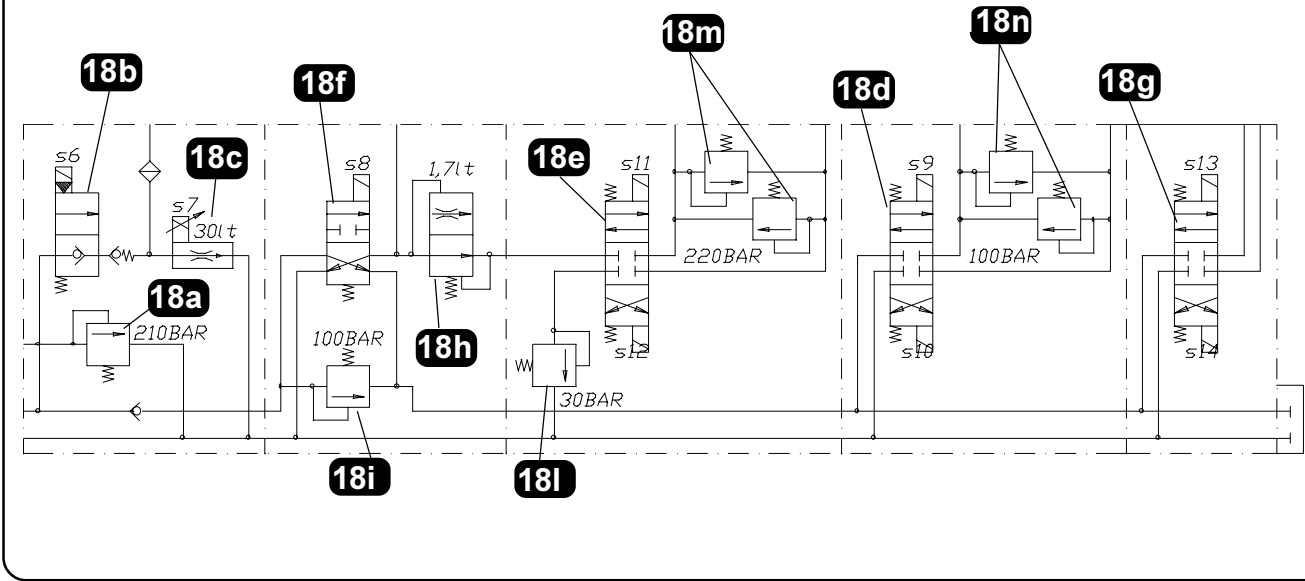
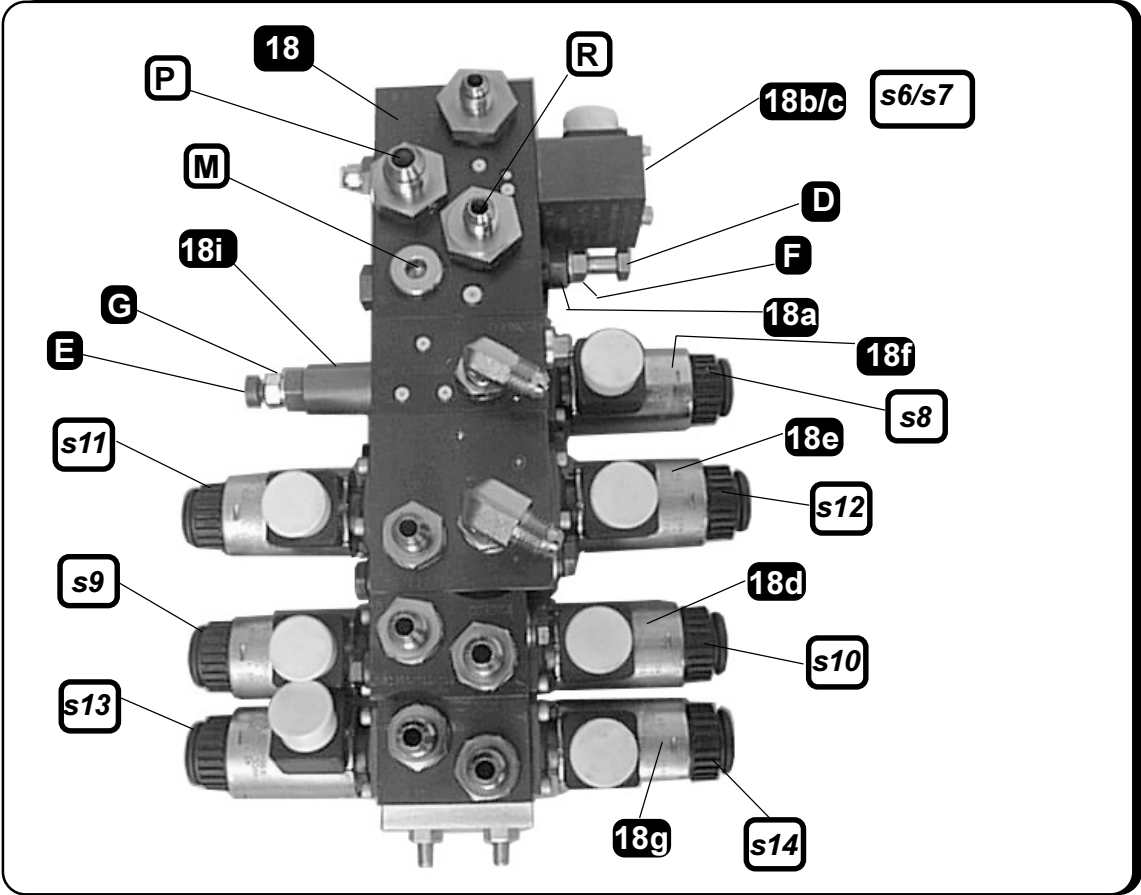


