CRAWLER EXCAVATOR

SERVICE MANUAL

HX340S L

HYUNDAI

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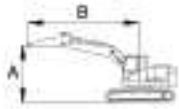
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Unit : mm

Model	Boom Type	Boom Length	Arm Length	Counterweight Weight (kg)	Shoe Width	Dozer Front	Dozer Rear	Outrigger Front	Outrigger Rear
HX340S L	Mono	6450	4050	6600	600	-	-	-	-

* : Rating over-front * : Rating over-side or 360 degree



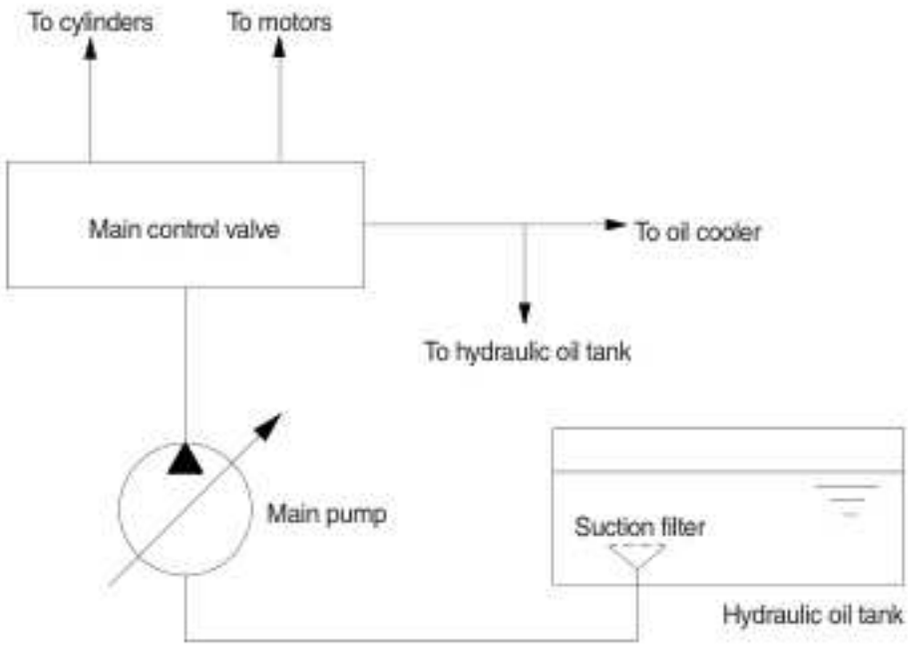
Load point height		Load radius												At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach
9.0m	kg									*4710	*4710			*4520	*4520	7.55
29.5ft	lb									*10380	*10380			*9960	*9960	(24.8)
7.5m	kg													*4190	*4190	8.72
24.6ft	lb													*9240	*9240	(28.6)
6.0m	kg									*6790	*6790	*5810	5240	*4060	*4060	9.50
19.7ft	lb									*14970	*14970	*12810	11550	*8950	*8950	(31.2)
4.5m	kg									*7530	6950	*7110	5130	*4070	*4070	10.00
14.8ft	lb									*16600	15320	*15670	11310	*8970	*8970	(32.8)
3.0m	kg					*13300	*13300	*10090	9320	*8510	6630	7440	4970	*4200	3980	10.25
9.8ft	lb					*29320	*29320	*22240	20550	*18760	14620	16400	10960	*9260	8770	(33.6)
1.5m	kg					*16510	13310	*11820	8750	*9500	6320	7260	4800	*4450	3880	10.28
4.9ft	lb					*36400	29340	*26060	19290	*20940	13930	16010	10580	*9810	8550	(33.7)
0.0m	kg			*6350	*6350	*18350	12660	*13100	8330	9330	6070	7100	4650	*4870	3930	10.08
0.0ft	lb			*14000	*14000	*40450	27910	*28880	18360	20570	13380	15650	10250	*10740	8660	(33.1)
-1.5m	kg	*6460	*6460	*9880	*9880	*18870	12410	12900	8110	9170	5920	7020	4580	*5560	4170	9.64
-4.9ft	lb	*14240	*14240	*21780	*21780	*41600	27360	28440	17880	20220	13050	15480	10100	*12260	9190	(31.6)
-3.0m	kg	*10370	*10370	*14460	*14460	*18330	12410	12840	8060	9130	5880			*6720	4660	8.92
-9.8ft	lb	*22860	*22860	*31880	*31880	*40410	27360	28310	17770	20130	12960			*14820	10270	(29.3)
-4.5m	kg	*15020	*15020	*20810	*20810	*16670	12620	*12500	8180	9270	6010			8690	5660	7.86
-14.8ft	lb	*33110	*33110	*45880	*45880	*36750	27820	*27560	18030	20440	13250			19160	12480	(25.8)
-6.0m	kg			*18330	*18330	*13230	13080	*9500	8550					*8840	8080	6.26
-19.7ft	lb			*40410	*40410	*29170	28840	*20940	18850					*19490	17810	(20.5)

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GROUP 2 MAIN CIRCUIT

The main hydraulic circuit consists of suction circuit, delivery circuit, return circuit and drain circuit.
The hydraulic system consists of one main pump, one control valve, one swing motor, four cylinders and two travel motors.
The swash plate type variable displacement tandem axial piston pump is used as the main pump and is driven by the engine at ratio 1.0 of engine speed.

