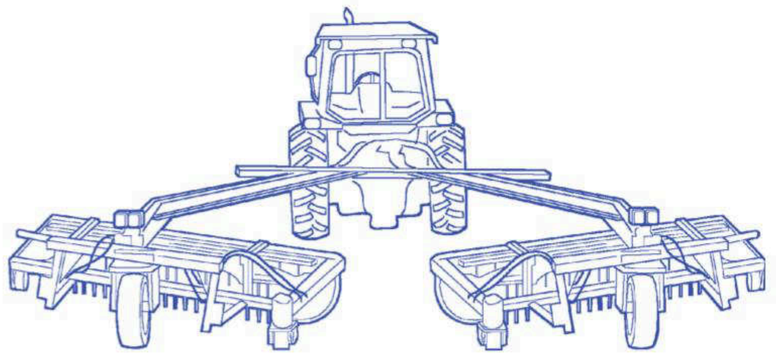


NEW HOLLAND

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216

MANUAL

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SERVICE

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SECTION 00 - GENERAL INFORMATION

Chapter 1 - General Information

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SECTION 00 - GENERAL INFORMATION

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Chapter 1 - Hydraulic Systems

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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	Type and Description	Part Number	Container Size
Engine Oil	AMBRA SUPER GOLD SSL ENGINE OIL SAE 10W-40	86994335	2.5G / 9.46L
	AMBRA SUPER GOLD HSP ENGINE OIL SAE 10W	86641060	5G / 18.93L
	AMBRA SUPER GOLD HSP ENGINE OIL SAE 10W-30	9613313	1QT / .946L
		86641052	1G / 3.785L
		9613314	2.5G / 9.46L
		9673508DS	5G / 18.93L
	AMBRA SUPER GOLD HSP ENGINE OIL SAE 30	9613286	1QT / .946L
		86641043	1G / 3.785L
		9613289	2.5G / 9.46L
		86641044	5G / 18.93L
	AMBRA SUPER GOLD HSP ENGINE OIL SAE 40	9624812DS	55G / 208.2L
	AMBRA SUPER GOLD HSP ENGINE OIL SAE 15W-40	86641081	1QT / .946L
		86641082	1G / 3.785L
		86641084	2.5G / 9.46L
		86641083	5G / 18.93L
	AMBRA SUPER GOLD HSP ENGINE OIL SAE 20W-50	86994337	5G / 18.93L
	AMBRA AUTO SUPREME SAE 5W-30	9673589DS	1QT / .946L
	AMBRA AUTO SUPREME SAE 10W-30	86641101	1QT / .946L
Transmission Oil	AMBRA MULTI TRAN	86639558	1G / 3.785L
		86639559	2.5G / 9.46L
		86639560	5G / 18.93L
	AMBRA MULTI TRAN SSL	86994339	2.5G / 9.46L
	AMBRA MULTI BIO S	86994341	2.5G / 9.46L
Hydraulic Oil	AMBRA MULTI G 134	9624655DS	1QT / .946L
		9624656DS	1G / 3.785L
		9624450	2.5G / 9.46L
		9624451	5G / 18.93L
	AMBRA HYDROSYSTEM 46 HYD FLUID	86109085	5G / 18.93L
	AMBRA HYDROSYSTEM 68 HYD FLUID	86994331	5G / 18.93L
	AMBRA HYDROSYSTEM 100 HYD FLUID	86994343	5G / 18.93L
ATF Oil	AMBRA HYDRODEX 3 ATF	9613304	1QT / .946L
		9613312	2.5G / 9.46L
Gear Oil	AMBRA HYPOIDE 90 GEAR LUBE	9613295	1QT / .946L
		9613294	2.5G / 9.46L
		86994348	16G / 60.6L
	AMBRA HYPOIDE 140 GEAR LUBE	87027134*	1QT / .946L
		87027135	2.5G / 9.46L
		86994351	16G / 60.6L
	AMBRA TRANSAXLE FLUID	86994352	5G / 18.93L
	AMBRA HYPOIDE SSL GEAR LUBE	86994354	1QT / .946L
Grease	AMBRA GR-9 MULTI-PURPOSE GREASE	9613310	TUBE - 14 OZ.
	AMBRA HI-TEMP GREASE	9861804DS	TUBE - 14 OZ.
	AMBRA CORN HEAD GREASE	94107DS	TUBE - 14 OZ.
	AMBRA GR 75 MD GREASE	87400001	TUBE - 14 OZ.
	AMBRA GR 1000 SYNTHETIC GREASE	86994355	TUBE - 14 OZ.
	LIMITED SLIP ADDITIVE	B96606	
Brake Fluid	BRAKE LHM FLUID (Mineral Based Oil)	86541699DS	1QT / .946L
Coolant	ESE-M97B18-D, Ethylene Glycol Coolant Concentrate	FGCC2701DS	1G / 3.785L
	Propylene Glycol Concentrate	FGCC2711DS	1G / 3.785L

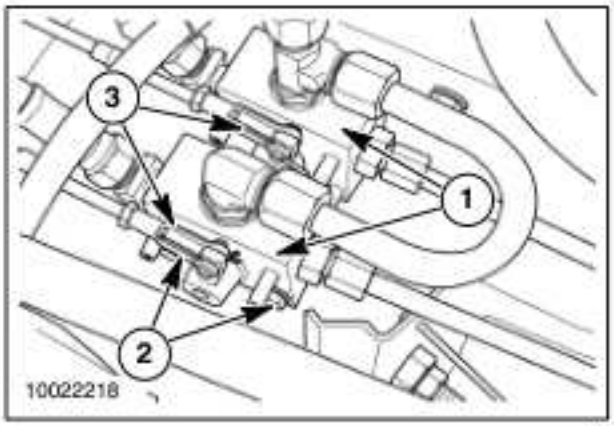
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Assembly

1. Install new O rings and install the rotary spool and snap rings. Use seal kit part number 86595326.

Installation

1. Install the rotary diverter valve assemblies, 1, by installing the 1/4" x 5" G5 cap screws, lock washers, and nuts at 2.
2. Install the clevises, 3, with 1/8" x 1" cotter pins on the rotary spool handles.
3. Install the hydraulic hoses according to the labels applied during removal, or refer to the Hydraulic Diagrams at the end of this section.