3.1 AUXILIARY MAST/ATTACHMENT VALVE ASSEMBLY



3.1.0 AUXILIARY MAST/ATTACHMENT VALVE COMPONENT TABLE

The Table below describes the components shown in the previous page.

Key:

Ref. to Exploded drwg.

Part reference on exploded drawing

Ref. to Layout

Part reference on hydraulic layout

Component description

Task assigned to part

Dwg. Ref.	Layout Ref.	Part Description
18		Attachment main valve assembly
18a		Attachment pressure relief valve: protects the attachment hydraulic circuit from over pressure
18b	s6	Auxiliary mast lift solenoid: when energized it directs pressure to the auxiliary lift cylinder
18c	s7	Auxiliary mast lower proportional solenoid: when energized it controls the rate of lowering. The rate of lowering is infinitely variable.
18d	s9 - s10	Fork traverse enable solenoids. When coil s9 is energized, the forks are enabled to traverse right. When coil s10 is energized the forks are enabled to traverse left.
18e	s11 - s12	Fork rotate enable solenoids. When coil s11 is energized, the forks are enabled to rotate right. When coil s12 is energized, the forks are enabled to rotate left.
18f	s8	Fork rotate and lock solenoid. When coil s8 is energized oil is directed to unlock the rotator lock when rotate is selected.
18g	s13 - s14	Extending forks solenoids (optional). s13 and s14 control fork extension and retraction. (Note: These same solenoids are included with optional fork tilt and fork positioner.)
18h		Priority flow divider - Directs priority flow to the rotate function when rotate and traverse are selected together.
18i		Traverse/Rotate synchronize valve. Adjusted to provide maximum coordination of rotate and traverse when moved together.
18j		Rotate resistance valve to prevent uncontrolled rotate.
18m		Rotate cross over relief valve to allow oil to cross over from one rotate cylinder to the other minimize mechanical damage if the forks are hit by something.
18n		Traverse cross over relief valve to allow oil to cross over from one side of the traverse motor to the other side to minimize mechanical damage if the forks are hit by something.
D		Relief pressure valve adjusting screw (13 mm wrench)
E		Adjusting screw / lock nut (screwdriver + 13 mm wrench) SYNCRO TRAVERSE / ROTATION
F		Relief pressure valve adjusting screw (13mm wrench)
G		Adjusting screw lock nut (13 mm wrench)
M		Gauge installation position

Table 06