

# SERVICE MANUAL

**T4030F / T4040F / T4050F / T4060F**  
Tractor

Part number 47888339  
English  
July 2016





## **SERVICE MANUAL**

**T4030F With cab - Model Year 2012 [ZCJD09263 - ZDJD10118], T4030F With cab [Z8JD05996 - ZCJD10540], T4030F Without cab - Model Year 2012 [ZCJD10424 - ZDJD10174], T4030F Without cab [Z8JD07917 - ZCJD10183], T4040F With cab - Model Year 2012 [ZCJD10607 - ZDJD10900], T4040F With cab [Z8JD07561 - ZCJD10129], T4040F Without cab - Model Year 2012 [ZCJD09629 - ZDJD10408], T4040F Without cab [Z8JD05909 - ZCJD10250], T4050F With cab - Model Year 2012 [ZCJD07769 - ZDJD10461], T4050F With cab [Z7JD01006 - ZCJD10886], T4050F Without cab - Model Year 2012 [ZCJD11040 - ZDJD09876], T4050F Without cab [Z8JD06807 - ZCJD10135], T4060F With cab [ZBJD14608 - ZDJD11085], T4060F Without cab [ZCJD06222 - ZDJD11528]**

## Link Product / Engine

Product	Market Product	Engine
T4030F With cab [Z8JD05996 - ZCJD10540]	Asia Pacific	F5AE9484B
T4030F With cab [Z8JD05996 - ZCJD10540]	Australia New Zealand	F5AE9484B
T4030F With cab [Z8JD05996 - ZCJD10540]	Europe	F5AE9484B
T4030F With cab [Z8JD05996 - ZCJD10540]	Middle East Africa	F5AE9484B
T4030F Without cab [Z8JD07917 - ZCJD10183]	Asia Pacific	F5AE9484B
T4030F Without cab [Z8JD07917 - ZCJD10183]	Australia New Zealand	F5AE9484B
T4030F Without cab [Z8JD07917 - ZCJD10183]	Middle East Africa	F5AE9484B
T4030F Without cab [Z8JD07917 - ZCJD10183]	Europe	F5AE9484B
T4030F With cab - Model Year 2012 [ZCJD09263 - ZDJD10118]	Middle East Africa	F5AE9484B
T4030F With cab - Model Year 2012 [ZCJD09263 - ZDJD10118]	Europe	F5AE9484B
T4030F With cab - Model Year 2012 [ZCJD09263 - ZDJD10118]	Australia New Zealand	F5AE9484B
T4030F With cab - Model Year 2012 [ZCJD09263 - ZDJD10118]	Asia Pacific	F5AE9484B
T4030F Without cab - Model Year 2012 [ZCJD10424 - ZDJD10174]	Middle East Africa	F5AE9484B
T4030F Without cab - Model Year 2012 [ZCJD10424 - ZDJD10174]	Europe	F5AE9484B
T4030F Without cab - Model Year 2012 [ZCJD10424 - ZDJD10174]	Australia New Zealand	F5AE9484B
T4030F Without cab - Model Year 2012 [ZCJD10424 - ZDJD10174]	Asia Pacific	F5AE9484B
T4040F With cab [Z8JD07561 - ZCJD10129]	Asia Pacific	F5AE9484G
T4040F With cab [Z8JD07561 - ZCJD10129]	Middle East Africa	F5AE9484G
T4040F With cab [Z8JD07561 - ZCJD10129]	Australia New Zealand	F5AE9484G
T4040F With cab [Z8JD07561 - ZCJD10129]	Europe	F5AE9484G
T4040F Without cab [Z8JD05909 - ZCJD10250]	Middle East Africa	F5AE9484G
T4040F Without cab [Z8JD05909 - ZCJD10250]	Australia New Zealand	F5AE9484G
T4040F Without cab [Z8JD05909 - ZCJD10250]	Asia Pacific	F5AE9484G
T4040F Without cab [Z8JD05909 - ZCJD10250]	Europe	F5AE9484G

<b>Product</b>	<b>Market Product</b>	<b>Engine</b>
T4040F With cab - Model Year 2012 [ZCJD10607 - ZDJD10900]	Europe	F5AE9484G
T4040F With cab - Model Year 2012 [ZCJD10607 - ZDJD10900]	Australia New Zealand	F5AE9484G
T4040F With cab - Model Year 2012 [ZCJD10607 - ZDJD10900]	Asia Pacific	F5AE9484G
T4040F With cab - Model Year 2012 [ZCJD10607 - ZDJD10900]	Middle East Africa	F5AE9484G
T4040F Without cab - Model Year 2012 [ZCJD09629 - ZDJD10408]	Europe	F5AE9484G
T4040F Without cab - Model Year 2012 [ZCJD09629 - ZDJD10408]	Asia Pacific	F5AE9484G
T4040F Without cab - Model Year 2012 [ZCJD09629 - ZDJD10408]	Middle East Africa	F5AE9484G
T4040F Without cab - Model Year 2012 [ZCJD09629 - ZDJD10408]	Australia New Zealand	F5AE9484G
T4050F With cab [Z7JD01006 - ZCJD10886]	Asia Pacific	F4CE9484
T4050F With cab [Z7JD01006 - ZCJD10886]	Australia New Zealand	F4CE9484
T4050F With cab [Z7JD01006 - ZCJD10886]	Europe	F4CE9484
T4050F With cab [Z7JD01006 - ZCJD10886]	Middle East Africa	F4CE9484
T4050F Without cab [Z8JD06807 - ZCJD10135]	Asia Pacific	F4CE9484
T4050F Without cab [Z8JD06807 - ZCJD10135]	Europe	F4CE9484
T4050F Without cab [Z8JD06807 - ZCJD10135]	Middle East Africa	F4CE9484
T4050F Without cab [Z8JD06807 - ZCJD10135]	Australia New Zealand	F4CE9484
T4050F With cab - Model Year 2012 [ZCJD07769 - ZDJD10461]	Australia New Zealand	F4CE9484
T4050F With cab - Model Year 2012 [ZCJD07769 - ZDJD10461]	Europe	F4CE9484
T4050F With cab - Model Year 2012 [ZCJD07769 - ZDJD10461]	Middle East Africa	F4CE9484
T4050F With cab - Model Year 2012 [ZCJD07769 - ZDJD10461]	Asia Pacific	F4CE9484
T4050F Without cab - Model Year 2012 [ZCJD11040 - ZDJD09876]	Australia New Zealand	F4CE9484
T4050F Without cab - Model Year 2012 [ZCJD11040 - ZDJD09876]	Asia Pacific	F4CE9484
T4050F Without cab - Model Year 2012 [ZCJD11040 - ZDJD09876]	Middle East Africa	F4CE9484
T4050F Without cab - Model Year 2012 [ZCJD11040 - ZDJD09876]	Europe	F4CE9484
T4060F With cab [ZBJD14608 - ZDJD11085]	Middle East Africa	F4CE9484
T4060F With cab [ZBJD14608 - ZDJD11085]	Asia Pacific	F4CE9484

