NEW HOLLAND

E235SR

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Workshop manual

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PROVEN PERFORMANCE

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SECTION 2 SPECIFICATIONS

TABLE OF CONTENTS

1. NAME OF COMPONENTS 1
2. GENERAL DIMENSIONS 2
3. WEIGHT OF COMPONENTS 3
4. TRANSPORTATION 4
5. SPECIFICATIONS AND PERFORMANCE 6
6. TYPE OF CRAWLER 7
7. TYPE OF BUCKET 8
8. COMBINATIONS OF ATTACHMENT 9
9. ENGINE SPECIFICATION 10

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SECTION 3 ATTACHMENT DIMENSIONS

TABLE OF CONTENTS

1. BOOM
1.1 Boom dimensional drawing 1
1.2 Boom maintenance standard 2

2. ARM
2.1 Arm dimensional drawing 4
2.2 Arm maintenance standard 5

3. BUCKET
3.1 Bucket dimensional drawing 7
3.2 Bucket dimensional table 7
3.3 Detail dimensional drawing of lug section 8
3.4 Detail dimensional drawing of boss section 9

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SECTION 11 TOOLS

TABLE OF CONTENTS

1. TIGHTENING TORQUES FOR CAPSCREWS AND NUTS 1

2. SCREW SIZE 2

3. TIGHTENING TORQUES FOR NUTS AND SLEEVES 3

4. PLUG 4

5. SPECIAL SPANNER FOR TUBE 7

6. SPECIAL TOOLS 8

7. APPLICATION OF SCREW LOCKING COMPOUND AND SEALANT COMPOUND 10

8. SUCTION STOPPER 11

9. COUNTER WEIGHT LIFTING JIG 12

10. UPPER FRAME LIFTING JIG 13

11. ENGINE MOUNTING PEDESTAL 15

12. TRACK SPRING SET JIG 15

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3.13.4 BOOM LIGHT INSTALL

BOOM LIGHT INSTALL				
ITEM	PART NAME	Q'TY		REMARKS
1	LIGHT	2		

3.14 BOOM HARNESS ASSY

BOOM HARNESS ASSY				
ITEM	PART NAME	Q'TY		REMARKS
1	HARNESS	—		
5	HARNESS	1		

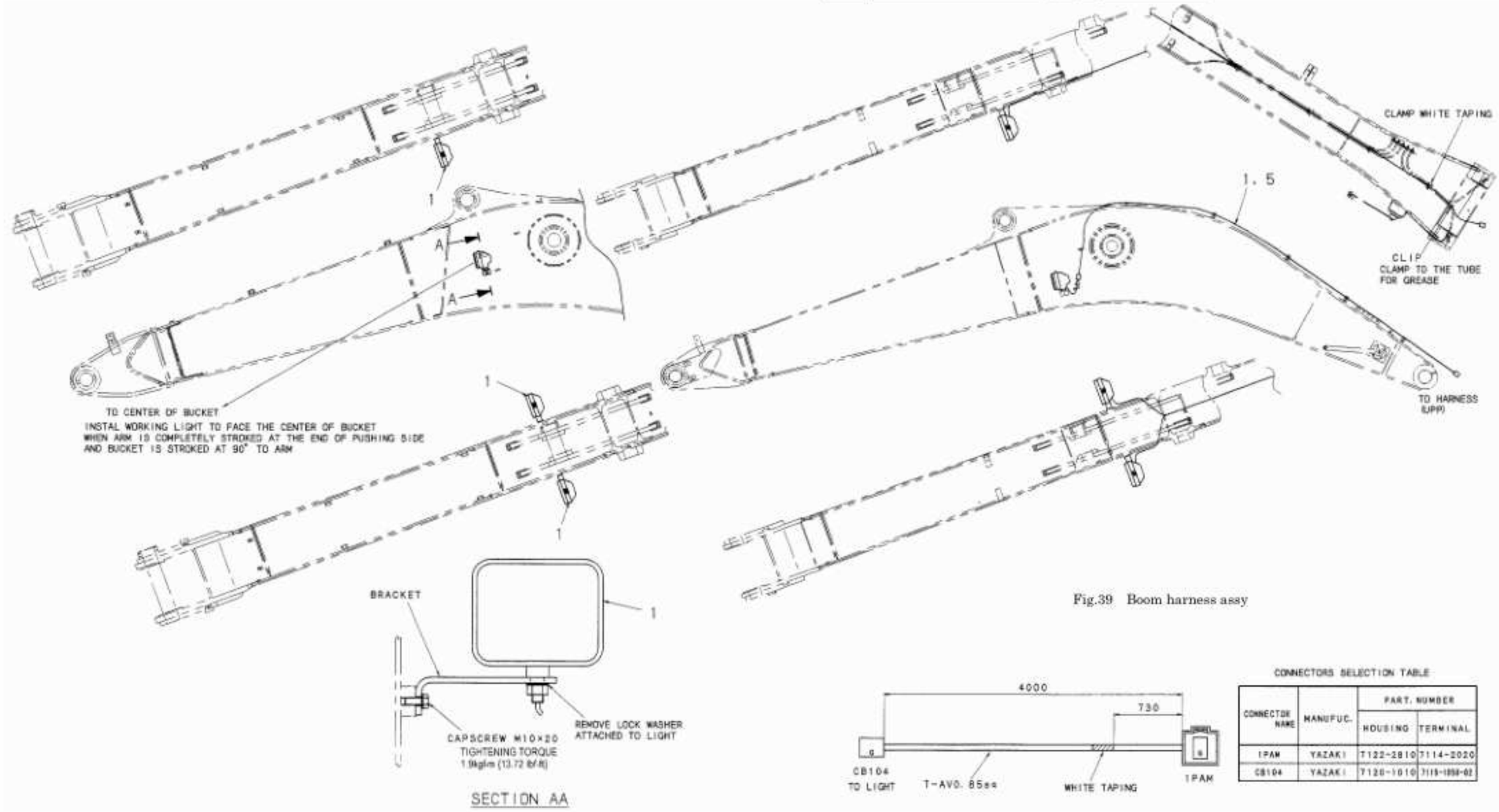


Fig.38 Boom light install

Fig.39 Boom harness assy

CONNECTORS SELECTION TABLE

CONNECTOR NAME	MANUFUC.	PART. NUMBER	
		HOUSING	TERMINAL
1PAM	YAZAKI	7122-2810	7114-2020
CB104	YAZAKI	7120-1010	7115-1050-02

Fig.40 Boom harness

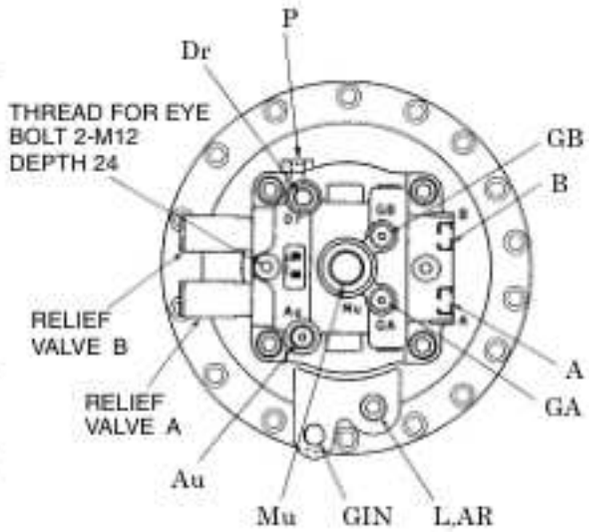
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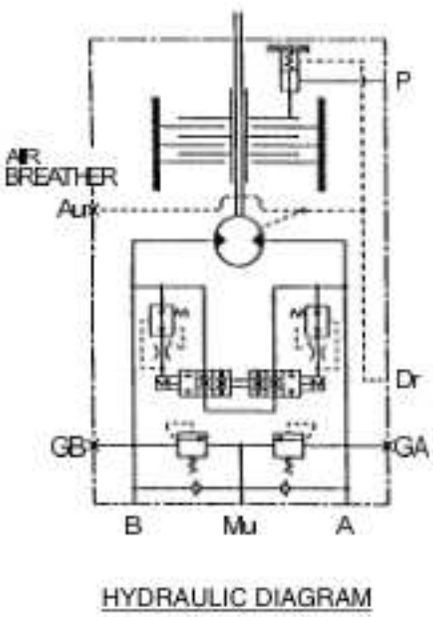
5. SWING MOTOR UNIT

