KOBELCO

SERVICE MANUAL

Hydraulic Excavator

230SRLC-3

Tier 4

S5YB0016E01

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1st Edition

APPLICABLE:
230SRLC-3 . . . . . LA07-03001~

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1 - SPECIFICATIONS

SECTION 1 - OUTLINE

BOOK 1 - 47455066

CONTENTS

Section	Description	Page
1.1	GENERAL PRECAUTIONS FOR MAKING REPAIRS	1-3
1.1.1	PREPARATION BEFORE DISASSEMBLING	1-3
1.1.2	SAFETY WHEN DISASSEMBLING AND ASSEMBLING	1-3
1.1.3	DISASSEMBLING AND ASSEMBLING HYDRAULIC EQUIPMENT	1-4
1.1.4	ELECTRICAL EQUIPMENT	1-6
1.1.5	HYDRAULIC PARTS	1-7
1.1.6	WELD REPAIR	1-7
1.1.7	ENVIRONMENTAL ISSUES	1-7
1.2	INTERNATIONAL UNIT SYSTEM	1-8

SECTION 2 - SPECIFICATIONS

BOOK 1 - 47455066

CONTENTS

Section	Description	Page
2.1	NAME OF COMPONENTS	2-3
2.2	GENERAL DIMENSIONS	2-4
2.2.1	230SRLC-3/230SRLC-3 [5.62m (18ft-5in) Boom+2.87m (9ft-5in) Standard Arm + 0.80m3 (1.05cu-yd) Bucket]	2-4
2.3	WEIGHT OF COMPONENTS	2-5
2.4	TRANSPOTATION	2-7
2.4.1	OVERALL DIMENSIONS OF MACHINE ON A TRAILER	2-7
2.4.2	DIMENSIONS OF ATTACHMENT	2-8
2.5	SPECIFICATIONS AND PERFORMANCE	2-10
2.5.1	SPEED AND CLIMBING CAPABILITY	2-10
2.5.2	ENGINE	2-10
2.5.3	HYDRAULIC COMPONENTS	2-10

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SECTION 2 - SPECIFICATIONS (CONT)

BOOK 1 - 47455066

CONTENTS

Section	Description	Page
2.5.4	WEIGHT	2-10
2.6	TYPE OF CRAWLER	2-11
2.7	TYPE OF BUCKET	2-12
2.8	COMBINATIONS OF ATTACHMENT	2-13
2.9	ENGINE SPECIFICATION	2-14
2.9.1	SPECIFICATIONS	2-14
2.9.2	ENGINE CHARACTERISTIC CURVE (HINO J05E-TJ)	2-15

SECTION 3 - ATTACHMENT DIMENSIONS

BOOK 1 - 47455066

CONTENTS

Section	Description	Page
3.1	BOOM	3-3
3.1.1	BOOM DIMENSIONAL DRAWING	3-3
3.1.2	BOOM MAINTENANCE STANDARD	3-4
3.2	ARM	3-6
3.2.1	ARM DIMENSIONAL DRAWING	3-6
3.2.2	ARM MAINTENANCE STANDARD	3-7
3.3	BUCKET	3-10
3.3.1	BUCKET DIMENSIONAL DRAWING	3-10
3.3.2	BUCKET DIMENSIONAL TABLE	3-11
3.3.3	LUG SECTION DIMENSIONAL DRAWING	3-12
3.3.4	BOSS SECTION DIMENSIONAL DRAWING	3-13

