



RIDE-ON LAWNMOWER



OWNER'S MANUAL

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SUPPLEMENT FOR 'M' SERIES

IMPORTANT: Keep these instructions and the engine booklet in a safe place for future reference. They contain important information about your mower.

Part N°: 554398



For the **STARJET AJ102/AJ102 4x4/AJ110/AG122** riding mowers the user's manual is supplemented and amended in these chapters as follows:

1.2 MAIN PARTS OF THE RIDING MOWER

The **AJ110 Panther** riding mower consists of the following basic sections:



(1) Frame with a bumper

The frame with the bumper serve as a bearing element for most of the main parts of the machine.

(2) Front axle with wheels including steering

The front axle enables the wheels to turn. An adjustable steering wheel is used for steering.

(3) Mower deck

The mower deck of the AJ110 Panther mower mulches grass without collecting it. It consists of a cover, a belt gear and six mowing blades mounted in pairs on three rotary shafts.

(4) Gear box including rear-wheel drive

The gear box with hydrostatic power transmission serves to change gears while driving.

(5) Fuel tank cap

It is used for pouring fuel into the tank and is located in the mudguard of the machine.

(6) Service box with an external 12V power socket

Serves as storage space and for connecting an external device to the power socket.

(7) Transport box

The box has a volume of approx. 70 litres and is used for storing personal or work items when working with the machine. The maximum load for the transport box is 20 kg.

(8) Driver's location

Comfortable and adjustable seat with arm rests provides easy access to all control elements on the machine. The battery is located in a box under the seat.










(9) Body and motor including electrical installation

The body is a combination of plastic and metal covers which appropriately cover the electrical and mechanical components of the machine. The four-stroke petrol motor is located under the hood and is firmly attached to the frame.



1.2

1.4 TECHNICAL PARAMETERS

| BASIC PARAMETERS | | UNITS | RIDING MOWER MODEL |
|---|--|--------|---------------------------|
| | | | AJ110 Panther |
|  | Dimensions of the machine (length x width x height) | [mm] | 1150 x 1310 x 2100 |
|  | Weight of the machine | [kg] | 337 |
|  | Speed forward / reverse | [km/h] | 8.3 / 6.9 |
|  | Mowing height | [mm] | 35 - 90 |
|  | Mowing width | [mm] | 110 |
|  | Volume of the grass catcher | [l] | Without the grass catcher |
|  | Wheel dimensions | Front | 16 x 6.50-8 |
| | | Rear | 20 x 10-8 |
|  | Fuel tank capacity | [l] | 15 |
|  | Type of battery | --- | 12V 32 Ah |

3.1 UNPACKING AND INSPECTING THE CONTENTS

The basic package includes:

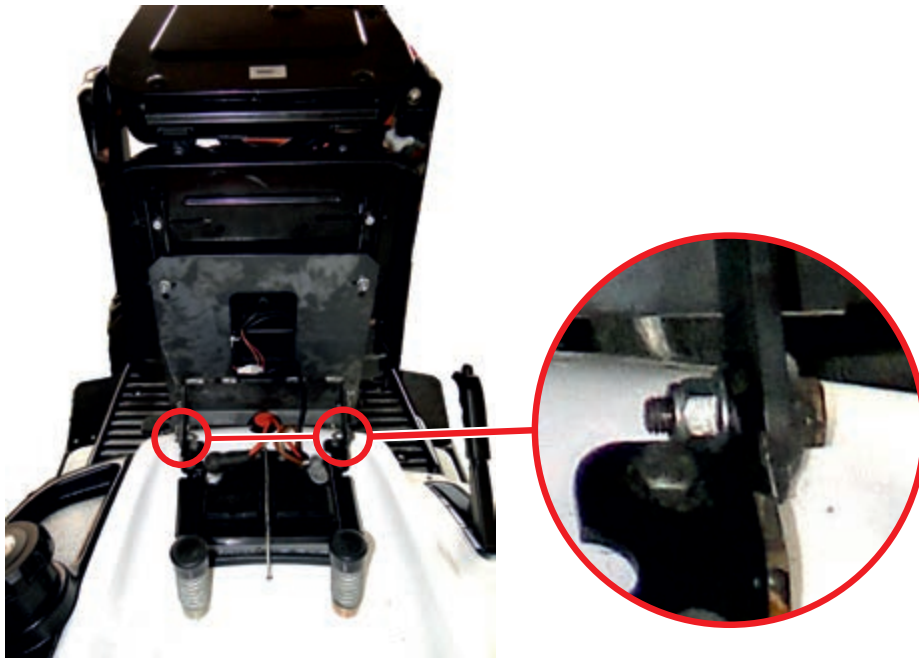
- ▶ Grass catcher (3) (is partially disassembled in a cardboard box, with the hook, joining material and two yellow triangular stickers) (📖 3.3.2) – **not included with the AJ110 and AJ110 Panther!**

