CRAWLER EXCAVATOR

SERVICE MANUAL

RB260LC-9S

HYUNDAI

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5. LIFTING CAPACITIES

1) R260LC-9S

(1) 5.85 m (19' 2") boom, 3.05 m (10' 0") arm equipped with 1.08 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe.

Load point height		Load radius										At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20ft)		7.5 m (25ft)		Capacity		Reach
														m (ft)
6.0 m (20 ft)	kg									*3700	*3700	4400	2660	9.22
	lb									*8160	*8160	9700	5860	(30.2)
4.5 m (15 ft)	kg							*5350	*5350	*5060	3830	3880	2280	9.74
	lb							*11790	*11790	*11160	8440	8550	5030	(32.0)
3.0 m (10 ft)	kg			*13640	*13640	*8400	*8400	*6540	5360	*5660	3620	3630	2090	9.98
	lb			*30070	*30070	*18520	*18520	*14420	11820	*12480	7980	8000	4610	(32.7)
1.5 m (5 ft)	kg			*9450	*9450	*10870	7800	*7820	4960	5750	3400	3580	2040	9.95
	lb			*20830	*20830	*23960	17200	*17240	10910	12680	7500	7890	4500	(32.6)
Ground Line	kg			*10570	*10570	*12490	7280	8010	4640	5560	3230	3730	2130	9.65
	lb			*23300	*23300	*27540	16050	17660	10230	12260	7120	8220	4700	(31.7)
-1.5 m (-5 ft)	kg	*9940	*9940	*13870	*13870	12930	7090	7830	4480	5460	3140	4150	2390	9.05
	lb	*21910	*21910	*30580	*30580	28510	15630	17260	9880	12040	6920	9150	5270	(29.7)
-3.0 m (-10 ft)	kg	*13540	*13540	*18430	14860	*12780	7110	7820	4470			5080	2980	8.06
	lb	*29850	*29850	*40630	32760	*28180	15670	17240	9850			11200	6570	(26.4)
-4.5 m (-15 ft)	kg	*17830	*17830	*16580	15340	*11360	7340	8020	4640			*5940	4480	6.48
	lb	*39310	*39310	*36550	33820	*25040	16180	17680	10230			*13100	9880	(21.3)

Note
1. Lifting capacity are based on SAE J1097 and ISO 10567.
2. Lifting capacity of the ROBEX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The load point is a hook (standard equipment) located on the back of the bucket.
4. *indicates load limited by hydraulic capacity.

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2. STARTING CIRCUIT

1) OPERATING FLOW

Battery(+) terminal → Battery relay [CR-1] → Fusible link [CN-60] → Master switch [CS-74A] → Fuse box [No.4] → Master switch [CS-74B] → I/conn [CN-5(36)] → Start switch [CS-2(1)]

(1) When start key switch is in ON position

- Start switch ON [CS-2 (2)] → I/conn [CN-5 (60)] → Battery relay [CR-1] → Battery relay operating (all power is supplied with the electric component)
- Start switch ON [CS-2 (3)] → I/conn [CN-5 (59)] → Power relay [CR-35 (86) → (87)] → Fuse box [No.10]
  - GPS [CN-125A (2)]

(2) When start key switch is in START position

Start switch START [CS-2 (6)] → I/conn [CN-5 (35)] → Anti-restart relay [CR-5 (2) → (5)] → I/conn [CN-2 (7)] → Start relay [CR-23]

