KOBELCO

SERVICE MANUAL

HYDRAULIC EXCAVATOR

KW904

KW904D

S5YD0001E 01

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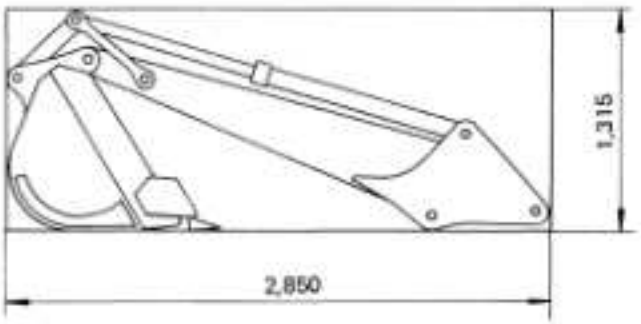
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3.4 ARM + BUCKET (STD.)

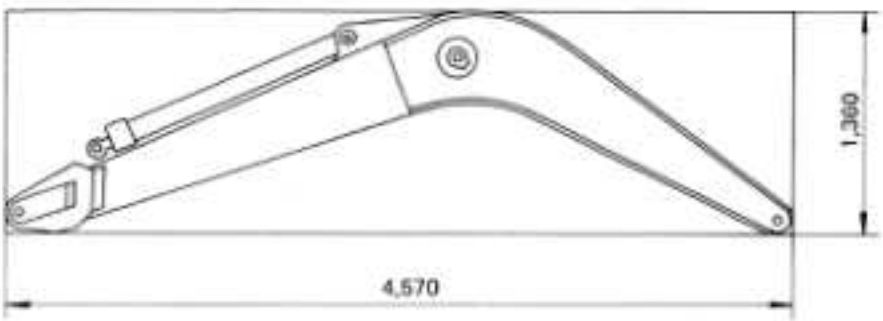
Unit: mm

	KW904D, KW904
Width	920 mm
Weight	0.79 ton



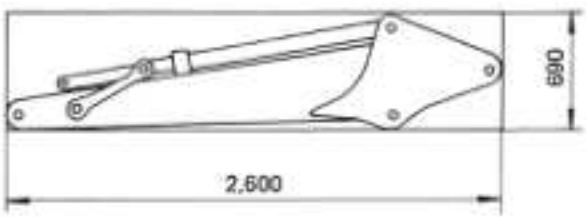
3.5 BOOM

	KW904D, KW904
Width	650 mm
Weight	0.72 ton



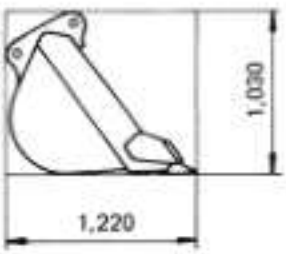
3.6 ARM (1.9 m)

