

SERVICE MANUAL

T7.220 / T7.235 / T7.250 / T7.260 / T7.270

Auto Command™ Tractor

T7.220 / T7.235 / T7.250 / T7.260

Power Command™ Tractor

Part number 47524342

English

June 2013

Replaces part number 84476222A



Link Product / Engine

Product	Market Product	Engine
T7.220 Power Command	North America	F4DFE613L*A
T7.235 Power Command	North America	F4DFE613K*A
T7.250 Power Command	North America	F4DFE613J*A
T7.260 Power Command	North America	F4DFE613H*A
T7.235 AutoCommand	North America	F4DFE613K*A
T7.250 AutoCommand	North America	F4DFE613J*A
T7.260 AutoCommand	North America	F4DFE613H*A
T7.270 AutoCommand	North America	F4DFE613G*A

Contents

INTRODUCTION

Engine.....	10
[10.001] Engine and crankcase	10.1
[10.102] Pan and covers	10.2
[10.216] Fuel tanks	10.3
[10.210] Lift pump and lines	10.4
[10.218] Fuel injection system.....	10.5
[10.250] Turbocharger and lines.....	10.6
[10.254] Intake and exhaust manifolds and muffler	10.7
[10.500] Selective Catalytic Reduction (SCR) exhaust treatment.....	10.8
[10.400] Engine cooling system	10.9
[10.414] Fan and drive	10.10
[10.408] Oil cooler and lines.....	10.11
Transmission.....	21
[21.113] Powershift transmission	21.1
[21.155] Powershift transmission internal components.....	21.2
[21.160] Creeper	21.3
[21.166] Overdrive.....	21.4
[21.504] Continuously Variable Transmission (CVT)	21.5
[21.505] Continuously Variable Transmission (CVT) external controls.....	21.6
[21.506] Continuously Variable Transmission (CVT) lubrication system	21.7
[21.507] Continuously Variable Transmission (CVT) internal components	21.8
[21.109] Transmission cooler and lines.....	21.9
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
[31.101] Rear mechanical control	31.1
[31.104] Rear electro-hydraulic control	31.2
[31.114] Two-speed rear Power Take-Off (PTO)	31.3
[31.116] Three-speed rear Power Take-Off (PTO)	31.4
[31.119] Four-speed rear Power Take-Off (PTO)	31.5
[31.146] Front Power Take-Off (PTO)	31.6
Brakes and controls	33
[33.202] Hydraulic service brakes	33.1
[33.110] Parking brake or parking lock	33.2
[33.220] Trailer brake hydraulic control	33.3
[33.224] Trailer brake pneumatic control	33.4
[33.350] Anti-lock Brake System (ABS)	33.5
Hydraulic systems	35
[35.000] Hydraulic systems	35.1
[35.300] Reservoir, cooler, and filters	35.2
[35.106] Variable displacement pump	35.3
[35.102] Pump control valves	35.4
[35.105] Charge pump	35.5
[35.322] Regulated/Low pressure system	35.6

[35.204] Remote control valves	35.7
[35.220] Auxiliary hydraulic pump and lines	35.8
[35.114] Three-point hitch control valve	35.9
[35.160] Front hitch controls and lines	35.10
[35.162] Front hitch cylinders and lines	35.11
Pneumatic system	36
[36.100] Pneumatic system.....	36.1
Hitches, drawbars, and implement couplings.....	37
[37.120] Rear three-point hitch linkage.....	37.1
[37.162] Front hitch.....	37.2
[37.110] Rear three-point hitch	37.3
[37.106] Automatic pickup hitch	37.4
Frames and ballasting	39
[39.100] Frame	39.1
Steering.....	41
[41.101] Steering control	41.1
[41.106] Tie rods.....	41.2
[41.200] Hydraulic control components.....	41.3
[41.216] Cylinders	41.4
[41.432] Autoguidance steering	41.5
Wheels.....	44
[44.511] Front wheels.....	44.1
[44.520] Rear wheels.....	44.2
Cab climate control	50
[50.100] Heating	50.1
[50.104] Ventilation	50.2
[50.200] Air conditioning.....	50.3
Electrical systems	55

It's a preview. You can download the full file by clicking the link below.

<https://shopservicemanual.com/>

Service Manuals from 2\$