

NEW HOLLAND

**1431
1432**

**REPAIR
MANUAL**



NEW HOLLAND

SERVICE

1431, 1432 REPAIR MANUAL CONTENTS

SECTION 00 - GENERAL INFORMATION

SECTION 31 - IMPLEMENT POWER TAKE OFF (PTO)

SECTION 35 - HYDRAULIC SYSTEM

SECTION 39 - FRAMES/TONGUE AND HITCHES

SECTION 55 - ELECTRICAL SYSTEM

SECTION 58 - ATTACHMENTS/HEADERS

SECTION 90 - DECALS

The sections used through out all New Holland product Repair manuals may not be used for each product. Each Repair manual will be made up of one or several books.

The sections listed above are the sections utilized for the 1431, 1432 Disc Mower-Conditioners.

SECTION 00 - GENERAL INFORMATION

Chapter 1 - General Information

CONTENTS

Section	Description	Page
	Special Tools	00-2
	Model 1431	00-2
	Model 1432	00-4
	Labor Guide	00-11

SPECIAL TOOLS

Tool Number	Description/Use
Section 31	
NHO1386	Pivot tongue gearbox neck cap screws
610R	Snap ring remover
Local Manufacture	Neck lock nut removal
Local Manufacture	Holding tool for neck housing
Local Manufacture	Neck rolling torque measurement
Section 58	
FNH23ET95	Top cap bearing cover
FNH01221-2	Cutter bar tie bolt holding tool
FNH01221-3	Cutter bar wrench

SPECIFICATIONS**MODEL 1431****Standard Tongue****Swivel Hitch Tongue****Overall Width**

Transport position 4000 mm (13'3")
 Field position 5791 mm (19'0")

4000 mm (13'3")
 6274 mm (20'7")

Overall Length

Transport position 7925 mm (26'0")
 Field position 6375 mm (20'11")

8484 mm (27'10")
 6934 mm (22'9")

Height

Transport position 2032 mm (6'8")
 Field position 1676 mm (5'6")

2032 mm (6'8")
 1676 mm (5'6")

Ground Clearance 457 mm (18")

457 mm (18")

Wheel Tread Width 3772 mm (148.5")

3772 mm (148.5")

Weight 2557 kg (5600 lbs.)

2694 kg (5900 lbs.)

Driveline

Tractor Requirement	67 KW (90 HP) or greater with standard category 2 or 3 ASAE hitch and PTO locations. Two remote hydraulic circuits capable of 104 bar (1500 PSI).
Input Speed	1000 RPM only
Drive	1000 RPM PTO with slip clutch/overrunning clutch, enclosed gears and (3) HB banded belts with spring loaded idlers.

Header

Cutting Width	3906 mm (13'0")
Flotation	Vertical & radial
Windrow Width	914 mm to 2438 mm (3' to 8')
Header Lift	Hydraulic (master-slave system)

Cutter Bar

Type	Modular
No. of Discs	8 counter-rotating, 2 co-rotating
Knives per Disc	2
Disc Cutting Diameter	500 mm (19.7")
Disc Drive	Bevel gears in sealed modules
Disc Speed	3000 RPM
Cutting Height, Approximate	32 mm to 83 mm (1.25" to 3.25")

Conditioner

Type	Intermeshing rolls
Drive	4HB V-belt, enclosed gears with u-joint drives to upper & lower rolls.

Rolls

Type	Molded rubber with intermeshing chevron design.
Length	2591 mm (102")
Diameter	264 mm (10.38")
Speed	640 RPM

Operating Speed 0 to 14 KPH (0 to 9 MPH)

Transport Speed 40 KPH (25 MPH) maximum

Capacity 3.06 H/hr (7.56 A/hr) @ 10 KPH (6 MPH) & 80% field efficiency.

Tire 31.5 x 13.5L x 15, 6 ply tubeless agricultural rib implement tire

Tire Pressure 207 kPa or 2.07 bar (30 PSI).

