KOBELCO

SERVICE MANUAL

Hydraulic Excavator

80CS-2 Acera

S5LF0012E01

Issued November 2010

APPLICABLE:
80CS-2 Acera . . . . . LF06-04501 and higher

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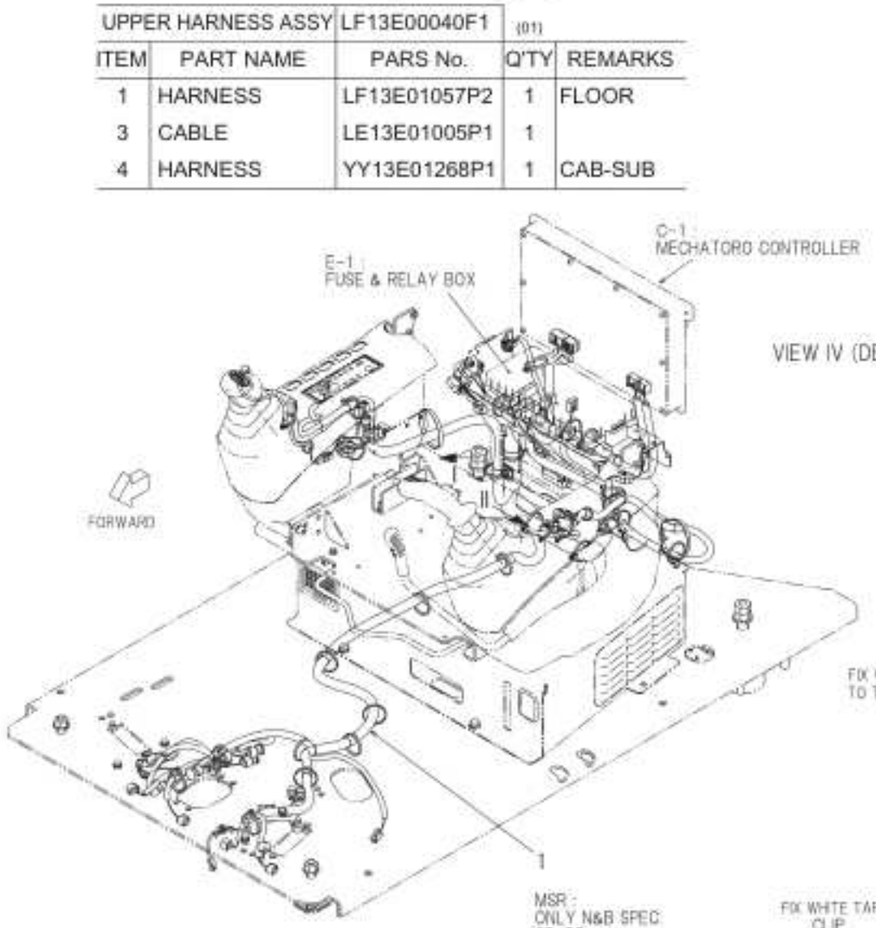
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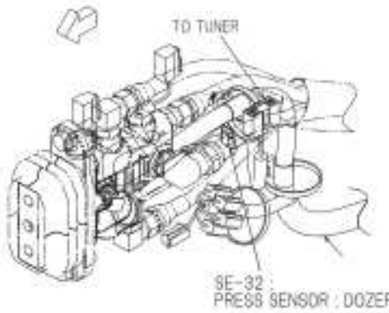
Code	Item	Dimension		Code	Item	Dimension	
		1.87m (6'2") Arm	2.13m (7'0") Arm			1.87m (6'2") Arm	2.13 m (7'0") Arm
C	Arm length	1,870 (6'2")	2,130 (7'0")	M	Boss width	210 (8.27")	<--
D	Distance between pins of boss and bracket	R497 (19.6")	R515.5(20.3")	N	Bracket inner width	100 (3.94")	<--
D1	I.D of boss	ø65 (2.56")	<--	O	Bracket inner width	90 (3.54")	<--
D2	I.D of boss	ø60 (2.36")	<--	P	Link dimension	436.5 (17.2")	<--
D3	I.D of boss	ø75 (2.95")	<--	Q	Link dimension	380±0.5 (14.7" ±0.0197")	<--
E'	Distance between pins of boss and bracket	R1,512.5 (4'12")	R1,504 (4'11")	R	Height between pins of boss and center	15 (0.591")	<--
F'	Distance between of boss and boss	R240 (9.45")	<--	d1	Pin dia.	ø50 (1.97")	<--
G	Height between pins of boss and bracket	405.5 (16.0")	<--	d2	Pin dia.	ø50 (1.97")	<--
H	Height between pins of boss and bracket	212 (8.35")	313 (12.3")	d3	Pin dia.	ø60 (2.36")	<--
J	Arm top end width (with bushing)	180 (7.09")	<--	d4	Pin dia.	ø60 (2.36")	<--
K	Boss width	162 (6.38")	<--	d5	Pin dia.	ø50 (1.97")	<--
L	Arm top end	180 (7.09")	<--				

