CRAWLER EXCAVATOR

SERVICE MANUAL

HX260L

HYUNDAI

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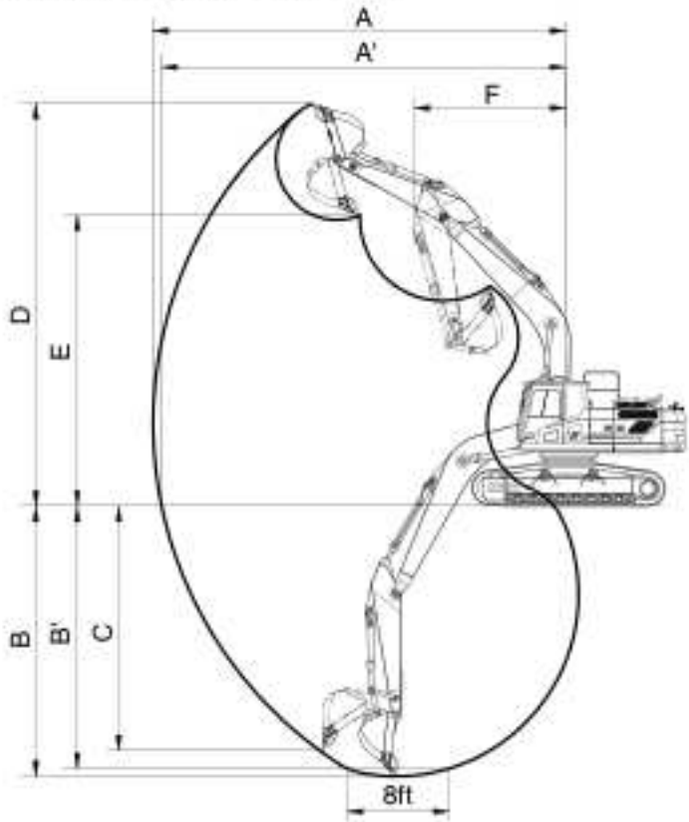
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3) HX260 L HIGH WALKER [5.85 m (19' 2") BOOM]



250F2SP06

Description		2.10m (6' 11") Arm	2.50m (8' 2") Arm	3.05m (10' 0") Arm	3.60m (11' 10") Arm
Max digging reach	A	9550 mm (31' 4")	9870 mm (32' 5")	10360 mm (34' 0")	10870 mm (35' 8")
Max digging reach on ground	A'	9280 mm (30' 5")	9160 mm (30' 1")	10110 mm (33' 2")	10360 mm (34' 0")
Max digging depth	B	5680 mm (18' 8")	6080 mm (19'11")	6630 mm (21' 9")	7180 mm (23' 7")
Max digging depth (8 ft level)	B'	5470 mm (17'11")	5890 mm (19' 4")	6460 mm (21' 2")	7030 mm (23' 1")
Max vertical wall digging depth	C	5120 mm (16'10")	5300 mm (17' 5")	5790 mm (19' 0")	6470 mm (21' 3")
Max digging height	D	9820 mm (32' 3")	9840 mm (32' 3")	10040 mm (32'11")	10280 mm (33' 9")
Max dumping height	E	6730 mm (22' 1")	6790 mm (22' 3")	7000 mm (23' 0")	7220 mm (23' 8")
Min swing radius	F	4140 mm (13' 7")	4030 mm (13' 3")	3940 mm (12'11")	3900 mm (12'10")
Bucket digging force	SAE	156.9 [170.4] kN	156.9 [170.4] kN	156.9 [170.4] kN	156.9 [170.4] kN
		16000 [17370] kgf	16000 [17370] kgf	16000 [17370] kgf	16000 [17370] kgf
		35270 [38290] lbf	35270 [38290] lbf	35270 [38290] lbf	35270 [38290] lbf
	ISO	178.5 [193.8] kN	178.5 [193.8] kN	178.5 [193.8] kN	178.5 [193.8] kN
		18200 [19760] kgf	18200 [19760] kgf	18200 [19760] kgf	18200 [19760] kgf
		40120 [43560] lbf	40120 [43560] lbf	40120 [43560] lbf	40120 [43560] lbf
Arm crowd force	SAE	134.4 [145.9] kN	130.4 [141.6] kN	114.7 [124.6] kN	104.0 [112.9] kN
		13700 [14870] kgf	13300 [14440] kgf	11700 [12700] kgf	10600 [11510] kgf
		30200 [32790] lbf	29320 [31830] lbf	25790 [28000] lbf	23370 [25370] lbf
	ISO	139.3 [151.2] kN	134.4 [145.9] kN	118.7 [128.8] kN	107.9 [117.1] kN
		14200 [15420] kgf	13700 [14870] kgf	12100 [13140] kgf	11000 [11940] kgf
		31310 [33990] lbf	30200 [32790] lbf	26680 [28970] lbf	24250 [26330] lbf