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2 - MAINTENANCE

SECTION 11 - TOOLS

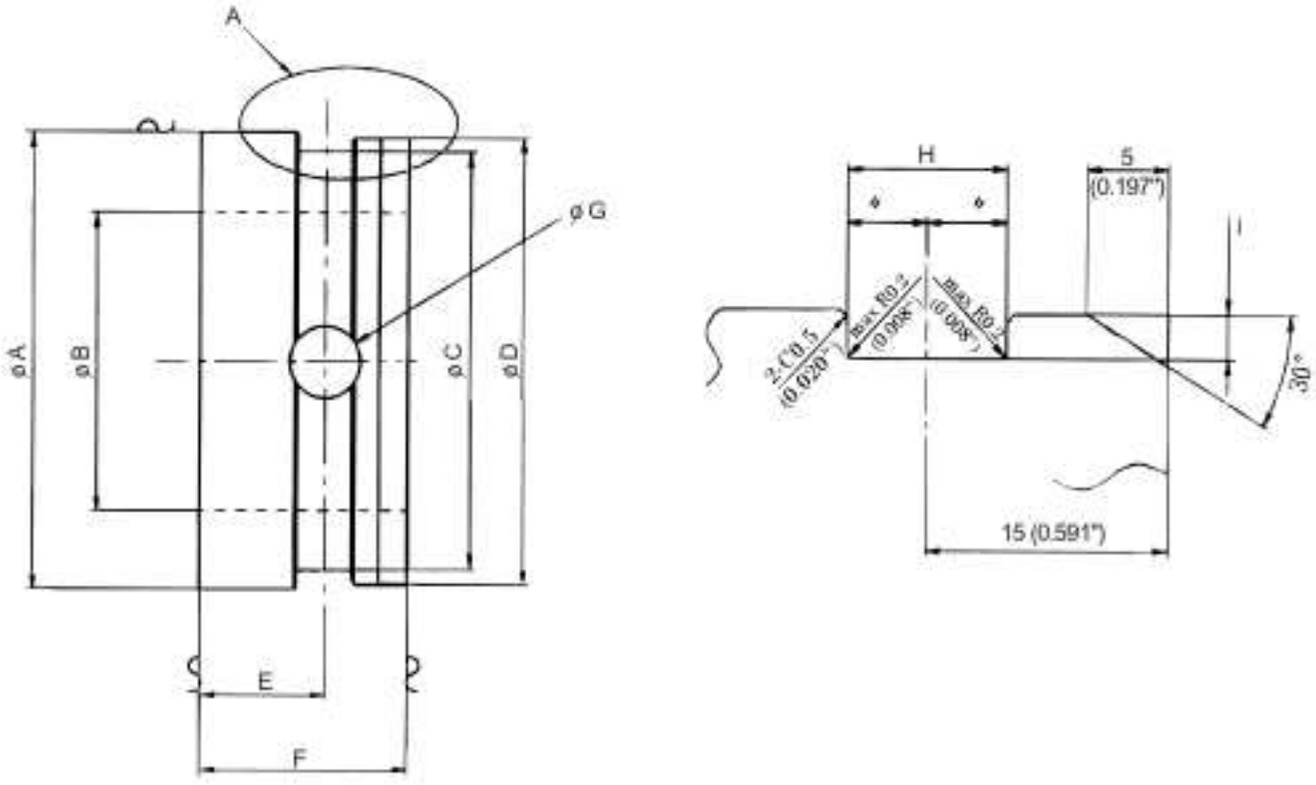
BOOK 1 - 47455066

CONTENTS

Section	Description	Page
11.1	TIGHTENING TORQUES FOR CAPSCREWS AND NUTS	11-3
11.2	SCREW SIZE	11-5
11.2.1	CAPSCREW (BOLT)	11-5
11.2.2	CAPSCREW (SOCKET BOLT)	11-5
11.2.3	SOCKET SET SCREW	11-5
11.3	TIGHTENING TORQUE FOR HOSE AND FITTING	11-6
11.3.1	JOINT (O-RING TYPE)	11-6
11.3.2	HYDRAULIC HOSE (30 DEG. FLARE TYPE)	11-6
11.3.3	JOINT (ORS TYPE)	11-6
11.3.4	SPLIT FLANGE	11-6
11.4	TIGHTENING TORQUES FOR NUTS AND SLEEVES	11-7
11.5	PLUGS	11-8
11.5.1	PLUG FOR HYDRAULIC PIPE JOINT	11-8
11.5.2	PLUG FOR HYDRAULIC EQUIPMENT	11-9
11.6	SPECIAL SPANNER FOR TUBE	11-11
11.7	SPECIAL TOOLS	11-12
11.8	APPLICATION OF SCREW LOCKING COMPOUND AND SEALING COMPOUND	11-14
11.9	SUCTION STOPPER	11-15
11.9.1	COMPONENTS	11-15
11.9.2	DIMENSION	11-15
11.9.3	APPLICABLE MODEL	11-15
11.10	COUNTER WEIGHT LIFTING JIG	11-16
11.11	UPPER FRAME LIFTING JIG	11-17
11.12	ENGINE MOUNTING PEDESTAL	11-19
11.13	TRACK SPRING SET JIG	11-23

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3.3.4 BOSS SECTION DIMENSIONAL DRAWING



