KOBELCO

SERVICE MANUAL

HYDRAULIC EXCAVATOR

SK25SR-2

S5PV0101E

APPLICABLE:
PV08-20001~
PV09-22001~

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SHOP MANUAL SK25SR-2 PV02

SPECIFICATIONS

TABLE OF CONTENTS

1. COMPONENTS NAME 1-1
2. MACHINE DIMENSIONS 1-2
3.SPECIFICATIONS AND PERFORMANCE 1-3
4.MACHINE & COMPONENTS WEIGHT (DRY) 1-4
5.TRANSPORTATION 1-5
6.TYPE OF CRAWLER SHOES 1-7
7.TYPE OF BUCKET 1-7
8.MACHINE LIFTING PROCEDURE 1-8
9.WORKING RANGES 1-9
10.LIFTING CAPACITIES 1-10
11.ENGINE SPECIFICATIONS 1-13

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SHOP MANUAL SK25SR-2

PV03

ATTACHMENT DIMENSIONS

TABLE OF CONTENTS

1. BOOM
   - 1.1 Boom dimension 1-1
   - 1.2 Boom maintenance standards 1-2
2. ARM
   - 2.1 Arm dimension 1-4
   - 2.2 Arm maintenance standards 1-5
3. BUCKET
   - 3.1 Bucket dimension 1-7
   - 3.2 Detail dimension of lug section 1-8
   - 3.3 Detail dimension of boss section 1-9
4. DOZER
   - 4.1 Dozer dimension 1-10
   - 4.2 Dozer maintenance standards 1-11
5. SWING
   - 5.1 Swing bracket dimension 1-12
   - 5.2 Swing maintenance standards 1-13

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Book Code No.
S5PV1101E ②

SHOP MANUAL SK25SR-2

PV11

TOOLS

TABLE OF CONTENTS

1. TORQUE SPECIFICATIONS FOR CAPSCREWS AND NUTS 1-1
2. SCREW SIZES TO TOOL SIZES 1-2
3. TORQUE SPECIFICATIONS FOR JOINTS AND HOSES 1-2
4. TORQUE SPECIFICATIONS FOR SLEEVE TYPE TUBE FITTINGS 1-3
5. PLUGS 1-4
6. SPECIAL SPANNERS FOR TUBES 1-6
7. APPLICATION OF SCREW LOCKING AND SEALING COMPOUNDS 1-6
8.COUNTERWEIGHT LIFTTING JIG 1-7

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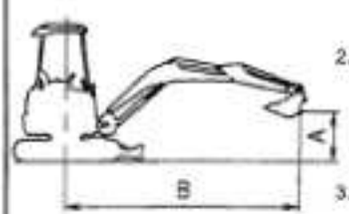
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Machine : SK25SR-2 KAI

SK25SR LIFTING CAPACITIES

Based on machine equipped with
Arm 1150mm (3'9") arm
Shoe 250mm (9.8") Rubber Shoe
Dozer blade down
With Japanese standard bucket
Bucket weight 47 kg (104 lb)

A	B	LOAD RADIUS									
		5.0'	(1.5m)	7.5'	(2.3m)	10.0'	(3.0m)	12.5'	(3.8m)	15.0'	(4.6m)
	lb										
	kg										
10' (3.0m)	lb					* 960	* 960				
	kg					* 430	* 430				
7.5' (2.3m)	lb					* 990	* 990				
	kg					* 450	* 450				
5' (1.5m)	lb	* 3070	* 3070	* 1560	1530	* 1170	* 960	* 1010	660		
	kg	* 1390	* 1390	* 710	690	* 530	* 430	* 450	300		
2.5' (0.8m)	lb			* 2130	1410	* 1390	* 910	* 1080	640		
	kg			* 960	630	* 630	* 410	* 490	290		
GROUND LEVEL	lb	* 1950	* 1950	* 2340	1340	* 1510	* 870	* 1100	620		
	kg	* 880	* 880	* 1060	610	* 680	* 390	* 500	280		
-2.5' (-0.8m)	lb	* 3360	* 2740	* 2190	1340	* 1460	* 860				
	kg	* 1520	* 1240	* 990	600	* 660	* 390				
-5' (-1.5m)	lb	* 2760	* 2760	* 1720	1360						
	kg	* 1250	* 1250	* 780	610						



