

# SERVICE MANUAL

**T3.50F / T3.55F / T3.65F / T3.75F**  
Tractor

Part number 47977155  
English  
February 2016





# **SERVICE MANUAL**

**T3.50F**

**T3.55F**

**T3.65F**

**T3.75F**

# Contents

---

## INTRODUCTION

|   |           |
|---|-----------|
| <b>Engine</b> .....   | <b>10</b> |
| [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      |
| [10.400] Engine cooling system .....                          | 10.7      |
| [10.414] Fan and drive .....                                  | 10.8      |
| [10.304] Engine lubrication system.....                       | 10.9      |
| <b>Clutch</b> .....   | <b>18</b> |
| [18.110] Clutch and components .....                          | 18.1      |
| <b>Transmission</b> .....                                     | <b>21</b> |
| [21.114] Mechanical transmission .....                        | 21.1      |
| [21.112] Power shuttle transmission.....                      | 21.2      |
| [21.160] Creeper .....  | 21.3      |
| [21.120] Gearbox .....  | 21.4      |
| <b>Four-Wheel Drive (4WD) system</b> .....                    | <b>23</b> |
| [23.101] Mechanical control .....                             | 23.1      |
| [23.202] Electro-hydraulic control .....                      | 23.2      |
| [23.314] Drive shaft.....                                     | 23.3      |
| <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      |

|  |           |
|--|-----------|
| <b>Rear axle system</b> .....                      | <b>27</b> |
| [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      |
| <b>Hydrostatic drive</b> .....                     | <b>29</b> |
| [29.300] Rear hydrostatic transmission.....        | 29.1      |
| <b>Power Take-Off (PTO)</b> .....                  | <b>31</b> |
| [31.101] Rear mechanical control.....              | 31.1      |
| [31.225] Clutches.....                             | 31.2      |
| <b>Brakes and controls</b> .....                   | <b>33</b> |
| [33.202] Hydraulic service brakes.....             | 33.1      |
| [33.110] Parking brake or parking lock.....        | 33.2      |
| [33.220] Trailer brake hydraulic control.....      | 33.3      |
| <b>Hydraulic systems</b> .....                     | <b>35</b> |
| [35.525] Auxiliary hydraulic valves and lines..... | 35.1      |
| [35.162] Front hitch cylinders and lines.....      | 35.2      |
| [35.100] Main lift system.....                     | 35.3      |
| <b>Steering</b> .....                              | <b>41</b> |
| [41.101] Steering control.....                     | 41.1      |
| [41.216] Cylinders.....                            | 41.2      |
| <b>Wheels</b> .....                                | <b>44</b> |
| [44.511] Front wheels.....                         | 44.1      |
| <b>Electrical systems</b> .....                    | <b>55</b> |
| [55.000] Electrical system.....                    | 55.1      |
| [55.100] Harnesses and connectors.....             | 55.2      |
| [55.201] Engine starting system.....               | 55.3      |
| [55.301] Alternator.....                           | 55.4      |
| [55.302] Battery.....                              | 55.5      |

|  |           |
|--|-----------|
| [55.013] Engine oil system .....                 | 55.6      |
| [55.024] Transmission control system .....       | 55.7      |
| [55.512] Cab controls.....                       | 55.8      |
| <b>Platform, cab, bodywork, and decals .....</b> | <b>90</b> |
| [90.110] Operator platform less cab .....        | 90.1      |

**Thank you very much  
for your reading.**

**Please click here to buy  
After you pay.**

**Then, you can  
download the complete  
manual instantly.  
No waiting.**