UEBM002800

SHOP MANUAL

KOMATSU®

PW130-7K

MACHINE MODEL
PW130-7K

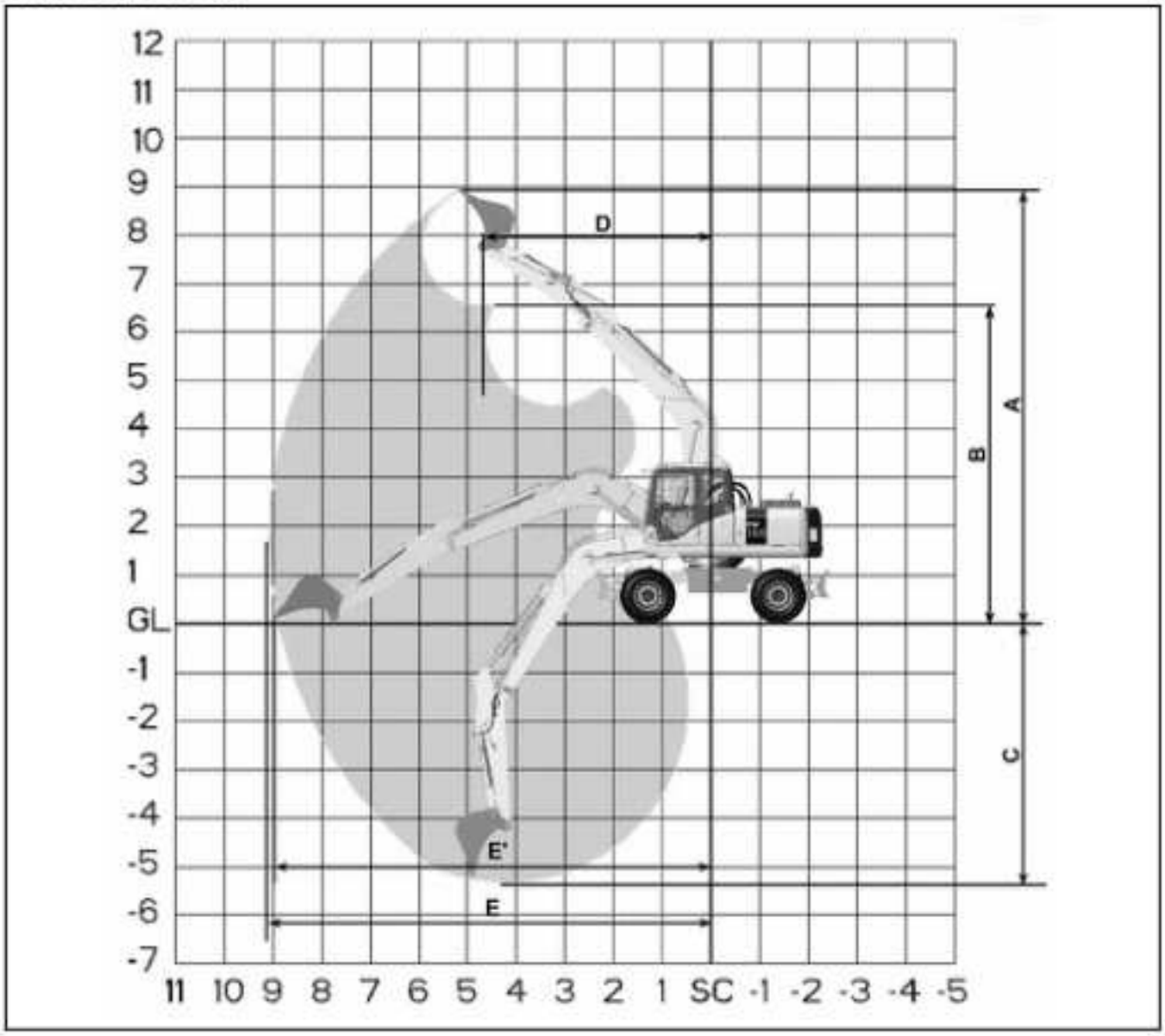
SERIAL NUMBER
K40001 AND UP

- This shop manual may contain attachments and optional equipment that are not available in your area. Please consult your local Komatsu distributor for those items you may require.
  Materials and specifications are subject to change without notice.
- PW130-7K mount the SAA4D102E-2 engine.
  For details of the engine, see the 102 Series Engine Shop Manual.

