CRAWLER EXCAVATOR

SERVICE MANUAL

HX130A LCR

HYUNDAI

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2) HX130A LCR/LCRD, 2450 kg COUNTERWEIGHT



General bucket

Type	Counterweight					2100 kg				
	Capacity		Width	Weight	Tooth	MONO				
	SAE Heaped	CECE heaped	Without side cutter			4.3 m (14' 1") Boom			4.56 m (14' 11") Boom	
	m³ (yd³)	m³ (yd³)	mm (in)	kg (lb)	EA	1.96 m (6' 5") Arm	2.26 m (7' 5") Arm	2.81 m (9' 3") Arm	1.96 m (6' 5") Arm	2.26 m (7' 5") Arm
General bucket	0.50 (0.65)	0.46 (0.60)	762 (30.0")	425 (940)	4	●	●	●	●	●
	0.61 (0.80)	0.56 (0.73)	914 (36.0")	473 (1040)	5	●	◐	■	◐	■
	0.58 (0.76)	0.50 (0.65)	950 (37.4"	438 (970)	5	●	◐	◐	◐	◐
	0.50 (0.65)	0.44 (0.58)	900 (35.4")	425 (940)	4	●	●	●	●	●
	0.59 (0.77)	0.52 (0.68)	1050 (41.3")	473 (1040)	5	●	◐	■	◐	■

●	Applicable for materials with density of 2100 kg/m³ (3500 lb/yd³) or less
◐	Applicable for materials with density of 1800 kg/m³ (3000 lb/yd³) or less
■	Applicable for materials with density of 1500 kg/m³ (2500 lb/yd³) or less
▲	Applicable for materials with density of 1200 kg/m³ (2000 lb/yd³) or less
X	Not recommended

※ These recommendations are for general conditions and average use.
Work tools and ground conditions have effects on machine performance.
Select an optimum combination according to the working conditions and the type of work that is being done.
Consult with your local HD Hyundai Construction Equipment dealer for information on selecting the correct boom–arm–bucket combination.

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SECTION 6 TROUBLESHOOTING

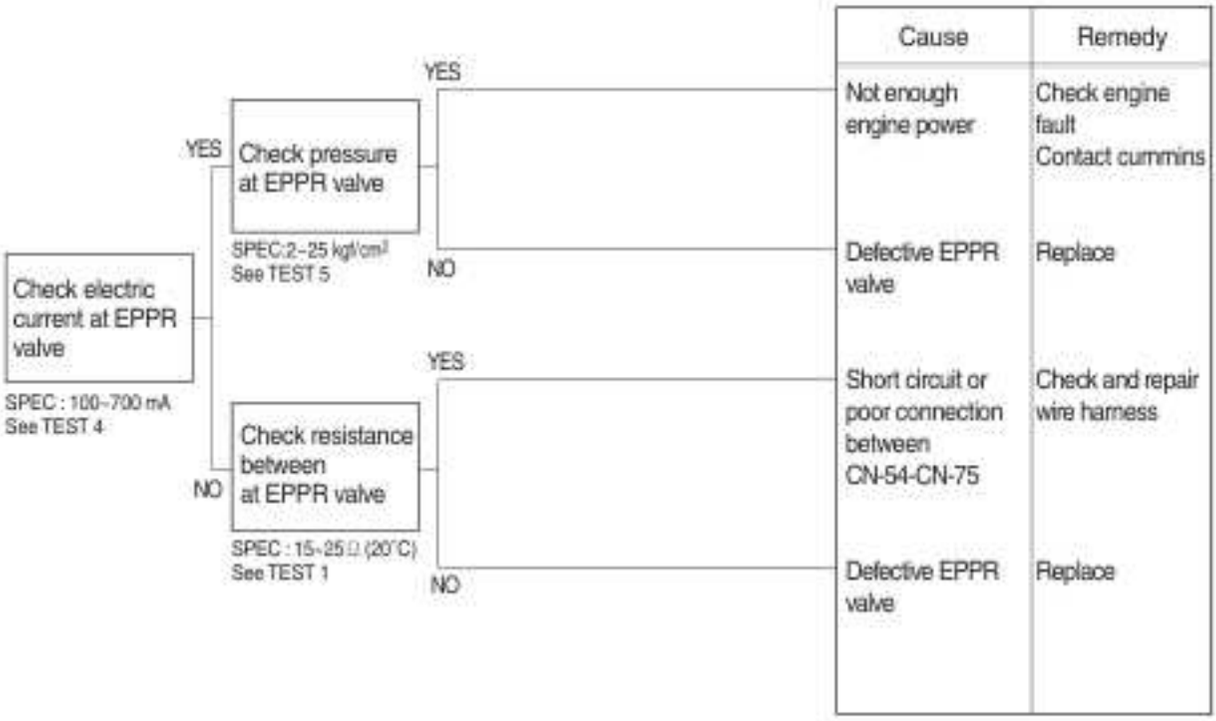
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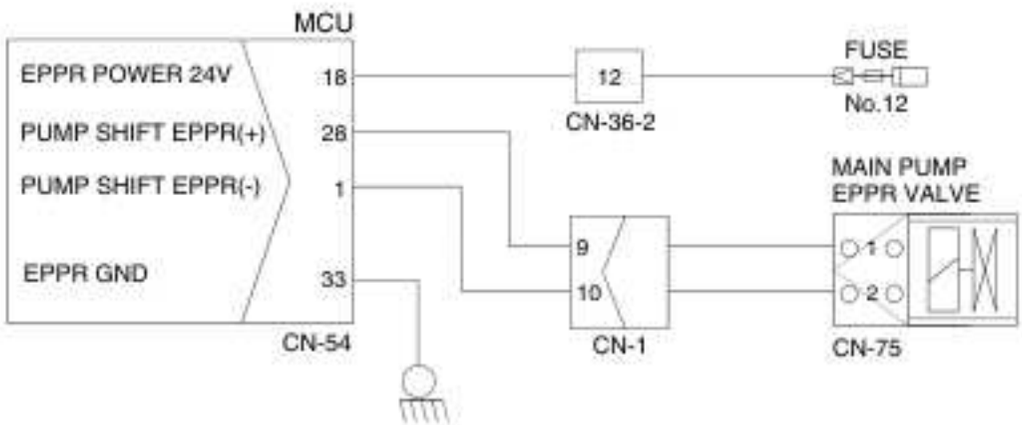
2. ENGINE STALL