Dimension of boss section

Unit : mm (ft-in)

Type of bucket	Capacity of bucket m³ (cu·yd)	Part No. of bucket	Part No. of boss	øA	øB	øC	øD	E	F	øG	H	I
Normal digging	[STD] 0.80 (0.70)	YN61B00361F1	YB61B01002P1	114.3 (4.50")	84 (3.31")	105.5 (4.15")	111.5 (4.39")	23 (0.91")	38 (1.50")	17 (0.669")	13 (0.512")	2.5 (0.098")
	0.51 (0.45)	YN61B00287F1										
	0.70 (0.61)	YN61B00286F1										
	0.93 (0.80)	YN61B00288F1										

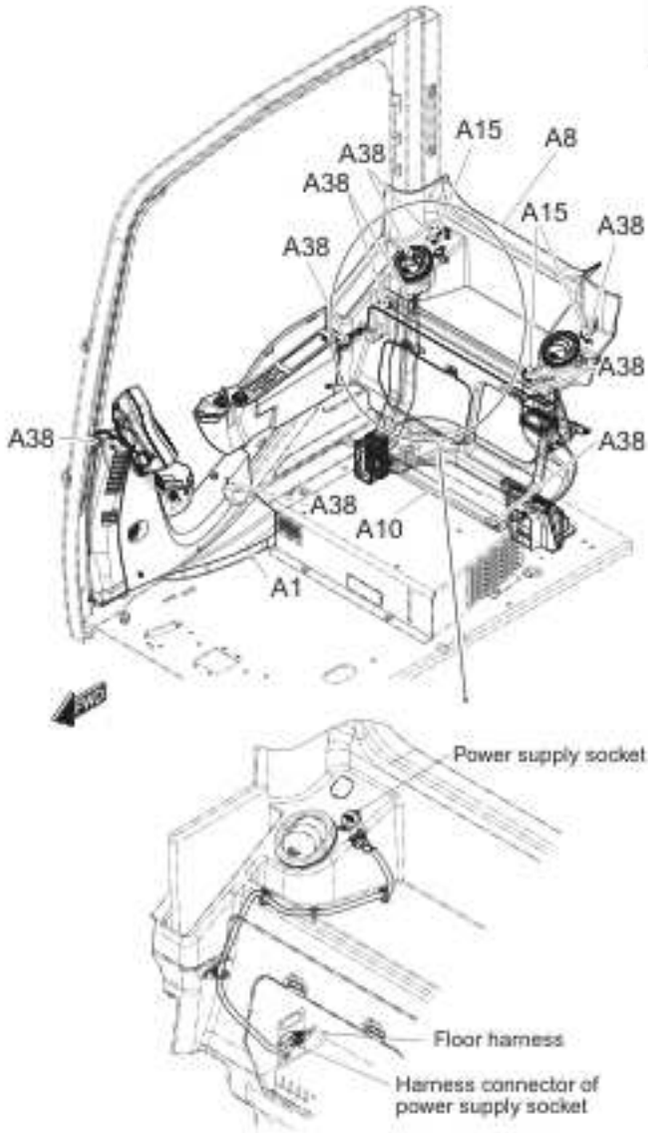
Bucket capacity : SAE heaped (Struck)

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33.1.2 CAB

33.1.2.1 REMOVAL

(1) Remove floor mat.
(2) Remove cover assy (A8).
1.
Remove 5 caps (A15) and loosen 7 sems bolts (A38) M6X20.
Tools: Phillips screwdrive
2.
Disconnect harness connector of power socket and remove cover assy (A8).
(3) Removal of cover assy (A10).
1.
Loosen 2 sems bolts (A38) M6X20.
Tools: Phillips screwdriver
2.
Remove cover assy (A10).
(4) Removal of harness connector.
(See Chapter 23 "Electric System")
1.
Disconnect connectors of cab harness at rear right of cab.
2.
Disconnect antenna cable for tuner located at rear left of cab.
3.
Disconnect harness for cab light located at rear left of cab.
(5) Removal of cover assy (A1).
1.
Loosen 2 sems bolts (A38) M6X20.
Tools: Phillips screwdriver
2.
Disconnect harness connector of hour-meter and remove cover assy (A1).
(6) Remove plastic tube for window washer located at right front of cab.