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WORKING RANGES

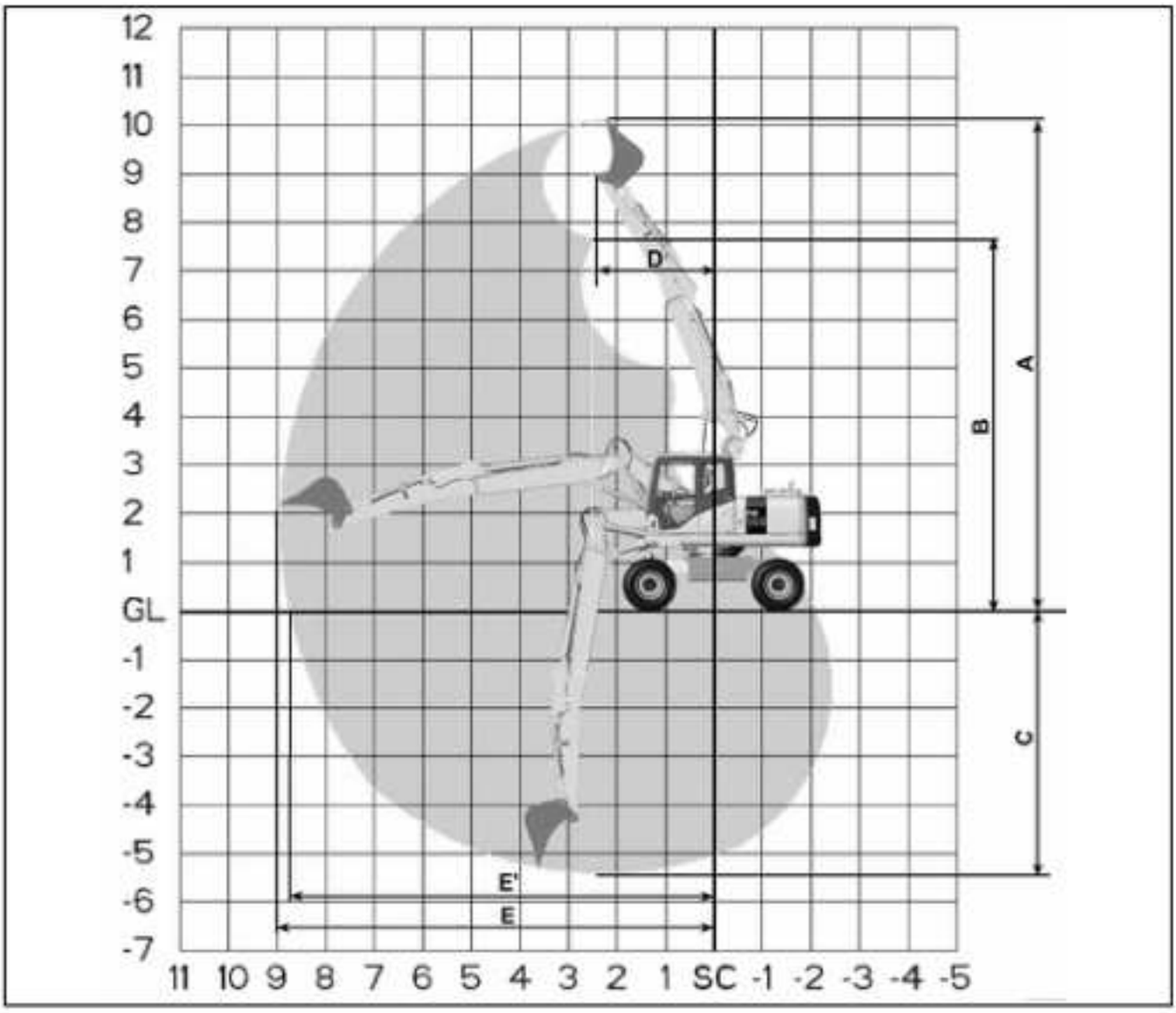
1 PIECE BOOM



Arm length mm (Tt/In)		2100	2500	3000
A	Max. digging height	8730	8930	9285
B	Max. dumping height	6335	6555	6911
C	Max. digging depth	4925	5320	5600
D	Min. swing radius	3205	3160	3180
E'	Max. digging reach ay GL	8620	8885	9315
E	Max. digging reach	8640	9070	9485

