch	Tightening torque	
		General tightening points	Special tightening points
		N·m	N·m
Coarse	M6 × 1.0	9.8 ±0.5	11.8 ±1.1
	M8 × 1.25	22.6 ±1.1	26.5 ±2.5
	M10 × 1.5	47.1 ±2.4	54.9 ±4.9
	M12 × 1.75	83.4 ±4.1	97.1 ±7.4
	M14 × 2.0	134.4 ±6.7	155.9 ±12.7
	M16 × 2.0	207.9 ±10.4	241.2 ±17.2
	M20 × 2.5	410.9 ±20.5	475.6 ±23.7
Fine	M8 × 1.0	24.5 ±1.2	28.4 ±1.4
	M10 × 1.25	50.0 ±2.5	58.8 ±2.9
	M12 × 1.5	87.3 ±4.3	102.0 ±5.1
	M14 × 1.5	135.3 ±6.8	157.9 ±7.8
	M16 × 1.5	220.6 ±11.0	256.0 ±12.7
	M20 × 1.5	452.1 ±22.6	524.7 ±26.1

1. General tightening points (non-lubricated)
   All securing points that have no special tightening torque specified in this manual and that are not special tightening points.
2. Special tightening points (grease with molybdenum disulfide applied)
   Points where a specific tightening torque is specified in this manual.
3. Points where thread-locking compound should be applied (ThreeBond #1324).
4. If a tightening torque value is specified in this manual for a point not listed in the table above, follow the specification in the manual.
5. To tighten multiple bolts and nuts evenly, alternately tighten opposite bolts/nuts as a pair.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Removing the hydraulic pump

In this part of the manual, the numbers shown in the parenthesis after the part names agree with the numbers shown in the construction diagram and its part list.

1. Remove the covers.
   ☞ "Removing the covers"

2. Remove the silencer.

3. Drain the hydraulic oil from the tank.
   ☞ "Removing the hydraulic tank"

4 Disconnect the electrical wiring from the hydraulic pump.

5. Disconnect the suction hoses and suction pipe from the hydraulic pump.

6. Disconnect the discharge hoses from the hydraulic pump.

7. Take out the cap screws and remove the hydraulic pump.
   Apply molybdenum disulfide grease to the spline
   Cap screw: 256 N·m

Installing the hydraulic pump

For installation of the hydraulic pump, follow the same procedure as for removal in the reverse order.

Cautions on starting the hydraulic pump

1. Fill the pump housing with hydraulic oil before starting.

2. Loosen the air-bleeding plug (4), and tighten it again when oil starts to flow out from the hole.
   Plug: 110 N·m

3. After starting, let the engine run in low idle for a while to bleed all air from the circuit.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Boom, bucket, slew and arm fail to move or are too slow

1	Check the gear pump	Faulty	• Repair or replace • Replace the coupling
		Normal	
2	Check the fuse	Faulty	Replace the fuse
		Normal	
3	Check the limit switch	Faulty	Repair or replace
		Normal	
4	Check the solenoid valve (lever lock)	Faulty	Repair or replace
		Normal	
5	Check the pilot relief valve	Faulty	Repair or replace
		Normal	
6	Check the pilot valve	Faulty	Repair or replace

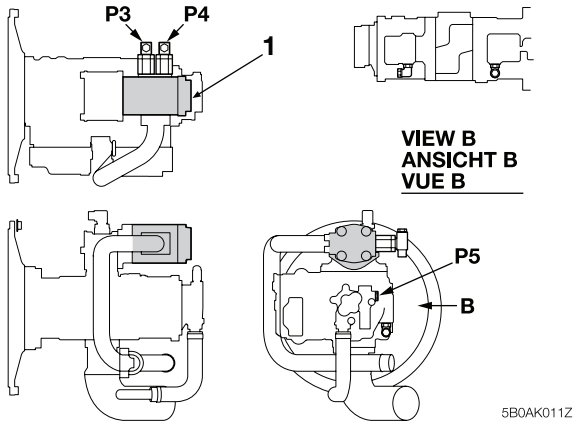
1. Check the gear pump

Check the hydraulic pump (sub) (1) which supplies hydraulic pressure to the pilot valve.

