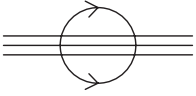
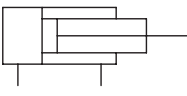

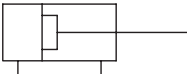

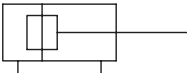
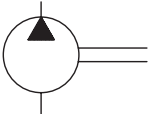
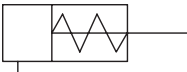
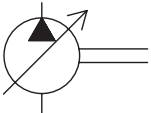
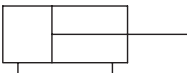
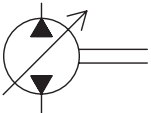
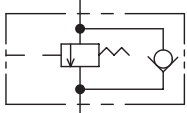
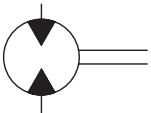
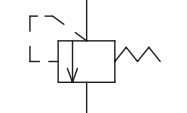
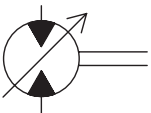

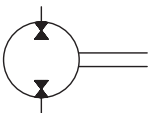
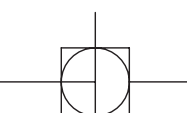
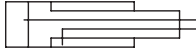

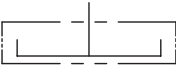

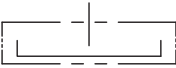
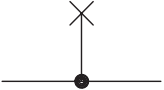





SYMBOLM MARK OF HYDRAULIC SYSTEM SCHEMATIC

| 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 Ck1000 2f Cke900 1f Circuit Chart Collection

Full download: <http://manualplace.com/download/kobelco-crawler-crane-ck1000-2f-cke900-1f-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 | ○ | ○ | ○ | ○ | ○ | |