Jack 2000 lb. capacity side-wind

Tongue Shift Hydraulic

MODEL 1432

	Standard Tongue	Swivel Hitch Tongue
Overall Width		
Transport position	4000 mm (13'3")	4000 mm (13'3")
Field position	5791 mm (19'0")	6274 mm (20'7")
Overall Length		
Transport position	8052 mm (26'5")	8611 mm (28'")
Field position	6502 mm (21'4")	7061 mm (23'2")
Height		
Transport position	2184 mm (7'2")	2184 mm (7'2")
Field position	1829 mm (6'0")	1803 mm (5'11")
Ground Clearance	406 mm (16")	406 mm (16")
Wheel Tread Width	3772 mm (148.5")	3772 mm (148.5")
Weight	2582 kg (5655 lbs.)	2719 kg (5955 lbs.)
Driveline		
Tractor Requirement	67 KW (90 HP) or greater with standard category 2 or 3 ASAE hitch and PTO locations. Two remote hydraulic circuits capable of 104 bar (1500 PSI).	
Input Speed	1000 RPM only	
Drive	1000 RPM PTO with slip clutch/overrunning clutch, enclosed gears and (3) HB banded belts with spring loaded idlers.	
Header		
Cutting Width	3906 mm (13'0")	
Flotation	Vertical & radial	
Windrow Width	914 mm to 2438 mm (3' to 8')	
Header Lift	Hydraulic (master-slave system)	
Cutter Bar		
Type	Modular	
No. of Discs	8 counter-rotating, 2 co-rotating	
Knives per Disc	2	
Disc Cutting Diameter	500 mm (19.7")	
Disc Drive	Bevel gears in sealed modules	
Disc Speed	3000 RPM	
Cutting Height, Approximate	32 mm to 83 mm (1.25" to 3.25")	
Conditioner		
Type	Flail	
Drive	4HB V-belt, enclosed gears with u-joint drives to rotor.	
Rotor		
Length	2591 mm (102")	
Diameter	560 mm (22")	
Speed	1011 RPM (726 RPM optional)	

SECTION 00 - GENERAL INFORMATION - CHAPTER 1

Operating Speed	0 to 14 KPH (0 to 9 MPH)
Transport Speed	40 KPH (25 MPH) maximum
Capacity	3.06 H/hr (7.56 A/hr) @ 10 KPH (6 MPH) & 80% field efficiency.
Tire	31.5 x 13.5L x 15, 6 ply tubeless agricultural rib implement tire
Tire Pressure	207 kPa or 2.07 bar (30 PSI).
Jack	2000 lb. capacity side-wind
Tongue Shift	Hydraulic

LUBRICATION

Adequate lubrication and maintenance on a regular schedule is vital to maintaining your equipment. To ensure long service and efficient operation, follow the lubrication and maintenance schedules outlined in this manual. The use of proper fuels, oils, grease and filters, as well as keeping the systems clean, will also extend machine and component life.

IMPORTANT: Always use genuine **New Holland** replacement parts, oils and filters to ensure proper operation, filtration of engine and hydraulic systems. See your **New Holland** dealer for additional oil quantities.

RECOMMENDED LUBRICANTS AND COOLANTS

Lubricant	Location Used	Type and Description	Part Number	Quart or Liter	Gallon or Tube
Oil	Engine and Pivot Points without Grease Fittings, Chains	SAE 30 API CF-2SJ	9613286	1Qt.	
		SAE 30 API CF-2SJ	9613289		2.5 Gal.
		SAE 30 API CF-2SJ	9613366*	4 L	
		5W-30 API SG/CD	9673589DS	1 Qt.	
		5W-30 API SG/CD	9624590*	4 L	
		10W-30 API SG/CD	9613313	1 Qt.	
		10W-30 API SG/CD	9613314		2.5 Gal.
		10W-30 API SG/CD	9673508DS		5 Gal.
		10W-30 API SG/CD	9613358*	1 L	
		10W-30 API SG/CD	9613359*	4 L	
		15W-40 API CF-4	9613290	1 Qt.	
		15W-40 API CF-4	9673730DS		1 Gal.
		15W-40 API CF-4	9613303		2.5 Gal.
		15W-40 API CF-4	9613292		5 Gal.
		15W-40 API CF-4	9613350*	1 L	
		15W-40 API CF-4	9613351*	4 L	
Coolant	Engine	ESE-M97B18-D, Ethylene Glycol New Holland Spec. Coolant Concentrate	FGCC2701DS		1 Gal.
		Propylene Glycol Concentrate	FGCC2711DS		1 Gal.
Hydraulic Oil	Hydraulic System, Hydrostatic System Front Axle Oil	134D – ESN-M2C134-D New Holland Spec. Hydraulic oil	9624450		2.5 Gal.
		134D – ESN-M2C134-D	9624451		5 Gal.
		134D – ESN-M2C134-D	9613367*	4 L	
		134D – ESN-M2C134-D	9624785*	10 L	
Hydraulic Oil	Optional, Multi-Seasonal Use, Recommended for Low Temperatures	F200	86523625DS	1 Qt.	
		F200	86523626DS		5 Gal.
		F200	86509446*	20 L	
Gear Oil	Gearboxes	80W90 EP Gear Oil API GL5	9613295	1 Qt.	
		80W90 EP Gear Oil API GL5	9613294		2.5 Gal.
		80W90 EP Gear Oil API GL5	9613375*	5 L	
		85W140 EP Gear Oil API GL5	9613297	1 Qt.	
		85W140 EP Gear Oil API GL5	9613296		2.5 Gal.
		85W140 EP Gear Oil API GL5	9613376*	4 L	
Grease	All Grease Fittings	Lithium base EP high temperature	9861804DS		Tube
		Lithium base EP high temperature	9861804CDS*		Tube
Brake Fluid		Mineral Based Oil	1QM6C34A or 86541699DS	1 Qt.	

