KOBELCO

SHOP MANUAL

EXCAVATOR

SK260-8

TIER 3

S5YN0118E01 NA

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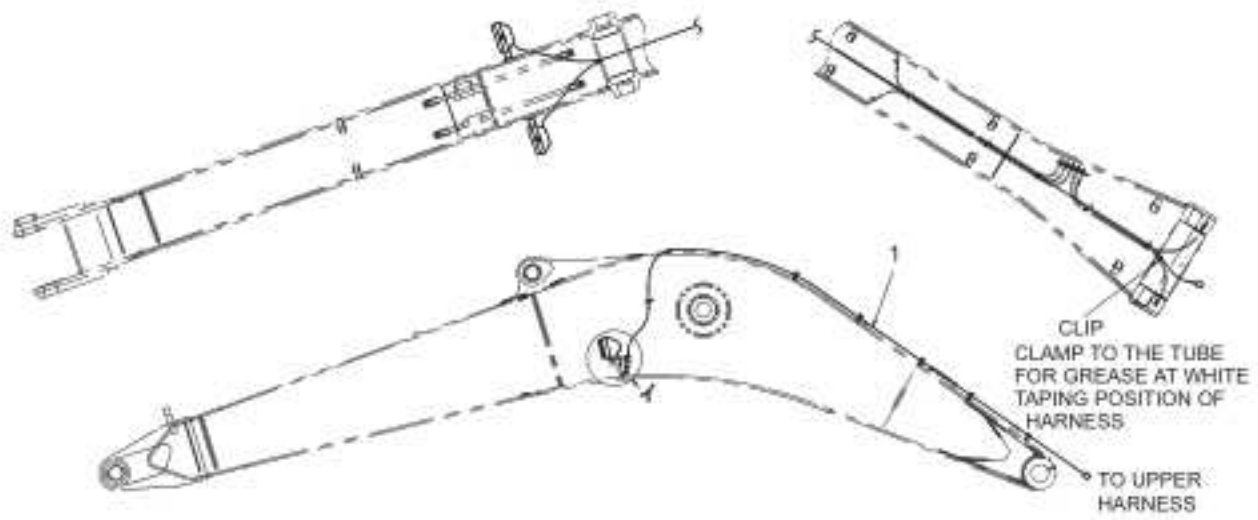
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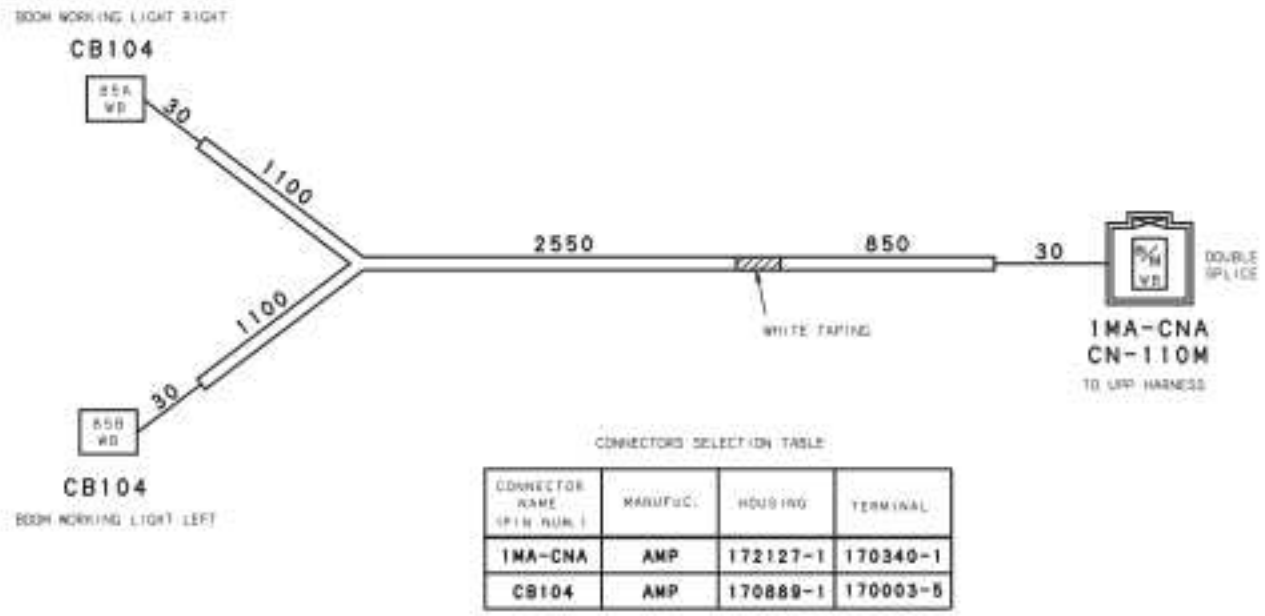
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23.3.8 BOOM CYL. LIGHT HARNESS ASSY

