KOBELCO

SERVICE MANUAL

HYDRAULIC EXCAVATOR

SK200(LC) 6E

SK210(LC) 6E(S)

SK210NLC 6ES

S5YN0117E

APPLICABLE:
YN10-38001~
YQ10-05501~

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YN02

SPECIFICATION

TABLE OF CONTENTS

1. NAME OF COMPONENTS 1
2. GENERAL DIMENSIONS 2
3. WEIGHT OF COMPONENTS 4
4. TRANSPORTATION 5
5. SPECIFICATIONS AND PERFORMANCE 8
6. TYPE OF CRAWLER 9
7. TYPE OF BUCKET 10
8. COMBINATIONS OF ATTACHMENT 11
9. ENGINE SPECIFICATIONS 12

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YN03

ATTACHMENT DIMENSION

TABLE OF CONTENTS

1. BOOM
   1.1 Boom dimensional drawing 1
   1.2 Boom maintenance standard 2
2. ARM
   2.1 Arm dimensional drawing 5
   2.2 Arm maintenance standard 6
3. BUCKET
   3.1 Bucket dimensional drawing 9
   3.2 Bucket dimensional table 9
   3.3 Detail dimensional drawing of lug section 10
   3.4 Detail dimensional drawing of boss section 10

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SK210NLC-6ES

YN11

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 SEALING COMPOUND 10
8. SUCTION STOPPER 11
9. COUNTER WEIGHT LIFTING JIG 12
10. UPPER FRAME LIFTING JIG 13
11. ENGINE MOUNTING PEDESTAL 14
12. TRACK SPRING SET JIG 14

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1B. OPERATOR SEAT KCME

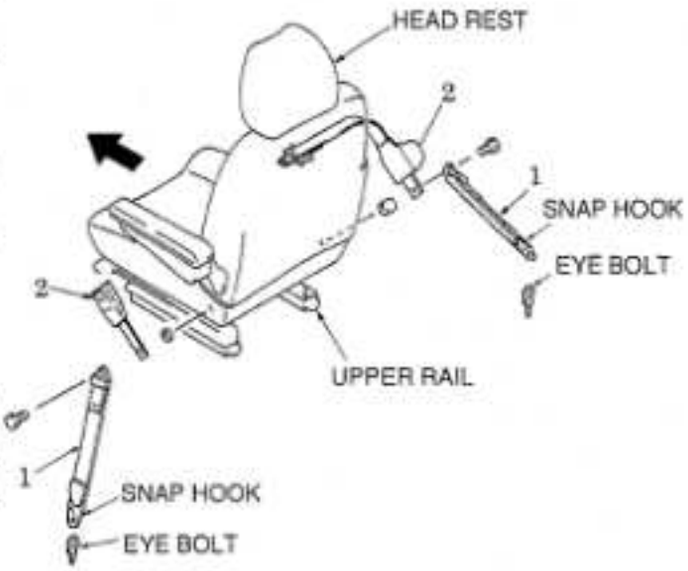
1.1 REMOVAL

(1) Remove seat belt.

1) Remove the head rest of the operator's seat to ease handling.
2) Move the whole control stand to its foremost position.
3) Move the operator's seat to its forward end.
4) Incline the reclining seat as forward as possible.
5) Remove the snap hook of the seat belt (1) from the eye bolts (2 places)

(2) Remove operator's seat.

1) With the above-mentioned seat belt removed, remove two cap screws (A8) M8×14 from the support (A1). Then move the control stand to its rearmost end and remove two capscrews (A8) M8×14.
   : 6mm
2) Remove the operator's seat. [about 36kg (79 lbs).] Before removing the cab, remove the A/C mounting cover assembly in this condition. This eases removal and fixing of harness connectors.
   Carry out the following operations as required.
3) Remove support (A1).
4) Remove cover (A3).
5) Remove seat stand (A2).