Disassembly and assembly of right panels (A1), (A8) and (A10)

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Table 46-95

Error code	I313		
Trouble	Reception of cluster communication is abnormal. (Time-out error)		
Judging condition	Reception from gauge cluster can not receive correctly.		
Symptom	Switch operation of gauge cluster can not be done.		
Control in the event of failure	Keep the condition after immediately key-on is operated.		
Returned in normal condition	It returns automatically in normal condition.		
Service diagnosis checking screen	Screen No.		
	Screen No.		
	Screen No.		

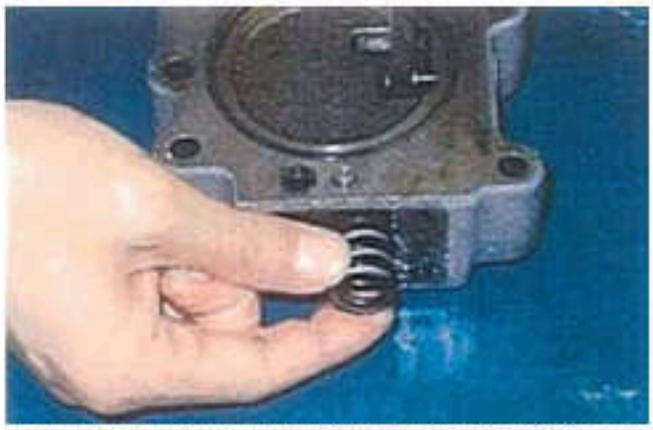
	Checking object	Checking contents and remedy
1	-Wiring between gauge cluster and controller CN-600F CN-101F	Check wiring for possible failure according to the wiring checking procedure and repair it if necessary.
2	-Mechatro controller	Check that the error is corrected after replacement of controller.

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CAUTION

Operate the feedback lever and make sure that it does not have much looseness and that it operates without catching.

4. nstalling spring seat, pilot spring and plunger (See Fig. "Regulator exploded view")
   Place spring seat (624), pilot spring (646) and plunger (627) into the hole in the sleeve.
5. Installing cover (See Fig. "Regulator exploded view")
   Attach cover (656) to casing (601) and fasten them together with socket bolts (402).



Installing spring seat (624), pilot spring (646) and plunger (627)

Note

The cover is fitted with set screw (924) and hex nut (801).

6. Assembling the Pf sleeve and the pilot piston (See Fig. "Regulator exploded view")
   Assemble Pf sleeve (631) and pilot piston (643) into casing (601).



Assembling the sleeve (631) and the pilot piston (643).

7. Installing valve casing (See Fig. "Regulator exploded view")
   Attach valve casing (325) fitted with solenoid proportional reducing valve (079) to casing (601) and fasten them together with socket bolts (407)(408).