- The inspection procedure is the same as for the piston pump.

☞ "5. Troubleshooting, No operation is possible"

Also, check the line filter for clogging, and clean it as necessary.



PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

SERVICE DATA 2

Dimensional drawing 2-2
Specifications tables 2-5
Lubricant and Fuel chart 2-12
Performance criteria 2-14
Tightening torque 2-27
Hydraulic circuit diagram 2-31
Electrical wiring diagram 2-33
Wire harness diagram 2-34

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

SAFETY ALERT SYMBOL



This symbol represents the safety alert. The message that follows the symbol contains important information regarding human safety.
Read and understand the message to avoid personal injury or death.

Safety label

Safety labels are used to alert operators or other people exposed to the risks of injury or damage. There are the following three types of labels.
Read the labels carefully as they are important for your safety.

⚠ DANGER

The word "DANGER" indicates an imminently hazardous situation which, if not avoided, is likely to result in serious injury or death.

⚠ WARNING

The word "WARNING" indicates a potentially hazardous situation which, if not avoided, could result in serious injury or death.

⚠ CAUTION

The word "CAUTION" indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

IMPORTANT: The word "IMPORTANT" is used to alert operators and maintenance personnel about situations which could result in damage to the machine and its components.

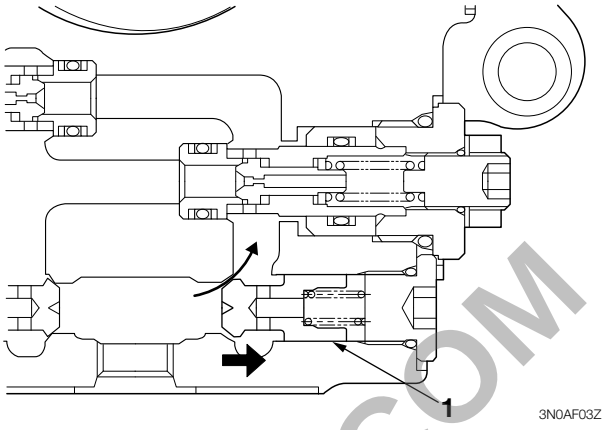
This manual is intended for trained and qualified personnel only. Warnings or cautions described in this manual do not necessarily cover all safety measures. It is also impossible to cover all hazards and risks which may be associated with the maintenance of the machine in every environment. For maintenance work, each person must take adequate safety precautions against possible hazards in the respective working environment.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Make-up valve

The makeup valve has two functions:
One function is to prevent the slewing structure from running away by preventing the cavitation caused by overrun of the piston motor.
The inertia of the slewing mechanism rotates the motor, pumping up the oil. When this rotational speed exceeds the rotational speed achieved by the oil volume supplied to the motor, the shortfall in oil volume is replenished through the makeup valve (1) to the motor main circuit to prevent a vacuum from being generated in the circuit.
The other function is to obtain the normal braking function by keeping the circuit in the normal state. When the circuit between the motor and the control valve is closed, as in braking, the oil from the motor drain, as well as the leak from the valve, is replenished through the makeup valve (1) to prevent a vacuum from being generated in the circuit.



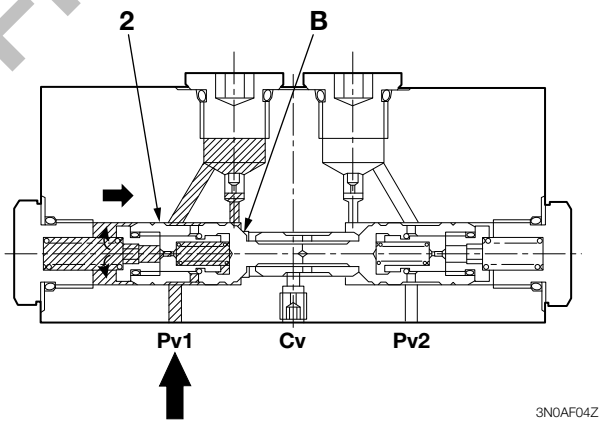
3N0AF03Z

Anti-rebound valve

When the motor is stopped, it is prevented from rebounding due to the accumulated pressure, by connecting the main circuit of the motor to the make-up circuit for a certain period.