* **NOTE:** Canada Part Numbers ONLY.

MINIMUM HARDWARE TIGHTENING TORQUES

IN FOOT POUNDS (NEWTON-METERS) FOR NORMAL ASSEMBLY APPLICATIONS

INCH HARDWARE AND LOCKNUTS

NOMINAL SIZE	SAE GRADE 2		SAE GRADE 5		SAE GRADE 8		LOCKNUTS		NOMINAL SIZE
	UNPLATED or PLATED SILVER	PLATED W/ZnCr GOLD	UNPLATED or PLATED SILVER	PLATED W/ZnCr GOLD	UNPLATED or PLATED SILVER	PLATED W/ZnCr GOLD	GR.B w/GR5 BOLT	GR.C w/GR8 BOLT	
1/4	55* (6.2)	72* (8.1)	86* (9.7)	112* (13)	121* (14)	157* (18)	61* (6.9)	86* (9.8)	1/4
5/16	115* (13)	149* (17)	178* (20)	229* (26)	250* (28)	324* (37)	125* (14)	176* (20)	5/16
3/8	17 (23)	22 (30)	26 (35)	34 (46)	37 (50)	48 (65)	19 (26)	26 (35)	3/8
7/16	27 (37)	35 (47)	42 (57)	54 (73)	59 (80)	77 (104)	30 (41)	42 (57)	7/16
1/2	42 (57)	54 (73)	64 (87)	83 (113)	91 (123)	117 (159)	45 (61)	64 (88)	1/2
9/16	60 (81)	77 (104)	92 (125)	120 (163)	130 (176)	169 (229)	65 (88)	92 (125)	9/16
5/8	83 (112)	107 (145)	128 (174)	165 (224)	180 (244)	233 (316)	90 (122)	127 (172)	5/8
3/4	146 (198)	189 (256)	226 (306)	293 (397)	319 (432)	413 (560)	160 (217)	226 (306)	3/4
7/8	142 (193)	183 (248)	365 (495)	473 (641)	515 (698)	667 (904)	258 (350)	364 (494)	7/8
1	213 (289)	275 (373)	547 (742)	708 (960)	773 (1048)	1000 (1356)	386 (523)	545 (739)	1

NOTE: Torque values shown with * are inch pounds.

IDENTIFICATION CAP SCREWS AND CARRIAGE BOLTS



SAE GRADE 2



SAE GRADE 5



SAE GRADE 8



REGULAR NUTS

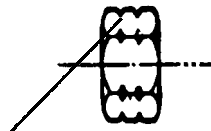


SAE GRADE 5
HEX NUTS



SAE GRADE 8
HEX NUTS

LOCKNUTS



GRADE IDENTIFICATION

GRADE A NO NOTCHES

GRADE B ONE CIRCUMFERENTIAL NOTCH

GRADE C TWO CIRCUMFERENTIAL NOTCHES



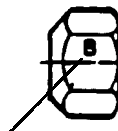
GRADE IDENTIFICATION

GRADE A NO MARKS

GRADE B THREE MARKS

GRADE C SIX MARKS

MARKS NEED NOT BE LOCATED
AT CORNERS



GRADE IDENTIFICATION

GRADE A NO MARK
GRADE B LETTER B
GRADE C LETTER C

MINIMUM HARDWARE TIGHTENING TORQUES

IN FOOT POUNDS (NEWTON-METERS) FOR NORMAL ASSEMBLY APPLICATIONS

METRIC HARDWARE AND LOCKNUTS

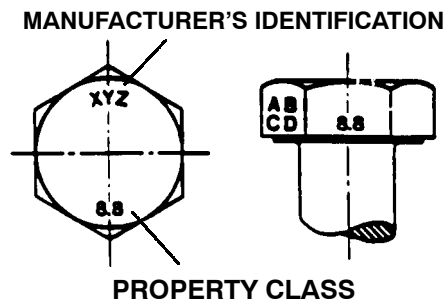
NOMINAL SIZE	CLASS 5.8		CLASS 8.8		CLASS 10.9		LOCKNUT CL.8 W/CL8.8 BOLT
	UNPLATED	PLATED W/ZnCr	UNPLATED	PLATED W/ZnCr	UNPLATED	PLATED W/ZnCr	
M4	15* (1.7)	19* (2.2)	23* (2.6)	30* (3.4)	33* (3.7)	42* (4.8)	16* (1.8)
M6	51* (5.8)	67* (7.6)	79* (8.9)	102* (12)	115* (13)	150* (17)	56* (6.3)
M8	124* (14)	159* (18)	195* (22)	248* (28)	274* (31)	354* (40)	133* (15)
M10	21 (28)	27 (36)	32 (43)	41 (56)	45 (61)	58 (79)	22 (30)
M12	36 (49)	46 (63)	55 (75)	72 (97)	79 (107)	102 (138)	39 (53)
M16	89 (121)	117 (158)	137 (186)	177 (240)	196 (266)	254 (344)	97 (131)
M20	175 (237)	226 (307)	277 (375)	358 (485)	383 (519)	495 (671)	195 (265)
M24	303 (411)	392 (531)	478 (648)	619 (839)	662 (897)	855 (1160)	338 (458)