BOOM HARNESS ASSY		LQ15E00015F0	(01)	
ITEM	PART NAME	PART No.	Q'TY	REMARKS
1	HARNESS	LQ15E01004P1	1	BOOM LIGHT



23.3.8-1 BOOM CYL LIGHT HARNESS : LQ15E01009P1

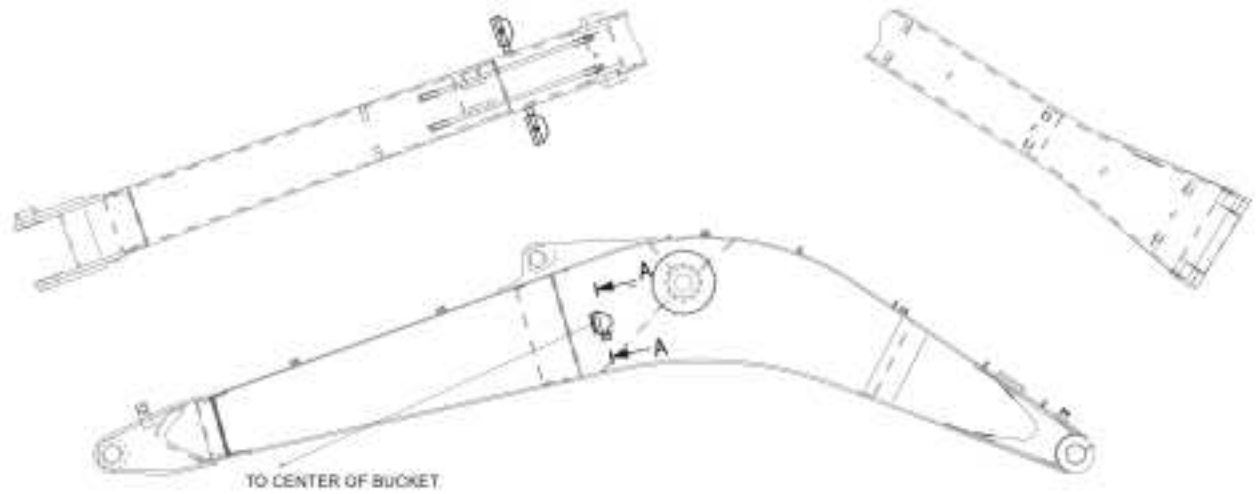


CONNECTORS SELECTION TABLE

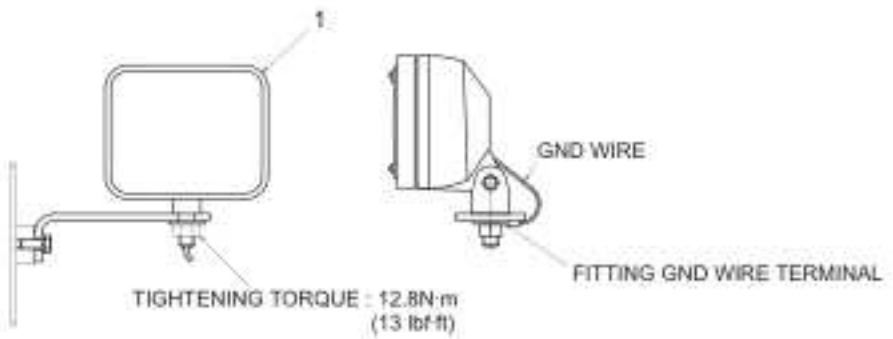
CONNECTOR NAME (PIN NUM.)	MANUFAC.	HOUSING	TERMINAL
1MA-CNA	AMP	172127-1	170340-1
CB104	AMP	170889-1	170003-5

23.3.9 INSTALLING BOOM LIGHT

INSTALLING BOOM LIGHT		YN80E00026F1	(04)	
ITEM	NAME	PARTS No.	Q'TY	REMARKS
1	LIGHT	2456R442F1	2	



INSTALL WORKING LIGHT TO FACE THE CENTER OF BUCKET
WHEN ARM IS COMPLETELY STROKED AT THE END OF PUSHING SIDE
AND BUCKET IS STROKED AT 90° TO ARM