1. SUCTION AND DELIVERY CIRCUIT



3-02

The pumps receive oil from the hydraulic tank through a suction filter. The discharged oil from the pump flows into the control valve and goes out the tank ports.
The oil discharged from the main pump flows to the actuators through the control valve.
The control valve controls the hydraulic functions.
The return oil from the actuators flows to the hydraulic tank through the control valve and the oil cooler.

※ The circuit diagram may differ from the equipment, so please check before a repair.

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SECTION 6 TROUBLESHOOTING

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③ Disassemble drive shaft sub assy by using the press machine.

※ The drive shaft sub assy fall all together, so becareful when removing it.



④ Disassemble sph. roller bearing (3), cover (7), oil seal (30), and sleeve (28) from the drive shaft (2).

※ Do not reuse oil seal (30).



(8) Separate sph. roller bearing (4) from casing (9) by using the press machine.



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(26) Put on the rear cover (34) on the casing (1).



(27) Assemble rear cover (34) into casing (1) and then tighten the wrench bolt (54, 55) using torque wrench.



(28) Assemble main spool assy (35) into rear cover (34) after checking the direction to be correct.





(29) Assemble spring (37), plug (36) into rear cover (34) in regular sequence and then plug (36) into rear cover (34) using torque wrench.

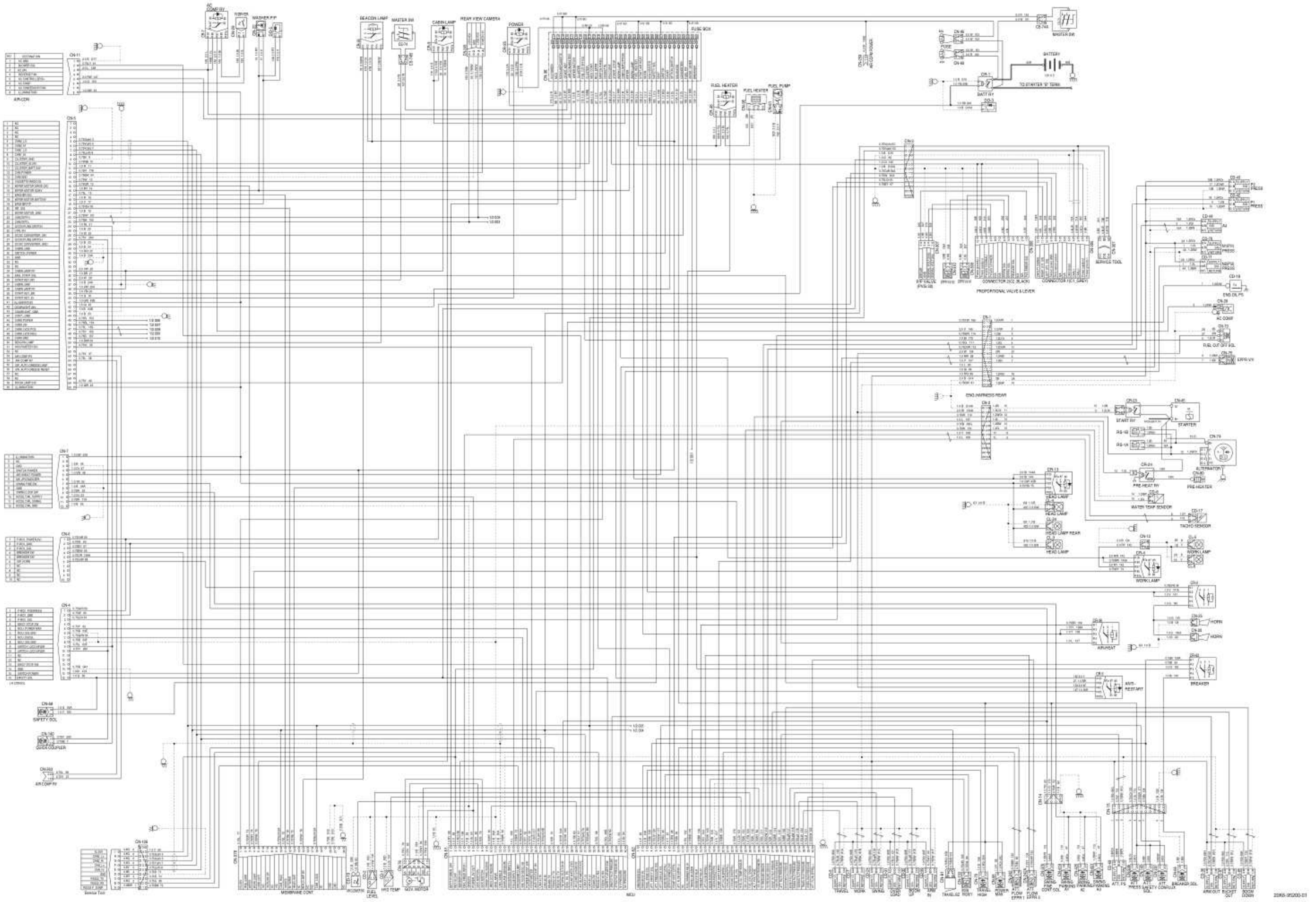






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· ELECTRICAL CIRCUIT (1/2)



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