CRAWLER EXCAVATOR

SERVICE MANUAL

R140LC-9

HYUNDAI

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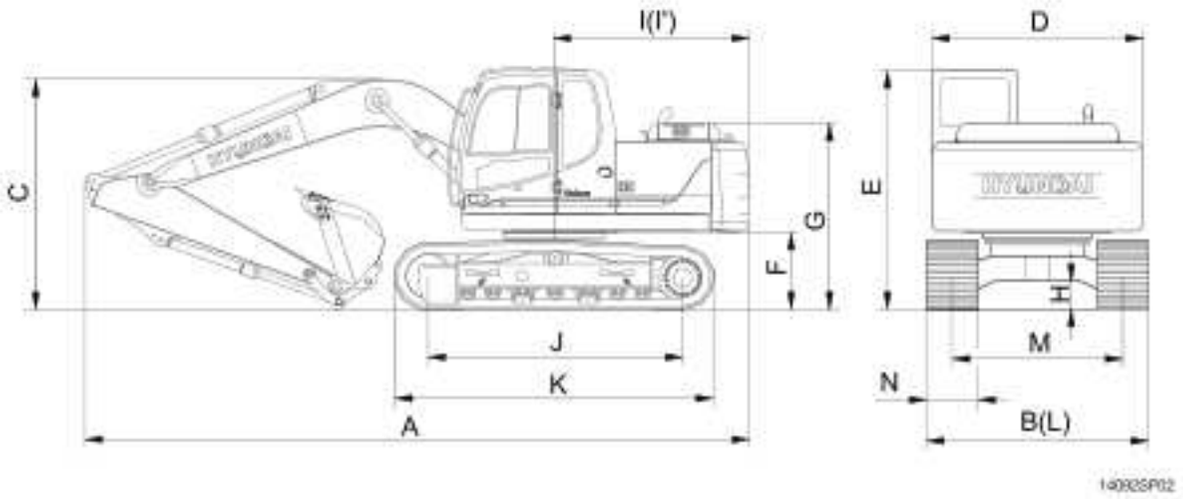
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2. SPECIFICATIONS

1) R140LC-9

· 4.60 m (15' 1") BOOM and 2.50 m (8' 2") ARM



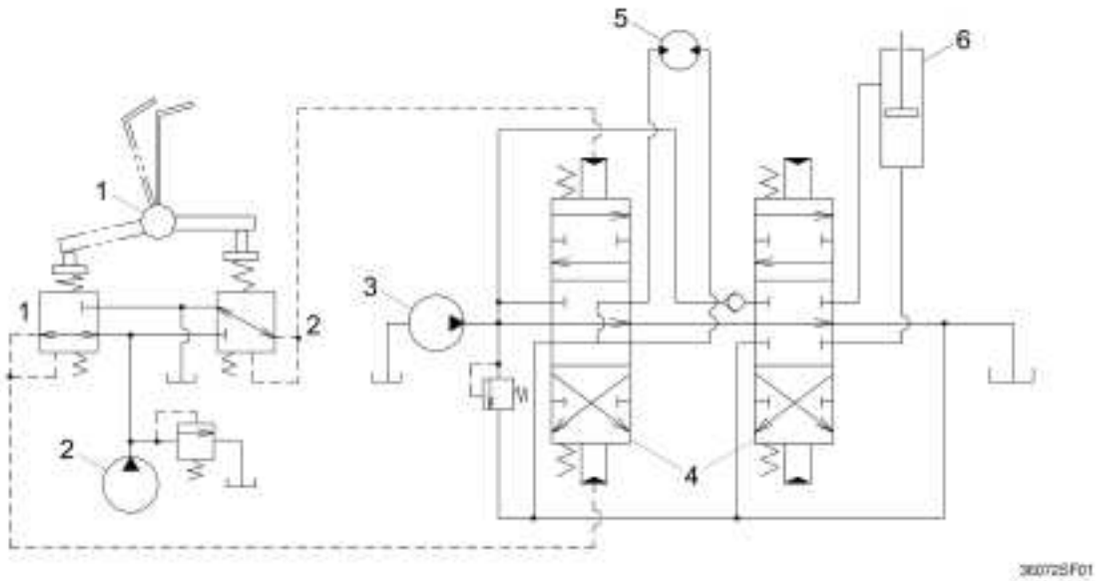
Description		Unit	Specification
Operating weight		kg (lb)	13980 (30820)
Bucket capacity (SAE heaped), standard		m³ (yd³)	0.58 (0.76)
Overall length	A	mm (ft-in)	7820 (25' 7")
Overall width, with 600 mm shoe	B		2600 (8' 6")
Overall height of boom	C		2780 (9' 1")
Superstructure width	D		2500 (8' 2")
Overall height of cab	E		2860 (9' 4")
Ground clearance of counterweight	F		940 (3' 1")
Engine cover height	G		2050 (6' 7")
Minimum ground clearance	H		440 (1' 5")
Rear-end distance	I		2330 (7' 7")
Rear-end swing radius	I'		2330 (7' 7")
Distance between tumblers	J		3000 (9'10")
Undercarriage length	K		3750 (12' 4")
Undercarriage width	L		2600 (8' 6")
Track gauge	M		2000 (6' 7")
Track shoe width, standard	N		600 (24")
Travel speed (low/high)		km/hr (mph)	3.6/5.6 (2.2/3.5)
Swing speed		rpm	13.0
Gradeability		Degree (%)	35 (70)
Ground pressure (600 mm shoe)		kgf/cm²(psi)	0.36 (5.12)
Max traction force		kg (lb)	13300 (29320)