5.1 SPECIFICATIONS

(1) Outside view

Symbol	Port name	Port size	Tightening torque kgf·m (lbf·ft)
A,B	Main port	PF3/4	16.5 (119)
Dr	Drain port	PF3/8	7.5 (54)
Mu	Make-up port	PF1	26 (188)
GA,GB	Pressure measuring port	2-PF1/4	3.7 (27)
P	Parking brake release port	PF1/4	3.7 (27)
L,AR	Gear oil level Gauge Air breather port	PT1/2	6.6 (48)
GIN	Gear oil lubrication port	PT3/4	10 (72)





HYDRAULIC DIAGRAM

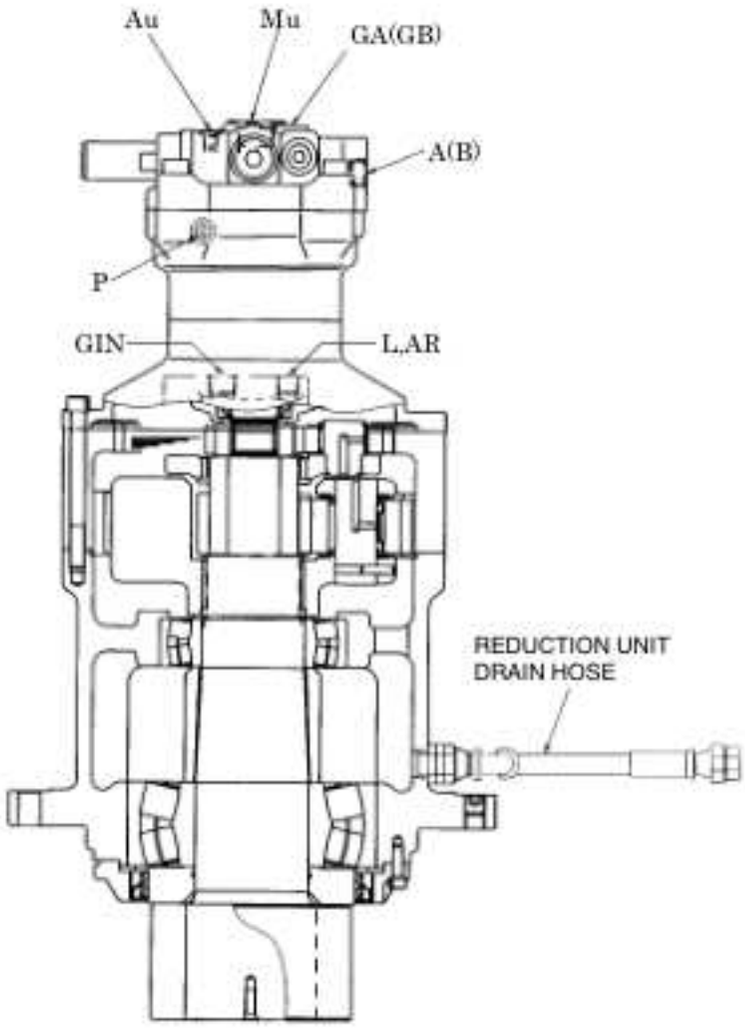


Fig. 5-1 Swing motor unit

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(13) Remove cover assy (75)

1) Remove four sems bolts (35) M12×25.
: 19mm

2) Remove cover assy (75).

(14) Remove cover assy (13)

1) Remove three sems bolts (35) M12×25.
: 19mm

2) Remove cover assy (13).

