Inspect Tires

MAINTENANCE INTERVAL
Weekly or 50 Hours

CAUTION: Keep wheel hardware tight for safety.

1. Check tires daily for damage or noticeably low pressure.
2. Have any cuts or breaks repaired as soon as possible.
3. At least every 50 hours of operation, check tires with an accurate gauge having 10 kPa (0.1 bar) (1 psi) graduations. If tires contain liquid ballast, use a special air-water gauge and measure with the valve stem at bottom.
4. Check wheel hardware torque before operating, twice during first 10 hours of operation and thereafter every week/50 hours of operation.
5. Remove chemicals and petroleum products from tires as soon as possible to avoid damage.

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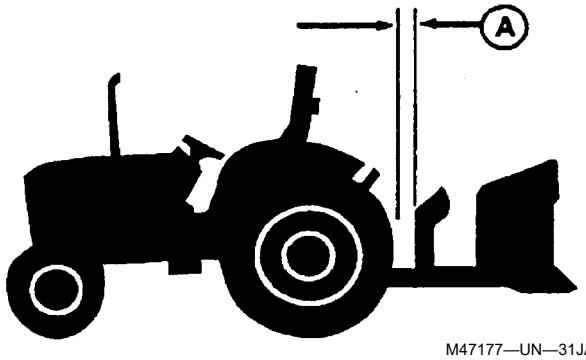
Adjust and Check Clearance



M47177—UN—31JAN92

A—Clearance

IMPORTANT: Whenever an implement, quick-coupler, or attachment is connected to the hitch, check full range of operation for interference, binding, or PTO separation.

When large diameter rear tires are installed, a quick-coupler or similar device is required to provide adequate implement-to-tire clearance.

1. Adjust center link and lift links as necessary. (See Level Hitch in Hitch and Drawbar Operation section.)
2. Adjust sway as necessary. (See Adjust Hitch Side Sway in Hitch and Drawbar Operation section.)
3. Start engine.
4. Slowly raise and lower implement with hitch fender switch or position lever.
5. Watch for interference points and adjust hitch setting as required.
6. Check for adequate clearance (A) between outside diameter of the tire and implement with hitch in raised position.

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Check Tire Inflation Pressure

MAINTENANCE INTERVAL
Weekly or 50 Hours

Consider the Following When Inflating Tires:

- At least every 50 hours of operation, check inflation pressure with a gauge. Use an accurate gauge having 10 kPa (0.1 bar) (1 psi) graduations. If tires contain liquid ballast, use a special air-water gauge and measure with the valve stem at bottom.
- Correctly inflated radial tires show a large deflection of the sidewall or “cheeks.” Deflection is normal and does not damage the tire if the inflation pressure is maintained.
- Overinflation reduces performance and increases strain of both tire and rim.
- Regularly monitor inflation pressures less than 80 kPa (0.8 bar) (12 psi) because of the increased risk of low pressure leaks (especially due to leaking valve cores).
- When operating machine on a steep side slope or furrow plowing, increase inflation pressures by 28 kPa (0.28 bar) (4 psi) above the values listed to compensate for lateral weight transfer.
- Tires run as singles in high-traction conditions sometimes experience bead slip. Increasing the inflation pressure compensates for this condition but causes reduced traction.
- If higher load capacities are needed, contact your John Deere dealer for tire manufacturer load and inflation table information.
- Maximum tire pressure is specified on the tire sidewall.
- Increase front tire pressures by 30 kPa (0.3 bar) (4 psi) above values listed when operating with a loader to compensate for weight transfer.

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Tire Pressures

Long life and satisfactory performance of the tires depend on proper tire inflation. Underinflation of tires

leads to rapid wear. Overinflated tires reduce traction and increase wheel slippage.

Since correct tire pressures vary with working conditions and load, but also with model, tire size, and manufacturer, we recommend that you approach your John Deere dealer or tire company for advice.

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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 the valve stem at bottom, if tires contain liquid ballast.

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

Inflation pressures less than 83 kPa (0.8 bar) (12 psi) must be monitored frequently because of the increased risk of low-pressure leaks.

NOTE: Bead-slip can be experienced in high-traction conditions when using single tires. Increasing inflation pressure helps, but reduces traction.

Maximum tire pressure is specified on the tire sidewall.

Determining Correct Tire Pressure

Integral implements transfer significant weight to the rear axle. Always include this weight when determining correct inflation pressures. Weigh the machine as described in order to determine the correct tire pressure:

Rear-Mounted Implement - The front axle must be weighed with implement lowered. The rear axle must be weighed with the implement raised.

Front-Mounted Implement - The front axle must be weighed with the implement raised. The rear axle must be weighed with the implement lowered.

Front- and Rear-Mounted Implements - Weigh the machine with front and rear implements both raised.

Set tire inflation pressures according to the weight measured. *Ballasting and tire inflation pressure may need to be adjusted when operating conditions change.* Refer to the tire manufacturers recommended inflation pressures as an initial starting point.

Altering Tire Inflation Pressure

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

Machines operating on steep side slopes or furrow plowing should increase rear tire pressures by 30 kPa (0.3 bar) (4 psi) above the 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%.

Reduce inflation pressure when using towed implements.

Machines with heavy hitch-mounted implements that require additional front cast weights to maintain steering stability require increased front and rear tire inflation pressure to carry the increased weight.

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Tire Sidewall Information

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Information useful in selecting and working with tires is displayed on tire sidewalls.

A—Tire section width – Width in millimeters.
B—Aspect ratio – Ratio of height to tire section width.
C—Construction type – R = Radial, B = Bias.
D—Rim diameter – Diameter in inches (not total tire height or group size).
E—Load index – Numerical code indicates tire load-carrying capacity. Higher load index number designates higher load capacity.
F—Speed rating – Maximum speed tire is designed to travel.

Additional information that may be displayed on sidewall:

Tread pattern—Indicates tread design and tire usage. Designs offered are all lug- or bar-type tires and are separated into one of three specifications: R1, R1W, or R2.
Direction of rotation—Icon (usually an arrow or group of arrows) indicating tire rotation direction.
Manufacturer name—Name of tire manufacturer.
Max load and pressure information—Maximum load a tire is permitted to carry under specified

pressure and operating conditions.

Safety warnings—Important information provided by tire manufacturer.

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Use Correct Tire Combinations

IMPORTANT: When replacing tires, consult your tire or John Deere dealer. Mixing worn and new tires, bias and radial, or tires of different diameters or loaded radii can reduce tire life and overall machine performance.

Using tire combinations not listed in the Tire Combination Chart could result in premature tire and driveline wear due to excessive underspeed or overspeed.

In order to achieve maximum drawbar pull, maintain proper steerability, and reduce tire wear and fuel consumption, comply with the correct tire combinations.

When MFWD front tires show excessive wear in comparison with the rear tires, the front tires must be replaced in order to maintain the predetermined tire ratio.

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Tire Combination Chart - 2WD

Front Wheel			Rear Wheel		
Size	Load Index	SRI	Size	Load Index	SRI
11L-15 -F2	106A8	410	13.6R38 / 340/85R38	133A8	750
				130B	
			540/65R34	152D	750
			420/85R34	142A8	750
				139B	
				142A8	
				142B	
			480/70R34	143D	750
				143A8	
				143D	
				146A8	
				143A8	
			460/85R30 / 18.4R30	145A8	725
				142B	
			12.4R36	124A8	700
				121B	
			16.9R30	137A8	700
				134B	
			420/85R30 / 16.9R30	140A8	700
				137B	
			480/70R28	140A8	675
				137B	
			15.5R38	125B	775
			380/85R38	125B	775
11L-15 –F3	106A8	410	13.6R38 / 340/85R38	133A8	750
				130B	
			540/65R34	145D	750
				152D	
				145D	
				148A8	
				152D	
			420/85R34	142A8	750
				139B	
				142A8	
				142B	

			480/70R34	143D	750
				143A8	
				143D	
				146A8	
				143A8	
			460/85R30 / 18.4R30	145A8	725
				142B	
			12.4R36	124A8	700
				121B	
			16.9R30	137A8	700
				134B	
			420/85R30 / 16.9R30	140A8	700
			480/70R28	137B	675
			15.5R38	125B	775
			380/85R38	125B	775
9.50R28	109A8	550	160/95R46	117A8	725
				114B	

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Tire Combination Chart - MFWD

Front Wheel			Rear Wheel		
Size	Load Index	SRI	Size	Load Index	SRI
11.2R24	114A8	525	12.4R36	124A8	700
			16.9R30	137A8	
	111B		12.4R36	121B	
			16.9R30	134B	
			420/85R30 (16.9R30)	137B	
11.2R28 (280/85R28)	118A8	575	13.6R38 (340/85R38)	133A8	750
	115B			130B	
12.4R24	119A8	550	460/85R30 (18.4R30)	145A8	725
		525	16.9R30	137A8	700
			420/85R30 (16.9R30)	140A8	700
			380/85R34	137A8	725
	116B	550	460/85R30 (18.4R30)	142B	725
		525	16.9R30	134B	700
			420/85R30 (16.9R30)	137B	700
			380/85R34	137B	725
13.6R24	125A8/B	575	18.4R34	142A8/B	750
			420/85R34	142A8/B	750
	125A8	575	15.5R38	134A8	775
	121A8	575	18.4R34	144A8	775
				149A8	
			15.5R38	125B	775
			13.6R38 (340/85R38)	133A8	750
			16.9R34 (420/85R34)	142A8	750
	118B	575	18.4R34	141B	775
				146B	
			15.5R38	125B	775
			13.6R38 (340/85R38)	130B	750
			16.9R34 (420/85R34)	139B	750

