

**M105, M155, and M205 Drive Wheel Nut Installation For SPN D61, SPN E03 SPN E04, or E06
Safety Product Modification**

1. Remove decal MD #166472 (220 ft-lbs) from the right hand window of the windrower.



Figure 1 – Windrower R/H Window Decal

2. Apply decal MD #166575 (170 ft-lbs) in the same location. Refer to the approximate dimensions in Figure 2.
- 60 mm to the right of the R/H window hinge 160 mm up from the R/H window hinge

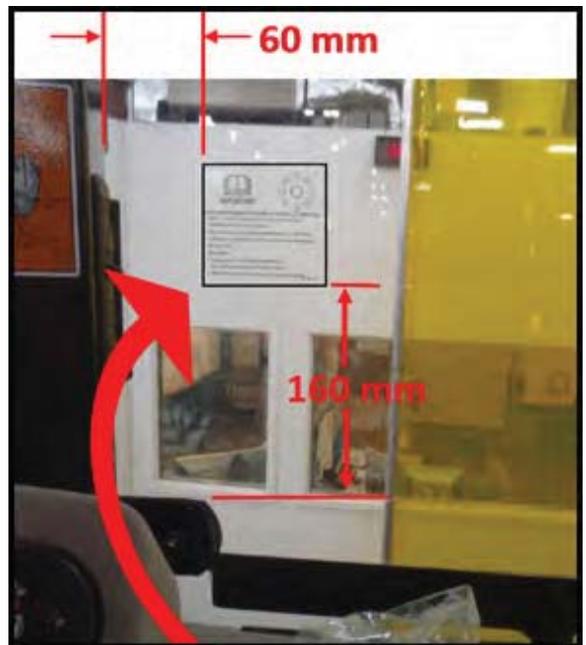


Figure 2 – R/H Window Decal

- Place decal MD #166584 (170 ft-lbs) directly on top of decal MD #166472 (220 ft-lbs) on both left hand and right hand drive tires on both the inside and outside of the rims.



Figure 3 – Drive Wheel Decal Location

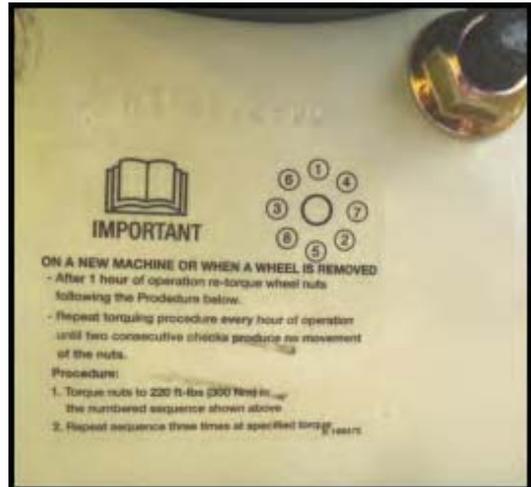


Figure 4 – Old Drive Wheel Decal

- Place decal MD #166454 to the right of each MD #166584 decal as shown in Figure 5.



Figure 5 – New Drive Wheel Decal MD #166584 And READ MANUAL Decal MD #166454

5. It is critical to ensure that the hardware is L9. Verify as follows:
 - Verify nut is L9 by ensuring it has 9 marks on one side (See Figure 6)
 - Verify washer is L9 by ensuring it has "L9" stamped on one side (see Figure 6)
6. Mark each wheel stud at the 12 o'clock position. Remove the old nuts **ONE AT A TIME** and replace with new washer and nut as per Step 7 and 8 **ONE AT A TIME** in the numbered sequence shown on the new drive wheel decal (Figure 7). Check to see if the mark on the stud moves when the nut is being removed. If the mark and stud are moving, replace the wheel bolt.
7. Inspect the threads on each stud for damage. Spin on nut only, by hand to check entire thread length to the wheel rim. Remove nut, If thread damage is evident, replace the wheel bolt.

For Auburn Gear drive wheels, use MD #49880
Wheel Bolt 5/8"NF x 60LG.

8. Inspect wheel bolt hole on the rim (**that hole is concentric around bolt**) to see if there is any elongation or wallowing out or other obvious damage. If there is no damage replace old nut with the new hardened washer and L9 nut. Thread the nut on using hand tools only until they meet the washer. **Nuts should be installed dry. Do not lubricate threads** with oil or products such as **Never Seez®**. Tighten to 170 ft-lbs (230 Nm).
9. After inspecting wheel bolt holes, if multiple holes are damaged this is an indication wheel bolt clamping force was compromised. Replace the wheel rim and all 8 wheel bolts. When (if) replacing wheel bolts, add a couple of drops of a retaining compound such as Loctite® 609™ to the knurled shoulder **only**, of the new wheel bolt. Insert bolt till knurled shoulder engages power wheel bolt hole engaging previous knurling marks. Tap bolt in to seat head flush with hub.
10. Along with new L9 hardware, it is important to adhere to the new torque procedure as shown on the new decal in Figure 7. After all nuts are replaced, re-torque the new nuts to **170 ft-lbs (230 Nm)** in the numbered sequence shown on the decal.

DO NOT OVERTORQUE. Doing so may cause damage to the stud.

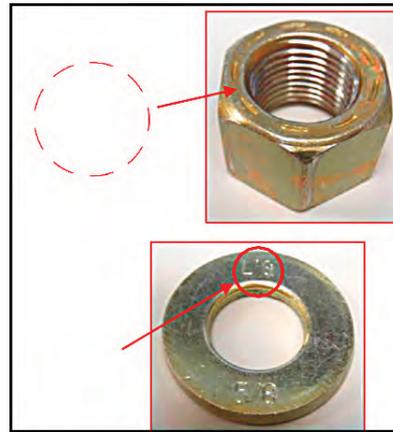


Figure 6 – Nut And Washer Identification

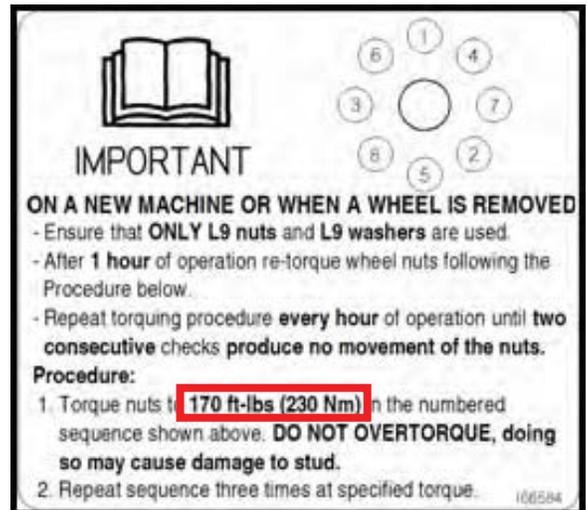


Figure 7 – New Drive Wheel Decal With New Torque Specification



Figure 8 – New L9 Nut And Washer

166590

MD KIT ENGLISH

PART NO	DESCRIPTION	QTY
136632	NUT - HEX L9 5/8-18-L9-ZP	16
136633	WASHER - FLAT HARDENED 5/8 IN. NOMINAL (L9)	16
169847	INSTRUCTION - SPM D61 SB1361 WHEEL NUTS & WASHERS	1
169570	INSTRUCTION - QUICK CARD M105	1
169565	INSTRUCTION - QUICK CARD M155	1
169475	INSTRUCTION - QUICK CARD M205	1
166575	DECAL - BOLT TORQUE	1
166584	DECAL - BOLT TORQUE	4
166454	DECAL - READ MANUAL	4

Inserting Supplemental Pages Into Customer's Existing Manuals

Remove printed package from shrink wrap.

The package has information for M105, M155 and M205.

Depending on which unit you are working on, pull the appropriate model-specific information from the package and discard the rest.

The information consists of:

- Pages destined for the Op Manual
- Pages destined for the Parts Catalog

Insert the new pages into the existing Op Manual and Parts Catalog.
Trim page to fit book and tape or glue over existing page.

NOTE: At the beginning of each section is a page reference table to help find the appropriate section in the books for the new pages.

Quick Card

Each Model Windrower has a specific Quick Card for it. Leave the appropriate model Quick Card in the cab for quick reference. Discard Quick Card that does not apply to the unit you are updating.

NOTE: This form contains pages intended to be cut out and inserted into customers existing manuals as noted above.

M105

Self-Propelled Windrower

Supplement to Operator's Manual

169552_SUPPLEMENT Rev. D

Supplement to the M105 Self-Propelled Windrower Operator's Manual

Issued November 28, 2013

This supplement contains important updates to the information in your M105 Self-Propelled Windrower Operator's Manual. It is vital that you are aware of and use this new information.

Insert the attached pages into the appropriate sections of the operator's manual. Retain this cover sheet for your records.

Topic Title	Page Reference In Original Manual
Break-In Inspections	122
Wheel Nut Torque	184
Drive Wheel Installation	186-187

MAINTENANCE AND SERVICING

Use this table instead of the one provided on page 122 in the original manual.

7.4.2 Break-In Inspections

	ITEM	SEE SECTION
1 Hour	Check Drive Wheel Nut Torque - 170 ft·lbf (230 N·m). Repeat Checks Every Hour Until Torque Stabilizes.	7.12.1.2
At 5 Hours	Check A/C Belt Tension.	7.8.10.1
	Check Caster Wheel Nut Torque - 120 ft·lbf (163 N·m).	7.12.2.3
	Check Caster Wheel Anti-Shimmy Dampener Bolt Torque. Inboard Bolts - 100 ft·lbf (135 N·m). Outboard Bolts - 85 ft·lbf (115 N·m).	7.12.2.6
	Check Walking Beam Width Adjustment Bolts Torque - 330 ft·lbf (448 N·m).	6.3.6
At 10 Hours	Check Walking Beam Width Adjustment Bolts Torque - 330 ft·lbf (448 N·m).	6.3.6
	Check NEUTRAL Adjustment.	See Dealer.
At 50 Hours	Check Hose Clamps - Air Intake / Radiator / Heater / Hydraulic. Hand-tighten unless otherwise noted.	Various
	Check Walking Beam Width Adjustment Bolts Torque - 330 ft·lbf (448 N·m).	6.3.6
	Check Caster Wheel Anti-Shimmy Dampener Bolt Torque. Inboard Bolts - 100 ft·lbf (135 N·m). Outboard Bolts - 85 ft·lbf (115 N·m).	7.12.2.6
	Change Drive Wheel Lubricant.	7.12.1.3
	Change Hydraulic Oil Filters.	7.11.3

MAINTENANCE AND SERVICING

7.12 WHEELS AND TIRES

7.12.1 Drive Wheels

7.12.1.1 Tire Inflation

- Visually check daily that tires have not lost pressure. Under-inflation of drive tires can cause side wall cracks.



DANGER

To avoid severe personal injury or death caused by machine runaway, shut off engine, and remove key before performing any of the following checks and/or adjustments.

- Measure tire pressure annually with a gauge. Maintain the pressure as follows:
 - Determine tire size and type that is installed on your machine.
 - See Section 4.2 *SPECIFICATIONS* to determine recommended tire pressure.
 - Adjust tire pressure as required.



DANGER

- NEVER install a tube in a cracked wheel rim.
- NEVER weld a wheel rim.
- Make sure all the air is removed from a tire before removing the tire from the rim.
- NEVER use force on an inflated or partially inflated tire. Make sure the tire is correctly seated before inflating to operating pressure.
- Do NOT remove, install or make repairs to a tire on a rim unless you have the proper equipment and experience to perform the job. Take the tire and rim to a qualified tire repair shop.
- If the tire is not correctly located on the rim, or if too full of air, the tire bead can loosen on one side, causing air to leak at high speed and with great force. An air leak of this nature can thrust the tire in any direction, endangering anyone in the area.
- Do NOT exceed maximum inflation pressure as per label on tire.
- Nuts should be installed dry. Do not lubricate threads with oil or products such as Never Seez®.

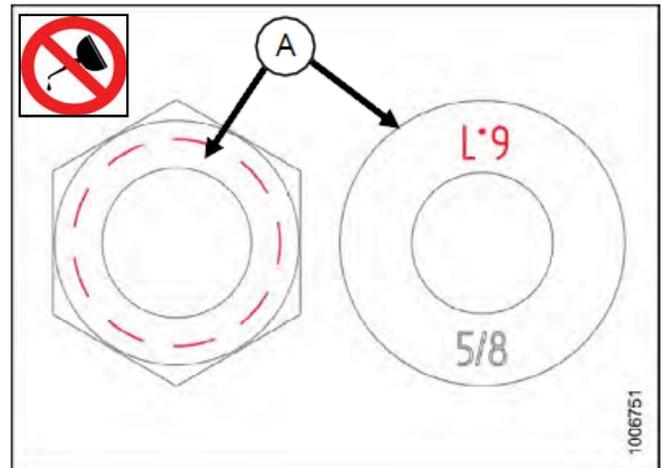
7.12.1.2 Wheel Nut Torque

At first use, or when a wheel is removed, re-torque drive wheel nut torque after one hour of operation.

Continue with torquing procedure at one hour intervals of operation until two consecutive checks produce no movement of the nuts.



- Tighten nuts to 170 ft·lbf (230 N·m) using the tightening sequence as shown above.



IMPORTANT

Verify nuts and washers are L9 by checking for markings (A) shown above.

NOTE

To avoid damage to wheel rims and studs, do NOT over-tighten wheel nuts.

- Repeat sequence three times.

MAINTENANCE AND SERVICING

Follow this procedure instead of the one provided on page 186 in the original manual.

7.12.1.4 Drive Wheel Removal/Installation



DANGER

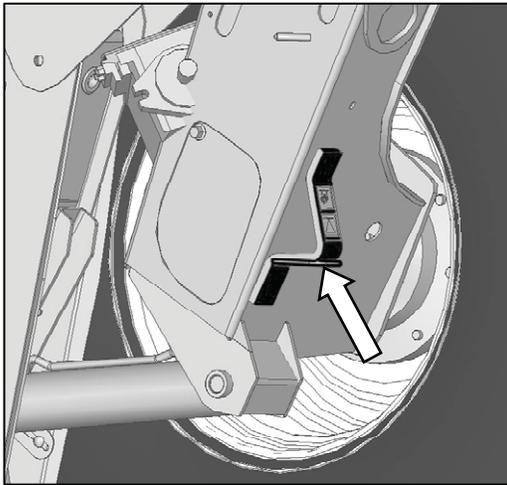
To avoid severe personal injury or death caused by machine runaway, shut off engine, and remove key before performing any of the following checks and/or adjustments.



