KOBELCO

SHOP MANUAL

HYDRAULIC EXCAVATOR

SK100 V
SK120 V
SK120LC V

ACERA

S5LP007E-00 NA

SK100 V . . . . . YW06501~
SK120 V . . . . . LP01101~
SK120LC V . . . . . YP02301~

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SHOP MANUAL

SK100V
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LP01

SPECIFICATION

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		Engine				Pump				Control valve					Low pressure sensor				Con-troller	Various select switches						E/G	Electrical fittings					Engine					Pump		Control valve																Solenoid valve						
		Drive	Limit SW	Governor motor	Governor motor link	Throttle potentiometer	Proportionate valve P1	Proportionate valve P2	High pressure sensor P1	High pressure sensor P2	P2 cut proportionate valve	Travel straight proportionate valve	P1 cut proportionate valve	Boom conflux proportionate valve	Swing fine speed proportionate valve	Each attachment	Swing	For each travel	(Option)	For mechatronic controller	For cluster	Mode select	Auto accel	Travel 2 speed select	ATT boost pressure	Travel variable	Loading variable	Swing fine speed	Engine rotary sensor	Engine oil pressure switch	Key switch	Key switch relay	Battery relay	Starter	Safety relay	Engine proper	Governor	Fuel filter	Water separator	Fuel cut lever	Main hydraulic pump	Regulator	Pilot pump	Main relief valve	Port relief	Main spool	Neutral cut valve	Travel straight valve	Boom conflux valve	Swing flow control	Arm conflux valve	Lock valve	Pilot valve	Pilot relief valve	Swing unit	Travel unit	Swivel joint	Hydraulic cylinder	Swing parking	ATT boost pressure	Travel deflection prevention	FC mode	Travel 2-speed	Lever lock
Operation	Som actuator motions are slow						●	●	●	●	●									●																																									
	Pump makes a boost sound when lever is in neutral and when fine speed operation is performed.										●	●	●	●	●	●																												●	●	●	●	●	●	●											
	Engine revolution falls in digging operation.						●	●	●	●										●								●							●	●	●	●	●	●																				
	Digging speed power is deficient						●	●	●	●	●		●							●																							●																				
	Arm pull action is slow by engine control. (Stops halfway)																						●																				●																				
	Pressure can not be boosted by ATT boost pressure.																				●																								●																●				
	Operating speed does not change by ATT boost pressure.																		●				●																																								
	Bucket speed is slow.											●			●																															●																		
	Boon down action is impossible.																																												●					●												
	Arm digging speed is slow.											●			●																															●	●	●																
	Boom up speed is slow.												●	●	●																															●	●		●																
	Loading mode does not change.										●		●															●																			●		●																
	ATT makes natural fall to a great deal.																																																●					●								
Swing	Swing motion is impossible.																																												●						●			●								
	Swing speed is slow.														●													●																			●			●			●								
	Swing speed does not get slow in swing fine speed mode.														●													●																					●												

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