SECTION AA

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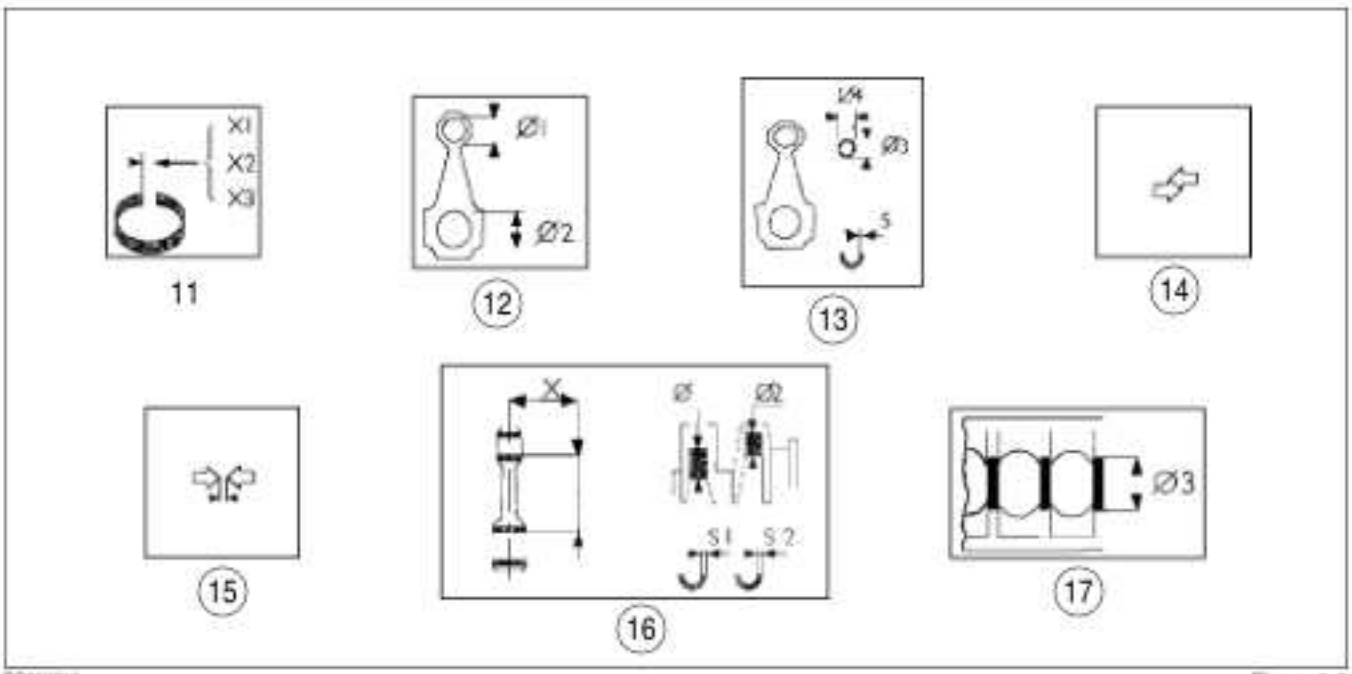
Table 46-83

Error code		H034		
Trouble		Arm angle potentiometer's power source is shortcut.		
Judging condition		The input voltage from arm angle potentiometer is 0.1V or less.		
Symptom		Indications of rating load and working radius of High-reach crane become abnormal.		
Control in the event of failure		Normal control		
Returned in normal condition		It returns automatically in normal condition.		
Service diagnosis checking screen		Screen No.	12	H-3 ARM
		Screen No.		
		Screen No.		
Checking object				Checking contents and remedy
1	• Arm angle potentiometer SE-19			Measure the resistance between terminals of arm angle potentiometer. 4.0–6.0kΩ Turn the potentiometer and measure resistance between signal and GND. Normal value: 0 to all resistance (4.0–6.0)kΩ
2	• Wiring between arm angle potentiometer and controller CN-703F CN-103F			Check wiring for possible failure according to the wiring checking procedure and repair it if necessary.
3	• Mechatro controller			Check that the error is corrected after replacement of controller.

