

Product: New Holland SD440 Air Seeders Service Repair Manual
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NEW HOLLAND SD440

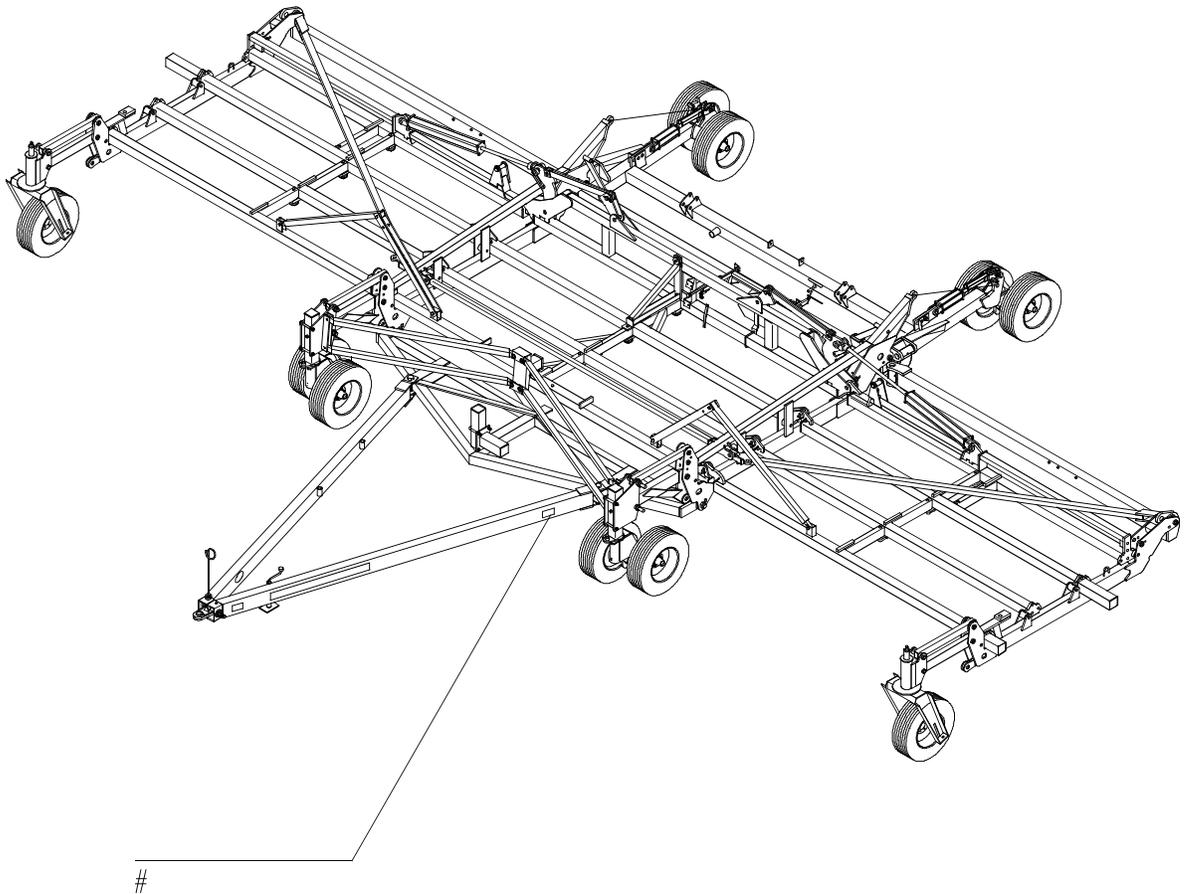
REPAIR MANUAL



REPAIR PARTS IDENTIFICATION

This drill has a Serial Number plate attached to identify the machine. The plate looks like the sample at right with a number stamped on.

For easy reference, locate the plate at the location shown on the figure. Record the number on this sheet. When requiring repair parts, take this number into your dealer.



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TABLE OF CONTENTS

Pages listed are a table of contents for that section

Section - Title	Page
1 - GENERAL INFORMATION	1-1
General Service Information	
Important Information	
Service Tools	
Safety	
Units of Measure	
Bolt Torque Information	
Machine Specifications	
Welding Procedures	
2 - ADJUSTMENTS	2-1
Air Drill Leveling	
Floating Hoe/Shank Adjustments	
Sweep Pitch Adjustments	
3 - MECHANICAL SERVICE	3-1
Troubleshooting Tables	
Servicing Safety Precautions	
General Operating Information	
Grease Locations	
Maintenance	
Tire Pressures	
Tire Pressures and hub and Spindle Details	
Wheel Bolt Torque	
Heavy Caster Assembly	
Light Caster Assembly	
Caster Hub and Spindle Maintenance	
Walking Beam Replacement	
Wing Dual Caster Option	
Auxiliary Tow Hitch	
Caster Transport Lock Installation	
Pin Guides	
Depth Control Service	
Walking Beam Carrier Spool Replacement	
4 - HYDRAULICS	4-1
Hydraulics	
Replace Seals in Cylinders	
Hydraulic Cylinders	
Depth Control	
Wing Lift Hydraulics	
5 - ELECTRICAL	5-1
Connector Service Kit	
Remote Switch Installation	
6 - TRIPS, OPENERS, AND PRESS WHEEL SERVICE	6-1
Service of Openers	
Service Guide for Offset Shank Locations	
Press Wheels and Shanks	
Ground Openers and Seed Boots	
Troubleshooting Tables	
Trip Compressor Tool Kit	
Tension Link Kit - 550 Pound Trip	
Adjustment of Trip Assemblies	
Anti-Skewing Trip Shim Installation	
Heavy Duty Bearing Kits	
Press Wheel Removal	
Packer Wheel Rest Assembly	
Shank Spacing and Trip Release Pressure	
7 - AIR SYSTEM	7-1
Troubleshooting Tables	
Hoses	
Theory of Operation - Air System	
Methods of Determining Adequate Carrying Velocities	
Header Assemblies	
Hose Holder Brackets and Distribution Clamps	
8 - ENDMARKER SERVICE	8-1
Endmarkers	
Endmarker Replacement	
Endmarker Hydraulics	
INDEX	

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SECTION 1

GENERAL INFORMATION

CONTENTS OF THIS SECTION

	Page
GENERAL SERVICE INFORMATION	1-3
IMPORTANT INFORMATION	1-4
SERVICE TOOLS	1-4
SAFETY	1-5
General Safety Practices	1-6
Servicing Safety Precautions	1-6
Safety During Operation	1-7
Air and Air Hoses	1-10
Hydraulics and Hydraulic Leaks	1-10
Shields	1-11
Electrical	1-11
Tires	1-11
Safety During Transport	1-12
Safety Decals	1-12
Transport Lighting Brackets	1-14
Transport Lighting Electrical Assembly	1-16
UNITS OF MEASURE	1-18
Abbreviations	1-18
Conversion Chart	1-19
BOLT TORQUE INFORMATION	1-20
MACHINE SPECIFICATIONS	1-21
Implement Dimensions	1-21
Implement Weight	1-23
Other Specifications	1-26
PAINT TOUCH-UP PROCEDURE	1-27

SECTION 1 - GENERAL INFORMATION

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SECTION 1 - GENERAL INFORMATION

