

SERVICE MANUAL

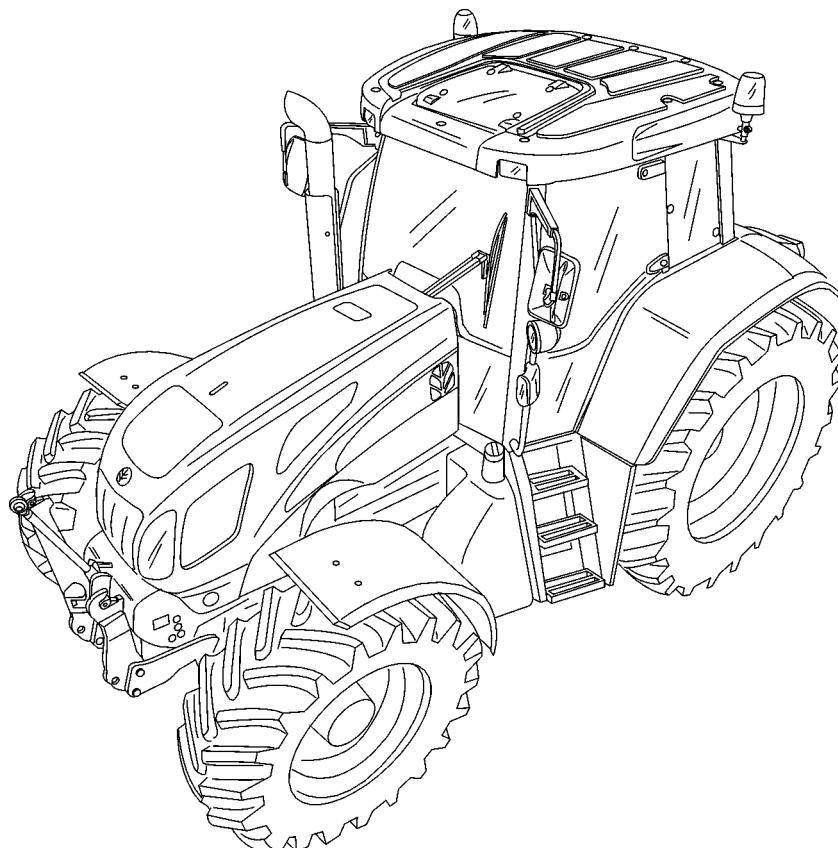
**T7510 / T7520 / T7530
T7540 / T7550
Tractor**

Part number 47505533
English
February 2013





SERVICE MANUAL



**T7510
T7520
T7530
T7540
T7550**

Contents

INTRODUCTION

Engine.....	10
[10.001] Engine and crankcase	10.1
[10.106] Valve drive and gears	10.2
[10.101] Cylinder heads	10.3
[10.105] Connecting rods and pistons.....	10.4
[10.103] Crankshaft and flywheel.....	10.5
[10.218] Fuel injection system.....	10.6
[10.250] Turbocharger and lines.....	10.7
[10.254] Intake and exhaust manifolds and muffler	10.8
[10.400] Engine cooling system	10.9
[10.414] Fan and drive	10.10
[10.304] Engine lubrication system.....	10.11
Transmission.....	21
[21.504] Continuously Variable Transmission (CVT)	21.1
[21.505] Continuously Variable Transmission (CVT) external controls.....	21.2
[21.506] Continuously Variable Transmission (CVT) lubrication system	21.3
[21.507] Continuously Variable Transmission (CVT) internal components.....	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
[31.119] Four-speed rear Power Take-Off (PTO).....	31.2
[31.142] Front Power Take-Off (PTO) control	31.3
[31.146] Front Power Take-Off (PTO)	31.4
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
[33.204] Front axle brake	33.4
[33.200] Brake cooling.....	33.5
Hydraulic systems.....	35
[35.000] Hydraulic systems.....	35.1
[35.106] Variable displacement pump	35.2
[35.359] Main control valve	35.3
[35.204] Remote control valves	35.4
[35.114] Three-point hitch control valve	35.5
[35.116] Three-point hitch cylinder	35.6
Steering.....	41
[41.200] Hydraulic control components.....	41.1
[41.216] Cylinders	41.2
[41.432] Autoguidance steering	41.3
Cab climate control	50
[50.104] Ventilation	50.1

[50.200] Air conditioning	50.2
Electrical systems	55
[55.000] Electrical system	55.1
[55.100] Harnesses and connectors.....	55.2
[55.525] Cab engine controls	55.3
[55.015] Engine control system.....	55.4
[55.301] Alternator.....	55.5
[55.302] Battery.....	55.6
[55.202] Cold start aid	55.7
[55.011] Fuel tank system	55.8
[55.010] Fuel injection system.....	55.9
[55.014] Engine intake and exhaust system.....	55.10
[55.012] Engine cooling system	55.11
[55.013] Engine oil system	55.12
[55.640] Electronic modules	55.13
[55.513] Cab transmission controls.....	55.14
[55.024] Transmission control system.....	55.15
[55.020] Transmission speed sensors.....	55.16
[55.021] Transmission pressure sensors	55.17
[55.022] Transmission temperature sensors	55.18
[55.023] Transmission position sensors	55.19
[55.045] Front axle control system	55.20
[55.048] Rear Power Take-Off (PTO) control system	55.21
[55.049] Front Power Take-Off (PTO) control system	55.22
[55.051] Cab Heating, Ventilation, and Air-Conditioning (HVAC) controls.....	55.23
[55.050] Heating, Ventilation, and Air-Conditioning (HVAC) control system.....	55.24
[55.519] Cab brake controls	55.25
[55.030] Service brake electrical system	55.26
[55.032] Trailer brake electrical system	55.27

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

<https://shopservicemanual.com/>

Service Manuals from 2\$