CRAWLER EXCAVATOR

SERVICE MANUAL

HX140LT3

HYUNDAI

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4. WEIGHT

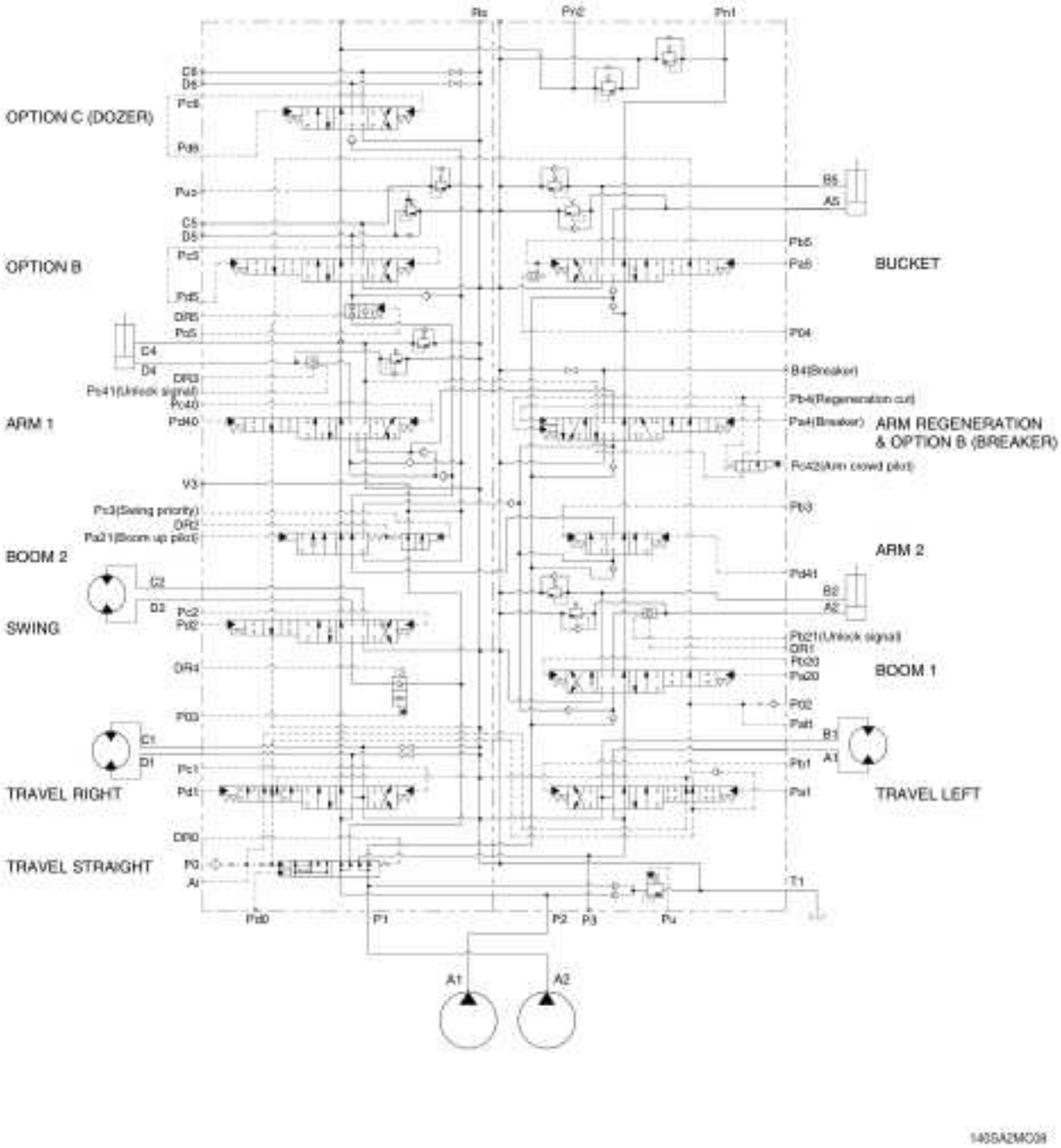
Item	Qty	HX140 LT3		HX140 LDT3		HX140 HWT3	
	EA	kg	lb	kg	lb	kg	lb
Upperstructure assembly							
· Main frame weld assembly	1	1140	2513	1140	2513	1140	2513
· Engine assembly	1	371	818	371	818	371	818
· Main pump assembly	1	92	203	92	203	92	203
· Main control valve assembly	1	140	309	140	309	140	309
· Swing motor assembly	1	130	287	130	287	130	287
· Hydraulic oil tank WA	1	133	294	133	294	133	294
· Fuel tank WA	1	150	331	150	331	150	331
· Counterweight	1	1900	4189	1900	4189	1900	4189
· Cab assembly	1	495	1091	495	1091	495	1091
Lower chassis assembly							
· Track frame weld assembly	1	1497	3300	1667	3675	2199	4848
· Dozer blade assembly	1	-	-	503	1109	-	-
· Swing bearing	1	214	472	214	472	214	472
· Travel motor assembly	2	278	613	278	613	278	613
· Turning joint	1	56	123	63	139	56	123
· Sprocket	2	40	87	40	87	49	109
· Track recoil spring	2	93	204	93	204	132	291
· Idler	2	104	229	104	229	151	332
· Upper roller	4	19	42	19	42	40	88
· Lower roller	18	35	77	35	77	40	88
· Track Guard	2	36	79	36	79	-	-
· Track Guard	4	-	-	-	-	592	1305
· Track-chain assembly (500 mm, 46 link)	2	922	2033	922	2033	-	-
· Track-chain assembly (600 mm, 46 link)	2	1027	2263	1027	2263	-	-
· Track-chain assembly (700 mm, 46 link)	2	1131	2494	1131	2494	-	-
· Track-chain assembly (700 mm, 47 link)	2	-	-	-	-	1250	2755
· Track-chain assembly (800 mm, 47 link)	2	-	-	-	-	1367	3013
Front attachment assembly							
· 4.6 m mono boom assembly	1	812	1790	812	1790	812	1790
· 2.50 m arm assembly	1	445	981	445	981	445	981
· 3.00 m arm assembly	1	482	1063	482	1063	482	1063
· 0.58 m³ bucket assembly	1	484	1067	484	1067	484	1067
· 0.52 m³ bucket assembly	1	461	1016	461	1016	461	1016
· 0.65 m³ bucket assembly	1	513	1131	513	1131	513	1131
· 0.71 m³ bucket assembly	1	536	1182	536	1182	536	1182
· Boom cylinder assembly	2	119	262	119	262	119	262
· Arm cylinder assembly	1	145	320	145	320	145	320
· Bucket cylinder assembly	1	104	229	104	229	104	229
· Dozer cylinder assembly	2	55	120	55	120	55	120
· Bucket control linkage total	1	114	251	114	251	114	251