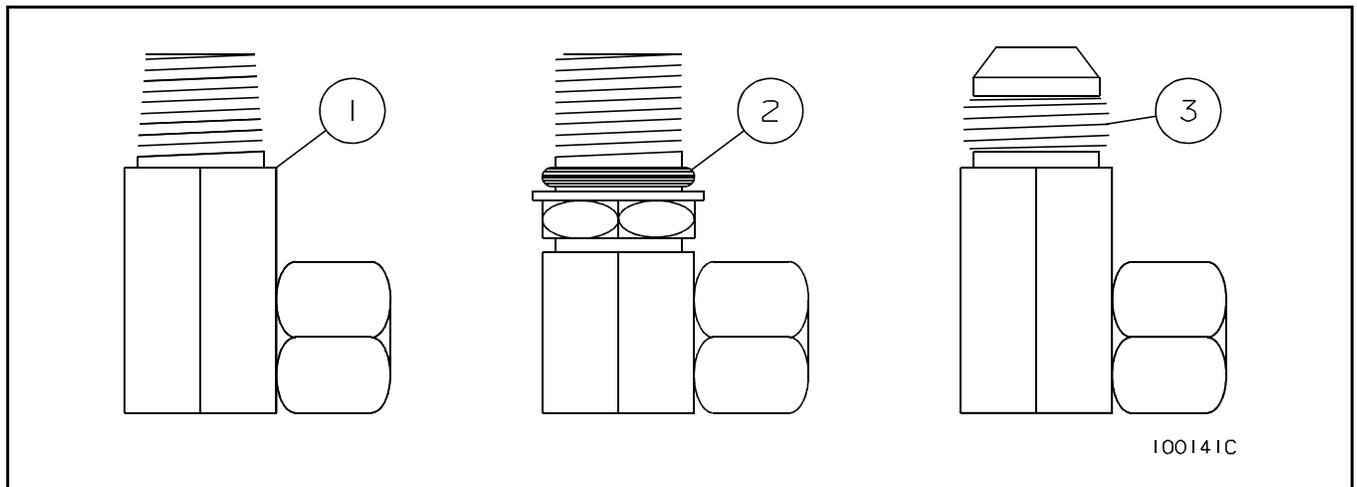
GENERAL SERVICE INFORMATION

NOTE: Read instructions carefully before you beginning any procedure.

1. Be sure to read and follow all instructions to ensure proper assembly, operation, and service of the implement.
2. Service may require the use of a forklift or other suitable lifting device.
3. Implement must be serviced on a flat surface.
4. Left and right directions are determined from the rear of the implement facing the forward direction of travel.
5. Use a suitable sealant on hydraulic connections; sealant paste is recommended. Be careful to prevent sealant from entering the hydraulic system.
6. Apply a thread sealant to all female-to-male pipe thread connections.
7. Do not allow tape to enter the hydraulic system.
8. Do not use a thread sealant on ORB or swivel fitting connections.

NOTE: If you are assembling or servicing the implement inside of a building, ensure the door opening is large enough to allow the implement to be removed after assembly. Check the Specifications Tables in this section for the overall height and width in transport position.

NOTE: Additional bolt torque information can be found later in this section.



Hydraulic Fitting Identification

NOTE: Pipe thread fittings (1), O-ring boss fittings (2) and JIC fittings (3) may be the types of hydraulic fittings used.

SECTION 1 - GENERAL INFORMATION

IMPORTANT INFORMATION

All repair and maintenance work listed in this manual must be carried out only by qualified dealership personnel. Strictly comply with all instructions given. Use only the specialized tools required.

Anyone who carries out the above operations without complying with the procedures shall be responsible for the subsequent damages.

The manufacturer and all the organizations of its distribution chain, including (without limitation) national, regional, or local dealers, reject any responsibility for damages due to the anomalous behavior of parts and/or components not approved by the manufacturer itself. This includes those parts and/or components used for the servicing or repair of the product manufactured or marketed by the manufacturer.

In any case, no warranty is given or attributed on the product manufactured or marketed by the manufacturer in case of damages due to an anomalous behavior of parts and/or components not approved by the manufacturer.

The information in this manual is up to date at the date of the publication. It is the policy of the manufacturer to aim for continuous improvement. Some information could not be updated due to modifications of a technical or commercial type, as well as to suit the laws and regulations of different countries.

In case of disagreement, refer to your Sales and Service Networks.

SERVICE TOOLS

There are several service tools/update kits available through the parts department, for ease of diagnosis and servicing the air drill. Refer to Section 6 for Tools and Kits.

DR-900K	PIN GUIDES - (2) GUIDES FOR INSTALLING 1" AND 1.25" PINS.
DS-200K	KIT, PRESS WHEEL PULLER - PULLING TOOL.
DR-112K	KIT, TRANSPORT LOCK, SINGLE CASTER.
DR-114K	KIT, TRANSPORT LOCK, DUAL CASTER.

SAFETY

SAFETY - ALERT SYMBOL



This symbol is used to denote possible danger and care should be taken to prevent bodily injury. This symbol means **ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!**

THIS SYMBOL APPEARS WITH TEXT READING “DANGER!”, “CAUTION!”, OR “WARNING!” THESE WORDS INDICATE THREE LEVELS OF POSSIBLE HAZARDS; THEY ARE DESCRIBED BELOW.

DANGER!



Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury. The color associated with Danger is RED.

WARNING!



Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury. The color associated with Warning is ORANGE.

CAUTION!



Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. The color associated with Caution is YELLOW.

SECTION 1 - GENERAL INFORMATION

GENERAL SAFETY PRACTICES

REVIEW this manual and operator's manual before servicing equipment.

NEVER allow anyone unfamiliar, untrained, or complacent to operate the air drill.

ALWAYS USE the jack supplied when unhooking the air drill.

ALWAYS ensure weight of towing vehicle is heavier than implement.

NEVER transport the air drill at speeds higher than 30 km/hr (18 mph).

NEVER transport Drill/cart combination with product in tank.

MAINTAIN YOUR AIR DRILL in proper working condition. Unauthorized modifications to the machine may impair function and/or safety and affect machine life.

BE SURE the air drill is securely fastened to a large farm tractor or an air cart that is attached to a large farm tractor before operating hydraulics.

USE EXTREME CARE when making adjustments.

KEEP CHILDREN AWAY from all farm equipment.

SERVICING SAFETY PRECAUTIONS

BLOCK the wheels to prevent movement when servicing.

BE SURE the press wheels are blocked and wing lock pins are in place before servicing or adjusting opener assemblies or working on the air drill.

CAUTION!



The tractor engine should be stopped and the wheels blocked to prevent any movement during servicing.

Always be sure that the depth control safety lock is in place when servicing the air drill.

Always be sure the wings are in field position before servicing the air drill.

Escaping hydraulic fluid is a serious hazard. Escaping hydraulic fluid that is under pressure can penetrate the skin, causing serious injury. Relieve pressure before disconnecting the hydraulic lines.

Check/tighten all connections before applying pressure.

Never use your hand to search for leaks. Use a piece of cardboard or paper. If any fluid is injected into the skin, seek immediate medical attention. Gangrene may result if the wound is not treated within a few hours. Check your hydraulic fluid containers for warnings concerning the hydraulic fluids you use.

DO NOT walk within the radius of raised air drill wings.

SECTION 1 - GENERAL INFORMATION

SAFETY DURING OPERATION

DO NOT ALLOW ANYONE ON THE AIR DRILL while operating the air drill hydraulics.