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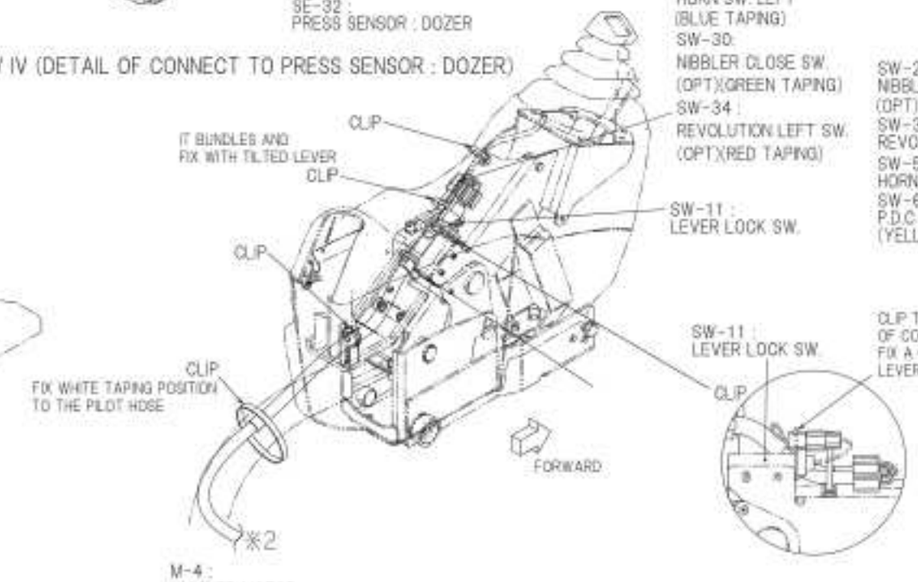
23.3.7 UPPER HARNESS ASSY (FLOOR) (1/2)

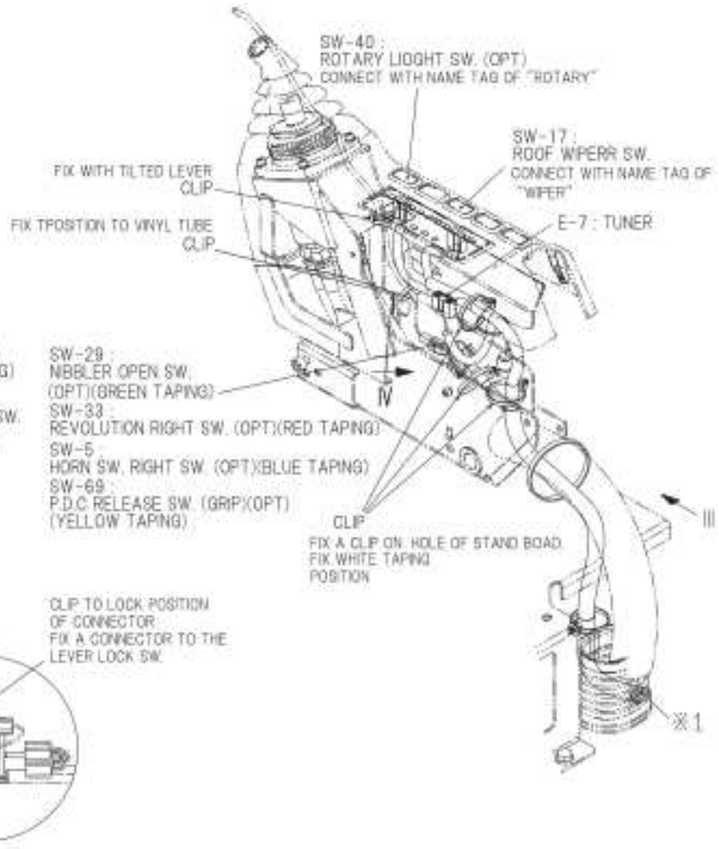
UPPER HARNESS ASSY		LF13E00040F1	(01)	
ITEM	PART NAME	PARS No.	Q'TY	REMARKS
1	HARNESS	LF13E01057P2	1	FLOOR
3	CABLE	LE13E01005P1	1	
4	HARNESS	YY13E01268P1	1	CAB-SUB