※ This information is different with operating and transportation weight because it is not including harness, pipe, oil, fuel so on.

※ Refer to Transportation for actual weight information and Specifications for operating weight.

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2. HYDRAULIC CIRCUIT



140SA2MC08

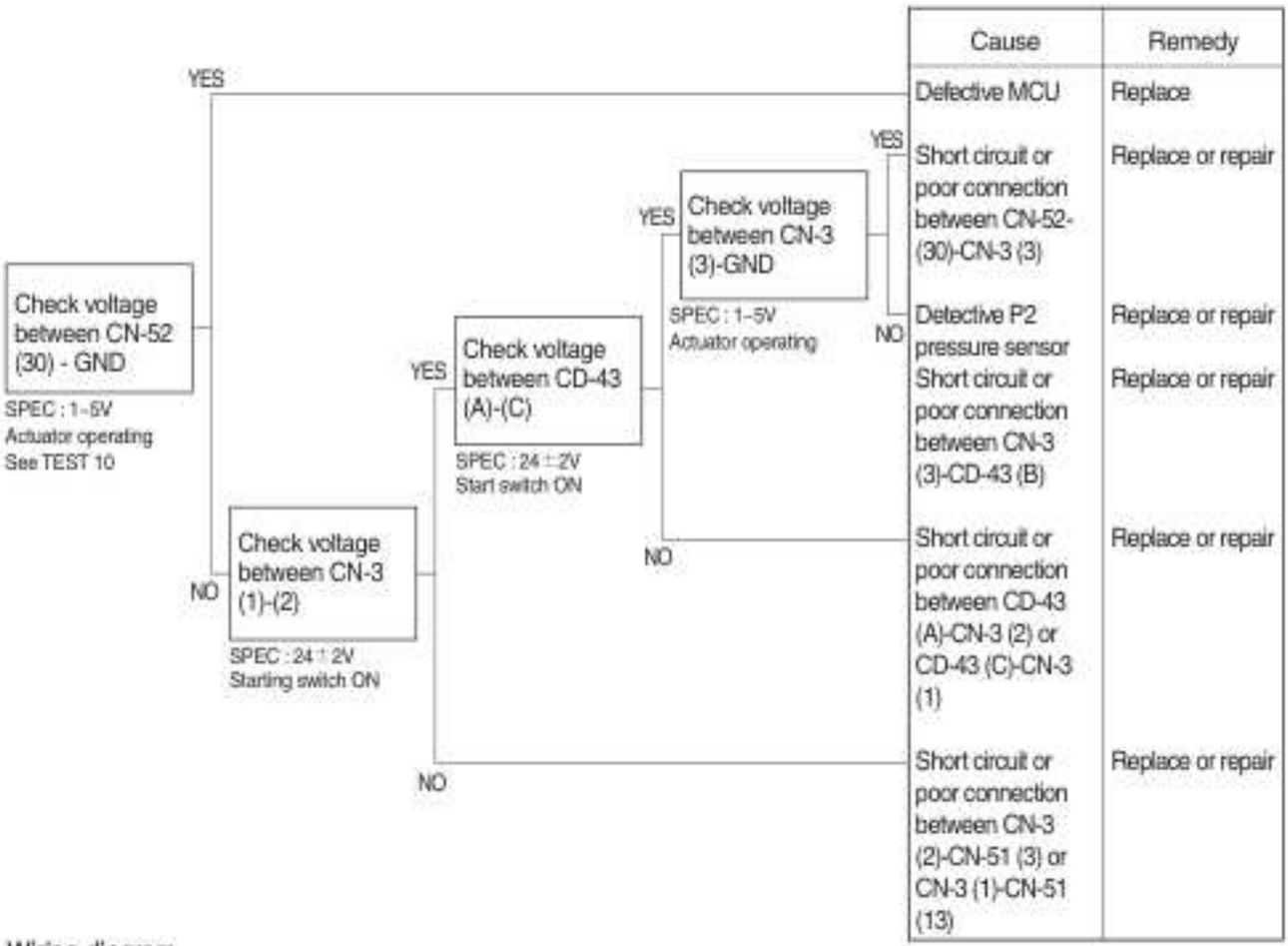
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6. MALFUNCTION OF PUMP 2 PRESSURE SENSOR