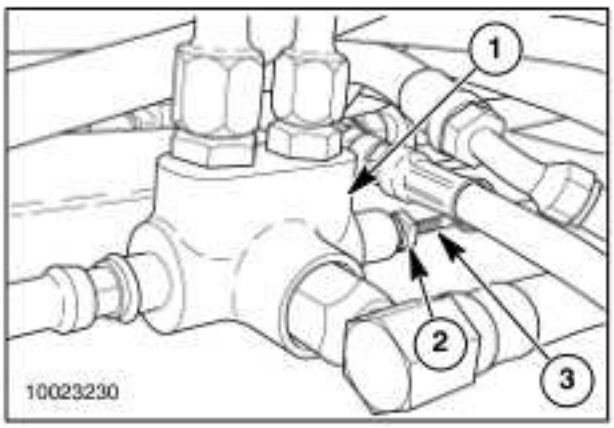


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VALVE SELECTOR

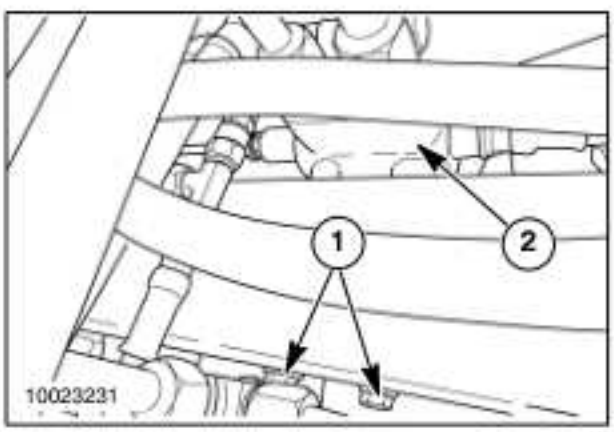
Removal

1. Label and remove the hydraulic hoses from the valve selector assembly, 1, and cap all hydraulic fittings.
2. Remove the nut, 2, and remove the cable, 3, from the valve selector spool.



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3. Remove the 5/16" x 4" cap screws and lock washers, 1, to detach the valve selector assembly, 2, from the frame.



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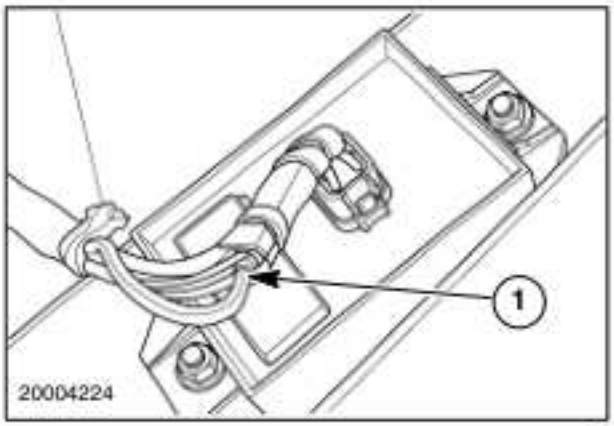
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If you have one of these tractors, the brake light circuit can be disabled by disconnecting the bullet connector, 1, located in the wire harness where it attaches to the lighting control box.

⚠ CAUTION ⚠

When you later reattach the machine to a standard electrical socket on propelling vehicle, the brake light circuit must be reconnected to function properly.

IMPORTANT: *If this machine is to be transported on the highway, the propelling vehicle must be equipped with the appropriate electrical socket so that the brake lights function.*

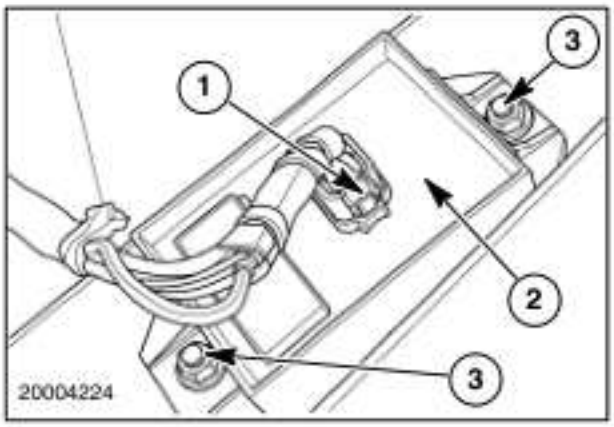


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LIGHTING CONTROL BOX

Removal

1. Unplug the electrical connector, 1, from the control box, 2.
2. Remove the two cap screws, and locknuts, 3, that attach the control box to the frame.



6

Inspection

Inspect and test the control box. Replace the box if it is damaged or defective.

Installation

1. Install the control box, 2, with two 1/4" x 3/4" G5 cap screws, and locknuts, 3.
2. Reconnect the electrical connector, 1.

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