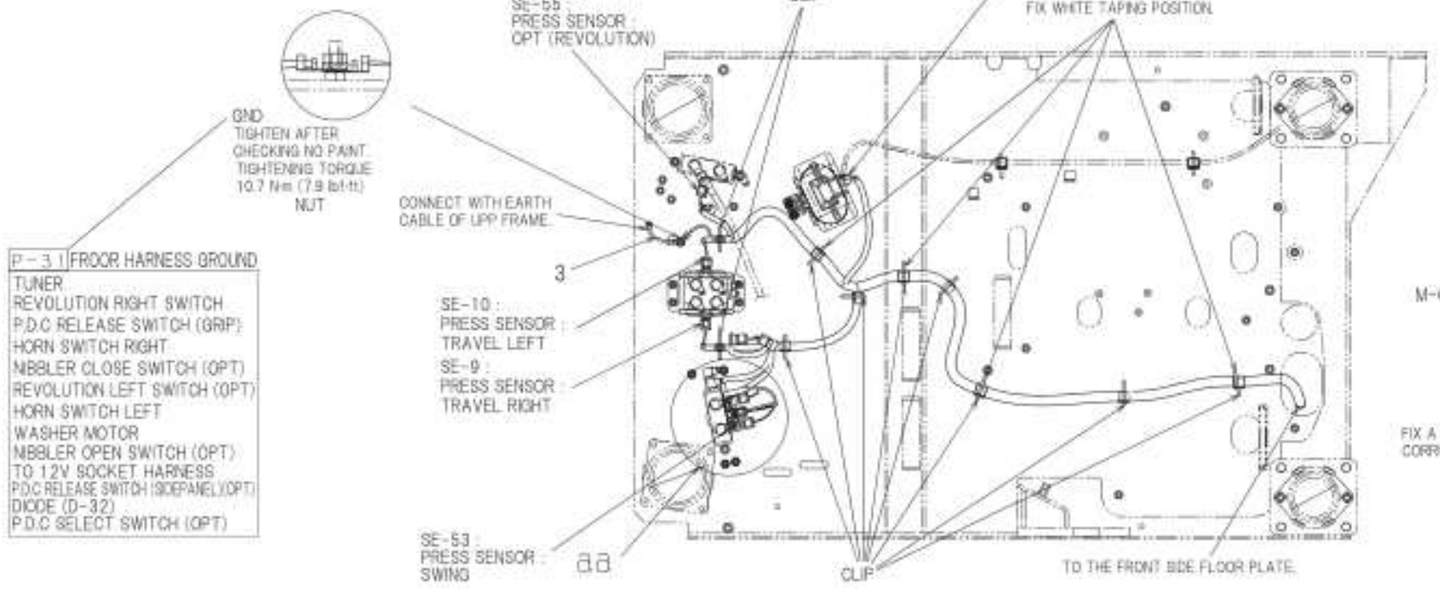




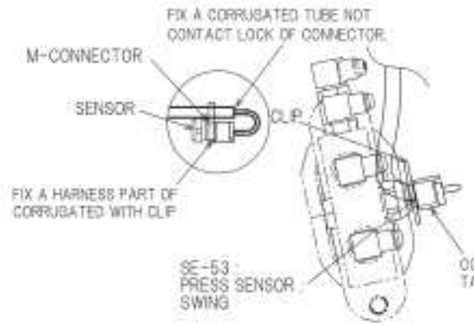
VIEW IV (DETAIL OF CONNECT TO PRESS SENSOR : DOZER)



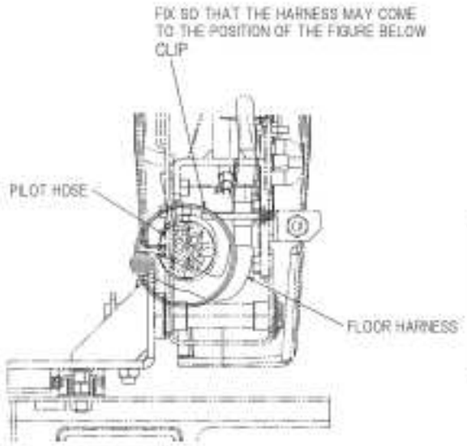




VIEW FROM THE BACK SIDE OF FLOOR PLATE.



