



OPERATOR'S MANUAL

NEW HOLLAND

SMARTTRAX

5000 SERIES

Part number 48183165
November 2017
Replaces part number 48080639

Revision 5
8/16/2017

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1 SPECIFICATIONS

TORQUE SPECIFICATIONS FOR HARDWARE						
BOLT SIZE	BOLT TYPE	BOLT GRADE	DRY	WET	LOCATION	QTY PER MODULE
			FT-LB (N-m)	FT-LB (N-m)		
M10	Hex Head Bolt	10.9	40 (54)	30 (41)	Wheel Hub Caps	40
M10	Button Head Bolt	8.8	15 (20)	11 (15)	Drive Hub Cover	6
M10	Hex Head Bolt	8.8	15 (20)	11 (15)	Remote Gauge Bracket	1
M12	Hex Head Bolt	8.8	75 (101)	56 (76)	Drive Spindle Lock Nut	6
M14	Hex Head Bolt	8.8	120 (162)	90 (122)	Cylinder Pins (2) & Drive Wheel Attachment to Drive Spindle (4)	6
M20	Hex Head Bolt	10.9	400 (542)	300 (407)	Wheel Bolts	100
M20	Hex Head Bolt	10.9	400 (542)	300 (407)	Drive Wheel to Integrated Hub (16)	16
M20	Hex Head Nut	10.9	400 (542)	300 (407)	Idler Pivot Pin Retaining Bolt	1
M24	Hex Head Bolt	10.9	400 (542)	300 (407)	Module O-Stops & Drive Wheel Scraper	20

TORQUE SPECIFICATIONS FOR JIC 37° CONNECTORS						
SAE DASH SIZE	THREAD SIZE	TORQUE		TOLERANCE		FFFT
		FT-LB	N-m	FT-LB	N-M	
-6	9/16 -18	21	28	+/- 1	+/- 1	1 1/4

TORQUE SPECIFICATIONS FOR O-RING BOSS CONNECTORS					
SAE DASH SIZE	THREAD SIZE	TORQUE		TOLERANCE	
		FT-LB	N-M	FT-LB	N-m
-6	9/16 -18	27	37	+/- 2	+/- 3
-8	3/4 -16	48	65	+/- 2	+/- 3

LUBRICATION CAPACITIES				
AMBIENT TEMPERATURE RANGE	LUBRICATION SYSTEM	METHOD OF LUBRICATION	TYPE OF LUBRICATION	CAPACITY
20°F (7°C) to 100°F (38°C)	Hydraulic System	Reservoir	134-D Hydraulic Oil	0.5 Gallon (2Liters)
	Drive Spindle Bearings	Grease Packed	Mobilith SHC 220	4 Lbs. (2 Kg)
	Each Wheel Hub	Oil Bath	SAE 15W40	11 oz. (325mL)

PRESSURE SETTING FOR TENSIONING SYSTEM			
SUB SYSTEM	CHARGED WITH	INITIAL	PRESSURE
		PRESSURE SETTING	SETTING AFTER BREAK-IN
Hydraulic System*	134-D Hydraulic Oil	850 psi (5.86 MPa)	750 psi (5.17 MPa)

BEARING PRELOAD	
LOCATION	PRELOAD
Wheel Hubs	1 - 1.5 Tangs
Drive Spindle	15°

* Working hydraulic pressure range is 700 - 1200 psi (4.82 - 8.27 MPa)

1 SPECIFICATIONS

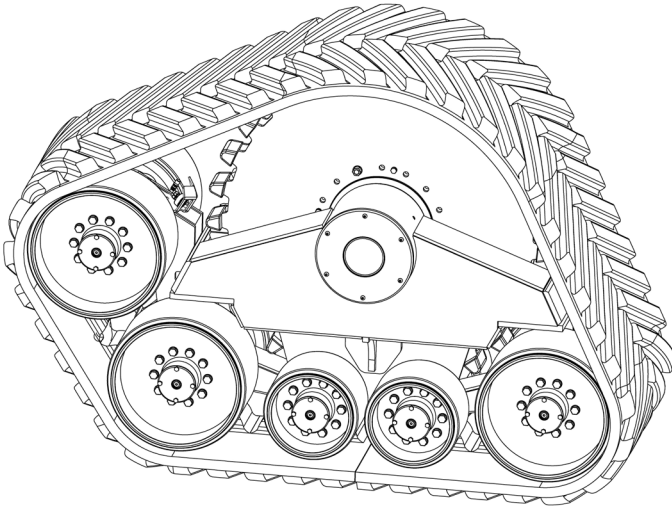


Figure 1-1 High Idler Module (HIM)

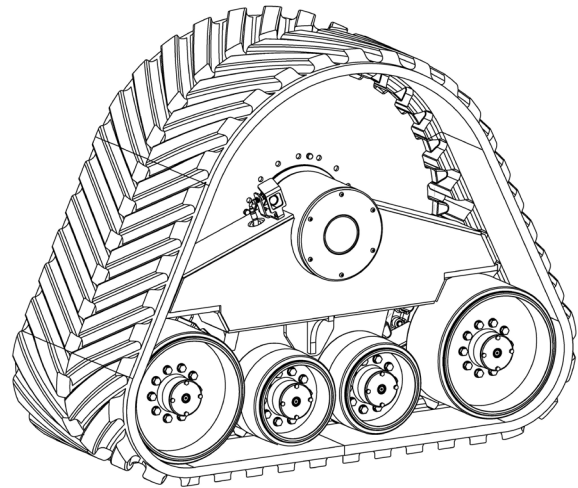


Figure 1-2 Standard Module (STD)

	High Idler Module	Standard Module
Track Module Load Capacity, Ag, lbs. (kg)	37,500 (17,045)	37,500 (17,045)
Track Module Weight w/ Ag Belt, lbs. (kg)	6275* (2846*)	5557* (2521*)
Track Module Weight w/ Deep Lug Belt, lbs. (kg)	6375* (2892*)	5630* (2554*)
Track Module Height, in. (mm)	67 (1,701)	67 (1,701)
Track Module Length, in. (mm)	100 (2,540)	86 (2184)
Track Module Width, in. (mm)	36 (914)	36 (914)
Belt Width, in. (mm)	36 (914)	36 (914)
Rolling Circumference, in. (mm)	178 (4,521)	178 (4,521)

* Weight Excludes the Installation Kit



CAUTION

Due to the weight of the track modules, additional ballast is not required. The use of additional ballast weights can cause damage to the belts and increased belt wear.

SMARTTRAX SPEED CHART										
GEAR	KPH	MPH		GEAR	KPH	MPH		GEAR	KPH	MPH
1	3.3	2.1		8	8.9	5.5		15	21.6	13.4
2	4.0	2.5		9	9.8	6.1		16-Low	26.0	16.2
3	4.9	3.0		10	10.7	6.7		16-High	29.1	18.1
4	5.9	3.6		11	11.8	7.3		R1	5.1	3.1
5	6.7	4.2		12	12.9	8.0		R2	11.2	7.0
6	7.4	4.6		13	14.9	9.2				
7	8.1	5.0		14	17.9	11.1				

*Note: Travel speeds are approximate at rated engine speed. No allowance is made for wheel slip.

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