NEW HOLLAND G6030 G6035 Mowers

SERVICE MANUAL



84203602

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G6030, G6035
SERVICE MANUAL
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The following pages are the collation of the contents pages from each section and chapter of the G6030, G6035 Service manual. Complete Service part # 84203602.

The sections used through out all New Holland product Service manuals may not be used for each product. Each Service manual will be made up of one or several books. Each book will be labeled as to which sections are in the overall Service manual and which sections are in each book.

The sections listed above are the sections utilized for the G6030, G6035 Service manual.

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SECTION 00 - GENERAL INFORMATION

BOOK 1 - 84203603

Chapter 1 - General Information

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SECTION 10 - ENGINE AND FUEL SYSTEMS

BOOK 1 - 84203603

Chapter 1 - Engine Systems

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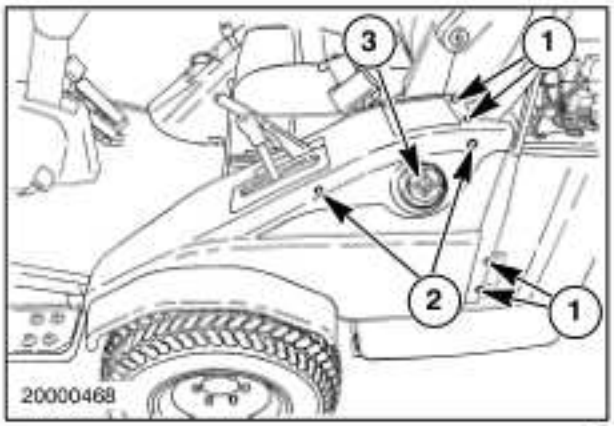
SPECIFICATIONS

Mower Model	G6030	G6035
Engine Model	N843	N843L
Type of System	Pressurized liquid with recirculating bypass	
Water Pump Type	Centrifugal, V-belt driven	
Drive Belt Deflection (tension)	10 – 15 mm (0.4 – 0.6 in) when applying 9 – 11 kg (20 – 25 lb) between pulleys	
Cooling Fan Diameter	360 mm (14.2 in)	
Thermostat Opening Temperature Fully Open Temperature	80° – 84°C (176° – 183°F) 93°C (199°F)	80° – 84°C (176° – 183°F) 93°C (199°F)
Radiator Cap Pressure Rating	0.9 bar (13 psi)	
Coolant Type	50/50 Mixture of ethylene glycol and water	
Cooling System Capacity	5.1 L (5.3 US qt)	5.3 L (5.6 US qt)

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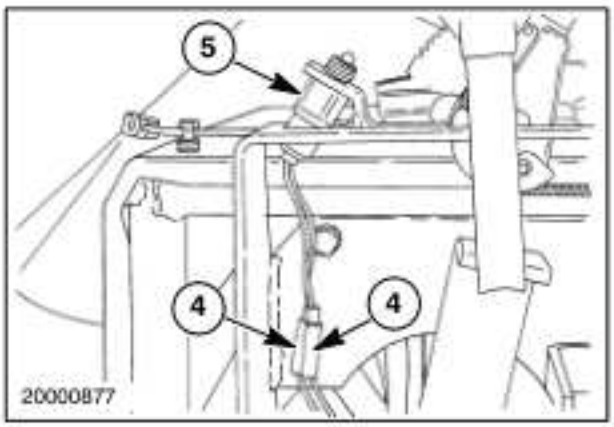
NOTE: *Only four of the seven bolts are shown in the illustration.*

3. Remove the seven bolts, 1, retaining the left fender/side cover assembly to the mower. Do not remove the two bolts, 2, securing the fender to the side cover.
4. Remove the fuel cap, 3, and lift the fender/side cover assembly off of the mower. Reinstall the fuel cap after the fender/side cover assembly has been removed.



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5. Disconnect the safety switch leads, 4, from the main wiring harness.
6. Remove the safety switch, 5, from the mower.