<b>Product</b>	<b>Market Product</b>	<b>Engine</b>
T4060F With cab [ZBJD14608 - ZDJD11085]	Australia New Zealand	F4CE9484
T4060F With cab [ZBJD14608 - ZDJD11085]	Europe	F4CE9484
T4060F Without cab [ZCJD06222 - ZDJD11528]	Australia New Zealand	F4CE9484
T4060F Without cab [ZCJD06222 - ZDJD11528]	Middle East Africa	F4CE9484
T4060F Without cab [ZCJD06222 - ZDJD11528]	Europe	F4CE9484
T4060F Without cab [ZCJD06222 - ZDJD11528]	Asia Pacific	F4CE9484

# Contents

---

## INTRODUCTION

Engine.....	10
[10.001] Engine and crankcase .....	10.1
Clutch .....	18
[18.104] Clutch hydraulic release control.....	18.1
[18.110] Clutch and components .....	18.2
[18.100] Clutch mechanical release control .....	18.3
Transmission.....	21
[21.114] Mechanical transmission .....	21.1
[21.118] Transmission/Rear drive .....	21.2
[21.140] Mechanical transmission internal components.....	21.3
[21.112] Power shuttle transmission.....	21.4
[21.134] Power shuttle transmission external controls .....	21.5
[21.154] Power shuttle transmission internal components .....	21.6
[21.160] Creeper .....	21.7
[21.162] Reverser .....	21.8
[21.168] Hi-Lo unit.....	21.9
Four-Wheel Drive (4WD) system .....	23
[23.202] Electro-hydraulic control .....	23.1
[23.304] Four-Wheel Drive (4WD) gearbox .....	23.2
[23.314] Drive shaft.....	23.3
Front axle system .....	25
[25.100] Powered front axle .....	25.1
[25.400] Non-powered front axle .....	25.2
[25.102] Front bevel gear set and differential .....	25.3
[25.108] Final drive hub, steering knuckles, and shafts .....	25.4

[25.310] Final drives .....	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
[31.146] Front Power Take-Off (PTO) .....	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>
[35.000] Hydraulic systems.....	35.1
[35.300] Reservoir, cooler, and filters.....	35.2
[35.104] Fixed displacement pump.....	35.3
[35.204] Remote control valves .....	35.4
[35.600] High flow hydraulics .....	35.5
[35.100] Main lift system.....	35.6
[35.114] Three-point hitch control valve .....	35.7
[35.116] Three-point hitch cylinder .....	35.8
[35.160] Front hitch controls and lines .....	35.9
[35.410] Header or attachment height system .....	35.10
<b>Hitches, drawbars, and implement couplings.....</b>	<b>37</b>
[37.110] Rear three-point hitch .....	37.1
[37.162] Front hitch.....	37.2
<b>Steering.....</b>	<b>41</b>

[41.101] Steering control .....	41.1
[41.200] Hydraulic control components.....	41.2
<b>Wheels .....</b>	<b>44</b>
[44.511] Front wheels.....	44.1
<b>Cab climate control .....</b>	<b>50</b>
[50.100] Heating .....	50.1
[50.104] Ventilation .....	50.2
[50.200] Air conditioning.....	50.3
<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
[55.202] Cold start aid .....	55.6
[55.640] Electronic modules .....	55.7
[55.048] Rear Power Take-Off (PTO) control system .....	55.8
[55.051] Cab Heating, Ventilation, and Air-Conditioning (HVAC) controls.....	55.9
[55.050] Heating, Ventilation, and Air-Conditioning (HVAC) control system.....	55.10
[55.523] Cab hitch controls .....	55.11
[55.130] Rear three-point hitch electronic control system .....	55.12
[55.518] Wiper and washer system.....	55.13
[55.404] External lighting .....	55.14
[55.514] Cab lighting .....	55.15
[55.511] Light harnesses .....	55.16
[55.408] Warning indicators, alarms, and instruments .....	55.17
[55.DTC] FAULT CODES.....	55.18
<b>Platform, cab, bodywork, and decals .....</b>	<b>90</b>



[90.150] Cab ..... 90.1  
[90.151] Cab interior ..... 90.2  
[90.154] Cab doors and hatches ..... 90.3

**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.**