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3) OPERATION

The operation of the pilot valve will be described on the basis of the hydraulic circuit diagram shown below ant the attached operation explanation drawing.

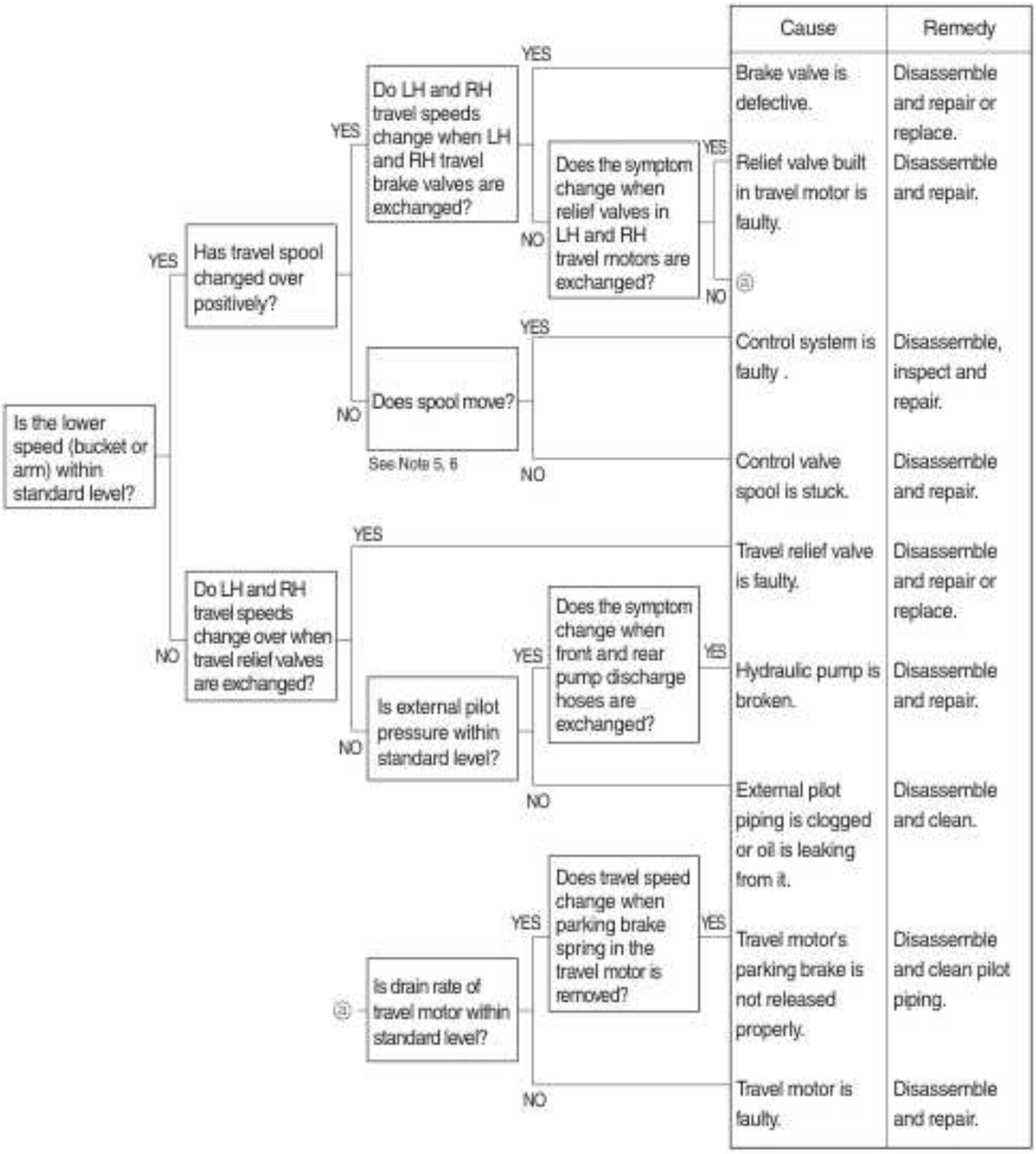
The diagram shown below is the typical application example of the pilot valve.