[ ] : Power boost

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SECTION 6 TROUBLESHOOTING

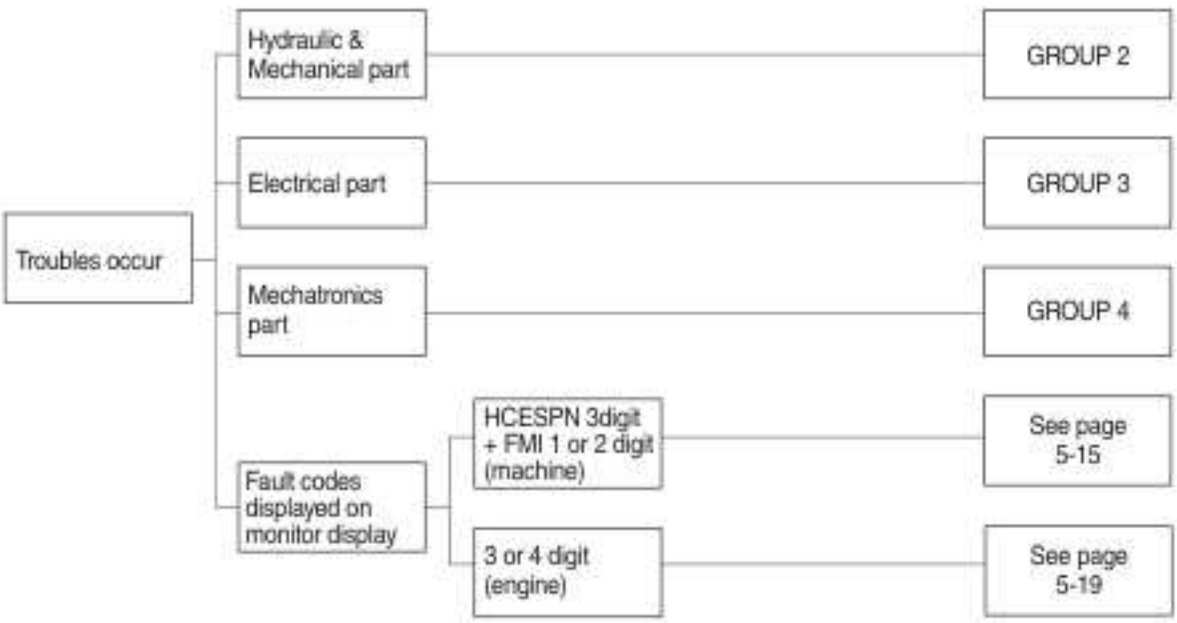
GROUP 1 BEFORE TROUBLESHOOTING

1. INTRODUCTION

When a trouble is occurred in the machine, this section will help an operator to maintain the machine with easy.

The trouble of machine is parted Hydraulic & Mechanical system, Electrical system and Mechatronics system. At each system part, an operator can check the machine according to the troubleshooting process diagram.

※ Before carring out troubleshooting procedure, check monitoring menu in the cluster.