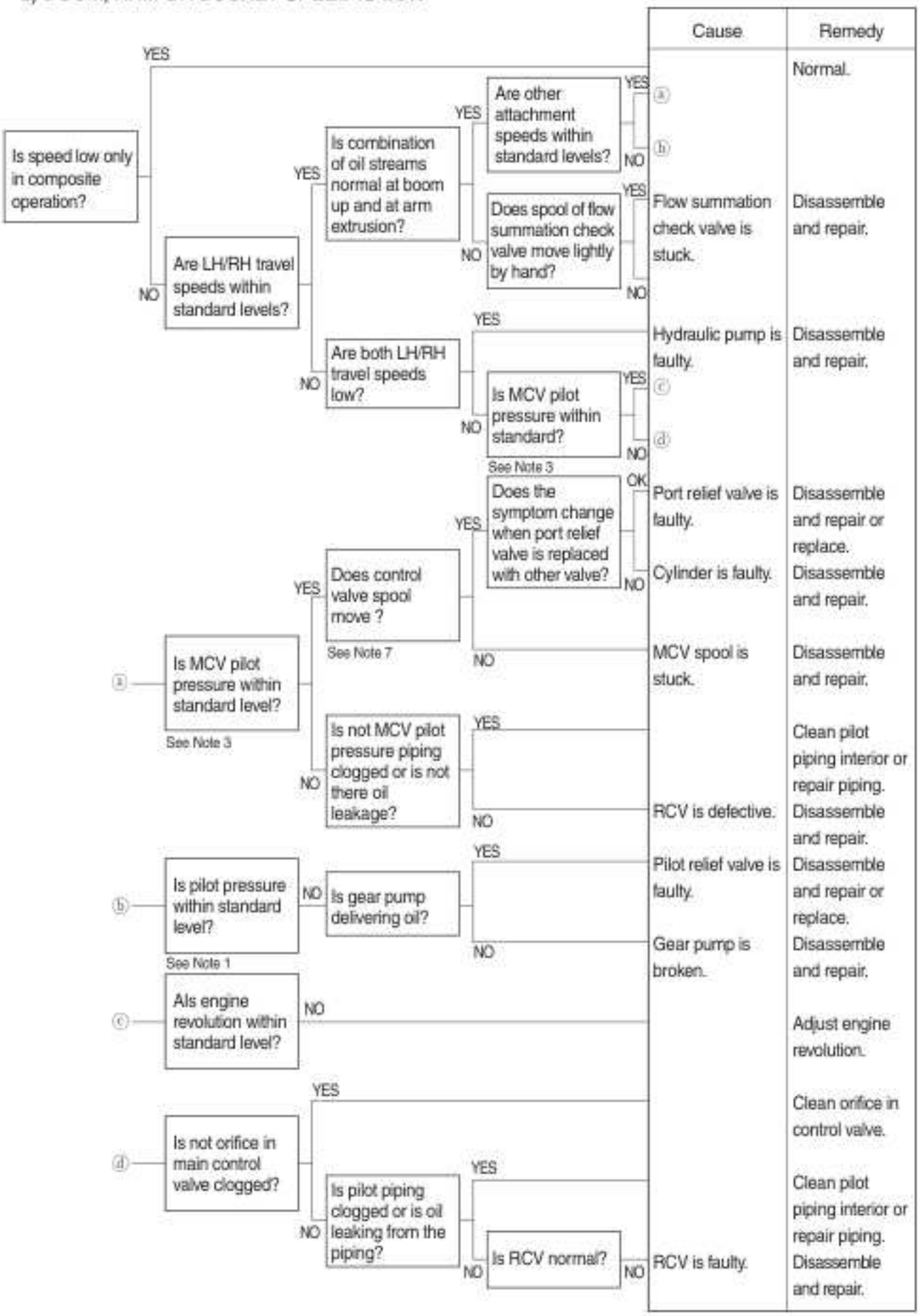
2) CHECK POINT

Engine	Start switch	Check point	Voltage
OPERATING	START	① - GND (battery) ② - GND (start key) ③ - GND (battery relay M4) ④ - GND (starter B^+) ⑤ - GND (starter M) ⑥ - GND (start relay) ⑦ - GND (battery relay M8)	20~25V

※ GND : Ground

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2) BOOM, ARM OR BUCKET SPEED IS LOW



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⑧ Assemble the piston assy (16) in the set plate (15).



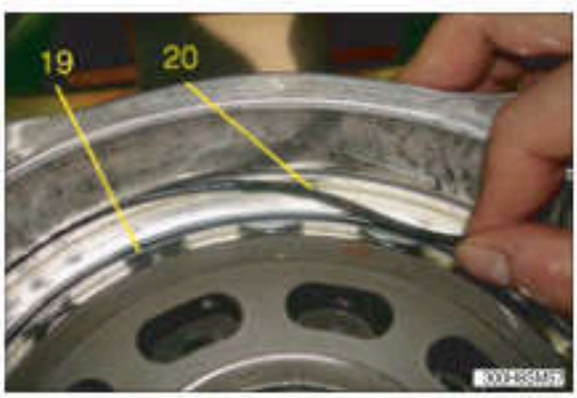
⑨ Assemble the piston assy (16) in the cylinder block (9).
Apply the clean hydraulic oil in the piston assy and hole of cylinder block (9) before assemble the piston assy (16)



⑩ The workbench horizontally, assemble the cylinder block assy in the body (1) and insert the O-ring (19, 20).



⑪ Insert the O-ring (19, 20) in the body (1).