	122B	575	15.5R38	125B	775
13.6R24 (340/85R24)	125A8	575	15.5R38	134A8	775
14.9R24	126A8	600	16.9R38	144A8	800
			18.4R34	144A8	775
				149A8	
			380/95R38 VF	154A8	800
	123B	600	16.9R38	141B	800
			18.4R34	141B	775
				146B	
			380/95R38 VF	154B	800
230/95R32	128B	600	230/95R48	136B	800
	126A8	600		134A8	
			270/95R44	141A8	775
				145A8	
			230/95R40	135A8	700
	126B	600	230/95R48	134B	800
			270/95R44	141B	775
				142D	
			230/95R40	132D	700
280/85R24 (11.2R24)	115A8/B	525	420/85R30 (16.9R30)	140A8/B	700
			320/85R36	115A8/B	
	115A8	525	12.4R36	124A8	
			16.9R30	137A8	
			420/85R30 (16.9R30)	140A8	
			320/85R36 (12.4R36)	115A8	
	115B	525	320/85R36 (12.4R36)	115B	
			12.4R36	121B	
	112B	525	12.4R36	121B	
			16.9R30	134B	
			420/85R30 (16.9R30)	137B	
320/85R24 (12.4R24)	122A8	550	460/85R30	145A8	725
			420/85R30 (16.9R30)	140A8	700
	122A8	525	16.9R30	137A8	700
			420/85R30 (16.9R30)	140A8	
	122D	550	460/85R30 (18.4R30)	145D	725
				145A8	
	119B	550	460/85R30 (18.4R30)	142B	725
		525	16.9R30	134B	700
			420/85R30 (16.9R30)	137B	
340/85R24	125A8/B	575	420/85R34	142A8/B	750
	125A8		340/85R38 (13.6R38)	133A8	
	125B		340/85R38 (13.6R38)	133A8	
				130B	
			420/85R34	142A8	
				139B	
	122B		340/85R38 (13.6R38)	130B	
	125D		420/85R34	142D	
			380/85R38	125B	775
	137A8		380/85R38		
	137B		380/85R38		
340/85R24 (13.6R24)	125A8	575	420/85R34 (16.9R34)	147A8	750
			460/85R34 (18.4R34)	147A8	775
			420/85R38 (16.9R38)	149A8	800
				144A8	

340/85R28 (13.6R28)	127A8/B	625	420/85R38 (16.9R38)	144B	800
	127A8	625		144A8	
380/70R20	122A8	525	480/70R28	140A8	675
	122B	525		137B	
380/70R24	128A8/B	575	480/70R34	143A8/B	750
	125A8/B				
	125D	575		149D	
				143D	
				146A8	
				143A8	
	125A8	575		143A8	775
	125B	575		143B	
380/85R24	131A8	600	420/85R38 (16.9R38)	144A8	800
	128B	600	420/85R38	144B	
380/85R24 (14.9R24)	131A8	600	460/85R34 (18.4R34)	147A8	775
			420/85R38 (16.9R38)	149A8	800
			420/85R38 (16.9R38)	144A8	
400/80R24	149A8	600	480/80R34	164A8	775
	144D	600		159D	
440/65R24	128D	575	540/65R34	145D	750
			600/65R34	151D	775
			540/65R34	145D	750
				148A8	
	135D	575	600/65R34	151D	775
			540/65R34	152D	750
	131A8	575	540/65R34	145D	750
				152D	
			600/65R34	154A8	775
	125E	575	600/65R34	148E	
44X18-20	123B	550	23.1-26	145A8	750
480/65R24	140D	600	540/65R38	153D	800
			600/65R34	157D	775
				154A8	
				151D	
	143A8	600	600/65R34	160A8	775
	133D	600	540/65R38	147D	800
		600	600/65R34	151D	775
	136A8	600	540/65R38	150A8	800
	130E	600	600/65R34	148E	775
	130E	600	540/65R38	144E	800
9.5R28	109A8	550	160/95R46	117A8	725
				114B	

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Correct Tire Selection

IMPORTANT: When replacing tires, consult your tire dealer. Mixing worn and new tires, bias and radial, or tires of different diameters or loaded radii can reduce tire life and overall tractor performance.

Using any tire combination, other than those listed on the Tire Combination Chart, could result in premature tire and driveline wear due to excessive underspeed or overspeed.

The size ratio of the front wheels to the rear ones is precisely determined in order to produce a positive front

wheel lead of between 0% and 5%. To ascertain the correct ratio when changing tires, proceed as follows:

Determine Front/Rear Axle Ratio:

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The front/rear axle ratio is displayed on a label located below the rear window on the right-hand side inside of the cab. The following ratios are possible:

- **1.347**
- **1.392**

Determine Tire Rolling Circumferences:

This information must be obtained from the tire manufacturer's manual.

1. Select tires with suitable load-bearing capability.
2. Select tires appropriate to the tractor's top speed.
3. From the manual, obtain the rolling circumference of the tire desired for the rear wheel.
4. From the manual, obtain the rolling circumference of the tire desired for the front wheel.

Calculate MFWD Axle Overspeed:

IMPORTANT: If a different tire combination is selected, or new rear tires are selected with an SRI (speed/radius index) higher than the previous one, the tractor's electronics must be recalibrated by your John Deere dealer.

Calculate the overall transmission ratio using the following formula:

$$\text{MFWD Axle Overspeed} = \frac{\text{Rolling Circumference of Front Tire}}{\text{Rolling Circumference of Rear Tire}} (* \text{ F/R Axle Ratio}) * 100\%$$

MFWD Axle Overspeed Formula

IMPORTANT: To prevent damage to the drivetrain and avoid premature tire wear, obtain a front axle overspeed calculation between 100—105%. This correlates to a 0—5% MFWD axle overspeed, which is recommended for optimal performance.

Using the above formula, the following is an example of the calculation:

- Rolling circumference of the front tire = 3420 mm (134.6 in)
- Rolling circumference of the rear tire = 4395 mm (173.0 in)
- Front to rear axle ratio = 1.347

$$\text{MFWD Axle Overspeed} = \frac{3420}{4395} (* 1.347) * 100\%$$

MFWD Axle Overspeed Example

In the example, the MFWD axle overspeed equates to 104.8% or a 4.8% overspeed. The tires would be acceptable to use.

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Changing Tire Sizes

NOTE: When changing tire sizes, it is recommended to have your John Deere dealer ensure that the machine is properly set up.

- Changing tire sizes requires a software change to ensure that correct ground speed is achieved and displayed.
- Any change of tire combination must conform to a combination authorized for that particular machine.
- Depending on the new tire size, a change to the MFWD ratio may be required.

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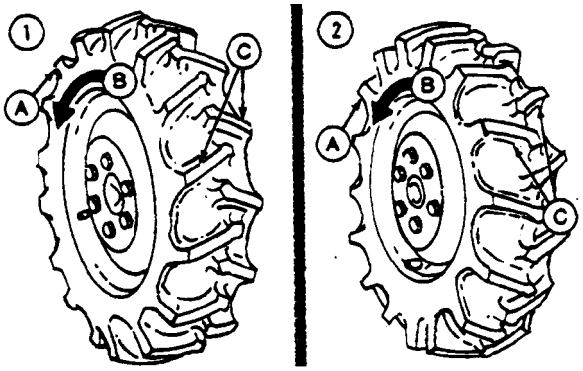
Select Front Tire Rolling Direction



RW510—UN—06APR89

Left Tire (viewed from rear)

A—Front Tire (viewed from rear)
B—Rolling Direction of Tire
C—Tire Lugs

1. Under most conditions, front tires (A) are mounted with the direction of tire lugs (C) the same as the tire rolling direction (B).
2. If machine is used primarily for loader operations, lug direction can be reversed on the MFWD axle for improved tire wear.

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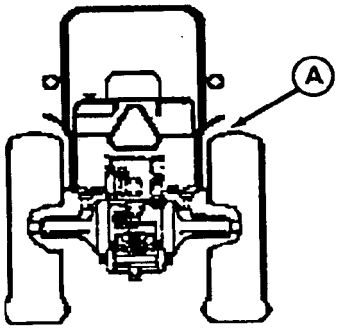
Rear Wheel Tread Width Limitations



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A—Rear Wheel-to-Fender Clearance

IMPORTANT: Tires must have at least 25 mm (1 in) clearance with fenders (A). When rear tires are installed, check clearance between the tire and fenders.

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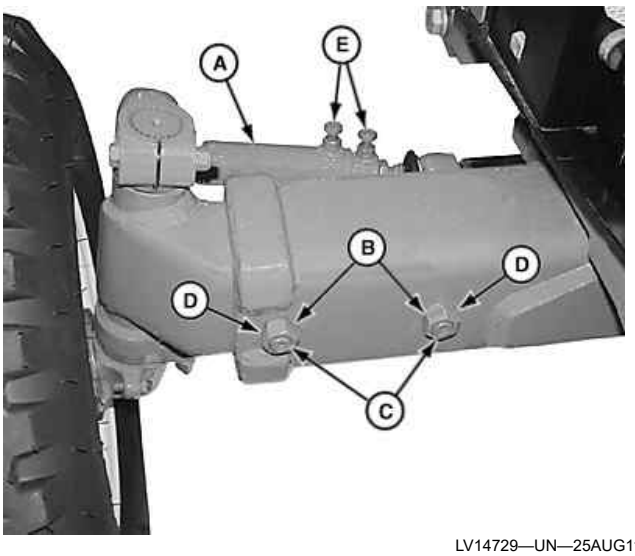
Adjust Front Axle Width—2WD Front Axle



LV14729—UN—25AUG11

A—Tie Rod
B—Axle Nut (4 used)
C—Cap Screw (4 used)
D—Sleeve (4 used)
E—Tie Rod Cap Screw (2 used)

1. Jack up the front end of machine. (See Jacking Up Machine in this section.)
2. When making large tread adjustments, loosen cap screws (E) and adjust the tie rod (A) length with axle length.
3. Remove two nuts (B), sleeves (D), and cap screws (C) from the front axle (2 on each side).
4. Slide axle knees to desired position. Both sides should be adjusted to same spacing.
5. Install sleeves, cap screws, and nuts on each side. Tighten cap screws to specification.