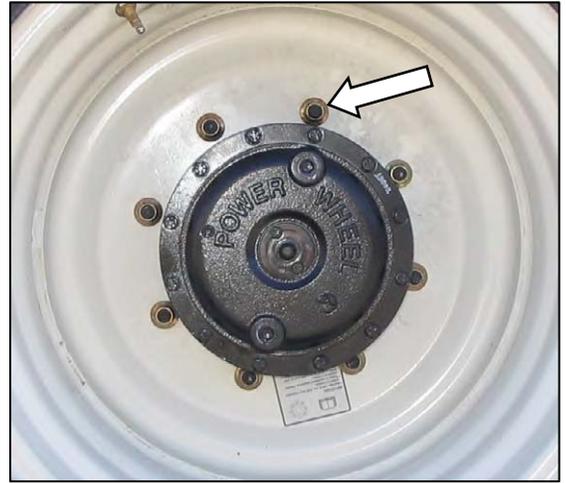
CAUTION

Header **MUST** be removed, and **NO** weight box installed. Use a hydraulic jack with minimum lifting capacity of 5000 lb (2268 kg) to provide adequate support for the machine.

- Remove header.
- Park windrower on level ground, and block all wheels.
- Place Ground Speed Lever (GSL) in N-DETENT, shut down engine, and remove key.



- Jack up windrower under leg jack point, and raise windrower wheel slightly off ground.



- Undo wheel nuts, and remove wheel.

NOTE

To install new tire, ensure that air valves are on the outside, and tire tread points forward.

NOTE

For Turf tires (diamond tread), be sure arrow on sidewall points in forward rotation.

- Place wheel on hub.

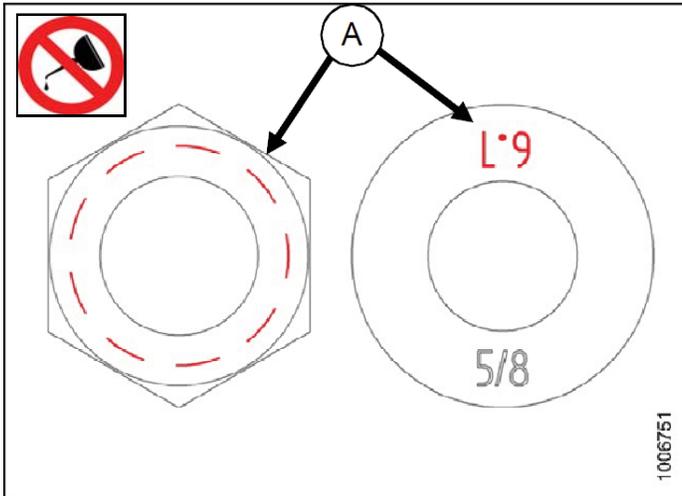


- Install L9 nuts and L9 washers, and tighten to 170 ft-lbf (230 N·m) using the tightening sequence as shown above.

Nuts should be installed dry. Do not lubricate threads with oil or products such as Never Seez®.

(continued next page)

MAINTENANCE AND SERVICING



IMPORTANT

Verify nuts and washers are L9 by checking for markings (A) shown above.

NOTE

To avoid damage to wheel rims and studs, do **NOT** over-tighten wheel nuts.

- h. Repeat sequence three times.
- i. Lower windrower, and remove jack.
- j. Re-check the torque as per Section 7.12.1.2 Drive Wheel Nut Torque.



Nuts should be installed dry. Do not lubricate threads with oil or products such as Never Seez®.

7.12.2 Caster Wheels

7.12.2.1 Tire Inflation

- a. Visually check daily that tires have not lost pressure. Under-inflation of drive tires can cause side wall cracks.



DANGER

To avoid severe personal injury or death caused by machine runaway, shut off engine, and remove key before performing any of the following checks and/or adjustments.

- b. Measure tire pressure annually with a gauge. Maintain the pressure as shown in Section 4.2 SPECIFICATIONS.

NOTE

If caster wheels shimmy, a possible cause is over-inflation.



DANGER

- NEVER install a tube in a cracked wheel rim.
- NEVER weld a wheel rim.
- Make sure all the air is removed from a tire before removing the tire from the rim.
- NEVER use force on an inflated or partially inflated tire. Make sure the tire is correctly seated before inflating to operating pressure.
- Do NOT remove, install or make repairs to a tire on a rim unless you have the proper equipment and experience to perform the job. Take the tire and rim to a qualified tire repair shop.
- If the tire is not correctly located on the rim, or if too full of air, the tire bead can loosen on one side, causing air to leak at high speed and with great force. An air leak of this nature can thrust the tire in any direction, endangering anyone in the area.



- Use a safety cage if available.
- Do NOT stand over tire. Use a clip-on chuck and extension hose.

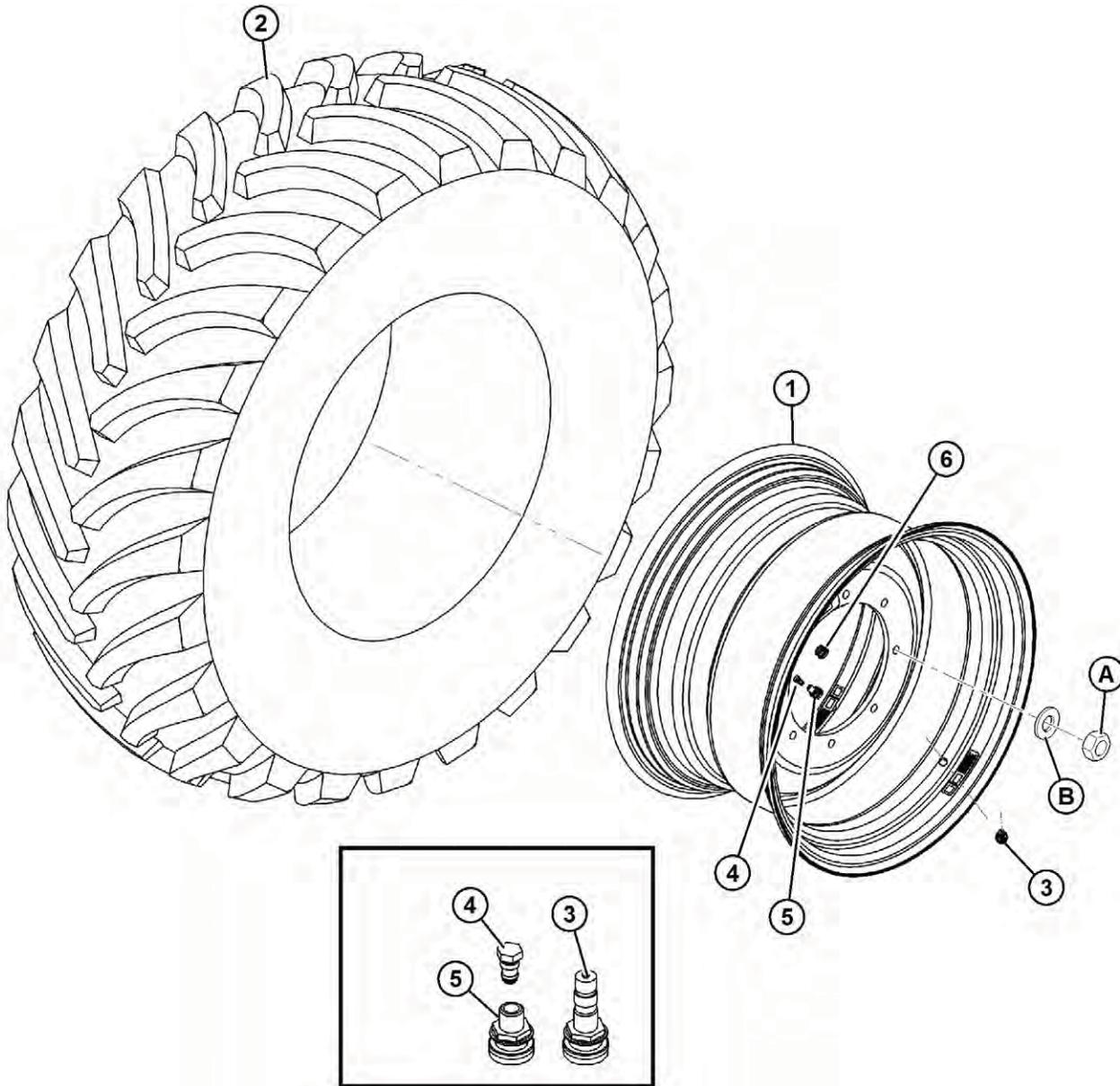
M105
Self-Propelled Windrower

PARTS CATALOG

SUPPLEMENT_Part #169549 Rev. D

Original Instruction

DRIVE WHEELS AND TIRES

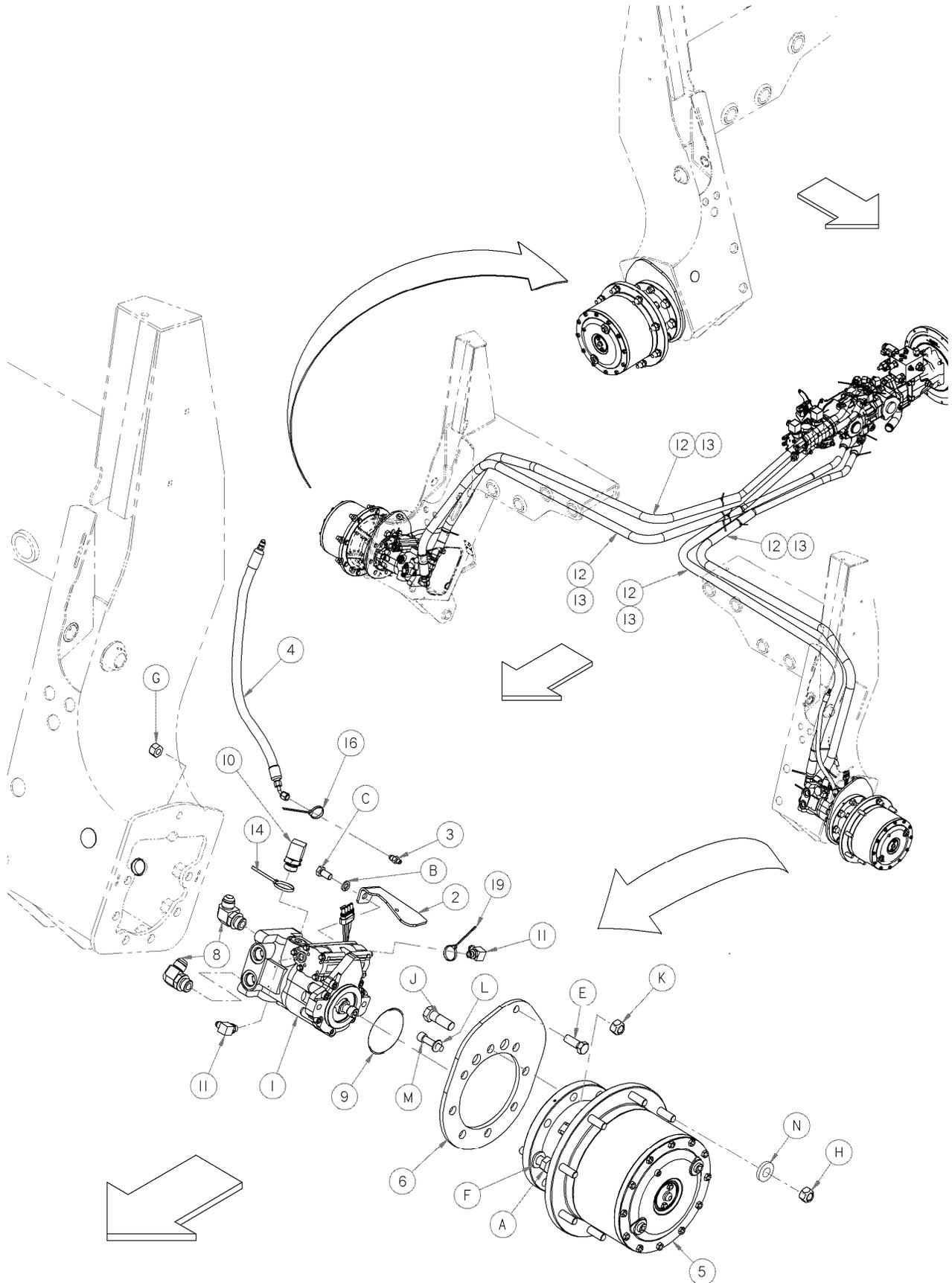


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DRIVE WHEELS AND TIRES

REF	PART NUMBER	DESCRIPTION	QTY	SERIAL NUMBER
	B4632	Kit - Drive Tires - TURF 23.1-26		See note 1
1	111699	WHEEL 26DW-20L C/W DECALS.....	2	
2	111695	TIRE 23.1 X 26 R3 10 PLY	2	
3	112475	STEM	2	
4	135611	PLUG – VALVE STEM	2	
	B4944	Kit - Drive Tires - BAR 600-65 R28		See note 1
1	162019	WHEEL - 28 X 18 C/W DECALS	2	
2	162022	TIRE – 600-65 R28 BAR TREAD.....	2	
3	112475	STEM-VALVE (METAL).....	2	
	B4634	Kit - Drive Tires - TURF 18.4-26		See note 1
1	162295	WHEEL 26DW-16L C/W DECALS & VALVE STEMS (reversible)	2	
2	163601	TIRE-18.4 X 26 R3, TURF	2	
3	112475	STEM-VALVE (METAL).....	2	
4	135611	PLUG – VALVE STEM.....	2	
5	162435	SPUD – WHEEL	2	
	B4633	Kit - Drive Tires – BAR 18.4-26.....		See note 1
1	162295	WHEEL 26DW-16L C/W DECALS & VALVE STEMS (reversible)	2	
2	111694	TIRE 18.4 X 26 R1 - BAR	2	
3	112475	STEM-VALVE (METAL).....	2	
4	135611	PLUG – VALVE STEM.....	2	
5	162435	SPUD – WHEEL	2	
	B5506	Kit - Drive Tires - TURF 580-70R26.....		See note 1
1	111699	WHEEL 26DW-20L C/W DECALS.....	2	
2	162431	TIRE - 580-70R26, TURF RADIAL	2	
3	112475	STEM-VALVE (METAL).....	2	
4	135611	PLUG – VALVE STEM	2	
A	136632	NUT - HEX L9 5/8–18–L9–ZP		
B	136633	WASHER - FLAT HARDENED 5/8/IN. NOMINAL (L9)		
	NOTE:	1. Kits available through Whole Goods only.		