NEVER disconnect the tractor from the air drill while the air drill wings are raised.

KEEP CHILDREN AWAY from the air drill during operation.

NEVER STAND within the radius of the raised wings. Hydraulic or mechanical failure may result in rapid or uncontrolled falling of the wings.

RAISE AND LOWER the wings only on level ground with the depth control fully raised.

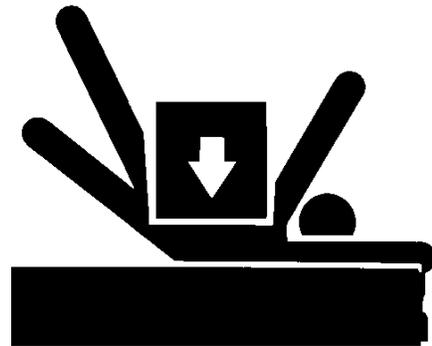


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PARK ON LEVEL GROUND and block adequately before servicing.

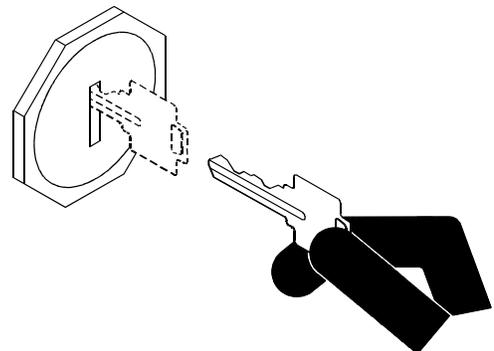
AVOID moving machines.

DO NOT sit or ride on moving implements. Death or injury may result.



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DISENGAGE POWER AND SHUT DOWN the tractor engine (remove the key from the tractor ignition), be certain that all moving parts have stopped, and all pressure in the system is relieved BEFORE cleaning, adjusting or lubricating the air drill.



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SECTION 1 - GENERAL INFORMATION

READ the operator's manual thoroughly.

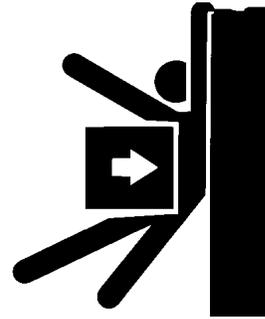
KEEP service area clean to prevent injury to service technicians and others.



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DO NOT enter tight areas. Be aware of pinch zones prior to commencing work.

BE CERTAIN machine is tagged 'out of order' or work area is supervised.



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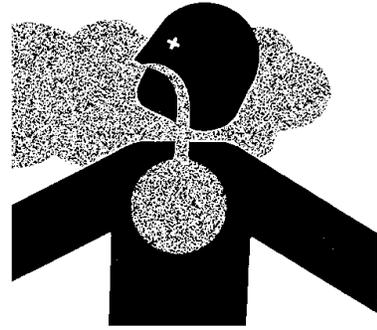
BE CERTAIN all moving parts have stopped before servicing.



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SECTION 1 - GENERAL INFORMATION

AVOID toxic vapors. Breathe clean air.



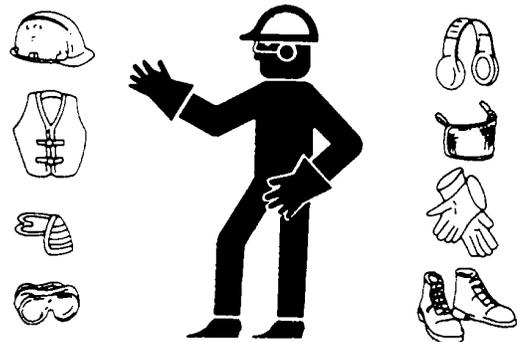
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DO NOT permit smoking.



196150S

WEAR protective clothing.



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SECTION 1 - GENERAL INFORMATION

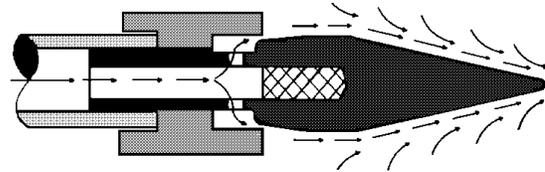
AIR AND AIR HOSES

COMPRESSOR HOSES may move unexpectedly when suddenly disconnected.



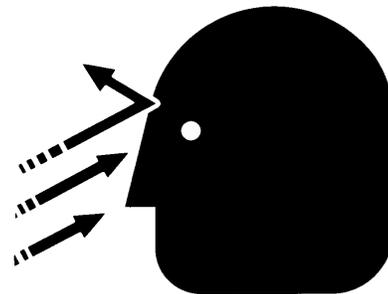
098005M1

USE PROPER air nozzles. Do not use compressed air to clean clothes or direct it toward any part of yourself.



098006M1

AVOID getting chemicals into eyes. Use eye protection.



098007M1

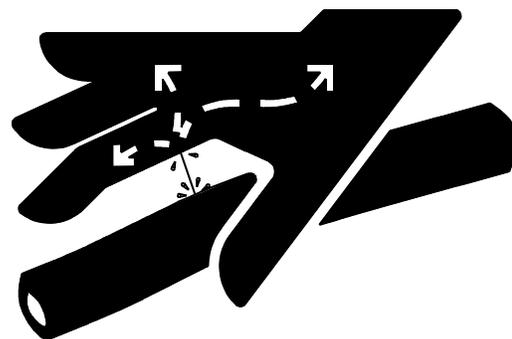
HYDRAULICS AND HYDRAULIC LEAKS

AVOID high-pressure fluids.

ESCAPING HYDRAULIC FLUID IS A SERIOUS HAZARD. Escaping hydraulic fluid under pressure can penetrate the skin causing serious injury. Relieve pressure before disconnecting the hydraulic lines. Check/tighten all connections **BEFORE** applying pressure.

BEWARE excessive hydraulic pressure. Explosive structural failure can result.

BEWARE air locks in cylinders. Large cylinder displacements can occur without hydraulic oil flow.



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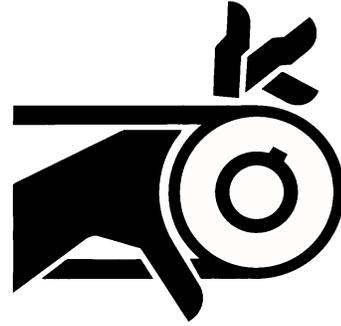
SECTION 1 - GENERAL INFORMATION

SHIELDS

REPAIR damaged shields.

KEEP all shields in place.

BE EXTRA CAUTIOUS when repairing or servicing without protective shields.



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ELECTRICAL

REMOVE the ground wire to avoid arcing contacts.

REMOVE GROUND WIRE when welding.



098009M1

TIRES

USE A CAGE IF POSSIBLE when setting tires on rims.

AVOID excessive air pressure.

DO NOT OVER-INFLATE TIRES. NEVER lean over a tire while inflating it.



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SECTION 1 - GENERAL INFORMATION

SAFETY DURING TRANSPORT

CHECK with local authorities regarding transport on public roads. Obey all applicable laws and regulations.

ONLY TOW at a safe speed (30 km/hr/18 mph). Use caution when turning corners or meeting traffic.

BE SURE transport lighting is plugged in and that the red taillight(s), amber flashers, and amber signal lights are all working properly.

ALWAYS be certain that no one is behind or near the air drill before moving it.