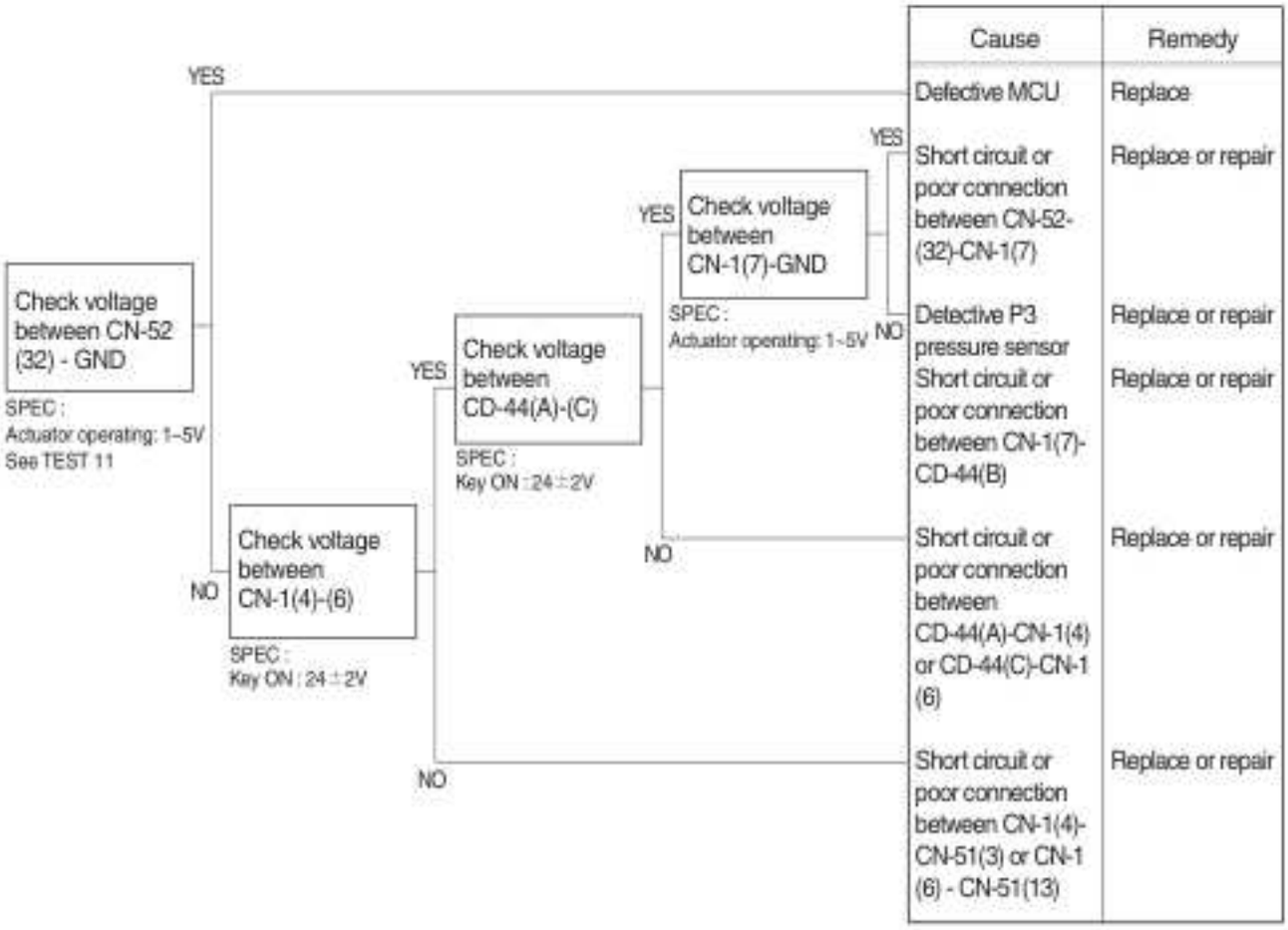


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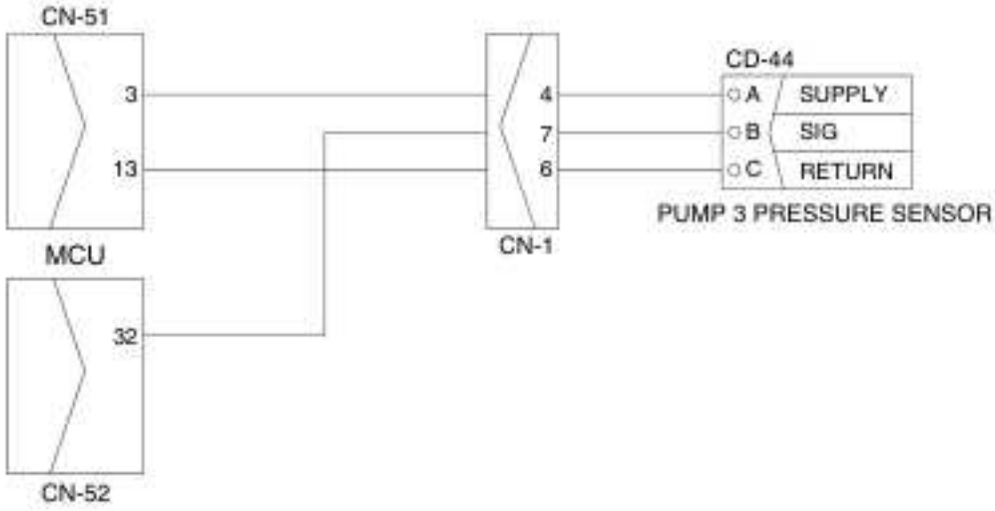
7. MALFUNCTION OF PUMP 3 PRESSURE SENSOR

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

1) INSPECTION PROCEDURE



Wiring diagram



300LEM309

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3) ASSEMBLING PINION GEAR SUB ASSY

(1) Prepare drive shaft pinion gear vertical with ground.