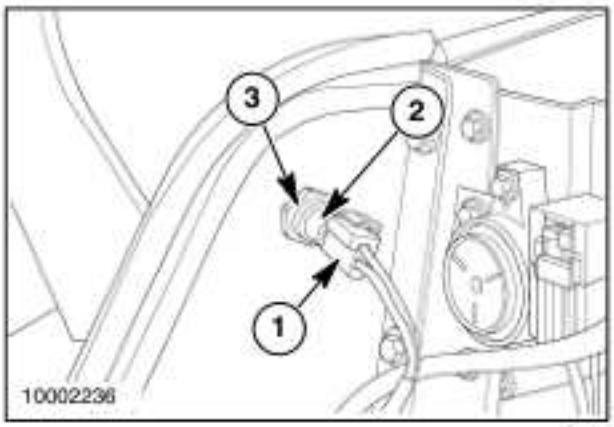
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Auxiliary Power Outlet Testing

NOTE: *If the auxiliary power outlet is suspected of being defective, check the 20-amp fuse that protects the power outlet circuit before proceeding with testing.*

1. Disconnect the wiring harness connector, 1, from the auxiliary power outlet, 2.
2. Remove the retaining nut, 3, which secures the power outlet to the mower firewall. Remove the power outlet from the firewall.

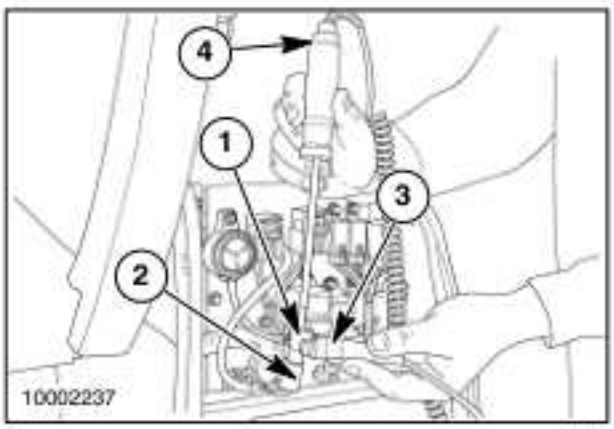


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3. Reconnect the wiring harness connector, 2, to the auxiliary power outlet, 1. Turn the key switch to the "ACC/RUN" position.

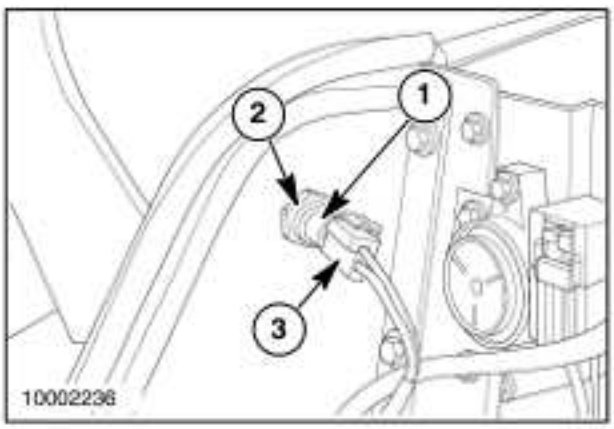
⚠ CAUTION ⚠

When touching the center terminal inside the power outlet, do not simultaneously touch the light probe to the side terminal inside the power outlet, otherwise the outlet will be short-circuited.



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4. Use a test light to test the power outlet by touching the test light ground lead, 3, to the body of the power outlet, 1, and touching the light probe, 4, to the center terminal inside the power outlet. If the test light does not illuminate, the auxiliary power outlet is defective and needs replaced.
5. Turn the key switch to the "OFF" position and disconnect the wiring harness connector from the power outlet.
6. Install the auxiliary power outlet, 1, into the mower firewall and secure the outlet with the retaining nut, 2.
7. Connect the wiring harness connector, 3, to the power outlet, 1.



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