

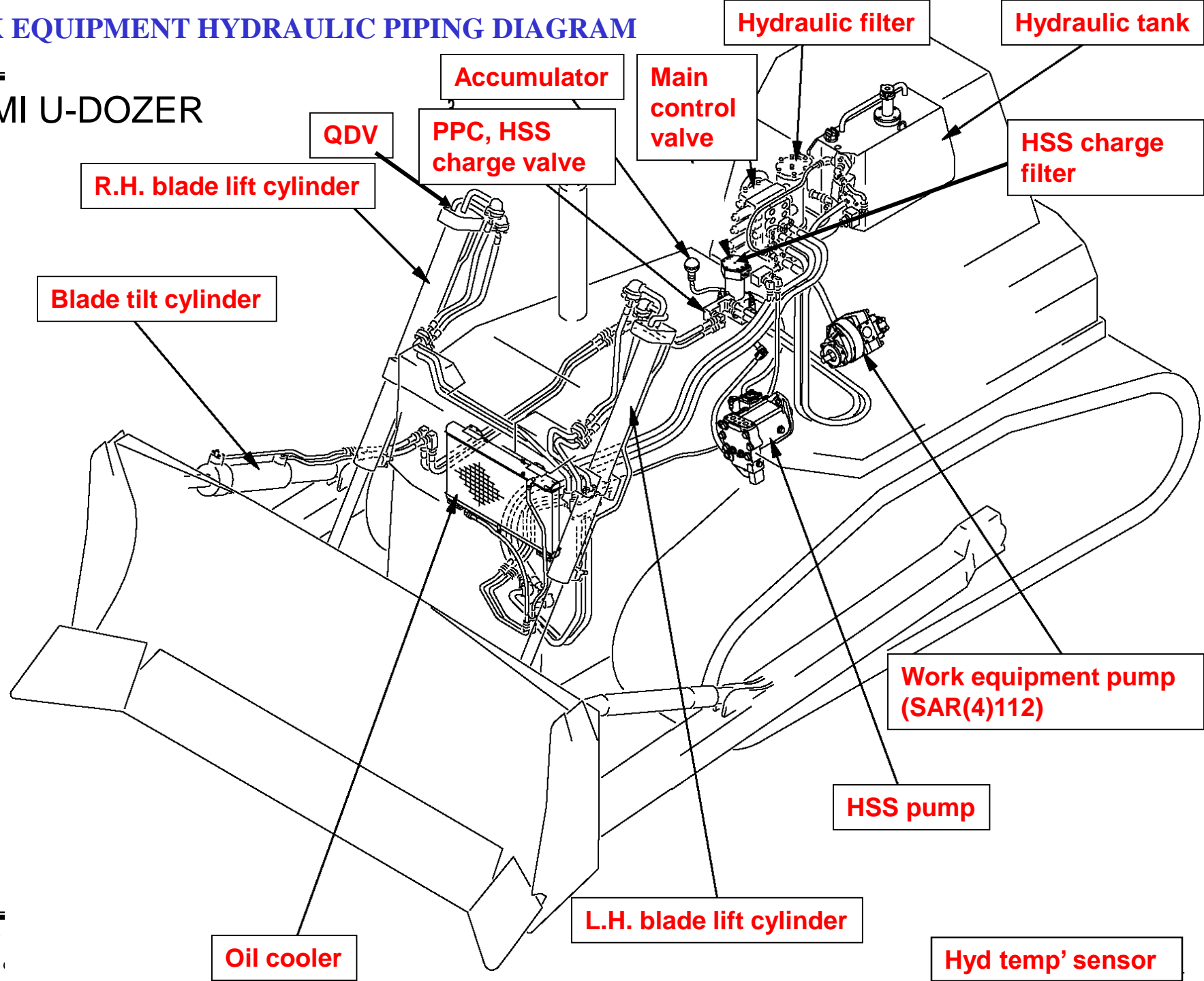
# D155AX-5 Bulldozers



## Chapter 7 : Hydraulic circuit

# WORK EQUIPMENT HYDRAULIC PIPING DIAGRAM

## SEMI U-DOZER



Hydraulic filter

Hydraulic tank

Accumulator

Main control valve

QDV

PPC, HSS charge valve

HSS charge filter

R.H. blade lift cylinder

Blade tilt cylinder

Work equipment pump (SAR(4)112)

