

Ballast Types

Cast iron wheel weights and front suitcase weights are the preferred form of ballast. Liquid ballast in tires should be avoided if practical since it has a stiffening effect that causes rough ride and makes tractor more susceptible to power hop. If liquid is used in rear tires, all tires on axle must be filled to same level which should not exceed 40% (4 o'clock valve stem position). Specific information on use of liquid ballast is given later in this section.

In some cases it may be necessary or desirable to remove either front or rear ballast. A front hitch facilitates this for front ballast. Installation and removal of rear weights on outside of wheels requires use of a hoist or forklift. Removal of inner rear wheel weights should not be required after initial installation at factory or dealership.

NOTE: Depending on mounting position used (hitch, hitch frame or front support), effective weight added to front axle will be greater due to a leveraging effect caused by weights distance in front of axle.

Front Weights are available in two forms — suitcase weights and a large block weight.

Front Weights

Each suitcase weight weighs 43 kg (95 lb). Up to 24 can be installed on front weight support or a support on front hitch support.

Standard Weight Support

Front weight support effectively adds 134% of its weight to front axle and **subtracts** 34% from rear axle due to leveraging.

Front axle multiplier = 1.34 Rear axle multiplier = - 0.34

A 124 kg (273 lb) weight support **adds** $1.34 \times 124 = 166$ kg (366 lb) to front axle and **subtracts** $0.34 \times 124 = 42$ kg (93 lb) from rear axle.

Front Hitch Support



Suitcase Weights on Front Support

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When suitcase weights are mounted on a front hitch with support as shown, the multipliers are:

Front axle multiplier = 1.37 Rear axle multiplier = - 0.37

A 365 kg (805 lb) hitch weight support **adds** $1.37 \times 365 = 500$ kg (1102 lb) to the front axle and **subtracts** $0.37 \times 365 = 135$ kg (298 lb) from the rear axle.

Front Suitcase Weights

Front suitcase weights mounted on a front weight support or front hitch support adds 144% of their weight to front axle and **subtract** 44% from rear axle due to leveraging.

Front axle multiplier = 1.44 Rear axle multiplier = - 0.44

A 43 kg (95 lb) suitcase weight **adds** $1.44 \times 43 = 62$ kg (137 lb) to front axle and **subtracts** $0.44 \times 43 = 19$ kg (42 lb) from rear axle.

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Large Block Weights

Large 900 kg (1984 lb) or 1150 kg (2535 lb) Block

Both the 900 kg (1984 lb) block and the 1150 kg (2535 lb) block on either a standard front weight support or front hitch adds 144% of its weight to front axle and subtracts 44% from rear axle due to leveraging.

Front axle multiplier = 1.44 Rear axle multiplier = - 0.44

One 900 kg (1984 lb) or 1150 kg (2535 lb) block on standard front support **adds** $1.44 \times 900 = 1296$ kg (2857 lb) or $1.44 \times 1150 = 1656$ kg (3651 lb) to front axle and **subtracts** $0.44 \times 900 = 396$ kg (873 lb) or $0.44 \times 1150 = 506$ kg (1116 lb) from rear axle.

Large 1500 kg (3307 lb) or 1800 kg (3968 lb) Block

When directly mounted on a front hitch, multipliers are:

Front axle multiplier = 1.46 Rear axle multiplier = 0.46

The 1500 kg (3307 lb) or 1800 kg (3968 lb) block on front hitch **adds** $1.46 \times 1500 = 2190$ kg (4828 lb) or $1.46 \times 1800 = 2628$ kg (5794 lb) to front axle and **subtracts** $0.46 \times 1500 = 690$ kg (1521 lb) or $0.46 \times 1800 = 828$ kg (1825 lb) from rear axle.



Large Block Weight (1800 kg shown)

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Rear Wheel Weights

Rear wheel weights are available in 72 kg (159 lb), 205 kg (452 lb) and 625 kg (1378 lb) sizes.

Each weight applies total weight to rear axle and none to front axle.



Wheel Weight

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Front Hitch

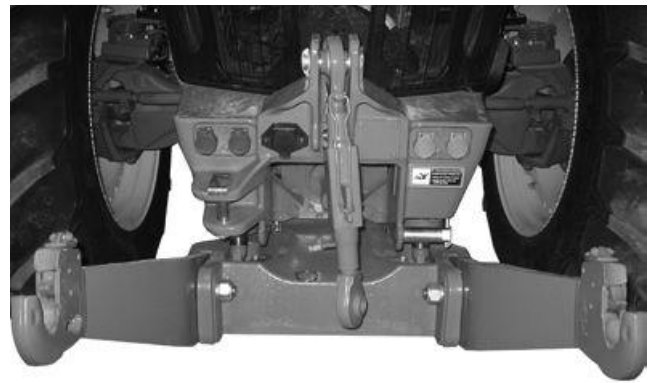
When tractor has a front hitch, additional front axle and rear axle loads due to its weight must be included in calculating total axle loads. Front and rear axle weights shown in Unballasted Tractor Weight Charts are based on tractors with a front weight support. With a front hitch installed instead of a front weight support, the **NET** amounts of weight changes are used in determining axle loads.

	Ground Engaging Hitch	Carrier Hitch
NET Weight added to front axle	492 kg (1085 lb)	388 kg (855 lb)
NET Weight subtracted from rear axle	80 kg (176 lb)	90 kg (198 lb)

NOTE: The front hitch removes 80 kg (176 lb) or 90 kg (198 lb) from rear axle due to leveraging.

Front PTO

When tractor has a front PTO, additional front axle weight must be included in calculating total axle loads. Front and rear axle weights shown in Unballasted Tractor Weight



Front Hitch

Charts are based on tractors with a front weight support. With a front PTO installed **NET** amounts of weight changes are used in determining axle loads.

NET Weight added to front axle.	225 kg (496 lb)
.....
NET Weight subtracted from rear axle.	38 kg (84 lb)
.....

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Ballasting Suggestions for Specific Types of Implements used with MFWD Tractors

Towed Draft Implements

These recommendations are offered as starting points when ballasting for operations with several common types of implements. Some deviations may be needed for specific circumstances.

Towed draft implements such as disks, chisel plows and field cultivators that place small vertical tongue loads on tractor drawbar.

Without Front Suspension



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	7210R	7230R	7250R	7270R	7290R	7310
Front Suitcase Weights	None	0 ^a	0 ^a	6	12	12
Rear Weights	None	1 pair 205 kg (452 lb)	1 pair 205 kg (452 lb)	1 pair 72 kg (159 lb) 1 pair 625 kg (1378 lb)	1 pair 72 kg (159 lb) 1 pair 205 kg (452 lb) 1 pair 625 kg (1378 lb)	1 pair 72 kg (159 lb) 1 pair 205 kg (452 lb) 1 pair 625 kg (1378 lb)

^aWith Weight Support

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Towed Trailers, Slurry Tanks and Fertilizer Tanks

Trailers that place a high vertical tongue load on tractor.

MFWD with or without front suspension

Front Ballast	20—24 Suitcase weights or 900 kg (1984 lb) block
Rear Ballast	None required. If rear weights are already installed, it is not necessary to remove them.

NOTE: It may be practical to use less front weight with smaller trailers, but steering security and stability must be assured.

In all cases percentage on front axle must be increased if needed for steering security and stability.



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Semi-Integral Implements

MFWD with or without front suspension

Front Ballast	20 Suitcase weights or 900 kg (1984 lb) block
Rear Ballast	None



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Integral Implements

MFWD with or without front suspension

Front Ballast	20 Suitcase weights or 900 kg (1984 lb) block
Rear Ballast	None



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Determining Ballasted Tractor Weight, Weight Split, Axle Loads, and Required Tire Inflation Pressures

Unballasted Tractor Weight Charts provide front axle, rear axle, and total weights for most power train and tire size options. From them and information previously provided on weights of various ballast elements (suitcase weights and wheel weights), front ballast multipliers and front hitch

axle loads (if used), the ballasted tractor weight and axle loads can be calculated. They are needed to determine if total weight and weight split recommendations are met and to look up required tire inflation pressures.

Example 1

7230R MFWD with CommandQuad™, Front Suspension, and Front Hitch — 230 Engine HP			
	Front Tires	420/85R34	
	Rear Tires	480/80R50	
	Front Ballast	900 kg (1984 lb) Block on Front Hitch	
	Rear Ballast	None	
From Unballasted Tractor Weight Charts on following pages, front axle weight is 3862 kg (8515 lb) and rear axle weight is 5645 kg (12446 lb). These charts assume that a front weight support is mounted and does not include effect of a front hitch.			
NET changes from deducting front support and adding front hitch are to add 277 kg (611 lb) to front axle and subtract 93 kg (205 lb) from rear axle.			
900 kg (1984 lb) block weight when attached to a Front Hitch adds $900 \times 1.44 = 1296$ kg (2857 lb) to front axle and subtracts $900 \times 0.44 = 396$ kg (873 lb) from rear axle due to leveraging.			
Combine all of these as shown:			
	Front Axle	Rear Axle	
Base Tractor	3862 kg (8515 lb)	5645 kg (12446 lb)	
Front Hitch	+277 kg (611 lb)	-93 kg (205 lb)	
900 kg (1984 lb) Block on Front Hitch	+1296 kg (2857 lb)	-396 kg (873 lb)	Total
Totals	5435 kg (11982 lb)	5156 kg (11367 lb)	10591 kg (23349 lb)

Tractor is ballasted to level of 10591 kg (23349 lb) / 230 Eng-HP = 46 kg (102 lb) per Eng-HP (Medium +)

Percentage of weight on front axle is $5435 \text{ kg} / 10591 \text{ kg} (11982 \text{ lb} / 23349 \text{ lb}) \times 100\% = 51.3\%$.

From Recommended Pressures charts in Wheels, Tires, and Treads section for calculated axle loads, required inflation pressures are:

Front Inflation Pressure = 1.5 bar (22 psi)

Rear Inflation Pressure = 0.6 bar (9 psi) **only if tractor is towing an implement that places very little down load on drawbar (disk or field cultivator).**

For **semi-integral plows or towed implements that generate high weight transfer** add approximately 0.5 bar (7 psi) for a total of 1.1 bar (16 psi) for rear tires. With aid of an assistant, visually check tire deflection when tractor is pulling hard in field to confirm tires are not under-inflated with these pressures.

For **trailers, tankers, or any heavy integral implement** rear inflation pressures **must** be increased substantially to support extra weight at transport speeds. Exact amount depends on extra load. Usually it will be **more than double base amount** or 1.3—1.5 bar (19—22 psi) for this example. To determine rear axle load exactly, weigh rear axle of loaded tractor on a platform scale.

Example 2

7210R MFWD with CommandQuad™, Standard Front Weight Support, No Front Hitch, and No Front Suspension — 210 Eng-HP			
	Front Tires	420/85R34	
	Rear Tires	480/80R50	
	Front Ballast	10 Suitcase Weights on Front Support	
	Rear Ballast	1 pair - 625 kg (1378 lb) Wheel Weights	
From Unballasted Tractor Weight Charts, front axle weight is 3667 kg (8084 lb) and rear weight is 5696 kg (12558 lb).			
Ten suitcase weights (43 kg [95 lb] each) on standard front support add $10 \times 43 \times 1.44 = 619$ kg (1365 lb) to front axle and subtract $10 \times 43 \times 0.44 = 189$ kg (417 lb) from rear axle due to leveraging.			
The pair of rear 625 kg (1378 lb) wheel weights adds nothing to the front axle and 1250 kg (2756 lb) to the rear axle.			

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Combine all of these as shown:

	Front Axle	Rear Axle	
Base Tractor	3667 kg (8084 lb)	5696 kg (12558 lb)	
10 Front Suitcase Weights	+619 kg (1365 lb)	-189 kg (417 lb)	
1 Pair 625 kg (1378 lb) Wheel Weights	0	+1250 kg (2756 lb)	Total
Totals	4286 kg (9449 lb)	6757 kg (14897 lb)	11043 kg (24346 lb)

Tractor is ballasted to level of 11043 kg (24346 lb) / 210 = 52.6 kg (116 lb) per Eng-HP (Light).

Percentage of weight on front axle is 4286 kg / 11043 kg (9449 lb / 24346 lb) x 100% = 38.9%

From Recommended Pressures tables for calculated axle loads, required inflation pressures are:

Front Inflation Pressure = 0.8 bar (12 psi)

Rear Inflation Pressure = 0.9 bar (13 psi) **Only if tractor is towing an implement that places little load on drawbar.**

This is ideal configuration for a 7210R MFWD tractor **without** front suspension when it is used with towed tillage

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implements such as disks, chisels, and field cultivators. Front weight percentage should be approximately 40% or less to help prevent power hop. Although this tractor is slightly under 40%, it is close enough. Power hop can still occur, but it can be controlled using procedures given in this section. If percentage is much higher, control may not be possible.

When this tractor is used to tow large trailers, rear inflation pressure must be increased as outlined in Example 1.

If this tractor is used with heavy integral or semi-integral implements, additional front ballast and higher rear inflation pressures will be required.

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Controlling Power Hop (MFWD tractors without front suspension)

Power hop is a condition where tractor exhibits severe bounce and/or pitch motions at field working speeds when pulling a towed implement. It can occur when pulling medium to high draft loads in loose, dry soil on top of a firm base and/or when climbing hills. As a result, tractor cannot maintain pull due to either loss of traction, rough ride or both. Make adjustments only after assuring guidelines for optimum performance with towed implements have been followed. They are:

- No more than 35% of tractor weight (40% if equipped with AutoTrac™) on front axle.
- If liquid ballast is used in rear tires, it should not exceed 40% fill (4 o'clock valve stem position).
- Front and rear inflation pressures are set correctly based on static axle loads.

Then if power hop occurs:

1. Increase front inflation pressures by 0.4 bar (6 psi) and operate tractor.

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2. If power hop still occurs: Increase front inflation pressures by another 0.4 bar (6 psi) and operate tractor. Continue to increase front inflation pressure as needed up to a maximum of 0.4 bar (6 psi) **above** maximum pressure rating for tires (imprinted on tire sidewall). Usually 0.4—0.8 bar (6—12 psi) above rated pressure for front axle load will suffice to control power hop.
3. If power hop still occurs: Remove all front ballast weights. Leave same front maximum inflation pressure from previous step and operate tractor.
4. If power hop still occurs: Install 75% liquid in front tires. Re-inflate front tires to maximum pressure rating for tires and operate tractor.

NOTE: In most cases step 4 will not be required to control power hop.

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Unballasted Tractor Weight Charts

NOTE: Unballasted weights are calculated by averaging and are based on tractor with a full tank of fuel, no front PTO or front hitch, 3 rear SCV's, Cat 3 drawbar, and a 7031 kg (15500 lbs) rear hitch,

480/80R50 single steel rear wheels, and 480/70R34 front wheels. Each tractor will be different.

Have tractor weighed for exact weight splits.

7210R Tractor—1150 MFWD FT4/Stage IV			
	e23™ Transmission	CommandQuad™	AutoPowr™/IVT™
Front kg (lb)	3808 (8397)	3667 (8084)	3726 (8214)
Rear kg (lb)	6104 (13457)	5696 (12558)	5715 (13264)
Total	9641 (21854)	9363 (20641)	9741 (21477)
Front %	38	40	38
Rear %	62	60	62

7210R Tractor—TLS™ Plus FT4/Stage IV			
	e23™ Transmission	CommandQuad™	AutoPowr™/IVT™
Front kg (lb)	4105 (9049)	3963 (8736)	4022 (8866)
Rear kg (lb)	6128 (13511)	5720 (12611)	6041 (13318)
Total	10233 (22561)	9683 (21348)	10026 (22184)
Front %	40	41	40
Rear %	60	59	60

7230R Tractors—1300 MFWD FT4/Stage IV			
	e23™ Transmission	CommandQuad™	AutoPowr™/IVT™
Front kg (lb)	3883 (8561)	3741 (8247)	3800 (8377)
Rear kg (lb)	6104 (13458)	5697 (12559)	6017 (13265)
Total	9715 (22019)	9437 (20806)	9817 (21642)
Front %	39	40	39
Rear %	61	60	61

7230R Tractors—TLS™ Plus FT4/Stage IV			
	e23™ Transmission	CommandQuad™	AutoPowr™/IVT™
Front kg (lb)	4105 (9049)	3963 (8736)	4022 (8866)
Rear kg (lb)	6128 (13511)	5720 (12611)	6041 (13318)
Total	10234 (22561)	9683 (21348)	10062 (22184)
Front %	40	41	40
Rear %	60	59	60

7250R-7270R Tractors—1300 MFWD FT4/Stage IV			
	e23™ Transmission	CommandQuad™	AutoPowr™/IVT™
Front kg (lb)	3865 (8521)	Not Available	3782 (8338)
Rear kg (lb)	6375 (14055)	Not Available	6288 (13862)
Total	10240 (22576)	Not Available	10203 (22199)
Front %	38	Not Available	38
Rear %	62	Not Available	62

7250R-7270R Tractors—TLS™ Plus FT4/Stage IV			
	e23™ Transmission	CommandQuad™	AutoPowr™/IVT™
Front kg (lb)	4087 (9010)	Not Available	4004 (8827)
Rear kg (lb)	6399 (14108)	Not Available	6311 (13914)
Total	10486 (23118)	Not Available	10315 (22741)
Front %	39	Not Available	39
Rear %	61	Not Available	61

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7290R Tractors—1300 MFWD FT4/Stage IV			
	e23™ Transmission	CommandQuad™	AutoPowr™/IVT™
Front kg (lb)	4063 (8957)	Not Available	3980 (8774)
Rear kg (lb)	6438 (14193)	Not Available	6350 (13999)
Total	10501 (23150)	Not Available	10330 (22773)
Front %	39	Not Available	39
Rear %	61	Not Available	61

7290R Tractors—TLS™ Plus FT4/Stage IV			
	e23™ Transmission	CommandQuad™	AutoPowr™/IVT™
Front kg (lb)	4279 (9434)	Not Available	4196 (9251)
Rear kg (lb)	6459 (14240)	Not Available	6372 (14047)
Total	10738 (23674)	Not Available	10567 (23297)
Front %	40	Not Available	40
Rear %	60	Not Available	60

7210R Tractor—1150 MFWD Stage II			
	e23™ Transmission	CommandQuad™	AutoPowr™/IVT™
Front kg (lb)	3683 (8119)	3633 (8010)	3657 (8063)
Rear kg (lb)	6008 (13246)	5450 (12015)	5968 (13157)
Total	9691 (21366)	9084 (20026)	9741 (21221)
Front %	38	40	38
Rear %	62	60	62

7210R Tractor—TLS™ Plus Stage II			
	e23™ Transmission	CommandQuad™	AutoPowr™/IVT™
Front kg (lb)	4099 (9037)	3856 (8500)	4022 (8990)
Rear kg (lb)	5899 (13004)	5548 (12231)	5868 (12936)
Total	9998 (22042)	9404 (20732)	9946 (21927)
Front %	41	41	41
Rear %	59	59	59

7230R Tractors—1300 MFWD Stage II			
	e23™ Transmission	CommandQuad™	AutoPowr™/IVT™
Front kg (lb)	3901 (8600)	3663 (8076)	3800 (8554)
Rear kg (lb)	5851 (12900)	5495 (12115)	6017 (13265)
Total	9752 (21500)	9158 (20191)	9817 (21386)
Front %	40	40	40
Rear %	60	60	60

7230R Tractors—TLS™ Plus Stage II			
	e23™ Transmission	CommandQuad™	AutoPowr™/IVT™
Front kg (lb)	4099 (9037)	3856 (8500)	3978 (8771)
Rear kg (lb)	5899 (13005)	5548 (12232)	5967 (13156)
Total	9998 (22042)	9404 (20732)	9946 (21927)
Front %	41	41	41
Rear %	59	59	59

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Unballasted Tire Weight Charts

NOTE: Have tractor weighed for exact weight splits

Tractor weighed is 7270R with AutoPowr™, 4 rear SCV's, Cat 3 drawbar, and 7030 kg (15,500 lbs) rear hitch, and steel rims.