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2 PIECE BOOM



Arm length mm (Tt/In)		2100	2500	3000
A	Max.digging height	9745	10118	10575
B	Max.dumping height	7285	7655	8117
C	Max digging depth	4960	5465	5770
D	Min. swing radius	2215	2385	2590
E'	Max. digging reach ay GL	8310	8745	9225
E	Max. digging reach	8505	8930	9410

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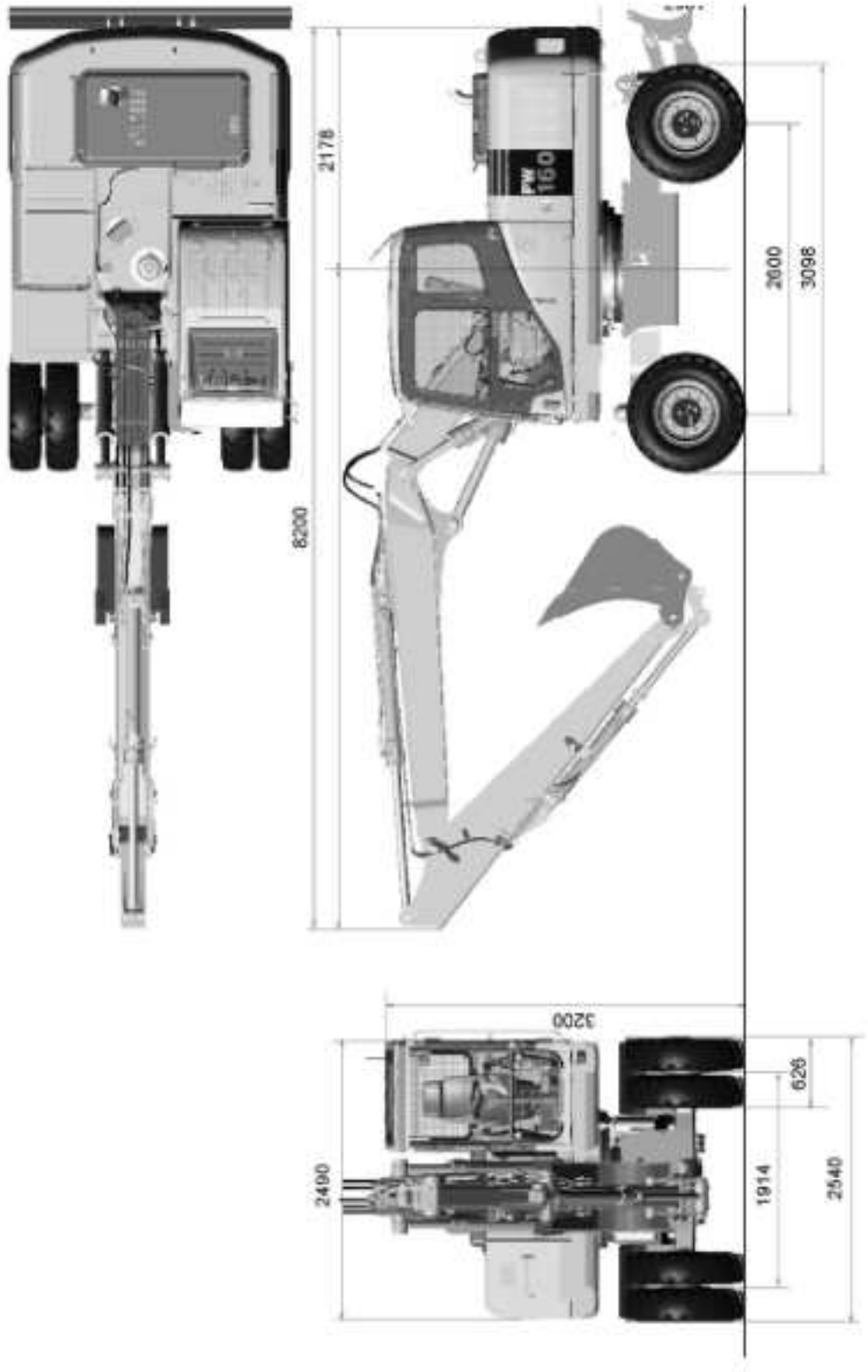
SPECIFICATIONS

