Magnum MX 215, 245, 275, 305, 335 Series

P.I.N. Z7RZ05000 and after

Tractors

SERVICE MANUAL

87710915

CASE IH AGRICULTURE

MidWestTech | Case Magnum MX 215, 245, 275, 305, 335 Tractor Service Manual | Publication 84315761

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

Hydraulic schematic frame 01 40
Magnum 335 NA
Hydraulic schematic frame 02 42
Magnum 335 NA
Hydraulic schematic frame 03 44
Magnum 335 NA
Hydraulic schematic frame 04 46
Magnum 335 NA
Hydraulic schematic frame 05 48
Magnum 335 NA
Hydraulic schematic frame 06 50
Magnum 335 NA
Hydraulic schematic frame 07 52
Magnum 335 NA
Hydraulic schematic frame 08 54
Magnum 335 NA
Hydraulic schematic frame 01 56
Magnum 215 NA, Magnum 245 NA, Magnum 275 NA, Magnum 305 NA
Hydraulic schematic frame 02 58
Magnum 215 NA, Magnum 245 NA, Magnum 275 NA, Magnum 305 NA
Hydraulic schematic frame 03 60
Magnum 215 NA, Magnum 245 NA, Magnum 275 NA, Magnum 305 NA
Hydraulic schematic frame 04 62
Magnum 215 NA, Magnum 245 NA, Magnum 275 NA, Magnum 305 NA
Hydraulic schematic frame 05 64
Magnum 215 NA, Magnum 245 NA, Magnum 275 NA, Magnum 305 NA
Hydraulic schematic frame 06 66
Magnum 215 NA, Magnum 245 NA, Magnum 275 NA, Magnum 305 NA
Hydraulic schematic frame 07 68
Magnum 215 NA, Magnum 245 NA, Magnum 275 NA, Magnum 305 NA
Hydraulic schematic frame 08 70
Magnum 215 NA, Magnum 245 NA, Magnum 275 NA, Magnum 305 NA
Hydraulic symbol - Schematic components 72
Hydraulic symbol - Pressure control 78
Hydraulic symbol - Directional control 80
Hydraulic symbol - Composite 81
Hydraulic symbol - Flow control 84
Hydraulic symbol - Table of symbols 85
Power beyond
Dynamic description 89
Component identification 91
Hydraulic pump
Dynamic description 92
Tandem gear pump Charge and lubrication - Component identification 98
Motor return
Component identification 99
Pump drive
Exploded view 100
Control valve
Priority/Regulator valve - Dynamic description 101

MidWestTech | Case Magnum MX 215, 245, 275, 305, 335 Tractor Service Manual | Public... Order the manual at mid-west-tech.com >