Tires with cast rims will be heavier than tires with steel rims.

Group 47 Tires

320/90R54				
	MFWD	MFWD and Duals	MFWD with TLS™ Plus	MFWD with TLS™ Plus and Duals
Front kg (lbs)	9943 (8799)	3991 (8799)	4113 (9067)	4113 (9067)
Rear kg (lbs)	5952 (13121)	5952 (13121)	5974 (13170)	6904 (15220)
Total kg (lbs)	9943 (21920)	9943 (21920)	10086 (22237)	11016 (24287)
Front %	40	37	41	37
Rear %	60	63	59	63

380/90R50 Tires				
	MFWD	MFWD and Duals	MFWD with TLS™ Plus	MFWD with TLS™ Plus and Duals
Front kg (lbs)	3957 (8724)	3957 (8724)	4079 (8992)	4079 (8992)
Rear kg (lbs)	5912 (13033)	6802 (14995)	5934 (13081)	6824 (15044)
Total kg (lbs)	9869 (21757)	10759 (23719)	10012 (22074)	10902 (24036)
Front %	40	37	41	37
Rear %	60	63	59	63

18.4R46 Tires				
	MFWD	MFWD and Duals	MFWD with TLS™ Plus	MFWD with TLS™ Plus and Duals
Front kg (lbs)	Not Available	3905 (8610)	Not Available	4027 (8878)
Rear kg (lbs)	Not Available	6602 (14554)	Not Available	6624 (14603)
Total kg (lbs)	Not Available	10507 (23164)	Not Available	10650 (23480)
Front %	Not Available	37	Not Available	38
Rear %	Not Available	63	Not Available	62

480/80R46 Tires				
	MFWD	MFWD and Duals	MFWD with TLS™ Plus	MFWD with TLS™ Plus and Duals
Front kg (lbs)	3971 (8755)	3971 (8755)	4093 (9023)	4093 (9023)
Rear kg (lbs)	5902 (13011)	6782 (14951)	5924 (13059)	6804 (15000)
Total kg (lbs)	9873 (21766)	10753 (23706)	10016 (22082)	10896 (24023)
Front %	40	37	41	38
Rear %	60	63	59	62

520/85R42 Tires				
	MFWD	MFWD and Duals	MFWD with TLS™ Plus	MFWD with TLS™ Plus and Duals
Front kg (lbs)	4011 (8843)	4011 (8843)	4133 (9111)	4011 (8843)
Rear kg (lbs)	6002 (13231)	8843 (15392)	6024 (13280)	7004 (15440)
Total kg (lbs)	10013 (22075)	10993 (24235)	10156 (22391)	11136 (24552)
Front %	40	37	41	37
Rear %	60	63	59	63

620/70R42 Tires				
	MFWD	MFWD and Duals	MFWD with TLS™ Plus	MFWD with TLS™ Plus and Duals
Front kg (lbs)	4051 (8931)	4051 (8931)	4173 (9199)	4173 (9199)
Rear kg (lbs)	6168 (13597)	7314 (16124)	6190 (13646)	7336 (16172)

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620/70R42 Tires				
	MFWD	MFWD and Duals	MFWD with TLS™ Plus	MFWD with TLS™ Plus and Duals
Total kg (lbs)	10219 (22529)	11365 (25055)	10362 (22845)	11508 (25372)
Front %	40	36	40	36
Rear %	60	64	60	64

650/65R42 Tires				
	MFWD	MFWD and Duals	MFWD with TLS™ Plus	MFWD with TLS™ Plus and Duals
Front kg (lbs)	4051 (8931)	Not Available	4173 (9199)	Not Available
Rear kg (lbs)	5283 (13761)	Not Available	6264 (13809)	Not Available
Total kg (lbs)	10293 (22692)	Not Available	10436 (23008)	Not Available
Front %	39	Not Available	40	Not Available
Rear %	61	Not Available	60	Not Available

710/70R38 Tires				
	MFWD	MFWD and Duals	MFWD with TLS™ Plus	MFWD with TLS™ Plus and Duals
Front kg (lbs)	4051 (8931)	4051 (8931)	4173 (9199)	4173 (9199)
Rear kg (lbs)	6194 (13655)	7366 (16239)	6216 (13703)	7388(16287)
Total kg (lbs)	10245 (22586)	11417 (25170)	10388 (22903)	11560 (25486)
Front %	40	36	40	36
Rear %	60	64	60	64

Group 48 Tires

380/90R54				
	MFWD	MFWD and Duals	MFWD with TLS™ Plus	MFWD with TLS™ Plus and Duals
Front kg (lbs)	4063 (8958)	4063 (8958)	4185 (9226)	4185 (9226)
Rear kg (lbs)	5942 (13099)	6862 (15127)	5964 (13148)	6884 (15176)
Total kg (lbs)	10005 (22057)	10925 (24085)	10148 (22373)	11068 (24402)
Front %	41	37	41	38
Rear %	59	63	59	62

480/80R50				
	MFWD	MFWD and Duals	MFWD with TLS™ Plus	MFWD with TLS™ Plus and Duals
Front kg (lbs)	4131 (9108)	4131 (9108)	4253 (9376)	4253 (9376)
Rear kg (lbs)	5932 (13077)	6842 (15083)	5954 (13126)	6864 (15132)
Total kg (lbs)	10063 (22185)	10973 (24191)	10206 (22501)	11116 (24508)
Front %	41	38	42	38
Rear %	59	62	58	62

520/85R46 Tires				
	MFWD	MFWD and Duals	MFWD with TLS™ Plus	MFWD with TLS™ Plus and Duals
Front kg (lbs)	4131 (9108)	4131 (9108)	4253 (9376)	4253 (9376)
Rear kg (lbs)	6092 (13430)	7162 (15789)	6114 (13478)	7184 (15837)
Total kg (lbs)	10223 (22538)	11293 (24897)	10366 (22854)	11436 (25213)
Front %	40	37	41	37
Rear %	60	63	59	63

620/70R46 Tires				
	MFWD	MFWD and Duals	MFWD with TLS™ Plus	MFWD with TLS™ Plus and Duals
Front kg (lbs)	4081 (8998)	4081 (8998)	4203 (9266)	4203 (9266)
Rear kg (lbs)	6152 (13562)	7282 (16053)	6174 (13611)	7304 (16102)

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Performance Ballasting

620/70R46 Tires				
	MFWD	MFWD and Duals	MFWD with TLS™ Plus	MFWD with TLS™ Plus and Duals
Total kg (lbs)	10233 (22560)	11363 (25051)	10376 (22876)	11506 (25367)
Front %	40	36	40	36
Rear %	60	64	60	64

650/85R38 Tires				
	MFWD	MFWD and Duals	MFWD with TLS™ Plus	MFWD with TLS™ Plus and Duals
Front kg (lbs)	4081 (8998)	4081 (8998)	4203 (9266)	4203 (9266)
Rear kg (lbs)	6232 (13739)	7442 (16406)	6254 (13787)	7464 (16455)
Total kg (lbs)	10313 (22736)	11523 (25404)	10456 (23052)	11666 (25720)
Front %	40	35	40	36
Rear %	60	65	60	64

710/70R42 Tires				
	MFWD	MFWD and Duals	MFWD with TLS™ Plus	MFWD with TLS™ Plus and Duals
Front kg (lbs)	4081 (8998)	4081 (8998)	4203 (9266)	4203 (9266)
Rear kg (lbs)	6350 (13999)	7678 (16926)	6372 (14047)	7700 (16975)
Total kg (lbs)	10431 (22996)	11759 (25924)	10574 (23313)	11902 (26240)
Front %	39	35	40	35
Rear %	61	65	60	65

800/70R38 Tires				
	MFWD	MFWD and Duals	MFWD with TLS™ Plus	MFWD with TLS™ Plus and Duals
Front kg (lbs)	4139 (9125)	4139 (9125)	4261 (9393)	4261 (9393)
Rear kg (lbs)	6432 (14179)	7842 (17288)	6454 (14228)	7864 (17336)
Total kg (lbs)	10571 (23305)	11981 (26413)	10714 (23621)	12124 (26730)
Front %	39	34	40	35
Rear %	61	66	60	65

Group 49 Tires

480/95R50				
	MFWD	MFWD and Duals	MFWD with TLS™ Plus	MFWD with TLS™ Plus and Duals
Front kg (lbs)	4111 (9064)	4111 (9064)	4233 (9332)	4233 (9332)
Rear kg (lbs)	6096 (13439)	7170 (15806)	6118 (13487)	7192 (15855)
Total kg (lbs)	10207 (22502)	11281 (24870)	10350 (22819)	11427 (25187)
Front %	40	36	41	37
Rear %	60	64	59	63

710/75R42				
	MFWD	MFWD and Duals	MFWD with TLS™ Plus	MFWD with TLS™ Plus and Duals
Front kg (lbs)	4279(9434)	Not Available	4401 (9702)	Not Available
Rear kg (lbs)	6412 (14135)	Not Available	6434 (14184)	Not Available
Total kg (lbs)	10691 (23569)	Not Available	10834 (23886)	Not Available
Front %	40	Not Available	41	Not Available
Rear %	60	Not Available	59	Not Available

TO84419,0000156 -19-08FEB13-3/3

Maximum Load Per Wheel

FRONT WHEELS			
Tire Size	Load Rating	40 km/h (25 mph) kg (lb)	50 km/h (30 mph) kg (lb)
16.9R30	144A8	2800 (6150)	—
420/85R34	147A8	3075 (6800)	—
420/90R30	147A8	3075 (6800)	—
480/70R30	141A8	2575 (5680)	—
480/70R30	152A8	3550 (7850)	—
480/70R34	146A8	3000 (6600)	—
480/70R34	155A8	3875 (8550)	—
540/65R30	143A8	2725 (6000)	—
540/65R30	143B	2725 (6000)	2725 (6000)
540/65R34	152A8	3550 (7850)	—
540/65R34	152B	3550 (7850)	3550 (7850)
600/65R28	147A8	3075 (6800)	—
600/65R28	147B	3075 (6800)	3075 (6800)
600/70R30	152A8	3550 (7850)	—
600/70R30	152B	3550 (7850)	3550 (7850)

REAR WHEELS			
Tire Size	Load Rating	40 km/h (25 mph) kg (lb)	50 km/h (30 mph) kg (lb)
20.8R42	155A8	3875 (8550)	—
520/85R42	157A8	4125 (9100)	—
520/85R46	158A8	4250 (9350)	—
620/70R42	160A8	4500 (9900)	—
620/70R46	162A8	4750 (10500)	—
650/75R38	169A8	5800 (12800)	—
650/75R38	169B	5800 (12800)	5800 (12800)
650/85R38	173A8	6500 (14300)	—
650/85R38	173B	6500 (14300)	6500 (14300)
650/65R42	158A8	4250 (9350)	—
650/65R42	170A8	6000 (13200)	—
710/70R38	166A8	5300 (11700)	—
710/70R38	166B	5300 (11700)	5300 (11700)
710/70R42	168A8	5600 (12300)	—
710/70R42	173A8	6500 (14300)	—

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Installing Quik-Tatch™ Weights

Up to 24 Quik-Tatch™ weights can be installed on tractors.

When required, install Quik-Tatch™ weights, balanced on each side of center pin (A). The first two weights must be installed as a pair.

To hold six weights or fewer in position, insert retaining bolts (B) through holes and secure with a nut. Tighten to specifications.

Specification

Retaining Bolts—Torque..... 170 N·m
(125 lb-ft)

A—Center Pin

B—Retaining Bolts



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RXA0112537—UN—14DEC10

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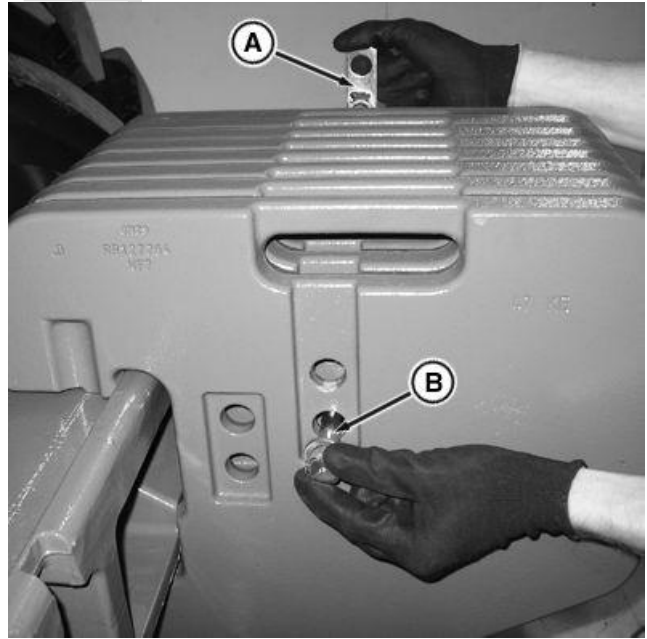
When eight or more weights are installed, insert retainers (A) between weights, one with threaded hole upward and the other with threaded hole downward. Tighten retaining bolts (B) to specifications.

Specification

Retaining Bolts—Torque..... 170 N·m
(125 lb-ft)

A—Retainers

B—Retaining Bolt



RXA013871 —UN—09FEB11

T084419,0000158 -19-27NOV12-2/2

Using Rear Wheel Weights

CAUTION: When installing weights, use appropriate equipment or have job performed by your John Deere dealer.

Weights (A) of 72 kg (159 lb) or 205 kg (452 lb) can be installed on inside or outside of wheel. Ten bolt steel wheels require use of 72 kg (159 lb) weight as a starter weight.

NOTE: When using 762 mm (30 in.) tread setting, only one 205 kg (452 lb) weight can be installed on inside of wheel.

Install weights on wheel.

Wheel Weight Attaching Bolts—Specification

M16 Bolt—Torque..... 310 N·m
(230 lb-ft)

M20 Bolt—Torque..... 610 N·m
(450 lb-ft)

For additional weights, install bolts in previous weight. Rotate alternate weight to align bolts with weight holes.

Tighten bolts and retighten after driving approximately 100 m (100 yd).

Retighten bolts after **3 HOURS** and again after **10 HOURS** of operation.

Check tightness every 250 hours.



RW19886A —UN—02AUG99

A—Weights

IMPORTANT: Inside wheel weights must have at least 25 mm (1 in.) clearance between weight and tractor components.

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Ballasting Suggestions for Hitch Mounted Implements

IMPORTANT: Use a scale to check static weight, especially with heavy implements. Static weight remaining on front wheels with implement lifted should always be at least 50% of front axle weight with implement resting on ground.

CAUTION: Do not attempt to transport an implement without adequate front ballast. Loss of steering control may result.

NOTE: Implements with a center of gravity greater than 610 mm (24 in.) will have a higher implement code and will require additional weight on rear axle. (See Implement Codes in this section for more details.)

Determine the following:

- MFWD or MFWD with TLS™
- Front tires with or without liquid ballast

Determine implement weight (fully loaded). Record weight.

Approximate Implement Weight kg (lb)	1786 (3938)	1819 (4011)	1914 (4220)	2009 (4429)	2104 (4638)	2199 (4847)	2293 (5056)	2388 (5265)	2483 (5475)	2578 (5684)	2672 (5893)
Front Ballast Required	None	None	Support Only	Support Only	2 Front Weights	4 Front Weights	6 Front Weights	8 Front Weig- hts	10 Front Weights	12 Front Weights	12 Front Weights
Approximate Rear Axle Weight Added by Hitch Load kg (lb)	3015 (6646)	3070 (6769)	3230 (7122)	3348 (7382)	3509 (7735)	3631 (8005)	3752 (8271)	3836 (8457)	3997 (8811)	4081 (8997)	4240 (9347)

TO84419,000015A -19-27NOV12-1/1

Adding Rear Ballast For Front Loader

CAUTION: To help prevent personal injury or death from tractor/loader rollover, add recommended amount of ballast to tractor. Amount of ballast listed is minimum required for normal loader operation. For some operations, additional ballast may be required to maximize stability. Select one of following ballasting options.

NOTE: More ballast may be required depending on the application.



RXA0118624—UN—13JUL11

Rear Ballast with H480 Loader ^a		
Rear Wheel Configuration	Axle Ballast	Hitch Ballast ^b
Single Steel Wheels	2500 kg (5510 lbs)	None
Single Steel Wheels	750 kg (1655 lbs)	1000 kg (2205 lbs)
Single Cast Wheels	2310 kg (5095 lbs)	None
Single Cast Wheels	560 kg (1235 lbs)	1000 kg (2205 lbs)
Steel Wheels with Duals	1590 kg (3505 lbs)	None
Steel Wheels with Duals	None	885 kg (1950 lbs)
Cast Wheels with Duals	1400 kg (3085 lbs)	None
Cast Wheels with Duals	None	750 kg (1655 lbs)

^aMinimum required with rear tread set at 1800 mm (71 in.) or greater. If equipped, include fluid in rear tires in ballast total.

^bBallast must be installed 1200 mm (47.25 in.) behind rear axle.

TO84419,000015B -19-27NOV12-1/1

Using Liquid Ballast

CAUTION: Installing liquid ballast requires special equipment and training. See your John Deere dealer or a tire service store.

IMPORTANT: NEVER fill any tire to more than 90% full. More solution could damage tires.

Water or calcium chloride solution can be used to provide economical ballast. Used properly, it will not damage tires, tubes, or rims. However, liquid ballast is not recommended because it results in harsh ride, difficulty in handling, spills if flats occur, and when used in rear tires can result in greater susceptibility to power hop.

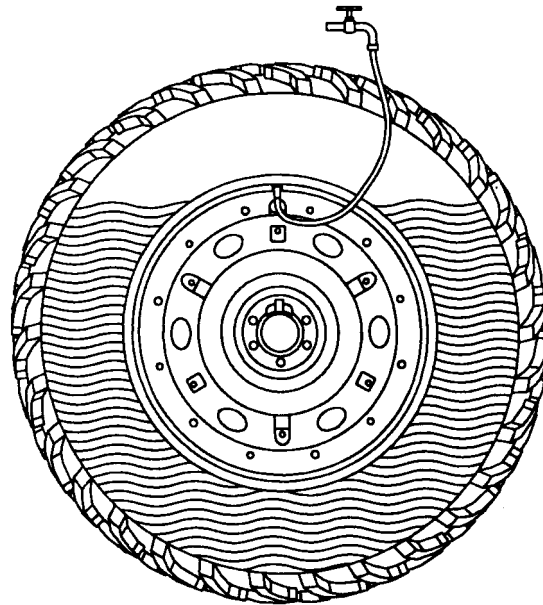
CAUTION: Avoid possible injury due to losing control of tractor. Limit transport speeds to 32 km/h (20 mph) when using liquid ballast.