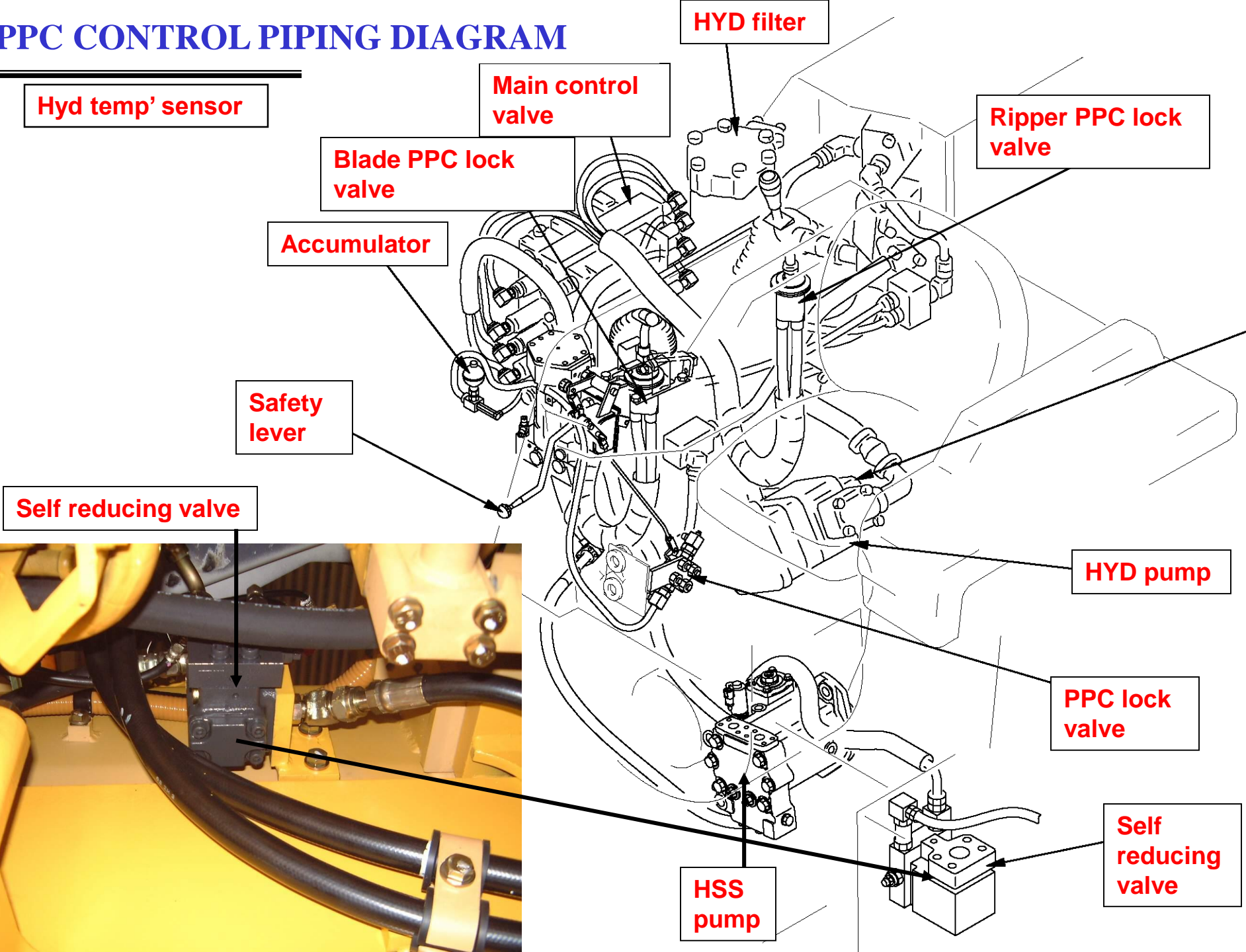
HSS pump

L.H. blade lift cylinder

Oil cooler

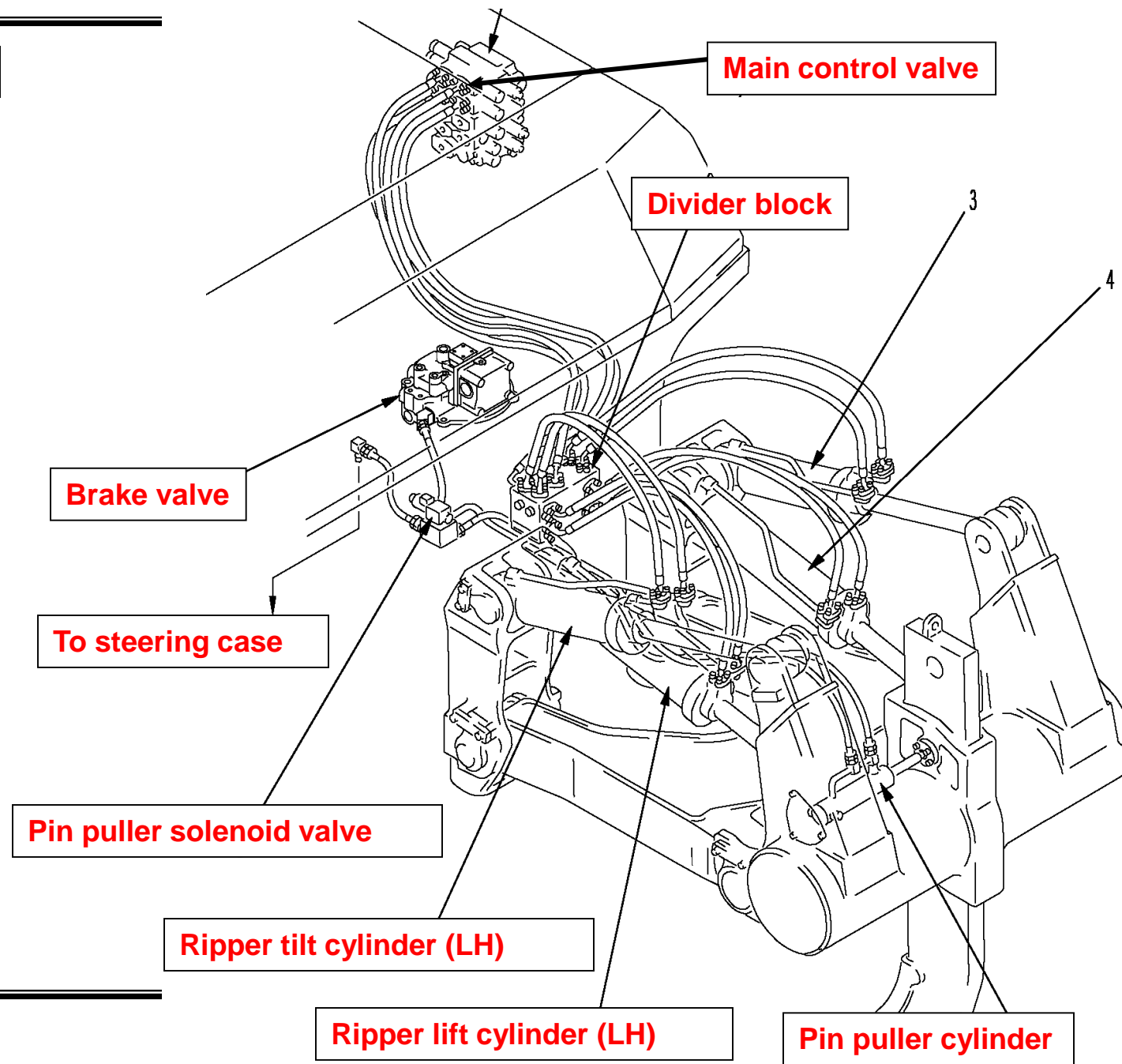
Hyd temp' sensor

# PPC CONTROL PIPING DIAGRAM



# WORK EQUIPMENT