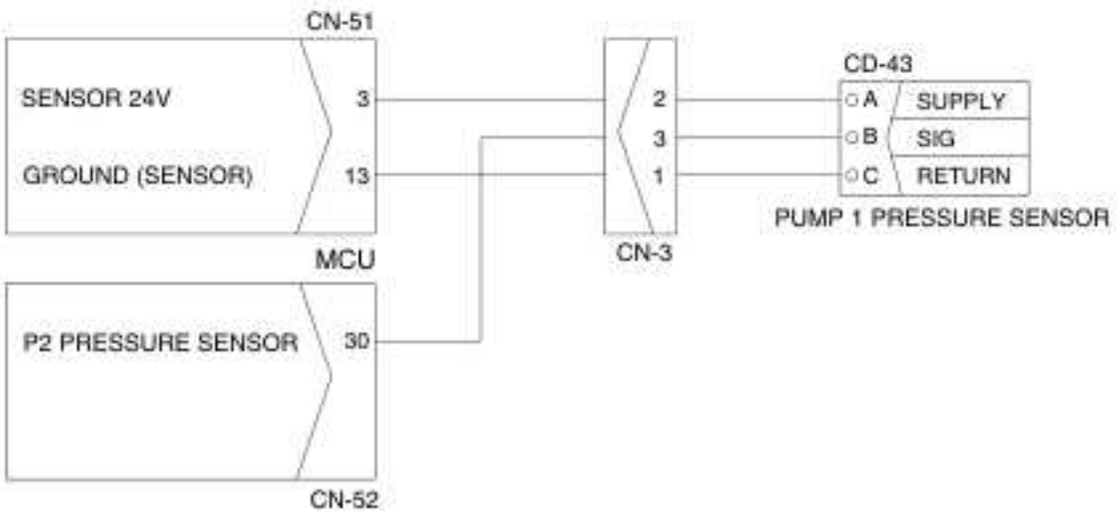
· Fault code : HCESPN 121, FMI 0~4

※ Before carrying out below procedure, check all the related connectors are properly inserted.

1) INSPECTION PROCEDURE



Wiring diagram



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■ Disassemble cylinder sub.

(9) Disassemble cylinder block assembly, piston assembly (9) and seat plate (M).





(10) Disassemble ball guide (16), ring and pin (15) from cylinder block, respectively.





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(19) Shrink fit taper roller bearing (3) on drive shaft, complete drive shaft sub assembly.



125LCR8SM102

Casing assembly

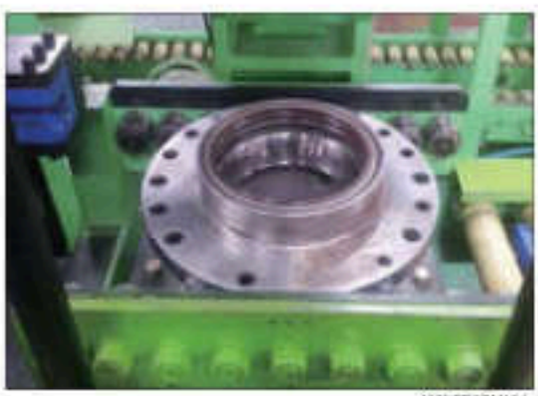
(20) Press outer ring of the taper roller bearing in the casing (8) by using the jig.