3.3 ASSEMBLY OF THE SEPARATELY PACKED ASSEMBLIES

3.3.1 STEERING WHEEL, SEAT AND BATTERY

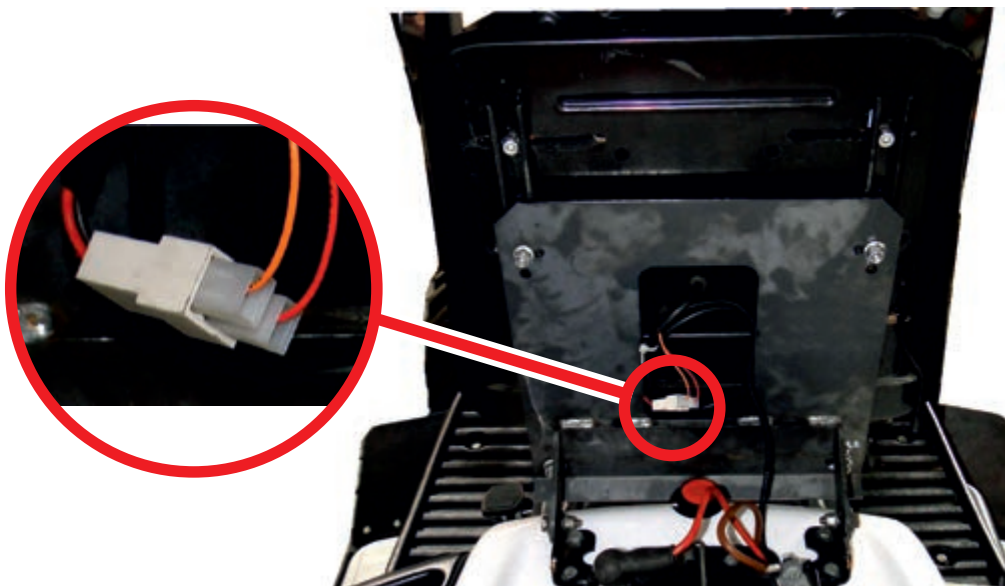
a) **Attach the seat:**

- ▶ Place the seat in its place on the machine and secure it using two bolts and nuts to the bracket on the machine. After tightening the bolts, set the appropriate position of the seat using two bolts on the side of the seat.