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(28)Assemble piston ring (30), piston ring 252 (30) and 278 (31) into brake piston (29).



(29)Assemble brake piston into shaft casing.

※ Be careful of the direction of assembling brake piston.



(30)Assemble brake spring (32).

※ Quantity : Spring-10pieces, Holes-11pieces

※ Do not assemble on the top of brake piston.



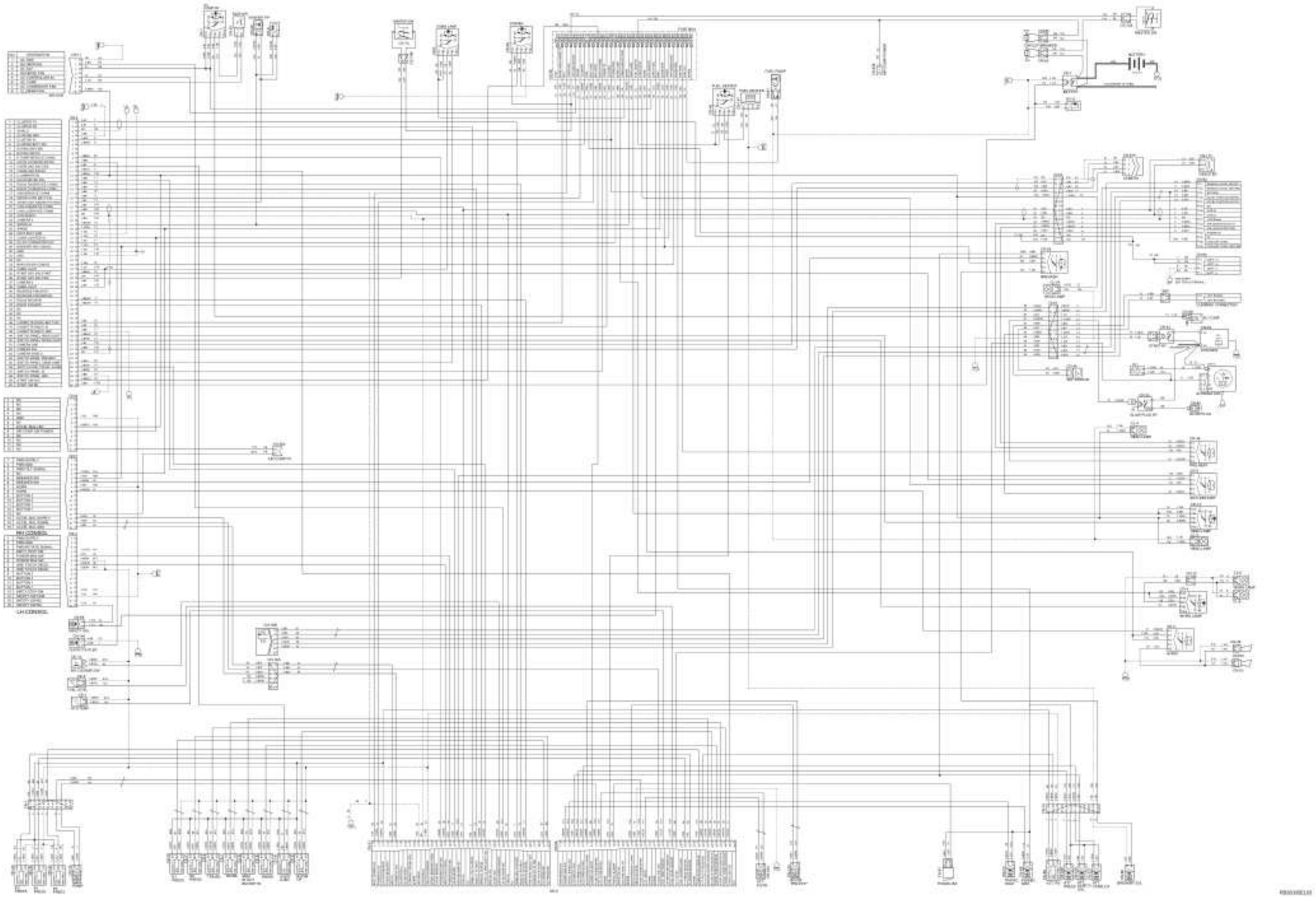
(31)Insert O-ring (69), after fastening orifice screw (4) with standard torque.

· Quantity and size : (4) 2 pieces-Ø1.0
(56) 1pieces-Ø1.5

· Tightening torque : 7 kgf · m (50.63 lbf · ft)



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