BE SURE all safety transport locks are in place before transporting the air drill.

BE SURE the reflector decals are clearly visible from all sides of the air drill and the 'Slow Moving Vehicle' sign is at the rear of the air drill in clear view of overtaking traffic.

BE SURE the tractor weight is equal to or greater than the total weight of the air cart and air drill.

BE SURE all the wheel bolts are torqued to proper specifications before transporting the air drill.

WATCH for power poles and overhead power lines.

ALWAYS lock the tractor drawbar when transporting the air drill.

ALWAYS park the air drill on level ground and block the wheels before unhooking from the towing vehicle.

NEVER subject the air drill to steep side grades while in transport position.

ALWAYS use the hitch jack supplied with the air drill when unhooking from the tractor.

NEVER brake or decelerate during cornering.

ALWAYS enter corners slowly. SLOW the machine to turning speed before entering a corner. DO NOT decelerate while executing the turn.

SAFETY DECALS

KEEP SAFETY DECALS CLEAN. Wipe clean when necessary.

CHECK that the safety decals are not obstructed by the openers. If the decals are covered up, replace in a location that is clear to view.

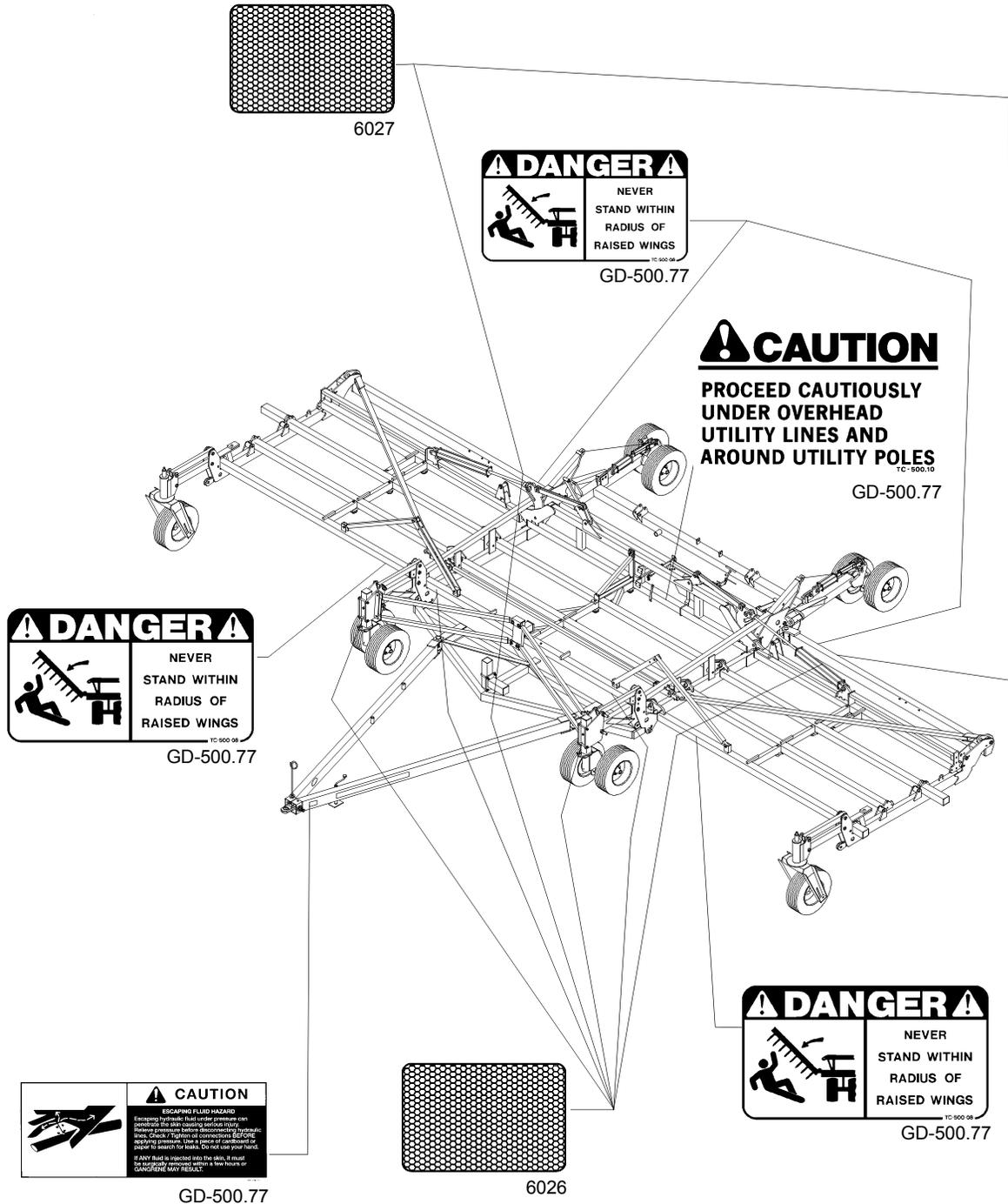
REPLACE missing or unreadable decals. New decals are available from your dealer.

To replace decals:

1. Remove the old decal. Clean the area where the new decal will be affixed.
2. Remove the decal backing. Carefully affix the decal to the air drill.
3. Work the air bubbles out from under the decal. Use a clean piece of paper or the decal backing itself.

SECTION 1 - GENERAL INFORMATION

DECAL LOCATIONS



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SECTION 1 - GENERAL INFORMATION

TRANSPORT LIGHTING BRACKETS

REF	DESCRIPTION	REF	DESCRIPTION
1	WASHER LOCK.313YZD	19	MODULE, IMPLEMENT LGHTNG CNTRL
2	NUT.313 UNC GR5 YZD	20	RETROREFLECTIVE RED
3	BOLT .313 X 1.5 UNC GR5 YZD	21	RETROREFLECTIVE AMBER
4	STRAP-14" TIE	22	FLUORESCENT RED-ORANGE
5	BOLT .5 X 7.5 UNC GR5 YZD	23	S.M.V. SIGN BRACKET
6	NUT .5 UNC GR5 YZD	24	UNIVERSAL
7	LOCKNUT .5 UNC GR B YZD	25	AMBER LIGHT MOUNT
8	WASHER LOCK .5 YZD	26	PLUG RECEPTACLE
9	SMV SIGN STEEL BACK 4 HOLES	27	RED LIGHT/DECAL MNT
10	US .5 4.125W 5.25D	28	AMBER LIGHT/DECAL MNT
11	BOLT .25 X .75 UNC GR5 YZD	29	LIGHT WARNING
12	LOCKNUT .25 UNC GR B YZD		LENS
13	BOLT .313 X 1 UNC GR5 YZD		BULB SINGLE CONTACT D.A.#1156
14	BOLT .5 X 1 UNC GR5 YZD		GASKET
15	LOCKNUT .625 UNC GR B YZD		GASKET
16	US .313 4.125W 4.75D	30	WASHER,.531 X 1.062 X .095
17	US .625 4.063W 5.375D	31	NUT .5 UNF GR5 YZD
18	TAIL/SIGNAL RED	32	CONNECTOR CAB PLSTC RCP 2C
	LIGHT RED SINGLE	33	WASHER LOCK .5 YZD
	BULB DOUBLE CONTACT D.A.#1157		