When the brake is actuated

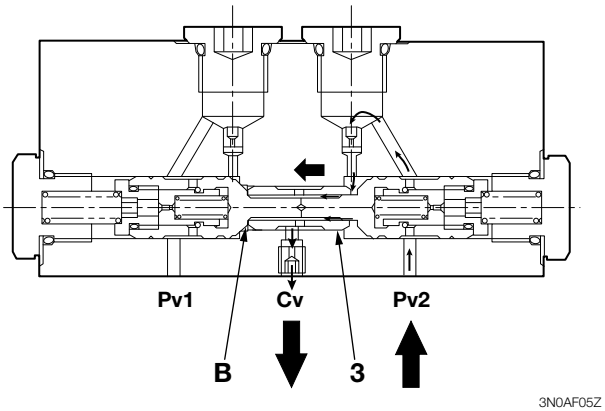
The braking pressure generated at the port Pv1 moves the check valve (2) to the right until it is pushed against the section B. Thus, the oil flow is blocked at the section B.



3N0AF04Z

When the Motor Rebounds

When the motor is stopped by braking operation of the brake valve, it starts rebounding due to the accumulated pressure in the main circuit. This rebound pressure generated at the port Pv2 moves the sleeve (3) to the left to open the passage. The rebound pressure is released from the port Cv.



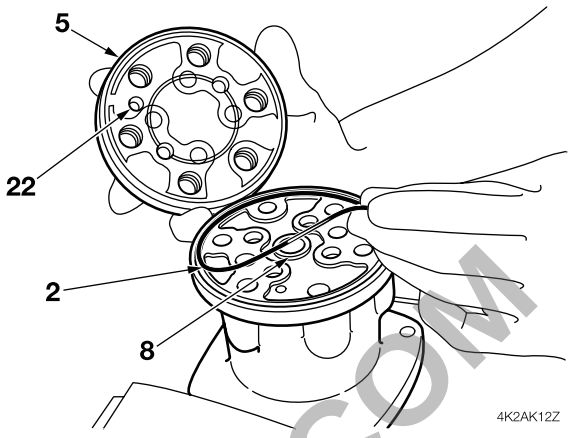
3N0AF05Z

PREVIEW - YOUFIXTHIS.COM

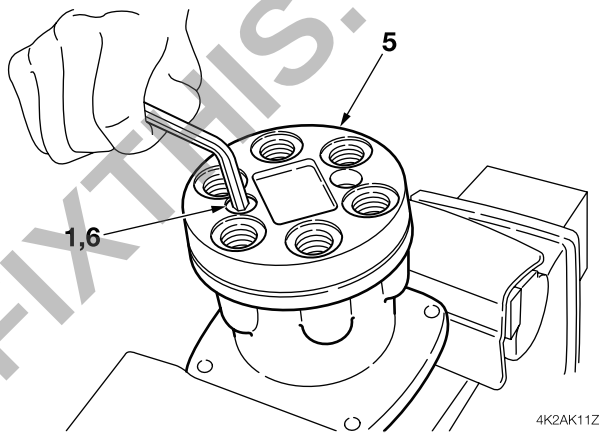
Download full manual at youfixthis.com

Assembly

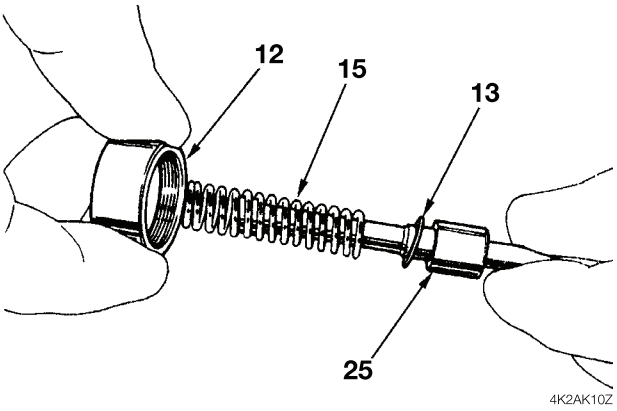
1. Install the bushing (8) and the O-ring on the casing (24).