	KW904D, KW904
Width	345 mm
Weight	0.37 ton



3.7 BUCKET (0.4 m³)

	KW904D, KW904
Width	920 mm
Weight	0.41 ton



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BREAKER HYDRAULIC CIRCUIT

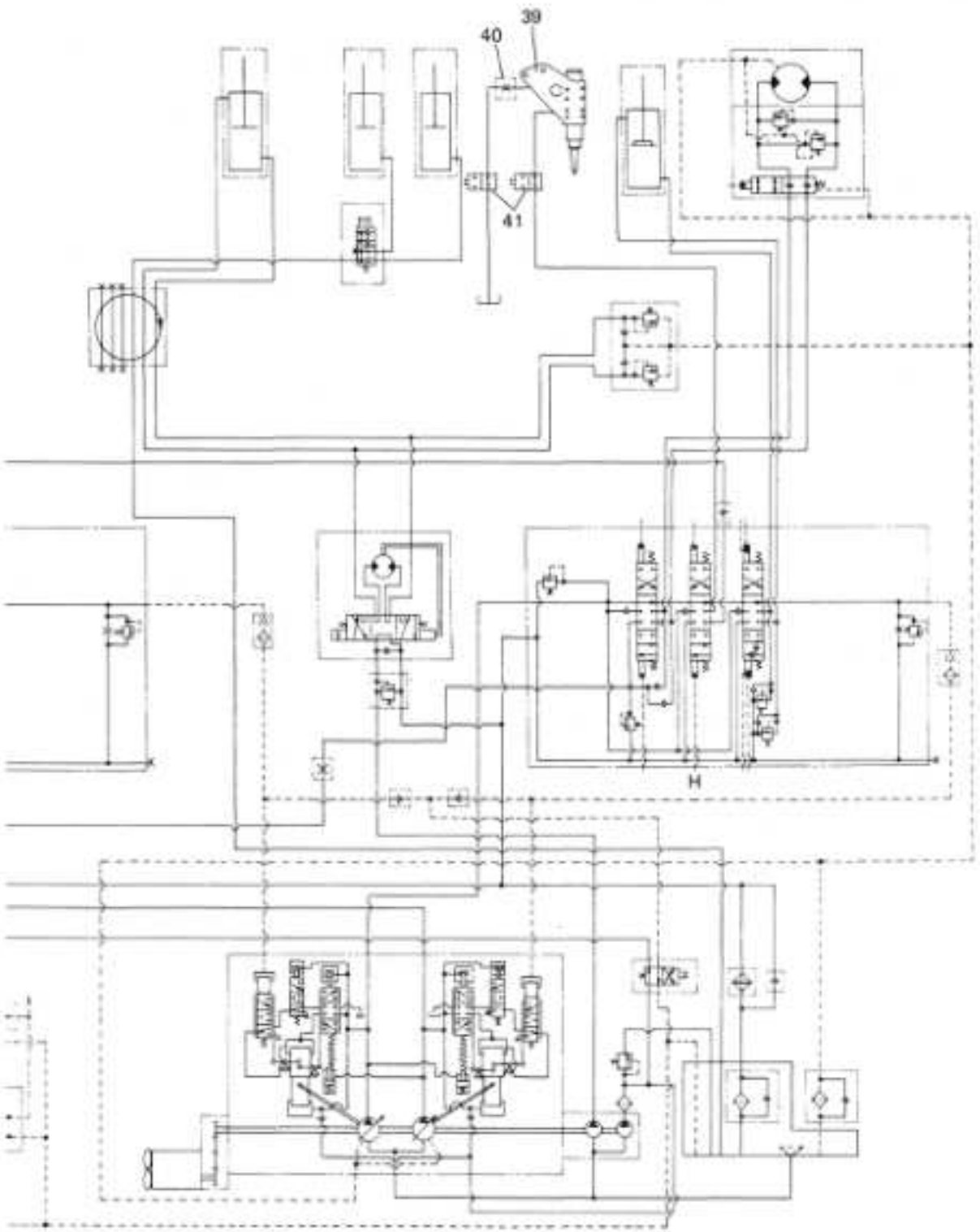


Fig. 9

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5. TROUBLESHOOTING

(1) Hydraulic motor does not rotate.

Trouble	Cause	Remedy
Pressure does not rise.	Relief valve of control valve or brake valve is faulty.	Adjust to specified pressure or replace.
Pressure rises.	1) Motor is overloaded. 2) Moving parts are seized.	1) Eliminate overload. 2) Inspect piston shoe, cylinder and valve plate and repair or replace faulty parts.

(2) Rotating direction is opposite.

Trouble	Cause	Remedy
Rotating direction is opposite.	1) Rotating direction of motor is reverse. 2) Inlet and outlet of piping are reversed.	1) Check and assemble correctly according to "Assembly". 2) Perform correct piping.

(3) Revolution does not rise to the specified value.

Trouble	Cause	Remedy
Revolution does not reach the specified value.	1) Oil inflow is short. 2) Leak is abnormally large due to high oil temperature. 3) Sliding surfaces are worn or broken.	1) Check pump discharge rate and the circuit to motor. 2) Lower oil temperature. 3) Replace faulty parts.

(4) Oil leaks from oil seal.

Trouble	Cause	Remedy
Oil leaks from oil seal.	1) Foreign matter is entrapped at the lip of oil seal. 2) Shaft is damaged or worn. 3) Lip of oil seal is turned up due to unusually high inner casing pressure. 4) Shaft has rust or other irregularity.	1) Replace oil seal. 2) Shift the position of lip and shaft or replace shaft. 3) Repair drain piping that is clogged. 4) Disassemble and correct.

(5) Oil leaks through matching surfaces.

Trouble	Cause	Remedy
Oil leaks through matching surfaces.	1) O ring is missing. 2) O ring is faulty. 3) Sealing surface is faulty. 4) Capscrews are loose or broken.	1) Fit O ring. 2) Replace. 3) Disassemble and correct. 4) Tighten to the specified torque or replace.

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