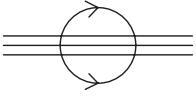
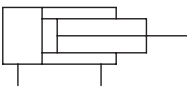

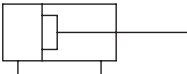

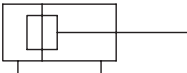
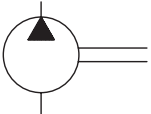
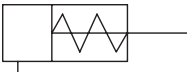
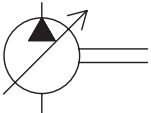
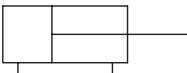
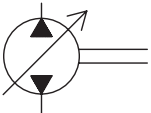
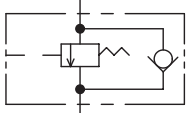
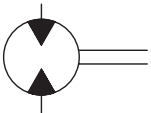
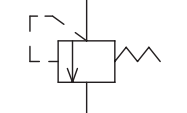
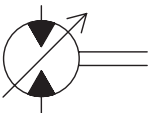

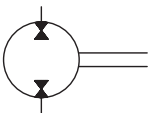
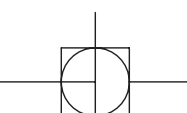
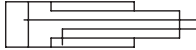

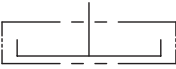

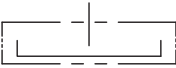
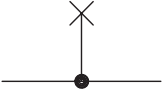





## SYMBOLM MARK OF HYDRAULIC SYSTEM SCHEMATIC

Name	Symbol	Name	Symbol
Swivel Joint		2 Stage Double Acting Telescopic Cylinder	
		Double Acting Cylinder With Cushioned	
Pilot			
Hydraulic Pump		Single Acting Cylinder (With Spring)	
Variable Displacement Pump			
Double Variable Displacement Pump		Counterbalance Valve	
Hydraulic Motor		Sequence Valve	
Variable Displacement Motor		Stop Valve (Rotate Type)	
Double Rotate Pump and Motor		Stop Valve (Select Type)	
Telescopic Cylinder		Hydraulic Tank	

Name	Symbol	Name	Symbol
Hydraulic Tank		Pressure Sensor	
		Plug Port	
Reserver Tank		Single Acting Cylinder (With Spring)	
Pressure Switch			

# Kobelco Crawler Crane Ck1600 1f Cke1350 1f Circuit Chart Collection

Full download: <http://manualplace.com/download/kobelco-crawler-crane-ck1600-1f-cke1350-1f-circuit-chart-collection/>

## ABBREVIATION in the Hydraulic Circuit Diagram for CK/CKE/BM/BME series

AC to PB		CKE600 CKE700 CKE800 CK850-2	CKE900 CK1000-2 BME800HD	CK1350 CK1600	CKE1800 CK2000	CKE2500-2 CK2500-2 * 7250-2	Remark
ACC	Accumulator	○	○	○	○	○	
ACC	Aux Clutch Cooling	-	-	-	○	-	
AC I	Aux winch Cooling In	○	○	○	○	○	
AC O	Aux winch Cooling Out	○	○	○	○	○	
CLA	Clutch Aux winch	○	○	○	○	○	
CLM	Clutch Main winch	○	○	○	○	○	
CLT	Clutch 3rd winch	○	○	○	-	-	
DR1	Drain from No.1 Main pump	○	○	○	○	○	
DR2	Drain No.2 Main pump	○	○	○	-	-	
DR2	Drain motor - Boom / Front / Rear	-	-	-	○	○	
DR3	Drain motor - Boom / Front / Rear	○	○	○	-	-	
DR3	Drain Swing motor	-	-	-	○	○	
DR4	Drain Swing motor	○	○	○	-	-	
DR4	Drain Propel motor ( RH/LH)	-	-	-	○	○	
DR5	Drain Propel motor ( RH/LH)	○	○	○	-	-	
DR5	Drain Swing control ( Item 32 )	-	-	-	○	○	
DR6	Drain - 3rd motor	○	○	○	○	○	
DR7	Drain for Sol.4 : Propel Motor Speed Change	○	○	○	○	○	
DR7	Drain Swing control ( Item 32 )	-	-	-	○	○	
DR8	Drain reeving winch motor	-	-	○	○	○	
DR9	Drain Tagline motor	○	○	○	○	○	
ESA	Emergency Stop Aux. winch	○	○	○	○	○	
ESM	Emergency Stop Main winch	○	○	○	○	○	
EST	Emergency Stop Third (3rd) winch	○	○	○	-	-	
MCC	Main Clutch Cooling	-	-	-	○	-	
MC I	Main winch Cooling In	○	○	○	○	○	
MC O	Main winch Cooling Out	○	○	○	○	○	
PBA	Parking Brake Aux. Winch	○	○	○	○	○	