NOTE: Torque values shown with * are inch pounds.

IDENTIFICATION

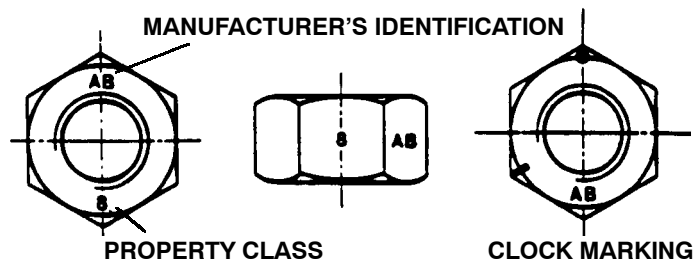
HEX CAP SCREW AND CARRIAGE BOLTS

CLASSES 5.6 AND UP



HEX NUTS AND LOCKNUTS

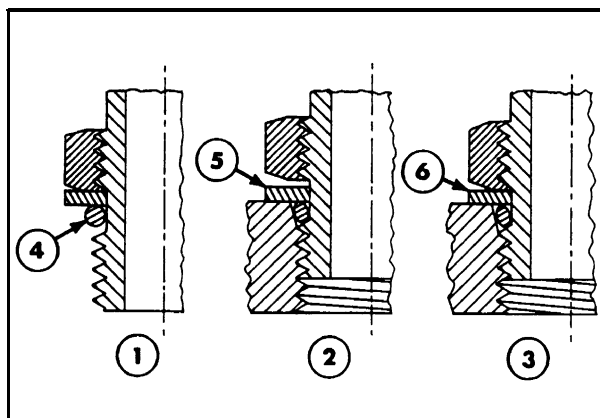
CLASSES 05 AND UP



INSTALLATION OF ADJUSTABLE FITTINGS IN STRAIGHT THREAD O RING BOSSES

1. Lubricate the O ring by coating it with a light oil or petroleum. Install the O ring in the groove adjacent to the metal backup washer which is assembled at the extreme end of the groove, 4.
2. Install the fitting into the SAE straight thread boss until the metal backup washer contacts the face of the boss, 5.

NOTE: Do not over tighten and distort the metal backup washer.



1

3. Position the fitting by turning out (counterclockwise) up to a maximum of one turn. Holding the pad of the fitting with a wrench, tighten the locknut and washer against the face of the boss, 6.

STANDARD TORQUE DATA FOR HYDRAULIC TUBES AND FITTINGS

TUBE NUTS FOR 37° FLARED FITTINGS								O RING BOSS PLUGS ADJUSTABLE FITTING LOCKNUTS, SWIVEL JIC - 37° SEATS			
TORQUE								TORQUE			
SIZE	TUBING OD		THREAD SIZE	FOOT POUNDS		NEWTON METERS		FOOT POUNDS		NEWTON METERS	
	In.	mm			Min.	Max.	Min.	Max.	Min.	Max.	Min.
4	1/4	6.4	7/16-20	9	12	12	16	6	10	8	14
5	5/16	7.9	1/2-20	12	15	16	20	10	15	14	20
6	3/8	9.5	9/16-18	21	24	29	33	15	20	20	27
8	1/2	12.7	3/4-18	35	40	47	54	25	30	34	41
10	5/8	15.9	7/8-14	53	53	72	79	35	40	47	54
12	3/4	19.1	1-1/16-12	77	82	104	111	60	70	81	95
14	7/8	22.2	1-3/16-12	90	100	122	136	70	80	95	109
16	1	25.4	1-5/16-12	110	120	149	163	80	90	108	122
20	1-1/4	31.8	1-5/8-12	140	150	190	204	95	115	129	158
24	1-1/2	38.1	1-7/8-12	160	175	217	237	120	140	163	190
32	2	50.8	2-1/2-12	225	240	305	325	250	300	339	407

These torques are not recommended for tubes of 1/2" (12.7 mm) OD and larger with wall thickness of 0.035" (0.889 mm) or less. The torque is specified for 0.035" (0.889 mm) wall tubes on each application individually.