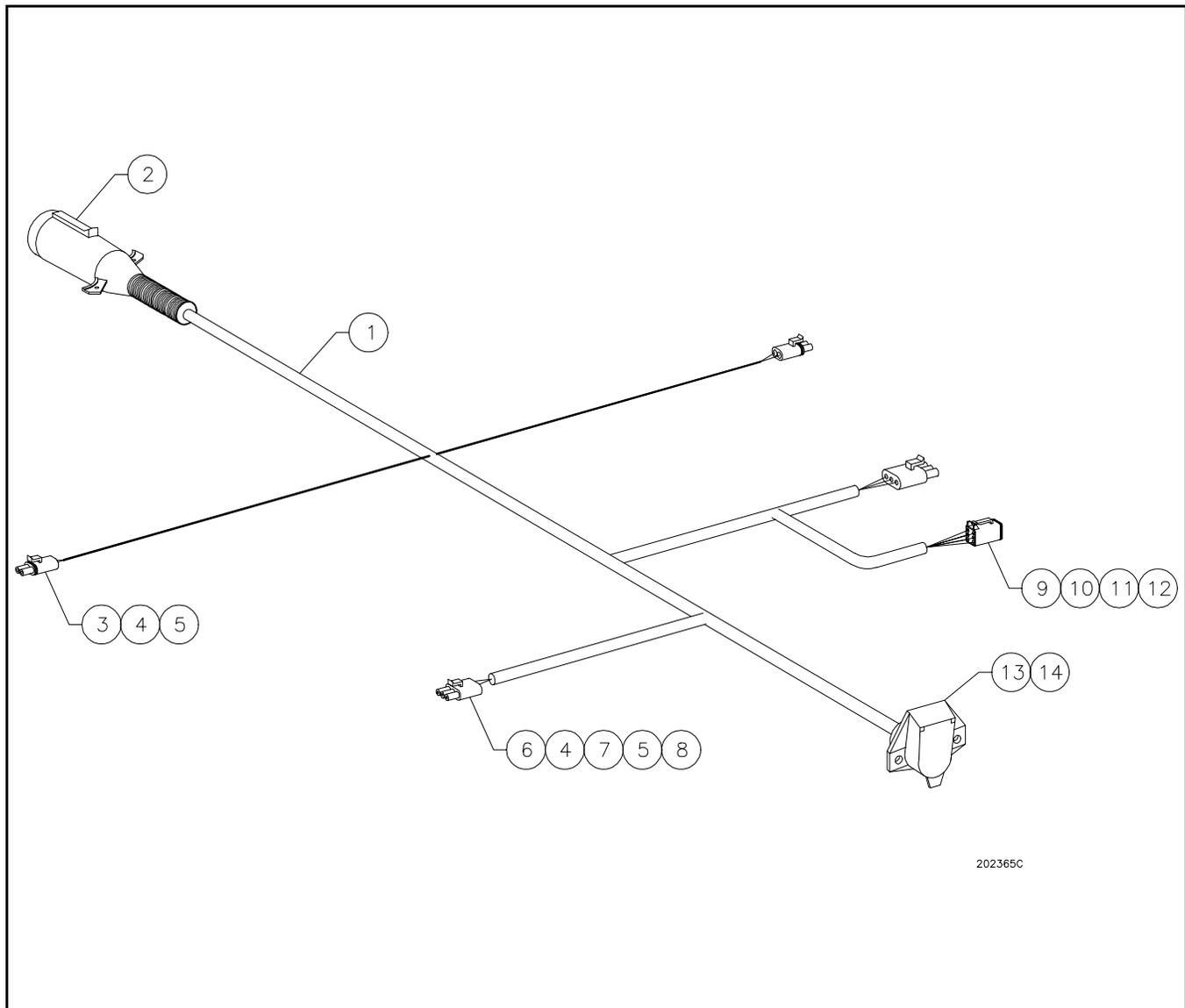
Transport Lighting Assembly

SECTION 1 - GENERAL INFORMATION

TRANSPORT LIGHTING ELECTRICAL ASSEMBLY

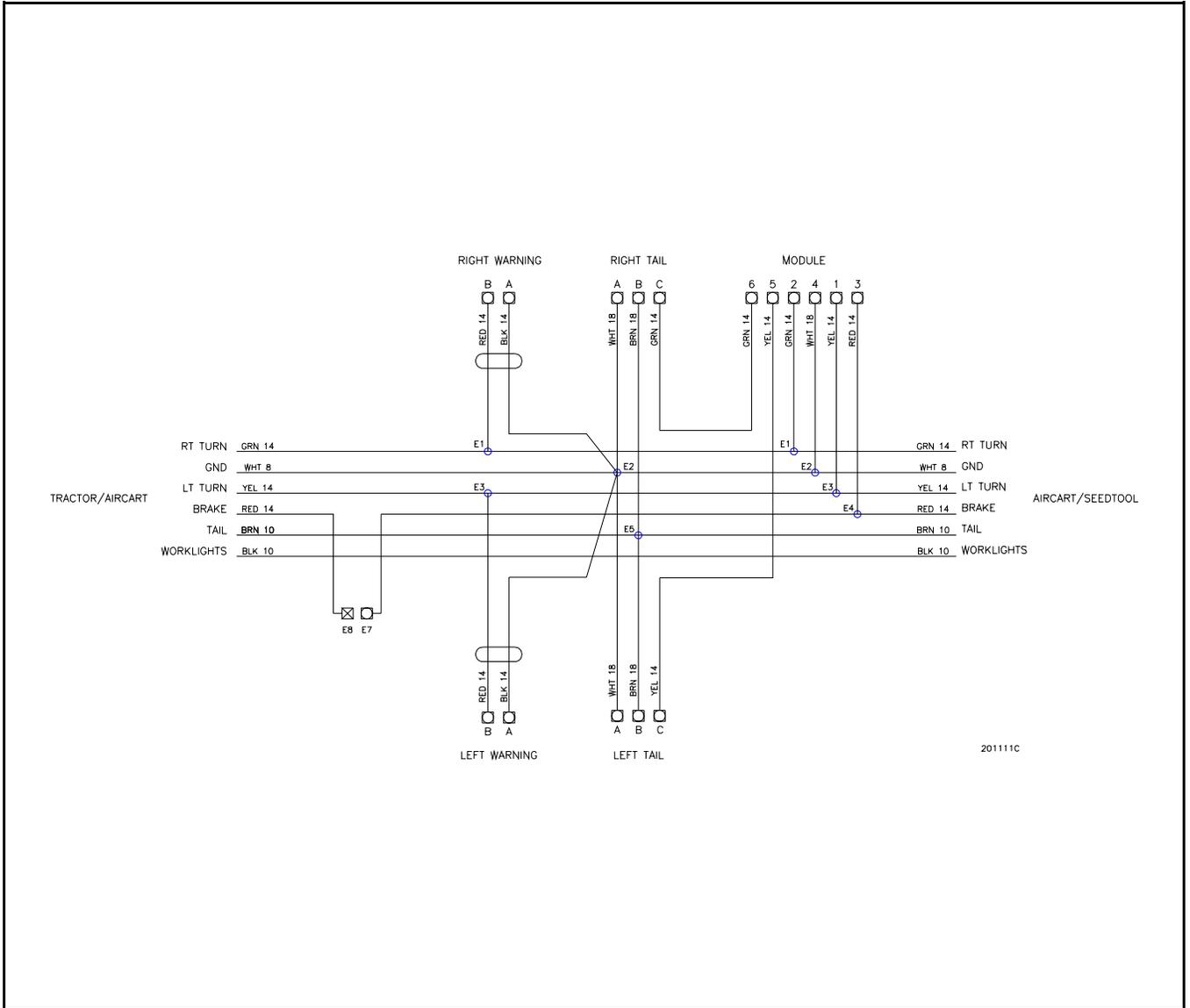
REF	DESCRIPTION	REF	DESCRIPTION
1	LIGHTING SEEDTOOL	9	CAB PLSTC PLG 6C
2	CAB METAL PLUG 7C	10	LOCK PLUG 6C DT
3	CONNECTOR CAB PLSTC PLUG 2C	11	CONTACT SKT 16-18AWG COP NKL P
4	CONTACT SKT 14-16AWG BRS TIN P	12	CONTACT 14-16AWG COP NKL P
5	CON GREY 3.49-2.81MM	13	CAB METAL RCP 7C
6	CONNECTOR CAB PLSTC PLUG 3C	14	CONNECTOR ACC RCP CABLE BOOT
7	CONTACT SKT 18-20AWG BRS TIN P	100	CABLE.75ID STL PLASTISOL (Not Shown)
8	SEAL GRN 2.8-2 OMM		