DETAIL aa



VIEW III

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Table46-55

Error code	R044

Table46-56

Error code	R134

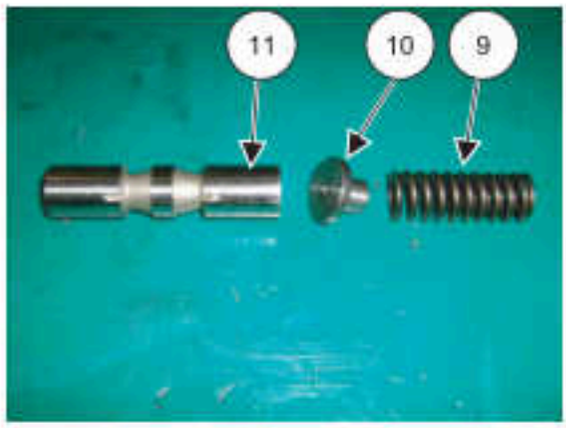
Table46-57

Error code	R144		
Trouble	Swing flasher left relay error		
Judging condition	The mechatro controller output line to swing flasher left relay is short-circuited with the power source.		
Symptom	Left swing flasher does not light.		
Control in the event of failure	Relay output is stopped.		
Returned in normal condition	When the power is OFF		
Service diagnosis checking screen	Screen No.	22	D14
	Screen No.		
	Screen No.		

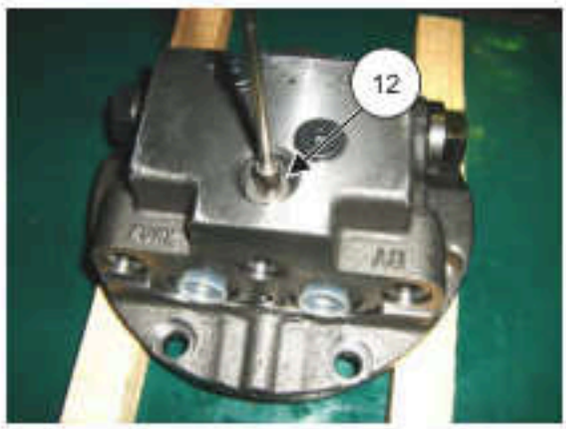
	Checking object	Checking contents and remedy
1	• Swing flasher relay R-19	When error is cancelled after removing connector (CN-74F) of swing flasher relay, check relay unit for failure, replace it with new one if failed. When resistance between relays (HB) and (HC) is 0 Ω, it is in abnormal condition. 
2	• Wiring between swing left flasher relay and controller CN-74F, CN-109F	When R144 is left displayed with the relay removed Check that no power 24V is produced on relay (-) line (as shown right upper figure B) according to the wiring checking procedure and replace it if necessary.
3	• Mechatro controller	Check that the error is corrected after replacement of controller.

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8. Remove the spring (9), pusher (10), and spool (11) from the motor cover. These parts are located under the cover (8).



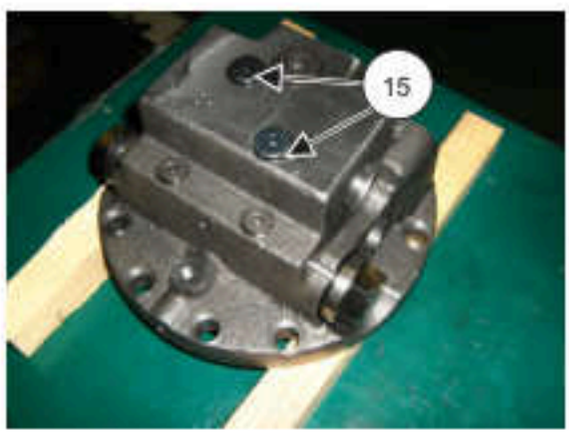
9. Remove the plug (12) from top of the motor cover.