DRIVE WHEEL MOTOR ASSEMBLY – BOLTED FRAME



DRIVE WHEEL MOTOR ASSEMBLY – BOLTED FRAME

REF	PART NUMBER	DESCRIPTION	QTY	SERIAL NUMBER
1	162241	MOTOR-WITH SPEED SENSOR.....	1	
	162230	MOTOR WITHOUT SPEED SENSOR	1	
2	162237	GUARD-SENSOR.....	1	
3	112184	FITTING - ADAPTER HYD	2	
4	111693	HOSE-HYDRAULIC.....	2	
5	162236	DRIVE- WHEEL AUBURN 41.42:1	2	
6	111266	PLATE - WHEEL DRIVE.....	2	
8	30970	FITTING - ELBOW 90° HYD.....	4	
9	30045	O-RING	2	
10	135641	FITTING - ELBOW 90° HYD.....	2	
11	30282	FITTING - ELBOW 90° HYD.....	4	
12	162085	HOSE-HYD	4	
13	112939	SLEEVE- TRACTION HOSE	4	
14	49227	FASTENER-CABLE TIE GREEN	5	
15	40701	FASTENER-CABLE TIE-YELLOW (located at pump)	3	
16	21763	FASTENER - CABLE TIE BLACK	1	
17	40702	FASTENER-CABLE TIE RED (located at pump).....	3	
18	49232	FASTENER-CABLE TIE WHITE (located at pump).....	3	
19	135266	FASTENER - CABLE TIE LIGHT BLUE	2	
A	112128	BOLT - HEX HD .750-1L UNF X 2.75		
B	18638	WASHER - REG. LOCK 1/2 IN. NOM. ID ZP		
C	21575	BOLT - HH 1/2 NC X 1.0 LG GR 5 ZP		
E	21582	BOLT - HH 5/8 NC X 1.75 LG GR5 ZP		
F	112130	WASHER - HARDENED		
G	18666	NUT-HEX LOCK DT 5/8-11 UNC ZP		
H	136632	NUT - HEX L9 5/8-18-L9-ZP		
J	136016	BOLT-HEX HD 3/4-10UNC X 2.25 IN. LG		
K	18689	NUT - HEX LOCK DT .750-10UNC		
L	136027	WASHER- HARDENED		
M	135376	BOLT - SKT HD 1/2 NC X 2.00 LG GR. 8		
N	136633	WASHER - FLAT HARDENED 5/8/IN. NOMINAL (L9)		

INFORMATION DECALS & REFLECTORS

IMPORTANT

AFTER ADJUSTING WIDTH OF WALKING BEAM:

1. Snug all four bottom bolts (A).
2. Tighten eight back bolts (B) to 330 ft. lbs.
3. Return to bolts (A) and tighten to 330 ft. lbs.
4. After four hours operation check that all bolts are still at 330 ft. lbs.
5. Check daily until torque values do not change.

This product may be covered by one or more of the following patents:

CDN. # 1075914	U.S. # 35543
CDN. # 1226739	U.S. # 4246909
CDN. # 1240158	U.S. # 4573309
CDN. # 1244248	U.S. # 4660361
CDN. # 1267292	U.S. # 4662161
CDN. # 1322104	U.S. # 4909026
AUSTRALIA # 615149	U.S. # 5086613
AUSTRALIA # 617521	U.S. # 5157506
KAZAKHSTAN # 4372	U.S. # 5243810
RUSSIA # 1828389	U.S. # 5261290
UKRAINE # 3440	U.S. # 5435239
ITALY # 0717922	U.S. # 5459906
FRANCE # 0717922	U.S. # 5473872
GERMANY # 0717922	U.S. # 5678398
U.K. # 0717922	U.S. # 5791128
	U.S. # 6927606
	U.S. # 5970955
	U.S. # 5392759
	U.S. # 6029429

Other patents pending.

HYDRAULIC SYSTEM

USE SAE 15W40 ENGINE OIL

Check oil level daily. Fill to "FULL" mark with header on ground. Refer to operator's manual for oil specifications. Approximate refill capacity: 45 litres, or 11.5 US gallons.

CLOSED COOLANT SYSTEM

- Pressurized radiator cap – KEEP TIGHT.
- Coolant system is factory filled with 50% anti-freeze/water mixture.
- Maintain coolant level in reservoir within "NORMAL" range shown.
- Refer to the Operator's Manual for safe procedure to refill the radiator.

IMPORTANT

ON A NEW MACHINE OR WHEN A WHEEL IS REMOVED

- Ensure that ONLY L9 nuts and L9 washers are used.
- After 1 hour of operation re-torque wheel nuts following the Procedure below.
- Repeat torquing procedure every hour of operation until two consecutive checks produce no movement of the nuts.

Procedure:

1. Torque nuts to 170 ft-lbs (230 Nm) in the numbered sequence shown above. **DO NOT OVERTORQUE**, doing so may cause damage to stud.
2. Repeat sequence three times at specified torque.

IMPORTANT

ON A NEW MACHINE OR WHEN A WHEEL IS REMOVED

- Ensure that ONLY L9 nuts and L9 washers are used.
- After 1 hour of operation re-torque wheel nuts following the Procedure below.
- Repeat torquing procedure every hour of operation until two consecutive checks produce no movement of the nuts.

Procedure:

1. Torque nuts to 170 ft-lbs (230 Nm) in the numbered sequence shown above. **DO NOT OVERTORQUE**, doing so may cause damage to stud.
2. Repeat sequence three times at specified torque.

DO NOT REMOVE UNTIL DELIVERED TO END USER

IMPORTANT

ON A NEW MACHINE OR WHEN A WHEEL IS REMOVED

- Ensure that ONLY L9 nuts and L9 washers are used.
- After 1 hour of operation re-torque wheel nuts following the Procedure below.
- Repeat torquing procedure every hour of operation until two consecutive checks produce no movement of the nuts.

Procedure:

1. Torque nuts to 170 ft-lbs (230 Nm) in the numbered sequence shown above. **DO NOT OVERTORQUE**, doing so may cause damage to stud.
2. Repeat sequence three times at specified torque.

A/C SYSTEM SERVICE INFORMATION

This system contains fluorescent leak detection dye. Inspect with an ultraviolet light to pinpoint leaks. Dye is removed with refrigerant change. Receiver Drier contains dye inside.

Serviced by _____

Date _____

For optimum performance refer to operator's manual for correct tire pressure to match the attachment being carried.

IMPORTANT

DIESEL FUEL ONLY

REFRIGERANT 134a
Capacity: 1.63 kg or 3.6 lbs.
Service by qualified technician only

COMPRESSOR OIL
SANDEN SP-15 PAG OIL
Use of other oil voids warranty.

IMPORTANT

Torque wheel bolts to 120 ftlbs. Retorque after first hour of operation.

Before attaching to header, latch must be down to enable self-locking mechanism.

ID	FUSE	FUNCTION	ID	FUSE	FUNCTION	ID	FUSE	FUNCTION
F1	ATO	A/C BLOWERS	F9	ATO	ACC/AUX PWR REAR #1	F16	BRKR	WORK / TAIL / DOME LIGHTS
F2	ATO	CHASSIS POWER	F10	ATO	SPARE	F17	ATO	ACC/AUX PWR REAR #2
F3	BRKR	HEAD / WORK LAMPS	F11	ATO	ACC CONTROL	F18	ATO	RADIO MEMORY
F4	BRKR	WORK LAMPS	F12	ATO	SEAT MOTOR	F19	ATO	ECM POWER
F5	ATO	KEY - POWER	F13	BRKR	PARK BRAKE CIRCUIT	F20	ATO	GPS POWER
F6	ATO	WIPERS / HORN / BEACON	F14	ATO	TURN / HAZARD SIGNALS	F21	ATO	GPS SW POWER
F7	ATO	ECM IGNITION	F15	BRKR	ROAD LAMPS			
F8	ATO	LIGHTER / AUX PWR PLUG						

INFORMATION DECALS & REFLECTORS

REF	PART NUMBER	DESCRIPTION	QTY	SERIAL NUMBER
1	23165	DECAL – 50 HR LUBE		
2	109842	DECAL – IMPORTANT		
3	109205	DECAL – AUXILIARY POWER		
5	160369	DECAL - LIGHTS		
6	160320	DECAL-GROUND SPEED		
7	160321	DECAL-SWITCH PANEL		
8	166281	DECAL – HYDRAULIC OIL		
11	109206	DECAL – JACK HERE		
12	109207	DECAL – TIE DOWN		
13	32070	DECAL - PATENTS		
14	166575	DECAL – BOLT TORQUE		
15	111221	DECAL – TIRE PRESSURE		
16	134069	DECAL – COOLANT SYSTEM		
17	183336	DECAL – FUSE BLOCK		
18	160108	DECAL - CONTROL		
19	110987	DECAL - REFRIGERANT/OIL		
20	110988	DECAL - ENGINE OIL		
21	24769	DECAL – DIESEL FUEL ONLY		
22	160332	DECAL-IGNITION		
23	115147	REFLECTOR-RED.		
	115145	REFLECTOR - FLRSCNT RED-ORANGE		
	115146	REFLECTOR - amber		
25	101375	DECAL – torque wheel bolts (10x16 casters only)		
26	166273	DECAL – battery master disconnect		
27	139723	DECAL – latch handle		
28	166576	DECAL-BOLT TORQUE		
29	166509	DECAL-AIR COND DYE		
30	166454	DECAL – READ MANUAL		
		Note: For Russian language decals, see pages 136, 137		

PAINT

135148	PAINT - black, spray can (55 – 65 Gloss Level) (was 25990)
25991	PAINT - black, 1 litre (55 – 65 Gloss Level)
23950	PAINT - red, spray can (To be used for small touch ups only)
49832	PAINT – red, 1 US Quart. See note (1).
49833	ACTIVATOR – for paint, 1 US Pint.
49834	REDUCER – for paint, 1 US Quart.
49835	ACCELERATOR – for paint, 1 US Pint. See note (2).
32879	PAINT - white, spray can
23957	PAINT-white, 1 litre

NOTES:

- When ordering 49832 red paint, also order part numbers 49833 and 49834. These three parts (Paint, Activator and Reducer) must be premixed at a ratio of 2:1:1 respectively. This paint when mixed provides 2 sprayable quarts, which is approximately enough for one engine hood. Further instructions supplied with paint.
- Part 49835 is a paint accelerator. Adding approximately ½ to 1 oz. of accelerator per sprayable quart will speed up dry time. If paint accelerator is not added, there will be no change to paint, other than length of dry time.

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M155 **Self-Propelled Windrower**

Supplement to Operator's Manual

169563_SUPPLEMENT Rev. D

Original Instruction

1 Supplement to Operator's Manual

Issued November 28, 2013

This supplement contains important updates to the information in your M155 Self-Propelled Windrower Operator's Manual. It is vital that you are aware of and use this new information.

Insert the attached pages into the manual as follows:

Topic title	Page reference in original manual
Tightening Drive Wheel Nuts	367
Installing Drive Wheel	369–370
Lowering Drive Wheel	370
Break-in Inspections	380

2 Tightening Drive Wheel Nuts

At first use, or when a wheel is removed, re-torque drive wheel nut torque after one hour of operation.

Continue with torquing procedure at one hour intervals of operation until two consecutive checks produce no movement of the nuts.

1. Tighten nuts to 170 ft·lbf (230 Nm) using the tightening sequence as shown.

Nuts should be installed dry. Do not lubricate threads with oil or products such as Never Seez®.



Figure 2.1

IMPORTANT

Verify nuts and washers are L9 by checking for markings (A) shown at right.

NOTE: To avoid damage to wheel rims and studs, do **NOT** overtighten wheel nuts.

2. Repeat sequence three times.

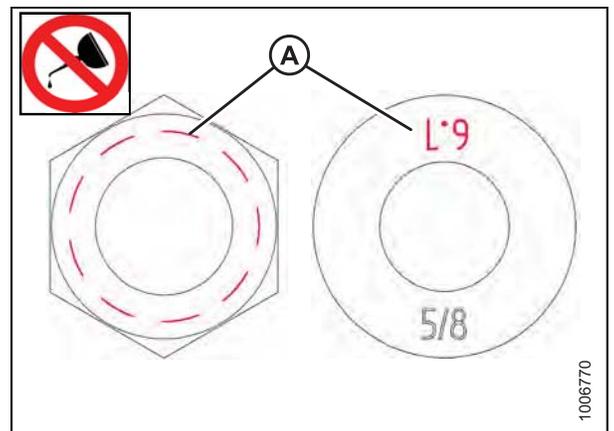


Figure 2.2: L9 hardware

Removing Drive Wheel

1. Raise the windrower drive tire off the ground, see [Raising Drive Wheel, page 368](#).
2. Remove wheel nuts (A).
3. Remove the wheel (B).

NOTE: Use an appropriate lifting device capable of supporting a minimum of 2000 lbs. (907 kg) to lift the wheel assembly away from the windrower.

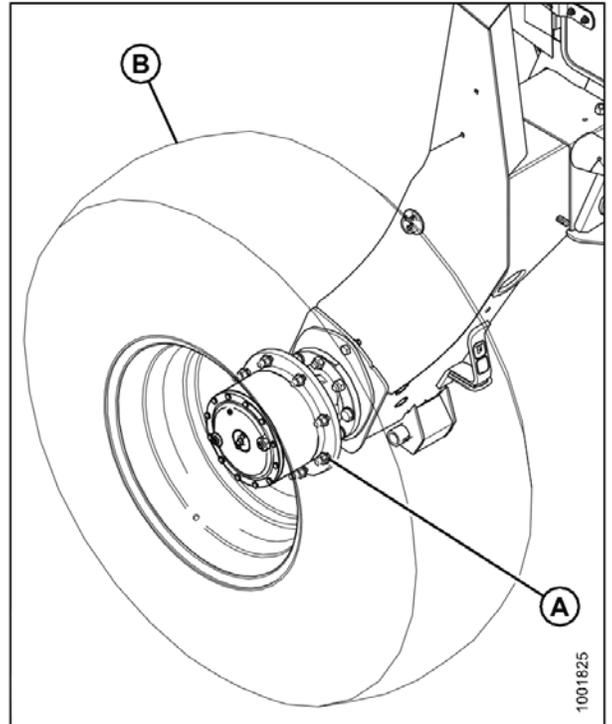


Figure 5.192

3 Installing Drive Wheel

1. Position the drive wheel (A) onto the wheel drive hub (B).

NOTE: Ensure that the valve stem (C) faces outboard, and that the tire tread (D) points forward when viewing tire from above.

NOTE: For Turf tires (diamond tread), be sure arrow on sidewall points in forward rotation.