1. Do not attempt to lift or hold any load that is greater than these rated values at their specified load radius and height. Weight of all accessories must be deducted from the above lifting capacities.
2. Lifting capacities are based on machine standing on level,firm,and uniform ground.
   User must make allowance for job conditions such as soft or uneven ground out of level conditions,side loads,sudden stopping of loads, hazardous conditions, experience of personnel, etc.
3. Ratings bucket lift hook.
4. The above rated loads are in compliance with BS1757:1986. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
   Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.
5. Operator should be fully acquainted with the operator's and Maintenance Instructions before operating this machine and rules for safe operation of equipment should be adhered to at all times.
6. Capacities apply to only machine as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO.,LTD

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SHOP MANUAL SK25SR-2

ELECTRICAL SYSTEM

TABLE OF CONTENTS

1. HOW TO READ CIRCUIT DIAGRAM AND HARNESS CONNECTION 1-1
2. ELECTRIC CIRCUIT DIAGRAM 1-3
3. ELECTRICAL EQUIPMENT & HARNESS 1-5
   [Applicable Machines SK25SR-2 : PV08-20001~]
   - 3.1 Electrical Equipment List 1-5
   - 3.2 Harness & Cable List 1-5
   - 3.3 Electrical Equipment & Harness Connection Drawing 1-6
   - 3.4 Arrangement Drawing for Components & Harness 1-7
   - 3.5 Detail of Harness & Cable 1-15

4. ELECTRICAL EQUIPMENT & HARNESS 1-26
   [Applicable Machines SK25SR-2 : PV09-22001~]
   - 4.1 Electrical Equipment List 1-26
   - 4.2 Harness & Cable List 1-26
   - 4.3 Arrangement Drawing for Components & Harness 1-27
   - 4.4 Detail of Harness & Cable 1-39

PV23

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TROUBLESHOOTING
(HYDRAULIC SYSTEM)