Before installing and torquing 37° flared fittings, clean the face of the flare and threads with a clean

solvent or Loctite cleaner and apply hydraulic sealant Loctite no. 569 to the 37° flare and the threads.

Install fitting and torque to specified torque, loosen fitting and retorquing to specifications.

PIPE THREAD FITTING TORQUE

Before installing and tightening pipe fittings, clean the threads with a clean solvent or Loctite cleaner and apply sealant Loctite no. 567 for all fittings including stainless steel or no. 565 for most metal fittings. For high filtration/zero contamination systems use no. 545.

Thread Size	Torque (Maximum)
1/8" - 27	13 N·m (10 ft. lbs.)
1/4" - 18	16 N·m (12 ft. lbs.)
3/8" - 14	22 N·m (16 ft. lbs.)
1/2" - 14	41 N·m (30 ft. lbs.)
3/4" - 14	54 N·m (40 ft. lbs.)

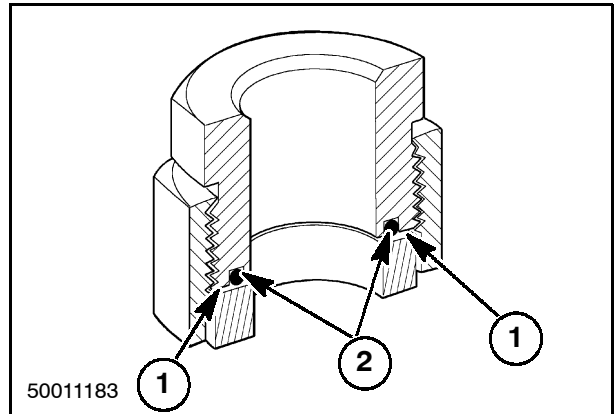
INSTALLATION OF ORFS (O-RING FLAT FACED) FITTINGS

When installing ORFS fittings thoroughly clean both flat surfaces of the fittings, 1, and lubricate the O-ring, 2, with light oil. Make sure both surfaces are aligned properly. Torque the fitting to specified torque listed throughout the repair manual.

IMPORTANT: If the fitting surfaces are not properly cleaned, the O-ring will not seal properly. If the fitting surfaces are not properly aligned, the fittings may be damaged and will not seal properly.

IMPORTANT: Always use genuine New Holland replacement oils and filters to ensure proper lubrication and filtration of engine and hydraulic system oils.

The use of proper oils, grease, and keeping the hydraulic system clean will extend machine and component life.



LABOR GUIDE

The following labor amounts are listed as a guide only. Working conditions and experience will vary the time it actually takes to complete each job.

SECTION 31 - Implement Power Take-off (PTO)

Job Description	Hours
Auto-Lok Slide Lock, Rbld	0.25
U-joints, replace cross;	
Standard	0.3
50° CV	0.7
80° CV	0.75
Guards, R & R	0.25
Burnishing Clutch	0.33
Slip Clutch, R & R	0.50
Slip Clutch, Rbld	0.75
Center Pivoting Gearbox	
Gearbox, R & R	1.50
Gearbox, Rbld	2.25
Guidance Link, R & R and Shim	0.50
Right Hand Gearbox	
Gearbox, R & R (Includes removing and replacing conditioner drive belt)	1.75
Gearbox Rebuild	3.00
Conditioner Drive belt, R & R	0.50
Conditioner Drive Gearbox	
Gearbox, R & R (Includes removing and replacing the conditioner roll drive shafts)	2.00
Gearbox, Rbld	2.00

SECTION 35 - Hydraulic System

Job Description	Hours
Swing Cylinder, R & R	0.50
Rbld	0.75
Master Cylinder, R & R	0.
Rbld	0.50
Slave Cylinder, R & R	0.
Rbld	0.50
Tilt Cylinder, R & R	0.3
Rbld	0.50

SECTION 39 - Frames/Tongue and Hitches

Job Description	Hours
Hood Liner R & R (both sides)	1.0
Hood R & R	1.5

SECTION 58 - Cutter Bar

Job Description	Hours
Failure Diagnosis	0.50
Top Cap, R & R	0.50
Cutter Bar Drive Shaft, R & R	0.33
Cutter Bar Drive Shaft, Rbld 1 U-joint	0.33
Cutter Bar Assembly, R & R	1.25
Disc Module, R & R	0.75
Disc Module, Rbld	1.00
Lower conditioner roll, R&R	2.00
Lower drive shaft R&R (includes retiming rolls)	0.50
Replace 1 universal joint	0.25
Upper drive shaft R&R	0.30
Replace 1 universal joint	0.25
Upper conditioner roll (lower roll R&R not included)	2.50
Conditioner belt R&R	0.30
Left side torsion bar R&R	0.75
Left side tension arm R&R (includes left torsion bar R&R)	1.25
Right side torsion bar R&R (includes left torsion bar R&R)	2.00
Right side tension arm R&R (includes right torsion bar R&R)	2.50
Conditioner Belt R & R (with adjustment)	0.50
Flai I R & R (each group of six, w/shaft)	0.50
Rotor R & R (without repairs to rotor)	2.0