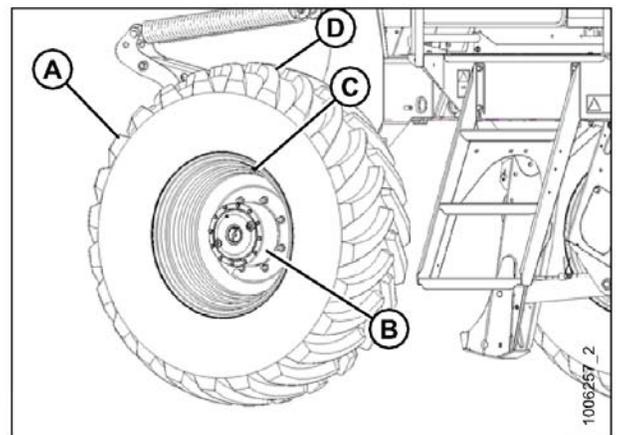


Figure 3.1

INSTALLING DRIVE WHEEL

- Line up the holes in the rim with the studs on the wheel drive hub, and install L9 nuts (E) and washers.
- Tighten nuts (A) to 170 ft-lbf (230 N-m) using the tightening sequence shown. Repeat the sequence three times.

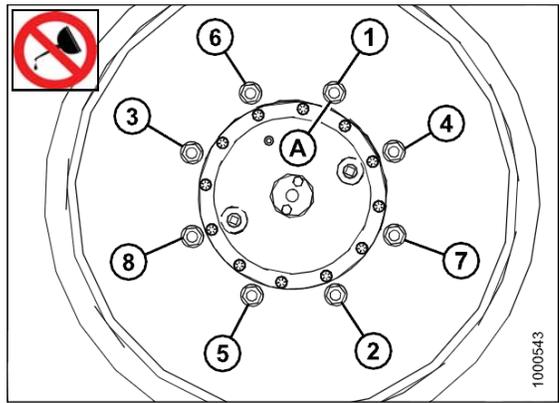


Figure 3.2

IMPORTANT

Verify nuts and washers are L9 by checking for markings (A) as shown at right.

IMPORTANT

To avoid damage to rim and studs, do NOT overtighten wheel nuts.

- Lower the windrower. See Section 3.1 Lowering Drive Wheel, page 6.
- After one hour of operation, re-torque the wheel nuts. Then check every hour until two consecutive checks produce no movement of the nuts.

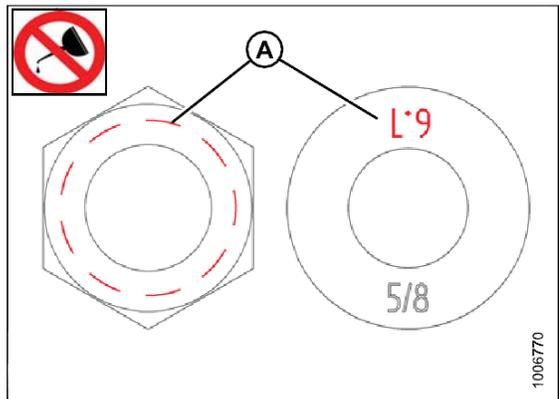


Figure 3.3: L9 hardware

Nuts should be installed dry. Do not lubricate threads with oil or products such as Never Seez®.



Nut should be installed dry. Do not lubricate threads with oil or products such as Never Seez®

3.1 Lowering Drive Wheel

This procedure can be used on both drive wheels.

- Place a jack under the leg jack point (A) and raise the drive wheel slightly off the jack stand.
- Remove the jack stand and lower the drive wheel to the ground.
- Remove the jack.

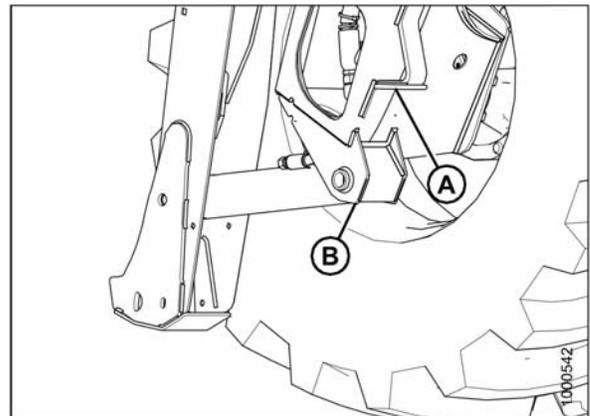


Figure 3.4

MAINTENANCE AND SERVICING

5.11 Maintenance Schedule

The Maintenance Schedule (see next page) specifies the periodic maintenance procedures and service intervals.

Regular maintenance is the best insurance against early wear and untimely breakdowns. Following this schedule will increase machine life.

For detailed instructions, refer to . Use the fluids and lubricants specified in [5.1.2 Recommended Fuel, Fluids, and Lubricants, page 266](#).

Service Intervals: The recommended service intervals are in hours of operation. Where a service interval is given in more than one time frame, e.g. 100 hours or annually, service the machine at whichever interval is reached first.

IMPORTANT

Recommended intervals are for average conditions. Service the machine more often if operated under adverse conditions (severe dust, extra heavy loads, etc.).



CAUTION

Carefully follow safety messages given under **RECOMMENDED SAFETY PROCEDURES**.

5.11.1 Break-In Inspections

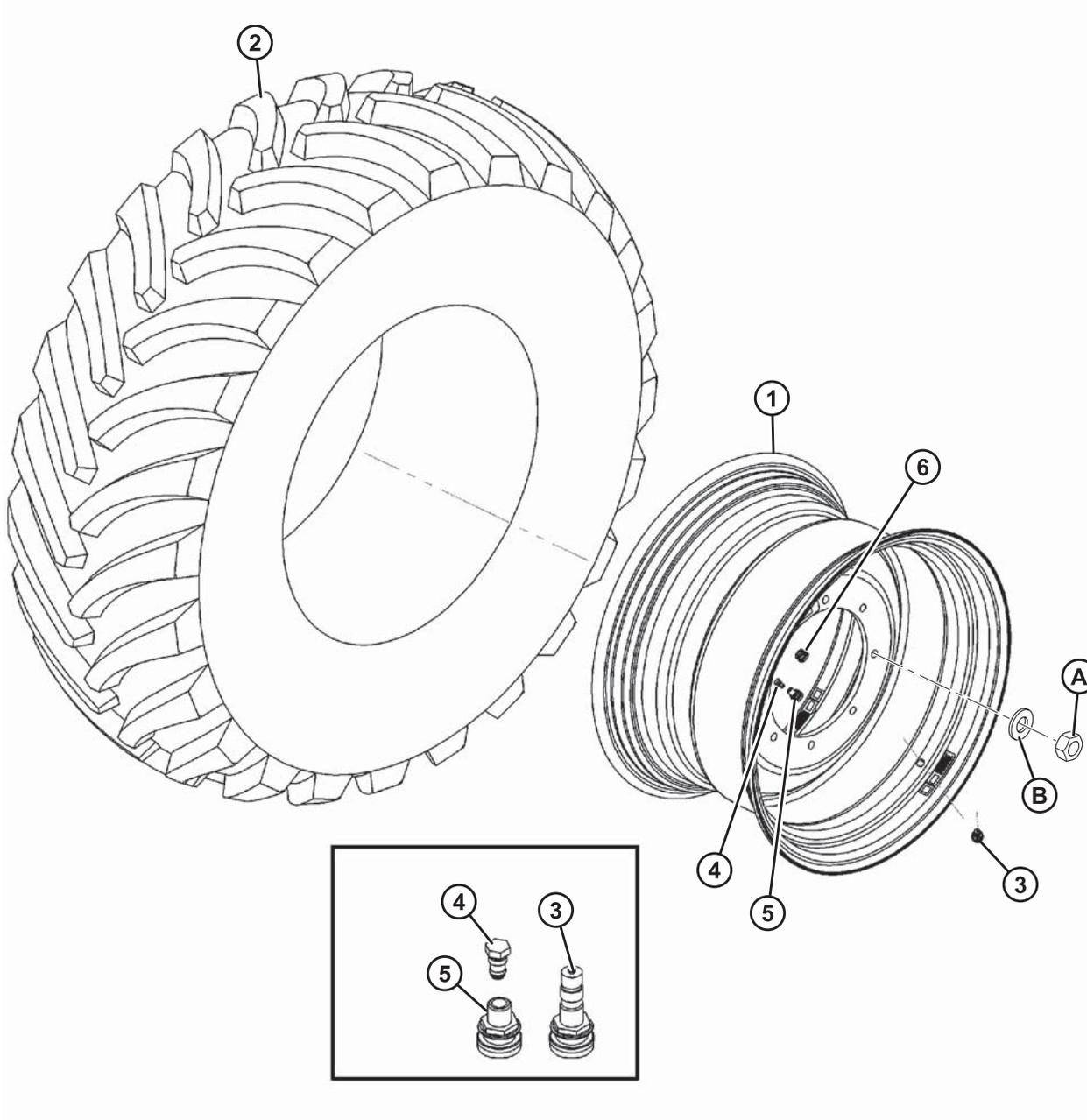
Break-in inspections		
Hours	Item	Check
1	Drive wheel nuts	Torque: 170 ft·lbf (230 N·m). Repeat checks at one hour intervals until torque stabilizes at two consecutive checks.
5	A/C compressor belt	Tension.
	Caster wheel nuts	Torque: 120 ft·lbf (163 N·m).
	Caster wheel anti-shimmy dampener bolts	Inboard bolt torque: 100 ft·lbf (135 N·m). Outboard bolt torque: 85 ft·lbf (115 N·m).
	Walking beam width adjustment bolts	Torque: 330 ft·lbf (448 N·m).
10	Walking beam width adjustment bolts	Torque: 330 ft·lbf (448 N·m).
	Neutral	Dealer adjusted.
50	Hose clamps: air intake / radiator / heater / hydraulic	Hand-tighten unless otherwise noted.
	Walking beam width adjustment bolts	Torque: 330 ft·lbf (448 N·m).
	Caster wheel anti-shimmy dampener bolts	Inboard bolt torque: 100 ft·lbf (135 N·m). Outboard bolt torque: 85 ft·lbf (115 N·m).
	Drive wheel lubricant	Change.
	Main gearbox oil	
	Charge system oil filter	
Manifold oil filter		

M155
Self-Propelled Windrower

Parts Catalog

SUPPLEMENT_169564 Rev. D

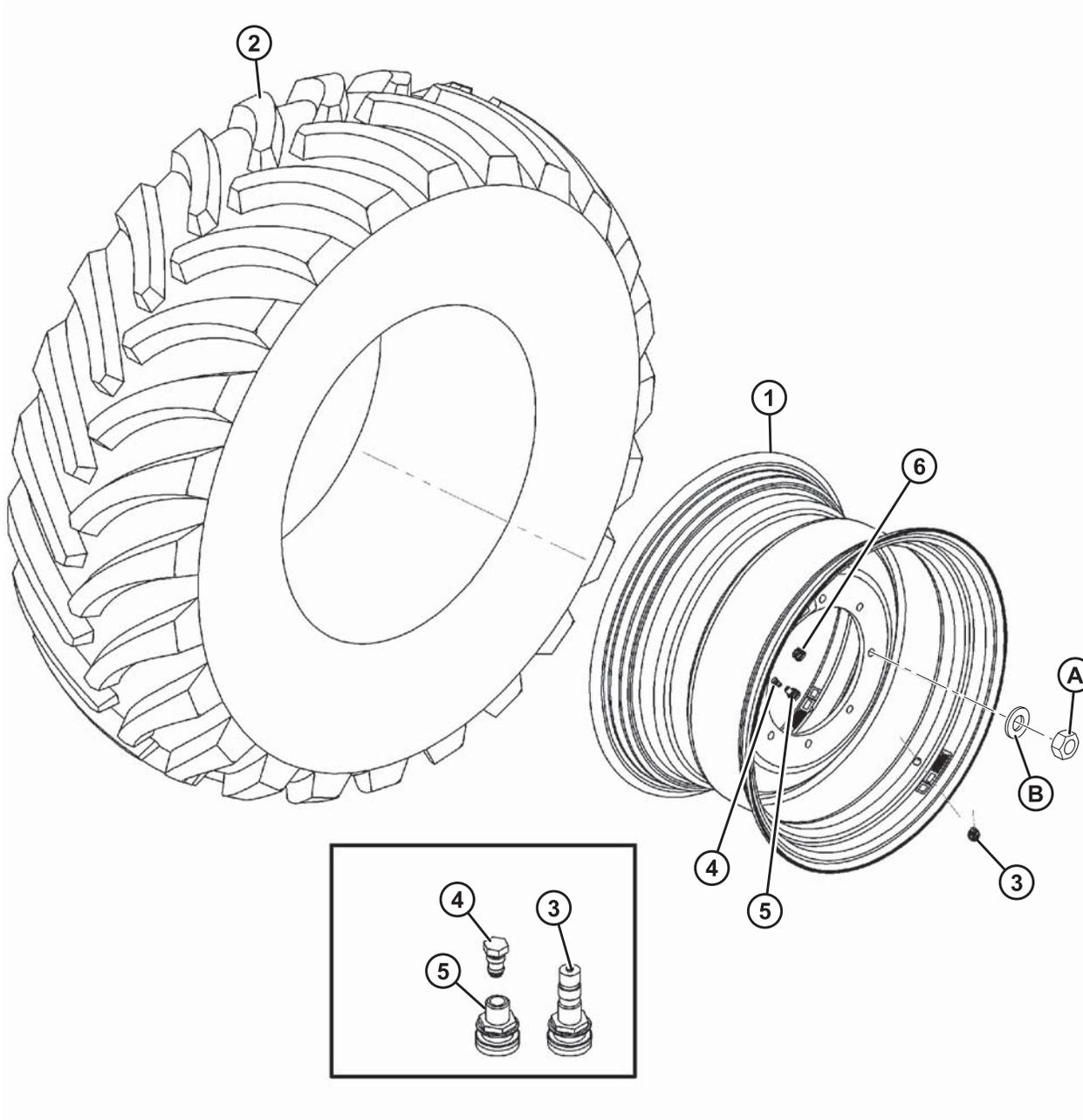
12 Drive Wheels and Tires



DRIVE WHEELS AND TIRES

Ref	Part Number	Description	Qty	Serial Number
	B4632	Kit — Drive Tires - TURF 23.1-26 (Kit available through Whole Goods only.)		
1	111699	WHEEL – 26DW-20L C/W DECALS	2	
2	111695	TIRE – 23.1 X 26 R3 10 PLY	2	
3	112475	STEM	2	
4	135611	PLUG – VALVE STEM	2	
	B4944	Kit – Drive Tires - BAR 600-65 R28 (Kit available through Whole Goods only.)		
1	162019	WHEEL – 28 X 18 C/W DECALS	2	
2	162022	TIRE – 600-65 R28 BAR TREAD	2	
3	112475	STEM – VALVE (METAL)	2	
	B4634	Kit – Drive Tires - TURF 18.4-26 (Kit available through Whole Goods only.)		
1	162295	WHEEL – 26DW-16L C/W DECALS & VALVE STEMS (reversible)	2	
2	163601	TIRE – 18.4 X 26 R3, TURF	2	
3	112475	STEM – VALVE (METAL)	2	
4	135611	PLUG – VALVE STEM	2	
5	162435	SPUD – WHEEL	2	
	B4633	Kit – Drive Tires – BAR 18.4-26 (Kit available through Whole Goods only.)		
1	162295	WHEEL – 26DW-16L C/W DECALS & VALVE STEMS (reversible)	2	
2	111694	TIRE – 18.4 X 26 R1 - BAR	2	
3	112475	STEM – VALVE (METAL)	2	
4	135611	PLUG – VALVE STEM	2	
5	162435	SPUD – WHEEL	2	
A	136632	NUT - HEX L9 5/8–18–L9–ZP		
B	136633	WASHER - FLAT HARDENED 5/8/IN. NOMINAL (L9)		

