NEW HOLLAND
MC22
MC28
MC35
Commercial Mowers

SERVICE
MANUAL



87557971

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MC22, MX28, MC35
REPAIR MANUAL
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The following pages are the collation of the contents pages from each section and chapter of the MC22, MC28, and MC35 Repair manual. Complete Repair part # 87557971.

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 MC22, MC28, and MC35 Tractors.

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SECTION 00 - GENERAL INFORMATION

BOOK 1 - 87557972

Chapter 1 - General Information

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SECTION 10 - ENGINE AND FUEL SYSTEMS

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Chapter 1 - Engine Systems

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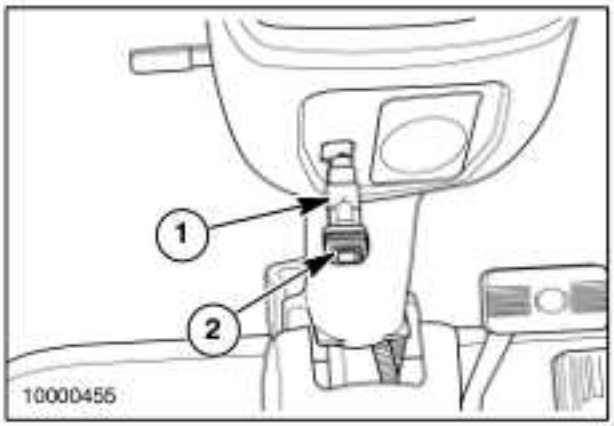
CAMSHAFT SPECIFICATIONS

Tractor Model	MC22	MC28	MC35
Engine Model	S773	J843	N843L
Camshaft Lobe Height - Valve			
Standard	26.565 - 26.620 mm (1.045 - 1.048 in.)	34.453 - 34.508 mm (1.3564 - 1.3586 in.)	34.433 - 34.508 mm (1.3554 - 1.3586 in.)
Emissionized engine		34.453 - 34.510 mm (1.3564 - 1.378 in.)	
Minimum	26.2 mm (1.031 in.)	34.1 mm (1.3425 in.)	34.1 mm (1.3425 in.)
Camshaft Lobe Height - Fuel			
Standard	33.94 - 34.06 mm (1.335 - 1.341 in.)	42.94 - 43.06 mm (1.6905 - 1.6953 in.)	42.94 - 43.06 mm (1.6905 - 1.6953 in.)
Minimum	33.8 mm (1.33 in.)	42.8 mm (1.6850 in.)	42.8 mm (1.6850 in.)
Camshaft Runout			
Standard	0.03 mm (0.001 in.)	0.03 mm (0.001 in.)	0.03 mm (0.001 in.)
Maximum	0.1 mm (0.004 in.)	0.1 mm (0.004 in.)	0.1 mm (0.004 in.)

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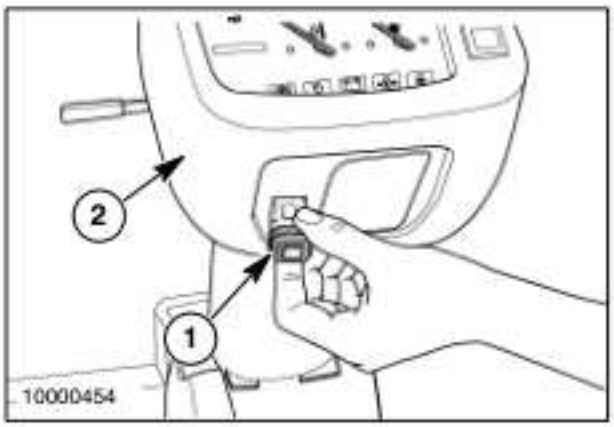
Installation

1. Connect the wiring harness electrical connector, 1, to the light switch, 2.



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2. Push the light switch, 1, into the steering column, 2.
3. Connect the negative (-) battery cable to the battery.



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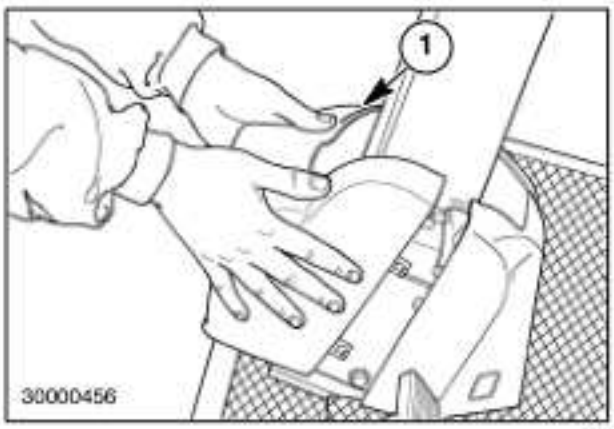
HEADLIGHT

Description

The headlight is located on the front of the tractor steering column and illuminates the area in front of the tractor for increased visibility in low light situations. The headlight assembly contains a bulb that may be replaced if the bulb burns out.

Removal

1. Disconnect the negative (-) battery cable from the battery.
2. Grasp the lower steering column/headlight cover, 1, and pull the cover from the steering column.



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Engine Glow Plug Circuit - Troubleshooting

CONDITION	POSSIBLE CAUSE	REMEDY
Engine glow plugs will not heat	Insufficient battery charge	Test battery. Charge, add water, or replace as necessary
	Blown fusible link	Inspect fusible link and replace as necessary
	Defective key switch	Test key switch and replace as necessary
	Corroded electrode bus bar connection	Remove bus bar, clean bar and glow plug electrodes
	Defective glow plug(s)	Test glow plug(s) and replace as necessary
Glow plug indicator light will not illuminate while key switch is in "HEAT" or "START" position	Insufficient battery charge	Test battery. Charge, add water, or replace as necessary
	Blown fusible link	Inspect fusible link and replace as necessary
	Defective key switch	Test key switch and replace as necessary
	Faulty glow plug indicator bulb	Check glow plug indicator light and replace as necessary
	Defective glow plug indicator light timer	Test timer and replace as necessary
	Glow plug indicator light circuit open	Check circuit connections, grounds, and wires
Glow plug indicator light remains illuminated after 5 seconds when keys switch is in "HEAT" position	Defective glow plug indicator light timer	Test timer and replace as necessary
	Short circuit between the glow plug indicator light and terminal "C" of the glow plug indicator light timer.	Check wiring between the instrument panel and timer

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Section 00 - General Information
Section 10 - Engine and Fuel Systems

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