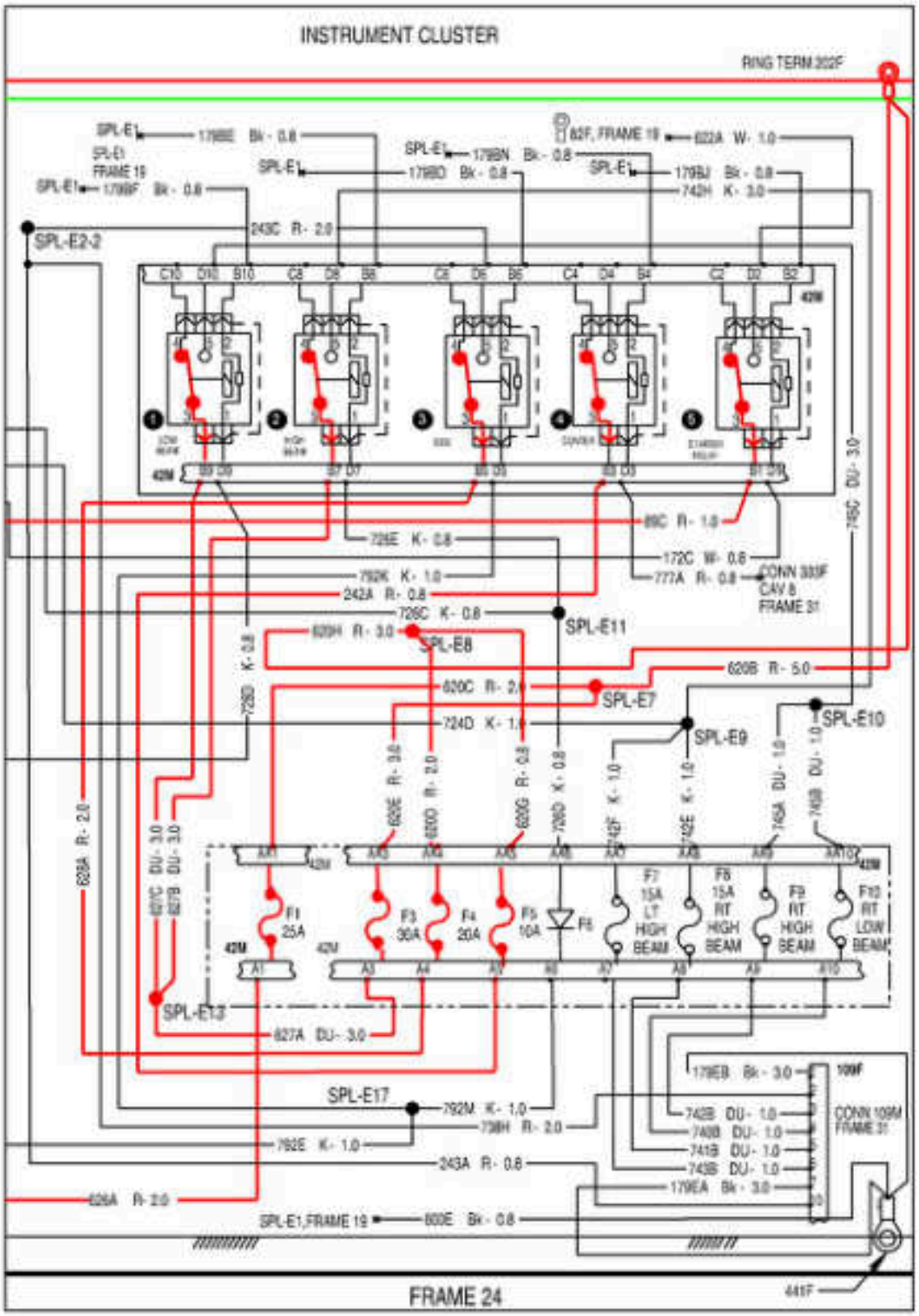
Priority/Regulator valve - Exploded view 106
Magnum 215, Magnum 245, Magnum 275, Magnum 305
Priority/Regulator valve - Sectional view 107
Magnum 215, Magnum 245, Magnum 275, Magnum 305
Priority/Regulator valve - Exploded view 108
Magnum 335
Priority/Regulator valve - Sectional view 109
Magnum 335
Pressure/flow compensating (PFC) pump
Dynamic description 110
Standard - Component identification 113
High flow - Component identification 114
Dual flow - Component identification 115

SERVICE
Power beyond
Flow test 116
Hydraulic pump
Tandem gear pump Regulated pressure - Pressure test 117
Tandem gear pump Regulated pressure - Leakage test 118
Tandem gear pump Regulated pressure - Adjust 121
Tandem gear pump Regulated pressure - Flow test 122
Tandem gear pump Charge and lubrication - Pressure test 124
Tandem gear pump Charge and lubrication - Remove 126
Tandem gear pump Charge and lubrication - Install 129
Pump drive
Remove 132
Disassemble 134
Assemble 138
End play 143
Install 144
Control valve
Flow compensator - Adjust 146
Flow compensator - Inspect 148
Priority/Regulator valve - Remove 149
Priority/Regulator valve - Disassemble 151
Priority/Regulator valve - Assemble 158
Priority/Regulator valve - Install 165
Pressure/flow compensating (PFC) pump
Flow test 167
Pressure test 170
Standard - Flow test 171
High flow - Flow test 173
Dual flow - Flow test 175
Remove - Standard or high flow 177
Install - Standard and high flow 182