Specification	
Adjustable Front Axle-to-Knee Cap Screws—Torque	400 N·m (295 lb·ft)

6. Set toe-in. See procedure in this section.

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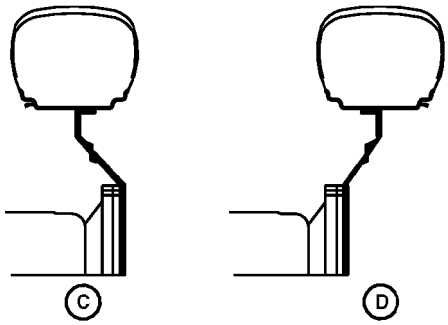
Set Tread—2WD Front Axle



LV1515—UN—05MAR96

- Tread settings are measured at the middle of the tires at axle height.
- Number 1 position is with axle adjustment at its most inward location. See Adjust Front Axle Width in this section.
- Adjust wheel tread by exchanging the wheels from side-to-side and by using spacers.

2WD Front Axle Tread Width (Centerline-to-Centerline) Diagram C - No Spacer						
	Tread Position					
Tire	**1**	**2**	**3**	**4**	**5**	**6**
11L-15 8PR F2	1488 mm (58.6 in)	1588 mm (62.5 in)	1688 mm (66.5 in)	1788 mm (70.4 in)	1888 mm (74.3 in)	1988 mm (78.3 in)
11LL-15 8PR F3	1488 mm (58.6 in)	1588 mm (62.5 in)	1688 mm (66.5 in)	1788 mm (70.4 in)	1888 mm (74.3 in)	1988 mm (78.3 in)
27/12LL-15 6PR R3	1488 mm (58.6 in)	1588 mm (62.5 in)	1688 mm (66.5 in)	1788 mm (70.4 in)	1888 mm (74.3 in)	1988 mm (78.3 in)

2WD Front Axle Tread Width (Centerline-to-Centerline) Diagram D - No Spacer						
	Tread Position					
Tire	**1**	**2**	**3**	**4**	**5**	**6**
11L-15 8PR F2	1572 mm (61.9 in)	1672 mm (65.8 in)	1772 mm (69.7 in)	1872 mm (73.7 in)	1972 mm (77.6 in)	2072 mm (81.5 in)
11LL-15 8PR F3	1572 mm (61.9 in)	1672 mm (65.8 in)	1772 mm (69.7 in)	1872 mm (73.7 in)	1972 mm (77.6 in)	2072 mm (81.5 in)
27/12LL-15 6PR R3	1572 mm (61.9 in)	1672 mm (65.8 in)	1772 mm (69.7 in)	1872 mm (73.7 in)	1972 mm (77.6 in)	2072 mm (81.5 in)

2WD Front Axle Tread Width (Centerline-to-Centerline) Diagram C - With 60 mm Spacer						
	Tread Position					
Tire	**1**	**2**	**3**	**4**	**5**	**6**
11L-15 8PR F2	1608 mm (63.3 in)	1708 mm (67.24 in)	1808 mm (71.18 in)	1908 mm (75.11 in)	2008 mm (79.05 in)	2108 mm (82.99 in)
11LL-15 8PR F3	1608 mm (63.3 in)	1708 mm (67.24 in)	1808 mm (71.18 in)	1908 mm (75.11 in)	2008 mm (79.05 in)	2108 mm (82.99 in)
27/12LL-15 6PR R3	1608 mm (63.3 in)	1708 mm (67.24 in)	1808 mm (71.18 in)	1908 mm (75.11 in)	2008 mm (79.05 in)	2108 mm (82.99 in)

2WD Front Axle Tread Width (Centerline-to-Centerline) Diagram D - With 60 mm Spacer						
	Tread Position					
Tire	1	2	3	4	5	6
11L-15 8PR F2	1692 mm (66.61 in)	1792 mm (70.55 in)	1892 mm (74.48 in)	1992 mm (78.42 in)	2092 mm (82.36 in)	2192 mm (86.29 in)
11LL-15 8PR F3	1692 mm (66.61 in)	1792 mm (70.55 in)	1892 mm (74.48 in)	1992 mm (78.42 in)	2092 mm (82.36 in)	2192 mm (86.29 in)
27/12LL-15 6PR R3	1692 mm (66.61 in)	1792 mm (70.55 in)	1892 mm (74.48 in)	1992 mm (78.42 in)	2092 mm (82.36 in)	2192 mm (86.29 in)

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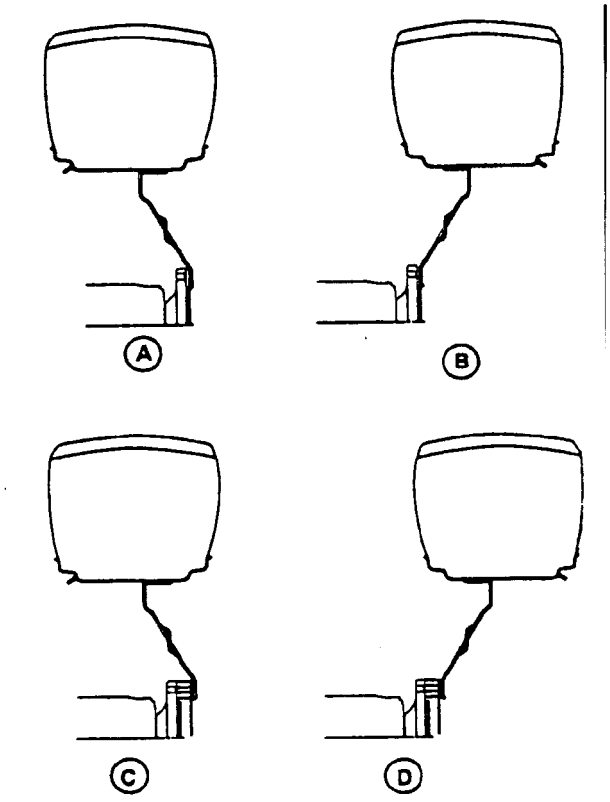
Set Tread—Two-Position MFWD Wheels

- Adjust wheel tread by exchanging the wheels from side-to-side and by using spacers.
- Tread settings are measured at the middle of the tires at axle height.

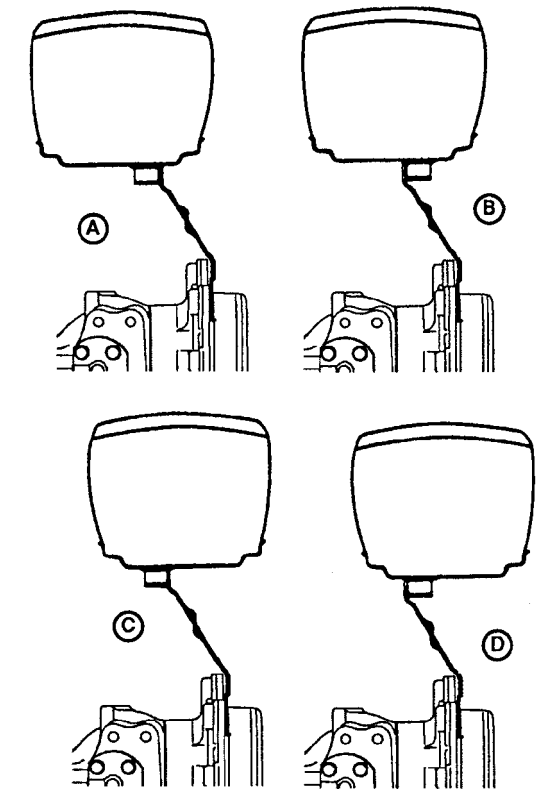


M47178—UN—31JAN92

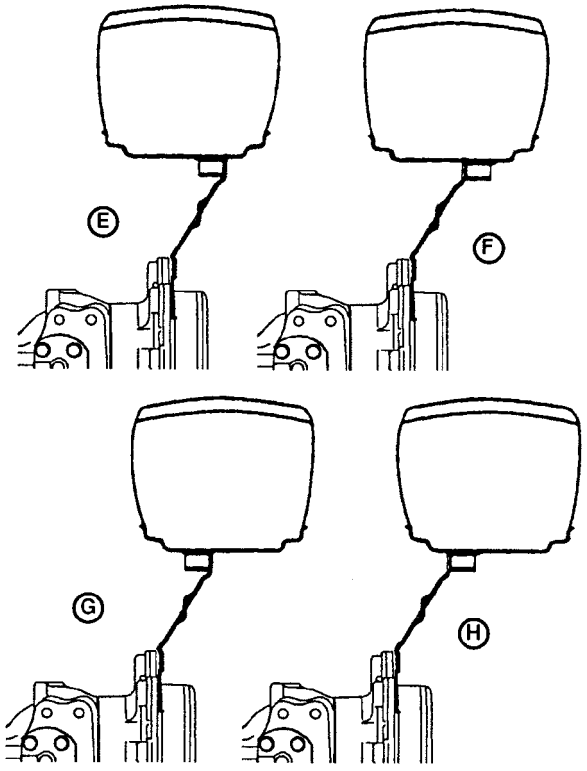
Two-Position MFWD Wheels—Tread Width (Centerline-to-Centerline)				
	No Spacer		60 mm Spacer	
Tire	A	B	C	D
9.5-16	Interference	1705 mm (67.1 in)	1716 mm (67.55 in)	1825 mm (71.85 in)
12LL-16	Interference	1695 mm (66.7 in)	1725 mm (67.91 in)	1815 mm (71.45 in)
12.5/80-18	1578 mm (62.1 in)	1724 mm (67.9 in)	1698 mm (66.85 in)	1844 mm (72.59 in)
44x18-20	1576 mm (62.0 in)	1729 mm (68.1 in)	1696 mm (66.77 in)	1849 mm (72.79 in)

HK75640,00010CF-19-14SEP20

Set Tread—Multi-Position MFWD Wheels



LV601—UN—22APR94



LV602—UN—22APR94

- Wheel tread with multi-position wheels is adjusted by repositioning or exchanging the rims or by reversing the wheel disks.
- Wheel tread can also be adjusted by exchanging the complete wheel to the opposite side of the machine. This permits the change from disk-dished-in to disk-dished-out operations without disassembling the wheel.
- When changing wheels from one side to the other, the arrow on the sidewall of tire points in the direction of forward rotation.
- The wheel tread can be adjusted by exchanging the wheels from side-to-side and by using spacers.
- Tread settings are measured at the middle of the tires at axle height.

