

# SERVICE MANUAL

T4.80V / T4.90V / T4.100V / T4.110V

Tier 4A (interim)

Tractor

*PIN HLRT410VLHLT07235 and above*

**Part number 51526023**

1<sup>st</sup> edition English  
November 2018





## **SERVICE MANUAL**

**T4.100V With cab [HLRT410VLHLT07235 - ], T4.100V Without cab [HLRT410VPHLT09817 - ], T4.110V With cab [HLRT411VKHLT03788 - ], T4.110V Without cab [HLRT411VJHLT08703 - ], T4.80V With cab [HLRT480VEHLT07196 - ], T4.80V Without cab [HLRT480VEHLT07926 - ], T4.90V With cab [HLRT490VAHLT07992 - ], T4.90V Without cab [HLRT490VKHLT05332 - ]**

## Link Product / Engine

Product	Market Product	Engine
T4.100V With cab [HLRT410VLHLT07235 - ]	North America	F5DFL413K*C001
T4.100V Without cab [HLRT410VPHLT09817 - ]	North America	F5DFL413K*C001
T4.110V With cab [HLRT411VKHLT03788 - ]	North America	F5DFL413J*C002
T4.110V Without cab [HLRT411VJHLT08703 - ]	North America	F5DFL413J*C002
T4.80V With cab [HLRT480VEHLT07196 - ]	North America	F5DFL413B*H001
T4.80V Without cab [HLRT480VEHLT07926 - ]	North America	F5DFL413B*H001
T4.90V With cab [HLRT490VAHLT07992 - ]	North America	F5DFL413L*C001
T4.90V Without cab [HLRT490VKHLT05332 - ]	North America	F5DFL413L*C001

# Contents

---

## INTRODUCTION

<b>Engine</b> .....	<b>10</b>
[10.001] Engine and crankcase .....	10.1
[10.114] Pump drives .....	10.2
[10.216] Fuel tanks .....	10.3
[10.206] Fuel filters .....	10.4
[10.202] Air cleaners and lines .....	10.5
[10.254] Intake and exhaust manifolds and muffler .....	10.6
[10.501] Exhaust Gas Recirculation (EGR) exhaust treatment.....	10.7
[10.400] Engine cooling system .....	10.8
[10.414] Fan and drive .....	10.9
[10.310] Aftercooler.....	10.10
[10.304] Engine lubrication system.....	10.11
<b>Clutch</b> .....	<b>18</b>
[18.100] Clutch mechanical release control .....	18.1
[18.104] Clutch hydraulic release control.....	18.2
[18.110] Clutch and components .....	18.3
<b>Transmission</b> .....	<b>21</b>
[21.114] Mechanical transmission .....	21.1
[21.130] Mechanical transmission external controls.....	21.2
[21.100] Mechanical transmission hydraulic components.....	21.3
[21.140] Mechanical transmission internal components.....	21.4
[21.112] Power shuttle transmission.....	21.5
[21.134] Power shuttle transmission external controls .....	21.6
[21.104] Power shuttle transmission hydraulic components .....	21.7
[21.154] Power shuttle transmission internal components .....	21.8
[21.160] Creeper .....	21.9

[21.162] Reverser .....	21.10
[21.168] Hi-Lo unit .....	21.11
[21.109] Transmission cooler and lines.....	21.12
[21.118] Transmission/Rear drive .....	21.13
[21.182] Differential.....	21.14
<b>Four-Wheel Drive (4WD) system .....</b>	<b>23</b>
[23.202] Electro-hydraulic control .....	23.1
[23.304] Four-Wheel Drive (4WD) gearbox .....	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
[25.310] Final drives .....	25.4
[25.400] Non-powered front axle .....	25.5
<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
[27.126] Spur gear and final drives.....	27.4
<b>Power Take-Off (PTO).....</b>	<b>31</b>
[31.101] Rear mechanical control .....	31.1
[31.142] Front Power Take-Off (PTO) control .....	31.2
[31.146] Front Power Take-Off (PTO) .....	31.3
<b>Brakes and controls .....</b>	<b>33</b>
[33.202] Hydraulic service brakes .....	33.1
[33.110] Parking brake or parking lock .....	33.2

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

<https://shopservicemanual.com/>

Service Manuals from 2\$