DRIVE WHEELS AND TIRES



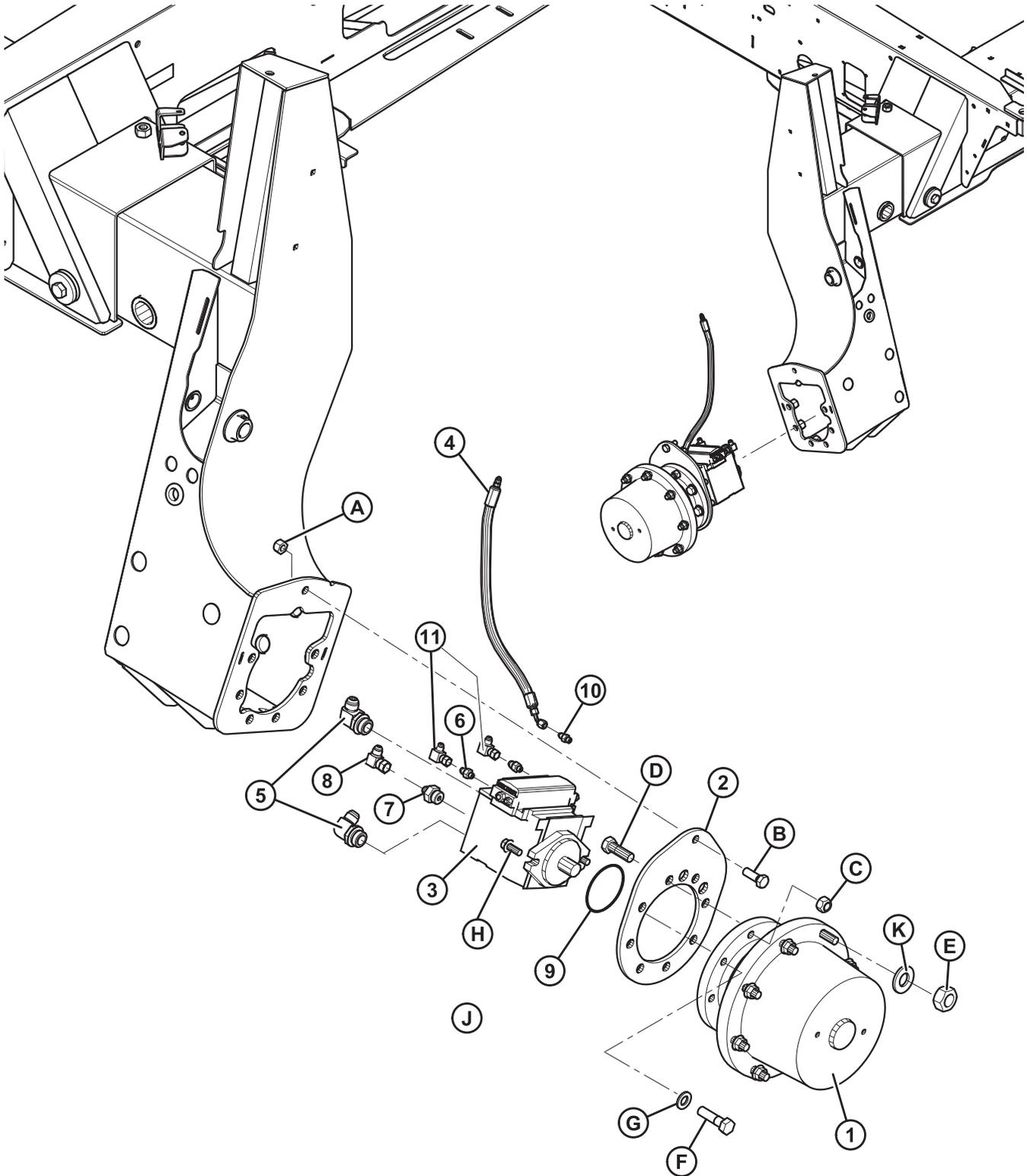
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DRIVE WHEELS AND TIRES

Ref	Part Number	Description	Qty	Serial Number
	B5506	Kit – Drive Tires - TURF 580-70R26 (Kit available through Whole Goods only.)		
1	111699	WHEEL – 26DW-20L C/W DECALS	2	
2	162431	TIRE – 580-70R26, TURF RADIAL	2	
3	112475	STEM – VALVE (METAL)	2	
4	135611	PLUG – VALVE STEM	2	
A	136632	NUT - HEX L9 5/8-18-L9-ZP		
B	136633	WASHER - FLAT HARDENED 5/8/IN. NOMINAL (L9)		

DRIVE WHEEL MOTOR

50 Drive Wheel Motor

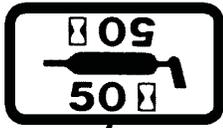


DRIVE WHEEL MOTOR

Ref	Part Number	Description	Qty	Serial Number
1	111579	DRIVE – BONFIGLIOLI POWERWHEEL	2	
	163614	DRIVE – AUBURN POWERWHEEL	2	
2	111266	PLATE – WHEEL DRIVE	2	
3	109958	MOTOR – DRIVE (3 SPD BONDIOLI)	2	
4	111693	HOSE – HYDRAULIC	2	
5	135901	FITTING – ELBOW H1YD	4	
6	100790	FITTING – ADAPTER HYD	4	
7	30939	FITTING – ADAPTER HYD	2	
8	30314	FITTING – ELBOW 90° HYD	2	
9	30045	O-RING	2	
10	112184	FITTING – ADAPTER HYD	2	
11	106717	FITTING – ELBOW 90° HYD	4	
A	18666	NUT – HEX LOCK DT 5/8-11 UNC ZP		
B	21582	BOLT – HH 5/8 NC X 1.75 LG GR5 ZP		
C	18689	NUT – HEX LOCK DT .750-10UNC		
D	136016	BOLT – HH 3/4 NC X 2.25 LG GR 5 ZP		
E	136632	NUT - HEX L9 5/8–18–L9–ZP		
F	112130	WASHER – HARDENED		
G	112128	BOLT – HEX HD .750-1L UNF X 2.75		
H	30368	BOLT – HH FLG (SERR FACE) 1/2 NC X 1.25 GR 5 ZP, Bonfigliolo Powerwheel		
	135564	BOLT – HH FLG 1/2 NC X 2.00 GR 8 ZP, Auburn Powerwheel		
J	136027	WASHER – FLAT, HRND, Auburn Powerwheel		
K	136633	WASHER - FLAT HARDENED 5/8/IN. NOMINAL (L9)		

INFORMATION DECALS AND REFLECTORS

70 Information Decals and Reflectors



1

IMPORTANT

AFTER ADJUSTING WIDTH OF WALKING BEAM:

1. Snug all four bottom bolts (A).
2. Tighten eight back bolts (B) to 330 ft. lbs.
3. Return to bolts (A) and tighten to 330 ft. lbs.
4. After four hours operation check that all bolts are still at 330 ft. lbs.
5. Check daily until torque values do not change.

This product may be covered by one or more of the following patents:

CDN. # 1075914	U.S. # 35543
CDN. # 1226739	U.S. # 4346909
CDN. # 1240158	U.S. # 4573309
CDN. # 1244248	U.S. # 4660361
CDN. # 1267282	U.S. # 4662161
CDN. # 1322104	U.S. # 4909026
AUSTRALIA # 615149	U.S. # 5086613
AUSTRALIA # 617821	U.S. # 5157905
KAZAKHISTAN # 4372	U.S. # 5243810
RUSSIA # 1828389	U.S. # 5261290
UKRAINE # 3440	U.S. # 5435239
ITALY # 0717922	U.S. # 5459986
FRANCE # 0717922	U.S. # 5473872
GERMANY # 0717922	U.S. # 5678398
U.K. # 0717922	U.S. # 5791128
	U.S. # 5927606
	U.S. # 5970695
	U.S. # 5992759
	U.S. # 6029429

Other patents pending.

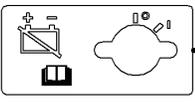
IMPORTANT

ON A NEW MACHINE OR WHEN A WHEEL IS REMOVED

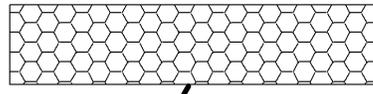
- Ensure that ONLY L9 nuts and L9 washers are used.
- After 1 hour of operation re-torque wheel nuts following the Procedure below.
- Repeat torquing procedure every hour of operation until two consecutive checks produce no movement of the nuts.

Procedure:

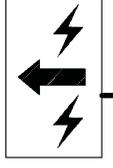
1. Torque nuts to 170 ft-lbs (230 Nm) in the numbered sequence shown above. DO NOT OVERTORQUE, doing so may cause damage to stud.
2. Repeat sequence three times at specified torque.



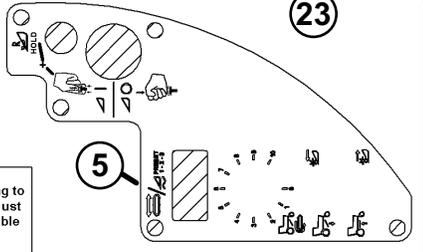
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23



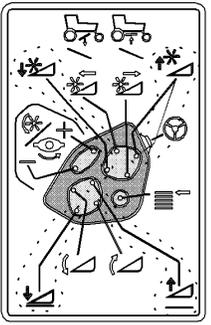
3



5

Before attaching to header, latch must be down to enable self-locking mechanism.

25



18

A/C SYSTEM SERVICE INFORMATION

This system contains fluorescent leak detection dye. Inspect with an ultraviolet light to pinpoint leaks. Dye is removed with refrigerant change. Receiver Drier contains dye inside.

Serviced by _____

Date _____

14

26

HYDRAULIC SYSTEM

USE SAE 15W40 ENGINE OIL

Check oil level daily. Fill to "FULL" mark with header on ground. Refer to operator's manual for oil specifications. Approximate refill capacity: 64 litres, or 17 US gallons.

8

DO NOT REMOVE UNTIL DELIVERED TO END USER

IMPORTANT

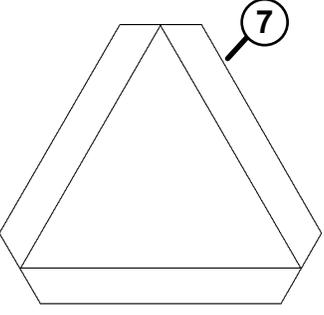
ON A NEW MACHINE OR WHEN A WHEEL IS REMOVED

- Ensure that ONLY L9 nuts and L9 washers are used.
- After 1 hour of operation re-torque wheel nuts following the Procedure below.
- Repeat torquing procedure every hour of operation until two consecutive checks produce no movement of the nuts.

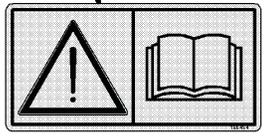
Procedure:

1. Torque nuts to 170 ft-lbs (230 Nm) in the numbered sequence shown above. DO NOT OVERTORQUE, doing so may cause damage to stud.
2. Repeat sequence three times at specified torque.

27



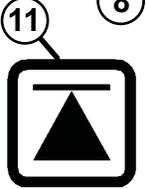
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28

For optimum performance refer to operator's manual for correct tire pressure to match the attachment being carried.

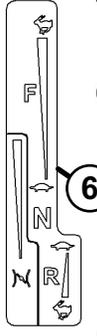
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11



12



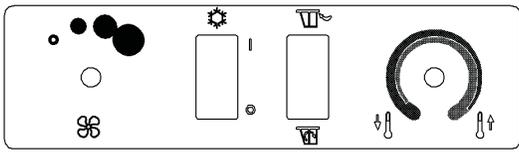
6

CLOSED COOLANT SYSTEM

- Pressurized radiator cap – KEEP TIGHT.
- Coolant system is factory filled with 50% anti-freeze/water mixture.
- Maintain coolant level in reservoir within "NORMAL" range shown.
- Refer to the Operator's Manual for safe procedure to refill the radiator.

134069

NORMAL



9

IMPORTANT

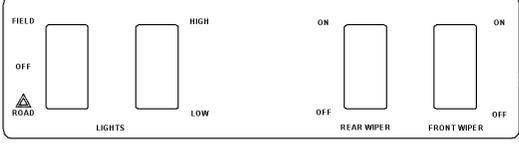
DIESEL FUEL ONLY

21

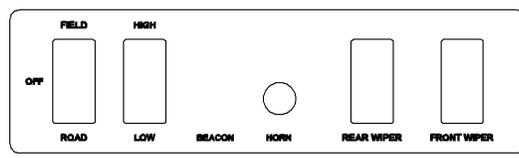
IMPORTANT

Torque wheel bolts to 120 ft.lbs. Retorque after first hour of operation.

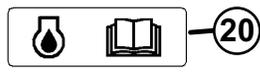
22



10



10a



REFRIGERANT 134a
Capacity: 1.63 kg or 3.6 lbs.
Service by qualified technician only

COMPRESSOR OIL
SANDEN SP-15 PAG OIL
Use of other oil voids warranty.