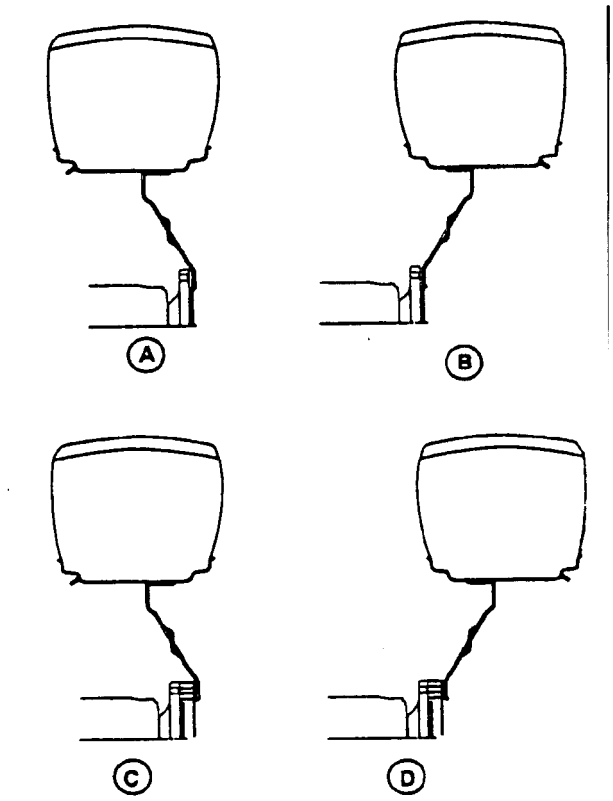
Multi-Position MFWD Wheels—Tread Width (Centerline-to-Centerline)								
No Spacer								
Tire	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**
11.2R24 (280/85R24)	1300 mm (51.1 in)	1398 mm (55.0 in)	1500 mm (59.0 in)	1596 mm (62.8 in)	1700 mm (66.9 in)	1798 mm (70.7 in)	1900 mm (74.8 in)	1998 mm (78.6 in)
11.2R28 (280/85R28)	1334 mm (52.5 in)	1430 mm (56.2 in)	1466 mm (57.7 in)	1562 mm (61.4 in)	1734 mm (68.2 in)	1830 mm (72.0 in)	1866 mm (73.4 in)	1962 mm (77.2 in)
12.4R24 (320/85R24)	Interference	1398 mm (55.0 in)	1500 mm (59.0 in)	1596 mm (62.8 in)	1700 mm (66.6 in)	1798 mm (70.7 in)	1900 mm (74.8 in)	1998 mm (78.6 in)
13.6R24 (340/85R24)	Interference	1396 mm (54.9 in)	1500 mm (59.0 in)	1596 mm (62.8 in)	1700 mm (66.9 in)	1796 mm (70.7 in)	1900 mm (74.8 in)	1996 mm (77.5 in)
13.6R28 (340/85R28)	Interference	1396 mm (54.9 in)	1504 mm (59.2 in)	1600 mm (62.9 in)	1700 mm (66.9 in)	1796 mm (70.7 in)	1904 mm (74.9 in)	2000 mm (78.7 in)
14.9R24 (380/85R24)	Interference	1396 mm (54.9 in)	1504 mm (59.2 in)	1600 mm (62.9 in)	1700 mm[a] (66.9 in)	1796 mm (70.7 in)	1904 mm (74.9 in)	2000 mm (78.7 in)
230/95R32	1300 mm (51.2 in)	1400 mm (55.1 in)	1504 mm (59.2 in)	1602 mm (63.1 in)	1702 mm (67.0 in)	1800 mm (70.9 in)	1904 mm (75.0 in)	2004 mm (78.9 in)
230/95R48	1332 mm (52.4 in)	1371 mm (54.0 in)	1535 mm (60.4 in)	1574 mm (62.0 in)	1732 mm (68.2 in)	1771 mm (69.7 in)	1935 mm (76.2 in)	1974 mm (77.7 in)
380/70R20	1342 mm (52.8 in)	1452 mm (57.1 in)	1544 mm (60.7 in)	1626 mm (64.0 in)	1642 mm (64.6 in)	1752 mm (68.9 in)	1844 mm (72.5 in)	1954 mm (76.9 in)
380/70R24	Interference	1396 mm (54.9 in)	1500 mm (59.0 in)	1596 mm (62.8 in)	1700 mm (66.9 in)	1796 mm (70.7 in)	1900 mm (74.8 in)	1996 mm (78.5 in)
400/80R24	Interference	1396 mm (54.9 in)	1500 mm (59.0 in)	1596 mm (62.8 in)	1700 mm (66.9 in)	1796 mm (70.7 in)	1900 mm (74.8 in)	1996 mm (78.5 in)
440/65R24	Interference	Interference	1508 mm (59.3 in)	1604 mm (63.1 in)	1692 mm[a] (66.6 in)	1788 mm[a] (70.3 in)	1908 mm (75.1 in)	2004 mm (78.8 in)
480/65R24	Interference	Interference	1504 mm (59.2 in)	1600 mm (62.9 in)	1700 mm[b] (66.9 in)	1796 mm[c] (70.7 in)	1904 mm (74.9 in)	2000 mm (78.7 in)

[a] *Fender Adjustment Required*
[b] *Fender Adjustment Required, but Rubs Fuel Tank*
[c] *Tire Contacts Fender Bolt at Full Turn*

Multi-Position MFWD Wheels—Tread Width (Centerline-to-Centerline)								
60 mm Spacer								
Tire	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**
11.2R24 (280/85R24)	1420 mm (55.90 in)	1518 mm (59.76 in)	1620 mm (63.77 in)	1716 mm (67.55 in)	1820 mm (71.65 in)	1918 mm (75.51 in)	2020 mm (79.52 in)	2118 mm (83.38 in)
11.2R28 (280/85R28)	1454 mm (57.24 in)	1550 mm (61.02 in)	1586 mm (62.44 in)	1682 mm (66.22 in)	1854 mm (72.99 in)	1950 mm (76.77 in)	1986 mm (78.18 in)	1982 mm (78.03 in)
12.4R24 (320/85R24)	1420 mm (55.90 in)	1518 mm (59.76 in)	1620 mm (63.77 in)	1716 mm (67.55 in)	1820 mm (71.65 in)	1918 mm (75.51 in)	2020 mm (79.52 in)	2118 mm (83.38 in)
13.6R24 (340/85R24)	1420 mm (55.90 in)	1516 mm (59.68 in)	1620 mm (63.77 in)	1716 mm (67.55 in)	1820 mm (71.65 in)	1916 mm (75.43 in)	2020 mm (79.52 in)	2116 mm (83.30 in)
13.6R28 (340/85R28)	1420 mm (55.90 in)	1516 mm (59.68 in)	1624 mm (63.93 in)	1720 mm (67.71 in)	1820 mm (71.65 in)	1916 mm (75.43 in)	2024 mm (79.68 in)	2120 mm (83.46 in)
14.9R24 (380/85R24)	1420 mm (55.90 in)	1516 mm (59.68 in)	1624 mm (63.93 in)	1720 mm (67.71 in)	1820 mm (71.65 in)	1916 mm (75.43 in)	2024 mm (79.68 in)	2120 mm (83.46 in)
230/95R32	1420 mm (55.90 in)	1516 mm (59.68 in)	1624 mm (63.93 in)	1720 mm (67.71 in)	1822 mm (71.73 in)	1920 mm (75.59 in)	2024 mm (79.68 in)	2124 mm (83.62 in)
230/95R48	1452 mm (57.16 in)	1491 mm (58.70 in)	1655 mm (65.15 in)	1694 mm (66.69 in)	1852 mm (72.91 in)	1891 mm (74.44 in)	2055 mm (80.90 in)	2094 mm (82.44 in)
380/70R20	1462 mm (57.55 in)	1572 mm (61.88 in)	1654 mm (65.11 in)	1746 mm (69.44 in)	1762 mm (69.37 in)	1872 mm (73.70 in)	1964 mm (77.32 in)	2074 mm (81.65 in)
380/70R24	1405 mm (55.31 in)	1516 mm (59.68 in)	1620 mm (63.77 in)	1720 mm (67.71 in)	1820 mm (71.65 in)	1916 mm (75.43 in)	2020 mm (79.52 in)	2116 mm (83.30 in)
400/80R24	1405 mm (55.31 in)	1516 mm (59.68 in)	1620 mm (63.77 in)	1720 mm (67.71 in)	1820 mm (71.65 in)	1916 mm (75.43 in)	2020 mm (79.52 in)	2116 mm (83.30 in)
440/65R24	1420 mm (55.90 in)	1508 mm (59.37 in)	1628 mm (64.09 in)	1724 mm (67.87 in)	1812 mm (71.33 in)	1908 mm (75.11 in)	2028 mm (79.84 in)	2124 mm (83.62 in)
480/65R24	1420 mm (55.90 in)	1516 mm (59.68 in)	1624 mm (63.93 in)	1720 mm (67.71 in)	1820 mm (71.65 in)	1916 mm (75.43 in)	2024 mm (79.68 in)	2120 mm (83.46 in)