A calcium chloride mixture of 420 gram per liter (3.5 lb per gal) of water will not freeze solid above -45 °C (-50 °F). A mixture of 600 gram per liter (5.0 lb per gal) will not freeze solid above -50 °C (-60 °F).

NOTE: Use of alcohol as liquid ballast is not recommended.

Liquid ballast should be avoided in rear tires since it has a stiffening effect that causes tractor to give a rough ride and generally reduces ability to control power hop. If liquid is used in rear tires, *all tires on axle must be filled to same level* which should not exceed 40% fill.

Up to 75% fill may be used in MFWD front tires for weight or to provide stiffness to assist in power hop control. *Do this as a last alternative.*



■ ■ Liquid Ballast 75% Full Shown

Fill **front** tires to 40% or 75% full for needed ballast. Fill **rear** tires to maximum of 40% full. More solution could result in harsh ride. The following charts show how much weight is added in liquid ballast when tire is filled to 40% capacity and 75% capacity.

RW25003—JUN—07JUL93

TO84419,000015C -19-27NOV12-1/1

Liquid Ballast Charts

REAR TIRES		
LIQUID WEIGHT PER TIRE		
Tire Size	40% FILL	
	420 g/L (3.5 lb/gal)	600 g/L (5.0 lb/gal)
480/80R46	292 kg (644 lb)	313 kg (690 lb)
20.8R42	364 kg (802 lb)	387 kg (853 lb)
520/85R42	349 kg (770 lb)	371 kg (818 lb)
520/85R46	375 kg (827 lb)	400 kg (882 lb)
620/70R42	415 kg (915 lb)	442 kg (974 lb)
620/70R46	450 kg (991 lb)	477 kg (1058 lb)
650/75R38	460 kg (1015 lb)	489 kg (1077 lb)
650/85R38	561 kg (1237 lb)	597 kg (1316 lb)
650/65R42	401 kg (884 lb)	429 kg (947 lb)
710/70R38	495 kg (1092 lb)	526 kg (1159 lb)
710/70R42	558 kg (1231 lb)	597 kg (1316 lb)
800/70R38	650 kg (1433 lb)	694 kg (1529 lb)

FRONT TIRES				
LIQUID WEIGHT PER TIRE				
Tire Size	40% FILL		75% FILL	
	420 g/L (3.5 lb/gal)	600 g/L (5.0 lb/gal)	420 g/L (3.5 lb/gal)	600 g/L (5.0 lb/gal)
16.9R30	180 kg (398 lb)	189 kg (420 lb)	338 kg (746 lb)	355 kg (787 lb)
420/85R34	175 kg (386 lb)	187 kg (413 lb)	328 kg (723 lb)	351 kg (774 lb)
420/90R30	178 kg (391 lb)	190 kg (420 lb)	333 kg (734 lb)	357 kg (787 lb)
480/70R30	183 kg (404 lb)	197 kg (434 lb)	344 kg (758 lb)	369 kg (814 lb)
480/70R34	203 kg (448 lb)	216 kg (477 lb)	381 kg (840 lb)	405 kg (894 lb)
540/65R30	197 kg (436 lb)	210 kg (462 lb)	370 kg (817 lb)	393 kg (867 lb)
540/65R34	226 kg (499 lb)	239 kg (527 lb)	424 kg (935 lb)	448 kg (988 lb)
600/65R28	243 kg (537 lb)	258 kg (569 lb)	456 kg (1006 lb)	484 kg (1067 lb)
600/70R30	307 kg (676 lb)	326 kg (718 lb)	575 kg (1268 lb)	611 kg (1347 lb)

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P
R
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O
F

Implement Codes

IMPORTANT: Use a scale to check static weight, especially with heavy implements. Static weight remaining on front wheels with implement lifted should always be at least 50 percent of the weight with implement resting on ground.

Determine following:

- MFWD, or Triple Link Suspension
- Front tires with or without liquid

Find implement code in John Deere™ implement operator's manual.

To find implement code for non-John Deere™ implements use the following procedure:

1. Estimate implement center of gravity (find or estimate fore-and-aft balance point)

2. Measure distance from implement hitch point to center of gravity. Record distance (inches). Add 37 to this figure.
3. Determine implement weight (fully loaded). Record weight.
4. Multiply Step 2 by Step 3. Divide by 1000.
5. Resulting number is implement code.

Use prior information and refer to appropriate chart to determine how many Quik-Tatch™ weights are required.

⚠ CAUTION: Do not attempt to transport an implement without adequate front ballast. Loss of steering control may result.

NOTE: If no quick coupler is used, add 15 to implement code.

Implement Code	7210R—7230R MFWD	7250R—7290R Triple Link Suspension
0—175	—	—
176—204	—	—
205—224	—	—
225—245	—	—
246—266	—	—
267—288	—	—
289—309	No front weight support	—
310—345	Weight Support Only	—
346—351	2	—
352—372	4	—
373—393	6	No front weight support
394—414	8	Weight Support Only
415—436	10	2
437—456	12	4
457—472	14	6
473—493	16	8
494—514	18	10
515—535	20	12
536—556	22	14
557—577	24	16
578—591	—	18
592—613	—	20
614—633	—	22
634—655	—	24
Add to implement code when:		
Fluid is added to front tires	60	60
Quick coupler is removed	15	15

Quik-Tatch™ Weights Required

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Quik-Tatch is a trademark of Deere & Company

TO84419,000015E -19-27NOV12-1/1

Measuring Wheel Slip (Manually)

IMPORTANT: To properly measure wheel slip, make sure tire pressures are set for axle loads. (See Recommended Pressures tables in both Front Wheels, Tires, and Treads and Rear Wheels, Tires, and Treads sections.)

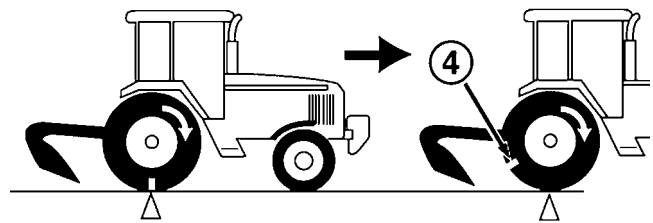
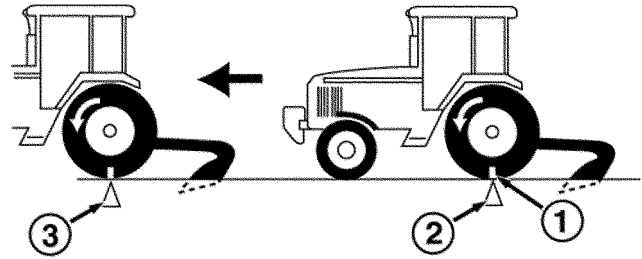
NOTE: Tractors equipped with optional radar unit can automatically determine percentage of wheel slip. Radar must be calibrated correctly. (See CommandCenter™ section.)

1. Mark a rear tire.
2. Mark a starting point on ground with tractor moving and implement lowered in ground.
3. Follow tractor and mark ground again where marked tire completes ten full revolutions.
4. Repeat procedure with implement raised at same working speed. Count revolutions between same two marks.
5. Use second count and chart to determine slippage.

NOTE: Ideal slippage is 8—12% (tractors with MFWD).

6. Adjust ballast or load to give correct slippage.

NOTE: Available horsepower is greatly reduced when wheel slip drops below minimum percent.



RW26776 —UN—12JAN00

RW26777 —UN—13JAN00

Wheel Slippage Chart

Wheel Revolutions (Step 4)	% Slip	Result
10	0	Remove Ballast
9-1/2	5	Remove Ballast
9	10	Correct Ballast
8-1/2	15	Add Ballast
8	20	Add Ballast
7-1/2	25	Add Ballast
7	30	Add Ballast

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Front Wheels, Tires, and Treads

Service Tires Safely

Explosive separation of a tire and rim parts can cause serious injury or death.

Do not attempt to mount a tire unless you have the proper equipment and experience to perform the job.

Always maintain the correct tire pressure. Do not inflate the tires above the recommended pressure. Never weld or heat a wheel and tire assembly. The heat can cause an increase in air pressure resulting in a tire explosion. Welding can structurally weaken or deform the wheel.

When inflating tires, use a clip-on chuck and extension hose long enough to allow you to stand to one side and NOT in front of or over the tire assembly. Use a safety cage if available.

Check wheels for low pressure, cuts, bubbles, damaged rims, or missing lug bolts and nuts.



RXA0103438 —UN—11JUN09

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Tire Combinations

IMPORTANT: Avoid excessive power train wear. Do not mix worn and new tires, bias and radial, or tires of different diameters. Do not use R2 tires in combination with R1.

Tractors built with Group 47/48 tires may not be converted to Group 49 rear tires. Conversely, a tractor built with Group 49 tires may not be converted to Group 47/48 tires.

Mismatched front and rear tire combinations may cause poor performance and other problems. If unable to replace tires with same size as original equipment, consult your John Deere™ dealer or tire supplier for guidance.

Tires are placed into groups by their Rolling Circumference Index (RCI). Rolling circumference is distance tire travels in one revolution. Tires within a group, regardless of rim size, are same or nearly the same diameter. Knowing and understanding RCI group sizes makes choosing front and rear tire combinations easier.

RCI is important for proper tractor setup. Since front tires are smaller than rear tires, front tires have to rotate faster to cover same distance as rear. Therefore it is important to select correct size to optimize efficiency and ensure longer tire life.

Front tire must be from a group that is five group sizes smaller than rear tire group. For example, if rear tires are group 47, front tires must be group 42. Rim size is of no consequence. Different rim size tires such as 480/80R46 and 520/85R42 have same rolling circumference group, which is 47. Tire sizes are found in following tables.

If you have any questions or need assistance in choosing correct combination, see your John Deere dealer.

Front tread spacing for Group 49 tires (Group 44 fronts) has to be 1930 mm./76 in. or wider based on tire size. Not compatible with 762 mm./30 in. tread spacing.

Group 49 tires are only available on the 7270R and 7290R.

710/75R42s (Group 49) are available in singles only.

480/95R50s (Group 49) are available in duals only.

Operators will experience a decrease in turning radius with Group 49 tires due to the larger diameter Group 44 front tires.

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FRONT TIRES							
Minimum Recommended Row Width mm (in.)							
Front Tires	508 mm. (20 in.)	559 mm. (22 in.)	762 mm. (30 in.)	813 mm. (32 in.)			
Front Tire Section Width mm (in.)							
RCI Group Size	Approximate Outside Diameter	320 mm. (12.6 in.)	380 mm. (15 in.)	420 mm. (16.5 in.)	480 mm. (18.9 in.)	520 mm. (20.5 in.)	620 mm. (24.4 in.)
42	1499 mm. (59 in.)	320/85 R38	380/85 R34	420/90 R30	480/70 R30	540/65 R30	600/65 R28
43	1600 mm. (63 in.)	320/80 R42	380/80 R38	420/85 R34	480/70 R34	540/65 R34	600/70 R30
44	1676 mm. (66 in.)						620/75 R30

REAR TIRES								
Minimum Recommended Row Width mm. (in.)								
Rear Tires	508 mm. 20 in.	559 mm. (22 in.)	762 mm. (30 in.)	813 mm. (32 in.)				
Rear Tire Section Width mm (in.)								
RCI Group Size	Approximate Outside Diameter	320 mm. (12.6 in.)	380 mm. (15 in.)	480 mm. (18.9 in.)	520 mm. (20.5 in.)	620 mm. (24.4 in.)	710 mm. (28 in.)	800 mm. (31.5 in.)
47	1956 mm (77 in.)	320/90R54 ^a	380/90R50 ^a	480/80R46	520/85R42	620/70R42 650/65R38	710/70R38	
48	2057 mm. (81 in.)		380/90R54 ^a	480/80R/50	520/85R46	620/70R46 650/85R38	710/70R42	800/70R38
49	2172 mm. (85.5 in.)						710/75R42	

^aApproved in dual configuration only

Exchanging Tire Sizes

Changing to a different tire size can have various consequences:

- The indicated speed is less than the actual speed.
- Error messages when using a radar
- Increased wear of tires and front-wheel drive clutch
- Tensions in the drive train

IMPORTANT: Refitting is only permissible to a tire combination that is authorized for the tractor. It needs to be noted that an adjustment of the transmission ratio may be necessary. Further information on tire combinations and for calculating the transmission ratio are located in this section of the operator's manual.

It also needs to be noted when exchanging tires that an exchange of the oil sight gauge becomes necessary on several tractor models. See your John Deere dealer for more information.

When exchanging to a different tire size, an adjustment of the top speed needs to be made. Have this carried out by a John Deere™ dealer promptly after changing the tire size. In case the tractor is equipped with radar, a renewed calibration by a John Deere dealer becomes necessary.

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Tire Inflation Pressure Guidelines

Check tire inflation pressure while tires are cool, using an accurate dial or stick-type gauge having 10 kPa (0.1 bar) (1 psi) graduations.

NOTE: Use a special air-water gauge and measure with valve stem at bottom if tires contain liquid ballast.

Correctly inflated radial tires will show a deflection of sidewall. This is normal and will not harm tire.

Inflation pressures less than 80 kPa (0.8 bar) (12 psi) should be monitored frequently because of the increased risk of low-pressure air leaks.

NOTE: Bead slip can be experienced in high-traction conditions, with single tire usage. Increasing inflation pressure will help but will reduce traction.

Maximum tire pressure is specified on tire sidewall.

Determine correct tire pressure

Integral implements transfer significant weight to axles, always include this weight when determining correct inflation pressures. Determine correct tire pressure by weighing tractor using following procedure:

Rear Mounted Implement - Front axle should be weighed with implement lowered. Rear axle should be weighed with implement raised.

Front Mounted Implement - Front axle should be weighed with implement raised. Rear axle should be weighed with implement lowered.

Front and Rear Mounted Implement - Weigh tractor with both front and rear implement raised.

Set tire inflation pressures according to weight measured. *Ballasting and tire inflation pressure may need to be adjusted when operating conditions change.* Use following tire inflation charts. For tires not found in charts refer to manufacturers recommended inflation pressures.

Managing Tire Inflation Pressures

Tractors operating with a loader should increase front tire pressures 30 kPa (0.3 bar) (4 psi) above values listed to compensate for weight transfer.

Tractors operating on steep side slopes or furrow plowing should increase rear tire pressures 30 kPa (0.3 bar) (4 psi) above values listed for base pressures 80 kPa (0.8 bar) (12 psi) and above to compensate for lateral weight transfer. For base pressures below 80 kPa (0.8 bar) (12 psi), pressure should be increased by 30%.

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Recommended Pressures—Group 42

Tire Size	320/85R38	380/85R34	16.9R30	420/90R30	420/90R30
Tire Load Index	143	137	144	142	145
Axle Load kg (lb)	kPa (bar) (psi)	kPa (bar) (psi)	kPa (bar) (psi)	kPa (bar) (psi)	kPa (bar) (psi)
1814(4000)	120(1.2)(17)	62(0.62)(9)	62(0.62)(9)	62(0.62)(9)	62(0.62)(9)
2041(4500)	120(1.2)(17)	62(0.62)(9)	62(0.62)(9)	62(0.62)(9)	62(0.62)(9)
2268(5000)	120(1.2)(17)	62(0.62)(9)	62(0.62)(9)	62(0.62)(9)	62(0.62)(9)
2495(5500)	120(1.2)(17)	62(0.62)(9)	62(0.62)(9)	62(0.62)(9)	62(0.62)(9)
2722(6000)	120(1.2)(17)	70(0.7)(10)	62(0.62)(9)	62(0.62)(9)	62(0.62)(9)
2948(6500)	120(1.2)(17)	90(0.9)(13)	62(0.62)(9)	62(0.62)(9)	62(0.62)(9)
3175(7000)	125(1.25)(18)	95(0.95)(14)	62(0.62)(9)	75(0.75)(11)	75(0.75)(11)
3402(7500)	145(1.45)(21)	110(1.1)(16)	70(0.7)(10)	85(0.85)(12)	83(0.83)(12)
3629(8000)	160(1.6)(23)	110(1.1)(16)	75(0.75)(11)	95(0.95)(14)	95(0.95)(14)
3856(8500)	180(1.8)(26)	125(1.25)(18)	85(0.85)(12)	105(1.05)(15)	105(1.05)(15)
4082(9000)	200(2.0)(29)	130(1.3)(19)	95(0.95)(14)	110(1.1)(16)	110(1.1)(16)
4309(9500)	235(2.35)(34)	145(1.45)(21)	105(1.05)(15)	120(1.2)(17)	120(1.2)(17)
4536(10000)	260(2.6)(38)	150(1.5)(22)	110(1.1)(16)	130(1.3)(19)	130(1.3)(19)
4763(10500)	280(2.8)(41)	160(1.6)(23)	120(1.2)(17)	145(1.45)(21)	140(1.4)(20)
4990(11000)	310(3.1)(45)	—	130(1.3)(19)	150(1.5)(22)	145(1.45)(21)
5216(11500)	325(3.25)(47)	—	140(1.4)(20)	160(1.6)(23)	160(1.6)(23)
5443(12000)	360(3.6)(52)	—	150(1.5)(22)	—	180(1.8)(26)
5670(12500)	—	—	160(1.6)(23)	—	200(2.0)(29)

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**Recommended Pressures—Group 42
(Continued)**

Tire Size	480/70R30	540/65R30	600/65R28	600/65R28
Tire Load Index	152	143	147	154
Axle Load kg (lb)	kPa (bar) (psi)	kPa (bar) (psi)	kPa (bar) (psi)	kPa (bar) (psi)
1814(4000)	55(0.55)(8)	65(0.65)(9)	65(0.65)(9)	105(1.05)(15)
2041(4500)	55(0.55)(8)	65(0.65)(9)	65(0.65)(9)	105(1.05)(15)
2268(5000)	55(0.55)(8)	65(0.65)(9)	65(0.65)(9)	105(1.05)(15)
2495(5500)	70(0.7)(10)	65(0.65)(9)	65(0.65)(9)	105(1.05)(15)
2722(6000)	75(0.75)(11)	65(0.65)(9)	65(0.65)(9)	105(1.05)(15)
2948(6500)	85(0.85)(12)	65(0.65)(9)	65(0.65)(9)	105(1.05)(15)
3175(7000)	90(0.9)(13)	65(0.65)(9)	65(0.65)(9)	105(1.05)(15)
3402(7500)	105(1.05)(15)	65(0.65)(9)	65(0.65)(9)	105(1.05)(15)
3629(8000)	110(1.1)(16)	75(0.75)(11)	65(0.65)(9)	105(1.05)(15)
3856(8500)	120(1.2)(17)	85(0.85)(12)	65(0.65)(9)	105(1.05)(15)
4082(9000)	125(1.25)(18)	90(0.9)(13)	65(0.65)(9)	105(1.05)(15)
4309(9500)	140(1.4)(20)	95(0.95)(14)	85(0.85)(12)	105(1.05)(15)
4536(10000)	150(1.5)(22)	105(1.05)(15)	95(0.95)(14)	105(1.05)(15)
4763(10500)	160(1.6)(23)	110(1.1)(16)	105(1.05)(15)	105(1.05)(15)
4990(11000)	165(1.65)(24)	120(1.2)(17)	110(1.1)(16)	105(1.05)(15)
5216(11500)	180(1.8)(26)	130(1.3)(19)	120(1.2)(17)	110(1.1)(16)
5443(12000)	190(1.9)(28)	140(1.4)(20)	125(1.25)(18)	120(1.2)(17)
5670(12500)	210(2.1)(30)	—	140(1.4)(20)	130(1.3)(19)
5897(13000)	220(2.2)(32)	—	145(1.45)(21)	140(1.4)(20)
6123(13500)	240(2.4)(36)	—	160(1.6)(23)	160(1.6)(23)
6350(14000)	275(2.75)(40)	—	—	160(1.6)(23)
6577(14500)	290(2.9)(42)	—	—	180(1.8)(26)
6804(15000)	300(3.0)(43)	—	—	190(1.9)(28)
7031(15500)	320(3.2)(46)	—	—	215(2.15)(31)
7257(16000)	—	—	—	230(2.3)(33)
7484(16500)	—	—	—	240(2.4)(35)