19

FUSE BLOCK

ID	FUSE	FUNCTION	ID	FUSE	FUNCTION	ID	FUSE	FUNCTION
F1	MAXI	A/C BLOWERS	F8	ATO	LIGHTER / AUX PWR FLUG	F15	BRK	ROAD LAMPS
F2	MAXI	CHASSIS POWER	F9	ATO	ACC. / AUX PWR REAR #1	F16	BRK	DOOR LAMPS (LH/RH)
F3	BRK	ROAD LAMPS - HI/LOW	F10	ATO	GPS SW POWER	F17	ATO	ACC. / AUX PWR REAR #2
F4	BRK	ROAD / WORK / AUX LAMPS	F11	ATO	A/C CONTROL	F18	ATO	RADIO MEMORY
F5	ATO	KEY - POWER	F12	ATO	SEAT MOTOR	F19	ATO	ECM POWER
F6	ATO	CONSULET / WIPERS / REAR WIPER	F13	BRK	PARK BRAKE CIRCUIT	F20	ATO	GPS POWER
F7	ATO	ECM IGNITION	F14	ATO	TURN / HAZARD SIGNALS			

W1501 MD # 183295

17

INFORMATION DECALS AND REFLECTORS

Ref	Part Number	Description	Qty	Serial Number
1	23165	DECAL – 50 HR LUBE		
2	109842	DECAL – IMPORTANT		
3	109205	DECAL – AUXILIARY POWER		
5	183313	DECAL – SWITCH PANEL		
6	183314	DECAL – GROUND SPEED		
7	115148	DECAL – SLOW MOVING VEHICLE, behind driver's seat		
8	110990	DECAL – HYDRAULIC OIL		
9	109716	DECAL - R/H CAB OVERHEAD CONSOLE		
10	109534	DECAL - L/H CAB OVERHEAD CONSOLE		
10A	160367	DECAL – L/H CAB OVERHEAD CONSOLE		
11	109206	DECAL – JACK HERE		
12	109207	DECAL – TIE DOWN		
13	32070	DECAL – PATENTS		
14	166575	DECAL – BOLT TORQUE		
15	111221	DECAL – TIRE PRESSURE		
16	134069	DECAL – COOLANT SYSTEM		
17	183338	DECAL – FUSE BLOCK		
18	160108	DECAL – CONTROL		
19	110987	DECAL – REFRIGERANT/OIL		
20	110988	DECAL – ENGINE OIL		
21	24769	DECAL – DIESEL FUEL ONLY		
22	101375	DECAL – TORQUE WHEEL BOLTS (10 X 16 casters only)		
23	115145	REFLECTOR – FLUORESCENT RED-ORANGE		
	115146	REFLECTOR – AMBER		
	115147	REFLECTOR – RED		
24	166273	DECAL – BATTERY MASTER DISCONNECT		
25	139723	DECAL – LATCH HANDLE		
26	166503	DECAL — A/C DYE		
27	166576	DECAL — BOLT TORQUE		
28	166454	DECAL - READ MANUAL		
		NOTE: For Russian language decals, see section 72 Russian Language Decal Package, page 189.		

M205

Self-Propelled Windrower

Supplement to Operator's Manual

169469_SUPPLEMENT Rev. F

Original Instruction

1 Supplement to Operator's Manual

Issued November 28, 2013

This supplement contains important updates to the information in your M205 Self-Propelled Windrower Operator's Manual. It is vital that you are aware of and use this new information.

Insert the attached pages into the manual as follows:

Topic title	Page reference in original manual
Tightening Drive Wheel Nuts	322
Installing Drive Wheel	323–324
Lowering Drive Wheel	324
Break-in Inspections	334
Replacing Fan Belt	162

MAINTENANCE AND SERVICING

Tightening Drive Wheel Nuts

At first use, or when a wheel is removed, re-torque drive wheel nut torque after one hour of operation.

Continue with torquing procedure at one hour intervals of operation until two consecutive checks produce no movement of the nuts.

1. Tighten nuts to 170 ft·lbf (230 Nm) using the tightening sequence as shown.

NOTE: To avoid damage to wheel rims, do **NOT** overtighten wheel nuts.

IMPORTANT

Verify nuts and washers are L9 by checking for markings (A) shown at right.

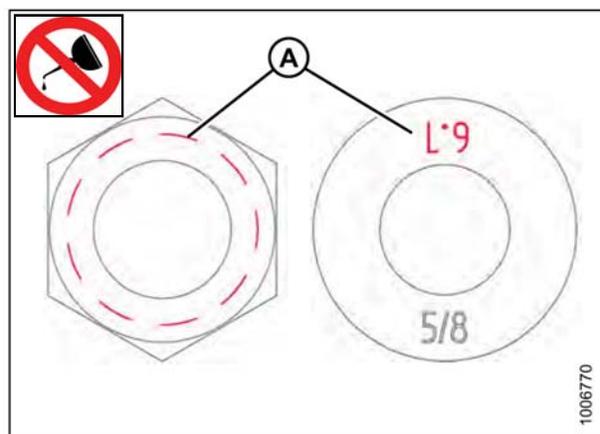
NOTE: To avoid damage to wheel rims and studs, do **NOT** overtighten wheel nuts.

2. Repeat sequence three times.

Nuts should be installed dry. Do not lubricate threads with oil or products such as Never Seez®.



Figure 5.199



Stop engine and remove key from ignition before leaving operator's seat for any reason. A child or even a pet could engage an idling machine.

CAUTION

Header **MUST** be removed, and **NO** weight box installed. Use a hydraulic jack with minimum lifting capacity of 5000 lb (2268 Kg) to provide adequate support for the machine.

CAUTION

Use a jack with minimum lifting capacity of 4000 lb (1816 kg) to provide adequate support for the machine.

1. Remove the header.
2. Park windrower on level ground and block all wheels.
3. Place Ground Speed Lever (GSL) in N-DETENT (A), shut down engine, and remove key.



Figure 5.200

MAINTENANCE AND SERVICING

- Place a jack under the leg jack point (A) and raise the drive wheel until it is slightly off ground. Place a jack stand beneath the lift cylinder mount (B).



CAUTION

Jack stand must be capable of supporting a minimum of 5000 lb (2268 kg).

NOTE: Do **NOT** place jack stand under the cylinder. Use a small metal plate on top of the jack stand.

- Lower the windrower onto the jack stand.

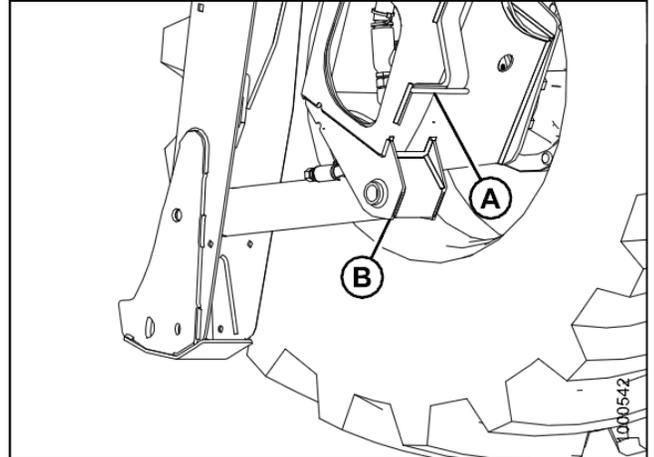


Figure 5.201

Removing Drive Wheel

- Raise the windrower drive wheel (A) off the ground. See Section [Raising Drive Wheel](#), page 322.
- Remove the wheel nuts (B).
- Remove the wheel (A).



CAUTION

Use a suitable lifting device capable of supporting a minimum of 2000 lb (907 kg) to lift the wheel assembly away from the windrower.

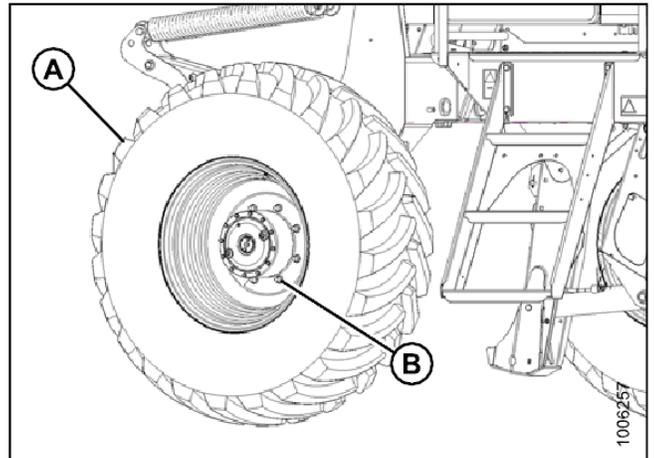


Figure 5.202

3 Installing Drive Wheel

- Position the drive wheel (A) onto the wheel drive hub (B).

NOTE: Ensure that the valve stem (C) faces outboard, and that the tire tread (D) points forward when viewing tire from above.

NOTE: For Turf tires (diamond tread), be sure arrow on sidewall points in forward rotation.

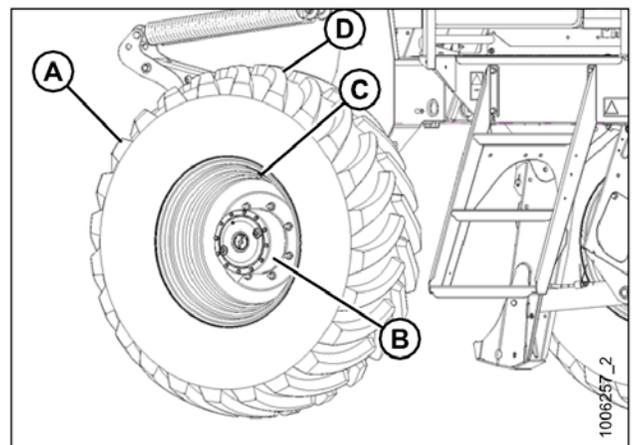


Figure 3.1

INSTALLING DRIVE WHEEL

- Line up the holes in the rim with the studs on the wheel drive hub, and install L9 nuts (E) and washers.
- Tighten nuts (A) to 170 ft-lbf (230 N·m) using the tightening sequence shown. Repeat the sequence three times.

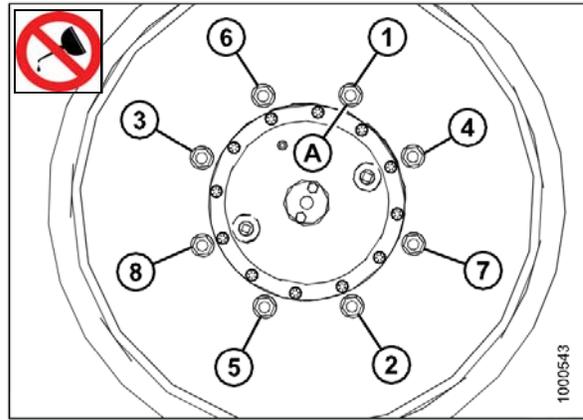


Figure 3.2

IMPORTANT

Verify nuts and washers are L9 by checking for markings (A) as shown at right.

IMPORTANT

To avoid damage to rim and studs, do NOT overtighten wheel nuts.

- Lower the windrower. See Section 3.1 Lowering Drive Wheel, page 6 .
- After one hour of operation, re-torque the wheel nuts. Then check every hour until two consecutive checks produce no movement of the nuts.

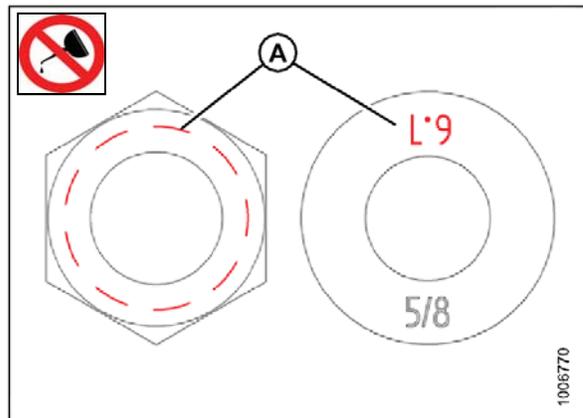


Figure 3.3: L9 hardware

Nuts should be installed dry. Do not lubricate threads with oil or products such as Never Seez®.



Nut should be installed dry. Do not lubricate threads with oil or products such as Never Seez®

3.1 Lowering Drive Wheel

This procedure can be used on both drive wheels.

- Place a jack under the leg jack point (A) and raise the drive wheel slightly off the jack stand.
- Remove the jack stand and lower the drive wheel to the ground.
- Remove the jack.

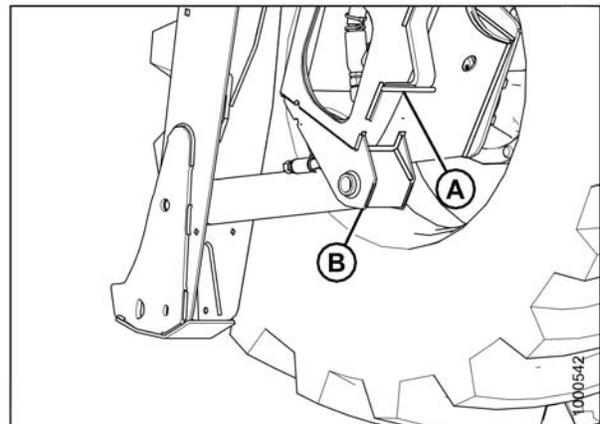


Figure 3.4

MAINTENANCE AND SERVICING

5.11 Maintenance Schedule

The Maintenance Schedule (see next page) specifies the periodic maintenance procedures and service intervals.

Regular maintenance is the best insurance against early wear and untimely breakdowns. Following this schedule will increase machine life.

For detailed instructions, refer to the various procedures in this chapter. Use the fluids and lubricants specified in Section 5.1.2 [Recommended Fuel, Fluids, and Lubricants](#), page 212.

Service Intervals: The recommended service intervals are in hours of operation. Where a service interval is given in more than one time frame, for example, 100 hours or annually, service the machine at whichever interval is reached first.

IMPORTANT

Recommended intervals are for average conditions. Service the machine more often if operated under adverse conditions (severe dust, extra heavy loads, etc.).



CAUTION

Carefully follow safety messages given under **RECOMMENDED SAFETY PROCEDURES**.

5.11.1 Break-In Inspections

Break-in inspections		
Hours	Item	Check
1	Drive wheel nuts	Torque: 170 ft·lbf (230 N·m). Repeat checks at one hour intervals until torque stabilizes at two consecutive checks.
5	A/C compressor belt	Tension.
	Caster wheel nuts	Torque: 120 ft·lbf (163 N·m).
	Caster wheel anti-shimmy dampener bolts	Inboard bolt torque: 100 ft·lbf (135 N·m). Outboard bolt torque: 85 ft·lbf (115 N·m).
	Walking beam width adjustment bolts	Torque: 330 ft·lbf (448 N·m).
10	Walking beam width adjustment bolts	Torque: 330 ft·lbf (448 N·m).
	Neutral	Dealer adjusted.
50	Hose clamps: air intake / radiator / heater / hydraulic	Hand-tighten unless otherwise noted.
	Walking beam width adjustment bolts	Torque: 330 ft·lbf (448 N·m).
	Caster wheel anti-shimmy dampener bolts	Inboard bolt torque: 100 ft·lbf (135 N·m). Outboard bolt torque: 85 ft·lbf (115 N·m).
	Drive wheel lubricant	Change.
	Main gearbox oil	
	Charge system oil filter	
Manifold oil filter		

ENGINE BELTS - Replacing Fan Belt (2013 and newer or with Fan Drive Upgrade Kit)

NOTE: 2013 and newer windrowers, or units that have had Fan Drive Upgrade Kit MD #139956 installed, will have a belt tensioner as shown in Figure 1.