LGCKF7U,0000B3E-19-13APR21

Set Tread—Two-Position Rear Wheels



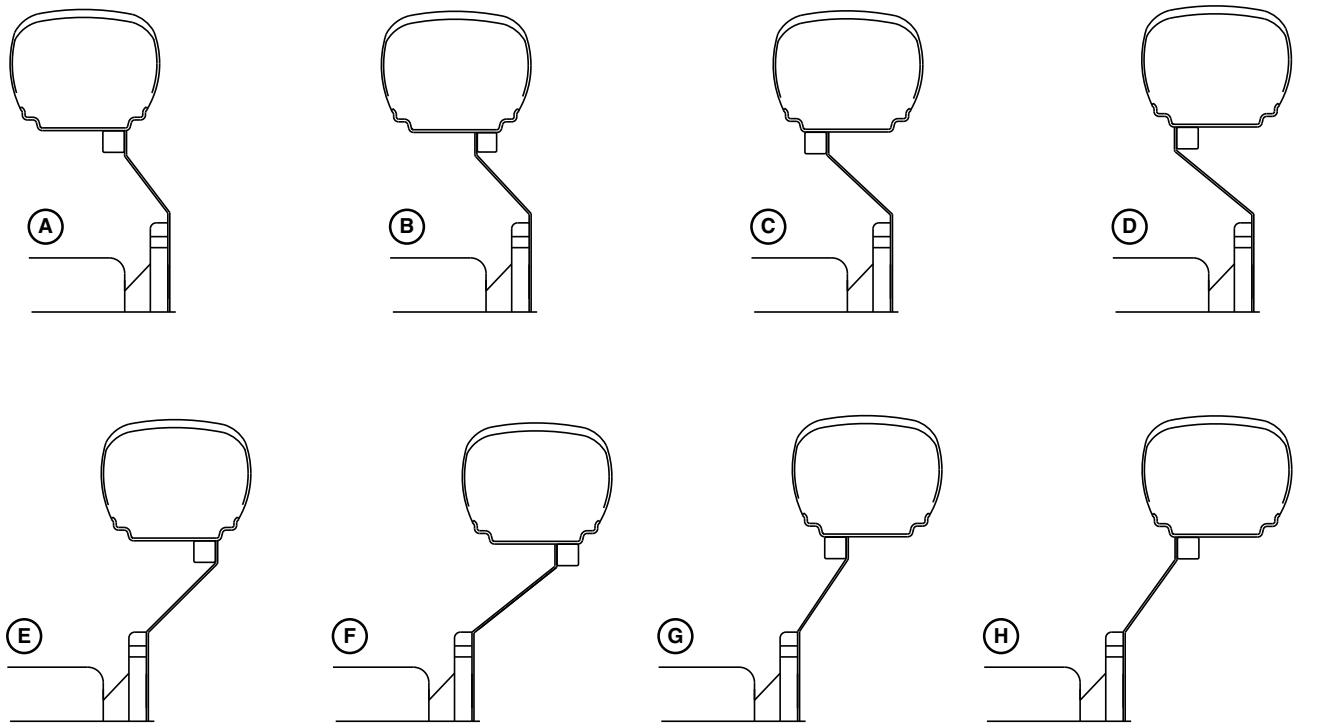
M47178—UN—31JAN92

- Adjust wheel tread by exchanging the wheels from side-to-side and by using spacers.
- Tread settings are measured at the middle of the tires at axle height.

Two-Position Rear Wheels—Tread Width (Centerline-to-Centerline)								
	No Spacer		30 mm Spacer		44 mm Spacer		111 mm Spacer	
Tire	A	B	C	D	C	D	C	D
21.5L-16.1 6PR R3	Interference	1658 mm (65.3 in)	Interference	1718 mm (67.6 in)	Interference	1746 mm (68.7 in)	Interference	1880 mm (74.0 in)
22.5LL-16.1 6PR R3	Interference	1763 mm (69.4 in)	Interference	1824 mm (71.8 in)	Interference	1852 mm (72.9 in)	Interference	1986 mm (78.2 in)
23.1-26 8PR R3	Interference	1658 mm (65.3 in)	Interference	1718 mm (67.6 in)	Interference	1746 mm (68.7 in)	Interference	1880 mm (74.0 in)

HK75640,00010D1-19-14SEP20

Set Tread—Multi-Position Rear Wheels



LV8610—UN—28AUG03

- Wheel tread with multi-position wheels is adjusted by repositioning or exchanging the rims or by reversing the wheel disks.
- Wheel tread can also be adjusted by exchanging the complete wheel to the opposite side of the machine. This permits the change from disk-dished-in to disk-dished-out operations without disassembling the wheel.
- When changing wheels from one side to the other, the arrow on the sidewall of tire points in the direction of forward rotation.
- The wheel tread can be adjusted by exchanging the wheels from side-to-side and by using spacers.
- Tread settings are measured at the middle of the tires at axle height.

Multi-Position Rear Wheels—Tread Width (Centerline-to-Centerline)								
No Spacer								
Tire	A	B	C	D	E	F	G	H
12.4R36 (320/85R36)	Interference	Interference	Interference	1395 mm (54.9 in)	1491 mm (58.7 in)	1595 mm (62.7 in)	1691 mm (66.5 in)	1795 mm (70.6 in)
13.6R38 (340/85R38)	Interference	Interference	Interference	1395 mm (54.9 in)	1491 mm (58.7 in)	1595 mm (62.7 in)	1691 mm (66.5 in)	1795 mm (70.6 in)
15.5R38 (380/85R38)	Interference	Interference	Interference	Interference	1491 mm (58.7 in)	1595 mm (62.7 in)	1691 mm (66.5 in)	1795 mm (70.6 in)
16.9R30 (420/85R30)	Interference	Interference	Interference	Interference	1497 mm (58.9 in)	1591 mm (62.6 in)	1701 mm (66.9 in)	1795 mm (70.6 in)
16.9R34 (420/85R34)	Interference	Interference	Interference	Interference	1495 mm (58.8 in)	1595 mm (62.7 in)	1695 mm (66.7 in)	1795 mm (70.6 in)
16.9R38 (420/85R38)	Interference	Interference	Interference	Interference	1491 mm (58.7 in)	1591 mm (62.6 in)	1695 mm (66.9 in)	1795 mm (70.6 in)
18.4R30 (460/85R30)	Interference	Interference	Interference	Interference	1497 mm (58.9 in)	1591 mm (62.6 in)	1701 mm (66.9 in)	1795 mm (70.6 in)
18.4R34 (460/85R34)	Interference	Interference	Interference	Interference	1495 mm (58.8 in)	1595 mm (62.7 in)	1695 mm (66.7 in)	1795 mm (70.6 in)
19.5L-24	Interference	Interference	Interference	Interference	Interference	1587 mm (62.4 in)	1707 mm (67.2 in)	1803 mm (70.9 in)

Multi-Position Rear Wheels—Tread Width (Centerline-to-Centerline)								
No Spacer								
Tire	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**
230/95R48	Interference	Interference	1295 mm (50.9 in)	1395 mm (54.9 in)	1491 mm (58.7 in)	1591 mm (62.6 in)	1695 mm (67.7 in)	1795 mm (70.6 in)
270/95R44	Interference	Interference	1339 mm (52.7 in)	1441 mm (56.7 in)	1495 mm (58.8 in)	1597 mm (62.8 in)	1739 mm (68.4 in)	1841 mm (72.4 in)
380/85R34 (14.9R34)	Interference	Interference	Interference	Interference	1515 mm (59.6 in)	1610 mm (63.4 in)	1719 mm (67.7 in)	1814 mm (71.4 in)
480/70R28	Interference	Interference	Interference	Interference	1501 mm (59.0 in)	1595 mm (62.7 in)	1701 mm (66.9 in)	1795 mm (70.6 in)
480/70R34	Interference	Interference	Interference	Interference	Interference	1595 mm (62.7 in)	1695 mm (67.7 in)	1795 mm (70.6 in)
480/80R34	Interference	Interference	Interference	Interference	Interference	1595 mm (62.7 in)	1695 mm (66.7 in)	1795 mm (70.6 in)
540/65R34	Interference	Interference	Interference	Interference	Interference	1591 mm (62.6 in)	1699 mm (66.8 in)	1795 mm (70.6 in)
540/65R38	Interference	Interference	Interference	Interference	Interference	1591 mm (62.6 in)	1695 mm (66.9 in)	1795 mm (70.6 in)
600/65R34	Interference	Interference	Interference	Interference	Interference	1591 mm (62.6 in)	1695 mm (66.9 in)	1795 mm (70.6 in)