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Recommended Pressures—Group 43

Tire Size	320/80R42	380/80R38	420/85R34	480/70R34
Tire Load Index	141	142	147	143
Axle Load kg (lb)	kPa (bar) (psi)	kPa (bar) (psi)	kPa (bar) (psi)	kPa (bar) (psi)
1814(4000)	55(0.55)(8)	65(0.65)(9)	65(0.65)(9)	65(0.65)(9)
2041(4500)	65(0.65)(9)	65(0.65)(9)	65(0.65)(9)	65(0.65)(9)
2268(5000)	75(0.75)(11)	65(0.65)(9)	65(0.65)(9)	65(0.65)(9)
2495(5500)	90(0.9)(13)	65(0.65)(9)	65(0.65)(9)	65(0.65)(9)
2722(6000)	105(1.05)(15)	70(0.7)(10)	65(0.65)(9)	65(0.65)(9)
2948(6500)	120(1.2)(17)	85(0.85)(12)	65(0.65)(9)	65(0.65)(9)
3175(7000)	125(1.25)(18)	90(0.9)(13)	75(0.75)(11)	65(0.65)(9)
3402(7500)	140(1.4)(20)	95(0.95)(14)	85(0.85)(12)	65(0.65)(9)
3629(8000)	150(1.5)(22)	95(0.95)(14)	95(0.95)(14)	75(0.75)(11)
3856(8500)	175(1.75)(25)	105(1.05)(15)	105(1.05)(15)	85(0.85)(12)
4082(9000)	200(2.0)(29)	120(1.2)(17)	110(1.1)(16)	95(0.95)(14)
4309(9500)	235(2.35)(34)	140(1.4)(20)	120(1.2)(17)	105(1.05)(15)
4536(10000)	260(2.6)(38)	160(1.6)(23)	130(1.3)(19)	120(1.2)(17)
4763(10500)	275(2.75)(40)	180(1.8)(26)	140(1.4)(20)	125(1.25)(18)
4990(11000)	305(3.05)(44)	200(2.0)(29)	145(1.45)(21)	125(1.25)(18)
5216(11500)	—	220(2.2)(32)	160(1.6)(23)	130(1.3)(19)
5443(12000)	—	—	160(1.6)(23)	140(1.4)(20)
5670(12500)	—	—	175(1.75)(25)	—
5897(13000)	—	—	175(1.75)(25)	—
6123(13500)	—	—	175(1.75)(25)	—

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**Recommended Pressures—Group 43
(Continued)**

Tire Size	480/70R34	480/70R34	540/65R34	600/70R30
Tire Load Index	146	155	148	152
Axle Load kg (lb)	kPa (bar) (psi)	kPa (bar) (psi)	kPa (bar) (psi)	kPa (bar) (psi)
1814(4000)	65(0.65)(9)	65(0.65)(9)	65(0.65)(9)	65(0.65)(9)
2041(4500)	65(0.65)(9)	65(0.65)(9)	65(0.65)(9)	65(0.65)(9)
2268(5000)	65(0.65)(9)	65(0.65)(9)	65(0.65)(9)	65(0.65)(9)
2495(5500)	65(0.65)(9)	65(0.65)(9)	65(0.65)(9)	65(0.65)(9)
2722(6000)	65(0.65)(9)	65(0.65)(9)	65(0.65)(9)	65(0.65)(9)
2948(6500)	65(0.65)(9)	65(0.65)(9)	65(0.65)(9)	65(0.65)(9)
3175(7000)	65(0.65)(9)	65(0.65)(9)	65(0.65)(9)	65(0.65)(9)
3402(7500)	70(0.7)(10)	70(0.7)(10)	65(0.65)(9)	65(0.65)(9)
3629(8000)	75(0.75)(11)	75(0.75)(11)	65(0.65)(9)	65(0.65)(9)
3856(8500)	85(0.85)(12)	85(0.85)(12)	70(0.7)(10)	65(0.65)(9)
4082(9000)	95(0.95)(14)	95(0.95)(14)	75(0.75)(11)	65(0.65)(9)
4309(9500)	105(1.05)(15)	105(1.05)(15)	85(0.85)(12)	65(0.65)(9)
4536(10000)	110(1.1)(16)	110(1.1)(16)	95(0.95)(14)	65(0.65)(9)
4763(10500)	120(1.2)(17)	120(1.2)(17)	105(1.05)(15)	70(0.7)(10)
4990(11000)	125(1.25)(18)	125(1.25)(18)	105(1.05)(15)	75(0.75)(11)
5216(11500)	130(1.3)(19)	130(1.3)(19)	110(1.1)(16)	85(0.85)(12)
5443(12000)	140(1.4)(20)	140(1.4)(20)	120(1.2)(17)	95(0.95)(14)
5670(12500)	145(1.45)(21)	145(1.45)(21)	130(1.3)(19)	105(1.05)(15)
5897(13000)	160(1.6)(23)	160(1.6)(23)	140(1.4)(20)	110(1.1)(16)
6123(13500)	—	180(1.8)(26)	150(1.5)(22)	120(1.2)(17)
6350(14000)	—	180(1.8)(26)	160(1.6)(23)	130(1.3)(19)
6577(14500)	—	185(1.85)(27)	—	140(1.4)(20)
6804(15000)	—	185(1.85)(27)	—	145(1.45)(21)
7031(15500)	—	190(1.9)(28)	—	160(1.6)(23)
7257(16000)	—	190(1.9)(28)	—	—
7484(16500)	—	190(1.9)(28)	—	—
7711(17000)	—	200(2.0)(29)	—	—

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Recommended Pressures—Group 43 IF Tires

Tire Size	IF380/80R38	IF420/85R34	IF600/70R30
Tire Load Index	149	152	159
Axle Load kg (lb)	kPa (bar) (psi)	kPa (bar) (psi)	kPa (bar) (psi)
1814(4000)	85(0.85)(12)	85(0.85)(12)	85(0.85)(12)
2041(4500)	85(0.85)(12)	85(0.85)(12)	85(0.85)(12)
2268(5000)	85(0.85)(12)	85(0.85)(12)	85(0.85)(12)
2495(5500)	85(0.85)(12)	85(0.85)(12)	85(0.85)(12)
2722(6000)	85(0.85)(12)	85(0.85)(12)	85(0.85)(12)
2948(6500)	85(0.85)(12)	90(0.90)(13)	85(0.85)(12)
3175(7000)	90(0.90)(13)	90(0.90)(13)	85(0.85)(12)
3402(7500)	90(0.90)(13)	90(0.90)(13)	85(0.85)(12)
3629(8000)	90(0.90)(13)	90(0.90)(13)	85(0.85)(12)
3856(8500)	105(1.05)(15)	95(0.95)(14)	85(0.85)(12)
4082(9000)	110(1.1)(16)	95(0.95)(14)	85(0.85)(12)
4309(9500)	120(1.2)(17)	95(0.95)(14)	85(0.85)(12)
4536(10000)	125(1.25)(18)	105(1.05)(15)	85(0.85)(12)
4763(10500)	130(1.3)(19)	110(1.1)(16)	85(0.85)(12)
4990(11000)	140(1.4)(20)	120(1.2)(17)	85(0.85)(12)
5216(11500)	150(1.5)(22)	120(1.2)(17)	85(0.85)(12)
5443(12000)	160(1.6)(23)	125(1.25)(18)	85(0.85)(12)
5670(12500)	175(1.75)(25)	140(1.4)(20)	85(0.85)(12)
5897(13000)	185(1.85)(27)	145(1.45)(21)	90(0.90)(13)
6123(13500)	215(2.15)(31)	150(1.5)(22)	95(0.95)(14)
6350(14000)	240(2.4)(35)	160(1.6)(23)	105(1.05)(15)
6577(14500)	—	180(1.8)(26)	110(1.1)(16)
6804(15000)	—	185(1.85)(27)	110(1.1)(16)
7031(15500)	—	200(2.0)(29)	120(1.2)(17)
7257(16000)	—	—	120(1.2)(17)
7484(16500)	—	—	125(1.25)(18)
7711(17000)	—	—	130(1.3)(19)
7938(17500)	—	—	140(1.4)(20)
8165(18000)	—	—	145(1.45)(21)
8391(18500)	—	—	150(1.5)(22)
8618(19000)	—	—	160(1.6)(23)
8845(19500)	—	—	160(1.6)(23)

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Recommended Pressures—Group 44

Tire Size	380/80R42	420/85R38	540/75R34	620/75R30	IF620/75R30
Tire Load Index	150	149	157	163	164
Axle Load kg (lb)	kPa (bar) (psi)	kPa (bar) (psi)	kPa (bar) (psi)	kPa (bar) (psi)	kPa (bar) (psi)
1814(4000)	40(0.4)(6)	65(0.65)(9)	55(0.55)(8)	105(1.05)(15)	85(0.85)(12)
2041(4500)	40(0.4)(6)	65(0.65)(9)	55(0.55)(8)	105(1.05)(15)	85(0.85)(12)
2268(5000)	50(0.5)(7)	65(0.65)(9)	55(0.55)(8)	105(1.05)(15)	85(0.85)(12)
2495(5500)	65(0.65)(9)	65(0.65)(9)	55(0.55)(8)	105(1.05)(15)	85(0.85)(12)
2722(6000)	70(0.7)(10)	65(0.65)(9)	55(0.55)(8)	105(1.05)(15)	85(0.85)(12)
2948(6500)	85(0.85)(12)	65(0.65)(9)	55(0.55)(8)	105(1.05)(15)	85(0.85)(12)
3175(7000)	90(0.9)(13)	70(0.7)(10)	55(0.55)(8)	105(1.05)(15)	85(0.85)(12)
3402(7500)	105(1.05)(15)	75(0.75)(11)	65(0.65)(9)	105(1.05)(15)	85(0.85)(12)
3629(8000)	110(1.1)(16)	85(0.85)(12)	70(0.7)(10)	105(1.05)(15)	85(0.85)(12)
3856(8500)	120(1.2)(17)	95(0.95)(14)	75(0.75)(11)	105(1.05)(15)	85(0.85)(12)
4082(9000)	130(1.3)(19)	105(1.05)(15)	85(0.85)(12)	105(1.05)(15)	85(0.85)(12)
4309(9500)	140(1.4)(20)	110(1.1)(16)	90(0.9)(13)	105(1.05)(15)	85(0.85)(12)
4536(10000)	150(1.5)(22)	120(1.2)(17)	95(0.95)(14)	105(1.05)(15)	85(0.85)(12)
4763(10500)	160(1.6)(23)	130(1.3)(19)	105(1.05)(15)	105(1.05)(15)	85(0.85)(12)
4990(11000)	175(1.75)(25)	140(1.4)(20)	110(1.1)(16)	105(1.05)(15)	85(0.85)(12)
5216(11500)	190(1.9)(28)	145(1.45)(21)	120(1.2)(17)	105(1.05)(15)	85(0.85)(12)
5443(12000)	220(2.2)(32)	150(1.5)(22)	125(1.25)(18)	105(1.05)(15)	85(0.85)(12)
5670(12500)	250(2.5)(36)	160(1.6)(23)	130(1.3)(19)	105(1.05)(15)	85(0.85)(12)
5897(13000)	260(2.6)(38)	165(1.65)(24)	140(1.4)(20)	105(1.05)(15)	85(0.85)(12)
6123(13500)	280(2.8)(41)	175(1.75)(25)	145(1.45)(21)	105(1.05)(15)	85(0.85)(12)
6350(14000)	300(3.0)(43)	175(1.75)(25)	150(1.5)(22)	110(1.1)(16)	85(0.85)(12)
6577(14500)	320(3.2)(46)	180(1.8)(26)	160(1.6)(23)	120(1.2)(17)	90(0.9)(13)
6804(15000)	—	—	165(1.65)(24)	125(1.25)(18)	95(0.95)(14)
7031(15500)	—	—	180(1.8)(26)	130(1.3)(19)	95(0.95)(14)
7257(16000)	—	—	190(1.9)(28)	140(1.4)(20)	105(1.05)(15)
7484(16500)	—	—	210(2.1)(30)	145(1.45)(21)	110(1.1)(16)
7711(17000)	—	—	215(2.15)(31)	160(1.6)(23)	110(1.1)(16)
7938(17500)	—	—	235(2.35)(34)	175(1.75)(25)	120(1.2)(17)
8165(18000)	—	—	250(2.5)(36)	185(1.85)(27)	125(1.25)(18)
8391(18500)	—	—	—	190(1.9)(28)	125(1.25)(18)
8618(19000)	—	—	—	200(2.0)(29)	130(1.3)(19)
8845(19500)	—	—	—	215(2.15)(31)	130(1.3)(19)
9072(20000)	—	—	—	230(2.3)(33)	140(1.4)(20)
9525(21000)	—	—	—	240(2.4)(35)	150(1.5)(22)
9979(22000)	—	—	—	—	160(1.6)(23)

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Tire Load Rating

The tire industry uses a number called “load index” to define a load rating of a tire. This chart lists, for a given load index maximum amount of weight that can be supported by each tire at manufacturer’s rated pressure.

For tractors equipped with duals, load carrying capacity per tire is reduced.

IMPORTANT: Tire load capacity may exceed allowable axle loading. Tractor should be ballasted according to engine power and weight split guidelines. See Performance Ballasting Section for more information.

Tire Load Index	Maximum Load per Tire-Singles	Maximum Load per Tire-Duals
137	2300 kg (5071 lbs)	2024 kg (4462 lbs)
141	2575 kg (5677 lbs)	2266 kg (4996 lbs)
142	2650 kg (5842 lbs)	2332 kg (5141 lbs)
143	2725 kg (6008 lbs)	2398 kg (5287 lbs)
144	2800 kg (6173 lbs)	2464 kg (5432 lbs)
145	2900 kg (6393 lbs)	2552 kg (5627 lbs)
146	3000 kg (6614 lbs)	2640 kg (5820 lbs)
147	3075 kg (6779 lbs)	2706 kg (5966 lbs)
148	3150 kg (6944 lbs)	2772 kg (6111 lbs)
149	3250 kg (7165 lbs)	2860 kg (6305 lbs)
150	3350 kg (7385 lbs)	2948 kg (6499 lbs)
151	3450 kg (7606 lbs)	3036 kg (6693 lbs)
152	3550 kg (7826 lbs)	2948 kg (6887 lbs)
154	3750 kg (8267 lbs)	3300 kg (7275 lbs)
155	3875 kg (8543 lbs)	3410 kg (7518 lbs)
157	4125 kg (9094 lbs)	3630 kg (8003 lbs)
158	4250 kg (9370 lbs)	3740 kg (8246 lbs)
159	4375 kg (9645 lbs)	3850 kg (8488 lbs)
160	4500 kg (9921 lbs)	3960 kg (8730 lbs)
163	4875 kg (10747 lbs)	4290 kg (9457 lbs)
164	5000 kg (11023 lbs)	4400 kg (9700 lbs)
166	5300 kg (11684 lbs)	4664 kg (10282 lbs)
167	5450 kg (12015 lbs)	4796 kg (10573 lbs)
168	5600 kg (12346 lbs)	4928 kg (10864 lbs)
170	6000 kg (13228 lbs)	5280 kg (11641 lbs)
171	6150 kg (13558 lbs)	5412 kg (11931 lbs)
173	6500 kg (14330 lbs)	5720 kg (12610 lbs)
175	6900 kg (15212 lbs)	6072 kg (13386 lbs)
176	7100 kg (15653 lbs)	6248 kg (13775 lbs)
178	7500 kg (16535 lbs)	6600 kg (14551 lbs)
179	7750 kg (17086 lbs)	6820 kg (15036 lbs)

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Tightening Front Wheel Bolts—MFWD

⚠ CAUTION: Avoid the possibility of personal injury. Never operate tractor with loose wheel bolts. Wheel bolts are critical and require retightening.

NOTE: Both inner and outer bolt patterns of disk have one **tight fit** hole and one **slot fit** hole 180° from each other, for improved wheel centering.

IMPORTANT: Front duals are not approved or recommended for use with standard MFWD and/or TLS™ Plus tractors.

Wheel Disk-to-Rim

1. Install bolt in **tight fit** hole (A) and hand tighten bolt.
2. Install bolt in **slot fit** hole (B) and hand tighten bolt.
3. Install and hand tighten remaining wheel disk-to-rim bolts.
4. Tighten all bolts to specifications.

Specification

Wheel Disk-to-Rim Bolts
8 Position Wheel (M16 Hardware)—Torque.....300 N·m
(225 lb-ft)

NOTE: See *Determining Rim Type* in this section if unsure of hardware size.

IMPORTANT: Carefully follow procedure for tightening wheel bolts. Failure to do so could lead to wheel hub damage.

Wheel Disk-to-Hub (Eight-Position and Two-Position Wheels)

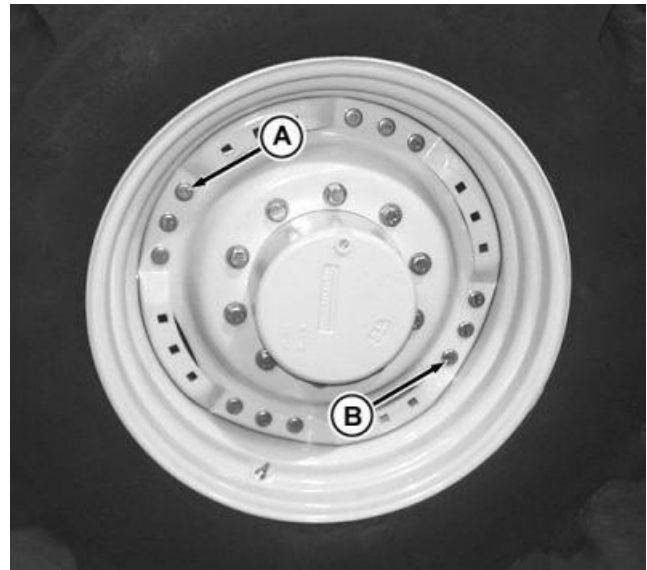
1. Install cap screw in **tight fit** hole (C) and hand tighten cap screw.
2. Install cap screw in **slot fit** hole (D) and hand tighten cap screw.
3. Install and hand tighten remaining wheel disk-to-hub cap screws.
4. Tighten all cap screws to specifications.