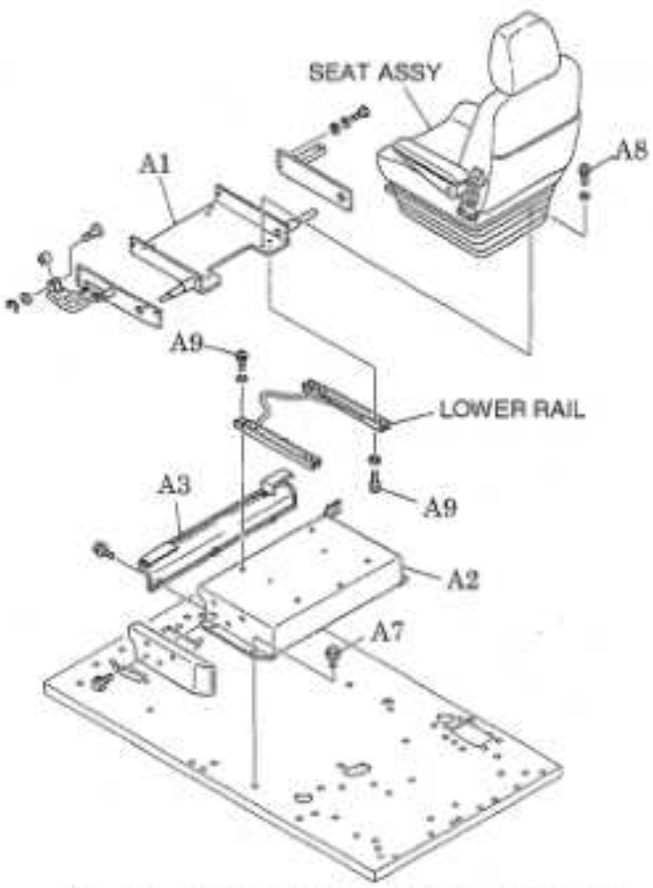


Fig. 1-2 Disassembling and Assembling seat

1.2 INSTALLATION

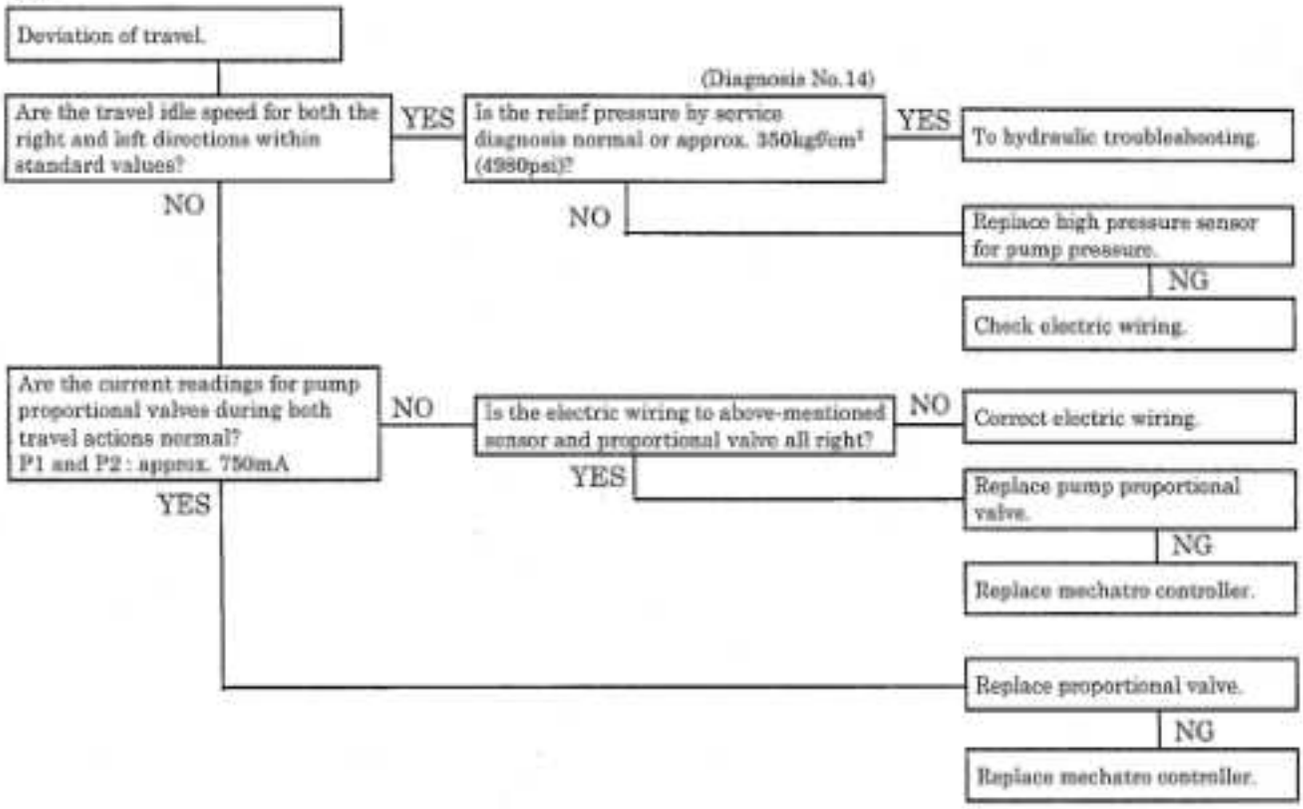
Install it in reverse procedure of removing according to the tightening torque table.