HYDRAULIC PIPING DIAGRAM

**Giant-Shank Ripper**



**Main control valve**

**Divider block**

**Brake valve**

**To steering case**

**Pin puller solenoid valve**

**Ripper tilt cylinder (LH)**

**Ripper lift cylinder (LH)**

**Pin puller cylinder**



**Main control valve**

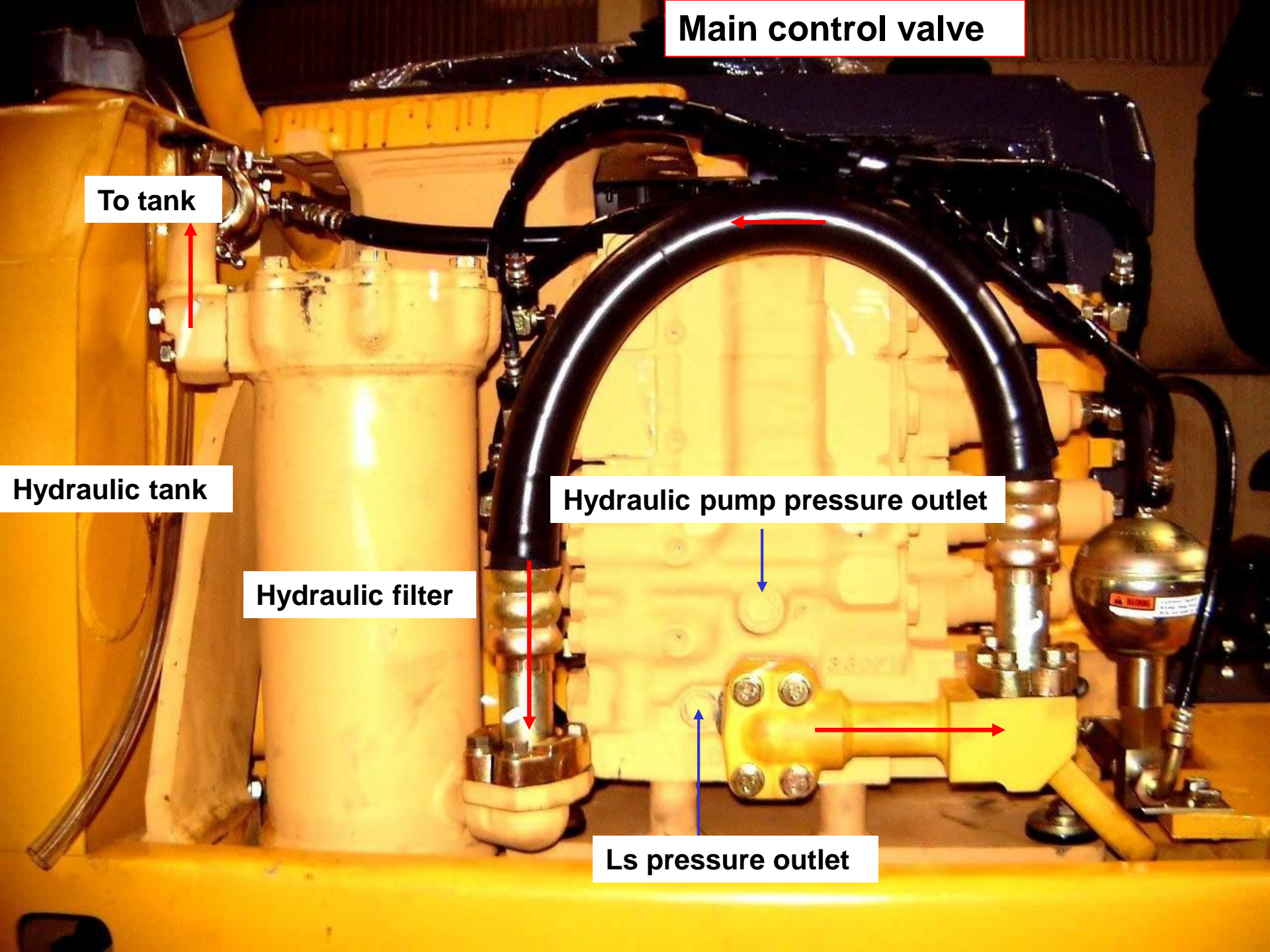
**To tank**

**Hydraulic tank**

**Hydraulic filter**

**Hydraulic pump pressure outlet**

**Ls pressure outlet**





# Main control valve

Hydraulic pump pressure outlet



Ls pressure outlet

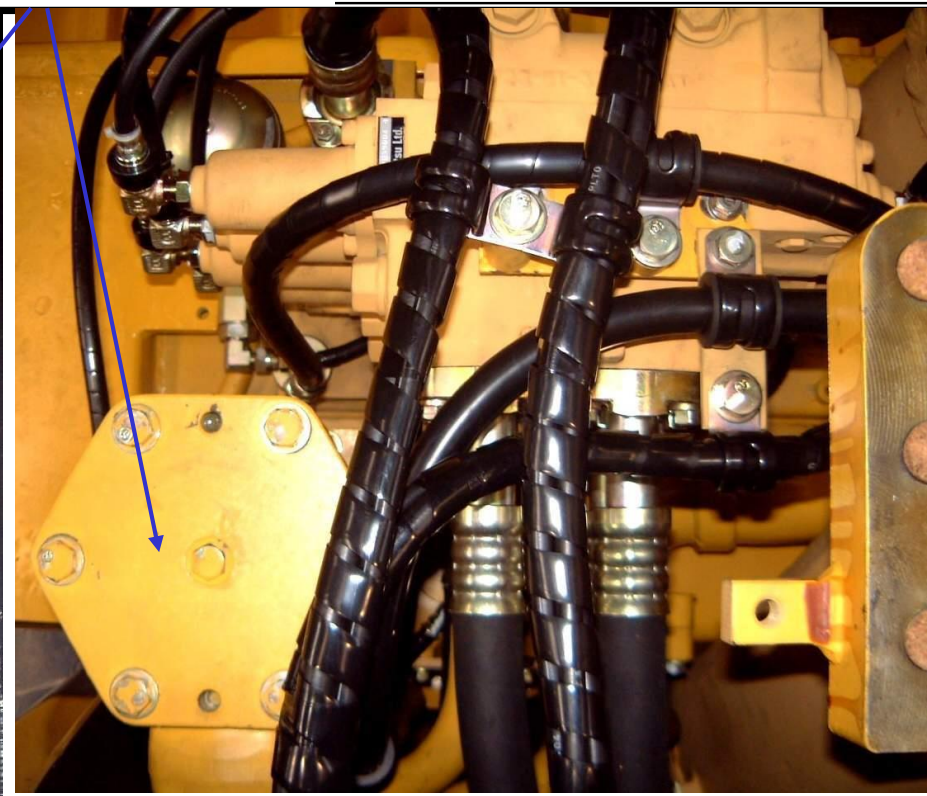
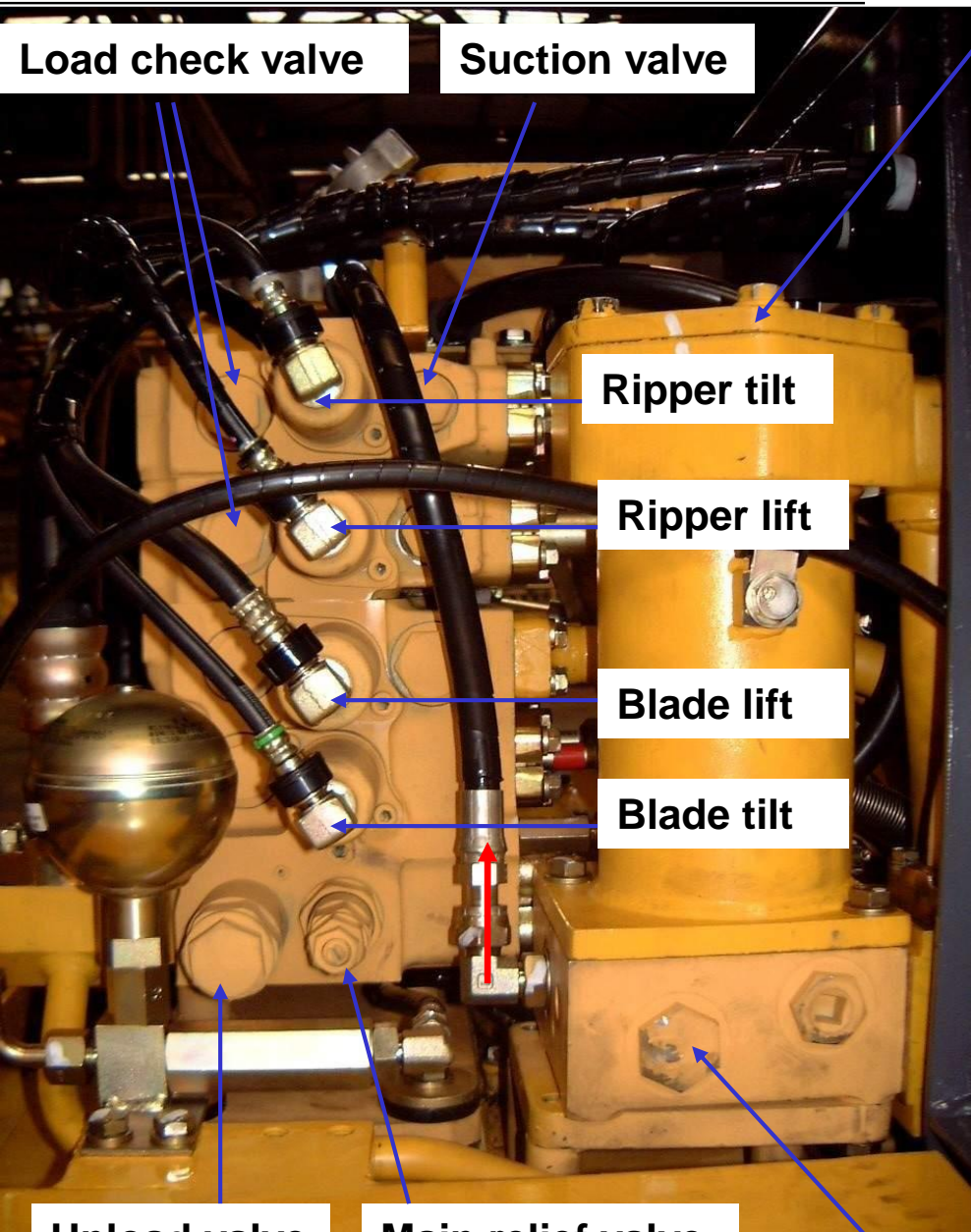




# Main control valve

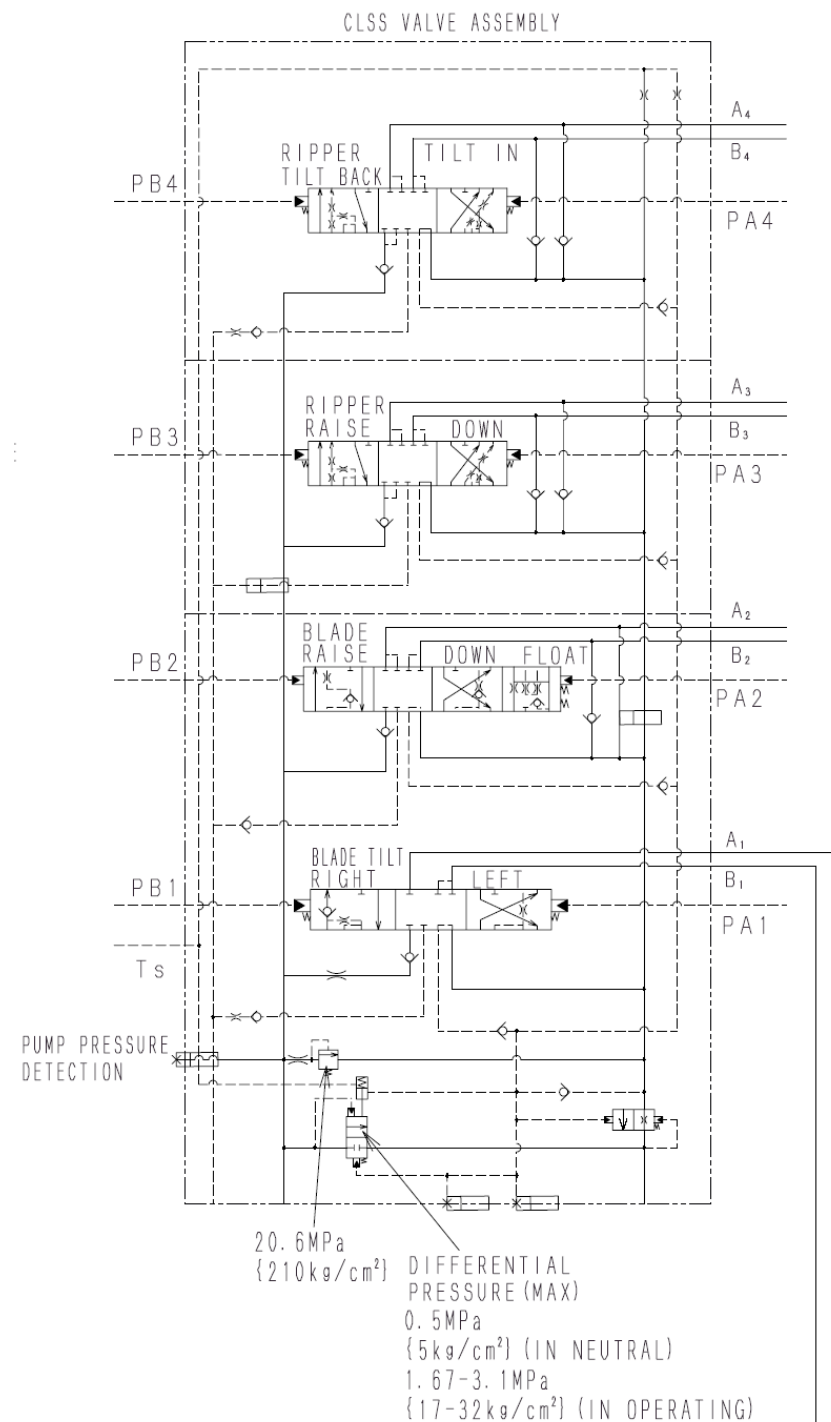
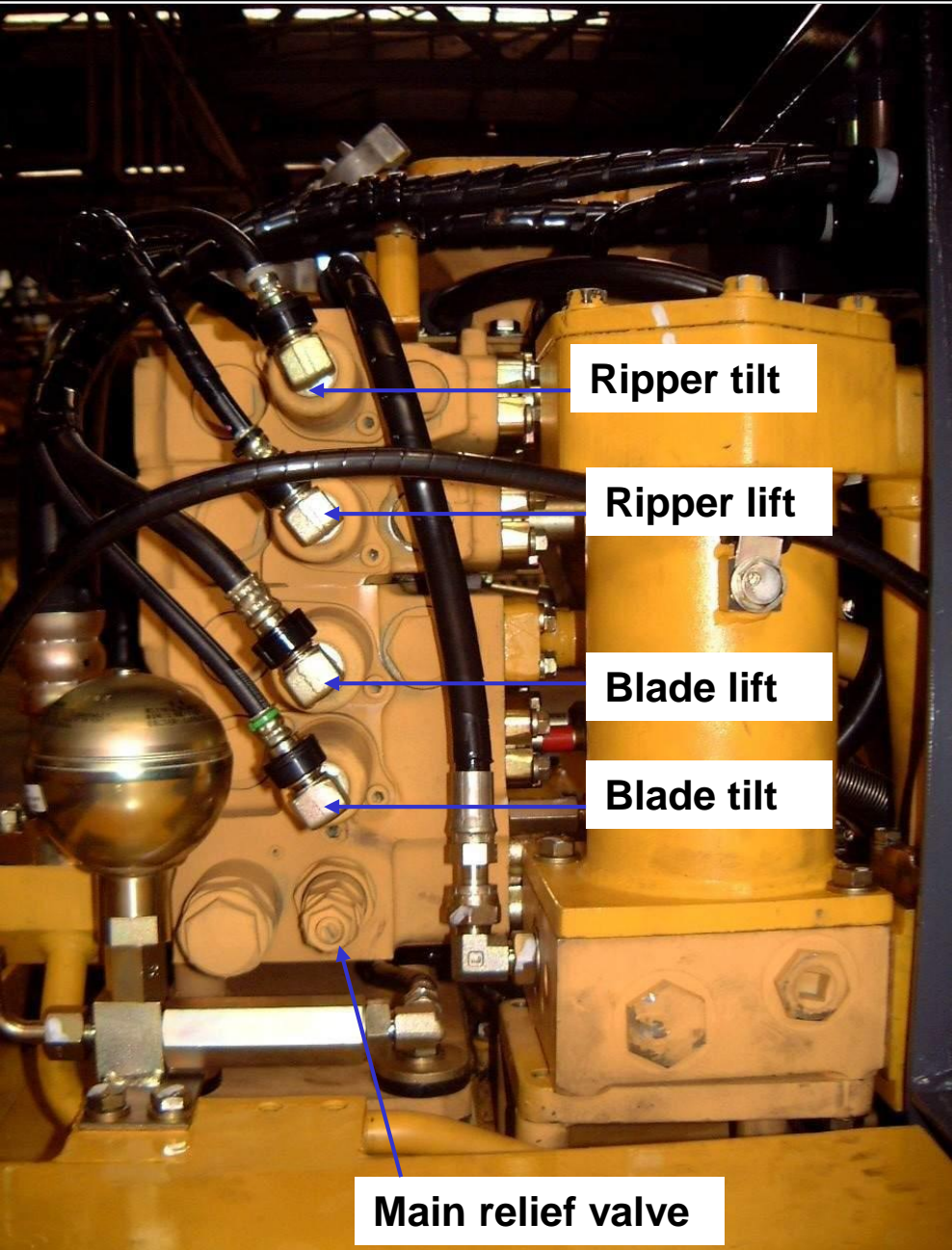
HSS Charge filter

# KOMATSU



HSS Charge by-pass valve

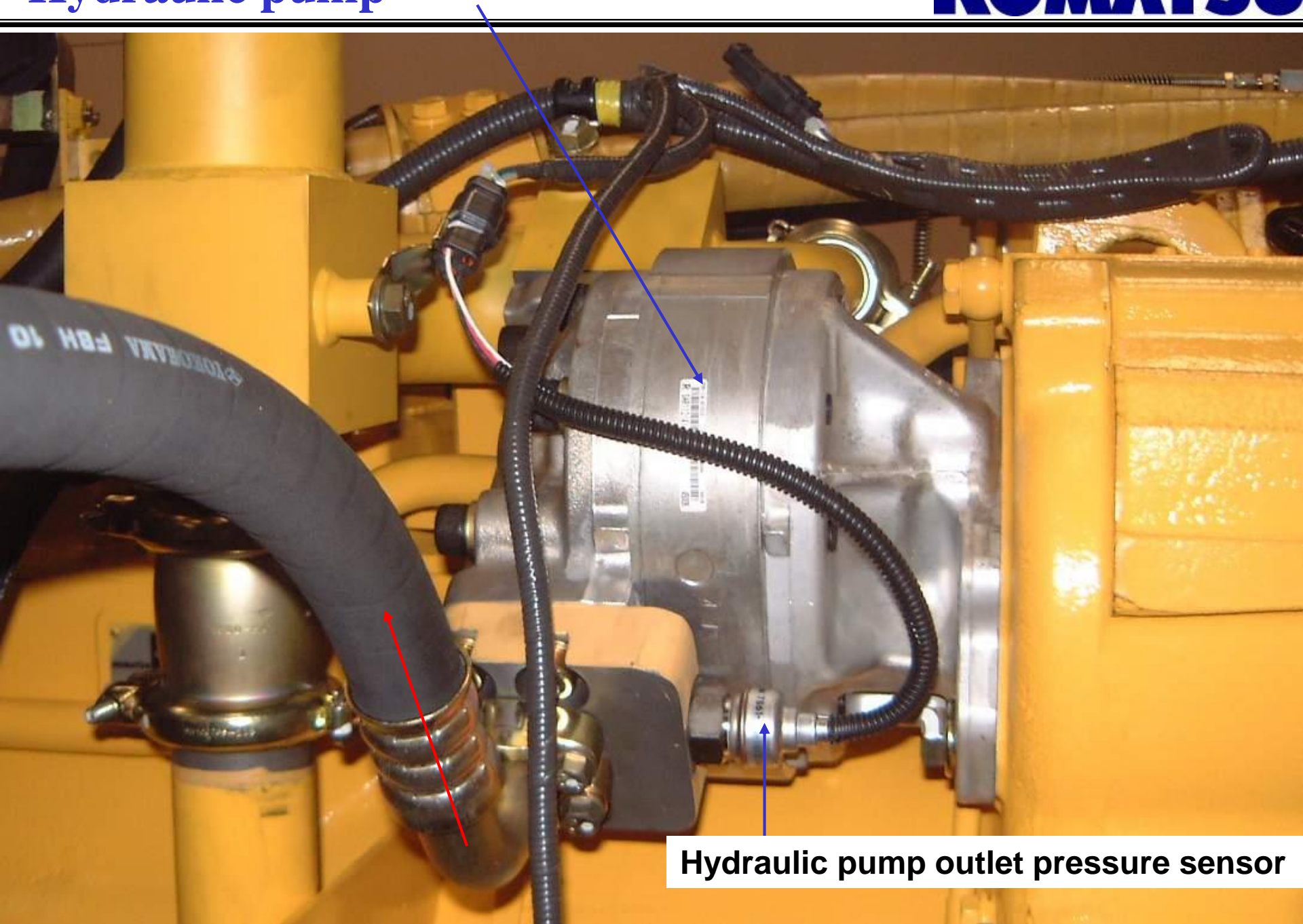
# Main control valve





# Hydraulic pump

**KOMATSU**

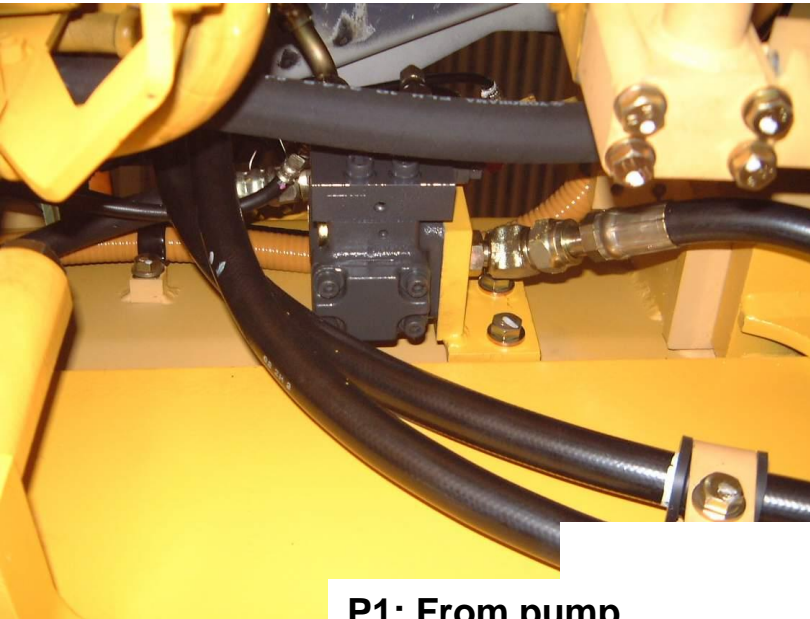


**Hydraulic pump outlet pressure sensor**

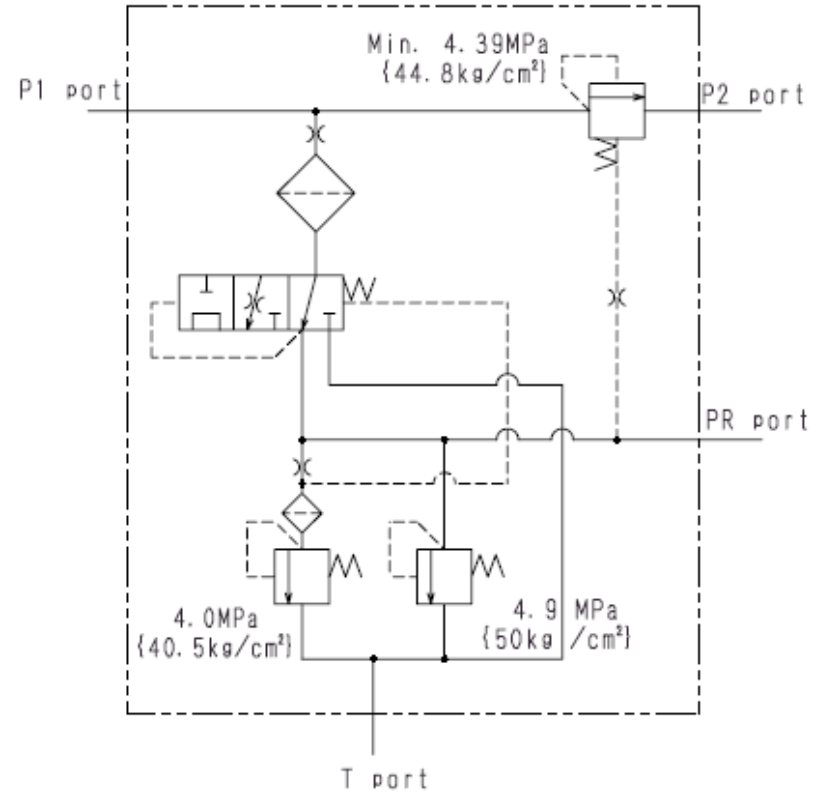
# Self reducing valve

## Function

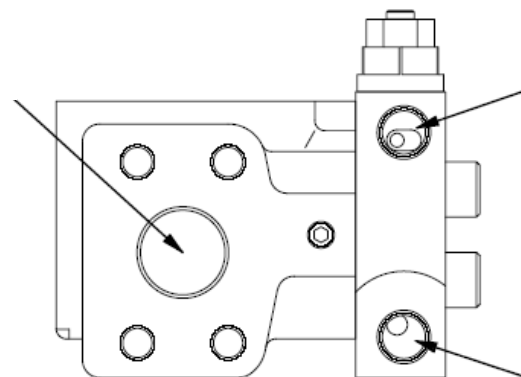
The self pressure reducing valves reduces the discharge pressure of the fan pump and supplies it to the PPC valve, the EPC valve, etc. as the control pressure.



P1: From pump



T : To hydraulic tank



PR : to PPC valve and EPC valve



# Hydraulic circuit