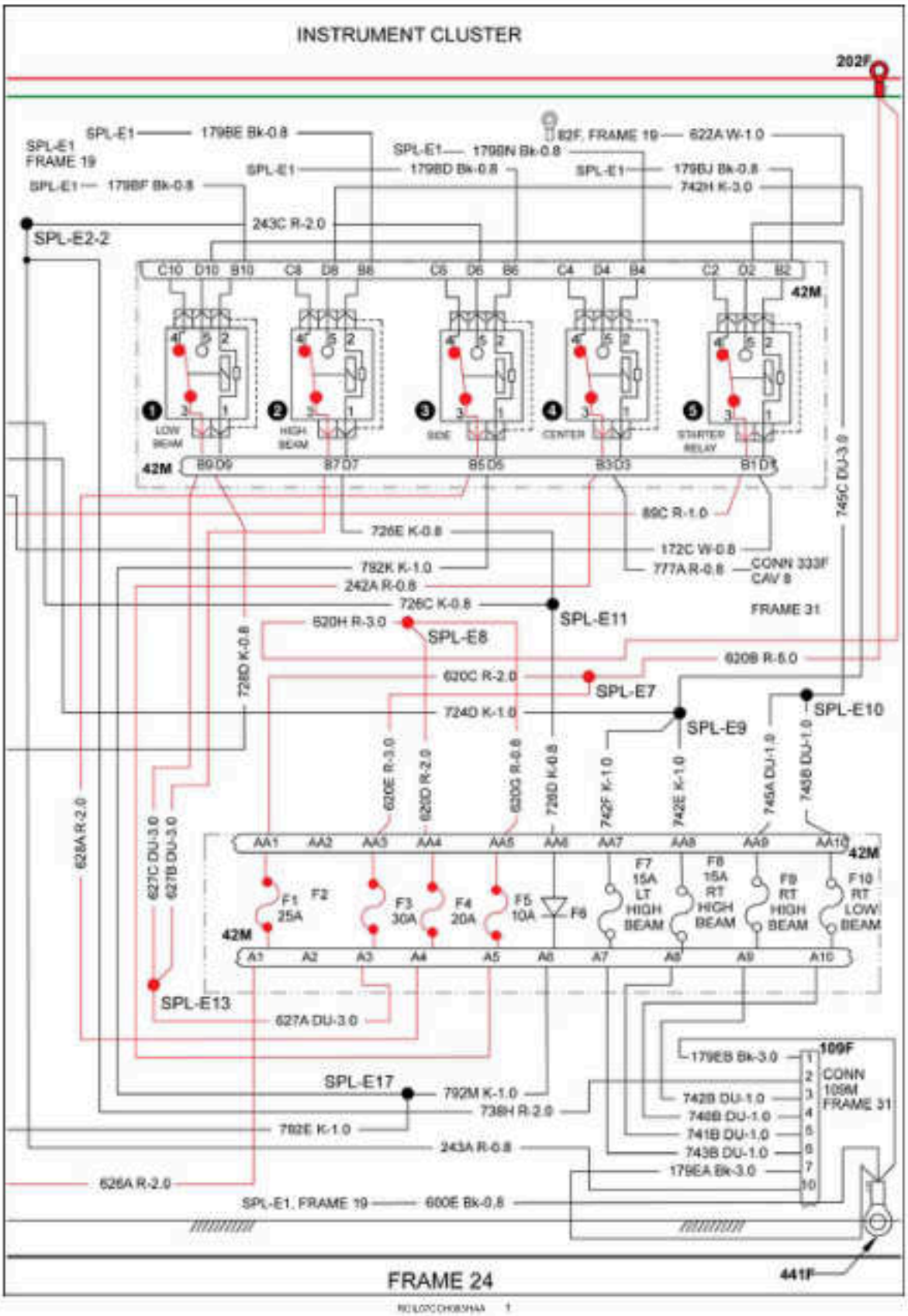
MidWestTech | Case Magnum MX 215, 245, 275, 305, 335 Tractor Service Manual | Public... Order the manual at mid-west-tech.com >

