NEW HOLLAND



TC23DA
TC26DA
Tractor

REPAIR MANUAL

NEW HOLLAND AGRICULTURE

SERVICE

87367140

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TC23DA, TC26DA
REPAIR MANUAL
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The following pages are the collation of the contents pages from each section and chapter of the TC23DA, TC26DA Repair manual. Complete Repair part # 87367140.

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. Each book will be labeled as to which sections are in the overall Repair manual and which sections are in each book.

The sections listed above are the sections utilized for the TC23DA, TC26DA Tractors.

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SECTION 00 - GENERAL INFORMATION

BOOK 1 - 87367141

Chapter 1 - General Information

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SECTION 10 - ENGINE

BOOK 1 - 87367141

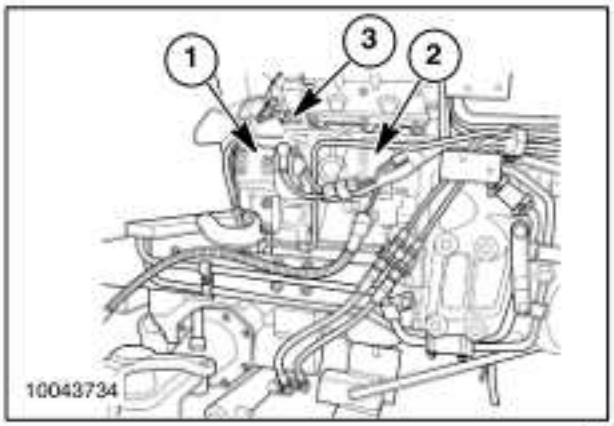
Chapter 1 - Engine Systems

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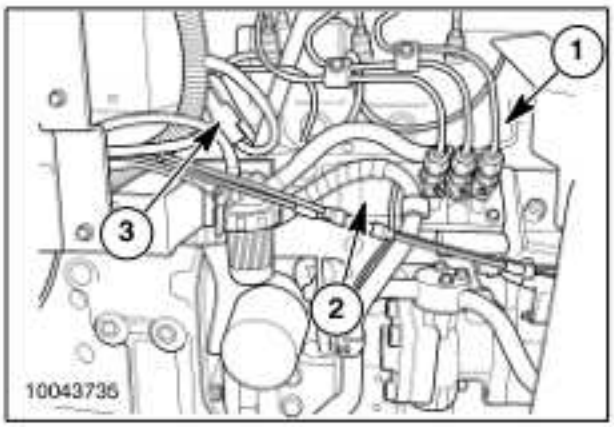
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19. Disconnect the wiring harness from the alternator, 1, starter, 2, temperature sending unit, 3.



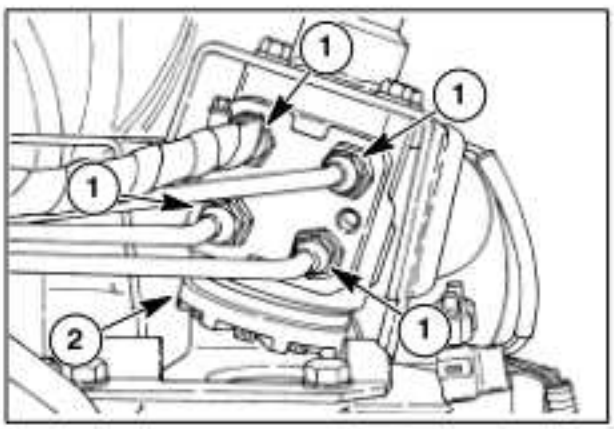
19

20. Disconnect the wiring harness from the engine oil pressure switch, 1, engine stop solenoid, 2 and disconnect the connector for the glow plug, 3. Remove the front wiring harness from the firewall.



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21. Remove the power steering oil pipes, 1, from the power steering control valve, 2.



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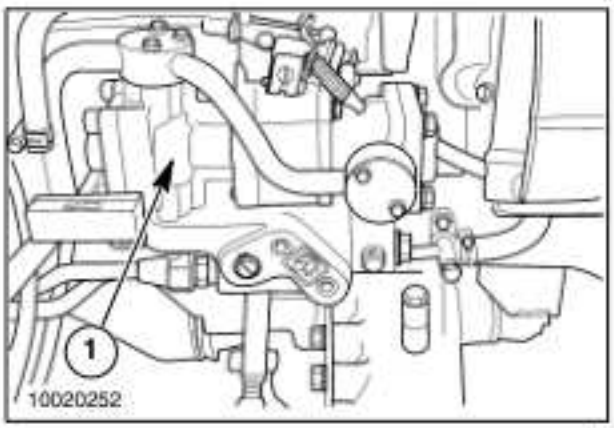
DESCRIPTION AND OPERATION - HYDRAULIC PUMP

Op. 35 304

HYDRAULIC PUMP AND FILTER

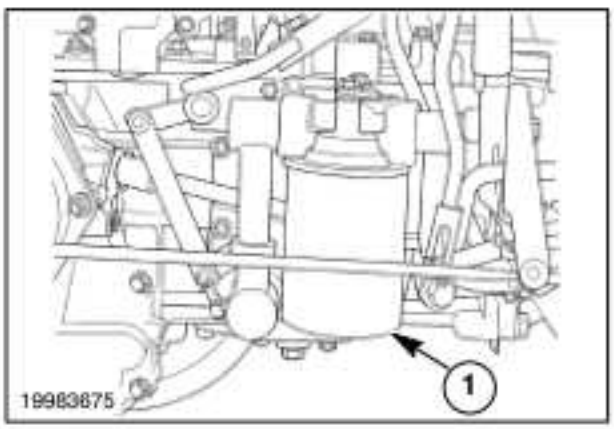
The hydraulic pump, 1, is mounted on the right side of the engine and is driven by the engine oil pump gear mounted on the front of the engine block.

The Models TC23DA and TC26DA tractor has a 18.4 L/min (4.9 gpm) capacity pump. This capacity is determined with pump speed at 2600 rpm. The hydraulic pump is a gear-type pump. Service to the hydraulic pump is limited to replacement of the pump seals and internal O rings only. If any other component of the pump fails, the pump should be replaced.



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A suction-type filter, 1, is located in the inlet line on the right-hand side of the rear axle center housing. The filter is serviced by replacing the complete canister assembly. Replace the filter after every 300 hours of use.



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TROUBLESHOOTING GLOW PLUG CIRCUIT (ALL TRACTORS)		
CONDITION	**POSSIBLE CAUSE**	**REMEDY**
Inoperative glow plugs	Blown 40-amp slow blow fuse	Inspect and replace main fuse as necessary
	Malfunctioning key switch	Inspect key switch and replace as necessary
	Poor glow plug buss bar connection	Check and repair connection as necessary
	Malfunctioning glow plugs	Test glow plugs and replace as necessary
Blown 40-amp slow blow fuse	Glow plugs shorting directly to ground	Test glow plugs and replace as necessary
Inoperative glow plug indicator light	Faulty indicator light bulb	Replace indicator light bulb
	Blown 15-amp fuse	Check fuse and replace as necessary
	Defective safety controller	Test safety controller and replace if necessary
	Open wiring in glow plug indicator light circuit	Check for loose connectors, grounds and wiring damage
	Blown 5-amp fuse	Check fuse and replace as necessary

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Section 31 - Power Take-Off (PTO)
Section 33 - Brakes
Section 35 - Hydraulic System
Section 41 - Steering
Section 44 - Wheels and Tires

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Section 21 - Transmission
Section 25 - FWD Front Axle
Section 27 - Differential, Rear Axle
Section 29 - Hydrostatic Transmission

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