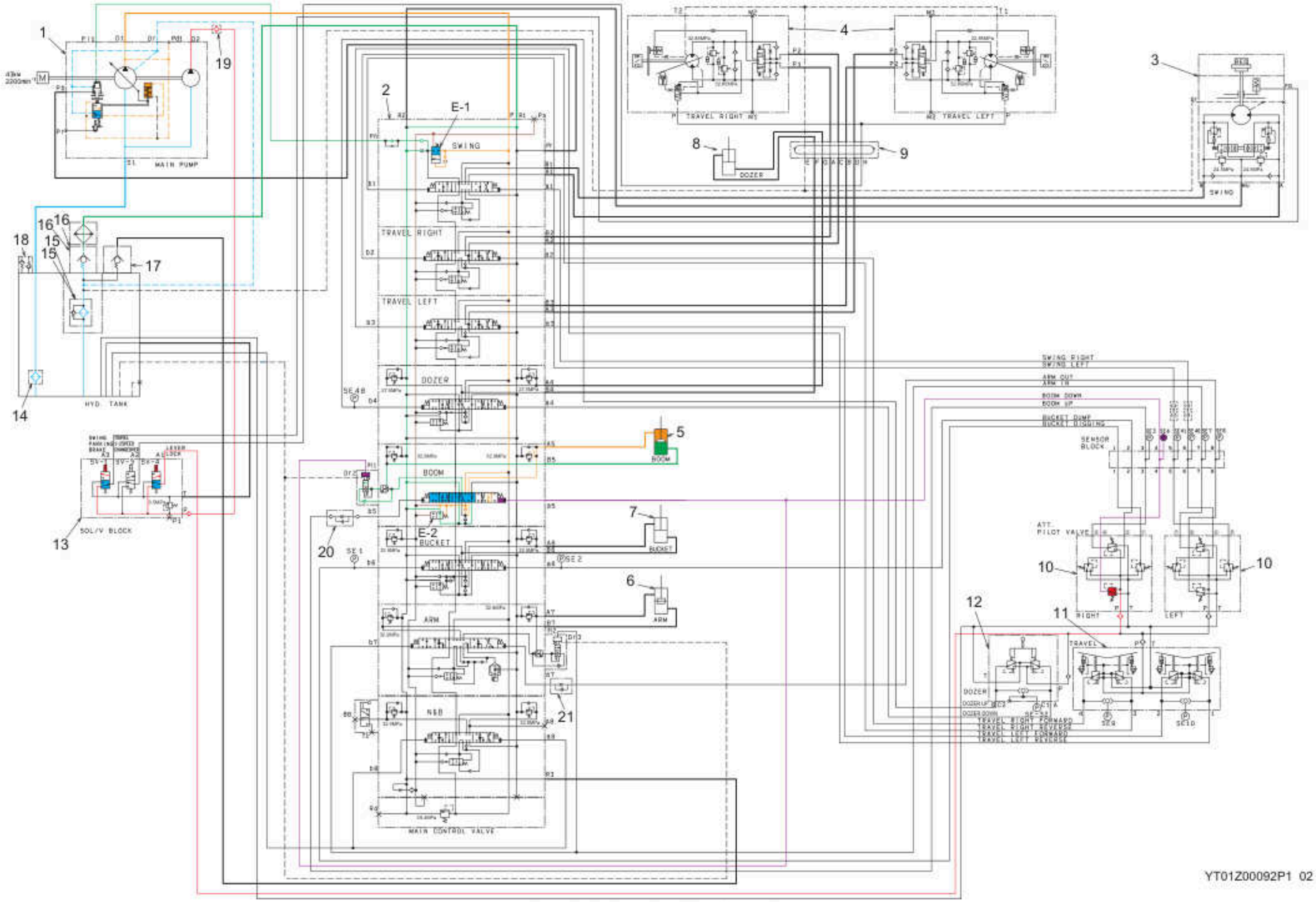
10. Remove the spring (13) and spool (14) from the motor cover. These parts are located under the plug (12).



11. Remove 2 plugs (15).



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YT01Z00092P1 02

Boom circuit: Boom lower (down) operation

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