

SERVICE MANUAL

Boomer™ 40D CVT

Boomer™ 45D CVT

Boomer™ 50D CVT

Tier 3

Compact Tractor

Part number 47975091

1st edition English

July 2016





SERVICE MANUAL

Boomer™ 40D CVT

Boomer™ 45D CVT

Boomer™ 50D CVT

Link Product / Engine

Product	Market Product	Engine
Boomer™ 40D CVT 40HP, TIER 3, CVT, compact tractor, built in Mexico for the Canadian market	North America	N844
Boomer™ 45D CVT 45HP, TIER 3, CVT, compact tractor, built in Mexico for the Canadian market	North America	N844L
Boomer™ 50D CVT 50HP, TIER 3, CVT, compact tractor, built in Mexico for the Canadian market	North America	N844L

Contents

INTRODUCTION

Engine	10
[10.001] Engine and crankcase	10.1
[10.101] Cylinder heads	10.2
[10.102] Pan and covers	10.3
[10.103] Crankshaft and flywheel.....	10.4
[10.105] Connecting rods and pistons.....	10.5
[10.106] Valve drive and gears	10.6
[10.110] Balancer and damper	10.7
[10.114] Pump drives	10.8
[10.218] Fuel injection system.....	10.9
[10.254] Intake and exhaust manifolds and muffler	10.10
[10.304] Engine lubrication system.....	10.11
[10.400] Engine cooling system	10.12
[10.414] Fan and drive	10.13
Transmission	21
[21.504] Continuously Variable Transmission (CVT)	21.1
Four-Wheel Drive (4WD) system	23
[23.101] Mechanical control	23.1
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
[27.100] Powered rear axle.....	27.1
[27.106] Rear bevel gear set and differential	27.2

Power Take-Off (PTO)	31
[31.104] Rear electro-hydraulic control	31.1
[31.110] One-speed rear Power Take-Off (PTO)	31.2
[31.120] Central Power Take-Off (PTO)	31.3
Brakes and controls	33
[33.110] Parking brake or parking lock	33.1
[33.120] Mechanical service brakes	33.2
Hydraulic systems	35
[35.000] Hydraulic systems	35.1
[35.104] Fixed displacement pump	35.2
[35.204] Remote control valves	35.3
[35.300] Reservoir, cooler, and filters.....	35.4
Steering	41
[41.200] Hydraulic control components.....	41.1
[41.206] Pump	41.2
[41.216] Cylinders	41.3
Cab climate control	50
[50.100] Heating	50.1
[50.104] Ventilation	50.2
[50.200] Air conditioning	50.3
Electrical systems	55
[55.000] Electrical system	55.1
[55.010] Fuel injection system	55.2
[55.024] Transmission control system	55.3
[55.100] Harnesses and connectors	55.4
[55.201] Engine starting system	55.5
[55.301] Alternator	55.6
[55.302] Battery.....	55.7

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

<https://shopservicemanual.com/>

Service Manuals from 2\$