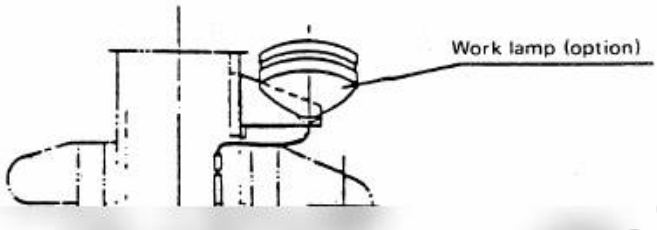
Wiring layout I

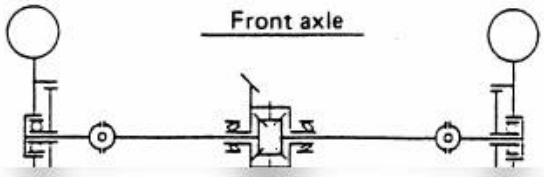


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5 - 8 Power Transmission System Diagram



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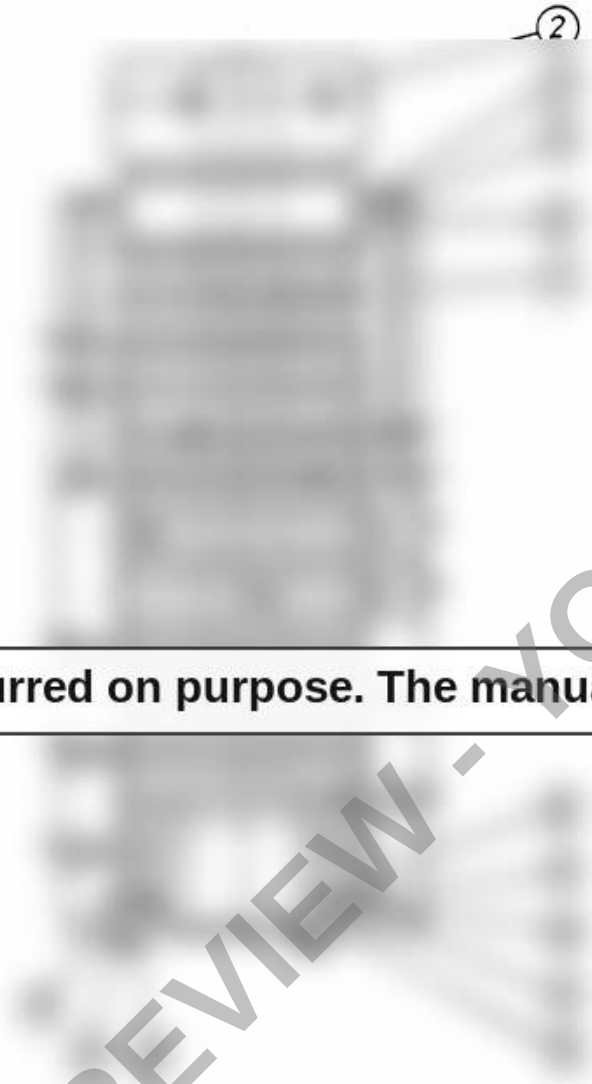
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3 - 7 - 2 Swivel joint

The swivel joint is used so that hydraulic oil piping does not twist as the upperstructure of the machine rotates.

The outer housing is grooved according to the number of pipes. Hydraulic oil coming from the shaft port is fed to each actuator of the under-carriage through these grooves.

Structure



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Tightening Torque of Engine Principal Bolts and Nuts

No.	Tightening part		Nominal diameter	Tightening torque Kg-cm (N-m)
1	Cylinder head	Stud bolt	—	—
		Main bolt	M10	750 ~ 850 (74 ~ 83)
2	Connecting rod bolt		M9	450 ~ 500 (44 ~ 49)
3	Metal cap fixing bolt		M12	950 ~ 1,050 (93 ~ 103)
4	Flywheel bolt		M12	900 ~ 1,000 (88 ~ 98)

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4. ADJUSTING PROCEDURE FOR EACH PART

4 - 1 Toe-in Adjustment



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Name			YANMAR Wheel Backhoe
Model			YB401W
Piston ring	First compression ring	Shape	Barrel face
		Number	1
	Second compression ring	Shape	Tapered face
		Number	1
	Oil ring	Shape	Bevel cutter with coil expander

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2–2 Engine Maintenance Standards

(unit: mm)

	Items	Nominal Size	Tolerance	Standard Clearance	Maximum Permissible Clearance	Permissible Limit	Remedy
Cylinder block	Cylinder liner bore	ϕ78				ϕ78.20	
	Liner protrusion 	0.03~ 0.09					

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Name			YANMAR Wheel Backhoe
Model			YB401W
Electrical components	Generator	Type	AC type
		Nominal output	12V - 35A
		Rated rpm	4,688 rpm
	Regulator	Type	IC type
		Regulating voltage	14.5 ± 0.3V
	Starter motor	Type	Bendix type
		Nominal output	12V - 1.8 KW
		Engagement method	Magnetic shift
	Battery	Type	95D31R (NX120 - 7)
		Voltage-capacity	12V - 80AH
	Hourmeter		Electric type 12V - 12W
	OK monitor		12V - 1.7W x 6
	Horn		12V - 48W
	Fuse		15A x 4, 10A x 2
	Headlight		12V - (45W/45W)
	Boom light		Old 12V - 60W New 14V - 60W
	Parking brake indicator lamp		12V - 3.4W
	Air heater signal lamp		12V - 3.4W
	Turn signal lamp		12V - 23W
	Turn signal indicator lamp		12V - 3.4W
	High beam indicator lamp		12V - 3.4W
	Backup lamp		12V - 10W
	Tail lamp		12V - 8W
	Stop lamp		12V - 23W
	Lisence lamp		12V - 10W

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