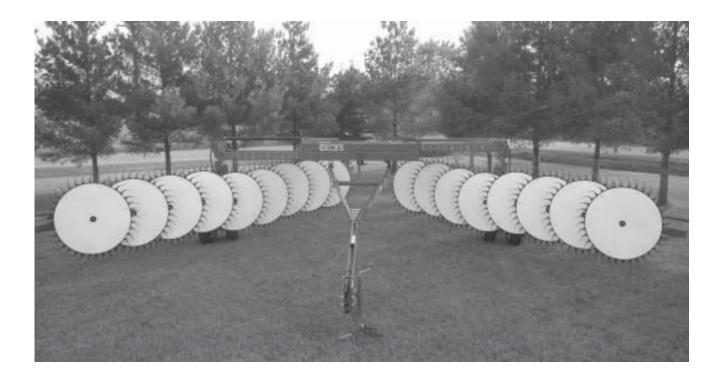
OPERATOR'S MANUAL HEAVY DUTY WHEEL RAKE

WR1417



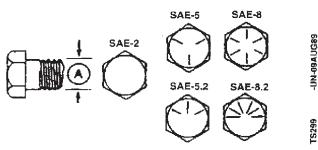


HSMFG0105

TABLE OF CONTENTS

TABLE OF CONTENTS	INSIDE COVER
WARRANTY & WARRANTY STATEMENT	1
DEALER PRE-DELIVERY & DELIVERY CHECKLIST	3
SPECIFICATIONS	5
BOLT TORQUE CHART	6
BE ALERT SYMBOL	7
SAFETY RULES	8-9
DANGER - WARNING DECALS	10
OPERATION WR1417	11-13
ADJUSTMENTS	14-15
LUBRICATION WR1417	16
DECAL LOCATION	17
TROUBLE SHOOTING	18
ORDERING PARTS - ABOUT IMPROVEMENTS	19
PARTS LISTS & DIAGRAMS WR1417	
TECHNICAL HYDRAULICS	
TECHNICAL WIRING MAIN HARNESS	31
TECHNICAL WIRING CONTROL BOX HARNESS	32
OPEN CENTER CHANGE	
SERVICE RECORDS	

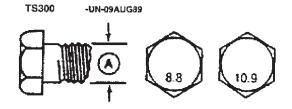
CAP SCREW TORQUE VALUES



Inch Cap Screw Head Markings

INCH CAP SCREW TORQUE VALUES

				Cap Se	crew Grad	le	1	
Bolt				S	AE 8			
Diameter Wrench								
(A)	Size	N-m	lbft	N-m	ibft	N-m	lb-ft	
1/4"	7/16"	7	(5)	11	(8)	16	(12)	
5/16``	1/2"	14	(10)	23	(17)	33	(24)	
3/8"	9/16"	24	(18)	41	(30)	54	(40)	
7/16"	5/8*	41	(30)	68	(50)	95	(70)	
1/2"	3/4"	61	(45)	102	(75)	142	(105)	
9/16"	13/16"	88	(65)	142	(105)	203	(150)	
5/8"	15/16"	122	(90)	197	(145)	278	(205)	
3/4"	1-1/8″	217	(160)	353	(260)	495	(365)	
7/8″	1-5/16"	224	(165)	563	(415)	800	(590)	
1"	1-1/2"	332	(245)	848	(625)	1193	(880)	
1-1/4"	1-7/8"	665	(490)	1492	(1100)	2393	(1765)	



Metric Cap Screw Head Markings

METRIC CAP SCREW TORQUE VALUES

		м	Markings on Cap Screw Heads						
Bolt			8.6 10		10.9				
Diameter Wrench									
(A)	Size	N-m	lbft	N-m	lbft				
5 m m	8 mm	6	(4.5)	9	(6.5)				
6 mm	10 mm	10	(7.5)	15	(11)				
8 mm	13 mm	25	(18)	35	(26)				
10 mm	16 mm	50	(37)	75	(55)				
12 mm	18 mm	85	(63)	130	(97)				
16 mm	24 mm	215	(159)	315	(232)				
20 mm 24 mm 30 mm	30 mm 36 mm 46 mm	435 750 1495	(321) (553) (1103)	620 1070 2130	(457) (789) (1571)				



CAUTION: Use only metric tools on metric hardware. Other tools may not fit properly. They may slip and cause injury.