(15) Remove cover assy (18)

1) Remove six sems bolts(35) M12×35.
: 19mm

2) Remove cover assy (18) .

(16) Remove bracket (19)

1) Remove three sems bolts (36) M12×30.
: 19mm

2) Remove brackets (19).
Weight : 14kg (30 lb)

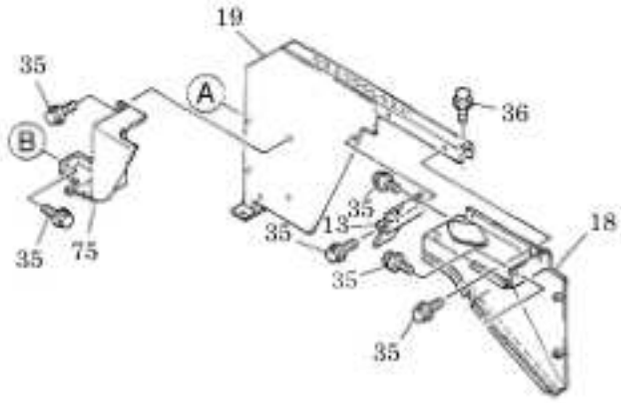


Fig. 4-10 Removing cover assy (13),(18),(19),(75)

(17) Remove cover assy (14), (25), (53) and (54) located under the boom.

1) Remove all attaching bolts.
: 19mm

2) Remove covers (14), (25), (53) and (54), in that order.

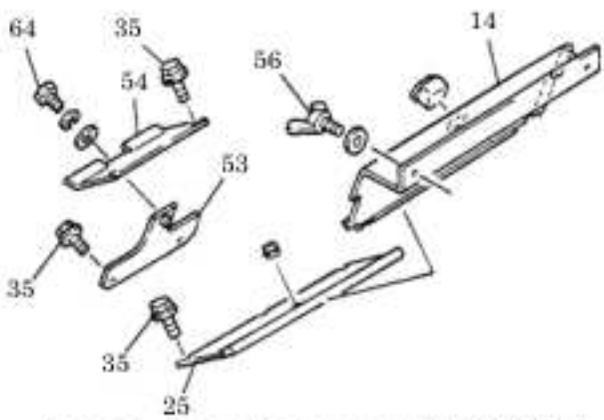


Fig. 4-11 Removing cover assy (14), (25), (53), (54)

(18) Remove guard assy (47)

1) Remove two capscrews (64) M12×25.
: 19mm

2) Remove guard assy (47).

(19) Remove cover assy (15)

1) Remove two sems bolts (36) M12×30.
: 19mm

2) Remove cover assy (15).

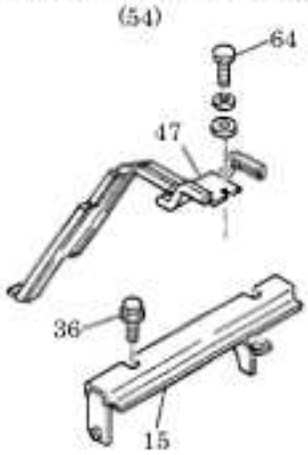


Fig. 4-12 Removing cover assy (15)

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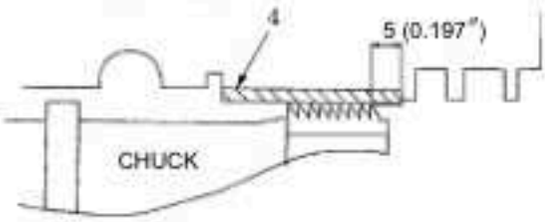
1.9.3 SPECIAL JIG HANDLING PROCEDURE