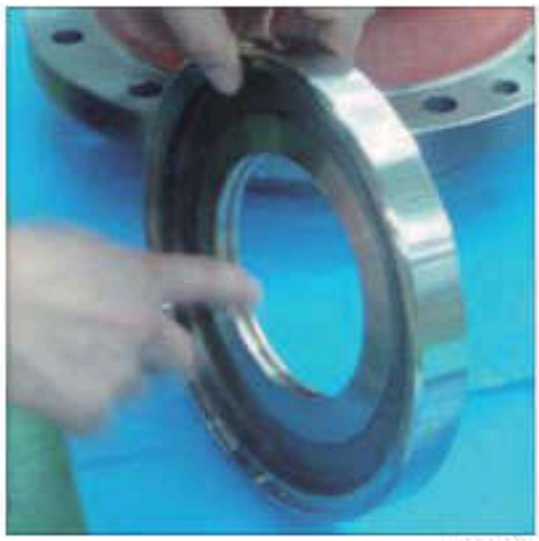


2203A8SM21

(2) Fully apply grease (albania EP02) to O-ring groove of sleeve.

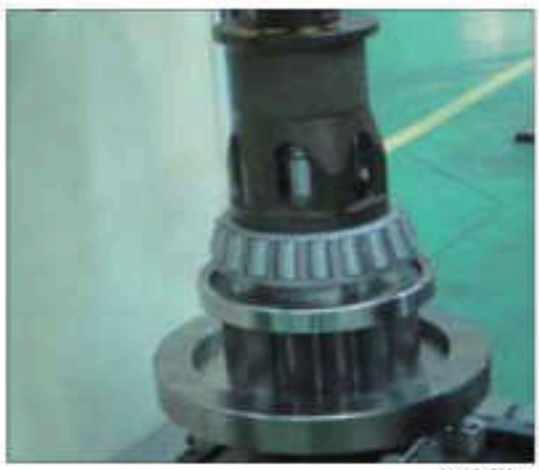
※ Be sure to maintain it vertical with ground when assembling it.

(3) Put O-ring into O-ring groove of sleeve. Fully apply grease on O-ring.



2203A8SM22

(4) Assemble taper bearing and sleeve into drive shaft using press jig.
Use special jig for pressing. Leave no space between sleeve and taper bearing.



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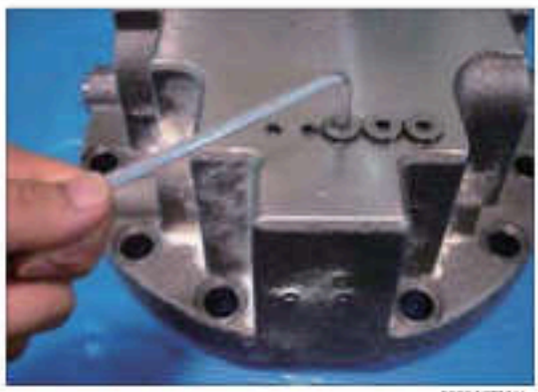
4. REASSEMBLING

1) ASSEMBLING MOTOR

- REAR COVER ASSY

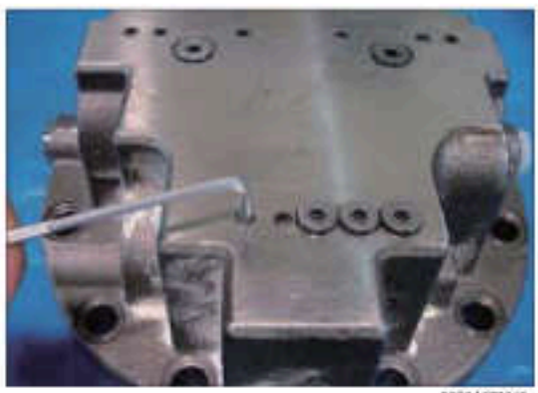
(1) Assemble check valve (55), spring (56) into rear cover (34) and then assemble plug (57) using L-wrench.