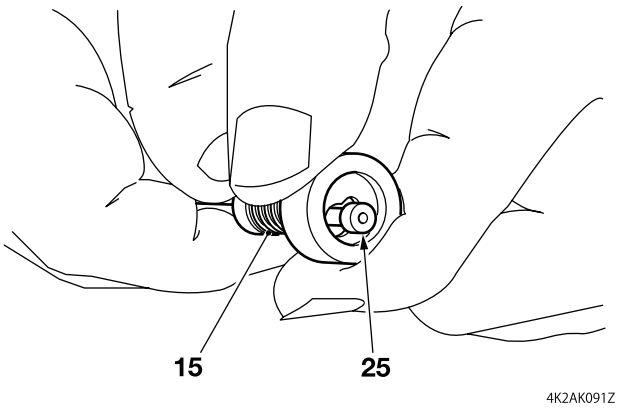
2. Install the plate (5) on the casing (24) and secure the plate with the cap screw (6) and the washer (1)
   - Use a new washer.
   - Cap screw: 20.6±1.5N·m



3. Assemble the reducing valve.
   a. Install the washer (13), the spring (15) and the holder (12) on the spool (25).



   b. Push in the holder (12) to compress the spring (15) and move the spool (25) to the large hole side from the small hole side of the holder (12).
      - Do not push in the holder by more than 6 mm.