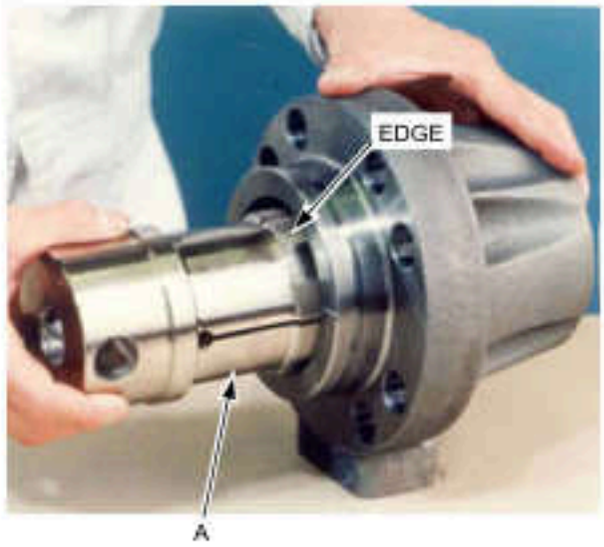
(1) How to extract bushing from rod cover.

1) Attaching chuck assy tool

Insert tool in rod cover slowly until the edge top end of chuck assy reaches to the end of bushing.

- Special attention must be paid so that the inner surface of rod cover is not damaged by the edge of tool.
- Attach too on the position 5mm (0.2 in) from the bushing end face so that the edge does not protrude from the end face.



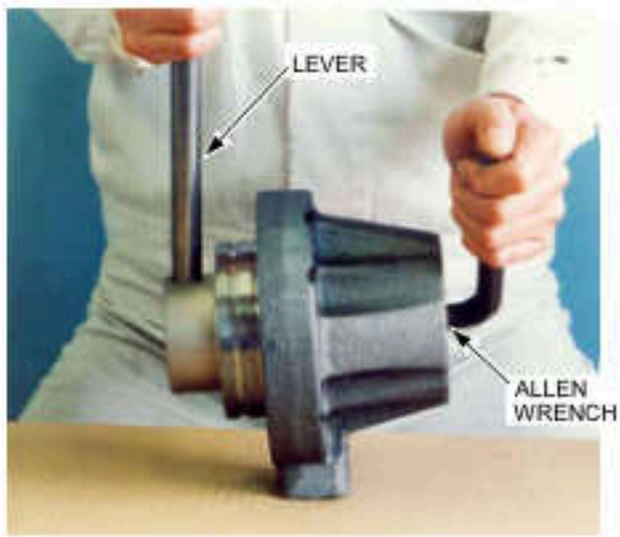


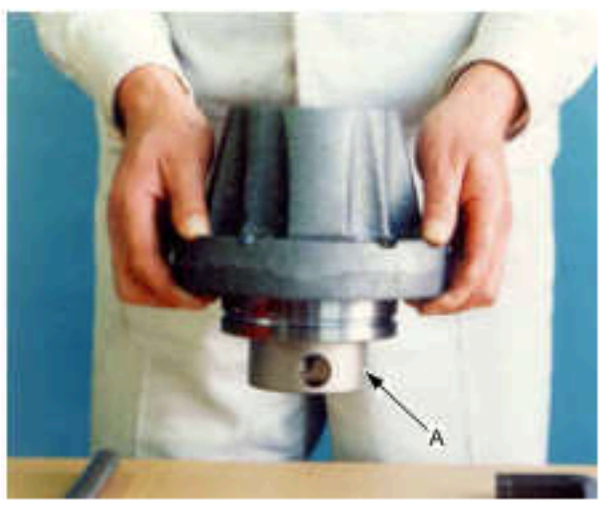
2) Tightening chuck assy tool temporarily

1. Fit allen wrench to the head of adjuster bolt on the top end of tool, and insert lever in the round hole on the rear end of tool.