Transport Lighting Harness



Transport Lighting Harness

SECTION 1 - GENERAL INFORMATION



Transport Lighting Harness - Schematic

SECTION 1 - GENERAL INFORMATION

UNITS OF MEASURE

ABBREVIATIONS

Acres	ac	Kilometers per hour	km/hr
Atmospheres	atm	Kilopascal	kPa
Bushel	bu	Kilowatt	kW
Centimeters	cm	Liters per hectare	L/ha
Cubic Meters	m ³	Liters per minute	L/min
Cubic Feet	ft ³	Liters	L
Degrees Fahrenheit	F°	Meters	m or M
Degrees Celsius	C°	Miles per hour	mph
Feet	ft	Milliliters	mL
Fluid ounces	oz	Millimeters	mm
Gallons per minute	gal/m	Newton Meters	N·m
Gallons per acre	gal/ac	Ounces	oz
Gallons	gal	Pound force inches	lbf·in
Hectares	ha	Pound force feet	lbf·ft
Horsepower	hp	Pounds per square inch	PSI
Inch	in	Pounds	lbs
Kilograms per hectare	kg/ha	Pounds per acre	lbs/ac
Kilograms	kg	Ton (short)	t
Kilometer	km	Tonne	t

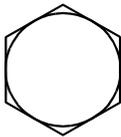
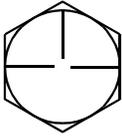
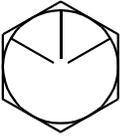
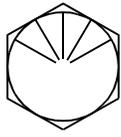
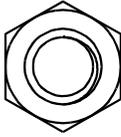
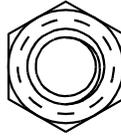
SECTION 1 - GENERAL INFORMATION

CONVERSION CHART

ac	x	0.405	= Hectares (ha)	L	x	0.028	= bu
atm	x	101.325	= kPa	L/ha	x	0.107	= U.S. gal/ac
Bar	x	100.00	= kPa	L/ha	x	0.089	= Imperial gal /ac
Bar	x	14.50	= PSI	L	x	0.264	= U.S. gal
bu	x	35.239	= L	L/min	x	0.220	= Imperial gal/min
cm	x	0.39	= in				
C°	(1.8 C°)+32	= F°		L	x	0.220	= Imperial gal
ft	x	0.31	= m	L/min	x	0.26	= U.S. gal/min
ft ³	x	0.03	= m ³	lb	x	0.454	= kg
F°	(F°-32) x(0.556)	= C°		lbf •ft	x	1.356	= N •m
ha	x	2.471	= ac	lbf •in	x	0.113	= N •m
hp	x	1.746	= kW	lbs/ac	x	1.121	= kg/ha
Imperial ounces	x	0.96	= U.S. oz	m	x	3.281	= ft
Imperial oz	x	28.413	= mL	m ³	x	35.34	= ft ³
Imperial oz	x	0.006	= Imperial gal	Mile	x	1.609	= km
Imperial gal /ac	x	11.234	= L/ha	mL	x	0.035	= Imperial oz
Imperial gal/min	x	4.546	= L/min	mL	x	0.034	= U.S. oz
Imperial gal	x	160.000	= Imperial oz	mm	x	0.039	= in
Imperial gal	x	1.201	= U.S. gal	mph	x	1.609	= km/hr
Imperial gal	x	4.546	= L	N •m	x	8.851	= lbf •in
Imperial gal /ac	x	1.201	= U.S. gal/ac	N •m	x	0.738	= lbf •ft
in	x	25.400	= mm	PSI	x	0.069	= Bar
in	x	2.540	= cm	PSI	x	6.895	= kPa
kg	x	2.210	= lb	short t	x	0.907	= t
kg/ha	x	0.892	= lbs/ac	t	x	1.10	= short t
km/hr	x	0.621	= mph	U.S. gal/min	x	3.785	= L/min
km	x	0.621	= Mile	U.S. oz	x	1.04	= Imperial oz
kPa	x	0.145	= PSI	U.S. gal/ac	x	0.833	= Imperial gal /ac
kPa	x	0.010	= atm	U.S. oz	x	0.008	= U.S. gal
kPa	x	0.010	= Bar	U.S. gal/ac	x	9.356	= L/ha
kW	x	1.358	= hp	U.S. gal	x	128.000	= U.S. oz
				U.S. oz	x	29.57	= mL
				U.S. gal	x	0.83	= Imperial gal
				U.S. gal	x	3.79	= L

SECTION 1 - GENERAL INFORMATION

BOLT TORQUE INFORMATION

	GRADE							
	1 OR 2	5	5.1	5.2	8	8.2	L9 (ALLOY)	
SAE MARKINGS FOR BOLTS AND CAP								
SAE MARKINGS FOR HEX NUTS	2		5			8		L9 (ALLOY)
								

Bolt and Nut Grade Information

1. Fasteners should be replaced with the same or higher grade. If higher grade fasteners are used, these should only be tightened to the strength of the original.
2. Make sure the fastener threads are clean and that thread engagement is started. This will prevent them from failing when being tightened.
3. Tighten plastic insert or crimped steel-type lock nuts to approximately 50 percent of the dry torque; applied to the nut, not to the bolt head. Tighten toothed or serrated-type lock nuts to the full torque value.
4. The L9 (Alloy) fasteners torque values are for a bolt, nut, and two washers.

NOTE: When using L9 (Alloy) fasteners, do not use the values in this table for tapped holes.