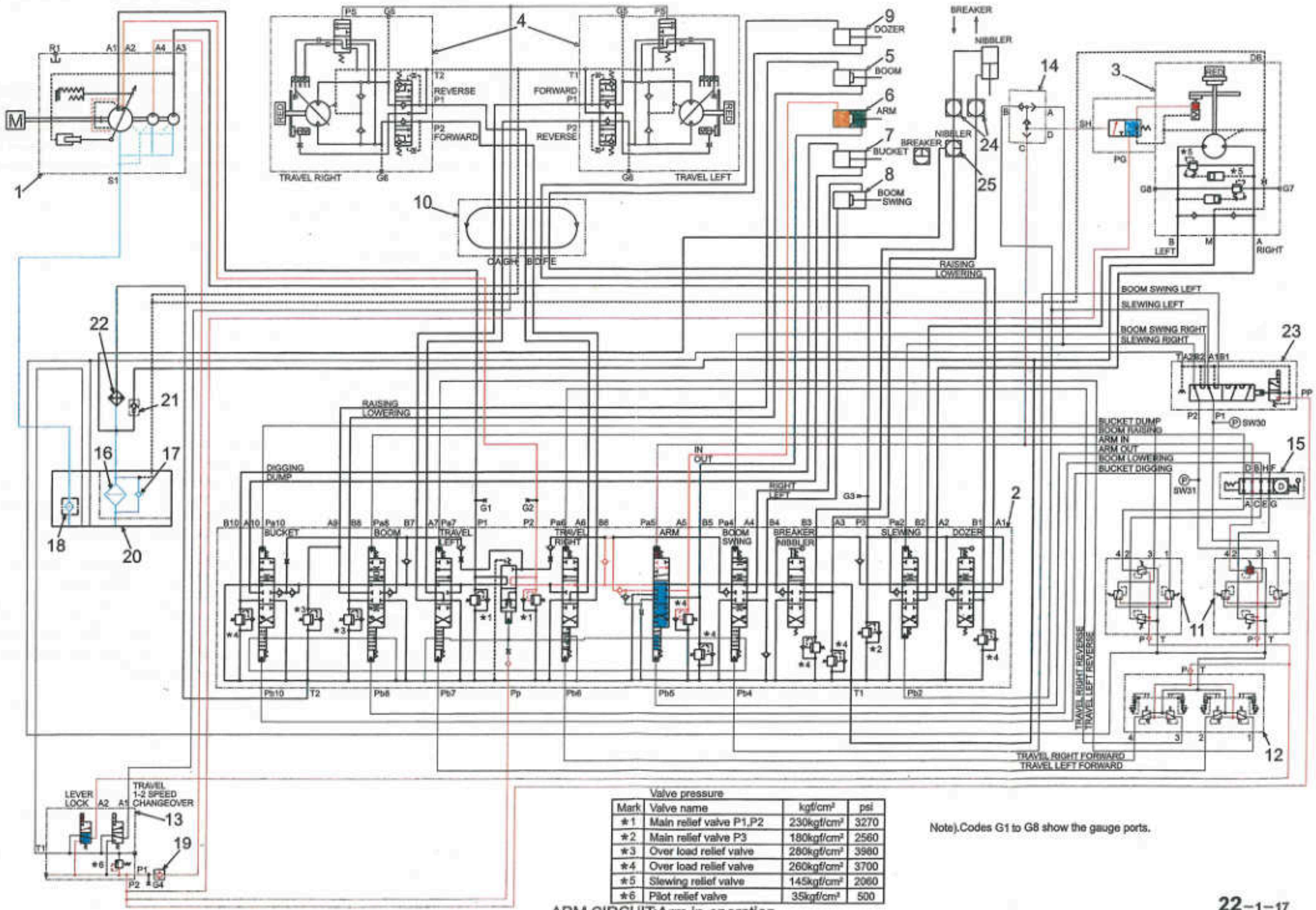
TABLE OF CONTENTS

1. GENERAL PRECAUTIONS 1-1
2. TROUBLE DIAGNOSIS : HYDRAULIC 1-2
3. TROUBLESHOOTING
   - 1- (1) Attachment operational failure. 1-3
   - 1- (2) Attachment speed is slow. 1-3
   - 1- (3) Attachment operating power is low. 1-3
   - 1- (4) Malfunction of attachment. 1-4
   - 2- (1) Travel operation error. 1-5
   - 2- (2) Travel speed is slow. 1-5
   - 2- (3) Travel operating power is low. 1-6
   - 2- (4) It deviates in travel independent operation. 1-6
   - 3- (1) Slewing error. 1-7
   - 3- (2) Slewing speed is slow. 1-7
   - 3- (3) Slewing operating power is low. 1-7
   - 3- (4) Slewing operational failure. 1-8
   - 4- (1) The engine speed lowers. 1-8
   - 4- (2) Malfunction of pump. 1-8

PV42

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Valve pressure			
Mark	Valve name	kgf/cm²	psi
★1	Main relief valve P1,P2	230kgf/cm²	3270
★2	Main relief valve P3	180kgf/cm²	2560
★3	Over load relief valve	280kgf/cm²	3980
★4	Over load relief valve	260kgf/cm²	3700
★5	Slewing relief valve	145kgf/cm²	2060
★6	Pilot relief valve	35kgf/cm²	500

Note).Codes G1 to G8 show the gauge ports.

ARM CIRCUIT:Arm in operation

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