

SERVICE MANUAL

FR480 Forage Cruiser / FR550 Forage Cruiser / FR650 Forage Cruiser / FR780 Forage Cruiser Tier 4B (final) Forage Harvester

FR480 Forage Cruiser - From PIN 715912001 to 715923100

FR550 Forage Cruiser - From PIN 725912001 to 725923100

FR650 Forage Cruiser - From PIN 735912001 to 735923100

FR780 Forage Cruiser - From PIN 745912001 to 745923100

FR850 Forage Cruiser Tier 2 Forage Harvester

FR850 Forage Cruiser - From PIN 555912001 to 555923100

Part number 48142788

English
April 2017





SERVICE MANUAL

FR480 Forage Cruiser Cursor 13, TIER 4B (FINAL) [715912001 - 715923100]

FR550 Forage Cruiser Cursor 13, TIER 4B [725912001 - 725923100]

FR650 Forage Cruiser Cursor 16, TIER 4B (FINAL) [735912001 - 735923100]

FR780 Forage Cruiser Cursor 16, TIER 4B (FINAL) [745912001 - 745923100]

FR850 Forage Cruiser Vector, TIER2 [555912001 - 555923100]

Link Product / Engine

Product	Market Product	Engine
FR480 Forage Cruiser Cursor 13, TIER 4B (FINAL) [715912001 - 715923100]	North America	F3HFE613H*B007
FR550 Forage Cruiser Cursor 13, TIER 4B [725912001 - 725923100]	North America	F3H FE613F*B007
FR650 Forage Cruiser Cursor 16, TIER 4B (FINAL) [735912001 - 735923100]	North America	F3JFE613A*B005
FR780 Forage Cruiser Cursor 16, TIER 4B (FINAL) [745912001 - 745923100]	North America	F3JFE613B*B006
FR850 Forage Cruiser Vector, TIER2 [555912001 - 555923100]	North America	FVAE2884X*B200

Contents

INTRODUCTION

Engine	10
[10.001] Engine and crankcase	10.1
[10.216] Fuel tanks	10.2
[10.218] Fuel injection system.....	10.3
[10.400] Engine cooling system	10.4
[10.414] Fan and drive	10.5
[10.418] Rotary screen	10.6
[10.304] Engine lubrication system.....	10.7
[10.500] Selective Catalytic Reduction (SCR) exhaust treatment.....	10.8
Main gearbox and drive	14
[14.100] Main gearbox and drive	14.1
Transmission	21
[21.114] Mechanical transmission	21.1
[21.120] Gearbox.....	21.2
[21.130] Mechanical transmission external controls.....	21.3
[21.100] Mechanical transmission lubrication system	21.4
[21.145] Gearbox internal components.....	21.5
[21.182] Differential.....	21.6
Four-Wheel Drive (4WD) system	23
[23.101] Mechanical control	23.1
[23.304] Four-Wheel Drive (4WD) gearbox	23.2
Front axle system	25
[25.100] Powered front axle	25.1
[25.102] Front bevel gear set and differential	25.2
[25.310] Final drives	25.3

Rear axle system	27
[27.450] Rear-powered steerable axle	27.1
[27.550] Non-powered rear axle.....	27.2
Hydrostatic drive	29
[29.218] Pump and motor components.....	29.1
[29.202] Hydrostatic transmission	29.2
Brakes and controls	33
[33.202] Hydraulic service brakes	33.1
[33.110] Parking brake or parking lock	33.2
Hydraulic systems	35
[35.000] Hydraulic systems.....	35.1
[35.529] Spout.....	35.2
[35.102] Pump control valves.....	35.3
[35.106] Variable displacement pump	35.4
[35.204] Remote control valves	35.5
[35.300] Reservoir, cooler, and filters.....	35.6
[35.359] Main control valve.....	35.7
[35.350] Safety and main relief valves	35.8
[35.600] High flow hydraulics.....	35.9
[35.410] Header or attachment height system	35.10
[35.602] Header or attachment leveling system	35.11
[35.514] Upper feed roll gearbox system.....	35.12
[35.516] Sharpening system.....	35.13
[35.530] Spout rotation circuit	35.14
[35.532] Spout raising system	35.15
[35.534] Spout deflector system.....	35.16
[35.860] Main gearbox lubrication	35.17
Steering	41

[41.101] Steering control	41.1
[41.206] Pump	41.2
[41.216] Cylinders	41.3
[41.432] Autoguidance steering	41.4
Wheels	44
[44.511] Front wheels	44.1
[44.520] Rear wheels	44.2
Cab climate control	50
[50.100] Heating	50.1
[50.200] Air conditioning	50.2
Electrical systems	55
[55.000] Electrical system	55.1
[55.100] Harnesses and connectors	55.2
[55.015] Engine control system	55.3
[55.010] Fuel injection system	55.4
[55.014] Engine intake and exhaust system	55.5
[55.988] Selective Catalytic Reduction (SCR) electrical system	55.6
[55.012] Engine cooling system	55.7
[55.013] Engine oil system	55.8
[55.301] Alternator	55.9
[55.426] Harvest material flow control system	55.10
[55.512] Cab controls	55.11
[55.640] Electronic modules	55.12
[55.610] Ground speed control	55.13
[55.019] Hydrostatic drive control system	55.14
[55.051] Cab Heating, Ventilation, and Air-Conditioning (HVAC) controls	55.15
[55.050] Heating, Ventilation, and Air-Conditioning (HVAC) control system	55.16
[55.421] Feeding control system	55.17

[55.820] Chopping and cutting control systems	55.18
[55.830] Rotary screen drive and cleaning	55.19
[55.680] Autopilot/Autoguidance	55.20
[55.450] Ejecting control system	55.21
[55.408] Warning indicators, alarms, and instruments	55.22
[55.637] Silage additives system control	55.23
[55.DTC] FAULT CODES	55.24
Attachments/Headers	58
[58.130] Attachment/Header frame	58.1
[58.900] Belt feeding	58.2
Product feeding	60
[60.101] Feed roll	60.1
[60.122] Length-of-cut gearbox	60.2
[60.103] Lower feed rolls	60.3
[60.107] Upper feed rolls	60.4
Chemical applicators	63
[63.115] Silage additives system	63.1
Chopping	64
[64.100] Cutterhead	64.1
[64.106] Drum	64.2
[64.130] Drum gearbox	64.3
[64.140] Sharpening system	64.4
[64.150] Shearbar	64.5
[64.160] Crop processor	64.6
[64.170] Transition channel/concave and lever	64.7
Ejection	70
[70.120] Blower	70.1
[70.140] Spout	70.2

Lubrication system.....	71
[71.460] Grease lubrication system	71.1
Platform, cab, bodywork, and decals.....	90
[90.105] Machine shields and guards	90.1
[90.150] Cab.....	90.2
[90.151] Cab interior.....	90.3

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