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

1) INSPECTION PROCEDURE



Wiring diagram



130AM301

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



125LCR8SM102

Casing assembly

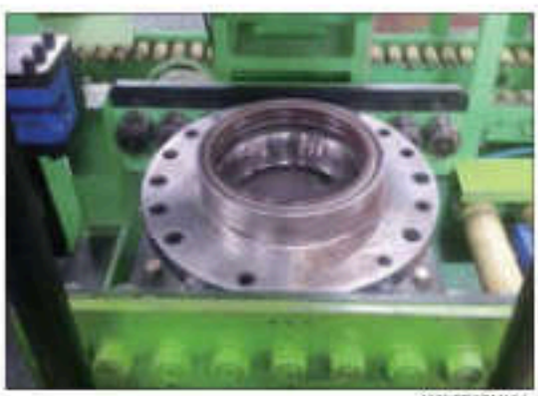
(20) Press outer ring of the taper bearing in the casing (8) by using the jig.



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.



125LCR8SM105

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(3) Fit tilting bush (214) of swash plate (212) to tilting pin (531), and fit swash plate (212) with shoe plate (211) to swash plate support (251) correctly.

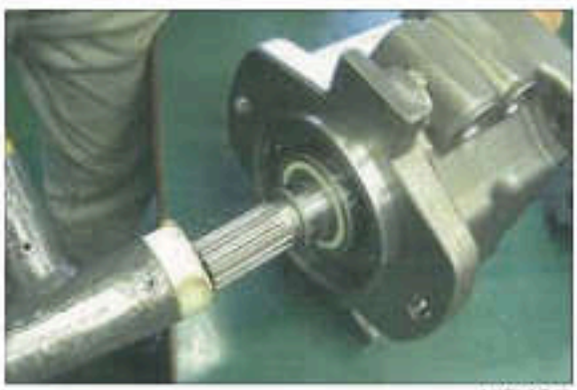
※ Confirm with fingers of both hands that swash plate can be removed smoothly.

※ Apply grease to sliding sections of swash plate (212) and swash plate support (251), and drive shaft (111, 113) can be fitted easily.

※ Take care not to damage shoe plate (211) surface.



(4) To pump casing (271, 272), fit drive shaft (111, 113) set with bearing (123), bearing spacer (127) and stop ring (824).



(5) In assemble of front pump, assemble seal cover (F) (261) to pump casing (271) and fix it with hexagon socket head bolt (406).

