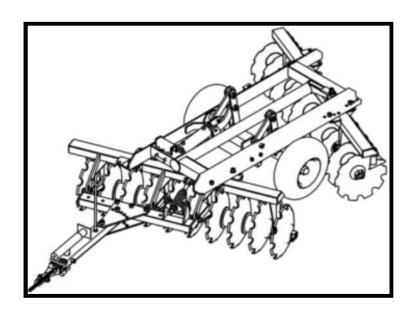


ASSEMBLY & OPERATING INSTRUCTIONS



MODELS DH4411 & DH4414 WHEEL-TYPE OFFSET DISK HARROWS

FORM NO.: <u>5RPMAN294AO</u>

PUBLISHED DATE: 06-08

Printed in USA

Introduction

READ THIS MANUAL carefully to learn how to operate and service your machine correctly. Failure to do so could result in personal injury or equipment damage. This manual and safety signs on your machine may be ordered from your Frontier dealer.

THIS MANUAL SHOULD BE CONSIDERED a permanent part of your machine and should remain with the machine when you sell it.

MEASUREMENTS in this manual are given in customary U.S. units. Use only the correct replacement parts and fasteners.

RIGHT-HAND AND LEFT-HAND sides are determined by facing in the direction the implement will travel when going forward.

WRITE DOWN PRODUCT IDENTIFICATION NUMBERS. Accurately record all the numbers to help in tracing the machine should it be stolen. Your Frontier dealer also needs these numbers when you order parts. File the identification numbers in a secure place off the machine.

WARRANTY is provided as a part of Frontier's support program for customers who operate and maintain their equipment as described in this manual. The warranties are explained on the warranty pages that are included in this manual.

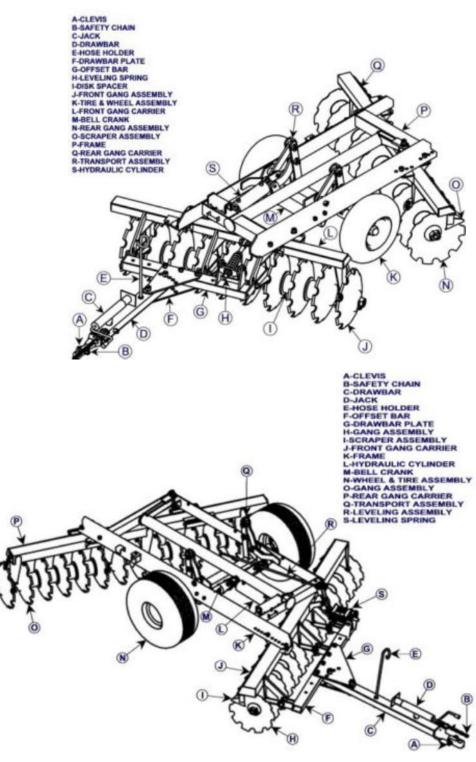
This warranty provides you the assurance that Frontier will back its products where defects appear within the warranty period. In some circumstances, Frontier also provides field improvements, often without charge to the customer, even if the product is out of warranty. Should the equipment be abused or modified to change its performance beyond the original factory specifications, the warranty will become void and field improvements may be denied. Setting fuel delivery above specifications or otherwise overpowering machines will result in such action.

PRODUCT IDENTIFICATION	
GENERAL INFORMATION	7
CHECKLISTS	8
PREDELIVERY CHECKLIST	8
DELIVERY CHECKLIST	
AFTER-SALE CHECKLIST	10
EACH MORNING OF OPERATION CHECKLIST	10
BEFORE EACH SEASON CHECKLIST	10
SAFETY SIGNS	11
SAFETY	13
RECOGNIZE SAFETY INFORMATION	13
UNDERSTAND SIGNAL WORDS	13
FOLLOW SAFETY INSTRUCTIONS	13
USE SEAT BELT PROPERLY	14
OPERATE SAFELY	
KEEP RIDERS OFF MACHINE	15
PREPARE FOR EMERGENCIES	15
WEAR PROTECTIVE CLOTHING	15
PROTECT AGAINST NOISE	_
USE SAFETY LIGHTS AND DEVICES	16
USE A SAFETY CHAIN	16
TRANSPORT SAFELY	17
TOW LOADS SAFELY	
PRACTICE SAFE MAINTENANCE	
REMOVE PAINT BEFORE WELDING OR HEATING	
AVOID HEATING NEAR PRESSURIZED FLUID LINES	
AVOID HIGH-PRESSURE FLUIDS	
AVOID HARMFUL ASBESTOS DUST	
STORE ATTACHMENTS SAFELY	
DISPOSE OF WASTE PROPERLY	
PREPARING THE TRACTOR	_
POSITIONING DRAWBAR	_
PREPARING THE DISK	
CHECKING AND LUBRICATING DISK	
ADJUSTING RIGID SCRAPERS	
ATTACHING AND DETACHING	
ATTACHING DISK TO TRACTOR	
ATTACHING SAFETY CHAIN TO TRACTOR	
ATTACHING HYDRAULIC HOSES	
ATTACHING WARNING LIGHT PLUG	
DETACHING DISK FROM TRACTOR	
CHECKING TRANSPORT CONTROL	
CHECKING LEVELING ADJUSTMENT	
TRANSPORTING MACHINE	
CAUTION: SAFETY GUIDELINES	32
POSITIONING TRACTOR DRAWBAR FOR TRANSPORT (FOUR WHEEL DRIVE	00
TRACTORS)	33