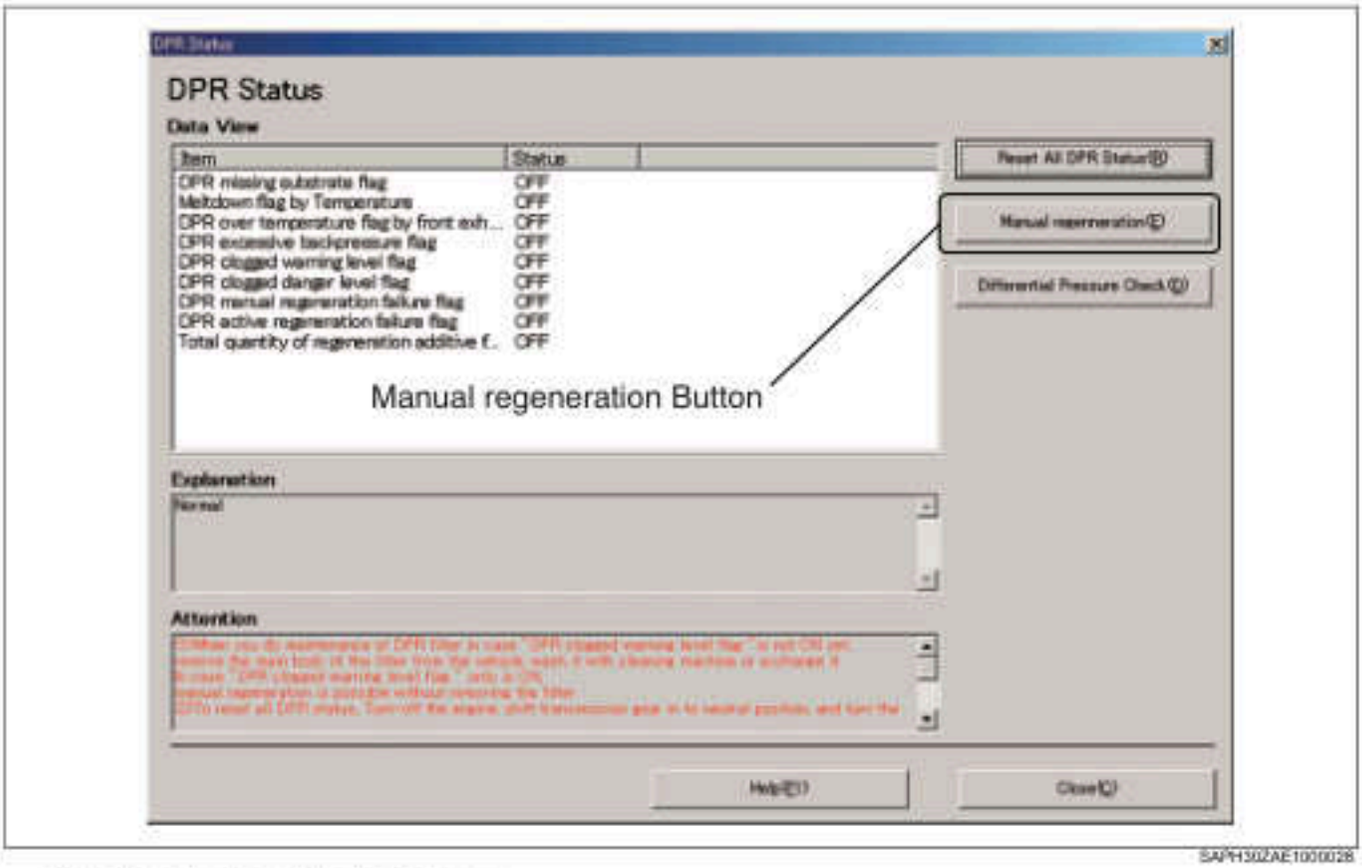
   This completes assembly.



Installing valve casing (325)

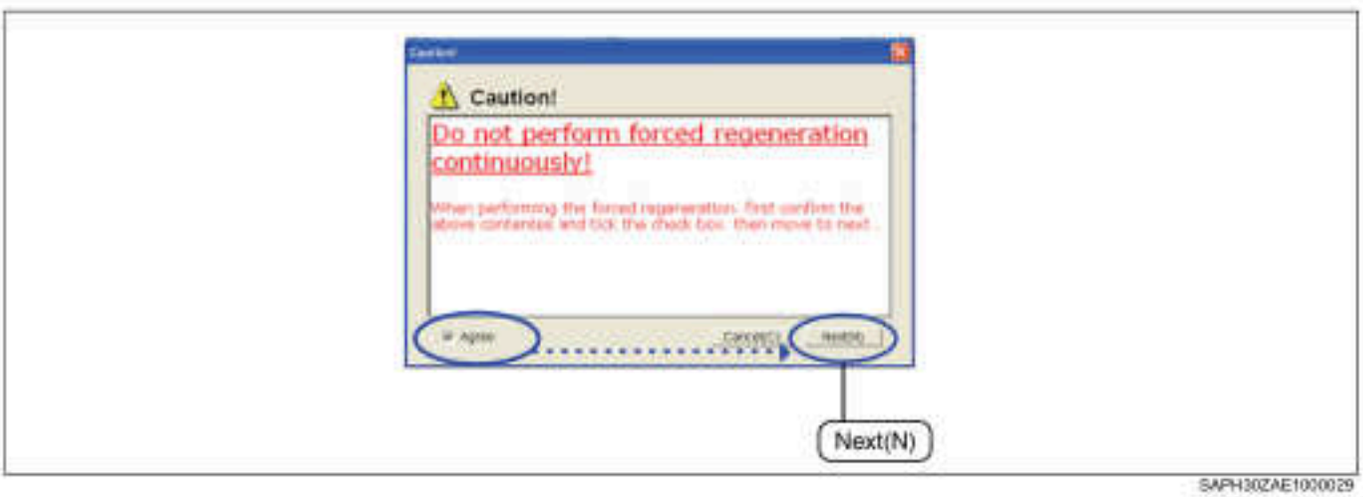
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(5) Click the "Manual regeneration" button in the DPR status window.