Table 46-84

Error code		H091		
Trouble		Fuel sensor grounding is short-circuited.		
Judging condition		The input voltage from fuel sensor is 0.1V or less.		
Symptom		Warning for low fuel level is indicated.		
Control in the event of failure		Fuel level becomes 0%.		
Returned in normal condition		It returns automatically in normal condition.		
Service diagnosis checking screen		Screen No.	10	H-9 FUEL LEVEL
		Screen No.		
		Screen No.		
Checking object				Checking contents and remedy
1	• Fuel sensor potentiometer SE-15			Move fuel sensor and measure the resistance between terminals of fuel sensor. EMPTY 95Ω – FULL 5Ω
2	• Wiring between fuel sensor and controller CN-152F CN-104F			Check wiring for possible failure according to the wiring checking procedure and repair it if necessary.
3	• Mechatro controller			Check that the error is corrected after replacement of controller.

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BS06KD16

Figure 2-8

REF. NO.	ENGINE TYPE	667TA					
		EEG	EEC	EBF	EED	EBD	EDJ
11	Piston ring gaps in cylinder liner.	X1= 0.30 to 0.40 mm. (0.0118 to 0.0157 in.)					
		X2= 0.60 to 0.80 mm. (0.0236 to 0.0315 in.)					
		X3= 0.30 to 0.55 mm. (0.0118 to 0.0217 in.)					
12	Connecting rod small-end bearing seat.	Ø1= 40.987 to 41.553 mm. (1.6137 to 1.6147 in.)					
	Connecting rod bearing seat.	Ø2= 72.987 to 73.013 mm. (2.8735 to 2.8745 in.)					
13	Connecting rod small-end bearing diameter.						
	Outer	Ø4= 41.279 to 41.553 mm. (1.6252 to 1.6359 in.)					
	Inner	Ø3= 38.019 to 38.033 mm. (1.4968 to 1.4974 in.)					
14	Connecting rod small-end bearing seat.	0.266 to 0.566 mm. (0.0105 to 0.0223 in.)					
15	Piston pin - bearing.	0.019 to 0.039 mm. (0.0007 to 0.0015 in.)					
16	Measurement dimension.	No Information Available					
	Maximum error on connecting rod axis parallelism.	No Information Available					
	Journals	Ø1= 82.990 to 83.010 mm. (3.2673 to 3.2681 in.)					
	Crank pins	Ø2= 68.987 to 69.013 mm. (2.7160 to 2.7170 in.)					
	Main half bearings (supplied as spares).	S1= 2.456 to 2.464 mm. (0.0967 to 0.0970 in.)					
	Connecting rod half bearings.	S2= 1.955 to 1.968 mm. (0.0770 to 0.0775 in.)					
17	Main bearing- journals						
	Numbers 1, 7	Ø3 87.982 to 88.008 mm. (3.4638 to 3.4649 in.)					
	Numbers 2, 3, 4, 5, 6	Ø3= 87.977 to 88.013 mm. (3.4637 to 3.4651 in.)					

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33.2.2.3.11 Disassembling P2 unload spool

(1) Loosen socket bolts (273), and remove spring cover (202) of P2 unload spool and O-ring (261).

(2) Draw out the assembly which is consist of P2 unload spool (310), spring seat (331), spring (327, 329), stopper (336) and bolt (333) from casing A (101).

CAUTION

When drawing out the spool assembly, use care so as not to score casing A (101).

(3) Fix the P2 unload spool assembly with vise via a protective plate (aluminum plate etc.) and remove bolt (333). Then remove spring seat (331), spring (327, 329) and stopper (336) from P2 unload spool (310).

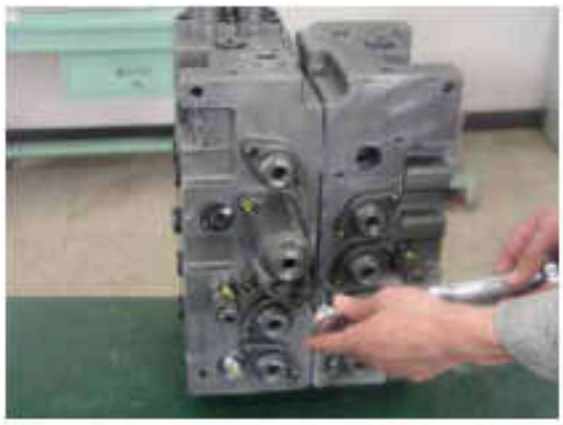


Fig. 33-169 Removing P2 unload spring cover (202)



Fig. 33-170 Drawing out P2 unload spool assy (310)

33.2.2.3.12 Removing spool covers

(1) Travel, boom, bucket, arm 1, arm 2 and option
Loosen socket bolts (273) and remove spool cover (205) and O-ring (264).