Machine model				PW130-7K
Serial Number				K40001 and up
Bucket capacity		Arm size (m)	m^3	0.55
Operating weight			kg	15,800
Performance	Max. digging force (using power max. function)	2.1	kN {kg}	102.0 {10,400}
		2.5		
		3.0		
	Swing speed		rpm	11.5
	Swing max. slope angle		deg.	21.5
	Travel speed		km/h	Cr : 0-2.5 Lo : 0-10 Hi : 10-35 (Germany :10-20)
	Gradeability		deg. kPa {kg cm^2}	35 36.3 {0.37}
	Standard Tyre Width		mm	10.00 - 20

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DIMENSIONS

2 PIECE BOOM



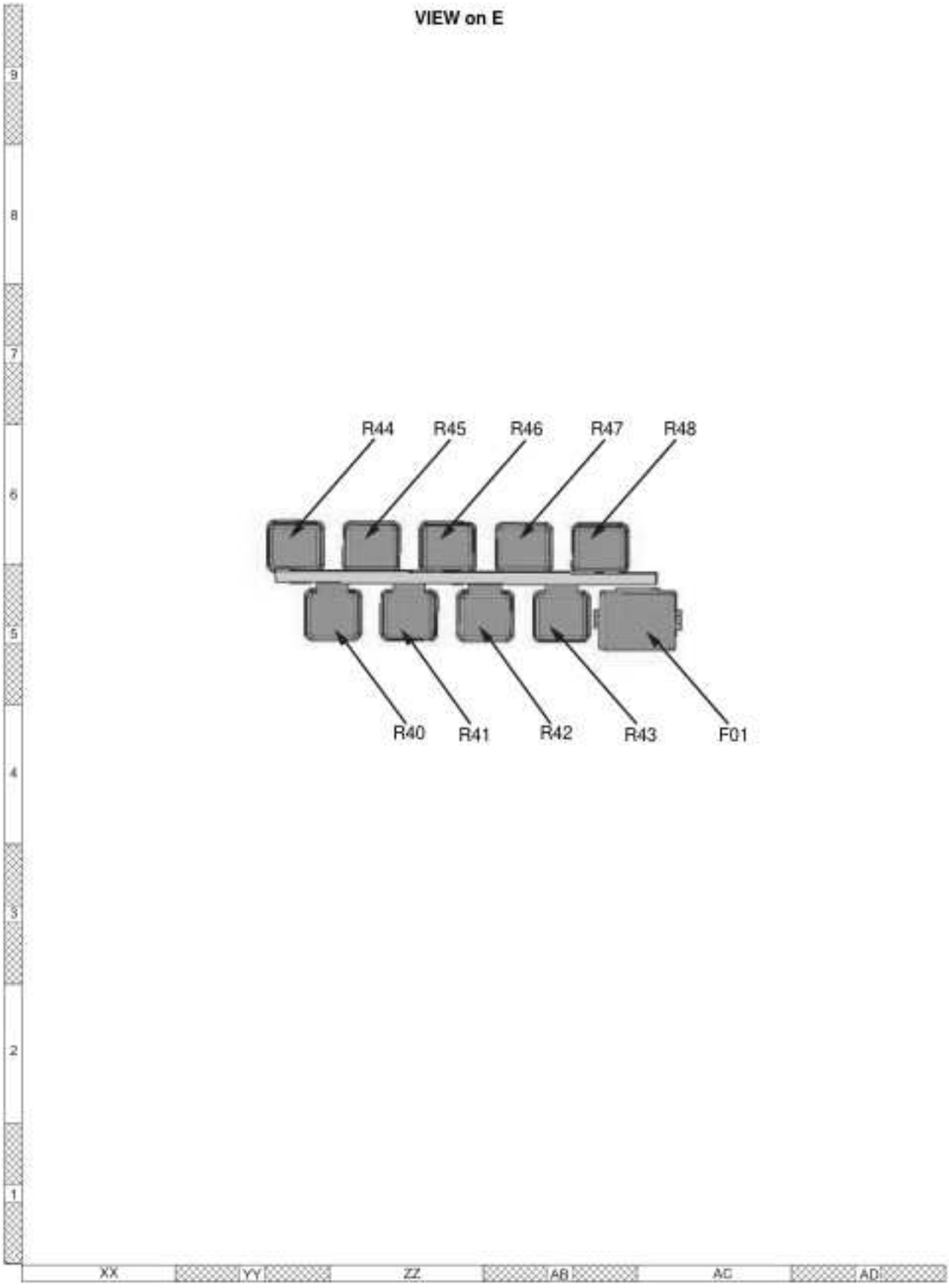
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No.	Failure-looking phenomenon	Troubleshooting			
		Code display	User code	H mode	(Engine)
Work equipment-related failure					
29	Boom moves slowly or lacks power		E-21, 22	H-7	
30	Arm moves slowly or lacks power		E-23, 24	H-8	
31	Bucket moves slowly or lacks power		E-25, 26	H-9	
32	Boom, arm or bucket does not move			H-10	
33	Natural drift of work equipment is too fast			H-11	
34	Work equipment time lag is too big			H-12	
35	Other work equipment moves, when specific work equipment is relieved			H-13	
36	One-touch power max. switch does not work	E-9, 21–26		H-14	
Compound operation-related failure					
37	In compound operation, work equipment with larger load moves slowly			H-15	
38	In swing + boom RAISE operation, boom moves slowly			H-16	
39	In swing + travel operation, travel speed drops sharply			H-17	
Travel-related failure					
40	Machine tends to swerve while in travel				
41	Travel speed is slow				
42	Machine is difficult to steer, or lacks power				
43	Travel speed cannot be shifted or is slow or fast				
Swing-related failure					
44	Machine does not swing		E-27	H-23	
45	Swing acceleration is poor, or swing speed is slow			H-24	
46	Upper structure overruns excessively, when stopping swing			H-25	
47	There is a big shock caused when stopping swing			H-26	
48	There is abnormal noise generated when stopping swing			H-27	
49	There is natural drift while in swing			H-28	
Monitor panel-related failure (Operator's Menu: ordinary display)					
50	No display appears in monitor panel at all		E-10		
51	Part of display is missing in monitor panel		E-11		
52	Descriptions on monitor panel do not apply to the machine model		E-12		
53	In startup inspection, radiator water level caution symbol is displayed on the monitor panel, when the engine is running	B@BCZK			
54	In startup inspection, engine oil level caution symbol is displayed, when the engine is stopped (with the starting key in the ON position)	B@BAZK			