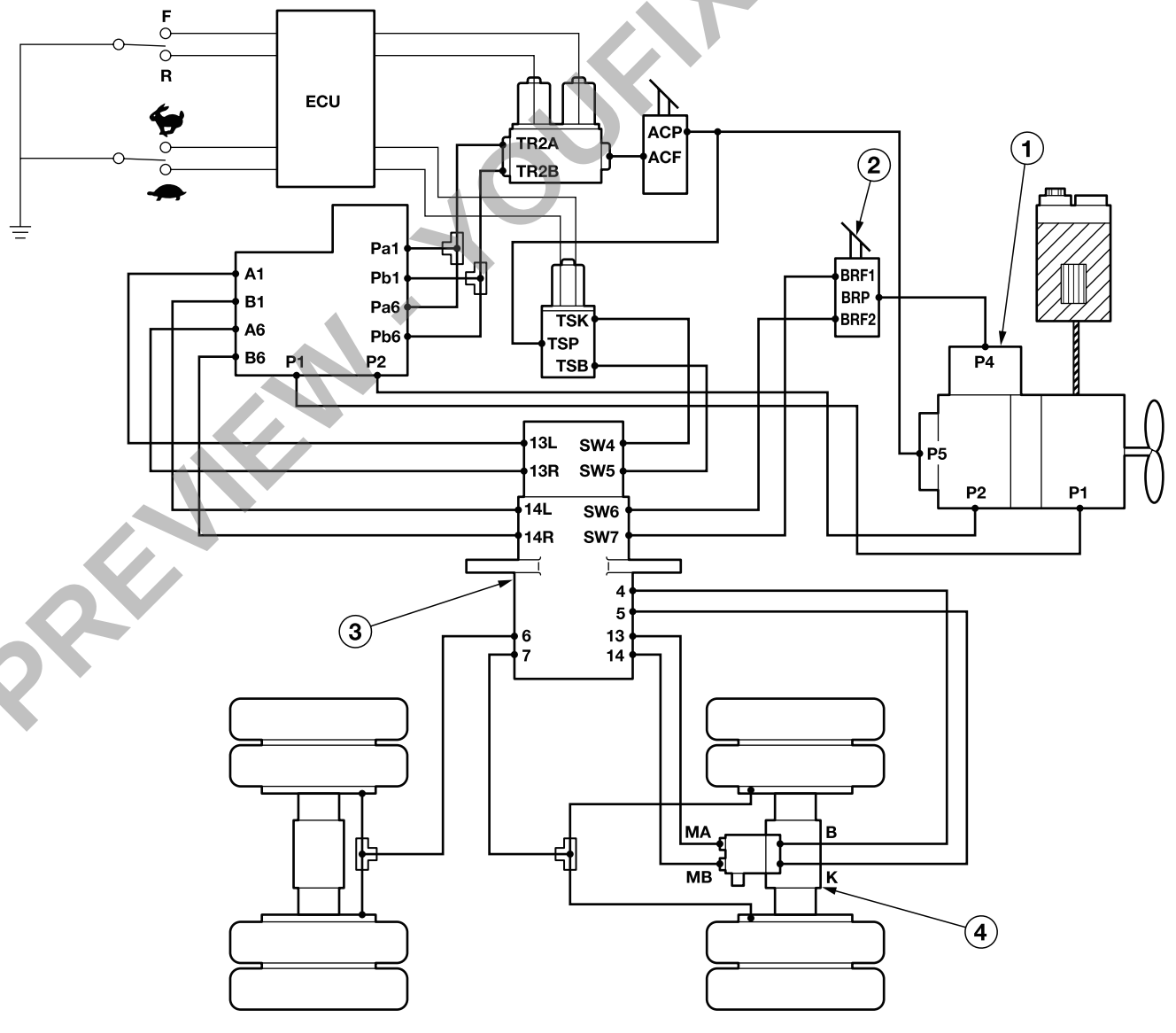


PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Brake not working, not working properly (engine is on)

1	Check the hydraulic pump	Faulty	Repair or replace
	Normal		
2	Check the brake valve	Faulty	Repair or replace
	Normal		
3	Check the swivel joint	Faulty	Repair or replace
	Normal		
4	Check the axle	Faulty	Repair or replace