Multi-Position Rear Wheels—Tread Width (Centerline-to-Centerline)								
30 mm Spacer								
Tire	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**
12.4R36 (320/85R36)	Interference	Interference	1375 mm (54.1 in)	1475 mm (58.1 in)	1575 mm (62 in)	1679 mm (66.1 in)	1775 mm (69.9 in)	1879 mm (74 in)
13.6R38 (340/85R38)	Interference	Interference	1375 mm (54.1 in)	1479 mm (58.2 in)	1575 mm (62 in)	1675 mm (65.9 in)	1779 mm (70 in)	1879 mm (74 in)
15.5R38 (380/85R38)	Interference	Interference	Interference	1479 mm (58.2 in)	1575 mm (62 in)	1679 mm (66.1 in)	1775 mm (69.9 in)	1879 mm (74 in)
16.9R30 (420/85R30)	Interference	Interference	Interference	1473 mm (58 in)	1575 mm (62 in)	1669 mm (65.7 in)	1779 mm (70 in)	1873 mm (73.7 in)
16.9R34 (420/85R34)	Interference	Interference	Interference	1475 mm (58.1 in)	1575 mm (62 in)	1675 mm (65.9 in)	1775 mm (69.9 in)	1875 mm (73.8 in)
16.9R38 (420/85R38)	Interference	Interference	Interference	1479 mm (58.2 in)	1575 mm (62 in)	1675 mm (65.9 in)	1779 mm (70 in)	1879 mm (74 in)
18.4R30 (460/85R30)	Interference	Interference	Interference	Interference	1575 mm (62 in)	1669 mm (65.7 in)	1779 mm (70 in)	1873 mm (73.7 in)
18.4R34 (460/85R34)	Interference	Interference	Interference	Interference	1575 mm (62 in)	1675 mm (65.9 in)	1775 mm (69.9 in)	1875 mm (73.8 in)
19.5L-24	Interference	Interference	Interference	Interference	1567 mm (61.7 in)	1663 mm (65.5 in)	1783 mm (70.2 in)	1879 mm (74 in)
230/95R48	Interference	1275 mm (50.2 in)	1455 mm (57.3 in)	1455 mm (57.3 in)	1575 mm (62 in)	1455 mm (57.3 in)	1455 mm (57.3 in)	1879 mm (74 in)
270/95R44	Interference	Interference	1399 mm (55.1)	1501 mm (59.1 in)	1555 mm (61.2 in)	1657 mm (65.2 in)	1779 mm (70 in)	1901 mm (74.8 in)
380/85R34 (14.9R34)	Interference	Interference	Interference	1473 mm (58 in)	1575 mm (62 in)	1669 mm (65.7 in)	1779 mm (70 in)	1873 mm (73.7 in)
480/70R28	Interference	Interference	Interference	1473 mm (58 in)	1575 mm (62 in)	1669 mm (65.7 in)	1779 mm (70 in)	1873 mm (73.7 in)
480/70R34	Interference	Interference	Interference	Interference	1575 mm (62 in)	1675 mm (65.9 in)	1775 mm (69.9 in)	1875 mm (73.8 in)
480/80R34	Interference	Interference	Interference	Interference	1575 mm (62 in)	1675 mm (65.9 in)	1775 mm (69.9 in)	1875 mm (73.8 in)
540/65R34	Interference	Interference	Interference	Interference	Interference	1671 mm (65.8 in)	1779 mm (70 in)	1875 mm (73.8 in)
540/65R38	Interference	Interference	Interference	Interference	Interference	1671 mm (65.8 in)	1775 mm (69.9 in)	1875 mm (73.8 in)

Multi-Position Rear Wheels—Tread Width (Centerline-to-Centerline)								
30 mm Spacer								
Tire	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**
600/65R34	Interference	Interference	Interference	Interference	Interference	1675 mm (65.9 in)	1779 mm (70 in)	1879 mm (74 in)

Multi-Position Rear Wheels—Tread Width (Centerline-to-Centerline)								
44 mm Spacer								
Tire	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**
12.4R36 (320/85R36)	Interference	Interference	1403 mm (55.2 in)	1507 mm (59.3 in)	1603 mm (63.1 in)	1697 mm (66.8 in)	1803 mm (71 in)	1907 mm (75.1 in)
13.6R38 (340/85R38)	Interference	Interference	1403 mm (55.2 in)	1507 mm (59.3 in)	1603 mm (63.1 in)	1707 mm (67.2 in)	1803 mm (71 in)	1907 mm (75.1 in)
15.5R38 (380/85R38)	Interference	Interference	Interference	1507 mm (59.3 in)	1603 mm (63.1 in)	1707 mm (67.2 in)	1803 mm (71 in)	1907 mm (75.1 in)
16.9R30 (420/85R30)	Interference	Interference	Interference	1501 mm (59.1 in)	1603 mm (63.1 in)	1697 mm (66.8 in)	1807 mm (71.1 in)	1901 mm (74.8 in)
16.9R34 (420/85R34)	Interference	Interference	Interference	1503 mm (59.2 in)	1603 mm (63.1 in)	1703 mm (67 in)	1803 mm (71 in)	1903 mm (75.1 in)
16.9R38 (420/85R38)	Interference	Interference	Interference	1507 mm (59.3 in)	1603 mm (63.1 in)	1703 mm (67 in)	1807 mm (71.1 in)	1907 mm (75.1 in)
18.4R30 (460/85R30)	Interference	Interference	Interference	Interference	1603 mm (63.1 in)	1697 mm (66.8 in)	1807 mm (71.1 in)	1901 mm (74.8 in)
18.4R34 (460/85R34)	Interference	Interference	Interference	Interference	1603 mm (63.1 in)	1703 mm (67 in)	1803 mm (71 in)	1903 mm (75.1 in)
19.5L-24	Interference	Interference	Interference	Interference	1595 mm (62.8 in)	1691 mm (66.6 in)	1811 mm (71.3 in)	1907 mm (75.1 in)
230/95R48	Interference	1303 mm (51.3 in)	1407 mm (55.4 in)	1507 mm (59.3 in)	1603 mm (63.1 in)	1703 mm (67 in)	1807 mm (71.1 in)	1907 mm (75.1 in)
270/95R44	Interference	Interference	1427 mm (56.2 in)	1529 mm (60.2 in)	1583 mm (62.3 in)	1685 mm (66.3 in)	1827 mm (71.9 in)	1929 mm (76 in)
380/85R34 (14.9R34)	Interference	Interference	Interference	1497 mm (58.9 in)	1603 mm (63.1 in)	1699 mm (66.9 in)	1803 mm (71 in)	1899 mm (74.8 in)
480/70R28	Interference	Interference	Interference	1497 mm (58.9 in)	1603 mm (63.1 in)	1699 mm (66.9 in)	1803 mm (71 in)	1899 mm (74.8 in)
480/70R34	Interference	Interference	Interference	Interference	1603 mm (63.1 in)	1703 mm (67 in)	1803 mm (71 in)	1903 mm (75.1 in)
480/80R34	Interference	Interference	Interference	Interference	1603 mm (63.1 in)	1703 mm (67 in)	1803 mm (71 in)	1903 mm (75.1 in)
540/65R34	Interference	Interference	Interference	Interference	1603 mm (63.1 in)	1699 mm (66.9 in)	1807 mm (71.1 in)	1903 mm (75.1 in)
540/65R38	Interference	Interference	Interference	Interference	1603 mm (63.1 in)	1703 mm (67 in)	1803 mm (71 in)	1903 mm (75.1 in)
600/65R34	Interference	Interference	Interference	Interference	1603 mm (63.1 in)	1703 mm (67 in)	1807 mm (71.1 in)	1907 mm (75.1 in)

Multi-Position Rear Wheels—Tread Width (Centerline-to-Centerline)								
111 mm Spacer								
Tire	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**
12.4R36 (320/85R36)	Interference	1441 mm (56.7 in)	1537 mm (60.5 in)	1641 mm (64.6 in)	1737 mm (68.4 in)	1841 mm (72.5 in)	1937 mm (76.3 in)	2041 mm (85.4 in)
13.6R38 (340/85R38)	Interference	1441 mm (56.7 in)	1537 mm (60.5 in)	1641 mm (64.6 in)	1737 mm (68.4 in)	1841 mm (72.5 in)	1937 mm (76.3 in)	2041 mm (85.4 in)
15.5R38 (380/85R38)	Interference	1441 mm (56.7 in)	1537 mm (60.5 in)	1641 mm (64.6 in)	1737 mm (68.4 in)	1841 mm (72.5 in)	1937 mm (76.3 in)	2041 mm (85.4 in)
16.9R30 (420/85R30)	Interference	Interference	1541 mm (60.7 in)	1635 mm (64.4 in)	1737 mm (68.4 in)	1831 mm (72.1 in)	1941 mm (76.4 in)	2035 mm (80.1 in)

