115C
Poclain Excavator

Service Manual

E18-440-29

CASE CONSTRUCTION

MidWestTech | Case 115C Poclain Excavator Service Manual | Publication E18-440-29

Order the manual at mid-west-tech.com >

GENERAL DESCRIPTION ... 3
CHARACTERISTICS ... 4 - 5
UPPERSTRUCTURE – CARRIER FRAME
- Upperstructure ... 6
- Carrier frame ... 7
- Swing gear ... 8

TRACK GROUP
- Tracks - Pads ... 9
- Rollers ... 10
- Sprocket wheel reduction gear ... 11
- Idler wheel ... 12
- Tensioner - Shock absorber ... 12

ENGINE ... 14
- Fuel circuit ... 14

AIR FILTER ... 15
HEAVY DUTY AIR FILTER ... 16

HYDRAULIC CIRCUIT
- Description ... 18 - 20
- Operation ... 22 - 31
- Diagram, low pressure system ... 32 - 34

TANK AND FILTERS ... 36 - 37
HIGH PRESSURE PUMP ... 38 - 39
ENGINE-PUMP COUPLING ... 40
MODULATOR ... 42 - 43

VALVE BANKS AND VALVES – ATTACHMENTS
- Fitted hydraulically-operated valve bank 4S27 ... 44 - 45
- S27 inlet block ... 46 - 48
- Hydraulically-operated S27 control valve ... 49
- Safety valve ... 50
- S27 outlet selector ... 51
- Stick ram forced feed ... 52
- Outlet block ... 53

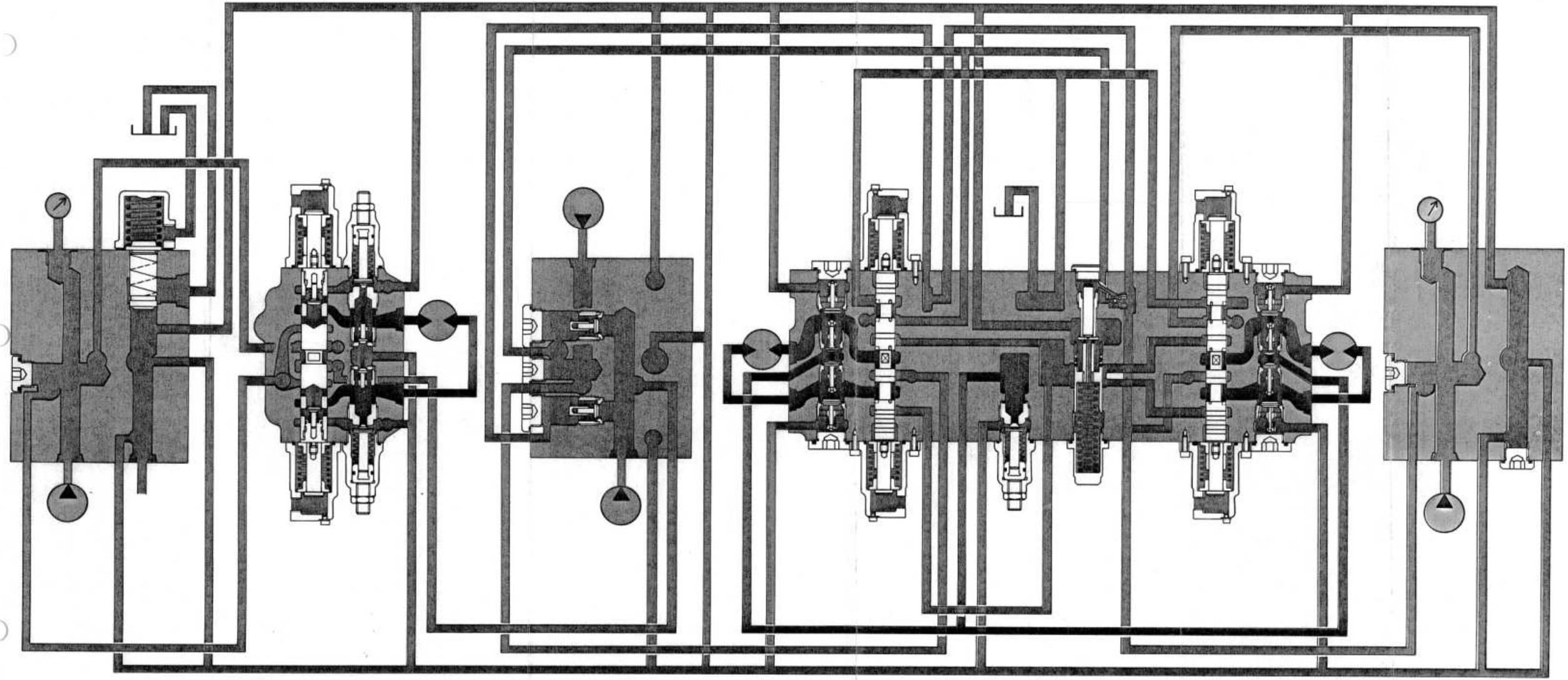
VALVE BANKS AND VALVES – SWING – TRAVEL – OPTIONS
- Fitted valve bank T20. P20 ... 54 - 55
- Fitted T20 valve bank ... 56 - 57
- P20 control valve ... 58 - 59
- Inlet block ... 60
- Counterpressure valve ... 60
- Intermediate block - Inlet block ... 61

ATTACHMENT RAMS ... 62 - 63
HIGH PRESSURE MOTOR ... 64 - 65
TURNING JOINT ... 66
LOW PRESSURE PUMP ... 67
LOW PRESSURE HYDRAULIC MOTOR ... 68
VENTILATED COOLER ... 69
MANUAL HYDRAULIC CONTROL BLOCK ... 70
FOOT-OPERATED CONTROL BLOCK ... 71
LP EMERGENCY PUMP ... 72
LP FLOW SELECTOR ... 73
LP ELECTROVALVE ... 74
COUNTERPRESSURE VALVE ... 75
LOAD HOLDING SAFETY BLOCK ... 76 - 79
PRESSURE-SETTING CHECK ... 80 - 81

ELECTRIC CIRCUIT ... 82 - 85
CONTROL PANEL CABLING ... 86
UPPERSTRUCTURE CONNECTION DIAGRAM ... 87
MOUNTING ATTACHMENTS ... 88 - 89

MidWestTech | Case 115C Poclain Excavator Service Manual | Publication E18-440-29

Order the manual at mid-west-tech.com >



Poclain

Order the manual at mid-west-tech.com >