125LCR8SM103

(21) Press in oil seal (27) by using the jig.

※ Be careful of the direction of the assembly.



125LCR8SM104

(22) Assemble drive shaft sub assembly.

※ Be careful of damage of oil seal.

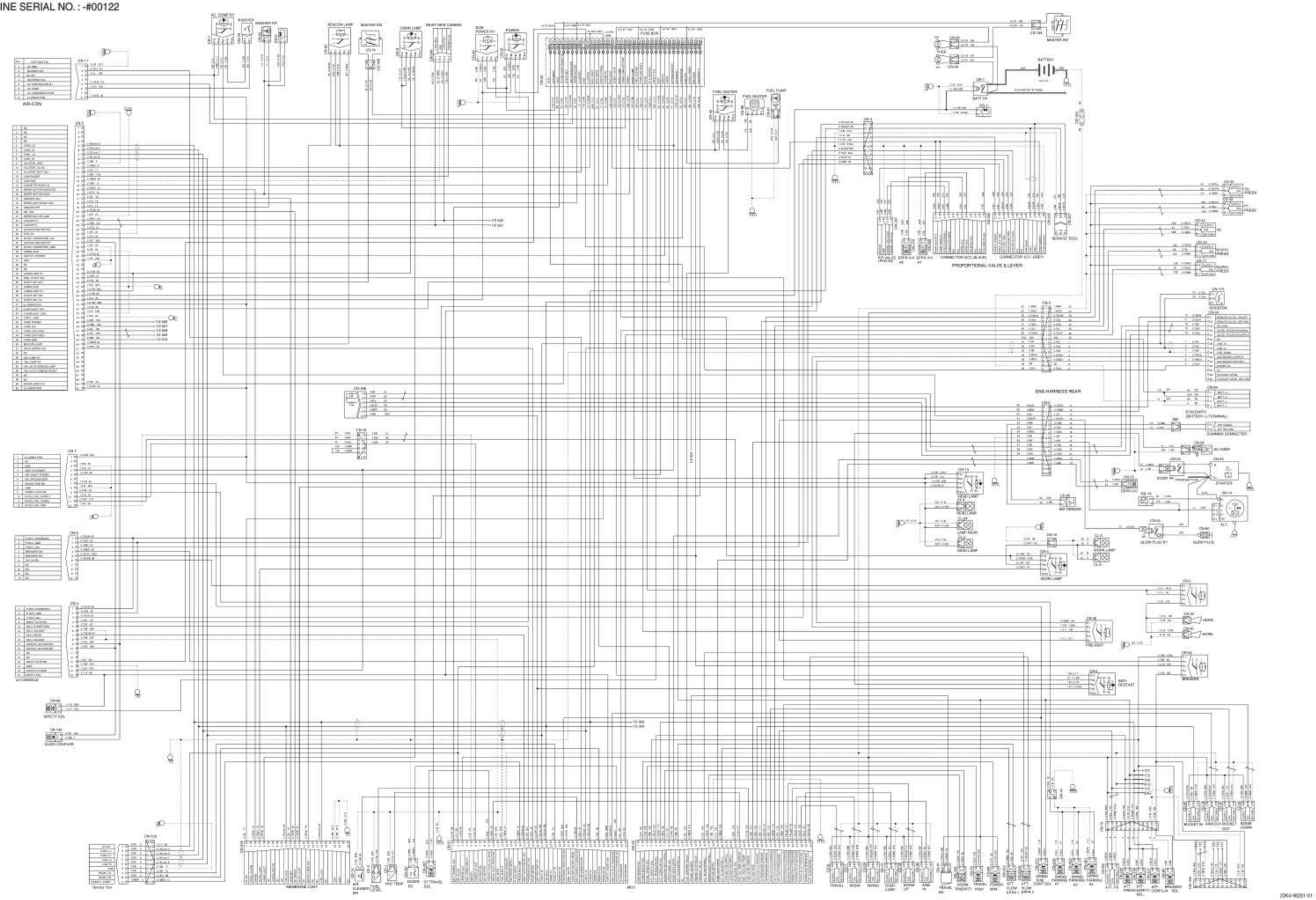


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ELECTRICAL CIRCUIT (1/2)

- MACHINE SERIAL NO. : -#00122



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