Multi-Position Rear Wheels—Tread Width (Centerline-to-Centerline)								
111 mm Spacer								
Tire	A	B	C	D	E	F	G	H
16.9R34 (420/85R34)	Interference	Interference	1537 mm (60.5 in)	1637 mm (64.5 in)	1737 mm (68.4 in)	1837 mm (72.3 in)	1937 mm (76.3 in)	2037 mm (80.2 in)
16.9R38 (420/85R38)	Interference	Interference	1541 mm (60.7 in)	1641 mm (64.6 in)	1737 mm (68.4 in)	1837 mm (72.3 in)	1941 mm (76.4 in)	2041 mm (85.4 in)
18.4R30 (460/85R30)	Interference	Interference	1541 mm (60.7 in)	1635 mm (64.4 in)	1737 mm (68.4 in)	1831 mm (72.1 in)	1941 mm (76.4 in)	2035 mm (80.1 in)
18.4R34 (460/85R34)	Interference	Interference	1537 mm (60.5 in)	1637 mm (64.5 in)	1737 mm (68.4 in)	1837 mm (72.3 in)	1937 mm (76.3 in)	2037 mm (80.2 in)
19.5L-24	Interference	Interference	1545 mm (60.8 in)	1641 mm (64.6 in)	1729 mm (68.1 in)	1825 mm (71.9 in)	1945 mm (76.6 in)	2041 mm (85.4 in)
230/95R48	1337 mm (52.6 in)	1437 mm (56.6 in)	1541 mm (60.7 in)	1641 mm (64.6 in)	1737 mm (68.4 in)	1837 mm (72.3 in)	1941 mm (76.4 in)	2041 mm (85.4 in)
270/95R44	1317 mm (51.9 in)	1419 mm (55.9 in)	1561 mm (61.5 in)	1663 mm (65.5 in)	1717 mm (67.6 in)	1819 mm (71.6 in)	1961 mm (77.2 in)	2063 mm (81.2 in)
380/85R34 (14.9R34)	Interference	Interference	1537 mm (60.5 in)	1631 mm (64.2 in)	1737 mm (68.4 in)	1833 mm (72.2 in)	1937 mm (76.3 in)	2033 mm (80 in)
480/70R28	Interference	Interference	1537 mm (60.5 in)	1631 mm (64.2 in)	1737 mm (68.4 in)	1833 mm (72.2 in)	1937 mm (76.3 in)	2033 mm (80 in)
480/70R34	Interference	Interference	1537 mm (60.5 in)	1637 mm (64.5 in)	1737 mm (68.4 in)	1837 mm (72.3 in)	1937 mm (76.3 in)	2037 mm (80.2 in)
480/80R34	Interference	Interference	1537 mm (60.5 in)	1637 mm (64.5 in)	1737 mm (68.4 in)	1837 mm (72.3 in)	1937 mm (76.3 in)	2037 mm (80.2 in)
540/65R34	Interference	Interference	Interference	1637 mm (64.5 in)	1737 mm (68.4 in)	1833 mm (72.2 in)	1941 mm (76.4 in)	2037 mm (80.2 in)
540/65R38	Interference	Interference	Interference	1641 mm (64.6 in)	1737 mm (68.4 in)	1837 mm (72.3 in)	1941 mm (76.4 in)	2041 mm (85.4 in)
600/65R34	Interference	Interference	Interference	1641 mm (64.6 in)	1737 mm (68.4 in)	1837 mm (72.3 in)	1941 mm (76.4 in)	2041 mm (85.4 in)

LGCKF7U,0000B3F-19-13APR21

Tighten Wheel Bolts Correctly

CAUTION: NEVER operate machine with a loose rim, wheel, hub, or axle.

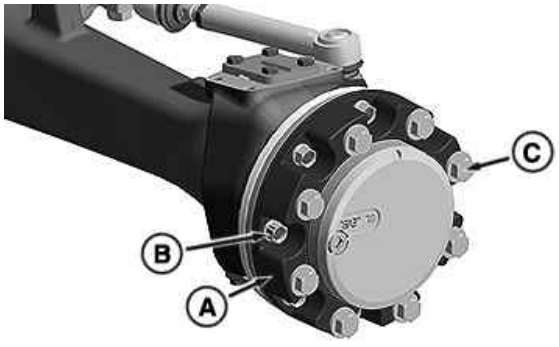
NOTE: Follow checking procedure when a new machine is first used or wheels have been off.

Any time hardware is loosened, tighten to specified torque. (See the relevant tightening specifications for the specific axle on the machine in this section.)

1. After driving machine about 100 m (109 yd) and before placing it under load, tighten hardware to specified torque.
2. Check hardware after working 3 hours and again after 10 hours.
3. Check all hardware frequently every 50 hours thereafter.

LGCKF7U,0000C51-19-11MAY21

Install Wheel Spacer



RXA0154078—UN—17NOV16

A—Spacer
B—Flange Nut
C—Cap Screws

NOTE: Front and rear wheel spacers are available. See your John Deere dealer.

Any time hardware is loosened, tighten to specified torque.

1. Install the spacer (A) over the hub.
2. Lubricate and install flange nuts (B).
3. Tighten to specified torque.

Specification

Flange Nut—Torque. . . . . 300 N·m (221 lb·ft)

4. Install wheel and tighten cap screws (C) to specified torque. (See Tighten Wheel Bolts Correctly for the specific axle on the machine in this section.)

LGCKF7U,0000C52-19-11MAY21

Tighten Wheel Bolts—2WD Front Axle

LV14726—UN—25AUG11

B—Disk-to-Flange Bolt (16 used)

1. Tighten disk-to-flange bolts (B) to specification.

Specification

2WD Front Axle Disk-to-Flange Bolts (B)—Torque. . . . . 175 N·m (130 lb·ft)

2. Drive machine 100 m (109 yd) and tighten again.

LGCKF7U,0000C53-19-11MAY21

Tighten Wheel Bolts—MFWD Axle

LV14727—UN—25AUG11

A—MFWD Wheel Rim-to-Disk Bolt (16 used)
B—MFWD Wheel Disk-to-Hub Nut (16 used)

1. Tighten MFWD wheel rim-to-disk bolts (A) to specification.

Specification

MFWD Wheel Rim-to-Disk Bolts
(A)—Torque. . . . . 245 N·m (180 lb·ft)

2. Tighten MFWD wheel disk-to-hub nuts (B) to specification.

Specification

MFWD Wheel Disk-to-Hub Nuts
(B)—Torque. . . . . 300 ± 30 N·m (221 ± 22 lb·ft)

3. Drive machine 100 m (109 yd) and tighten again.

HK75640,00010D6-19-14SEP20

Tighten Wheel Bolts—Rear Axle

LV14279—UN—10MAY11

A—Rear Wheel Rim-to-Disk Bolts
B—Rear Wheel Disk-to-Hub Nuts

1. Tighten wheel rim-to-disk bolts (A) to specification.

Specification	
Rear Wheel Rim-to-Disk Bolts (A)—Torque	245 N·m (180 lb·ft)

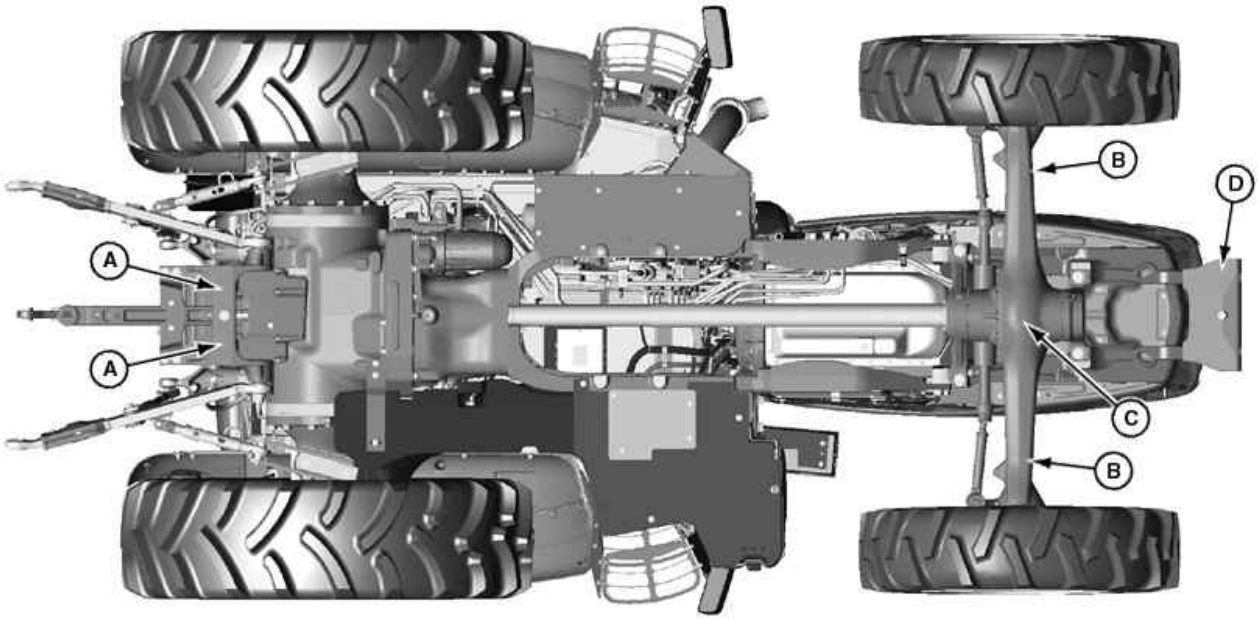
2. Tighten wheel disk-to-hub nuts (B) to specification.

Specification	
Rear Steel Wheel Disk-to-Hub Nuts (B)—Torque	550 ± 50 N·m (405 ± 36 lb·ft)

3. Drive machine 100 m (109 yd) and tighten again.

HK75640,00010D7-19-14SEP20

Jacking Up Machine



LV22152—UN—18JUN14

A—Rear of Machine Lift Point
B—Front of Machine Lift Point
C—Center of Axle Lift Point (use wooden wedges to prevent axle from tilting)
D—Front End of Machine under the Basic Weight

⚠ CAUTION: Use approved lifting equipment only. Jack up the machine on firm, level ground only.

Before doing any work on the machine, first secure it using suitable jackstands.

NOTE: It is recommended to remove front ballast weights before lifting front end of machine.

APY40980—UN—07DEC20

APY40982—UN—07DEC20

On Right-Hand Side Fender (OOS)

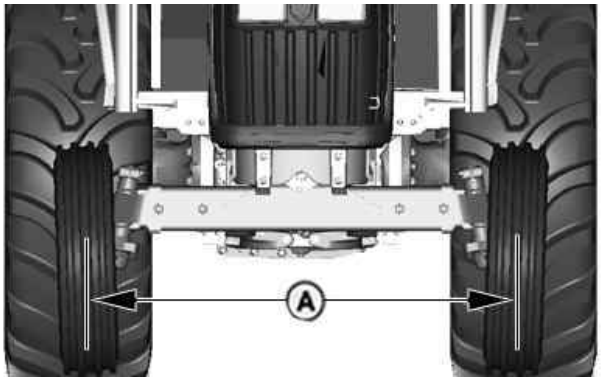
APY40988—UN—07DEC20

On Right-Hand Side Post (CAB)

The illustration shows the recommended lifting points for jacking up the machine. Use a stable jack with sufficient lifting force. (See Specifications section.)