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(6) The "Caution window" will appear.

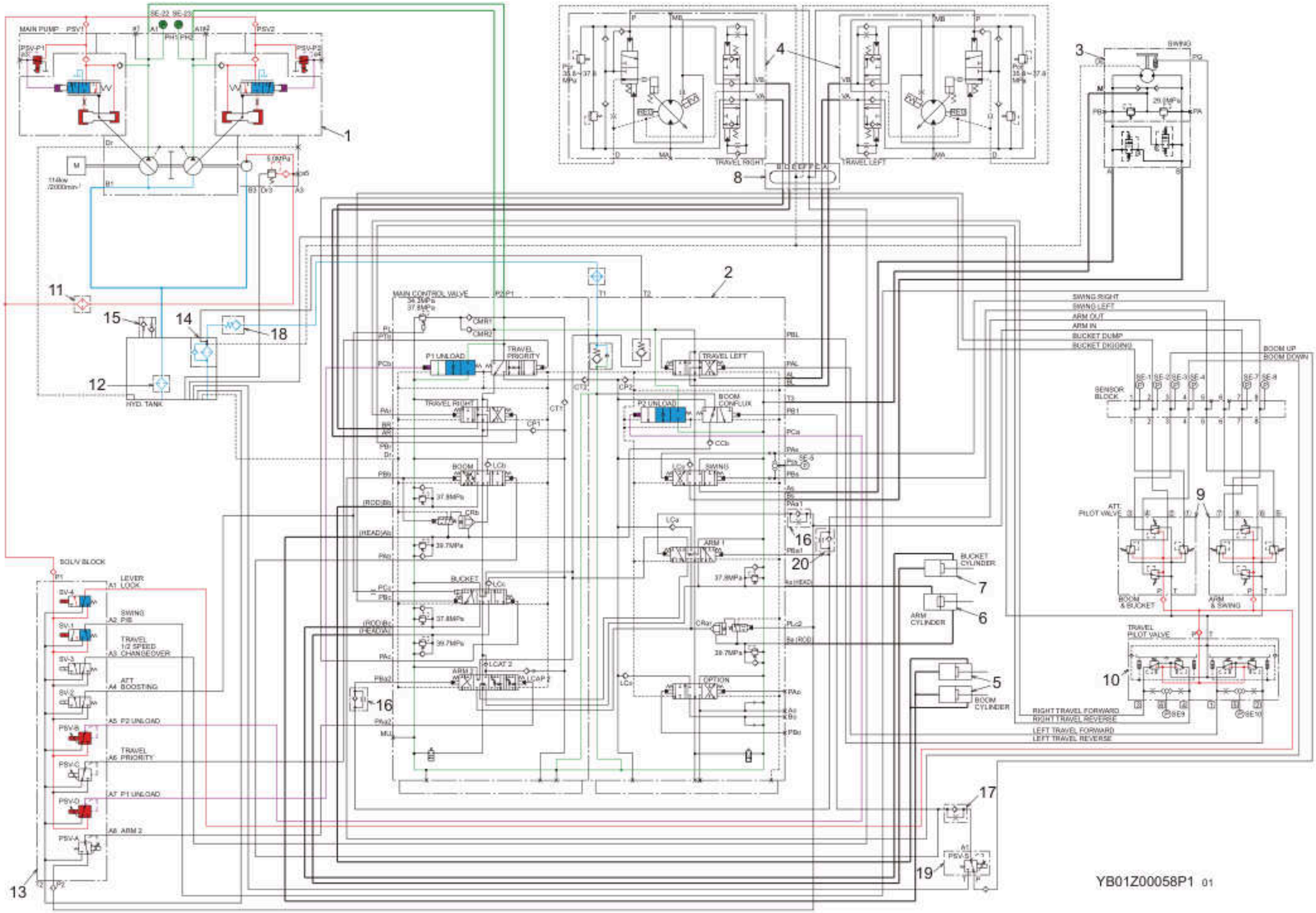


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a. Read the caution and accept its by clicking in the "Agree" check box on the left.
b. If you click "Next" button, the "Manual regeneration" window will appear.

⚠ **CAUTION** • **The "Next" button is not displayed unless you check "Agree".**

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PRESSURE DRAIN (RELEASE) CIRCUIT : At pressure release mode.

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