SECTION 31 - IMPLEMENT POWER TAKE OFF (PTO)

Chapter 1 - Drive Lines (Standard Tongue)

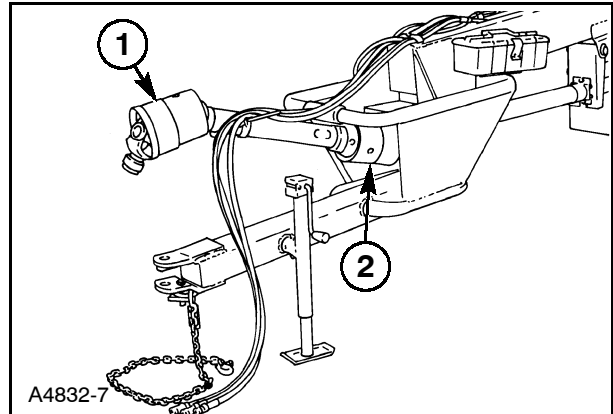
CONTENTS

Section	Description	Page
	Standard Tongue	31-2
	Introduction	31-2
	Auto-lok Slide Lock	31-4
	Auto-lok Slide Lock - Disassembly	31-4
	Drive Shaft Removal and Installation	31-6
	Tongue Jackshaft - Disassembly	31-16
	Tongue Jackshaft - Assembly	31-18

1431/1432 STANDARD TONGUE

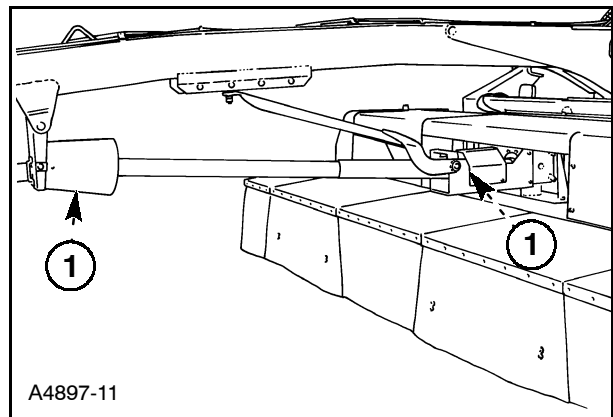
INTRODUCTION

The 1431/1432 disc mower-conditioners utilize constant velocity U-joint drivelines for smooth operation, and to provide the ability to swing the tongue during PTO operation. The primary PTO shaft is equipped with an 80° CV U-joint, 1, at the tractor end, and a 50° CV U-joint, 2, at the mower end of the shaft. The primary PTO shaft attaches to the front of the tongue jackshaft; the tongue jackshaft then transfers power back to a point midway along the tongue.



1

The secondary PTO shaft attaches to the rear of the tongue jackshaft and uses conventional U-joints, 1, at both ends of the shaft. The 1431 and 1432 are available as a 1000 RPM PTO units only.