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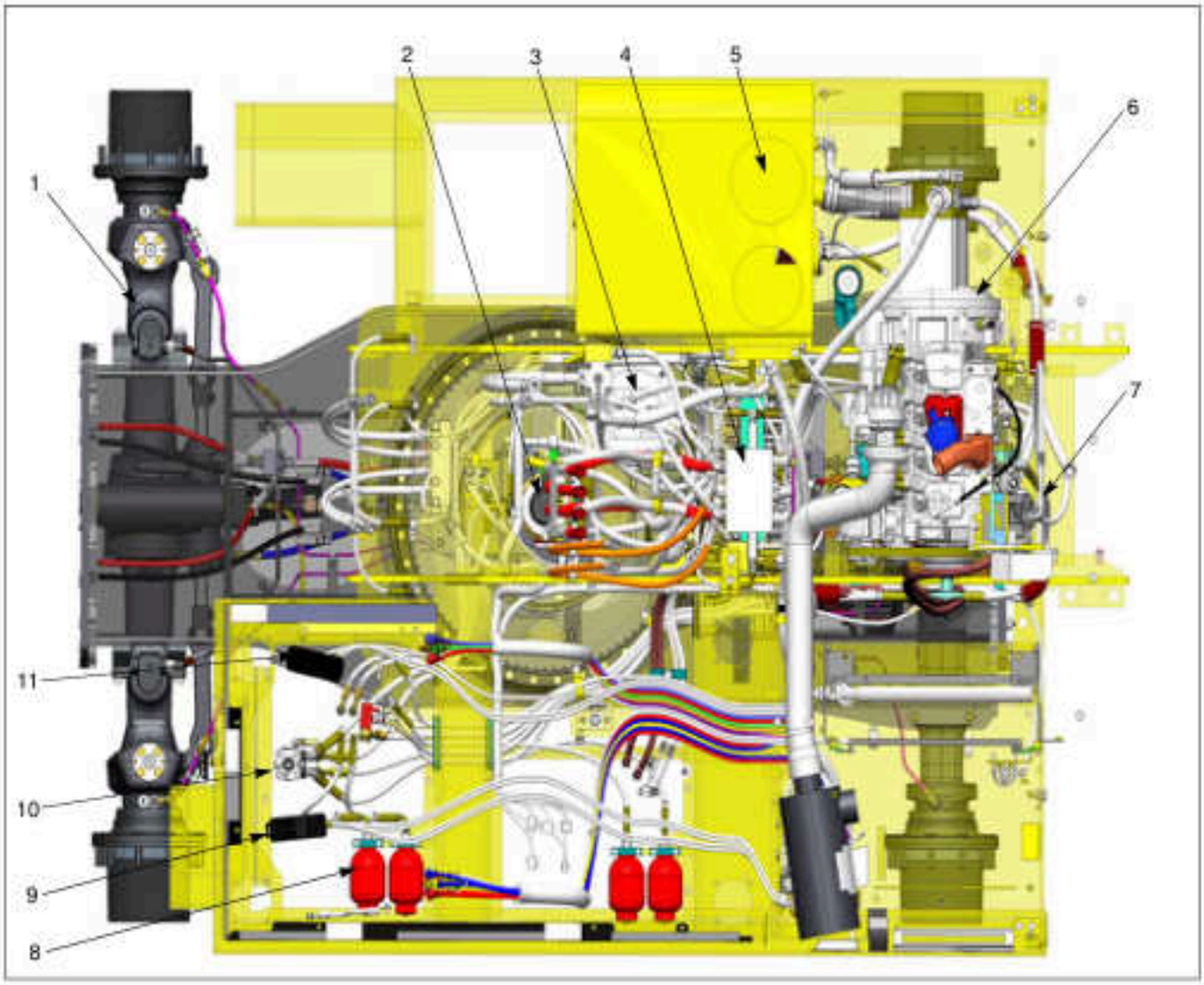
VIEW on E



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HYDRAULIC EQUIPMENT LAYOUT DRAWINGS