SECTION 1 - GENERAL INFORMATION

SIZE	GRADE 2*				GRADE 5, 5.1, OR 5.2				GRADE 8 OR 8.2				L9 (ALLOY)			
	Dry **		Lubricated**		Dry **		Lubricated**		Dry **		Lubricated**		Head		Nut	
	N·m	lbf·ft	N·m	lbf·ft	N·m	lbf·ft	N·m	lbf·ft	N·m	lbf·ft	N·m	lbf·ft	N·m	lbf·ft	N·m	lbf·ft
1/4 UNF	7.5	5.5	5.7	4.2	10.8	8	8.5	6.3	16.3	12	12.2	9	13.6	10	14.9	11
1/4 UNC	8.5	6.3	6.4	4.7	13.6	10	9.8	7.2	19	14	13.6	10	16.3	12	17.6	13
5/16 UNF	15	11	11	8	23	17	18	13	33	24	24	18	26	19	28	21
5/16 UNC	16	12	12	9	26	19	19	14	37	27	27	20	27	20	31	23
3/8 UNF	27	20	20	15	41	30	31	23	61	45	47	35	41	30	45	33
3/8 UNC	31	23	23	17	47	35	34	25	68	50	47	35	47	35	52	38
7/16 UNF	43	32	33	24	68	50	47	35	95	70	68	50	75	55	81	60
7/16 UNC	49	36	37	27	75	55	54	40	108	80	81	60	81	60	88	65
1/2 UNF	68	50	47	35	102	75	75	55	149	110	108	80	115	85	129	95
1/2 UNC	75	55	54	40	115	85	88	65	163	120	122	90	129	95	142	105
9/16 UNF	95	70	75	55	149	110	108	80	203	150	149	110	163	120	190	140
9/16 UNC	108	80	81	60	163	120	122	90	231	170	176	130	183	135	203	150
5/8 UNF	136	100	102	75	203	150	149	110	285	210	217	160	231	170	251	185
5/8 UNC	149	110	115	85	231	170	176	130	325	240	244	180	258	190	278	205
3/4 UNF	237	175	176	130	353	260	271	200	515	380	380	280	359	265	393	290
3/4 UNC	271	200	190	140	407	300	298	220	570	420	420	310	447	330	481	355
7/8 UNF	231	170	170	125	583	430	434	320	814	600	610	450	644	475	685	505
7/8 UNC	244	180	190	140	637	470	475	350	909	670	678	500	705	520	793	585
1 UNF	339	250	258	190	868	640	651	480	1234	910	922	680	746	550	1051	775
1 UNC	380	280	285	210	976	720	732	540	1383	1020	1031	760	949	700	1220	900
1-1/8 UNF	475	350	366	270	1071	790	800	590	1749	1290	1315	970	1390	1025	1559	1150
1-1/8 UNC	542	400	407	300	1207	890	909	670	1953	1440	1464	1080	1559	1150	1797	1325
1-1/4 UNF	678	500	515	380	1519	1120	1139	840	2468	1820	1844	1360	1898	1400	2170	1600
1-1/4 UNC	746	550	570	420	1681	1240	1261	930	2726	2010	2048	1510	2170	1600	2373	1750
1-1/2 UNF	1180	870	881	650	2644	1950	1980	1460	4285	3160	3214	2370	3932	2900	4407	3250
1-1/2 UNC	1329	980	990	730	2983	2200	2224	1640	4827	3560	3621	2670	4475	3300	4949	3650

Bolt Torque Information

DO NOT use these values if a different torque value or tightening procedure is given for a specific application. Torque values listed are for general use only. Check tightness of fasteners periodically. Shear bolts are designed to fail under predetermined loads. Always replace shear bolts with identical grade.

** "Lubricated" means coated with a lubricant such as engine oil, or fasteners with phosphate and oil coatings. "Dry" means plain or zinc plated without any lubrication.

* Grade 2 applies for hex caps (not hex bolts) up to 6" (152 mm) long. Grade 1 applies for hex cap screws over 6" (152 mm) long, and for all other types of bolts and screws of any length.

SECTION 1 - GENERAL INFORMATION

MACHINE SPECIFICATIONS

IMPLEMENT DIMENSIONS

Metric Dimensions (Meters)

BASE MACHINE	NO. OF SHANKS 7.2" SPC	NO. OF SHANKS 9" SPC	NO. OF SHANKS 12" SPC	WIDTH OF CUT 7.2" SPC	WIDTH OF CUT 9" SPC	WIDTH OF CUT 12" SPC	WIDTH OF CUT 14.4" SPC	TRANS. WIDTH	TRANS. HEIGHT	AIR DRILL DEPTH
8.2	45	37	27	8.2	8.5	8.2	8.4	6.2	3.5	8.8
10.1	55	45	33	10.1	10.3	10.1	10.2	6.2	4.4	8.8
11.9	65	53	39	11.9	12.1	11.9	12.1	6.2	5.3	8.8
13.7	75	61	45	13.7	14.0	13.7	13.9	6.2	4.2	8.8
15.5	85	69	51	15.5	15.8	15.5	15.7	6.2	5.2	8.8
17.4	95	77	57	17.4	17.6	17.4	17.6	6.2	5.2	8.8

Imperial Dimensions (Feet)

BASE MACHINE	NO. OF SHANKS 7.2" SPC	NO. OF SHANKS 9" SPC	NO. OF SHANKS 12" SPC	WIDTH OF CUT 7.2" SPC	WIDTH OF CUT 9" SPC	WIDTH OF CUT 12" SPC	WIDTH OF CUT 14.4" SPC	TRANS. WIDTH	TRANS. HEIGHT	AIR DRILL DEPTH
27	45	37	27	27.0	27.8	27.0	27.6	20'6"	11'6"	29'
33	55	45	33	33.0	33.8	33.0	33.6	20'6"	14'6"	29'
39	65	53	39	39.0	39.8	39.0	39.6	20'6"	17'6"	29'
45	75	61	45	45.0	45.8	45.0	45.6	20'6"	13'11"	29'
51	85	68	51	51.0	51.8	51.0	51.6	20'6"	16'11"	29'
57	95	77	57	57.0	57.8	57.0	57.6	20'6"	16'11"	29'

NOTE: Specifications subject to change without notice.

SECTION 1 - GENERAL INFORMATION

IMPLEMENT WEIGHT

Implement Weight in Kilograms and Pounds

BASE MACHINE WIDTH	NO. OF SHANKS 7.2" SPC	WITH HOE/TRIP SHANK	WITH 350 POUND TRIPS	WITH 550 POUND TRIPS
2 1/4" STEEL PRESS WHEELS				
27	45	6546 kg (14431 lbs)	7028 kg (15495 lbs)	7179 kg (15826 lbs)
33	55	7396 kg (16305 lbs)	7987 kg (17609 lbs)	8169 kg (18010 lbs)
39	65	8324 kg (18350 lbs)	9024 kg (19894 lbs)	9238 kg (20365 lbs)
45	75	10458 kg (23055 lbs)	11263 kg (24831 lbs)	11512 kg (25380 lbs)
51	85	11473 kg (25293 lbs)	12398 kg (27333 lbs)	13131 kg (28948 lbs)
57	95	12196 kg (26887 lbs)	13219 kg (29143 lbs)	13532 kg (29832 lbs)
3 1/2" STEEL PRESS WHEELS				
27	45	6539 kg (14415 lbs)	7021 kg (15479 lbs)	7176 kg (15821 lbs)
33	55	7392 kg (16296 lbs)	7983 kg (17600 lbs)	8165 kg (18001 lbs)
39	65	8315 kg (18331 lbs)	9015 kg (19875 lbs)	9229 kg (20346 lbs)
45	75	10450 kg (23038 lbs)	11256 kg (24814 lbs)	11505 kg (25363 lbs)
51	85	11496 kg (25345 lbs)	12422 kg (27385 lbs)	13154 kg (29000 lbs)
57	95	12185 kg (26862 lbs)	13208 kg (29118 lbs)	13520 kg (29807 lbs)
3" RUBBER PRESS WHEELS				
27	45	6671 kg (14706 lbs)	7063 kg (15570 lbs)	7303 kg (16101 lbs)
33	55	7555 kg (16655 lbs)	8146 kg (17959 lbs)	8328 kg (18360 lbs)
39	65	8507 kg (18754 lbs)	9207 kg (20298 lbs)	9421 kg (20769 lbs)
45	75	10673 kg (23529 lbs)	11478 kg (25305 lbs)	11727 kg (25854 lbs)
51	85	11712 kg (25821 lbs)	12638 kg (27861 lbs)	13370 kg (29476 lbs)
57	95	12467 kg (27485 lbs)	13490 kg (29741 lbs)	13803 kg (30430 lbs)

NOTE: Weights listed do not include ground engaging tools or harrows.