Tightening position	Allen wrench HEX	Tightening torque kgf·m (lbf·ft)
Sems bolt (A7)	17	4.7 (34)
Capscrew (A8), (A9)	6	4.3 (31)

Reference : Movement on rail
Upper rail ····· Fixed on lower surface of seat
[Forward 80mm (0.26in), backward 80mm (0.26in)]
Lower rail ····· Fixed on seat stand.
[Forward 60mm (0.19in), backward 60mm (0.19in)]
Amount of adjustment of seat height
[Up; 23mm (0.07in), down; 37mm (0.16in)]

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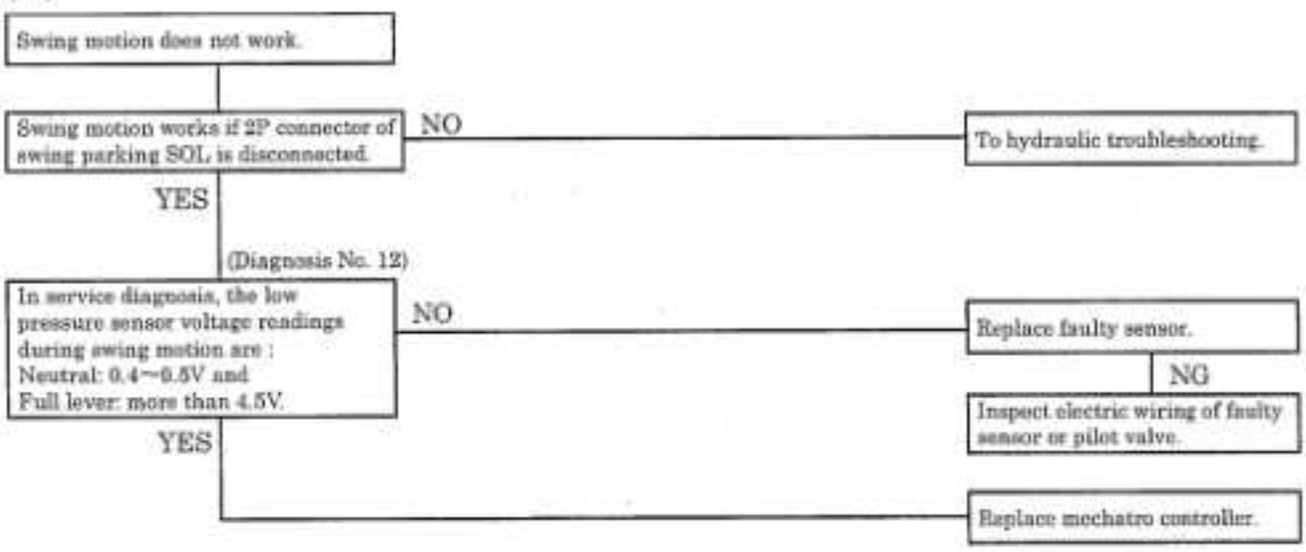
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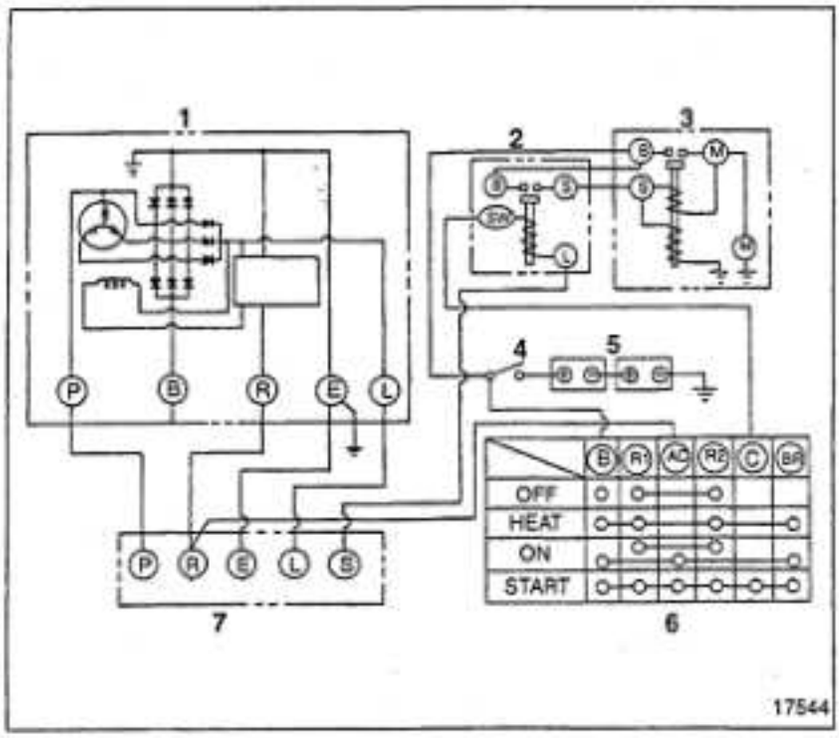
(9)



