

SERVICE MANUAL

T8.320 / T8.350 / T8.380 / T8.410 / T8.380 SmartTrax™ / T8.410 SmartTrax™ Powershift Transmission (PST) Tractor

PIN ZHRE04001 and above

Part number 51431513

1st edition English
February 2018





SERVICE MANUAL

T8.320 PST TIER 4B [ZHRE04001 -], T8.350 PST TIER 4B [ZHRE04001 -], T8.380 PST TIER 4B [ZHRE04001 -], T8.380 SmartTrax™ PST TIER 4B [ZHRE04001 -], T8.410 PST TIER 4B [ZHRE04001 -], T8.410 SmartTrax™ PST TIER 4B [ZHRE04001 -]

Link Product / Engine

Product	Market Product	Engine
T8.320 PST TIER 4B [ZHRE04001 -]	North America	F2CFE613G*B002
T8.350 PST TIER 4B [ZHRE04001 -]	North America	F2CFE614G*B003
T8.380 PST TIER 4B [ZHRE04001 -]	North America	F2CFE614D*B002
T8.410 PST TIER 4B [ZHRE04001 -]	North America	F2CFE614C*B002
T8.380 SmartTrax™ PST TIER 4B [ZHRE04001 -]	North America	F2CFE614D*B002
T8.410 SmartTrax™ PST TIER 4B [ZHRE04001 -]	North America	F2CFE614C*B002

Contents

INTRODUCTION

Engine	10
[10.001] Engine and crankcase	10.1
[10.101] Cylinder heads	10.2
[10.202] Air cleaners and lines	10.3
[10.206] Fuel filters	10.4
[10.216] Fuel tanks	10.5
[10.218] Fuel injection system.....	10.6
[10.304] Engine lubrication system.....	10.7
[10.310] Aftercooler.....	10.8
[10.400] Engine cooling system	10.9
[10.414] Fan and drive	10.10
[10.500] Selective Catalytic Reduction (SCR) exhaust treatment.....	10.11
Power coupling	19
[19.100] Drive shaft.....	19.1
[19.110] Flywheel damper	19.2
[19.120] Drive shaft shield assembly	19.3
Transmission	21
[21.105] Powershift transmission hydraulic components	21.1
[21.113] Powershift transmission	21.2
[21.135] Powershift transmission external controls.....	21.3
[21.155] Powershift transmission internal components.....	21.4
[21.200] Dropbox	21.5
[21.900] Hydraulic pump drive.....	21.6
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
[27.610] Rear axle track yoke assembly	27.4
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
Hitches, drawbars, and implement couplings.....	37
[37.110] Rear three-point hitch	37.1
[37.120] Rear three-point hitch linkage.....	37.2
[37.162] Front hitch.....	37.3
Frames and ballasting	39
[39.100] Frame	39.1
Steering.....	41
[41.101] Steering control	41.1
[41.200] Hydraulic control components.....	41.2
[41.206] Pump.....	41.3
[41.432] Autoguidance steering	41.4
Wheels.....	44
[44.520] Rear wheels.....	44.1
Tracks and track suspension.....	48
[48.100] Tracks	48.1
[48.130] Track frame and driving wheels.....	48.2
[48.134] Track tension units	48.3
[48.138] Track rollers	48.4
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
[55.000] Electrical system	55.1
[55.010] Fuel injection system.....	55.2

[55.012] Engine cooling system	55.3
[55.013] Engine oil system	55.4
[55.014] Engine intake and exhaust system.....	55.5
[55.015] Engine control system.....	55.6
[55.024] Transmission control system	55.7
[55.032] Trailer brake electrical system	55.8
[55.045] Front axle control system	55.9
[55.046] Rear axle control system.....	55.10
[55.047] Steering control system	55.11
[55.050] Heating, Ventilation, and Air-Conditioning (HVAC) control system.....	55.12
[55.051] Cab Heating, Ventilation, and Air-Conditioning (HVAC) controls.....	55.13
[55.100] Harnesses and connectors.....	55.14
[55.130] Rear three-point hitch electronic control system	55.15
[55.201] Engine starting system	55.16
[55.301] Alternator.....	55.17
[55.302] Battery.....	55.18
[55.408] Warning indicators, alarms, and instruments	55.19
[55.510] Cab or platform harnesses and connectors.....	55.20
[55.512] Cab controls.....	55.21
[55.513] Cab transmission controls.....	55.22
[55.518] Wiper and washer system.....	55.23
[55.640] Electronic modules.....	55.24
[55.988] Selective Catalytic Reduction (SCR) electrical system	55.25
[55.DTC] FAULT CODES.....	55.26

Platform, cab, bodywork, and decals

[90.100] Engine hood and panels	90.1
[90.102] Engine shields, hood latches, and trims	90.2
[90.124] Pneumatically-adjusted operator seat.....	90.3
[90.150] Cab.....	90.4

[90.151] Cab interior	90.5
[90.160] Cab interior trim and panels	90.6
Electrical Schematic	
Hydraulic Schematic	

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