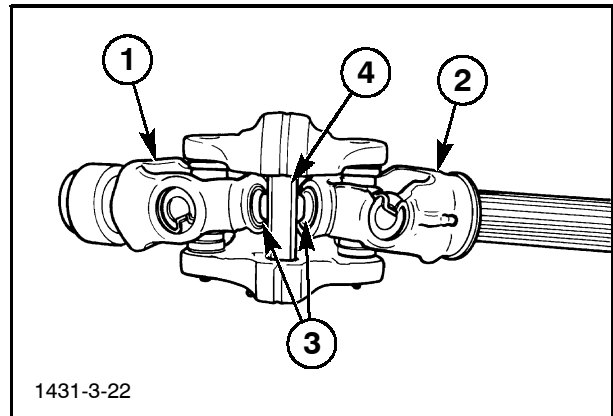


2

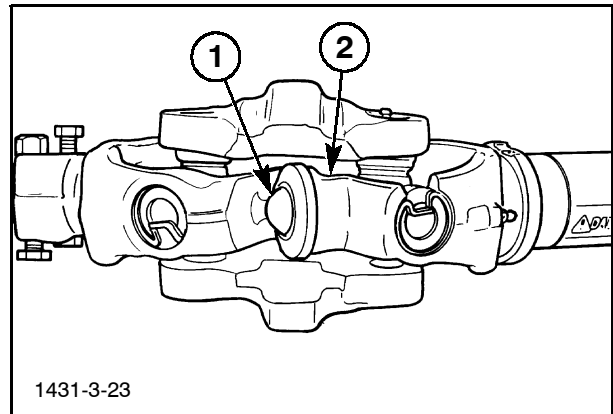
A CV joint consists of a double U-joint assembly, with both the front, 1, and rear, 2, yokes connected together with a mechanical connection; this ensures that both the front U-joint and the rear U-joint in the assembly are operating at the same angles. By operating at equal angles, the CV joint provides a constant velocity output (hence the name, CV joint) at all operating angles, and eliminates the vibration that can result when turning sharp in the field.

The CV joint degree rating indicates the maximum allowable operating angle of the CV U-joint; operation at angles exceeding that value will result in CV joint failure. The 80° CV joint consists of a front and rear joint, which have a spherical ball joint, 3, in the strap of the yokes. The center housing of the joint assembly contains a floating intermediate plate, 4, with a pin protruding from the center of each side. With the CV joint assembled, the spherical ball joint, 3, on the yokes fit over the pin on the intermediate plate, 4. As one yoke moves, it shifts the intermediate plate, and the opposite yoke as well, to maintain the same operating angles of both U-joints. The maximum operating angle occurs when the intermediate plate pin contacts the edge of the center housing opening.

The 50° CV joint differs in that there is no intermediate plate; the one yoke has a ball, 1, on the strap of the yoke, while the opposing yoke has a socket, 2; when the joint is assembled, the ball on the one yoke is engaged in the socket of the other; in this way, the two joints are connected, and one yoke moves the other to maintain equal angles. While the 50° CV joint has fewer parts to wear, the maximum operating angle is less, as the yokes will contact the center housing sooner.



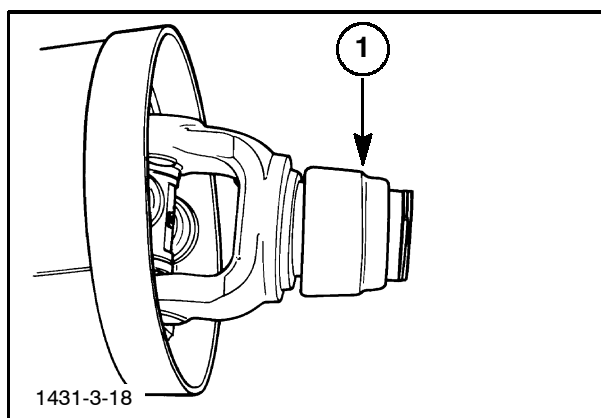
3



4

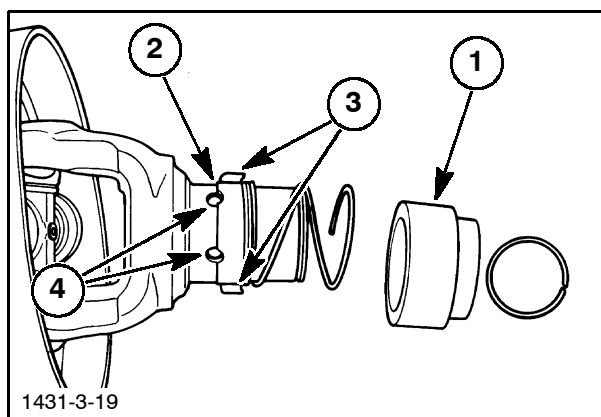
AUTO-LOK SLIDE LOCK

The 1431 and 1432 are equipped with an Auto-Lok slide lock, 1, which automatically latches in the rearward position when pulled back. The primary PTO shaft may then be held with both hands to guide it onto the tractor shaft; as the yoke slides onto the tractor shaft, the slide lock collar springs forward to latch the PTO shaft to the tractor shaft.



5

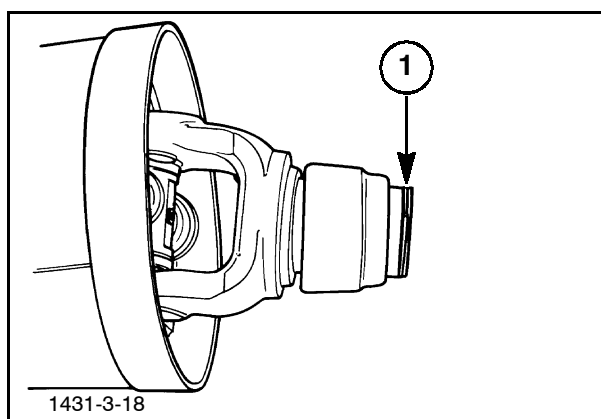
The Auto-Lok slide lock works as follows; as the collar is slid rearward, it tends to twist or cock slightly sideways, allowing a shoulder in the collar, 1, to catch on a ridge on the yoke, 2. As the yoke is slid onto the tractor shaft, and the pawls, 3, line up with the groove on the tractor shaft, four balls, 4, in the yoke are pushed outward by the end of the shaft. These four balls center the collar, causing the shoulder to disengage from the ridge, and the collar springs forward to lock the pawls in the tractor PTO shaft groove.