1	Pilot valve	3	Main pump	5	Hydraulic motor
2	Pilot pump	4	Main control valve	6	Hydraulic cylinder

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2) SPEED ON ONE SIDE FALLS AND THE MACHINE CURVES



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(3) Monitoring

① Active fault



- The active faults of the MCU or engine ECM can be checked by this menu.

② Logged fault



- The logged faults of the MCU or engine ECM can be checked by this menu.

③ Delete logged fault



- The logged faults of the MCU or engine ECM can be deleted by this menu.

④ Monitoring (analog)



- The machine status such as the engine rpm, oil temperature, voltage and pressure etc. can be checked by this menu.

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③ Brightness



Manual (1st~10th step)



Auto (day/night)

※ If "Auto" is chosen, brightness for day and night can be differently set up. Also by using the bar in lower side, users can define which time interval belongs to day and night.
(in bar figure, gray area represents night time while white shows day time)

④ Unit



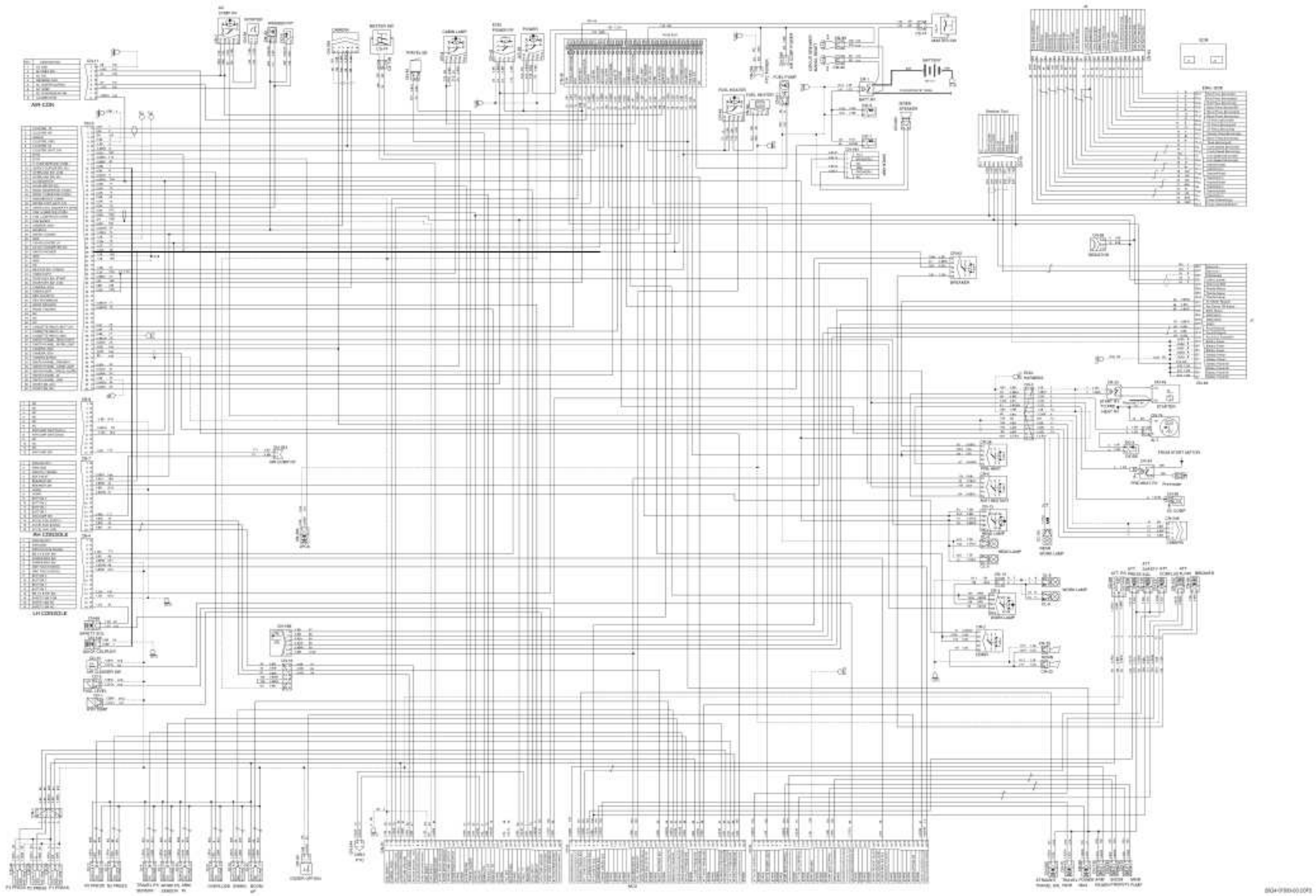
- Temperature : ˚C ↔ ˚F
- Pressure : bar ↔ MPa ↔ kgf/cm²
- Flow : lpm ↔ gpm
- Date format : yy/mm/dd ↔ mm/dd/yy ↔ dd-Mar-yy

⑤ Language



- User can select preferable language and all displays are changed the selected language.

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