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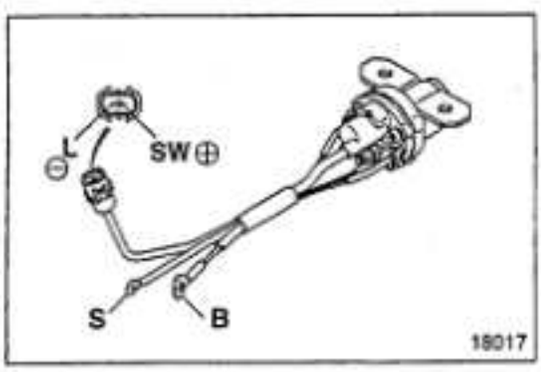
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1 Alternator P54-12
2 Starter relay
3 Starter P54-20
4 Battery switch
5 Battery
6 Starter switch
7 Safety relay

Service standards

Location	Maintenance item	Standard value	Limit	Remedy
4	Safety relay	Approx. 200Ω	—	Replace



◆ Service procedure

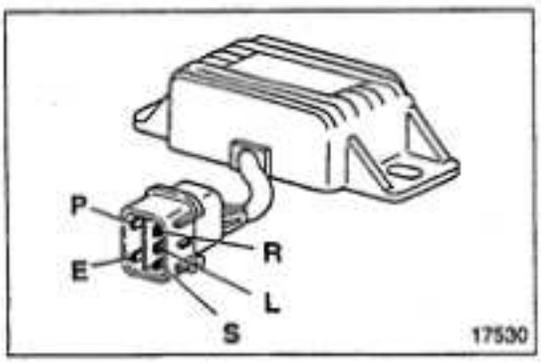
2 Inspection of starter relay

- Perform continuity checks according to the following table.

	B	S	SW	L
When no current is supplied			○	○
When current is supplied	○	○	⊕	⊖

○—○ There is continuity between terminals.
⊕—⊖ Terminals to which 24V DC is applied

- If there is anything wrong, replace the starter relay **2**.

