

NEW HOLLAND
T8010/T8020/ T8030/T8040/ T8050

SERVICE MANUAL

NEW HOLLAND AGRICULTURE

PARTS

MidWestTech | New Holland T8010, T8020, T8030, T8040, T8050 Tractor Service Manual | Publication 84315763

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Grade 10.9 bolts, nuts and studs

Size	Nm	lb in/lb ft
4 mm	4 - 5 Nm	36 - 48 lb in
5 mm	9 - 11 Nm	84 - 96 lb in
6 mm	15 - 18 Nm	132 - 156 lb in
8 mm	37 - 43 Nm	324 - 384 lb in
10 mm	73 - 87 Nm	54 - 64 lb ft
12 mm	125 - 150 Nm	93 - 112 lb ft
14 mm	200 - 245 Nm	149 - 179 lb ft
16 mm	310 - 380 Nm	230 - 280 lb ft
20 mm	610 - 730 Nm	450 - 540 lb ft
24 mm	1050 - 1275 Nm	780 - 940 lb ft
30 mm	2000 - 2400 Nm	1470 - 1770 lb ft
36 mm	3500 - 4200 Nm	2580 - 3090 lb ft

Grade 12.9 bolts, nuts and studs

Size	Nm	lb in/lb ft
Typically the torque values specified for grade 10.9 hardware can be used satisfactorily on grade 12.9 hardware.		

Steel hydraulic fittings

37° flare fitting

Tube outside diameter/Hose inside diameter		Thread size	Nm	lb in/lb ft
inch	mm			
6.4 mm	1/4 in	7/16-20 in	8 - 16 Nm	72 - 144 lb in
7.9 mm	5/16 in	1/2-20 in	11 - 22 Nm	96 - 192 lb in
9.5 mm	3/8 in	9/16-18 in	14 - 34 Nm	120 - 300 lb in
12.7 mm	1/2 in	3/4-16 in	20 - 57 Nm	180 - 504 lb in
15.9 mm	5/6 in	7/8-14 in	34 - 79 Nm	300 - 696 lb in
19.0 mm	3/4 in	1-1/16-12 in	54 - 108 Nm	40 - 80 lb ft
22.2 mm	7/8 in	1-3/16-12 in	81 - 135 Nm	60 - 100 lb ft
25.4 mm	1 in	1-5/16-12 in	102 - 158 Nm	75 - 117 lb ft
31.8 mm	1-1/4 in	1-5/8-12 in	169 - 223 Nm	125 - 165 lb ft
38.1 mm	1-1/2 in	1-7/8-12 in	285 - 338 Nm	210 - 250 lb ft

Straight threads with O-ring

Tube outside diameter/Hose inside diameter		Thread size	Nm	lb in/lb ft
inch	mm			
6.4 mm	1/4 in	7/16-20 in	16 - 26 Nm	144 - 228 lb in
7.9 mm	5/16 in	1/2-20 in	22 - 34 Nm	192 - 300 lb in
9.5 mm	3/8 in	9/16-18 in	34 - 54 Nm	300 - 480 lb in
12.7 mm	1/2 in	3/4-16 in	57 - 91 Nm	540 - 804 lb in
15.9 mm	5/6 in	7/8-14 in	79 - 124 Nm	58 - 92 lb ft
19.0 mm	3/4 in	1-1/16-12 in	108 - 174 Nm	80 - 128 lb ft
22.2 mm	7/8 in	1-3/16-12 in	136 - 216 Nm	100 - 160 lb ft
25.4 mm	1 in	1-5/16-12 in	159 - 253 Nm	117 - 187 lb ft
31.8 mm	1-1/4 in	1-5/8-12 in	224 - 357 Nm	165 - 264 lb ft
38.1 mm	1-1/2 in	1-7/8-12 in	339 - 542 Nm	250 - 400 lb ft

Split flange mounting bolts

Size	Nm	lb in/lb ft
5/16-18 in	20 - 27 Nm	180 - 240 lb in
3/8-16 in	27 - 34 Nm	240 - 300 lb in
7/16-14 in	47 - 61 Nm	420 - 540 lb in
1/2-13 in	74 - 88 Nm	55 - 65 lb ft
5/8-11 in	190 - 203 Nm	140 - 150 lb ft

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Book A.30.A - A.40.A (continued) Electrical Schematics Lighting

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First Printing

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Book D.14.C - D.50.C
MFD, Steering, Brakes, Suspension, Wheels

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SERVICE

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Replaces 84176629

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FRAME 23

FRAME 24

POWER DISTRIBUTION BOX

FRAME 25

INSTRUMENT CLUSTER

FRAME 26

INSTRUMENT CLUSTER

FRAME 27

FRAME 28

OPTIONAL FRONT HITCH LAMPS

EGRESS LIGHTING

FRAME 29

OPTIONAL WORKLAMPS CAB REAR ROOF

OPTIONAL WORKLAMPS CAB BELTLINE

OPTIONAL 360 ° WORKLAMPS

FRAME 30

STANDARD WORKLAMPS CAB FRONT ROOF

FRAME 31

ROOF WARNING LIGHTS (NAO)

FRAME 32

STANDARD HEADLAMPS

HORN

STANDARD HEADLAMPS

OPTIONAL HIGH INTENSITY LAMP

FRAME 33

WIDE MARKER LIGHT

SINGLE OR OPT TWIN LAMP FENDER LIGHTS

LEFT FENDER STOP, TAIL, TURN LIGHT

FRAME 34

RIGHT FENDER STOP, TAIL, TURN LIGHT

SINGLE OR OPT TWIN LAMP FENDER LIGHTS

WIDE MARKER LIGHT

FRAME 35

FRAME 36

FORWARD NEUTRAL REVERSE PARK (FNRP)

FRAME 37

TRANSMISSION CONTROL SYSTEM

FRAME 38

TRANSMISSION CONTROL SYSTEM

FRAME 39

TRANSMISSION CONTROL SYSTEM

FRAME 40

TRANSMISSION CONTROL SYSTEM

FRAME 41

PNEUMATIC BRAKE OPTION

FRAME 42

MUX SUSPENSION AXLE CONTROLLER

FRAME 43

FRAME 44

ARMREST CONTROLLER (ARU)

FRAME 45

ARMREST CONTROLLER (ARU)

FRAME 46

ARMREST CONTROLLER (ARU)

FRAME 47

ARMREST CONTROLLER (ARU)

FRAME 48

ARMREST CONTROLLER (ARU)

T8000 SERIES TRACTORS
T8010, T8020, T8030, T8040, AND T8050
P.I.N. Z8RW06000 AND AFTER
NAO ELECTRICAL SCHEMATIC

RAC 84142369

LEGEND

INDICATES CONSTANT POWER

INDICATES POWER WHEN KEY SWITCH IS ON

TRANSMISSION CONTROL IN PARK
MFD IS OFF

87751482S1S2

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