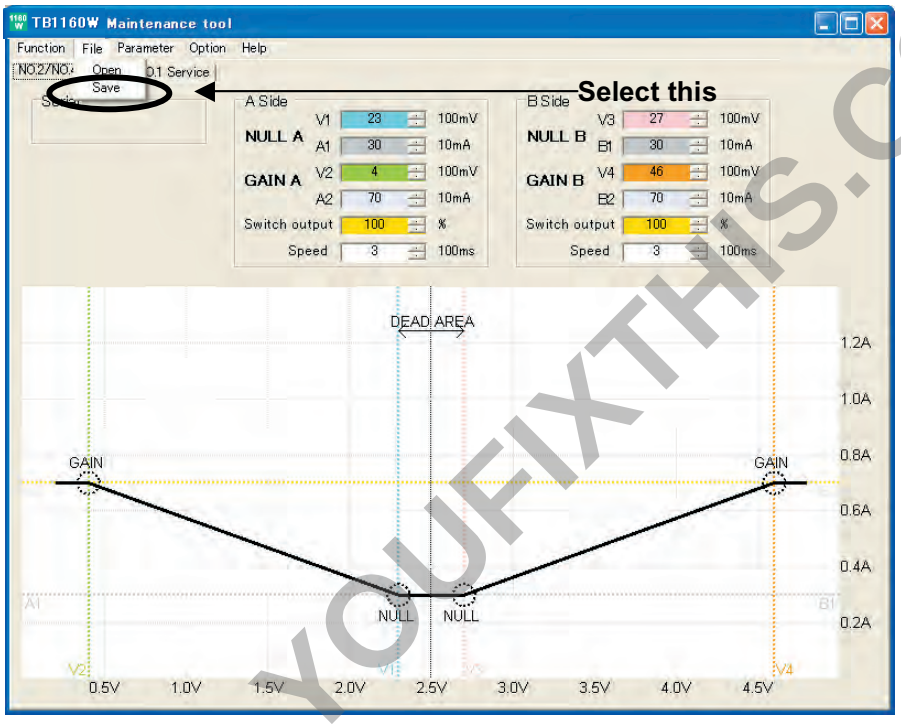


PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

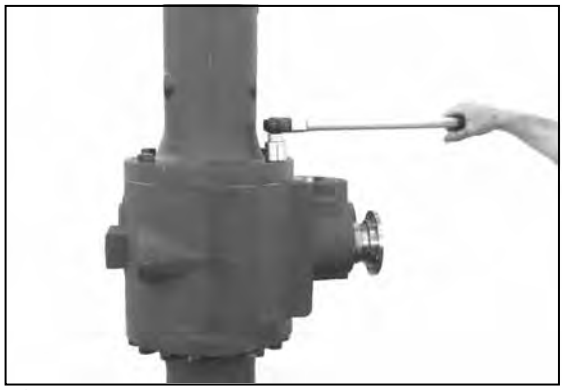
8.3 Saving to file

The parameter settings that are currently displayed can be saved to a file. To do so, select **Save** from the **File** menu. You will be prompted to enter the name of the file to be saved and other information, and then save the file.



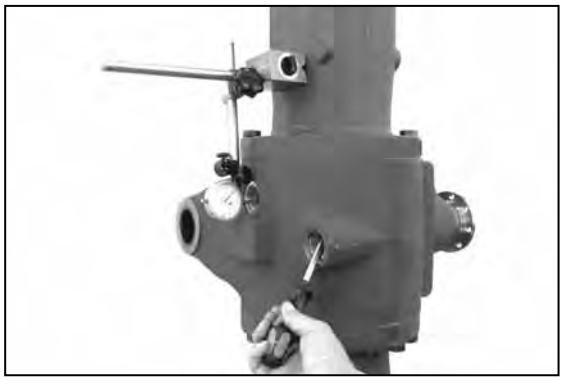
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com


Figure 29

Locate preassembled axle housing /part II (without O-ring) (observe radial installation position) and temporarily fix with hex. screws.

2.2.2 Backlash and contact pattern check:

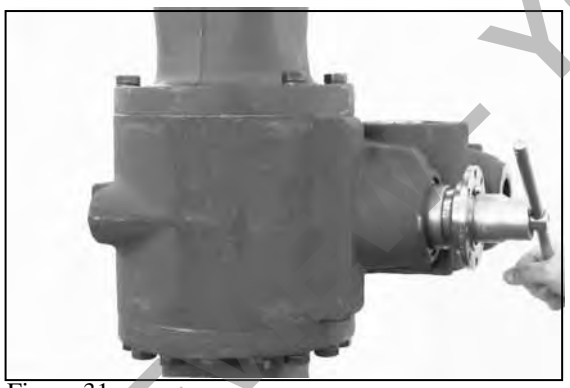

Figure 30

Place dial indicator at right angles to a tooth flank of the crown wheel (within the outer diameter area) through oil filler hole and check backlash.

Backlash
MS-E 3050/3060 = 0.12 … 0.24 mm
MS-E 3070 = 0.15 … 0.27 mm

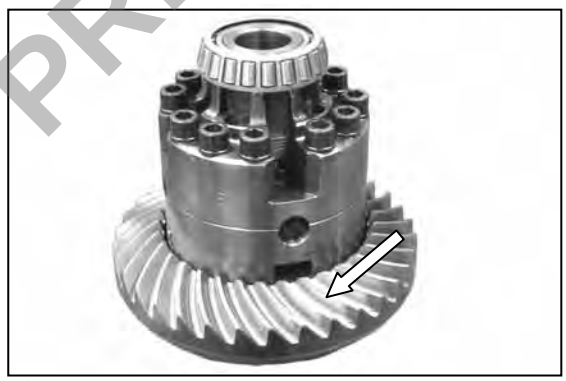
☞ **In case of a deviation from the specified backlash, correct it with a suitable shim (see figure. 23)!**

☞ **A correction of shim / backlash also requires a correction of shim/bearing rolling moment to the opposite direction (see figure no. 28)!**


Figure 31

(S) Magnetic stand	5870 200 055
(S) Dial indicator	5870 200 057

Rotate drive pinion in both directions several times over crown wheel/differential (contact pattern impression – in this connection see figure no. 32) !