Dual flow - Remove 187
Dual flow - Install 189
Suction screen
Remove 191
Cleaning 195
Install 196

MidWestTech | Case Magnum MX 215, 245, 275, 305, 335 Tractor Service Manual | Public... Order the manual at mid-west-tech.com >



MidWestTech | Case Magnum MX 215, 245, 275, 305, 335 Tractor Service Manual | Public... Order the manual at mid-west-tech.com >



MidWestTech | Case Magnum MX 215, 245, 275, 305, 335 Tractor Service Manual | Public... Order the manual at mid-west-tech.com >

POWER DISTRIBUTION BOX

SECTION 23

INSTRUMENT CLUSTER

SECTION 24

INSTRUMENT CLUSTER

SECTION 25

OPTIONAL FRONT HITCH LAMPS

EGRESS LIGHTING

SECTION 26

SECTION 27

OPTIONAL WORKLAMPS CAB REAR ROOF

OPTIONAL WORKLAMPS CAB BELTLINE

OPTIONAL 360 ° WORKLAMPS

SECTION 28

STANDARD WORKLAMPS CAB FRONT ROOF

SECTION 29

ROOF WARNING LIGHTS (NAO)

SECTION 30

STANDARD HEADLAMPS

STANDARD HEADLAMPS

SECTION 31

WIDE MARKER LIGHT

SINGLE, OR OPT TWIN LAMP FENDER LIGHTS

LEFT FENDER STOP, TAIL, TURN LIGHT

SECTION 32

RIGHT FENDER STOP, TAIL, TURN LIGHT

SINGLE, OR OPT TWIN LAMP FENDER LIGHTS

WIDE MARKER LIGHT

SECTION 33

SECTION 34

FORWARD NEUTRAL REVERSE PARK (PNRP)

HORN

SECTION 35

SECTION 36

TRANSMISSION CONTROL SYSTEM

SECTION 37

TRANSMISSION CONTROL SYSTEM

SECTION 38

TRANSMISSION CONTROL SYSTEM

SECTION 39

TRANSMISSION CONTROL SYSTEM

SECTION 40

PNEUMATIC BRAKE OPTION

SECTION 41

MUA SUSPENSION AXLE CONTROLLER

SECTION 42

ARMREST CONTROLLER (ARU)

RIGHT HAND ARMREST CONTROLLER (ARM)

SECTION 44

ARMREST CONTROLLER (ARU)

RIGHT HAND ARMREST CONTROLLER

SECTION 45

ARMREST CONTROLLER (ARU)

RIGHT HAND ARMREST CONTROLLER (ARM)

SECTION 46

ARMREST CONTROLLER (ARU)

RIGHT HAND ARMREST CONTROLLER (ARM)

SECTION 47

ARMREST CONTROLLER (ARU)

RH ARU

SECTION 48

MAGNUM SERIES TRACTORS
MAGNUM 215, 245, 275, 305, AND 335
P.I.N. Z8RZ06000 AND AFTER
NAO ELECTRICAL SCHEMATIC

RAC 84142368

LEGEND

INDICATES CONSTANT POWER

INDICATES POWER WHEN KEY SWITCH IS ON

TRANSMISSION CONTROL IN PARK
MFD IS OFF

87751480S1S2

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