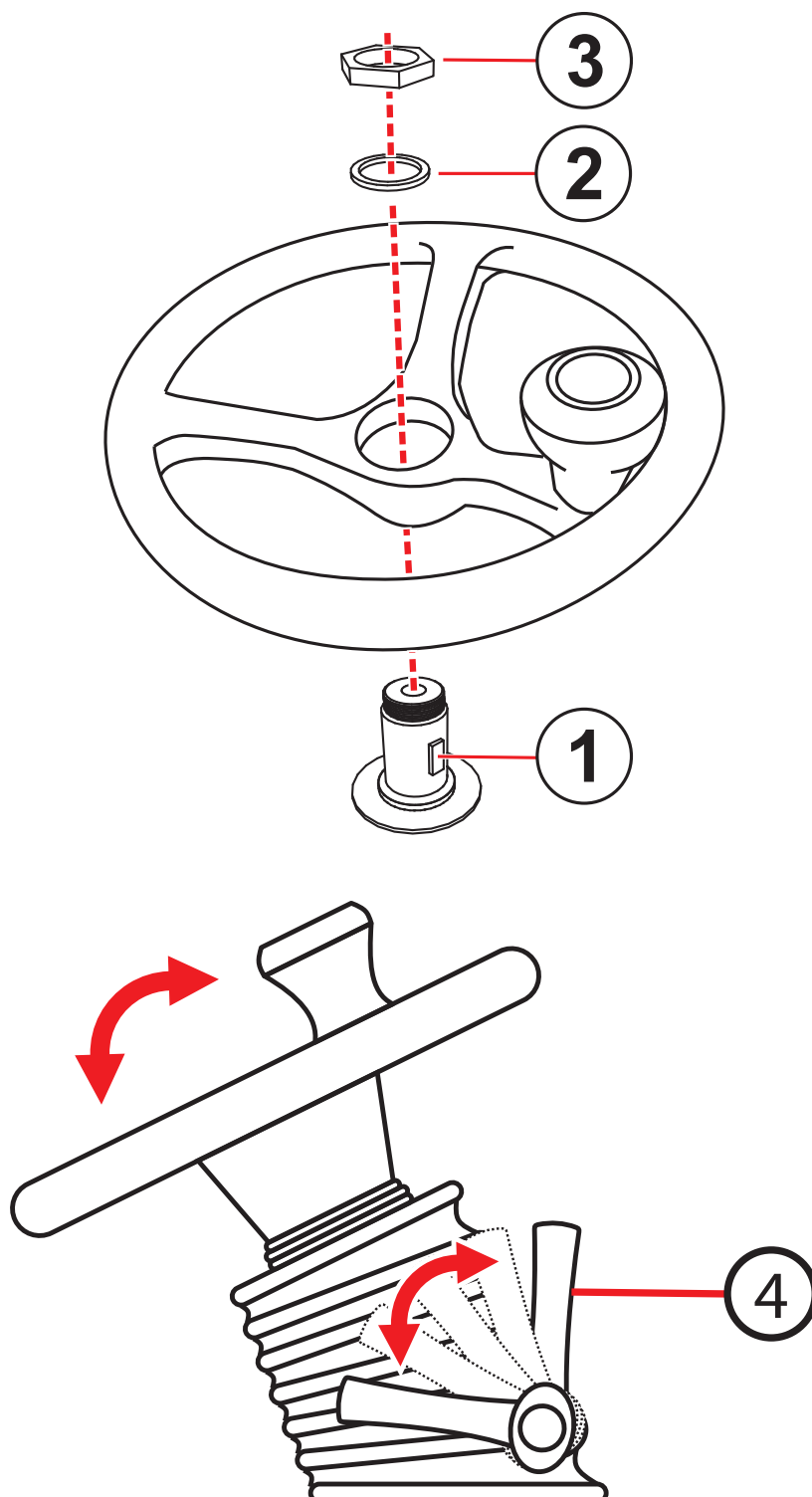
b) **Connect the cable of the safety switch:**

- ▶ Connect the electric cable to the switch connector on the underside of the seat.



c) Install the steering wheel:

- ▶ Insert the wedge (1) into the groove on the steering wheel rod.
- ▶ Remove the cap from the centre of the steering wheel. Seat the steering wheel on to the rod so that the wedge slides into the groove in the steering wheel hole.
- ▶ Slide the washer (2) and nut (3) on to the steering wheel rod. Firmly tighten the nut.
- ▶ Put the steering wheel hole cover back in its place.
- ▶ Use the lever (4) on the side of the concertina folding steering wheel cover to set the steering wheel at the desired angle.

