

# SERVICE MANUAL

## **Boomer™ 40 ROPS / Boomer™ 50 ROPS** **Compact Tractor**

*Boomer™ 40 - From PIN 0 to 2103012735; From PIN 2103012736 to 2106014859; PIN 2106014860 and above;  
Boomer™ 50 - From PIN 0 to 2105012137; From PIN 2105012138 to 2105013791; PIN 2105013792 and above*

Part number 47917001

1<sup>st</sup> edition English  
December 2016





## **SERVICE MANUAL**

**Boomer™ 40 [0 - 2103012735] , Boomer™ 40 [2103012736 - 2106014859] ,  
Boomer™ 40 [2106014860 - ] , Boomer™ 50 [0 - 2105012137] , Boomer™ 50  
[2105012138 - 2105013791], Boomer™ 50 [2105013792 - ]**

## Link Product / Engine

---

<b>Product</b>	<b>Market Product</b>	<b>Engine</b>
Boomer™ 40 [0 - 2103012735]	Europe	S4Q2
Boomer™ 40 [2103012736 - 2106014859]	Europe	S4Q2
Boomer™ 40 [2106014860 - ]	Europe	S4Q2
Boomer™ 50 [0 - 2105012137]	Europe	S4Q2
Boomer™ 50 [2105012138 - 2105013791]	Europe	S4Q2
Boomer™ 50 [2105013792 - ]	Europe	S4Q2

# Contents

---

## INTRODUCTION

<b>Engine</b> .....	<b>10</b>
[10.001] Engine and crankcase .....	10.1
[10.202] Air cleaners and lines .....	10.2
[10.206] Fuel filters .....	10.3
[10.218] Fuel injection system.....	10.4
[10.304] Engine lubrication system.....	10.5
[10.400] Engine cooling system .....	10.6
<b>Clutch</b> .....	<b>18</b>
[18.100] Clutch mechanical release control .....	18.1
[18.110] Clutch and components .....	18.2
[18.112] Slip clutch or flywheel damper .....	18.3
<b>Transmission</b> .....	<b>21</b>
[21.114] Mechanical transmission .....	21.1
[21.140] Mechanical transmission internal components.....	21.2
<b>Front axle system</b> .....	<b>25</b>
[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
[25.310] Final drives .....	25.4
<b>Rear axle system</b> .....	<b>27</b>
[27.106] Rear bevel gear set and differential .....	27.1
[27.120] Planetary and final drives .....	27.2
<b>Hydrostatic drive</b> .....	<b>29</b>
[29.100] Transmission and steering hydrostatic control .....	29.1
[29.202] Hydrostatic transmission .....	29.2

[29.218] Pump and motor components.....	29.3
<b>Power Take-Off (PTO).....</b>	<b>31</b>
[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
[31.120] Central Power Take-Off (PTO).....	31.4
<b>Brakes and controls .....</b>	<b>33</b>
[33.110] Parking brake or parking lock .....	33.1
[33.120] Mechanical service brakes .....	33.2
<b>Hydraulic systems.....</b>	<b>35</b>
[35.000] Hydraulic systems.....	35.1
[35.104] Fixed displacement pump .....	35.2
[35.114] Three-point hitch control valve .....	35.3
[35.116] Three-point hitch cylinder .....	35.4
[35.204] Remote control valves .....	35.5
[35.300] Reservoir, cooler, and filters.....	35.6
[35.350] Safety and main relief valves .....	35.7
[35.355] Hydraulic hand control .....	35.8
<b>Hitches, drawbars, and implement couplings.....</b>	<b>37</b>
[37.100] Drawbars and towing hitches .....	37.1
[37.108] Rear three-point hitch external controls.....	37.2
[37.110] Rear three-point hitch .....	37.3
<b>Steering.....</b>	<b>41</b>
[41.101] Steering control .....	41.1
[41.106] Tie rods.....	41.2
[41.200] Hydraulic control components.....	41.3
[41.216] Cylinders .....	41.4

<b>Wheels</b> .....	<b>44</b>
[44.511] Front wheels .....	44.1
[44.520] Rear wheels .....	44.2
<b>Electrical systems</b> .....	<b>55</b>
[55.000] Electrical system .....	55.1
[55.010] Fuel injection system .....	55.2
[55.011] Fuel tank system .....	55.3
[55.012] Engine cooling system .....	55.4
[55.013] Engine oil system .....	55.5
[55.031] Parking brake electrical system .....	55.6
[55.048] Rear Power Take-Off (PTO) control system .....	55.7
[55.100] Harnesses and connectors .....	55.8
[55.201] Engine starting system .....	55.9
[55.202] Cold start aid .....	55.10
[55.302] Battery .....	55.11
[55.404] External lighting .....	55.12
[55.405] External lighting switches and relays .....	55.13
[55.408] Warning indicators, alarms, and instruments .....	55.14
[55.525] Cab engine controls .....	55.15
[55.610] Ground speed control .....	55.16
[55.640] Electronic modules .....	55.17
<b>Platform, cab, bodywork, and decals</b> .....	<b>90</b>
[90.100] Engine hood and panels .....	90.1
[90.110] Operator platform less cab .....	90.2
[90.114] Operator protections .....	90.3
[90.116] Fenders and guards .....	90.4
[90.120] Mechanically-adjusted operator seat .....	90.5

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](mailto:ebooklibonline@outlook.com)