

PUMA® 150
PUMA® 165
PUMA® 150 CVT
PUMA® 165 CVT
Tier 4B (final)
Tractor

SERVICE MANUAL

Part number 47936459

1st edition English

January 2016





SERVICE MANUAL

**PUMA® 150 CVT
PUMA® 150
PUMA® 165 CVT
PUMA® 165**

Link Product / Engine

Product	Market Product	Engine
PUMA® 150 CVT	North America	F4DFE613N*B006
PUMA® 165 CVT	North America	F4DFE613M*B003
PUMA® 150	North America	F4DFE613N*B006
PUMA® 165	North America	F4DFE613M*B003

Contents

INTRODUCTION

Engine	10
[10.001] Engine and crankcase	10.1
[10.101] Cylinder heads	10.2
[10.216] Fuel tanks	10.3
[10.210] Lift pump and lines	10.4
[10.218] Fuel injection system.....	10.5
[10.202] Air cleaners and lines	10.6
[10.250] Turbocharger and lines.....	10.7
[10.254] Intake and exhaust manifolds and muffler	10.8
[10.500] Selective Catalytic Reduction (SCR) exhaust treatment.....	10.9
[10.400] Engine cooling system	10.10
[10.414] Fan and drive	10.11
[10.408] Oil cooler and lines.....	10.12
Clutch	18
[18.112] Slip clutch or flywheel damper	18.1
Transmission	21
[21.111] Semi-Powershift transmission	21.1
[21.133] Semi-Powershift transmission external controls	21.2
[21.103] Semi-Powershift transmission lubrication system.....	21.3
[21.152] Semi-Powershift transmission internal components	21.4
[21.113] Powershift transmission	21.5
[21.504] Continuously Variable Transmission (CVT)	21.6
[21.505] Continuously Variable Transmission (CVT) external controls.....	21.7
[21.506] Continuously Variable Transmission (CVT) lubrication system	21.8
[21.507] Continuously Variable Transmission (CVT) internal components	21.9
[21.160] Creeper	21.10

[21.166] Overdrive	21.11
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
[27.126] Spur gear and final drives.....	27.4
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
[31.146] Front Power Take-Off (PTO).....	31.5
Brakes and controls	33
[33.202] Hydraulic service brakes	33.1
[33.300] Pneumatic service brakes.....	33.2
[33.110] Parking brake or parking lock	33.3
[33.220] Trailer brake hydraulic control.....	33.4
[33.224] Trailer brake pneumatic control	33.5
Hydraulic systems.....	35

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

<https://shopservicemanual.com/>

Service Manuals from 2\$