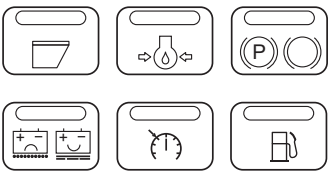
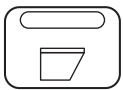
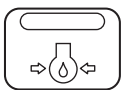

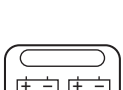

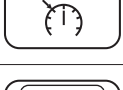


4. OPERATING THE MACHINE

4.2.1 STANDARD CONTROL ELEMENTS

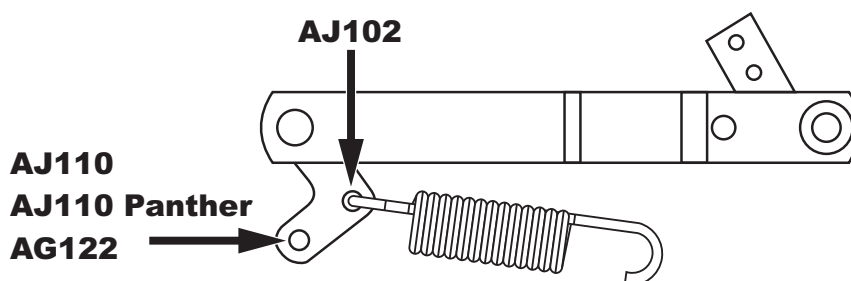
(13) INDICATORS ON THE INFORMATION PANEL

They serve to indicate the status of the basic functions of the machine.

| | | |
|---|--|---|
|  |  | Collector attached / full – not activated on the AJ110 PANTHER mower |
| |  | Motor oil pressure – when oil pressure in the engine falls, the indicator light is lit red |
| |  | Park brake and driving brake – when the brake pedal is pushed or the hand brake engaged, the indicator light is lit red |
| |  | Battery charging – the indicator light is lit: - permanently green = battery is OK and is recharging correctly - quickly flashing red = low battery voltage - long flashing orange = the battery can no longer be fully charged |
| |  | Cruise-control – when engaged the indicator light is lit green |
| |  | Low fuel – when the fuel level in the tank falls below 5 l the indicator light is lit orange |

5.4.3 SETTING THE HEIGHT OF THE MOWING DECK FOR MOWING

- If you wish to lower the the control force for lifting the mowing deck on mowers **AG122**, **AJ110** and **AJ110 Panther**, then change the position of the auxiliary spring to the left position. The factory-set configuration is the following:










6.3.4 REPLACING A FUSE

The **AJ110 Panther** mowers are equipped with a 12V power socket located under the left mudguard. The 10A fuse for this power socket is located next to the battery and is accessible when the seat is tilted out.



The external power socket is used to connect devices such as mobile phone chargers, PC's or for maintaining the battery power supply - however it is not used for fully recharging of the battery!

6.3.10 MOWING DECK - REMOVING IT FROM THE MACHINE

| | | |
|--|--|---|
| ▶ Lower the mowing deck to the lowest position by moving the height adjustment lever to position 1. | | |
| ▶ Slightly lift up the grass ejection chute (1) and slide it off two the two pins welded to the frame of the mowing deck. Then either move the chute approx. 10 cm backwards (2) and secure it in place, or completely take it out through the rear plate. | |  |
|  | <i>This point does not apply for the AJ110 Panther mower, which is not equipped with a grass catcher!</i> | 6.3.10a |
| ▶ Unhook the spring (3) from the arm of the tensioning pulley and release the lifting spring (4). | |  6.3.10b |
| ▶ Stand at the right side of the machine. Press the tensioning pulley towards the large pulley. This will release the V-belt. Then remove the belt. | |  6.3.10c |
| ▶ Slide the spring pins (7) from both the rear mowing mechanism suspension shaft pin (8). Screw out the nut (5) from the front shaft pin and pull out the shaft pin (6). | |  |
| ▶ Use pliers to slide out all the suspension pins on the mowing deck. Be careful not to injure your hand or fingers when sliding them out. | | 6.3.10d |
| ▶ Slip out the V-belt from the pulley of the electromagnetic transmission. | |  6.3.10e |
| ▶ On the AJ110 Panther mower unscrew the cover plate and protective frame of the mowing deck on the side of the machine from which you will be pulling the deck out. | | |
| ▶ Slowly pull the mowing deck out of the machine. | |  6.3.10f |

