CRAWLER EXCAVATOR

SERVICE MANUAL

HX75S (China)

HYUNDAI

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7) Remote control valve

Item		Specification
Type		Proportional pressure reduction
Operating pressure	Min.	5kgf/cm^2
	Max.	20.5kgf/cm^2
One-way operating stroke	Handle	6.5/8.5 mm (0.26/0.33 in)

8) Cylinder

Item		Specification
Boom cylinder	Bore dia × Rod dia × Stroke	Φ115 × Φ70 × 980mm
	Cushion	Extend only
Arm cylinder	Bore dia × Rod dia × Stroke	Φ95 × Φ60 × 860 mm
	Cushion	Extend and retract
Bucket cylinder	Bore dia × Rod dia × Stroke	Φ90 × Φ55× 665 mm
	Cushion	
Dozer cylinder	Bore dia × Rod dia × Stroke	Φ110× Φ65 × 152 mm

※ Discoloration may occur to the cylinder rod due to surface friction during operation.

※ Discoloration of the piston surface of the cylinder does not cause any harmful effect on the cylinder performance.

9) Shoe

Item	Width	Ground pressure	Link quantity	Overall width
HX75S	450 mm (16")	0.35 kgf/cm^2	38	2260 mm (7'5")

10) Bucket

Item		Capacity		Tooth quantity	Width	
		SAE heaped	CECE heaped		Without side cutter	With side cutter
HX75S	Standard	0.32 m^3	0.28 m^3	5	760mm	840mm

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SECTION 3 HYDRAULIC AND ELECTRICAL SYSTEM

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GROUP 1 BEFORE TROUBLESHOOTING

1. INTRODUCTION

When a trouble is occurred in the machine, this section will help an operator to maintain the machine with easy.

The trouble of machine is parted Hydraulic & Mechanical system and Electrical system system.

At each system part, an operator can check the machine according to the troubleshooting process diagram.

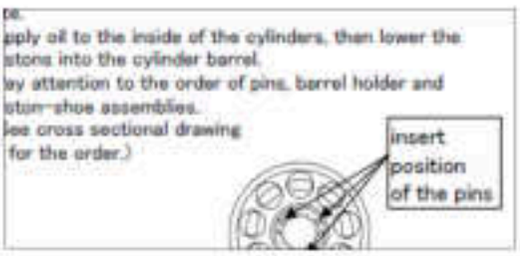


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12) Place the piston-shoe assemblies into the shoe holder.



13) Place 3 pins,barrel holder and 9 piston-shoe assembliesin that order into the cylinder barrel.





※ Apply oil to the inside of the cylinders, then lower the pistons into the cylinder barrel.

※ Pay attention to the order of pins, barrel holder and piston-shoe assemblies. (See cross sectional drawing for the order.)



14) Inset the cylinder barrel assembly into the body 2 so that the shoes contact the swash plate.

※ Pay attention not to lose the each part.



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8) Remove the 3 snap rings, 1 thrust plate 2, 3 b2 gears, 69 needles, 3 rings and 3 thrust washers.

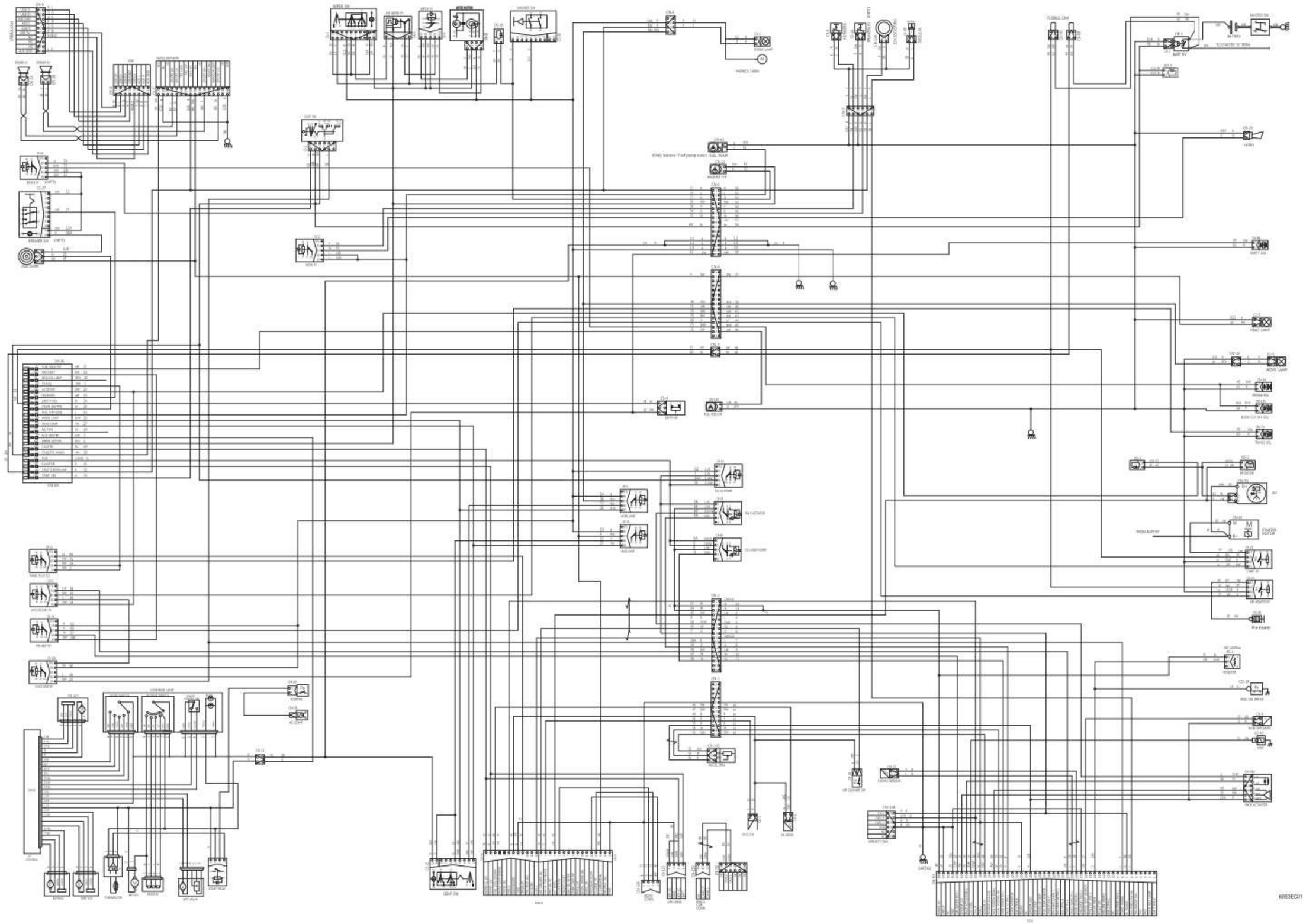
※ Pay attention not to lose the each part.







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