

Magnum 235
Magnum 260
Magnum 290
Magnum 315
Magnum 340
Magnum 370
Continuously Variable Transmission (CVT)
Tractor

PIN ZCRD02588 and above

SERVICE MANUAL

Part number 47533562

2nd edition English

October 2013



Contents

INTRODUCTION

Engine.....	10
[10.001] Engine and crankcase	10.1
[10.101] Cylinder heads	10.2
[10.114] Pump drives	10.3
[10.202] Air cleaners and lines	10.4
[10.216] Fuel tanks	10.5
[10.310] Aftercooler.....	10.6
[10.400] Engine cooling system	10.7
[10.414] Fan and drive	10.8
[10.500] Selective Catalytic Reduction (SCR) exhaust treatment	10.9
Power coupling.....	19
[19.100] Drive shaft.....	19.1
Transmission.....	21
[21.504] Continuously Variable Transmission (CVT)	21.1
[21.505] Continuously Variable Transmission (CVT) external controls.....	21.2
[21.507] Continuously Variable Transmission (CVT) internal components.....	21.3
[21.506] Continuously Variable Transmission (CVT) lubrication system	21.4
Four-Wheel Drive (4WD) system	23
[23.202] Electro-hydraulic control	23.1
[23.314] Drive shaft.....	23.2
Front axle system	25
[25.100] Powered front axle	25.1
[25.102] Front bevel gear set and differential	25.2
[25.108] Final drive hub, steering knuckles, and shafts	25.3
[25.122] Axle suspension control.....	25.4

Rear axle system.....	27
[27.100] Powered rear axle.....	27.1
[27.106] Rear bevel gear set and differential.....	27.2
[27.120] Planetary and final drives	27.3
Power Take-Off (PTO)	31
[31.104] Rear electro-hydraulic control.....	31.1
[31.110] One-speed rear Power Take-Off (PTO)	31.2
[31.114] Two-speed rear Power Take-Off (PTO)	31.3
[31.146] Front Power Take-Off (PTO)	31.4
Brakes and controls	33
[33.110] Parking brake or parking lock	33.1
[33.202] Hydraulic service brakes	33.2
[33.220] Trailer brake hydraulic control.....	33.3
[33.224] Trailer brake pneumatic control	33.4
Hydraulic systems.....	35
[35.000] Hydraulic systems.....	35.1
[35.102] Pump control valves.....	35.2
[35.106] Variable displacement pump	35.3
[35.114] Three-point hitch control valve	35.4
[35.124] Three-point hitch hydraulic adjustment	35.5
[35.204] Remote control valves	35.6
[35.300] Reservoir, cooler, and filters.....	35.7
[35.304] Combination pump units	35.8
Pneumatic system	36
[36.100] Pneumatic system.....	36.1
Hitches, drawbars, and implement couplings.....	37
[37.110] Rear three-point hitch	37.1
[37.162] Front hitch.....	37.2

Steering.....	41
[41.101] Steering control	41.1
[41.200] Hydraulic control components.....	41.2
[41.206] Pump	41.3
Cab climate control	50
[50.100] Heating	50.1
[50.200] Air conditioning	50.2
[50.300] Cab pressurizing system	50.3
Electrical systems	55
[55.012] Engine cooling system	55.1
[55.015] Engine control system.....	55.2
[55.024] Transmission control system	55.3
[55.045] Front axle control system	55.4
[55.046] Rear axle control system.....	55.5
[55.050] Heating, Ventilation, and Air-Conditioning (HVAC) control system.....	55.6
[55.051] Cab Heating, Ventilation, and Air-Conditioning (HVAC) controls.....	55.7
[55.100] Harnesses and connectors.....	55.8
[55.130] Rear three-point hitch electronic control system	55.9
[55.201] Engine starting system	55.10
[55.301] Alternator.....	55.11
[55.302] Battery.....	55.12
[55.404] External lighting	55.13
[55.405] External lighting switches and relays	55.14
[55.408] Warning indicators, alarms, and instruments	55.15
[55.512] Cab controls.....	55.16
[55.514] Cab lighting	55.17
[55.518] Wiper and washer system.....	55.18

[55.640] Electronic modules	55.19
[55.988] Selective Catalytic Reduction (SCR) electrical system	55.20
[55.DTC] FAULT CODES.....	55.21
Platform, cab, bodywork, and decals	90
[90.100] Engine hood and panels	90.1
[90.102] Engine shields, hood latches, and trims	90.2
[90.118] Protections and footboards.....	90.3
[90.124] Pneumatically-adjusted operator seat.....	90.4
[90.150] Cab.....	90.5
[90.151] Cab interior.....	90.6
[90.160] Cab interior trim and panels.....	90.7

Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com