Specification

Wheel Disk-to-Hub Bolts—Torque.....600 N·m
(445 lb-ft)

5. Drive tractor 100 m (100 yd) and retighten bolts.
6. Retighten bolts after working **3 HOURS, 10 HOURS,** and **DAILY** for first week of operation and every 500 hours.

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A—Wheel-to-Rim Tight Fit Hole C—Disk-to-Hub Tight Fit Hole
B—Wheel-to-Rim Slot Fit Hole D—Disk-to-Hub Slot Fit Hole

IMPORTANT: Carefully follow procedure for tightening wheel bolts. Failure to do so could lead to wheel hub damage.

RW26463 —UN—14AUG99

RW26464 —UN—25AUG99

T084419,000016A -19-11MAR13-1/1

Checking Toe-In (MFWD and TLS™ Plus Axles)

1. Make sure tires are in straight forward position by driving tractor in a straight line for at least 15.24 m (50 ft).
2. Verify equal lengths of steering cylinder are showing on either side of tractor.
3. Measure distance between centerline of tires at hub level in front of axle, using an outside bar of each tire or an inside bar of each tire. Mark point that is measured.
4. Move tractor forward until front tires are rotated 180°.
5. Repeat Step 3 at rear of tire, at same point.
6. Determine difference between front and rear measurements. Difference may be in either direction (toe-in or toe-out), but should be adjusted to + or -3 mm (1/8 in.). Setting toe-in as close to 0 as possible



RXA0110374—UN—13SEP10

will provide least amount of tire wear on hard surfaced roads.

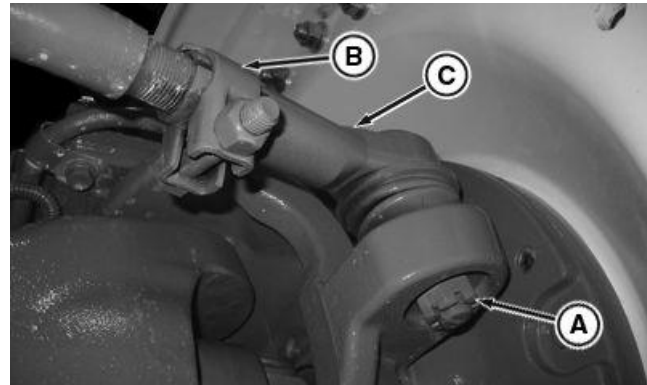
T084419,000016B -19-06MAY13-1/1

Adjusting Toe-In (MFWD and TLS™ Plus Axles)

1. Check to make sure axle is centered.
2. Loosen clamp nut (B) on right or left side of tie rod.
3. Remove pin and nut (A).
4. Remove tie rod end (C) from wheel hub housing.

NOTE: Setting toe-in to + or -3 mm (1/8 in.) will provide least amount of tire wear on hard surfaced roads.

5. Rotate tie rod end (C) as necessary to obtain toe-in or toe-out less than specifications. Each turn equals approximately 3 mm (1/8 in.) change.



A—Nut and Pin
B—Clamp Nut

C—Tie Rod End

RXA0113529—UN—11FEB11

NOTE: Clamp cap screw threads should point to front of tractor.

Specification

Toe-in or Toe-out—Distance..... + or -3 mm (1/8 in.)

6. Tighten each nut to specifications.

Specification

Tie-Rod Clamp Nut—Torque..... 162 N·m (120 lb-ft)

T084419,000016C -19-04SEP13-1/1

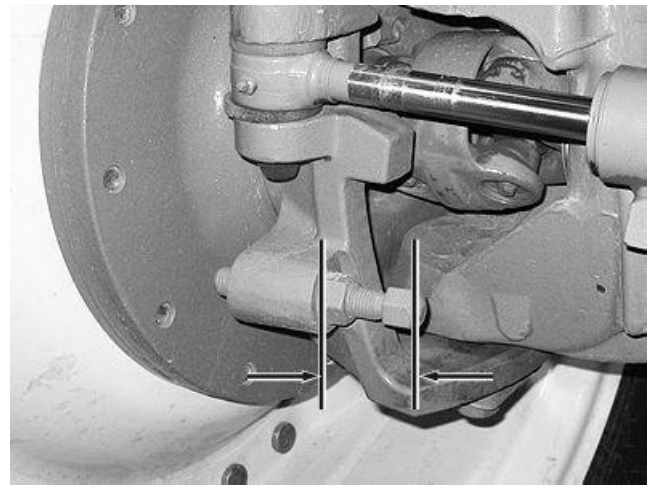
Setting Steering Stop Positions

IMPORTANT: These settings allow 20 mm (0.79 in.) minimum clearance at maximum turn and full axle oscillation. Check for interference with front weights, tie rods, and side frames. If equipped, fenders may deflect against side frame, and/or grille screen during full turn. A minimized turn radius may be obtained by utilizing a shorter stop position.

1. Adjust fenders (if equipped) and tread settings before setting steering stop positions.
2. Select correct steering stop position for tire size and tread setting. See following charts.
3. Set steering stops to correct position by measuring bolt length, as illustrated.
4. Tighten steering stop retaining nuts to specifications.

Specification	
Steering Stop Retaining Nuts—Torque.....	250 N·m (185 lb-ft)

5. Turn steering wheel fully to the right. Impact knuckle housing to steering stop five times. Repeat for left side.
6. Retighten steering stop retaining nuts to specifications.
7. Verify clearance by turning steering wheel fully to the left and then to the right.



RXA0109356—UN—10AUG10

STEERING STOP POSITIONS		
Position	Turn Angle	Bolt Length (MFWD and TLS™ Plus Axle) mm (in.)
0	52°	47 (1.85)
1	47°	60 (2.36)
2	42°	73 (2.87)
3	38°	87 (3.43)
4	34°	98 (3.86)
5	30°	109 (4.29)
6	25°	123 (4.84)

NOTE: Settings listed are approximate, due to variations in tire size. Proper steering stop setting is obtained when the tire is 20 mm (0.79 in.) away from frame or side panels, when axle is fully oscillated.

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TO84419.000016D -19-11MAR13-1/1

P
R
O
O
F

Eight-Position MFWD Wheel Settings

NOTE: A through H are used for all tires 480 mm (18.9 in.) or smaller.

Tread settings are measured at bottom center line of tire.

Use diagram at the right to adjust rim and disk, to obtain a desired tread setting for all tires 480 mm (18.9 in.) or smaller.

Using a star shaped pattern, torque disk to rim bolts as needed to maintain torque.

Specification

Disk to Rim
Bolts—Torque..... 310 N·m (230 lb-ft)

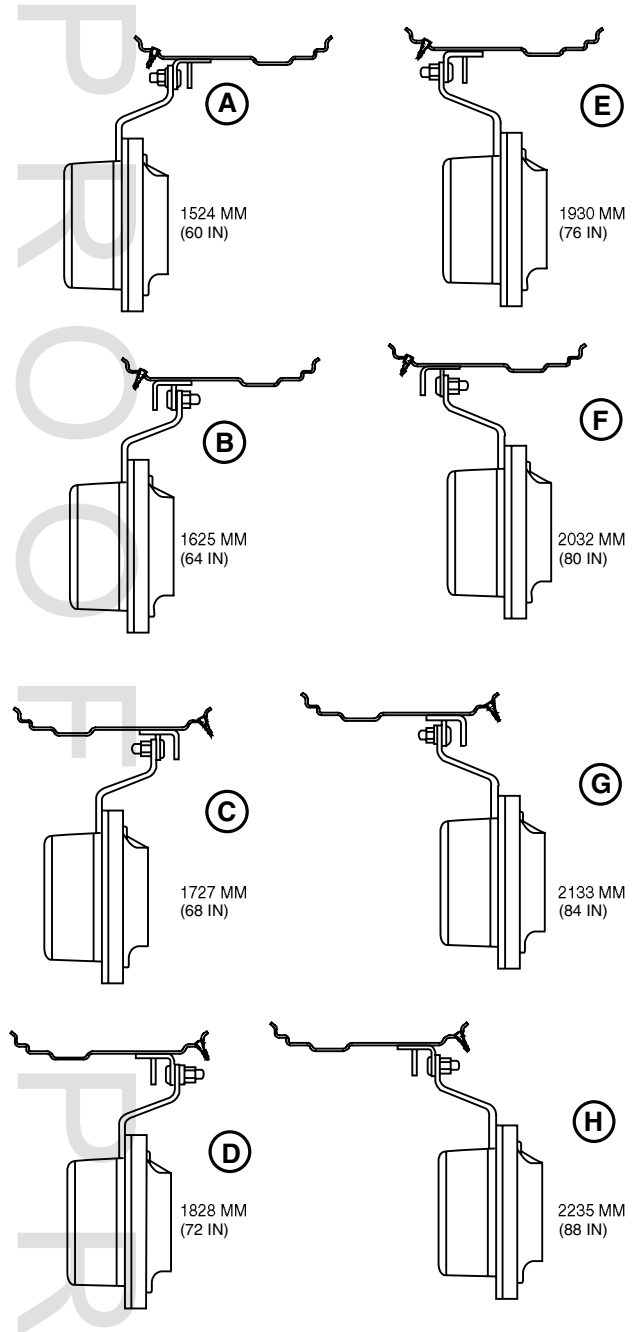
Specification

Disk to Hub
Nuts—Torque..... 600 N·m (450 lb-ft)

Retighten bolts after working **3 HOURS**, **10 HOURS**, and **DAILY** for the first week of operation and then every 250 hours.

IMPORTANT: Carefully follow procedure for tightening wheel bolts. Failure to do so could lead to wheel hub damage.

Adjust fenders and steering stops as required using the tables and diagrams on the following pages.



Continued on next page

TO84419,000016E -19-11MAR13-1/2

RX-A0089742—UN—05JUL06

NOTE: I through P are used for 540, 600, and 620 sized tires.

Tread settings are measured at bottom center line of tire.

Use diagram at the right to adjust rim and disk, to a desired tread setting for 540, 600, and 620 sized tires.

Using a star shaped pattern, torque disk to rim bolts as needed to maintain torque.

Specification

Disk to Rim
Bolts—Torque..... 310 N·m (230 lb-ft)

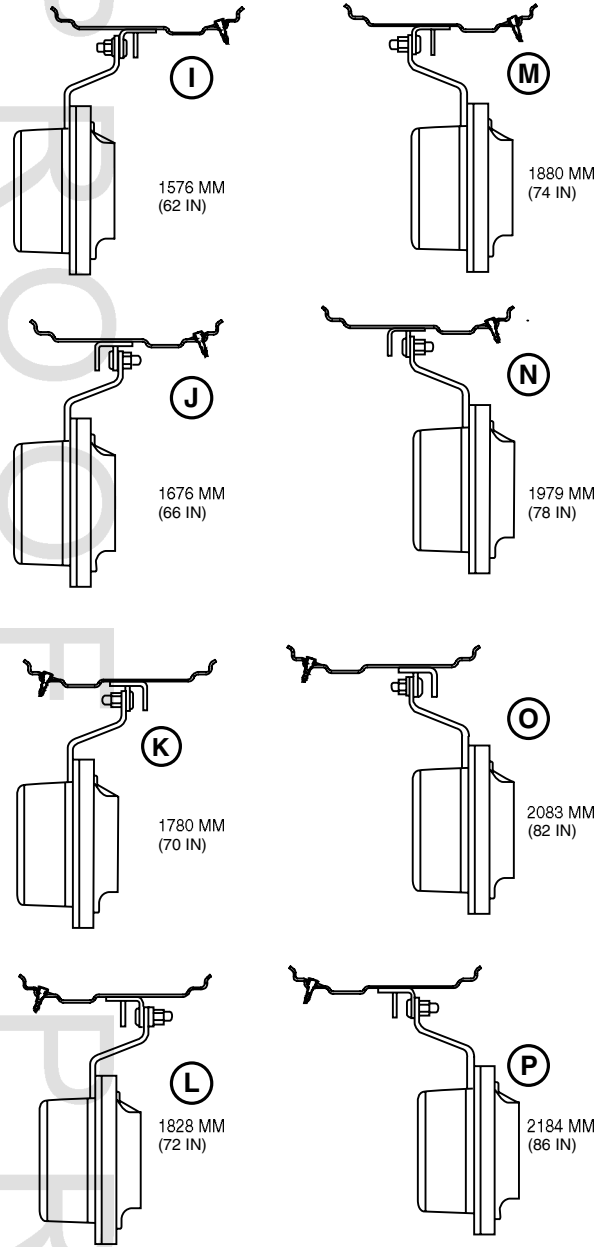
Specification

Disk to Hub
Nuts—Torque..... 600 N·m (450 lb-ft)

Retighten bolts after working **3 HOURS, 10 HOURS,** and **DAILY** for the first week of operation and then every 250 hours.

IMPORTANT: Carefully follow procedure for tightening wheel bolts. Failure to do so could lead to wheel hub damage.

Adjust fenders and steering stops as required using the tables and diagrams on the following pages.



Wheel Positions For MFWD and TLS™ Plus Axles

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RX40069743—UN—05.JUL06

TO84419,000016E -19-11MAR13-22

710 mm Extra Wide Deluxe Pivoting Front Fenders

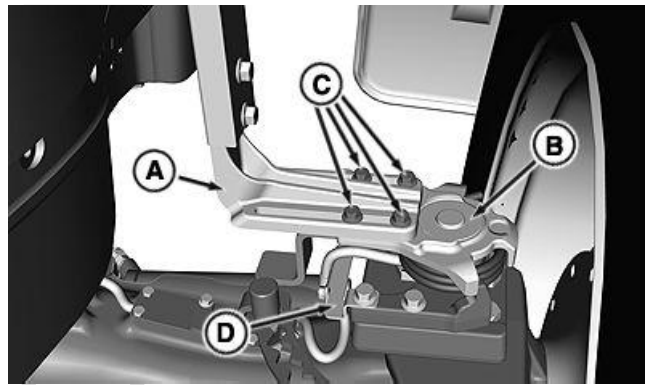
1. Install fender assembly (A) to pivot assembly (B) using four 19M7786 cap screws (C).

NOTE: Position fender assembly in middle position for initial setup.

2. Tighten cap screws to harness bracket (D) to specifications.

Specification

Fender Position to Pivot
 Assembly—Torque..... 70 N·m (52 lb-ft)



A—Fender Assembly
 B—Pivot Assembly

C—Cap Screws
 D—Harness Bracket

RXA0128084 —UN—25APR12

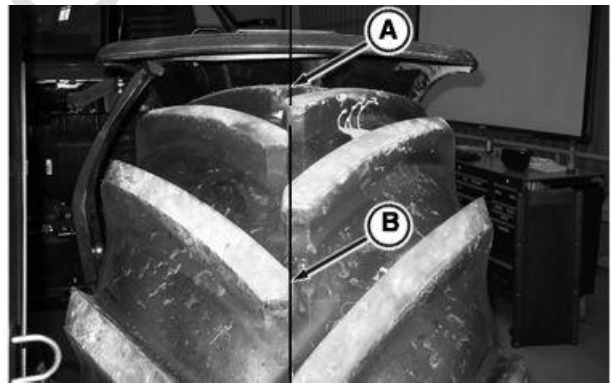
TO84419,000016F -19-04SEP13-1/1

Final Fender Positioning

NOTE: Height can be positioned per customer preference.

1. Position fender so that center of fender (A) is in line with tire center (B) as shown.
2. Torque all cap screws.
3. Verify fender clearance by turning steering wheel to left stop and right stop.

A— Fender Center Line B— Tire Center Line



RXA0127363 —UN—31JUL12

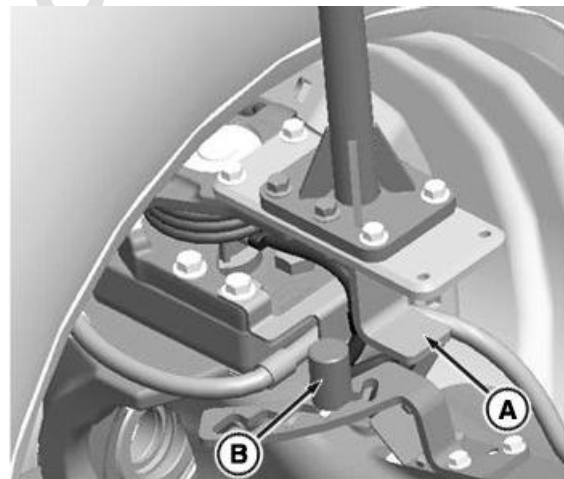
TO84419,0000170 -19-11MAR13-1/1

MFWD Fender Settings—Deluxe Pivoting Fenders

Bracket Positions

The bracket (A) that contacts fender stop (B) can be replaced as it wears.

A—Bracket B—Stop

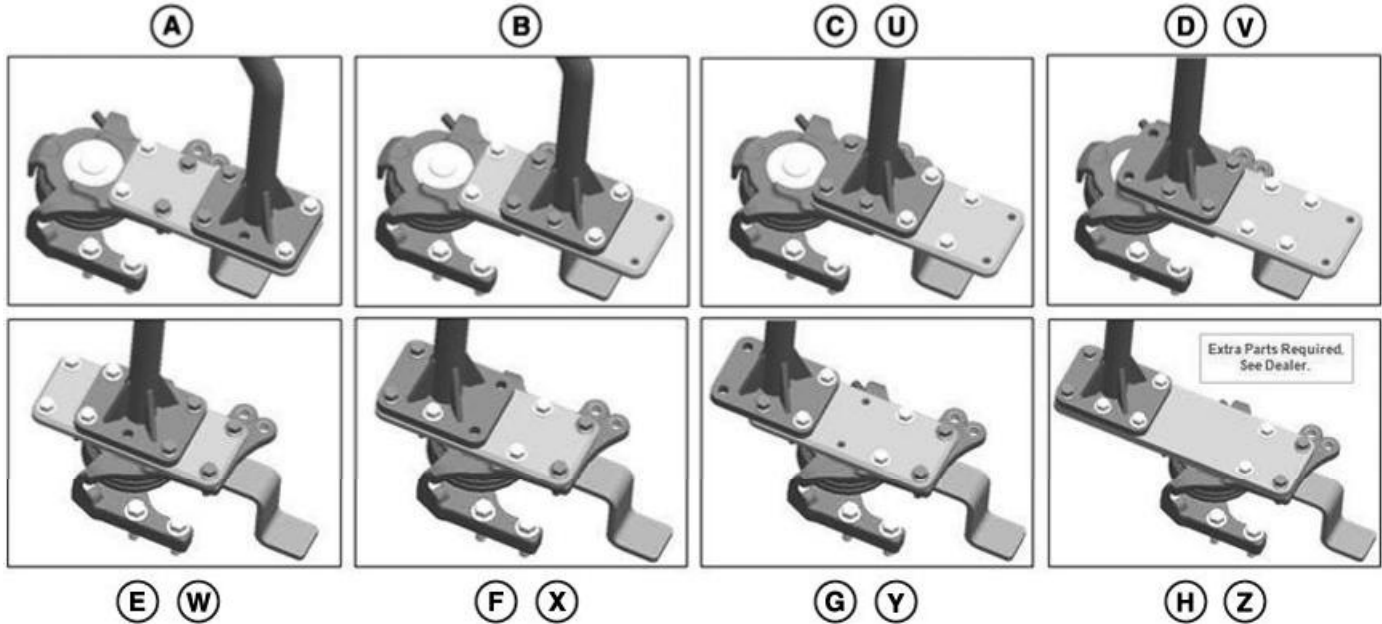


RXA0132028 —UN—12APR13

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TO84419,0000171 -19-12APR13-1/4

To prevent damage to fender by contact with wheel or hood, place fender bracket and fender stopper in recommended positions.