LX1049890—UN—11FEB11
LGCKF7U,0000C54-19-11MAY21

Check Toe-In—2WD Axle



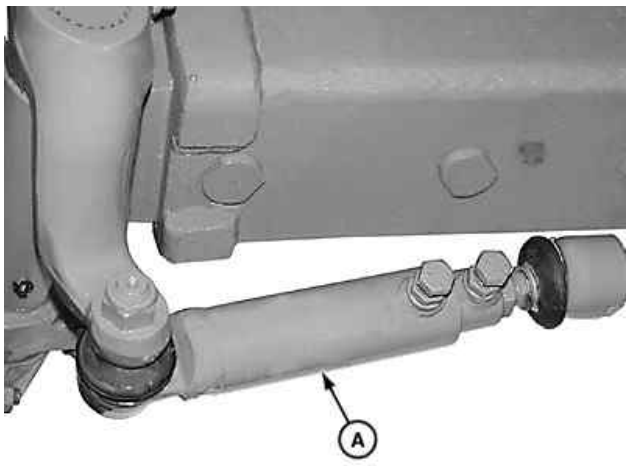
PULV000543—UN—28AUG08

A—Front Axle Toe-In Distance

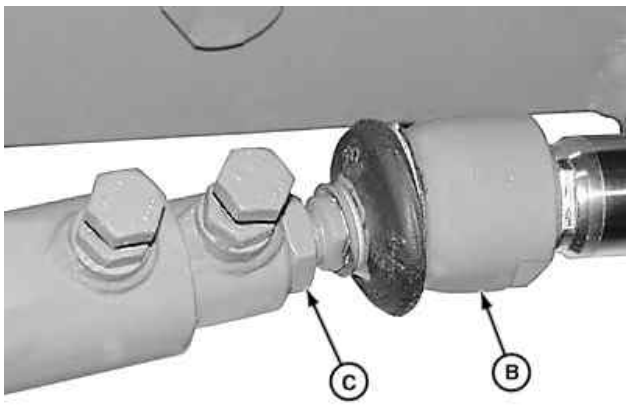
1. Park machine on a level surface.
2. Turn steering wheel so front wheels are in the straight-ahead position. Stop engine.
3. Measure front axle toe-in distance (A) between tires at hub level in front of axle. Record measurement and mark the tires.
4. Move machine back about 1 m (3 ft), so mark is at hub level behind the axle. Again, measure distance between tires at same point on tire. Record measurement.
5. Determine the difference between front and rear measurements. If the front measurement is smaller, toe is in. If the rear is smaller, toe is out.
6. Distance (A) at the front of tires should be 3—6 mm (1/8—1/4 in) less than distance measured at rear of tires. Adjust toe-in if necessary. (See Adjust Toe-In—2WD Axle in this section.)

HK75640,00010D9-19-14SEP20

Adjust Toe-In—2WD Axle



LV14730—UN—25AUG11



LV14731—UN—25AUG11

A—Tie Rod
B—Inner Rod
C—Tie Rod Lock Nut

1. Loosen tie rod lock nut (C) on left and right tie rods (A).
2. Adjust left and right sides equally by rotating the inner rod (B) to lengthen or shorten the tie rod to obtain a toe-in of 3—6 mm (1/8—1/4 in).

Tie Rod Rotation	Approximate Change in Toe-In
1/2 turn	8 mm (5/16 in)
1 turn	16 mm (5/8 in)

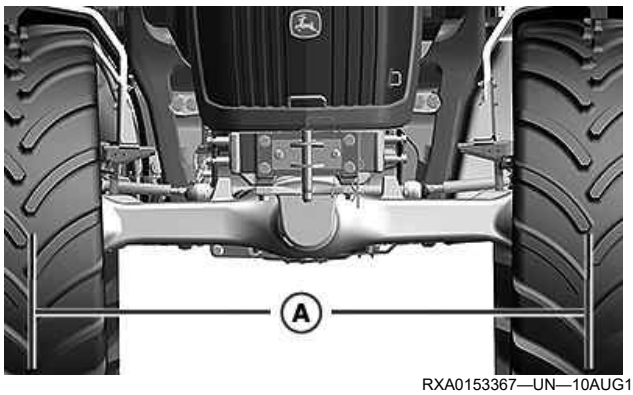
3. Tighten lock nuts to specification.

Specification

Tie Rod Lock Nut—Torque. . . . . 120 N·m (88 lb·ft)

HK75640,00010DA-19-14SEP20

Check Toe-In—MFWD Axle



RXA0153367—UN—10AUG16

A—MFWD Axle Toe-In Distance

1. Disengage MFWD and park machine on smooth, level surface. Steer front wheels straight ahead. Stop engine.
2. Measure MFWD axle toe-in distance (A) between centerline of tires at hub level in front of axle, using an outside lug of each tire or an inside lug of each tire. Record measurement and mark the tires.
3. Move machine back about 1 m (3 ft), so mark is at hub level behind the axle. Again, measure distance between tires at same point on tire. Record measurement.
4. Determine the difference between front and rear measurements. If the front measurement is smaller, toe is in. If the rear is smaller, toe is out. The difference may be in either direction (toe-in or toe-out), but must be less than 3 mm (1/8 in). Adjust toe-in if necessary. (See Adjust Toe-In—MFWD Axle in this section.)

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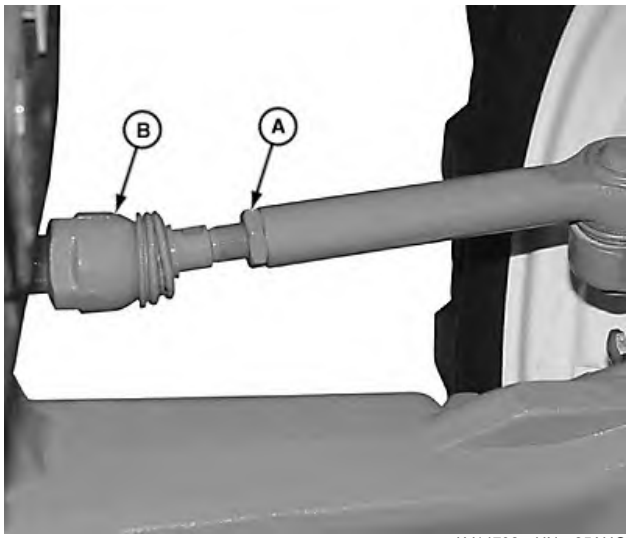
Adjust Toe-In—MFWD Axle



LV14732—UN—25AUG11

A—Tie Rod Lock Nuts

B—Inner Rod

1. Loosen tie rod lock nuts (A) on both ends of tie rod.
2. Adjust both sides equally by rotating the inner rod (B) to lengthen or shorten the tie rod to obtain toe-in or toe-out of less than 3 mm (1/8 in).

Tie Rod Rotation	Approximate Change
1/8 turn	4 mm (3/16 in)
1/4 turn	8 mm (3/8 in)
1/2 turn	16 mm (5/8 in)

3. Tighten lock nuts to specification.

Specification

Tie Rod Lock Nut—Torque. . . . . 220—240 N·m (162—177 lb·ft)

LGCKF7U,0000C56-19-11MAY21

4. Loosen lock nut (A) on steering stop and adjust steering stop bolt (B) so it touches steering stop (C). Shorten the stop bolt (B) in order to obtain maximum turning angle if necessary.
5. Tighten steering stop bolt retaining lock nut (A) to specifications.

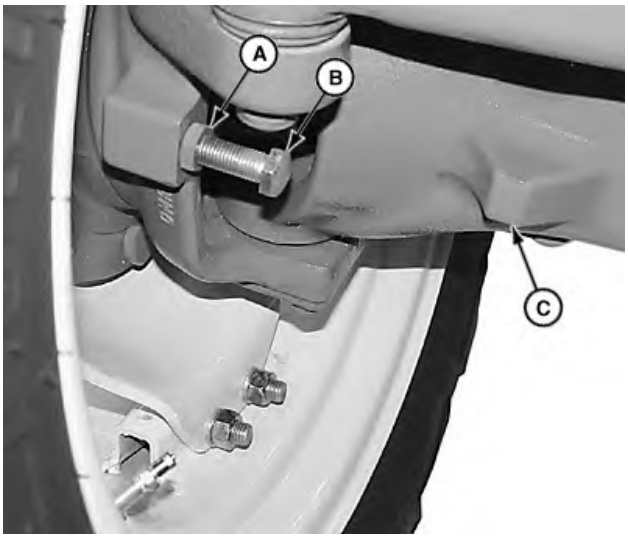
Specification

Steering Stop Bolt Retaining Lock Nut—Torque. . . . . 125 N·m (92 lb·ft)

6. Turn wheel fully to the left. Impact knuckle housing to steering stop five times.
7. Tighten steering stop bolt retaining nuts again to specification.
8. Repeat steps for the right side.

HK75640,00010DD-19-14SEP20

Set Steering Stops



LV14733—UN—25AUG11

A—Steering Stop Lock Nut
B—Steering Stop Bolt
C—Steering Stop

NOTE: Wide tread settings and large tire sizes increase turn radius slightly.

1. Raise and support front of the machine so the MFWD axle can be oscillated to its stops.
2. Slowly turn steering wheel to the left until steering cylinder travel has reached its limit, the steering stops, or the tires are within 25 mm (1 in) of grille screen or side panels.
3. Raise left side of the axle against its stop and measure clearance between tire and nearest machine component. The distance must not be less than 25 mm (1 in).