(2) Apply loctite #242 on the NPTF 1/16 plug (2) and then assemble 12-NPTF 1/16 Plug (2) into rear cover(34).





(3) Assemble spool (47), parallel pin (50), spring seat (49) and spring (51) into rear cover (34) in regular sequence and then assemble plug (48) and connector (52).







(4) Assemble relief valve (42, 2EA) into rear cover (34).

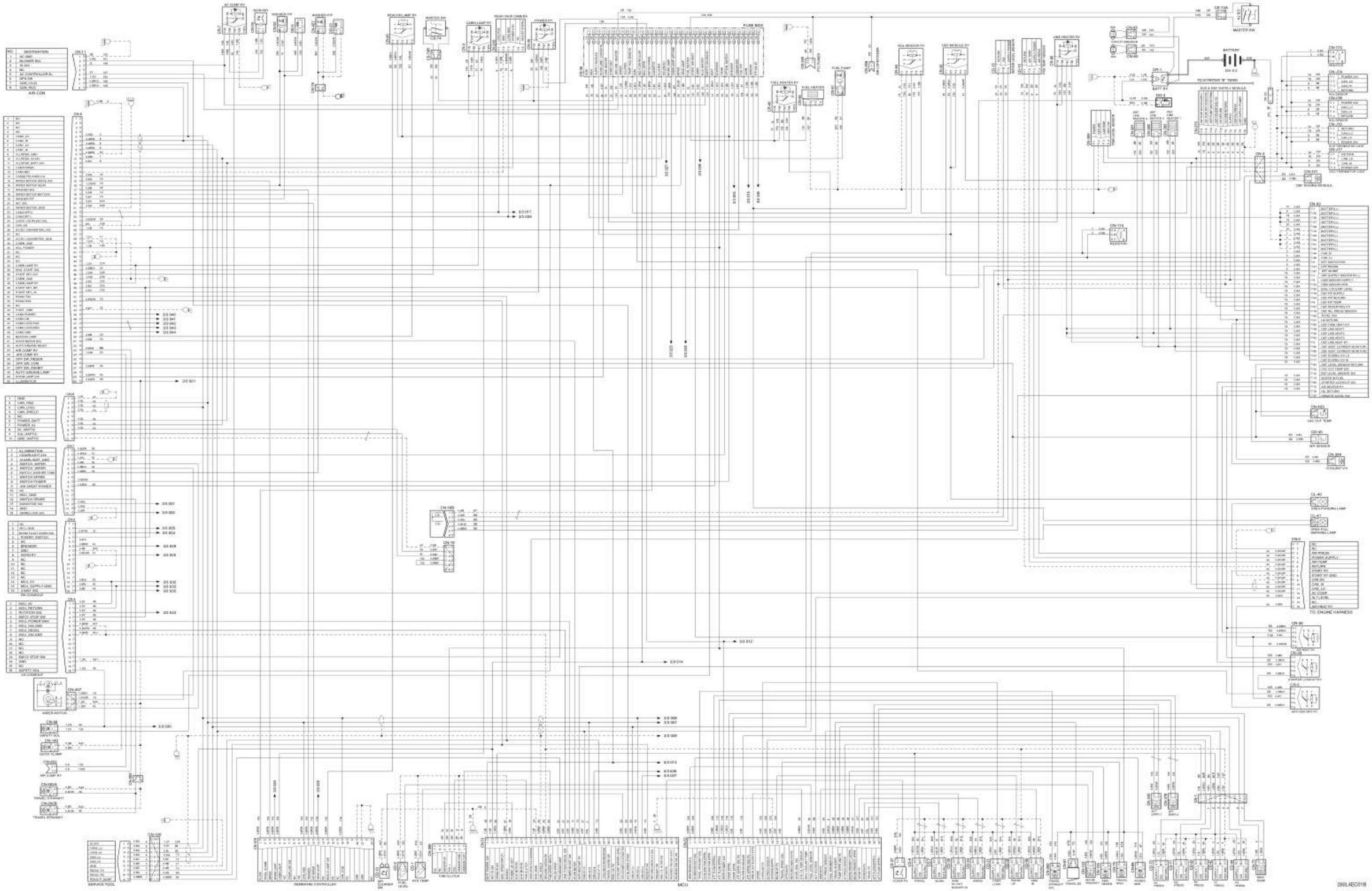






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· ELECTRICAL CIRCUIT (1/5, SERIAL NO. : -#0251)



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