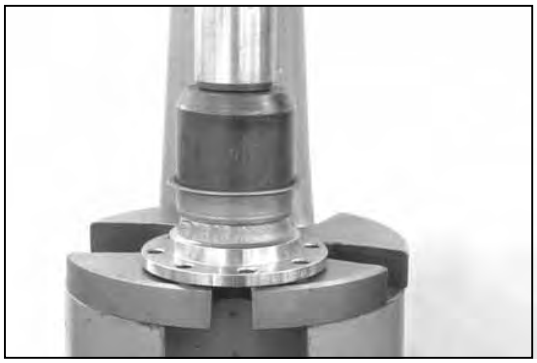

Figure 32

Remove differential.

Compare contact pattern (see arrow) with contact pattern examples on page 0/6 … 0/7.

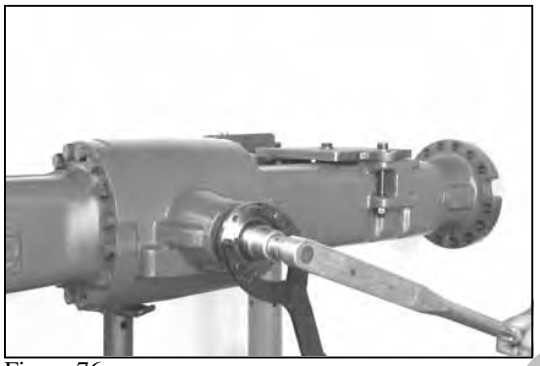
☞ **If the contact pattern differs considerably, an error was made when measuring the shim (see figure no. 23, page 2/7), which needs to be corrected by all means!**

Download full manual at youfixthis.com


Figure 75

Press screen sheet /thrust plate (5) on the input flange until contact is obtained – also see sketch no. 73!

☞ Screen sheet/thrust plate must not be deformed during assembly – use suitable driver!


Figure 76

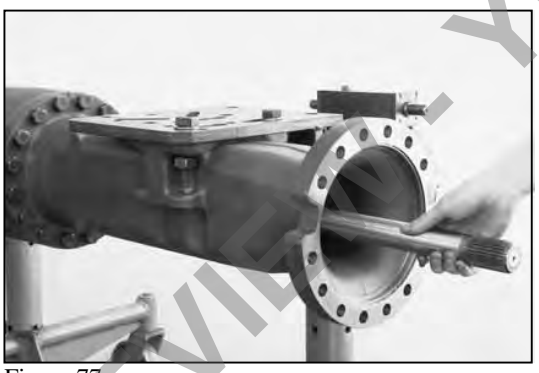
Install pre-assembled drive flange (4+5) and washer (3), fix with hex. nut (2).

⚠ **Secure hex. nut with locking agent (Loctite-no. 262)!**

MT-E 3050 / MT-E 3060
Tightening torque (M27x1.5) ..... M_A = 480 Nm

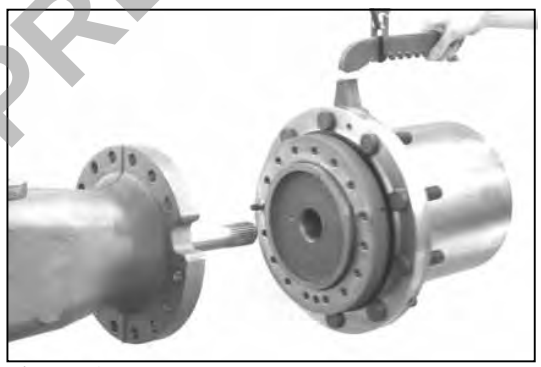
MT-E 3070
Tightening torque (M30x1.5) ..... M_A = 600 Nm

(S) Clamping fork 5870 240 025


Figure 77

4.5 Reassemble the output assy:

Install the plug shaft into the gears of the axle bevel gear.


Figure 78

Position the output assy correctly to the axle housing by inserting the plug shaft into the sun gear shaft.

Pay attention to O-ring (arrow)!

(S) Lifting bracket 5870 281 043

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

PREVIEW ONLY

You're viewing 24 of 755 pages

The full manual includes:

- All 755 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

Takeuchi TB1160W Workshop Manual

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual