

## CONTROL VALVE

### OUTLINE

The following 4 types of control valve are set.

- 6-spool valve (Without service valve)
- 6-spool valve (Without service valve, with alarm lock valve)
- 7-spool valve (6-spool valve + Service valve)
- 7-spool valve (6-spool valve + Service valve, with alarm lock valve)

The outside view and section of only 7-spool valve (6-spool valve + service valve) are shown here. The specifications of only the arms of the valves having arm lock valves are added, however.

A1: To swing motor	PB2: From left travel reverse PPC valve
A2: To left travel motor	PB3: From right travel forward PPC valve
A3: To right travel motor	PB4: From boom lower PPC valve
A4: To boom cylinder bottom	PB5: From arm IN PPC valve
A5: To arm cylinder head	PB6: From bucket CURL PPC valve
A6: To bucket cylinder head	PB7: From service 1 PPC valve
A7: To attachment	PP1: Pressure sensor port (If equipped with pressure sensor)
B1: To swing motor	PP2: Pressure sensor port (If equipped with pressure sensor)
B2: To left travel motor	PST: From travel junction solenoid valve
B3: To right travel motor	SA5: From travel PPC valve
B4: To boom cylinder head	SA6: From travel PPC valve
B5: To arm cylinder bottom	SB4: From travel PPC valve
B6: To bucket cylinder bottom	SB5: From travel PPC valve
B7: To attachment	TS1: To tank
LS: To pump LS valve	TS2: To tank
P1: From main pump	
P2: From main pump	
PP: To main pump	
PR: To solenoid valve, PPC valve, and EPC valve	1. Swing bleed valve
PS: From merge-divider solenoid valve	2. LS check valve
PX: From 2-stage relief solenoid valve	3. Travel junction valve + LS check valve
TB: To tank	4. Arm regeneration valve
TC: To oil cooler	5. Boom hydraulic drift prevention valve
BP1: From boom raise PPC valve	6. Cover
BP2: From attachment circuit selector solenoid valve	7. Service valve
PA1: From swing left PPC valve	8. Butterfly valve
PA2: From left travel PPC valve	9. Arm valve
PA3: From right travel reverse PPC valve	10. Boom valve
PA4: From boom raise PPC valve	11. Right travel valve
PA5: From arm OUT PPC valve	12. Left travel valve
PA6: From bucket dump PPC valve	13. Swing valve
PA7: From service 1 PPC valve	14. Block
PB1: From swing right PPC valve	15. Pump merge-divider valve block