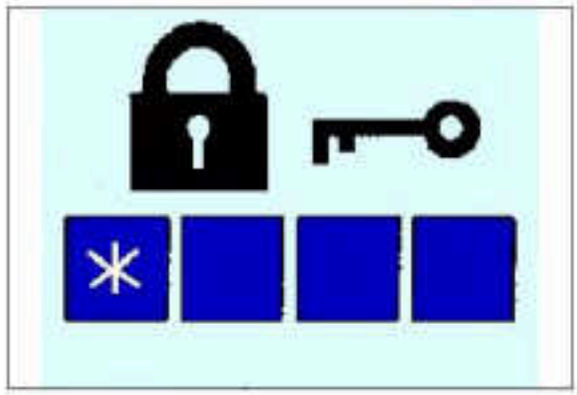
1. Front axle
2. Swivel joint
3. Swing motor
4. Control valve
5. Hydraulic filter
6. Main pump
7. Engine
8. Brake accumulators
9. Power brake valve / pedal
10. Orbitrol valve
11. Travel PPC pedal
11. Hydraulic / Fuel tank
12. Engine
13. Rear axle
14. Transmission
15. Travel motor
16. Propshaft
17. Suspension cylinder
18. RH. PPC
19. LH. PPC
20. Arm cylinder
21. 2nd Boom Adjust cylinder
22. 1st Boom cylinder
23. Bucket cylinder



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OPERATION OF OPERATORS MENU AND DISPLAY (OUTLINE)

- This section introduces only the outline of the operator's menu. For details on the contents and operation steps of each menu, refer to the operation and maintenance manual or the chapter of "STRUCTURE AND FUNCTION" in this shop manual.



1. Function for inputting and setting password

When the engine starting switch is turned ON, the password inputting display is shown.

- This display is shown only when a password is registered.

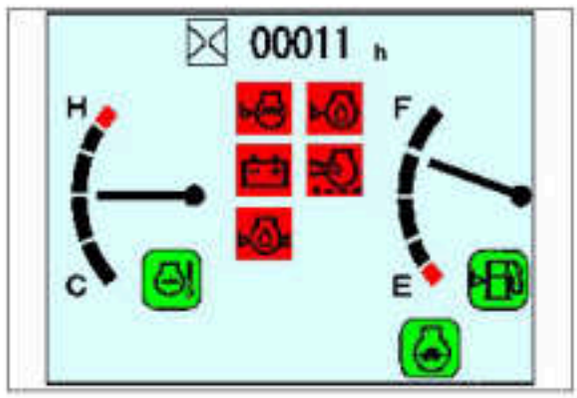


2. Function for showing KOMATSU logo

When a password is input, or when the engine starting switch is turned ON, KOMATSU logo is shown for two seconds.

3. Function for machine inspection before starting day's work

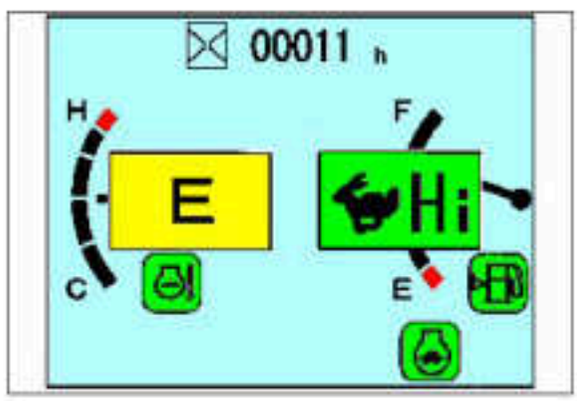
Following the KOMATSU logo, the display of machine inspection before starting day's work is shown for 2 seconds.



4. Function for machine maintenance

Following the display of machine inspection before starting day's work, the maintenance mark appears for 30 seconds, if there is a service item whose maintenance time is approaching or has just passed.