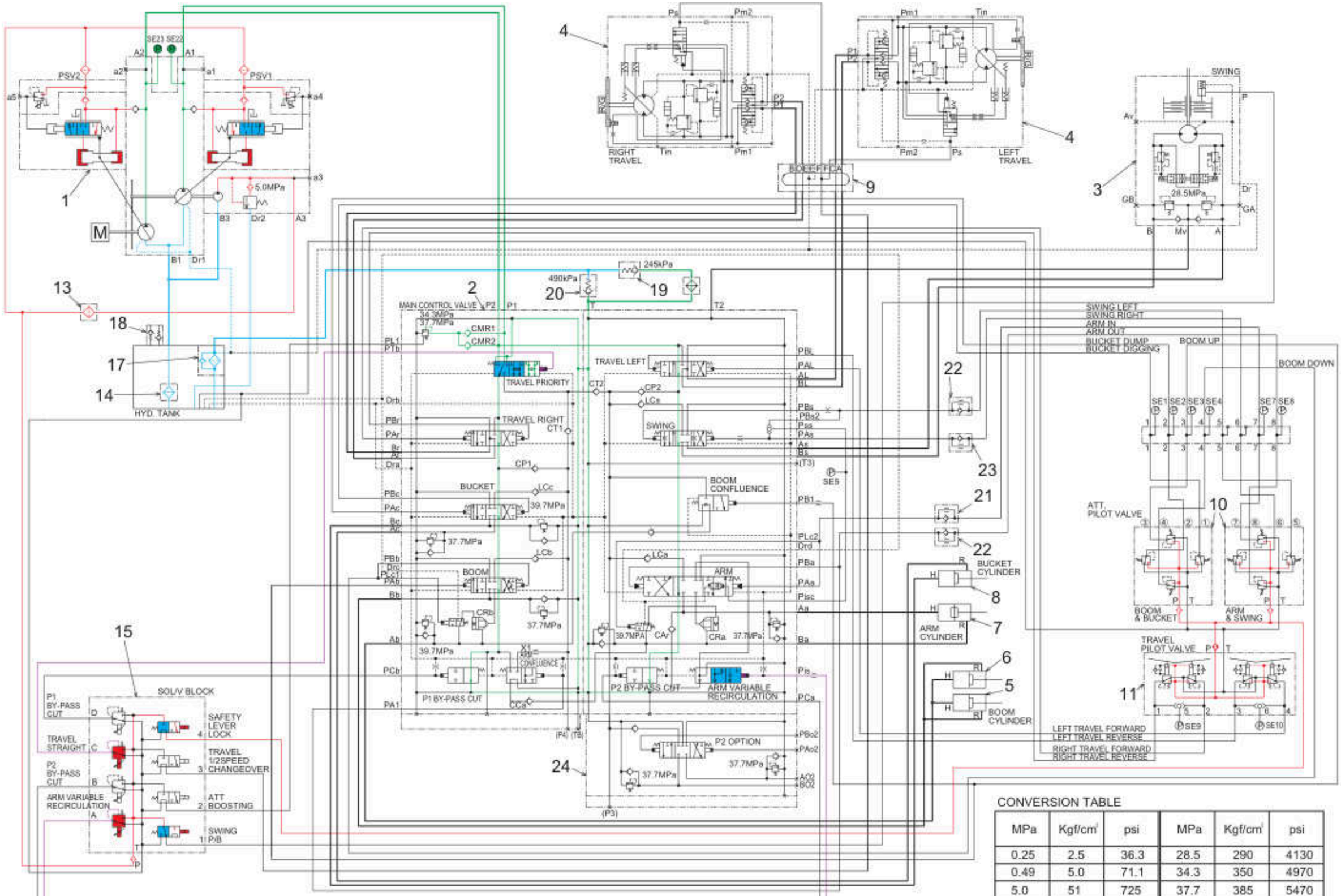
2. Fix it with allen wrench and lever to the position where the tool does not drop even if the rod cover is raised, inclining it forward and rearward.

- Move rod cover onto the working bench holding tool attached.
- Be careful not to drop it on foots, etc.





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PRESSURE DRAIN(RELEASE)CIRCUIT

CONVERSION TABLE

MPa	Kgf/cm²	psi	MPa	Kgf/cm²	psi
0.25	2.5	36.3	28.5	290	4130
0.49	5.0	71.1	34.3	350	4970
5.0	51	725	37.7	385	5470
—	—	—	39.7	405	5760

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