6

AUTO-LOK SLIDE LOCK - DISASSEMBLY

1. Pull the slide lock collar rearward until it latches in place. Use a screwdriver or spring pick to remove the retaining ring, 1, from the end of the yoke.

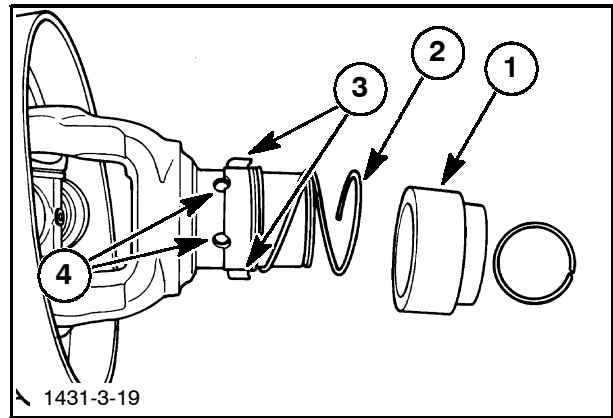


7

2. Slide the collar, 1, off the yoke, and remove the spring, 2, from the yoke barrel.

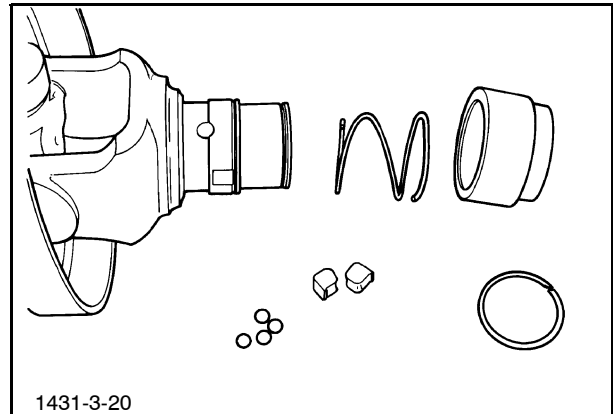
NOTE: The spring is an interference fit, and will have to be worked off the yoke barrel.

3. Remove the pawls, 3, by reaching into the yoke bore and pushing the pawls outwards, so that they can be grabbed and removed. Remove the four centering balls, 4, from the yoke using the same process.



8

4. Thoroughly clean all slide lock components. Clean the yoke bore and pawl holes. Replace the yoke if damage or excessive wear is found.



9

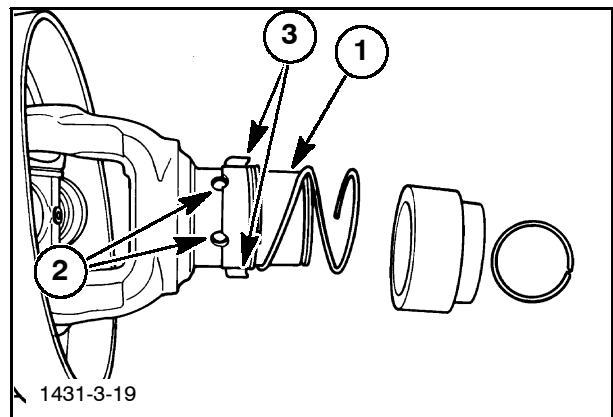
AUTO-LOK Slide Lock - Assembly

1. Coat the outer surface of the yoke barrel, 1, with grease; push grease into the centering ball bores and the pawl holes in the yoke. Apply grease to the four centering balls, 2, and insert them into their bores; the grease will hold them in place.

Apply grease to the sides of the pawls, 3, and insert them into the square holes, positioning them so that the lip of the pawl faces into the groove in the yoke barrel. The pawls must slide freely up and down, and must be flush with the top of the yoke barrel.

2. Push a new spring over the yoke barrel up to the shoulder.

NOTE: One end of the spring has a smaller diameter than the other. Be sure the small diameter of spring is up against the shoulder on the yoke barrel.



10

**Thanks very much for your reading,
Want to get more information,
Please click here, Then get the complete
manual**

JustClickHere 

NOTE:

**If there is no response to click on the link above,
please download the PDF document first, and then
click on it.**

**Have any questions please write to me:
admin@servicemanualperfect.com**