(2) Swing
Loosen socket bolts (273) and remove spool cover (206) and O-ring (264), (266). Do not disassemble spool cover (206) further unless there is special reason.



Fig. 33-171 Removing spool cover (205),(206)

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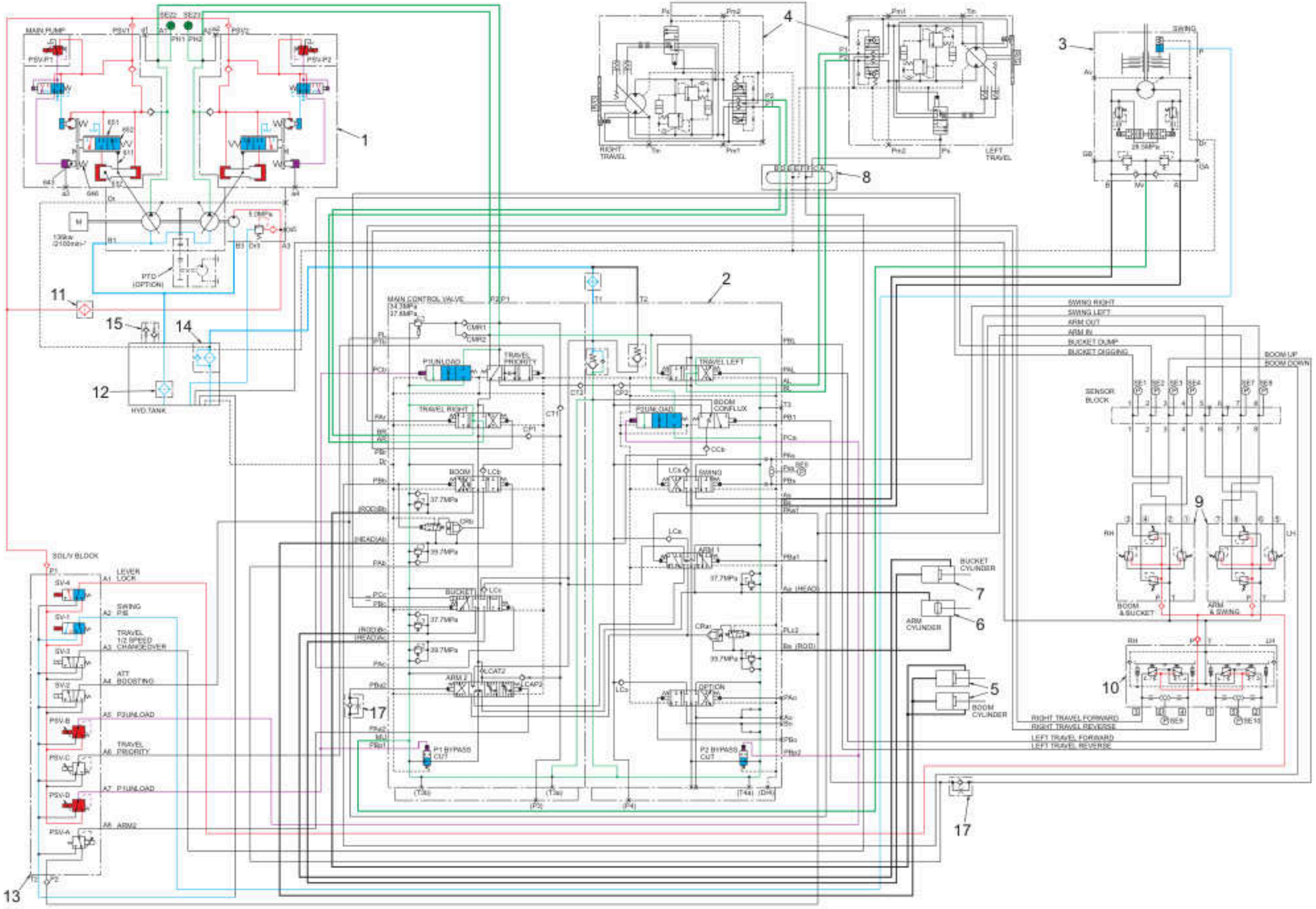


Fig. 22-1 NEUTRAL CIRCUIT : Positive control function at safety lock lever down (unlocked position)

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