DO NOT use these values if a different torque value tightening procedure is listed for a specific application. Torque values listed are for general use only. Check tightness of cap screws periodically.

Shear bolts are designed to fail under predetermined loads. Always replace shear bolts with identical grade. 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.

Make sure fastener threads are clean and you properly start thread engagement. This will prevent them from failing when tightening.

Tighten plastic insert or crimped steel-type lock nuts to approximately 50 percent of amount shown in chart. Tighten toothed or serrated-type lock nuts to full torque value.



BE ALERT! YOUR SAFETY

IS INVOLVED.

THIS SYMBOL IS USED THROUGHOUT THIS BOOK WHENEVER YOUR PERSONAL SAFETY IS INVOLVED. TAKE TIME TO BE CAREFUL. REMEMBER: THE CAREFUL OPERATOR IS THE BEST OPERATOR. MOST ACCIDENTS ARE CAUSED BY HUMAN ERROR. CERTAIN PRECAUTIONS MUST BE OBSERVED TO PREVENT THE POSSIBILITY OF INJURY OR DAMAGE.

TRACTORS This operator's manual uses the term "Tractor" when identifying the power source.

RECOGNIZE SAFETY INFORMATION

This is the safety-alert symbol. When you see this symbol on your machine or in this manual, be alert to the potential for personal injury.

Follow recommended precautions and safe operating practices.



UNDERSTAND SIGNAL WORDS

A signal word- DANGER, WARNING, or CAUTION - is used with the safety-alert symbol. DANGER identifies the most serious hazards.

Safety signs with signal word DANGER or WARNING are typically near specific hazards.

General precautions are listed on CAUTION safety signs.





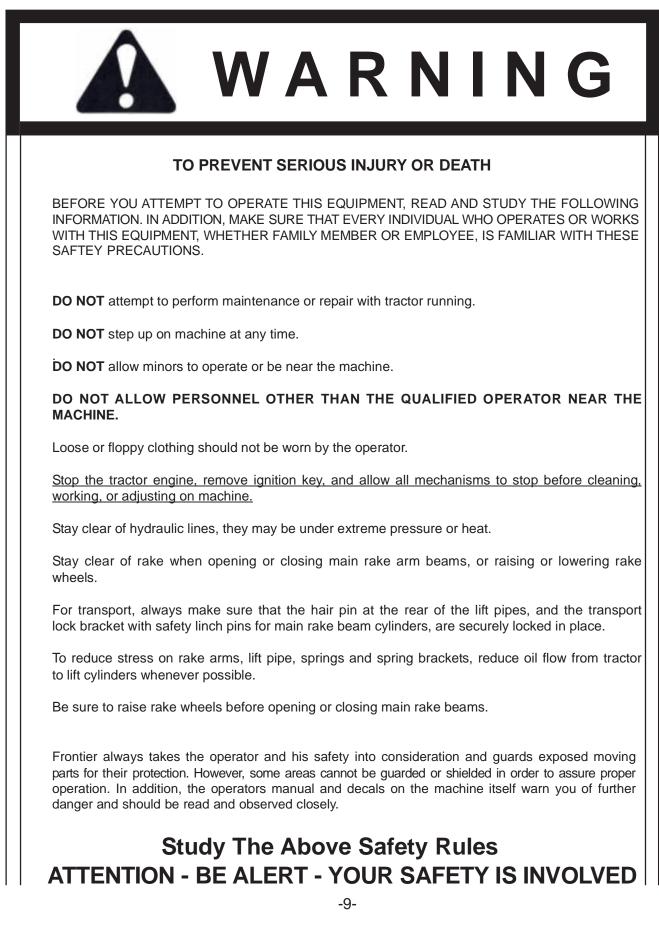
FOLLOW SAFETY INSTRUCTIONS

Carefully read all safety messages in this manual, and all safety signs on your machine. Follow all recommended precautions and safe operating procedures.

Keep signs in good condition. Immediately replace any missing or damaged signs.

TRACTORS

This operators manual uses the term "Tractor" when identifying the power source.



Thank you so much for reading. Please click the "Buy Now!" button below to download the complete manual.



After you pay.

You can download the most perfect and complete manual in the world immediately.

Our support email:

ebooklibonline@outlook.com