	POSITIONING JACK FOR TRANSPORT	. 33	3
	ATTACH SAFETY CHAIN TO TRACTOR	. 33	3
	INSTALL TRANSPORT LOCK		
	ATTACHING WARNING LIGHT PLUG	. 34	ļ
	TRANSPORTING THE MACHINE		
	PERATING THE MACHINE		
	CAUTION: SAFETY GUIDELINES		
	GUIDELINES FOR USE		
	TIGHTEN HARDWARE		
	OPERATING SPEED		
	HYDRAULIC CONTROL		
	SCRAPER ADJUSTMENT		
	PREPARING TO OPERATE IN FIELD		
	SET DEPTH OF PENETRATION CONTROL		
	ANGLING FRONT AND REAR GANGS		
	REAR GANG SIDE ADJUSTMENT		
	OFFSET BAR HEIGHT ADJUSTMENT		
	LEVELING FRONT TO REAR		
	POSITIONING THE DRAWBAR ON OFFSET BAR TO REDUCE TRACTOR SIDE DRAFT		
	ADJUSTING SIDE DRAFT		
	ADJUSTING UNEVEN GANG PENETRATION		
	SET DRAWBAR ANGLE		
	IBRICATIONLUBRICANT STORAGE		
	LUBRICATE GANG BEARINGS		
	LUBRICATE GANG BEARINGSLUBRICATE WHEEL BEARINGS		
	LUBRICATE WHEEL BEAKINGSLUBRICATE BELL CRANK BEARINGS		
	LUBRICATE LEVELING ADJUSTMENT SPRING		
	AINTENANCE		
IVI	CAUTION: SAFETY GUIDELINES	. 47 17	7
	CHECKING WHEEL BOLTS AND BEARINGS		
	REPACK WHEEL HUB BEARINGS ANNUALLY		
	GANG BEARINGS		
	DISK GANGS		
	HYDRAULIC HOSES		
	REMOVING HYDRAULIC CYLINDERS		
	BLEEDING TRANSPORT CYLINDER		
	SERVICING DISK GANGS	. 51	ĺ
	ASSEMBLING DISK SPACERS		
	GANG AXLE NUT WRENCHES	. 51	l
	TIGHTEN GANG AXLE NUTS	. 52	2
	ATTACHING DISK GANGS TO STANDARDS	. 53	3
	SERVICE TIRES SAFELY		
	CHECKING TIRE PRESSURE	. 54	ļ
	TIRE PRESSURE CHART		
	ORAGE		
	BEGINNING OF SEASON MAINTENANCE	. 56	ì

END OF SEASON MAINTENANCE	56
ASSEMBLY	57
CAUTION: SAFETY GUIDELINES	57
CHECK ALL PARTS ON PACKING LIST	
STEP 1. ASSEMBLING GANGS	58
STEP 2. INSTALLING GANGS ON GANG CARRIERS	60
STEP 3. INSTALLING GANG CARRIERS TO FRAME	60
STEP 4. INSTALLING TRANSPORT ASSEMBLY	
STEP 5. INSTALLING WHEEL ASSEMBLIES	
STEP 6. INSTALLING OFFSET BAR AND LEVELING SPRING ROD	61
STEP 7. INSTALLING DRAWBAR	
STEP 8. ATTACH JACK ASSEMBLY	
STEP 9. ADJUSTING THE SCRAPERS	62
STEP 10. INSTALLING HYDRAULIC CONTROL GROUPS	62
ATTACHMENT ASSEMBLY	63
INSTALL SAFETY CHAIN	
BEARING WEAR PLATES	63
INSTALL WARNING LIGHTS (Model DH4414)	64
SUGGESTED REPAIR PARTS (DH4411)	
SUGGESTED REPAIR PARTS (DH4414)	66
SPECIFICATIONS - CONSTRUCTION OFFSET DISK MODELS DH4411 AND	67
DH4414	67

PRODUCT IDENTIFICATION Frontier Models DH4411 & DH4414 Wheel -Type Offset Disk Harrows



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