If your belt tensioner does not resemble the one in Figure 1, see SB 1356.

1. Shut down the engine and remove the key.
2. Open the LH platform.
3. Open the hood.
4. Loosen compressor mounting hardware **(A)** and push compressor towards engine to release tension.
5. Remove belt **(B)** from compressor.
6. Insert the drive end of a 1/2 in. drive ratchet wrench into the belt tensioner **(C)**.
7. Rotate tensioner counter-clockwise until fan belt **(D)** can be slipped off pulley **(E)**. Release tensioner and remove wrench.
8. Remove belt in order 1–2–3 as shown. Route fan belt around fan and remove belt.
9. Install new belt MD #139952 **(D)** around fan and onto pulleys in order 3–2–1.
10. Insert the drive end of a 1/2 in. drive ratchet wrench into the belt tensioner **(C)**.
11. Rotate tensioner counter-clockwise until belt **(D)** can be slipped onto pulley **(E)**. Release tensioner and remove wrench.
12. Check that belt is properly seated in all pulley grooves.
13. Install compressor belt **(B)**.
14. Pry compressor away from engine so that a force of 8–12 ft·lbf (35–55 N·m) deflects the belt **(B)** 3/16 in. (5 mm) at mid-span.
15. Tighten compressor mounting hardware **(A)**.
16. Recheck tension and readjust as required.
17. Close the hood.
18. Close the platform.

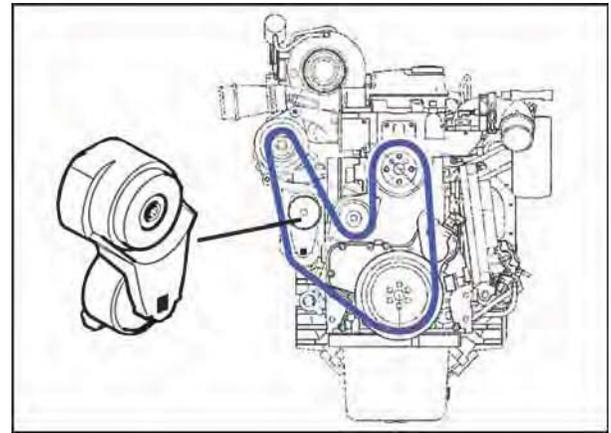


Figure 1

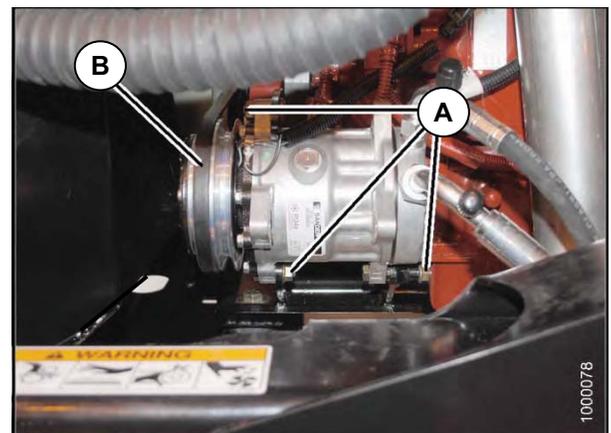


Figure 2

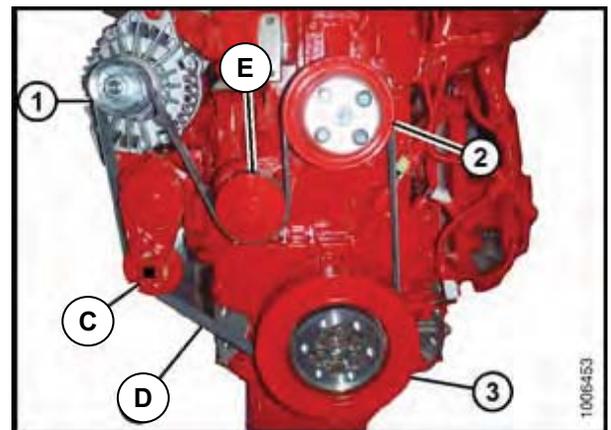


Figure 3

PARTS NOTE: M205 Parts Catalog 169472 Rev.F lists the fan belt part number as MD #139152. This is **INCORRECT**. The correct fan belt part number is MD #139952 for 2013 and newer models or for models that have Fan Drive Upgrade Kit MD #139956 installed.

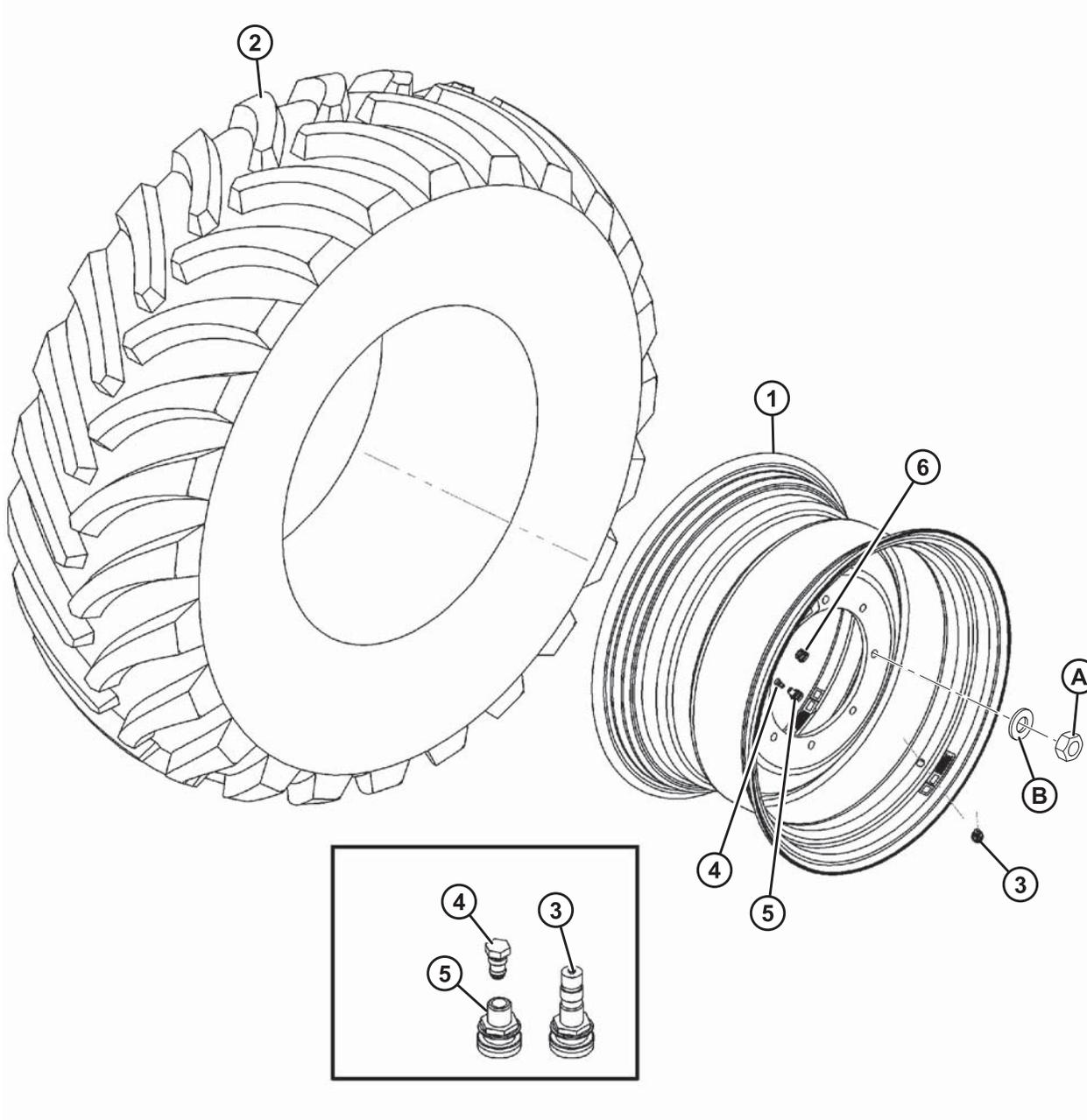
M205
Self-Propelled Windrower

Parts Catalog

SUPPLEMENT_169472 Rev. F

Original Instruction

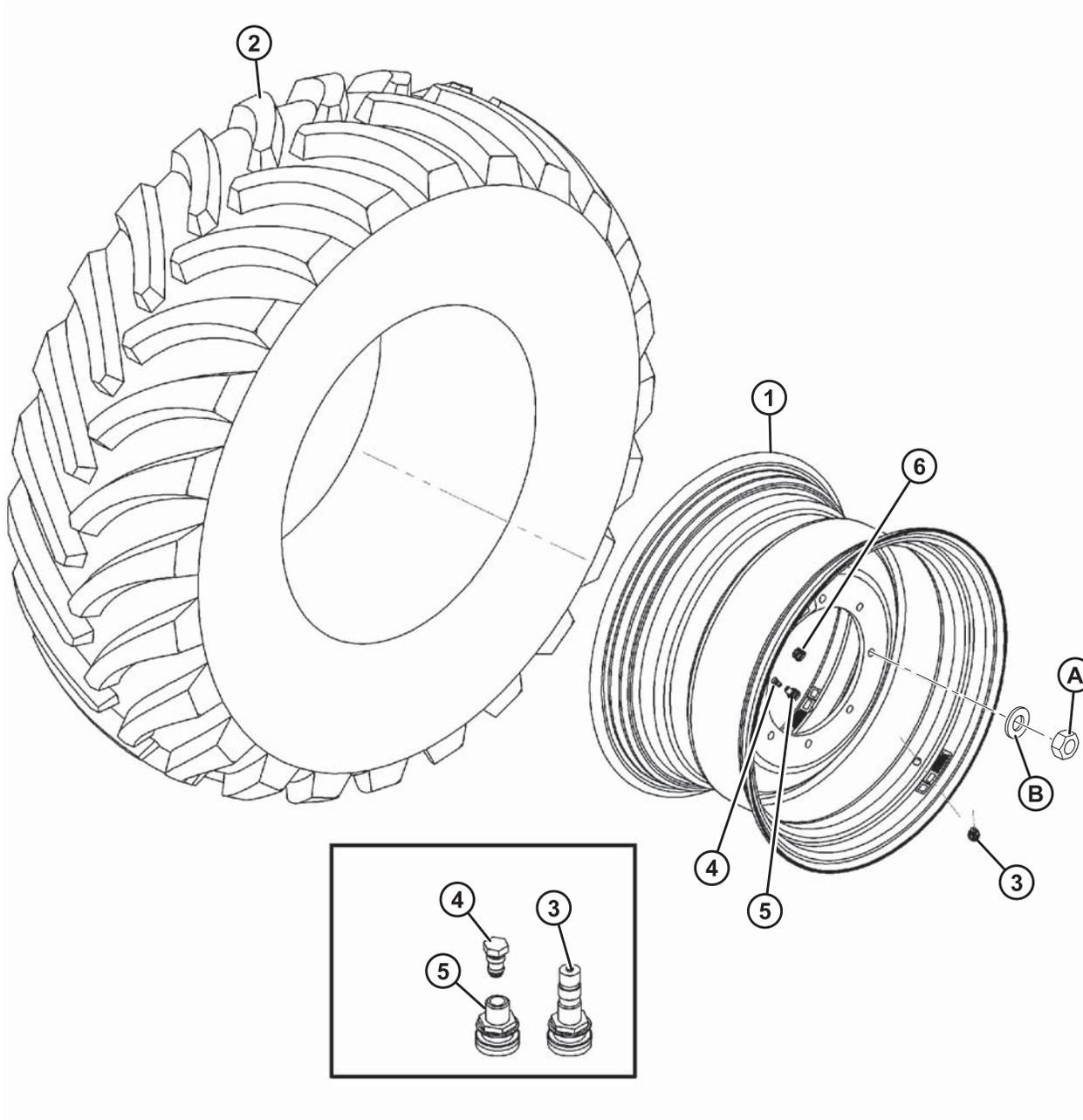
12 Drive Wheels and Tires



DRIVE WHEELS AND TIRES

Ref	Part Number	Description	Qty	Serial Number
	B4632	Kit — Drive Tires - TURF 23.1-26 (Kit available through Whole Goods only.)		
1	111699	WHEEL – 26DW-20L C/W DECALS	2	
2	111695	TIRE – 23.1 X 26 R3 10 PLY	2	
3	112475	STEM	2	
4	135611	PLUG – VALVE STEM	2	
	B4944	Kit – Drive Tires - BAR 600-65 R28 (Kit available through Whole Goods only.)		
1	162019	WHEEL – 28 X 18 C/W DECALS	2	
2	162022	TIRE – 600-65 R28 BAR TREAD	2	
3	112475	STEM – VALVE (METAL)	2	
	B4634	Kit – Drive Tires - TURF 18.4-26 (Kit available through Whole Goods only.)		
1	162295	WHEEL – 26DW-16L C/W DECALS & VALVE STEMS (reversible)	2	
2	163601	TIRE – 18.4 X 26 R3, TURF	2	
3	112475	STEM – VALVE (METAL)	2	
4	135611	PLUG – VALVE STEM	2	
5	162435	SPUD – WHEEL	2	
	B4633	Kit – Drive Tires – BAR 18.4-26 (Kit available through Whole Goods only.)		
1	162295	WHEEL – 26DW-16L C/W DECALS & VALVE STEMS (reversible)	2	
2	111694	TIRE – 18.4 X 26 R1 - BAR	2	
3	112475	STEM – VALVE (METAL)	2	
4	135611	PLUG – VALVE STEM	2	
5	162435	SPUD – WHEEL	2	
A	136632	NUT - HEX L9 5/8–18–L9–ZP		
B	136633	WASHER - FLAT HARDENED 5/8/IN. NOMINAL (L9)		

