

# 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 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)