※ Apply grease lightly to oil seal in seal cover (F) (261).

※ For assemble oil seal (774), taking full care not to damage it.

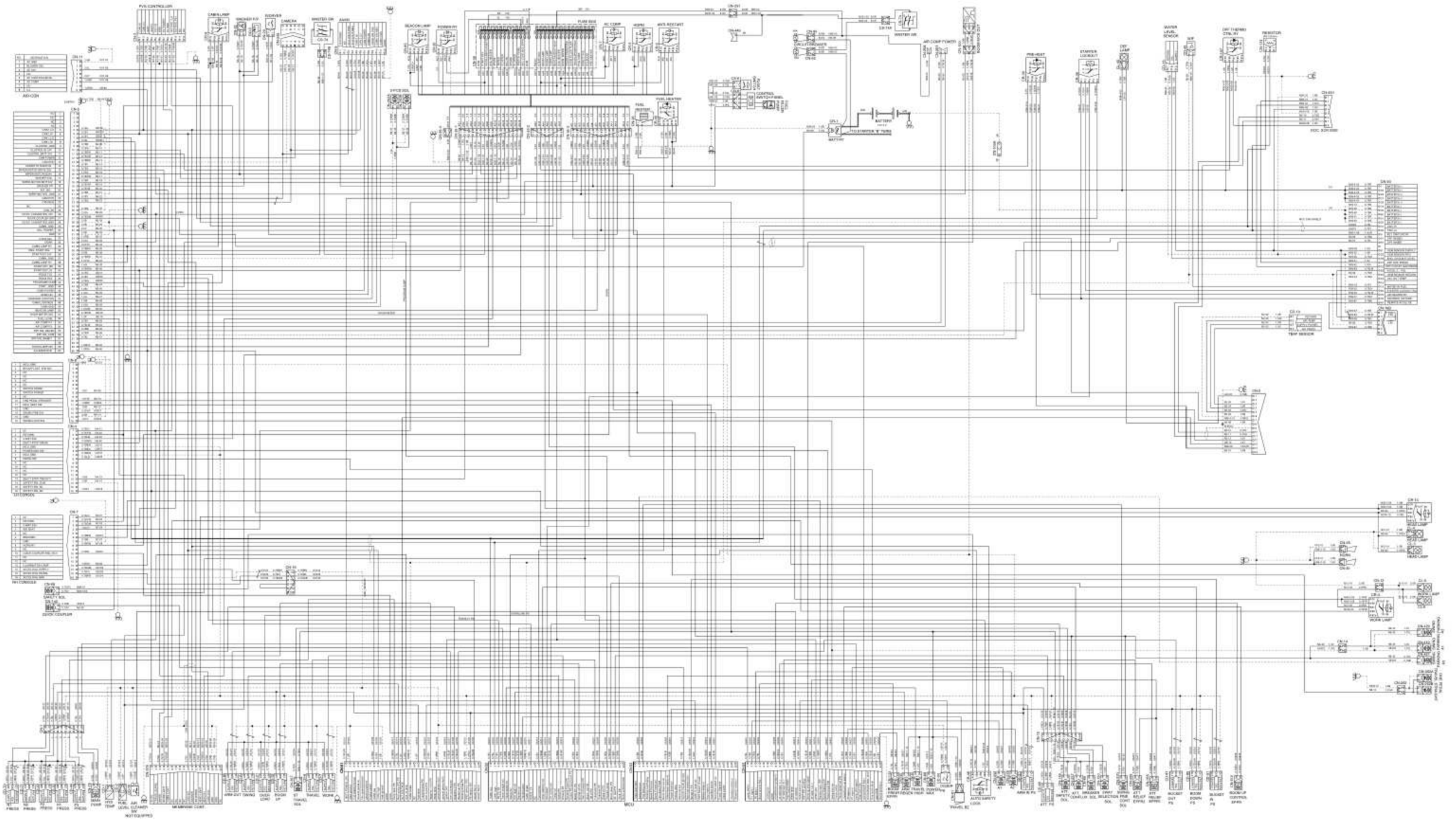


(6) Assemble piston cylinder subassembly [cylinder (141), piston subassembly (151, 152), set plate (153), spherical bush (156) and cylinder spring (157)]. Fitting spline phases of cylinder, spherical bush (156) and drive shaft (111, 113), insert piston cylinder subassembly into pump casing (271, 272).



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· ELECTRICAL CIRCUIT (1/3)



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