DRIVE WHEELS AND TIRES



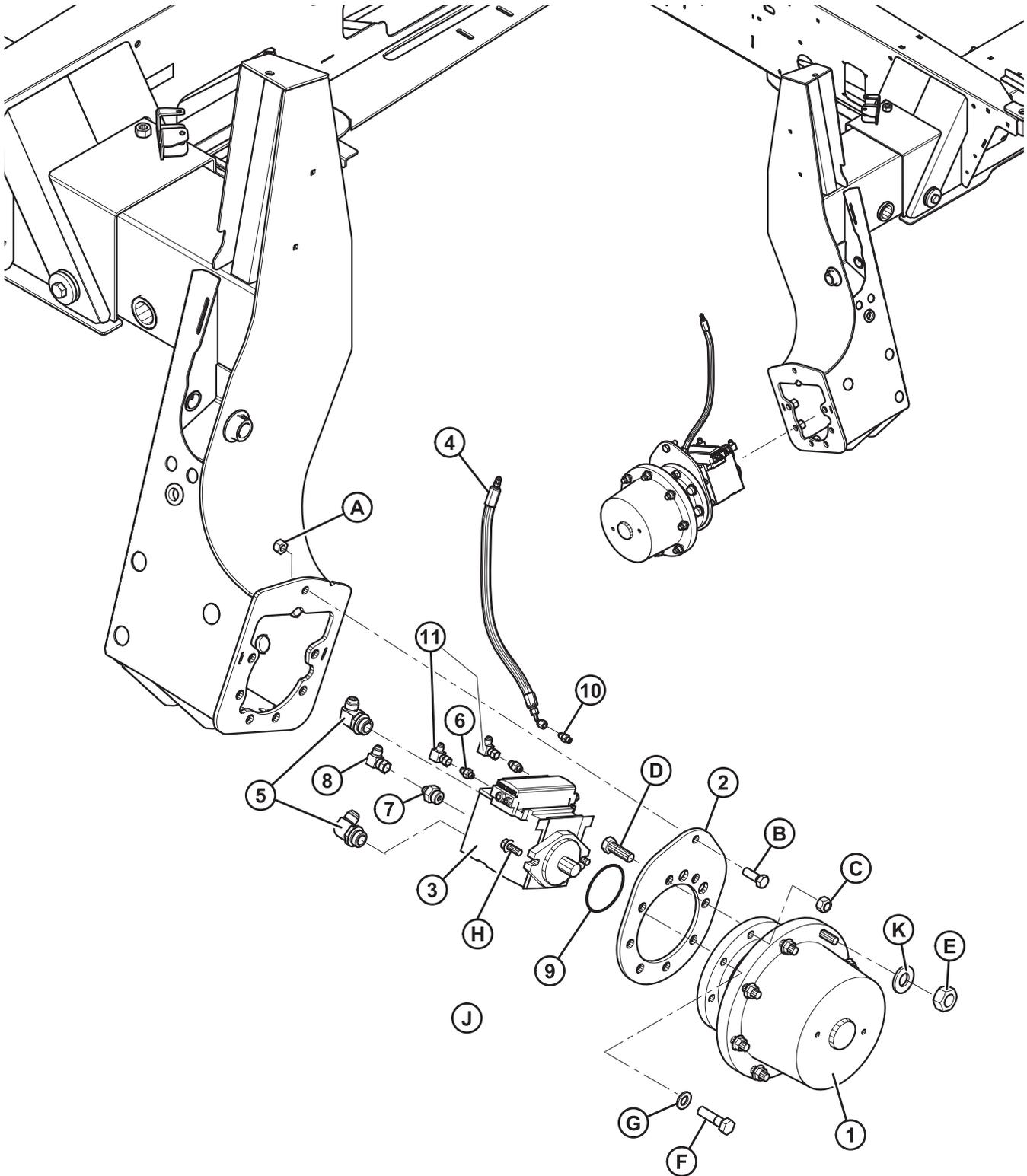
1004960

DRIVE WHEELS AND TIRES

Ref	Part Number	Description	Qty	Serial Number
	B5506	Kit – Drive Tires - TURF 580-70R26 (Kit available through Whole Goods only.)		
1	111699	WHEEL – 26DW-20L C/W DECALS	2	
2	162431	TIRE – 580-70R26, TURF RADIAL	2	
3	112475	STEM – VALVE (METAL)	2	
4	135611	PLUG – VALVE STEM	2	
A	136632	NUT - HEX L9 5/8-18-L9-ZP		
B	136633	WASHER - FLAT HARDENED 5/8/IN. NOMINAL (L9)		

DRIVE WHEEL MOTOR

50 Drive Wheel Motor

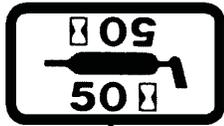


DRIVE WHEEL MOTOR

Ref	Part Number	Description	Qty	Serial Number
1	111579	DRIVE – BONFIGLIOLI POWERWHEEL	2	
	163614	DRIVE – AUBURN POWERWHEEL	2	
2	111266	PLATE – WHEEL DRIVE	2	
3	109958	MOTOR – DRIVE (3 SPD BONDIOLI)	2	
4	111693	HOSE – HYDRAULIC	2	
5	135901	FITTING – ELBOW H1YD	4	
6	100790	FITTING – ADAPTER HYD	4	
7	30939	FITTING – ADAPTER HYD	2	
8	30314	FITTING – ELBOW 90° HYD	2	
9	30045	O-RING	2	
10	112184	FITTING – ADAPTER HYD	2	
11	106717	FITTING – ELBOW 90° HYD	4	
A	18666	NUT – HEX LOCK DT 5/8-11 UNC ZP		
B	21582	BOLT – HH 5/8 NC X 1.75 LG GR5 ZP		
C	18689	NUT – HEX LOCK DT .750-10UNC		
D	136016	BOLT – HH 3/4 NC X 2.25 LG GR 5 ZP		
E	136632	NUT - HEX L9 5/8–18–L9–ZP		
F	112130	WASHER – HARDENED		
G	112128	BOLT – HEX HD .750-1L UNF X 2.75		
H	30368	BOLT – HH FLG (SERR FACE) 1/2 NC X 1.25 GR 5 ZP, Bonfigliolo Powerwheel		
	135564	BOLT – HH FLG 1/2 NC X 2.00 GR 8 ZP, Auburn Powerwheel		
J	136027	WASHER – FLAT, HRND, Auburn Powerwheel		
K	136633	WASHER - FLAT HARDENED 5/8/IN. NOMINAL (L9)		

INFORMATION DECALS AND REFLECTORS

73 Information Decals and Reflectors



1

IMPORTANT

AFTER ADJUSTING WIDTH OF WALKING BEAM:

1. Snug all four bottom bolts (A).
2. Tighten eight back bolts (B) to 330 ft. lbs.
3. Return to bolts (A) and tighten to 330 ft. lbs.
4. After four hours operation check that all bolts are still at 330 ft. lbs.
5. Check daily until torque values do not change.

This product may be covered by one or more of the following patents:

CDN. # 1075914	U.S. # 35543
CDN. # 1226739	U.S. # 4346909
CDN. # 1240158	U.S. # 4573309
CDN. # 1244248	U.S. # 4660361
CDN. # 1267282	U.S. # 4662161
CDN. # 1322104	U.S. # 4909026
AUSTRALIA # 615149	U.S. # 5086613
AUSTRALIA # 617821	U.S. # 5157905
KAZAKHISTAN # 4372	U.S. # 5243810
RUSSIA # 1828389	U.S. # 5261290
UKRAINE # 3440	U.S. # 5435239
ITALY # 0717922	U.S. # 5459986
FRANCE # 0717922	U.S. # 5473872
GERMANY # 0717922	U.S. # 5678398
U.K. # 0717922	U.S. # 5791128
	U.S. # 5927606
	U.S. # 5970695
	U.S. # 5992759
	U.S. # 6029429

Other patents pending.

IMPORTANT

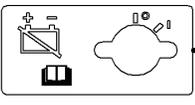
ON A NEW MACHINE OR WHEN A WHEEL IS REMOVED

- Ensure that ONLY L9 nuts and L9 washers are used.
- After 1 hour of operation re-torque wheel nuts following the Procedure below.
- Repeat torquing procedure every hour of operation until two consecutive checks produce no movement of the nuts.

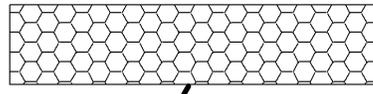
Procedure:

1. Torque nuts to 170 ft-lbs (230 Nm) in the numbered sequence shown above. DO NOT OVERTORQUE, doing so may cause damage to stud.
2. Repeat sequence three times at specified torque.

14



24



13



3

Before attaching to header, latch must be down to enable self-locking mechanism.

25

A/C SYSTEM SERVICE INFORMATION

This system contains fluorescent leak detection dye. Inspect with an ultraviolet light to pinpoint leaks. Dye is removed with refrigerant change. Receiver Drier contains dye inside.

Serviced by _____

Date _____

166509

HYDRAULIC SYSTEM

USE SAE 15W40 ENGINE OIL

Check oil level daily. Fill to "FULL" mark with header on ground. Refer to operator's manual for oil specifications. Approximate refill capacity: 64 litres, or 17 US gallons.

DO NOT REMOVE UNTIL DELIVERED TO END USER

IMPORTANT

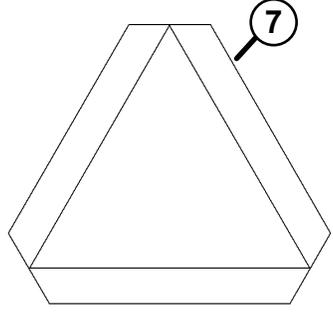
ON A NEW MACHINE OR WHEN A WHEEL IS REMOVED

- Ensure that ONLY L9 nuts and L9 washers are used.
- After 1 hour of operation re-torque wheel nuts following the Procedure below.
- Repeat torquing procedure every hour of operation until two consecutive checks produce no movement of the nuts.

Procedure:

1. Torque nuts to 170 ft-lbs (230 Nm) in the numbered sequence shown above. DO NOT OVERTORQUE, doing so may cause damage to stud.
2. Repeat sequence three times at specified torque.

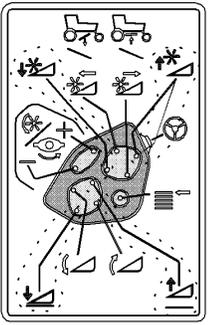
166514



7

28

18



11

8

For optimum performance refer to operator's manual for correct tire pressure to match the attachment being carried.

15



12



6

CLOSED COOLANT SYSTEM

- Pressurized radiator cap – KEEP TIGHT.
- Coolant system is factory filled with 50% anti-freeze/water mixture.
- Maintain coolant level in reservoir within "NORMAL" range shown.
- Refer to the Operator's Manual for safe procedure to refill the radiator.

↑ NORMAL ↓

134069

9

IMPORTANT

DIESEL FUEL ONLY

21

IMPORTANT

Torque wheel bolts to 120 ft.lbs. Retorque after first hour of operation.

22

FIELD OFF	ROAD LIGHTS	HIGH	LOW	ON	OFF	REAR WIPER	ON	OFF	FRONT WIPER
-----------	-------------	------	-----	----	-----	------------	----	-----	-------------

10

FIELD OFF	ROAD LIGHTS	HIGH	LOW	BEACON	HORN	REAR WIPER	FRONT WIPER
-----------	-------------	------	-----	--------	------	------------	-------------

10a

20

REFRIGERANT 134a
Capacity: 1.63 kg or 3.6 lbs.
Service by qualified technician only

COMPRESSOR OIL
SANDEN SP-15 PAG OIL
Use of other oil voids warranty.

19

FUSE BLOCK

ID	FUSE	FUNCTION	ID	FUSE	FUNCTION	ID	FUSE	FUNCTION
F1	MAXI	A/C BLOWERS	F8	ATO	LIGHTER / AUX PWR FLUG	F15	BRKR	ROAD LAMPS
F2	MAXI	CHASSIS POWER	F9	ATO	ACC. / AUX PWR REAR #1	F16	BRKR	DOOR LAMPS (HORN)
F3	BRKR	ROAD LAMPS - HI/LOW	F10	ATO	GPS SW POWER	F17	ATO	ACC. / AUX PWR REAR #2
F4	BRKR	ROAD / WORK / AUX LAMPS	F11	ATO	A/C CONTROL	F18	ATO	RADIO MEMORY
F5	ATO	KEY - POWER	F12	ATO	SEAT MOTOR	F19	ATO	ECM POWER
F6	ATO	CONSOLIDATED WIPERS / REAR WIPER	F13	BRKR	PARK BRAKE CIRCUIT	F20	ATO	GPS POWER
F7	ATO	ECM IGNITION	F14	ATO	TURN / HAZARD SIGNALS			

W150 MD # 183295

17

INFORMATION DECALS AND REFLECTORS

Ref	Part Number	Description	Qty	Serial Number
1	23165	DECAL – 50 HR LUBE		
2	109842	DECAL – IMPORTANT		
3	109205	DECAL – AUXILIARY POWER		
5	183313	DECAL – SWITCH PANEL		
6	183314	DECAL – GROUND SPEED		
7	115148	DECAL – SLOW MOVING VEHICLE, behind driver's seat		
8	110990	DECAL – HYDRAULIC OIL		
9	109716	DECAL - R/H CAB OVERHEAD CONSOLE		
10	109534	DECAL - L/H CAB OVERHEAD CONSOLE		
10A	160367	DECAL – L/H CAB OVERHEAD CONSOLE		
11	109206	DECAL – JACK HERE		
12	109207	DECAL – TIE DOWN		
13	32070	DECAL – PATENTS		
14	166575	DECAL – BOLT TORQUE		
15	111221	DECAL – TIRE PRESSURE		
16	134069	DECAL – COOLANT SYSTEM		
17	183338	DECAL – FUSE BLOCK		
18	160108	DECAL – CONTROL		
19	110987	DECAL – REFRIGERANT/OIL		
20	110988	DECAL – ENGINE OIL		
21	24769	DECAL – DIESEL FUEL ONLY		
22	101375	DECAL – TORQUE WHEEL BOLTS (10 X 16 casters only)		
23	115145	REFLECTOR – FLUORESCENT RED-ORANGE		
	115146	REFLECTOR – AMBER		
	115147	REFLECTOR – RED		
24	166273	DECAL – BATTERY MASTER DISCONNECT		
25	139723	DECAL – LATCH HANDLE		
26	166503	DECAL — A/C DYE		
27	166576	DECAL — BOLT TORQUE		
28	166454	DECAL - READ MANUAL		
		NOTE: For Russian language decals, see section 75 Russian Language Decal Package, page 203.		

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