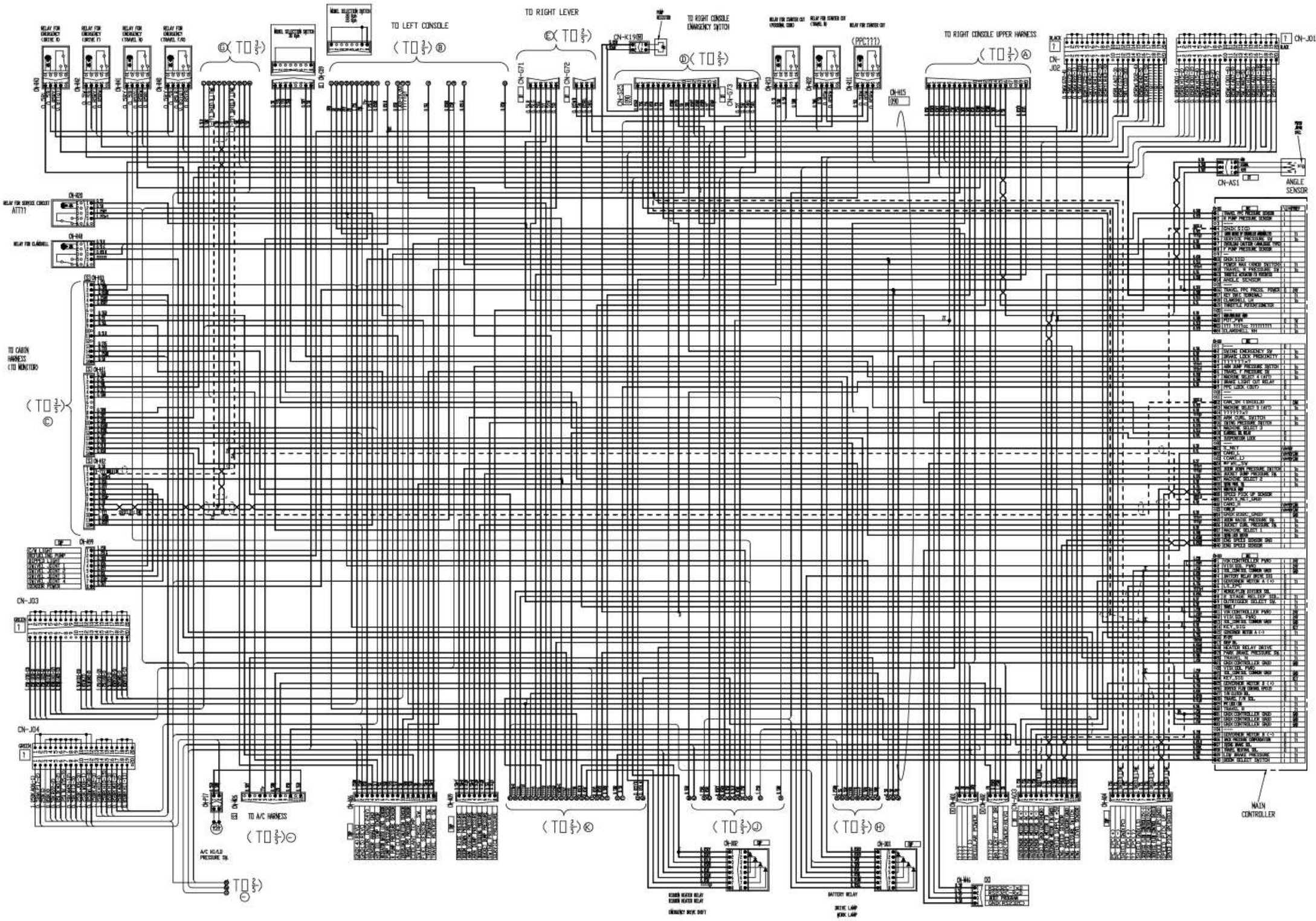
- This display appears only when the maintenance function is set.



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ELECTRICAL CIRCUIT DIAGRAM (1/5)

FOR MULTI MONITOR



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