SECTION 1 - GENERAL INFORMATION

Implement Weight in Kilograms and Pounds

BASE MACHINE WIDTH	NO. OF SHANKS 9" SPC	WITH HOE/TRIP SHANK	WITH 350 POUND TRIPS	WITH 550 POUND TRIPS
2 1/4" STEEL PRESS WHEELS				
27	37	6412 kg (14135 lbs)	6814 kg (15023 lbs)	6932 kg (15282 lbs)
33	45	7173 kg (15813 lbs)	7663 kg (16893 lbs)	7805 kg (17208 lbs)
39	53	8011 kg (17661 lbs)	8588 kg (18933 lbs)	8756 kg (19304 lbs)
45	61	10026 kg (22103 lbs)	10690 kg (23567 lbs)	10884 kg (23994 lbs)
51	68	10810 kg (23833 lbs)	11551 kg (25465 lbs)	12137 kg (26757 lbs)
57	77	11493 kg (25337 lbs)	12331 kg (27185 lbs)	12576 kg (27724 lbs)
3 1/2" STEEL PRESS WHEELS				
27	37	6245 kg (13768 lbs)	6648 kg (14656 lbs)	6765 kg (14915 lbs)
33	45	7004 kg (15441 lbs)	7494 kg (16521 lbs)	7637 kg (16836 lbs)
39	53	7869 kg (17348 lbs)	8446 kg (18620 lbs)	8614 kg (18991 lbs)
45	61	9936 kg (21906 lbs)	10601 kg (23370 lbs)	10794 kg (23797 lbs)
51	68	10828 kg (23871 lbs)	11568 kg (25503 lbs)	12154 kg (26795 lbs)
57	77	11514 kg (25384 lbs)	12352 kg (27232 lbs)	12597 kg (27771 lbs)
3" RUBBER PRESS WHEELS				
27	37	6339 kg (13976 lbs)	6742 kg (14864 lbs)	6860 kg (15123 lbs)
33	45	7119 kg (15695 lbs)	7609 kg (16775 lbs)	7752 kg (17090 lbs)
39	53	8004 kg (17646 lbs)	8581 kg (18918 lbs)	8749 kg (19289 lbs)
45	61	10093 kg (22250 lbs)	10757 kg (23714 lbs)	10950 kg (24141 lbs)
51	68	11004 kg (24259 lbs)	11744 kg (25891 lbs)	12330 kg (27183 lbs)
57	77	11711 kg (25818 lbs)	12549 kg (27666 lbs)	12794 kg (28205 lbs)
4" RUBBER PRESS WHEELS				
27	37	6339 kg (13976 lbs)	6742 kg (14864 lbs)	6860 kg (15123 lbs)
33	45	7119 kg (15695 lbs)	7609 kg (16775 lbs)	7752 kg (17090 lbs)
39	53	8004 kg (17646 lbs)	8581 kg (18918 lbs)	8749 kg (19289 lbs)
45	61	10093 kg (22250 lbs)	10757 kg (23714 lbs)	10950 kg (24141 lbs)
51	68	11050 kg (24361 lbs)	11790 kg (25993 lbs)	12376 kg (27285 lbs)
57	77	11711 kg (25818 lbs)	12549 kg (27666 lbs)	12794 kg (28205 lbs)

NOTE: Weights listed do not include ground engaging tools or harrows.

Implement Weight in Kilograms and Pounds

BASE MACHINE WIDTH	NO. OF SHANKS 12" SPC	WITH HOE/TRIP SHANK	WITH 350 POUND TRIPS	WITH 550 POUND TRIPS
2 1/4" STEEL PRESS WHEELS				
27	27	5819 kg (12828 lbs)	6113 kg (13476 lbs)	6198 kg (13665 lbs)
33	33	6480 kg (14285 lbs)	6839 kg (15077 lbs)	6944 kg (15308 lbs)
39	39	7276 kg (16041 lbs)	7701 kg (16977 lbs)	7825 kg (17250 lbs)
45	45	9232 kg (20352 lbs)	9721 kg (21432 lbs)	9864 kg (21747 lbs)
51	51	10233 kg (22559 lbs)	10788 kg (23783 lbs)	11227 kg (24752 lbs)
57	57	10629 kg (23432 lbs)	11249 kg (24800 lbs)	11430 kg (25199 lbs)
3 1/2" STEEL PRESS WHEELS				
27	27	5828 kg (12849 lbs)	6122 kg (13497 lbs)	6208 kg (13686 lbs)
33	33	6514 kg (14361 lbs)	6873 kg (15153 lbs)	6978 kg (15384 lbs)
39	39	7278 kg (16046 lbs)	7703 kg (16982 lbs)	7827 kg (17255 lbs)
45	45	9281 kg (20460 lbs)	9770 kg (21540 lbs)	9913 kg (21855 lbs)
51	51	10276 kg (22655 lbs)	10831 kg (23879 lbs)	11271 kg (24848 lbs)
57	57	10690 kg (23568 lbs)	11311 kg (24936 lbs)	11492 kg (25335 lbs)
3" RUBBER PRESS WHEELS				
27	27	5907 kg (13023 lbs)	6201 kg (13671 lbs)	6287 kg (13860 lbs)
33	33	6601 kg (14553 lbs)	6960 kg (15345 lbs)	7065 kg (15576 lbs)
39	39	7386 kg (16284 lbs)	7811 kg (17220 lbs)	7935 kg (17493 lbs)
45	45	9397 kg (20716 lbs)	9887 kg (21796 lbs)	10029 kg (22111 lbs)
51	51	10413 kg (22957 lbs)	10968 kg (24181 lbs)	11408 kg (25150 lbs)
57	57	10836 kg (23888 lbs)	11456 kg (25256 lbs)	11637 kg (25655 lbs)
4" RUBBER PRESS WHEELS				
27	27	5907 kg (13023 lbs)	6201 kg (13671 lbs)	6287 kg (13860 lbs)
33	33	6601 kg (14553 lbs)	6960 kg (15345 lbs)	7065 kg (15576 lbs)
39	39	7386 kg (16284 lbs)	7811 kg (17220 lbs)	7935 kg (17493 lbs)
45	45	9397 kg (20716 lbs)	9887 kg (21796 lbs)	10029 kg (22111 lbs)
51	51	10433 kg (23000 lbs)	10988 kg (24224 lbs)	11427 kg (25193 lbs)
57	57	10836 kg (23888 lbs)	11456 kg (25256 lbs)	11637 kg (25655 lbs)

NOTE: Weights listed do not include ground engaging tools or harrows.

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