NOTE: The following positions are only recommendations. Depending on tire size, fender size, and steering stop

position, fenders may need additional adjustment from recommended positions listed above.

TO84419,0000171 -19-12APR13-2/4

RXA0132025 —UN—12APR13

Stopper Positions

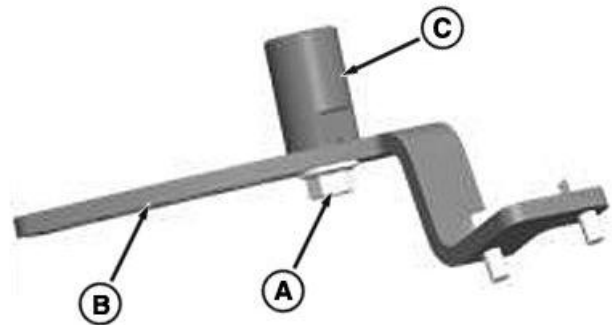
NOTE: The following positions are only recommendations. Depending on tire size, fender size, and steering stop position, fenders may need additional adjustment from recommended positions listed below.

Insert cap screw (A) into bracket (B). Screw on stopper (C) from above.

Stopper (C) can be replaced as it wears.

Some adjustment may be necessary if fender contacts hood on tight turns. Move stopper (C) towards axle, from G position to A position, to move fender further away from hood.

Some adjustment may be necessary if tire contacts fender on tight turns. Move stopper (C) away from axle, from A position to G position, to move fender further away from tire.



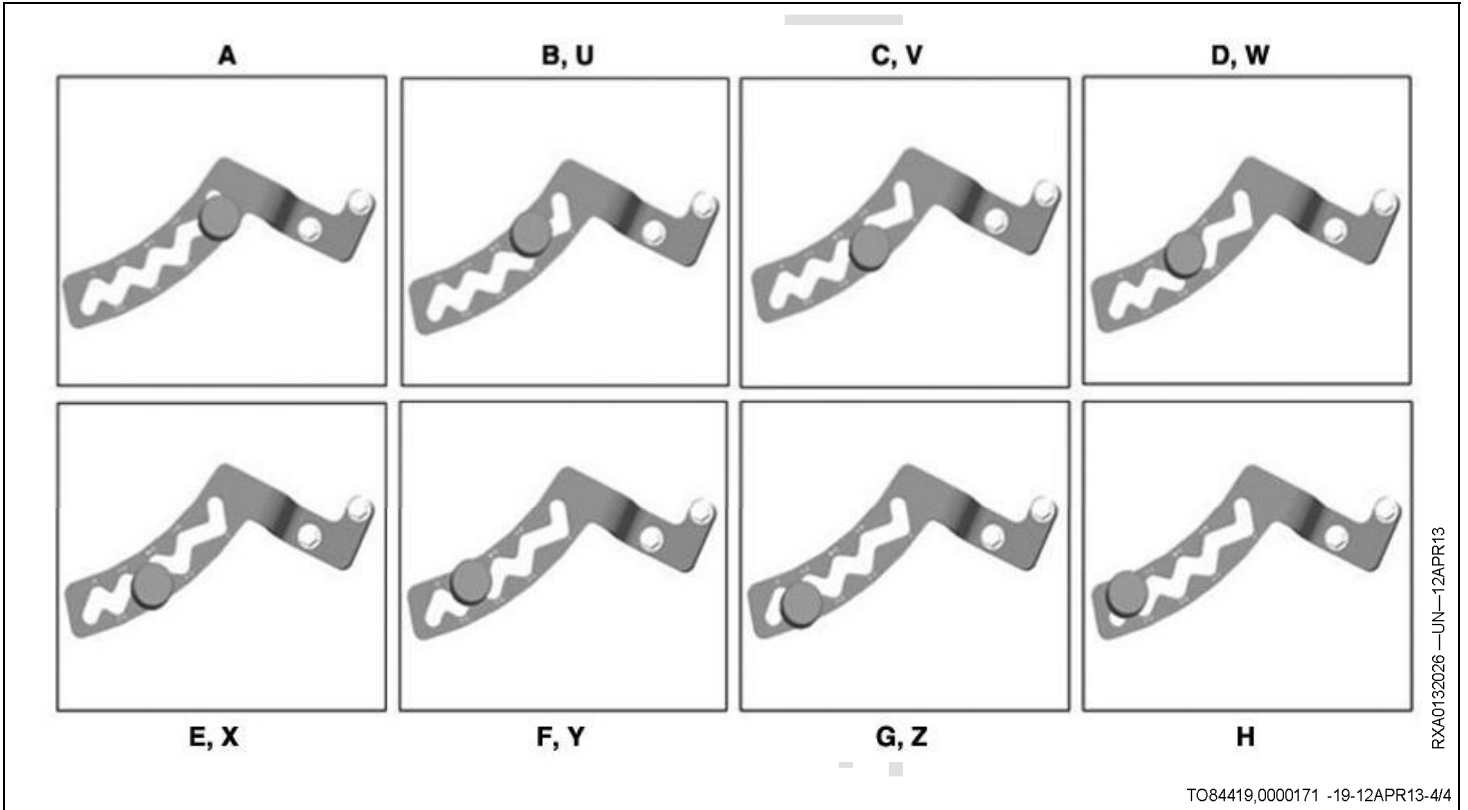
A—Cap Screw
B—Bracket

C—Stopper

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TO84419,0000171 -19-12APR13-3/4

RXA0132027 —UN—12APR13



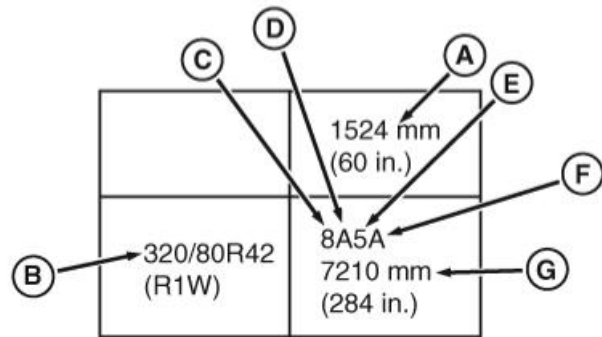
Front Tire, Fender, and Steering Stop Settings Table Explanation

NOTE: This explains tables on next several pages.

First row across top of page lists tread spacing (A) in millimeters and inches.

Column one lists tire size (B).

First number (C) in column two identifies that an eight-position rim is used. First letter (D) indicates which diagram to follow from Eight-Position MFWD Wheel Settings. Next number (E) indicates what steering stop position to use from Setting Steering Stop Positions located in this section. Next letter (F) is bracket position and stopper position setting, which are taken from MFWD Fender Settings—Deluxe Pivoting Fenders located in this section. Last two entries indicate turning radius (G) in millimeters and inches.



- A—Tread Spacing
- B—Tire Size
- C—Eight-Position Rim
- D—Tread Setting

- E—Steering Stop
- F—Bracket and Stopper Settings
- G—Turning Radius

TO84419,0000172 -19-05AUG13-1/1

RXA0134419 —UN—05AUG13

1150/1300 MFWD Axles, Tire, Fender, and Steering Stop Settings

NOTE: Further adjustment is necessary if tire or fender contacts tractor on wide turns. Model 7210R has the option of the 1150 or 1300 axle, all other models have the 1300 axle.

NOTE: 7R Series Tractors have 9° oscillation on all rigid front axles when manufactured. 5° oscillation stops

can be ordered through a dealer and installed on rigid front axles with 9° to offer better turning radius by limiting axle oscillation and the potential for tractor/tire contact. TLS front axle has 9° oscillation and is not adjustable.

1150/1300 MFWD Axles, With 9° Oscillation Stops, Tire, Fender, and Steering Stop Settings							
Tire Size	1524 mm (60 in.)	1575 mm (62 in.)	1626 mm (64 in.)	1676 mm (66 in.)	1727 mm (68 in.)	1778 mm (70 in.)	1829 mm (72 in.)
320/80R42	8A5A 7210 mm 284 in.	Not Available	8B4B 6641 mm 261 in.	Not Available	8C3C ^a 6204 mm 244 in.	Not Available	8D2D ^b 5860 mm 231 in.
320/85R38	8A4B 6550 mm 258 in.	Not Available	8B3B 6114 mm 241 in.	Not Available	8C2C 5772 mm 227 in.	Not Available	8D1E 5414 mm 213 in.
380/80R38	Not Available	Not Available	Not Available	Not Available	8C5C ^a 7396 mm 291 in.	Not Available	8D4D ^a 6824 mm 269 in.
380/85R34	8A5A 7210 mm 284 in.	Not Available	8B4B 6641 mm 261 in.	Not Available	8C3C ^a 6204 mm 244 in.	Not Available	8D2D ^b 5860 mm 231 in.
420/85R34	8A6A 8327 mm 328 in.	Not Available	8B5B ^c 7303 mm 288 in.	Not Available	8C3C ^a 6204 mm 244 in.	Not Available	8D2D ^b 5860 mm 231 in.
420/90R30	8A6A 8327 mm 328 in.	Not Available	8B4B 6641 mm 261 in.	Not Available	8C3C ^a 6204 mm 244 in.	Not Available	8D2D ^b 5860 mm 231 in.
16.9R30	8A6A 8327 mm 328 in.	Not Available	8B5B ^c 7303 mm 288 in.	Not Available	8C4C ^a 6732 mm 265 in.	Not Available	8D2D ^b 5860 mm 231 in.
480/70R30	8A6A 8327 mm 328 in.	Not Available	8B5A 7303 mm 288 in.	Not Available	8C4B 6732 mm 265 in.	Not Available	8D2C 5860 mm 231 in.
480/70R34	Not Available	Not Available	8B5A 7303 mm 288 in.	Not Available	8C4B 6732 mm 265 in.	Not Available	8D3C 6294 mm 248 in.
540/65R30	Not Available	8I6A 8375 mm 330 in.	Not Available	8J4B 6871 mm 263 in.	Not Available	8K3B 6249 mm 246 in.	Not Available
540/65R34	Not Available	Not Available	Not Available	8J5A 7350 mm 289 in.	Not Available	8K4B 6778 mm 267 in.	Not Available
600/65R28	Not Available	Not Available	Not Available	Not Available	Not Available	8K4B 6778 mm 267 in.	Not Available
600/70R30	Not Available	Not Available	Not Available	Not Available	Not Available	8K5A 7443 mm 293 in.	Not Available
IF600/70R30	Not Available	Not Available	Not Available	Not Available	Not Available	8K5A 7443 mm 293 in.	Not Available

^aWide fenders use position B.
^bWide fenders use position C.
^cWide fenders use position A.

Front Wheels, Tires, and Treads

1150/1300 MFWD Axles, With 9° Oscillation Stops, Tire, Fender, and Steering Stop Settings Continued								
Tire Size	1880 mm (74 in.)	1930 mm (76 in.)	1981 mm (78 in.)	2032 mm (80 in.)	2083 mm (82 in.)	2133 mm (84 in.)	2184 mm (86 in.)	2235 mm (88 in.)
320/80R42	Not Available	8E1E 5500 mm 217 in.	Not Available	8F0F 5215 mm 205 in.	Not Available	8G0G ^a 5299 mm 209 in.	Not Available	8H0H 5384 mm 212 in.
320/85R38	Not Available	8E0F 5131 mm 202 in.	Not Available	8F0F 5215 mm 205 in.	Not Available	8G0G ^a 5299 mm 209 in.	Not Available	8H0G 5384 mm 212 in.
380/80R38	Not Available	8E3E ^b 6384 mm 251 in.	Not Available	8F2F ^c 6037 mm 238 in.	Not Available	8G1G ^a 5673 mm 223 in.	Not Available	8H0H 5384 mm 212 in.
380/85R34	Not Available	8E1E 5500 mm 217 in.	Not Available	8F0F 5215 mm 205 in.	Not Available	8G0G ^a 5299 mm 209 in.	Not Available	8H0G 5384 mm 212 in.
420/85R34	Not Available	8E2E ^b 5948 mm 234 in.	Not Available	8F0F 5215 mm 205 in.	Not Available	8G0G ^a 5299 mm 209 in.	Not Available	8H0H 5384 mm 212 in.
420/90R30	Not Available	8E1E 5500 mm 217 in.	Not Available	8F0F 5215 mm 205 in.	Not Available	8G0G ^a 5299 mm 209 in.	Not Available	8H0H 5384 mm 212 in.
16.9R30	Not Available	8E2E ^d 5948 mm 234 in.	Not Available	8F1F ^c 5587 mm 220 in.	Not Available	8G0G ^a 5299 mm 209 in.	Not Available	8H0H 5384 mm 212 in.
480/70R30	Not Available	8E1E 5500 mm 217 in.	Not Available	8F0F 5215 mm 205 in.	Not Available	8G0F 5299 mm 209 in.	Not Available	8H0G 5384 mm 212 in.
480/70R34	Not Available	8E2D 5948 mm 234 in.	Not Available	8F1E 5587 mm 220 in.	Not Available	8G0F 5299 mm 209 in.	Not Available	8H0H 5384 mm 212 in.
540/65R30	8M2C 5904 mm 232 in.	Not Available	8N1E 5543 mm 218 in.	Not Available	8O0F 5257 mm 207 in.	Not Available	8P0F 5342 mm 210 in.	Not Available
540/65R34	8M3C 6339 mm 250 in.	Not Available	8N2D 5992 mm 236 in.	Not Available	8O1F 5630 mm 222 in.	Not Available	8P0F 5342 mm 210 in.	Not Available
600/65R28	8M3C 6339 mm 250 in.	Not Available	8N2D 5992 mm 236 in.	Not Available	8O1E 5630 mm 222 in.	Not Available	8P0F 5342 mm 210 in.	Not Available
600/70R30	8M4B 6870 mm 270 in.	Not Available	8N3C 6429 mm 253 in.	Not Available	8O2E 6081 mm 239 in.	Not Available	8P1F 5717 mm 225 in.	Not Available
IF600/70R30	8M4B 6870 mm 270 in.	Not Available	8N3C 6429 mm 253 in.	Not Available	8O2E 6081 mm 239 in.	Not Available	8P1F 5717 mm 225 in.	Not Available

^aWide fenders use position F.

^bWide fenders use position C.

^cWide fenders use position E.

^dWide fenders use position D.

1150/1300 MFWD Axles, With 5° Oscillation Stops, Tire, Fender, and Steering Stop Settings							
Tire Size	1524 mm (60 in.)	1575 mm (62 in.)	1626 mm (64 in.)	1676 mm (66 in.)	1727 mm (68 in.)	1778 mm (70 in.)	1829 mm (72 in.)
320/80R42	8A5A 7210 mm 284 in.	Not Available	8B4B 6641 mm 261 in.	Not Available	8C2C 5772 mm 227 in.	Not Available	8D2D ^a 5860 mm 231 in.
320/85R38	8A4B 6550 mm 258 in.	Not Available	8B3B 6114 mm 241 in.	Not Available	8C2C 5772 mm 227 in.	Not Available	8D1E 5414 mm 213 in.
380/80R38	8A6A 8327 mm 328 in.	Not Available	8B4B 6641 mm 261 in.	Not Available	8C3C ^b 6204 mm 244 in.	Not Available	8D2D ^a 5860 mm 231 in.
380/85R34	8A5A 7210 mm 284 in.	Not Available	8B4B 6641 mm 261 in.	Not Available	8C2C 5772 mm 227 in.	Not Available	8D1D 5414 mm 213 in.

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TO84419,0000173 -19-04SEP13-2/4

Front Wheels, Tires, and Treads

1150/1300 MFWD Axles, With 5° Oscillation Stops, Tire, Fender, and Steering Stop Settings							
Tire Size	1524 mm (60 in.)	1575 mm (62 in.)	1626 mm (64 in.)	1676 mm (66 in.)	1727 mm (68 in.)	1778 mm (70 in.)	1829 mm (72 in.)
420/85R34	8A6A 8327 mm 328 in.	Not Available	8B5B ^c 7303 mm 288 in.	Not Available	8C3C ^b 6204 mm 244 in.	Not Available	8D2D ^a 5860 mm 231 in.
420/90R30	8A5A 7210 mm 284 in.	Not Available	8B4B 6641 mm 261 in.	Not Available	8C3C ^b 6204 mm 244 in.	Not Available	8D2D ^a 5860 mm 231 in.
16.9R30	8A6A 8327 mm 328 in.	Not Available	8B5B 7303 mm 288 in.	Not Available	8C3C ^b 6204 mm 244 in.	Not Available	8D2D ^a 5860 mm 231 in.
480/70R30	8A6A 8327 mm 328 in.	Not Available	8B5A 7303 mm 288 in.	Not Available	8C3B 6204 mm 244 in.	Not Available	8D2C 5860 mm 231 in.
480/70R34	Not Available	Not Available	8B5A 7303 mm 288 in.	Not Available	8C4B 6732 mm 265 in.	Not Available	8D3C 6294 mm 248 in.
540/65R30	Not Available	8I6A 8375 mm 330 in.	Not Available	8J4B 6687 mm 263 in.	Not Available	8K3B 6249 mm 246 in.	Not Available
540/65R34	Not Available	Not Available	Not Available	8J5A 7350 mm 289 in.	Not Available	8K4B 6778 mm 267 in.	Not Available
600/65R28	Not Available	Not Available	Not Available	Not Available	Not Available	8K4B 6778 mm 267 in.	Not Available
600/70R30	Not Available	Not Available	Not Available	Not Available	Not Available	8K5A 7443 mm 293 in.	Not Available
IF600/70R30	Not Available	Not Available	Not Available	Not Available	Not Available	8K5A 7443 mm 293 in.	Not Available

^aWide fenders use position C.

^bWide fenders use position B.

^cWide fenders use position A.