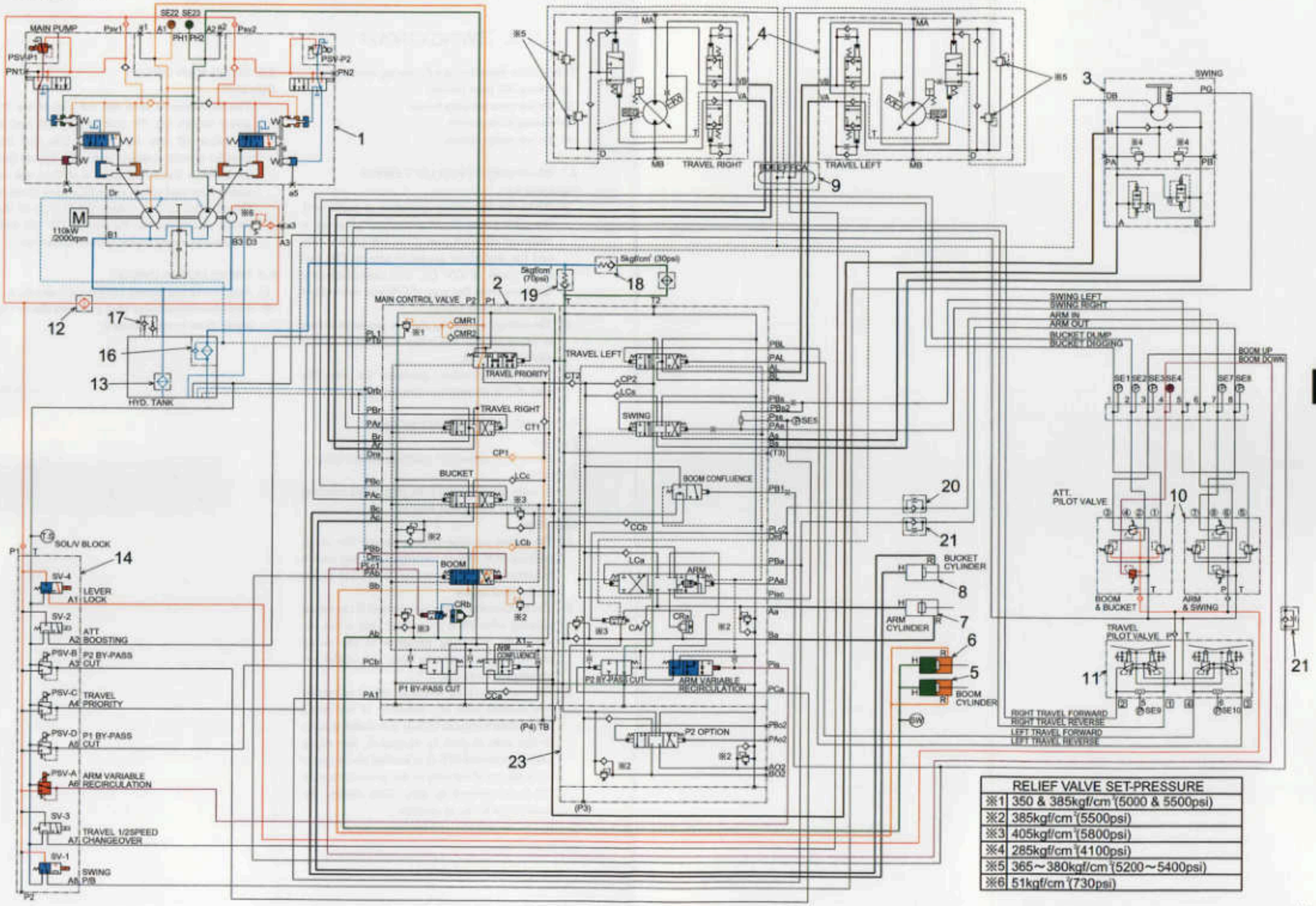


4 Inspection of safety relay

Measure the resistance value between terminals **R-L**. If the reading is out of the standard value, replace the safety relay **4**.

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KCME STD



RELIEF VALVE SET-PRESSURE	
※1	350 & 385kgf/cm²(5000 & 5500psi)
※2	385kgf/cm²(5500psi)
※3	405kgf/cm²(5800psi)
※4	285kgf/cm²(4100psi)
※5	365～380kgf/cm²(5200～5400psi)
※6	51kgf/cm²(730psi)

BOOM CIRCUIT:Boom down operation & Prevention of natural boom falling.

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