1150/1300 MFWD Axles, With 5° Oscillation Stops, Tire, Fender, and Steering Stop Settings Continued								
Tire Size	1880 mm (74 in.)	1930 mm (76 in.)	1981 mm (78 in.)	2032 mm (80 in.)	2083 mm (82 in.)	2133 mm (84 in.)	2184 mm (86 in.)	2235 mm (88 in.)
320/80R42	Not Available	8E1E 5500 mm 217 in.	Not Available	8F0F 5215 mm 205 in.	Not Available	8G0G ^a 5299 mm 209 in.	Not Available	8H0H ^a 5384 mm 212 in.
320/85R38	Not Available	8E0F 5131 mm 202 in.	Not Available	8F0F 5215 mm 205 in.	Not Available	8G0G ^a 5299 mm 209 in.	Not Available	8H0G ^a 5384 mm 212 in.
380/80R38	Not Available	8E1E 5500 mm 217 in.	Not Available	8F1F 5587 mm 220 in.	Not Available	8G0G ^a 5299 mm 209 in.	Not Available	8H0H ^a 5384 mm 212 in.
380/85R34	Not Available	8E1E 5500 mm 217 in.	Not Available	8F0F 5215 mm 205 in.	Not Available	8G0G ^a 5299 mm 209 in.	Not Available	8H0G ^a 5384 mm 212 in.
420/85R34	Not Available	8E2E ^b 5948 mm 234 in.	Not Available	8F0F 5215 mm 205 in.	Not Available	8G0G ^a 5299 mm 209 in.	Not Available	8H0H ^a 5384 mm 212 in.
420/90R30	Not Available	8E1E 5500 mm 217 in.	Not Available	8F0F 5215 mm 205 in.	Not Available	8G0G ^a 5299 mm 209 in.	Not Available	8H0H ^a 5384 mm 212 in.
16.9R30	Not Available	8E1E 5500 mm 217 in.	Not Available	8F1F ^c 5587 mm 220 in.	Not Available	8G0G ^a 5299 mm 209 in.	Not Available	8H0H ^a 5384 mm 212 in.
480/70R30	Not Available	8E1E 5500 mm 217 in.	Not Available	8F0F 5215 mm 205 in.	Not Available	8G0F 5299 mm 209 in.	Not Available	8H0F 5384 mm 212 in.

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Front Wheels, Tires, and Treads

1150/1300 MFWD Axles, With 5° Oscillation Stops, Tire, Fender, and Steering Stop Settings Continued

Tire Size	1880 mm (74 in.)	1930 mm (76 in.)	1981 mm (78 in.)	2032 mm (80 in.)	2083 mm (82 in.)	2133 mm (84 in.)	2184 mm (86 in.)	2235 mm (88 in.)
480/70R34	Not Available	8E2D 5948 mm 234 in.	Not Available	8F1E 5587 mm 220 in.	Not Available	8G0F 5299 mm 209 in.	Not Available	8H0- ^d 5384 mm 212 in.
540/65R30	8M2C 5904 mm 232 in.	Not Available	8N1E 5543 mm 218 in.	Not Available	8O0F 5257 mm 207 in.	Not Available	8P0F 5342 mm 210 in.	Not Available
540/65R34	8M3C 6339 mm 250 in.	Not Available	8N2D 5992 mm 236 in.	Not Available	8O1F 5630 mm 222 in.	Not Available	8P0F 5342 mm 210 in.	Not Available
600/65R28	8M3C 6339 mm 250 in.	Not Available	8N2D 5992 mm 236 in.	Not Available	8O1E 5630 mm 222 in.	Not Available	8P0F 5342 mm 210 in.	Not Available
600/70R30	8M4B 6870 mm 270 in.	Not Available	8N2C 5992 mm 236 in.	Not Available	8O2E 6081 mm 239 in.	Not Available	8P1F 5717 mm 225 in.	Not Available
IF600/70R30	8M4B 6870 mm 270 in.	Not Available	8N2C 5992 mm 236 in.	Not Available	8O2E 6081 mm 239 in.	Not Available	8P1F 5717 mm 225 in.	Not Available

^aWide fenders use position F.

^bWide fenders use position C.

^cWide fenders use position E.

^dFender not compatible with this setting

NOTE: Further adjustment is necessary if tire or fender contacts tractor on wide turns.

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PROOF

TLS™ Plus Axle Tire, Fender, and Steering Stop Settings

NOTE: Further adjustment may be necessary if tire or fender contacts tractor on wide turns.

TLS™ Plus Front Tire, Fender, and Steering Stop Settings							
Tire Size	1524 mm (60 in.)	1575 mm (62 in.)	1626 mm (64 in.)	1676 mm (66 in.)	1727 mm (68 in.)	1778 mm (70 in.)	1829 mm (72 in.)
320/80R42	8A5A 7210 mm 284 in.	Not Available	8B4B 6641 mm 261 in.	Not Available	8C3C ^a 6204 mm 244 in.	Not Available	8D2D ^b 5860 mm 231 in.
320/85R38	8A5A 7210 mm 284 in.	Not Available	8B3B 6114 mm 241 in.	Not Available	8C2C 5772 mm 227 in.	Not Available	8D1E 5414 mm 213 in.
380/80R38	Not Available	Not Available	8B5B ^c 7303 mm 288 in.	Not Available	8C4C ^a 6732 mm 265 in.	Not Available	8D3D ^a 6294 mm 248 in.
380/80R42	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
380/85R34	8A5A 7210 mm 284 in.	Not Available	8B4B 6641 mm 261 in.	Not Available	8C3C ^a 6204 mm 244 in.	Not Available	8D2D ^b 5860 mm 231 in.
420/85R34	8A6A 8327 mm 328 in.	Not Available	8B5B ^c 7303 mm 288 in.	Not Available	8C4C ^a 6732 mm 265 in.	Not Available	8D3D ^b 6294 mm 248 in.
420/85R38	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
420/90R30	8A6A 8327 mm 328 in.	Not Available	8B5B ^c 7303 mm 288 in.	Not Available	8C3C ^a 6204 mm 244 in.	Not Available	8D2D ^b 5860 mm 231 in.
16.9R30	8A6A 8327 mm 328 in.	Not Available	8B5B ^c 7303 mm 288 in.	Not Available	8C4C ^a 6732 mm 265 in.	Not Available	8D3D ^b 6294 mm 248 in.
480/70R30	8A6A 8327 mm 328 in.	Not Available	8B5A 7303 mm 288 in.	Not Available	8C4B 6732 mm 265 in.	Not Available	8D2C 5860 mm 231 in.
480/70R34	Not Available	Not Available	8B6A 8423 mm 332 in.	Not Available	8C5B 7396 mm 291 in.	Not Available	8D3C 6294 mm 248 in.
540/65R30	Not Available	Not Available	Not Available	8J5A 7350 mm 289 in.	Not Available	8K3B 6249 mm 246 in.	Not Available
540/65R34	Not Available	Not Available	Not Available	8J6A 8470 mm 333 in.	Not Available	8K4B 6778 mm 267 in.	Not Available
540/75R34	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
600/65R28	Not Available	Not Available	Not Available	Not Available	Not Available	8K4B 6778 mm 267 in.	Not Available
600/70R30	Not Available	Not Available	Not Available	Not Available	Not Available	8K5B 7443 mm 293 in.	Not Available
IF600/70R30	Not Available	Not Available	Not Available	Not Available	Not Available	8K5B 7443 mm 293 in.	Not Available
620/75R30	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
IF620/75R30	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

^aWide fenders use position B.

^bWide fenders use position C.

^cWide fenders use position A.

Continued on next page

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Front Wheels, Tires, and Treads

TLS™ Plus Front Tire, Fender, and Steering Stop Settings Continued

Tire Size	1880 mm (74 in.)	1930 mm (76 in.)	1981 mm (78 in.)	2032 mm (80 in.)	2083 mm (82 in.)	2133 mm (84 in.)	2184 mm (86 in.)	2235 mm (88 in.)
320/80R42	Not Available	8E1E 5500 mm 217 in.	Not Available	8F1F ^a 5587 mm 220 in.	Not Available	8G0G ^b 5299 mm 209 in.	Not Available	8H0H 5384 mm 212 in.
320/85R38	Not Available	8E0F 5131 mm 202 in.	Not Available	8F0F 5215 mm 205 in.	Not Available	8G0G ^b 5299 mm 209 in.	Not Available	8H0G 5384 mm 212 in.
380/80R42	Not Available	8E5W ^c 7583 mm 299 in.	Not Available	8F4X ^d 7008 mm 276 in.	Not Available	8G3Y ^d 6565 mm 258 in.	Not Available	8H1Z ^e 5761 mm 227 in.
380/80R38	Not Available	8E2E ^f 5948 mm 234 in.	Not Available	8F1F 5587 mm 220 in.	Not Available	8G0G ^a 5299 mm 209 in.	Not Available	8H0H 5384 mm 212 in.
380/85R34	Not Available	8E1E 5500 mm 217 in.	Not Available	8F0F 5215 mm 205 in.	Not Available	8G0G ^b 5299 mm 209 in.	Not Available	8H0G 5384 mm 212 in.
420/85R34	Not Available	8E2E ^f 5948 mm 234 in.	Not Available	8F1F 5587 mm 220 in.	Not Available	8G0G ^a 5299 mm 209 in.	Not Available	8H0H 5384 mm 212 in.
420/85R38	Not Available	8E6W 8709 mm 343 in.	Not Available	8F4X ^d 7008 mm 276 in.	Not Available	8G3Y ^d 6565 mm 258 in.	Not Available	8H2Z ^e 6215 mm 245 in.
420/90R30	Not Available	8E1E 5500 mm 217 in.	Not Available	8F1F ^a 5587 mm 220 in.	Not Available	8G0G ^b 5299 mm 209 in.	Not Available	8H0H 5384 mm 212 in.
16.9R30	Not Available	8E2E ^g 5948 mm 234 in.	Not Available	8F1F ^a 5587 mm 220 in.	Not Available	8G0G ^b 5299 mm 209 in.	Not Available	8H0H 5384 mm 212 in.
480/70R30	Not Available	8E1E 5500 mm 217 in.	Not Available	8F1E 5587 mm 220 in.	Not Available	8G0F 5299 mm 209 in.	Not Available	8H0G 5384 mm 212 in.
480/70R34	Not Available	8E2D 5948 mm 234 in.	Not Available	8F1E 5587 mm 220 in.	Not Available	8G1F 5673 mm 223 in.	Not Available	8H0H 5384 mm 212 in.
540/65R30	8M2C 5904 mm 232 in.	Not Available	8N1E 5543 mm 218 in.	Not Available	8O0F 5257 mm 207 in.	Not Available	8P0F 5342 mm 210 in.	Not Available
540/65R34	8M3C 6339 mm 250 in.	Not Available	8N2D 5992 mm 236 in.	Not Available	8O1F 5630 mm 222 in.	Not Available	8P1F 5717 mm 225 in.	Not Available
540/75R34	Not Available	Not Available	8N6V 8757 mm 345 in.	Not Available	8O5W 7724 mm 304 in.	Not Available	8P3X 6611 mm 260 in.	Not Available
600/65R28	8M3C 6339 mm 250 in.	Not Available	8N2D 5992 mm 236 in.	Not Available	8O1E 5630 mm 222 in.	Not Available	8P0F 5342 mm 210 in.	Not Available
600/70R30	8M4C 6870 mm 270 in.	Not Available	8N3D 6429 mm 253 in.	Not Available	8O2E 6081 mm 239 in.	Not Available	8P1F 5717 mm 225 in.	Not Available
IF600/70R30	8M4C 6870 mm 270 in.	Not Available	8N3D 6429 mm 253 in.	Not Available	8O2E 6081 mm 239 in.	Not Available	8P1F 5717 mm 225 in.	Not Available
620/75R30	Not Available	Not Available	Not Available	Not Available	8O6W 8853 mm 349 in.	Not Available	8P4X 7147 mm 281 in.	Not Available
IF620/75R30	Not Available	Not Available	Not Available	Not Available	8O6W 8853 mm 349 in.	Not Available	8P4X 7147 mm 281 in.	Not Available

^aWide fenders use position E.

^bWide fenders use position F.

^cWide fenders use position V.

^dWide fenders use position W.

^eNot available with wide fenders

^fWide fenders use position C.

Continued on next page

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⁹Wide fenders use position D.

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P
R
O
O
F

P
R
O
O
F

1150/1300 MFWD Axles, With Front Hitch, Tire, Fender, and Steering Stop Settings (If Equipped)

NOTE: Further adjustment is necessary if tire or fender contacts tractor on wide turns. Model 7210R has the option of the 1150 or 1300 axle, all other models have the 1300 axle. If tire size is not listed in the following charts, see 1150/1300 MFWD Axles, Tire, Fender, and Steering Stop Settings in this section.

NOTE: 7R Series Tractors have 9° oscillation on all rigid front axles except for tractors ordered with Group 44 front tires. 5° oscillation stops are installed with Group 44 front tires with rigid 1300 front axle. 5° oscillation stops can be installed on rigid front axles with 9° to offer better turning radius by limiting axle oscillation and the potential for tractor/tire contact. TLS front axle has 9° oscillation and is not adjustable.

1150/1300 MFWD, With 9° Oscillation Stops, With Front Hitch, Front Tire, Fender, and Steering Stop Settings							
Tire Size	1524 mm (60 in.)	1575 mm (62 in.)	1626 mm (64 in.)	1676 mm (66 in.)	1727 mm (68 in.)	1778 mm (70 in.)	1829 mm (72 in.)
320/80R42	8A6A 8327 mm 328 in.	Not Available	8B4B 6641 mm 261 in.	Not Available	8C3C ^a 6204 mm 244 in.	Not Available	8D2D ^b 5860 mm 231 in.
380/80R38	Not Available	Not Available	Not Available	Not Available	8C5C ^c 7396 mm 291 in.	Not Available	8D4D ^a 6824 mm 269 in.
420/85R34	Not Available	Not Available	8B6B ^c 8423 mm 332 in.	Not Available	8C4C ^a 6732 mm 265 in.	Not Available	8D3D ^b 6294 mm 248 in.
480/70R34	Not Available	Not Available	8B6A 8423 mm 332 in.	Not Available	8C4B 6732 mm 265 in.	Not Available	8D3C ^d 6294 mm 248 in.
540/65R34	Not Available	Not Available	Not Available	Not Available	Not Available	8K4B 6778 mm 267 in.	Not Available
600/70R30	Not Available	Not Available	Not Available	Not Available	Not Available	8K6B 8566 mm 337 in.	Not Available
IF600/70R30	Not Available	Not Available	Not Available	Not Available	Not Available	8K6B 8566 mm 337 in.	Not Available

^aWide fenders use position B.

^bWide fenders use position C.

^cWide fenders use position A.

^dFender not compatible with this setting

1150/1300 MFWD, With 9° Oscillation Stops, With Front Hitch, Front Tire, Fender, and Steering Stop Settings Continued								
Tire Size	1880 mm (74 in.)	1930 mm (76 in.)	1981 mm (78 in.)	2032 mm (80 in.)	2083 mm (82 in.)	2133 mm (84 in.)	2184 mm (86 in.)	2235 mm (88 in.)
320/80R42	Not Available	8E1E 5500 mm 217 in.	Not Available	8F0F 5215 mm 205 in.	Not Available	8G0G ^a 5299 mm 209 in.	Not Available	8H0H 5384 mm 212 in.
380/80R38	Not Available	8E3E ^b 6384 mm 251 in.	Not Available	8F2F ^c 6037 mm 238 in.	Not Available	8G1G ^a 5673 mm 223 in.	Not Available	8H0H 5384 mm 212 in.
420/85R34	Not Available	8E2E ^b 5948 mm 234 in.	Not Available	8F1F 5587 mm 220 in.	Not Available	8G0G ^a 5299 mm 209 in.	Not Available	8H0H 5384 mm 212 in.
480/70R34	Not Available	8E2D 5948 mm 234 in.	Not Available	8F1E 5587 mm 220 in.	Not Available	8G0F 5299 mm 209 in.	Not Available	8H0H 5384 mm 212 in.
540/65R34	8M3C 6339 mm 250 in.	Not Available	8N2D 5992 mm 236 in.	Not Available	8O1F 5630 mm 222 in.	Not Available	8P0F 5342 mm 210 in.	Not Available
600/70R30	8M4C 6870 mm 270 in.	Not Available	8N3D 6429 mm 253 in.	Not Available	8O2E 6081 mm 239 in.	Not Available	8P1F 5717 mm 225 in.	Not Available
IF600/70R30	8M4C 6870 mm 270 in.	Not Available	8N3D 6429 mm 253 in.	Not Available	8O2E 6081 mm 239 in.	Not Available	8P1F 5717 mm 225 in.	Not Available

^aWide fenders use position F.

Continued on next page

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Front Wheels, Tires, and Treads

^bWide fenders use position C.

^cWide fenders use position E.

1150/1300 MFWD, With 5° Oscillation Stops, With Front Hitch, Front Tire, Fender, and Steering Stop Settings							
Tire Size	1524 mm (60 in.)	1575 mm (62 in.)	1626 mm (64 in.)	1676 mm (66 in.)	1727 mm (68 in.)	1778 mm (70 in.)	1829 mm (72 in.)
320/80R42	8A5A 7210 mm 284 in.	Not Available	8B4B 6641 mm 261 in.	Not Available	8C2C 5772 mm 227 in.	Not Available	8D2D ^a 5860 mm 231 in.
380/80R38	Not Available	Not Available	8B6B ^b 8423 mm 332 in.	Not Available	8C3C ^c 6204 mm 244 in.	Not Available	8D2D ^a 5860 mm 231 in.
420/85R34	Not Available	Not Available	8B5B ^b 7303 mm 288 in.	Not Available	8C4C ^c 6732 mm 265 in.	Not Available	8D3D ^a 6294 mm 248 in.
480/70R34	Not Available	Not Available	8B5A 7303 mm 288 in.	Not Available	8C4B 6732 mm 265 in.	Not Available	8D3C 6294 mm 248 in.
540/65R34	Not Available	Not Available	Not Available	8J5A 7350 mm 289 in.	Not Available	8K4B 6778 mm 267 in.	Not Available
600/70R30	Not Available	Not Available	Not Available	Not Available	Not Available	8K5B 7443 mm 293 in.	Not Available
IF600/70R30	Not Available	Not Available	Not Available	Not Available	Not Available	8K5B 7443 mm 293 in.	Not Available

^aWide fenders use position C.

^bWide fenders use position A.

^cWide fenders use position B.

1150/1300 MFWD, With 5° Oscillation Stops, With Front Hitch, Front Tire, Fender, and Steering Stop Settings Continued								
Tire Size	1880 mm (74 in.)	1930 mm (76 in.)	1981 mm (78 in.)	2032 mm (80 in.)	2083 mm (82 in.)	2133 mm (84 in.)	2184 mm (86 in.)	2235 mm (88 in.)
320/80R42	Not Available	8E1E 5500 mm 217 in.	Not Available	8F0F 5215 mm 205 in.	Not Available	8G0G ^a 5299 mm 209 in.	Not Available	8H0H ^a 5384 mm 212 in.
380/80R38	Not Available	8E1E 5500 mm 217 in.	Not Available	8F1F 5587 mm 220 in.	Not Available	8G0G ^a 5299 mm 209 in.	Not Available	8H0H ^a 5384 mm 212 in.
420/85R34	Not Available	8E2E ^b 5948 mm 234 in.	Not Available	8F1F 5587 mm 220 in.	Not Available	8G0G ^a 5299 mm 209 in.	Not Available	8H0H ^a 5384 mm 212 in.
480/70R34	Not Available	8E2D 5948 mm 234 in.	Not Available	8F1E 5587 mm 220 in.	Not Available	8G0F 5299 mm 209 in.	Not Available	8H0H 5384 mm 212 in.
540/65R34	8M3C 6339 mm 250 in.	Not Available	8N2D 5992 mm 236 in.	Not Available	8O1F 5630 mm 222 in.	Not Available	8P0F 5342 mm 210 in.	Not Available
600/70R30	8M4C 6870 mm 270 in.	Not Available	8N2D 5992 mm 236 in.	Not Available	8O2E 6081 mm 239 in.	Not Available	8P1F 5717 mm 225 in.	Not Available
IF600/70R30	8M4C 6870 mm 270 in.	Not Available	8N2D 5992 mm 236 in.	Not Available	8O2E 6081 mm 239 in.	Not Available	8P1F 5717 mm 225 in.	Not Available

^aWide fenders use position F.

^bWide fenders use position C.

NOTE: Further adjustment may be necessary if tire or fender contacts tractor on wide turns.

If tire size is not listed in the following charts,
see 1100/1300 MFWD Axles, Tire, Fender, and
Steering Stop Settings in this section.

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TLS™ Plus With Front Hitch Tire, Fender, and Steering Stop Settings (If Equipped)

Further adjustment may be necessary if tire or fender contacts tractor on wide turns.

NOTE: If tire sizes are not listed in the following charts, see TLS™ Plus Axle, Tire, Fender, and Steering Stop Settings in this section.

TLS™ Plus, With Front Hitch, Tire, Fender, and Steering Stop Settings							
Tire Size	1524 mm (60 in.)	1575 mm (62 in.)	1626 mm (64 in.)	1676 mm (66 in.)	1727 mm (68 in.)	1778 mm (70 in.)	1829 mm (72 in.)
320/80R42	8A6A 8327 mm 328 in.	Not Available	8B45B ^a 7303 mm 288 in.	Not Available	8C3C ^b 6204 mm 244 in.	Not Available	8D2D ^c 5860 mm 231 in.
380/80R38	Not Available	Not Available	8B6B ^a 8423 mm 332 in.	Not Available	8C5C ^a 7396 mm 291 in.	Not Available	8D3D ^b 6294 mm 248 in.
380/80R42 ^d	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
420/85R34	Not Available	Not Available	8B6B ^a 8423 mm 332 in.	Not Available	8C5C ^b 7396 mm 291 in.	Not Available	8D3D ^c 6294 mm 248 in.
420/85R38 ^d	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
480/70R34	Not Available	Not Available	8B6A 8423 mm 332 in.	Not Available	8C5B 7396 mm 291 in.	Not Available	8D3C 6294 mm 248 in.
540/65R34	Not Available	Not Available	Not Available	8J6A 8470 mm 333 in.	Not Available	8K4B 6778 mm 267 in.	Not Available
540/75R34 ^d	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
600/70R30	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
IF600/70R30	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
620/75R30 ^d	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
IF620/75R30 ^d	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

^aWide fenders use position A.
^bWide fenders use position B.
^cWide fenders use position C.
^dTire not available on 1100 axle.

TLS™ Plus, With Front Hitch, Tire, Fender, and Steering Stop Settings Continued								
Tire Size	1880 mm (74 in.)	1930 mm (76 in.)	1981 mm (78 in.)	2032 mm (80 in.)	2083 mm (82 in.)	2133 mm (84 in.)	2184 mm (86 in.)	2235 mm (88 in.)
320/80R42	Not Available	8E1E 5500 mm 217 in.	Not Available	8F1F ^a 5587 mm 220 in.	Not Available	8G0G ^b 5299 mm 209 in.	Not Available	8H0H 5384 mm 212 in.
380/80R38	Not Available	8E2E ^c 5948 mm 234 in.	Not Available	8F1F 5587 mm 220 in.	Not Available	8G0G 5299 mm 209 in.	Not Available	8H0H 5384 mm 212 in.
380/80R42 ^d	Not Available	8E6W ^e 8709 mm 343 in.	Not Available	8F5X ^f 7677 mm 302 in.	Not Available	8G5Y- ^f 7771 mm 306in.	Not Available	8H4Z- ^f 7193 mm 283 in.
420/85R34	Not Available	8E2E ^c 5948 mm 234 in.	Not Available	8F1F 5587 mm 220 in.	Not Available	8G0G 5299 mm 209 in.	Not Available	8H0H 5384 mm 212 in.
420/85R38 ^d	Not Available	8E6W 8709 mm 343 in.	Not Available	8F5X ^f 7677 mm 302 in.	Not Available	8G4Y- ^f 7101 mm 280 in.	Not Available	8H3Z- ^f 6656 mm 262 in.
480/70R34	Not Available	8E2D 5948 mm 234 in.	Not Available	8F1E 5587 mm 220 in.	Not Available	8G1F 5673 mm 223 in.	Not Available	8H0H 5384 mm 212 in.

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Front Wheels, Tires, and Treads

TLS™ Plus, With Front Hitch, Tire, Fender, and Steering Stop Settings Continued

Tire Size	1880 mm (74 in.)	1930 mm (76 in.)	1981 mm (78 in.)	2032 mm (80 in.)	2083 mm (82 in.)	2133 mm (84 in.)	2184 mm (86 in.)	2235 mm (88 in.)
540/65R34	8M3C 6339 mm 250 in.	Not Available	8N2D 5992 mm 236 in.	Not Available	8O1F 5630 mm 222 in.	Not Available	8P1F 5717 mm 225 in.	Not Available
540/75R34 ^d	Not Available	Not Available	8N6V 8757 mm 345 in.	Not Available	8O5W 7724 mm 304 in.	Not Available	8P3X 6611 mm 260 in.	Not Available
600/70R30	8M5C 7537 mm 297 in.	Not Available	8N3D 6429 mm 253 in.	Not Available	8O2E 6081 mm 239 in.	Not Available	8P1F 5717 mm 225 in.	Not Available
IF600/70R30	8M5C 7537 mm 297 in.	Not Available	8N3D 6429 mm 253 in.	Not Available	8O2E 6081 mm 239 in.	Not Available	8P1F 5717 mm 225 in.	Not Available
620/75R30 ^d	Not Available	Not Available	Not Available	Not Available	8O6W 8853 mm 349 in.	Not Available	8P4X 7147 mm 281 in.	Not Available
IF620/75R- 30 ^d	Not Available	Not Available	Not Available	Not Available	8O6W 8853 mm 349 in.	Not Available	8P4X 7147 mm 281 in.	Not Available

^aWide fenders use position E.

^bWide fenders use position F.

^cWide fenders use position C.

^dTire not available on 1100 axle.

^eWide fenders use position V.

^fWide fenders use position W.

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PROOF

1150/1300 MFWD Axles, With Front Loader, Tire, Fender, and Steering Stop Settings (If Equipped)

7210R has the option of the 1150 or 1300 axle, all other models have the 1300 axle.

Pivoting fenders are not available with front loaders.

NOTE: Further adjustment may be necessary if tire or fender contacts tractor on wide turns. Model

NOTE: Group 44 tires are not compatible with front loader.

1150/1300 MFWD Axles, With 9° Oscillation Stops, With Front Loader, Front Tire, Fender, and Steering Stop Settings							
Tire Size	1524 mm (60 in.)	1575 mm (62 in.)	1626 mm (64 in.)	1676 mm (66 in.)	1727 mm (68 in.)	1778 mm (70 in.)	1829 mm (72 in.)
320/80R42	8A5-7210 mm 284 in.	Not Available	8B4-6641 mm 261 in.	Not Available	8C3-6204 mm 244 in.	Not Available	8D2-5860 mm 231 in.
320/85R38	8A4-6550 mm 258 in.	Not Available	8B3-6114 mm 241 in.	Not Available	8C2-5772 mm 227 in.	Not Available	8D1-5414 mm 213 in.
380/80R38	Not Available	Not Available	Not Available	Not Available	8C5-7396 mm 291 in.	Not Available	8D4-6824 mm 269 in.
380/85R34	8A5-7210 mm 284 in.	Not Available	8B4-6641 mm 261 in.	Not Available	8C3-6204 mm 244 in.	Not Available	8D2-5860 mm 231 in.
420/85R34	8A6-8327 mm 328 in.	Not Available	8B5-7303 mm 288 in.	Not Available	8C4-6732 mm 265 in.	Not Available	8D3-6294 mm 248 in.
420/90R30	8A6-8327 mm 328 in.	Not Available	8B4-6641 mm 261 in.	Not Available	8C3-6204 mm 244 in.	Not Available	8D2-5860 mm 231 in.
16.9R30	8A6-8327 mm 328 in.	Not Available	8B5-7303 mm 288 in.	Not Available	8C4-6732 mm 265 in.	Not Available	8D2-5860 mm 231 in.
480/70R30	8A6-8327 mm 328 in.	Not Available	8B5-7303 mm 288 in.	Not Available	8C4-6732 mm 265 in.	Not Available	8D2-5860 mm 231 in.
480/70R34	Not Available	Not Available	8B5-7303 mm 288 in.	Not Available	8C4-6732 mm 265 in.	Not Available	8D3-6294 mm 248 in.
540/65R30	Not Available	8I6-8375 mm 330 in.	Not Available	8J4-6687 mm 263 in.	Not Available	8K3-6249 mm 246 in.	Not Available
540/65R34	Not Available	Not Available	Not Available	8J5-7350 mm 289 in.	Not Available	8K4-6778 mm 267 in.	Not Available
600/65R28	Not Available	Not Available	Not Available	Not Available	Not Available	8K4-6778 mm 267 in.	Not Available
600/70R30	Not Available	Not Available	Not Available	Not Available	Not Available	8K5-7443 mm 293 in.	Not Available
IF600/70R30	Not Available	Not Available	Not Available	Not Available	Not Available	8K5-7443 mm 293 in.	Not Available

1100/1300 MFWD Axles, With 9° Oscillation Stops, With Front Loader, Front Tire, Fender, and Steering Stop Settings Continued								
Tire Size	1880 mm (74 in.)	1930 mm (76 in.)	1981 mm (78 in.)	2032 mm (80 in.)	2083 mm (82 in.)	2133 mm (84 in.)	2184 mm (86 in.)	2235 mm (88 in.)
320/80R42	Not Available	8E2-5948 mm 234 in.	Not Available	8F2-6037 mm 238 in.	Not Available	8G2-6126 mm 241 in.	Not Available	8H2-6215 mm 245 in.
320/85R38	Not Available	8E1-5500 mm 217 in.	Not Available	8F1-5587 mm 220 in.	Not Available	8G1-5673 mm 223 in.	Not Available	8H1-5761 mm 227 in.
380/80R38	Not Available	8E3-6384 mm 251 in.	Not Available	8F3-6474 mm 255 in.	Not Available	8G3-6565 mm 258 in.	Not Available	8H3-6656 mm 262 in.

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Front Wheels, Tires, and Treads

1100/1300 MFWD Axles, With 9° Oscillation Stops, With Front Loader, Front Tire, Fender, and Steering Stop Settings Continued								
Tire Size	1880 mm (74 in.)	1930 mm (76 in.)	1981 mm (78 in.)	2032 mm (80 in.)	2083 mm (82 in.)	2133 mm (84 in.)	2184 mm (86 in.)	2235 mm (88 in.)
380/85R34	Not Available	8E1-5500 mm 217 in.	Not Available	8F1-5587 mm 220 in.	Not Available	8G1-5673 mm 223 in.	Not Available	8H1-5761 mm 227 in.
420/85R34	Not Available	8E3-6384 mm 251 in.	Not Available	8F3-6474 mm 255 in.	Not Available	8G3-6565 mm 258 in.	Not Available	8H3-6656 mm 262 in.
420/90R30	Not Available	8E1-5500 mm 217 in.	Not Available	8F1-5587 mm 220 in.	Not Available	8G1-5673 mm 223 in.	Not Available	8H1-5761 mm 227 in.
16.9R30	Not Available	8E2-5948 mm 234 in.	Not Available	8F1-5587 mm 220 in.	Not Available	8G1-5673 mm 223 in.	Not Available	8H1-5761 mm 227 in.
480/70R30	Not Available	8E1-5500 mm 217 in.	Not Available	8F0-5215 mm 205 in.	Not Available	8G0-5299 mm 209 in.	Not Available	8H0-5384 mm 212 in.
480/70R34	Not Available	8E2-5948 mm 234 in.	Not Available	8F2-6037 mm 238 in.	Not Available	8G2-6126 mm 241 in.	Not Available	8H2-6215 mm 245 in.
540/65R30	8M2-5904 mm 232 in.	Not Available	8N1-5543 mm 218 in.	Not Available	8O1-5630 mm 222 in.	Not Available	8P1-5717 mm 225 in.	Not Available
540/65R34	8M3-6339 mm 250 in.	Not Available	8N2-5992 mm 236 in.	Not Available	8O2-6081 mm 239 in.	Not Available	8P2-6170 mm 243 in.	Not Available
600/65R28	8M3-6339 mm 250 in.	Not Available	8N2-5992 mm 236 in.	Not Available	8O1-5630 mm 222 in.	Not Available	8P1-5717 mm 225 in.	Not Available
600/70R30	8M4-6870 mm 270 in.	Not Available	8N4-6962 mm 274 in.	Not Available	8O4-7054 mm 278 in.	Not Available	8P4-7147 mm 281 in.	Not Available
IF600/70R30	8M4-6870 mm 270 in.	Not Available	8N4-6962 mm 274 in.	Not Available	8O4-7054 mm 278 in.	Not Available	8P4-7147 mm 281 in.	Not Available

1150/1300 MFWD Axles, With 5° Oscillation Stops, With Front Loader, Front Tire, Fender, and Steering Stop Settings							
Tire Size	1524 mm (60 in.)	1575 mm (62 in.)	1626 mm (64 in.)	1676 mm (66 in.)	1727 mm (68 in.)	1778 mm (70 in.)	1829 mm (72 in.)
320/80R42	8A5-7210 mm 284 in.	Not Available	8B4-6641 mm 261 in.	Not Available	8C2-5772 mm 227 in.	Not Available	8D2-5860 mm 231 in.
320/85R38	8A4-6550 mm 258 in.	Not Available	8B3-6114 mm 241 in.	Not Available	8C2-5772 mm 227 in.	Not Available	8D1-5414 mm 213 in.
380/80R38	8A6-8327 mm 328 in.	Not Available	8B4-6641 mm 261 in.	Not Available	8C3-6204 mm 244 in.	Not Available	8D3-6294 mm 248 in.
380/85R34	8A5-7210 mm 284 in.	Not Available	8B4-6641 mm 261 in.	Not Available	8C2-5772 mm 227 in.	Not Available	8D1-5414 mm 213 in.
420/85R34	8A6-8327 mm 328 in.	Not Available	8B5-7303 mm 288 in.	Not Available	8C4-6732 mm 265 in.	Not Available	8D3-6294 mm 248 in.
420/90R30	8A5-7210 mm 284 in.	Not Available	8B4-6641 mm 261 in.	Not Available	8C3-6204 mm 244 in.	Not Available	8D2-5860 mm 231 in.
16.9R30	8A6-8327 mm 328 in.	Not Available	8B5-7303 mm 288 in.	Not Available	8C3-6204 mm 244 in.	Not Available	8D2-5860 mm 231 in.
480/70R30	8A6-8327 mm 328 in.	Not Available	8B5-7303 mm 288 in.	Not Available	8C3-6204 mm 244 in.	Not Available	8D2-5860 mm 231 in.

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Front Wheels, Tires, and Treads

1150/1300 MFWD Axles, With 5° Oscillation Stops, With Front Loader, Front Tire, Fender, and Steering Stop Settings

Tire Size	1524 mm (60 in.)	1575 mm (62 in.)	1626 mm (64 in.)	1676 mm (66 in.)	1727 mm (68 in.)	1778 mm (70 in.)	1829 mm (72 in.)
480/70R34	8A6- 8327 mm 328 in.	Not Available	8B5- 7303 mm 288 in.	Not Available	8C3- 6204 mm 244 in.	Not Available	8D2- 5860 mm 231 in.
540/65R30	Not Available	8I6- 8375 mm 330 in.	Not Available	8J4- 6687 mm 263 in.	Not Available	8K3- 6249 mm 246 in.	Not Available
540/65R34	Not Available	Not Available	Not Available	8J5- 7350 mm 289 in.	Not Available	8K4- 6778 mm 267 in.	Not Available
600/65R28	Not Available	Not Available	Not Available	Not Available	Not Available	8K4- 6778 mm 267 in.	Not Available
600/70R30	Not Available	Not Available	Not Available	Not Available	Not Available	8K5- 7443 mm 293 in.	Not Available
IF600/70R30	Not Available	Not Available	Not Available	Not Available	Not Available	8K5- 7443 mm 293 in.	Not Available

1150/1300 MFWD Axles, With 5° Oscillation Stops, With Front Loader, Front Tire, Fender, and Steering Stop Settings Continued

Tire Size	1880 mm (74 in.)	1930 mm (76 in.)	1981 mm (78 in.)	2032 mm (80 in.)	2083 mm (82 in.)	2133 mm (84 in.)	2184 mm (86 in.)	2235 mm (88 in.)
320/80R42	Not Available	8E1- 5500 mm 217 in.	Not Available	8F1- 5587 mm 220 in.	Not Available	8G1- 5673 mm 223 in.	Not Available	8H1- 5761 mm 227 in.
320/85R38	Not Available	8E0- 5131 mm 202 in.	Not Available	8F0- 5215 mm 205 in.	Not Available	8G0- 5299 mm 209 in.	Not Available	8H0- 5384 mm 212 in.
380/80R38	Not Available	8E3- 6384 mm 251 in.	Not Available	8F3- 6474 mm 255 in.	Not Available	8G3- 6565 mm 258 in.	Not Available	8H3- 6656 mm 262 in.
380/85R34	Not Available	8E1- 5500 mm 217 in.	Not Available	8F0- 5215 mm 205 in.	Not Available	8G0- 5299 mm 209 in.	Not Available	8H0- 5384 mm 212 in.
420/85R34	Not Available	8E2- 5948 mm 234 in.	Not Available	8F2- 6037 mm 238 in.	Not Available	8G2- 6126 mm 241 in.	Not Available	8H2- 6215 mm 245 in.
420/90R30	Not Available	8E1- 5500 mm 217 in.	Not Available	8F0- 5215 mm 205 in.	Not Available	8G0- 5299 mm 209 in.	Not Available	8H0- 5384 mm 212 in.
16.9R30	Not Available	8E1- 5500 mm 217 in.	Not Available	8F1- 5587 mm 220 in.	Not Available	8G1- 5673 mm 223 in.	Not Available	8H1- 5761 mm 227 in.
480/70R30	Not Available	8E2- 5948 mm 234 in.	Not Available	8F0- 5215 mm 205 in.	Not Available	8G0- 5299 mm 209 in.	Not Available	8H0- 5384 mm 212 in.
480/70R34	Not Available	8E2- 5948 mm 234 in.	Not Available	8F2- 6037 mm 238 in.	Not Available	8G2- 6126 mm 241 in.	Not Available	8H2- 6215 mm 245 in.
540/65R30	8M2- 5904 mm 232 in.	Not Available	8N1- 5543 mm 218 in.	Not Available	8O0- 5257 mm 207 in.	Not Available	8P0- 5342 mm 210 in.	Not Available
540/65R34	8M3- 6339 mm 250 in.	Not Available	8N2- 5992 mm 236 in.	Not Available	8O1- 5630 mm 222 in.	Not Available	8P1- 5717 mm 225 in.	Not Available
600/65R28	8M3- 6339 mm 250 in.	Not Available	8N2- 5992 mm 236 in.	Not Available	8O1- 5630 mm 222 in.	Not Available	8P0- 5342 mm 210 in.	Not Available

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