Groundsmaster® 5900 or 5910 Rotary Mower

Model No. 31698—Serial No. 316000001 and Up

Model No. 31699—Serial No. 316000001 and Up

Electrical Schematic

Model No. 31698
122-0200 Rev A
1 of 4 (US base model, no cab)

G033360

Model No. 31698
122-0200 Rev A
2 of 4 (EU base model, no cab)

EU base model
ENGINE CONTROLLER
X CONNECTOR = 68 PIN
A CONNECTOR = 60 PIN
CAB POWER #7
ALTERNATOR (58 A)
STARTER
START RELAY
GLOW PLUGS
GLOW RELAY
ECM RELAY
ECM VALVE
ECM PRESSURE SENSOR
INTAKE THROTTLE
ECM TEMP
AIR TEMP
FUEL TEMPER SENSOR
EXH TEMP
ENGINE TEMP
WATER TEMPERATURE SENSOR
OIL PRESSURE SENSOR
CAM SPEED SENSOR
CRANKSHAFT SPEED SENSOR
FUEL INJECTORS
HIGH PRESSURE PUMP
ENGINE OIL PRESSURE
OPT THERMOCOUPLES
OPT PRESSURE SENSOR
TWAIN PENDANT HANDLES
TELEMATICS CONNECTION
EU LIGHTS
HORN
HORN SWITCH
HORN RELAY
POWER POINT
EU LIGHTS
BRAKE LIGHTS
ROAD LIGHTS
OPTIONAL FUSED POWER
AUTOCRUISE POWER
TELEMATICS POWER
OPTIONAL FUSE BLOCK
HORNS
TWAIN SIGNAL SWITCH
HAZARD SWITCH
TURN SIGNAL SWITCH
HAZARD SWITCH
EU ROADLIGHT KIT
TELEMATICS CONNECTION
TWAIN SIGNAL SWITCH
HORN SWITCH
HORN RELAY
LIGHT RELAY
LIGHT SWITCH
LEFT
RIGHT
LED TAIL LIGHT
LED TAIL LIGHT
LIGHT HEADER
LIGHT HEADER
LIGHT HEADER

Model No. 31699
122-0200 Rev A
3 of 4 (US cab model)

US cab model
CAB HARNESS
ENGINE CONTROLLER
ALTERNATOR (GM A)
STARTER
START RELAY
GLOW PLUGS
GLOW RELAY
ECM RELAY
ECM VALVE
ECM PRESSURE SENSOR
ENGINE TEMP SENSOR
WATER TEMPERATURE SENSOR
FUEL TEMPERATURE SENSOR
AIR TEMP
EGR TEMP
EXH TEMP
CAM SENSOR
CRANKSHAFT SENSOR
FUEL INJECTORS
HIGH PRESSURE PUMP
ENGINE OIL PRESSURE
OPT PRESSURE SENSOR
OPT THERMOCOUPLES
INLET MODULE
OPT INLET
OPT OUTLET
TWIN-SIGNAL SWITCH
HOURS SWITCH
LIGHT RELAY
HEAD LIGHT SWITCH
LEFT TAIL LIGHT
RIGHT TAIL LIGHT
TELEMATICS CONNECTION
DUAL SPOT FLASHER
EU LIGHTS
EU LIGHTS HARNESS
EU ROADLIGHT KIT
WASHER PUMP
A/C COIL
CAB POWER KIT
MAIN FUSE
MAIN POWER
CAB FUSE
CAB POWER
CAB GND
CAB FUSE CONNECTION
CAB HARNESS
TEC-5882
ANALOG GROUND
DIGITAL GROUND
ALARM MODE
ENGINE CONTROL
ENGINE RUN
ENGINE START
ENGINE ECU PWR
ENGINE ECU GND
ENGINE OIL PRESSURE
ENGINE TEMP
FUEL TEMP
AIR TEMP
EGR TEMP
EXH TEMP
CAM SENSOR
CRANKSHAFT SENSOR
FUEL INJECTORS
HIGH PRESSURE PUMP
OPT PRESSURE
OPT THERMOCOUPLES
INLET MODULE
OPT INLET
OPT OUTLET
TWIN-SIGNAL SWITCH
HOURS SWITCH
LIGHT RELAY
HEAD LIGHT SWITCH
LEFT TAIL LIGHT
RIGHT TAIL LIGHT
TELEMATICS CONNECTION
DUAL SPOT FLASHER
EU LIGHTS
EU LIGHTS HARNESS
WASHER PUMP
A/C COIL
CAB POWER
MAIN POWER
MAIN FUSE
CAB FUSE

Model No. 31699
122-0200 Rev A
4 of 4 (EU cab model)

EU cab model
CAB HARNESS
ENGINE CONTROLLER
TEC-5882
ALTERNATOR (GM A)
STARTER
START RELAY
GLOW PLUGS
GLOW RELAY
ECM RELAY
ECM VALVE
ECM PRESSURE SENSOR
INTAKE THROTTLE
ECM TEMP
AIR TEMP
FUEL TEMPER SENSOR
EXH TEMP
ENGINE TEMP SENSOR
WATER TEMPERATURE SENSOR
MAIL PRESSURE SENSOR
CAM SPEED SENSOR
CRANKSHAFT SPEED SENSOR
FUEL INJECTORS
HIGH PRESSURE PUMP
ENGINE DL PRESSURE
OPT THERMOCOUPLES
OPT PRESSURE SENSOR
TILT-SWITCH CONNECTION
TILT SWITCH
TILT-SIGNAL SWITCH
HORN SWITCH
LIGHT RELAY
HIGH LIGHT SWITCH
LEFT TILT LIGHT
RIGHT TILT LIGHT
LH HEADLIGHT
RH HEADLIGHT
LH LIGHTS HARN.
RH LIGHTS HARN.
EU LIGHTS
EU LIGHTS POWER
EU SOLENOID KIT
EU SOLENOID
LH TURN
RH TURN
HORN SIGNAL SWITCH
HORN RELAY
HORN
POWER POINT
EU LIGHTS
BRAKE LIGHTS
ROAD LIGHTS
OPTIONAL FUSED POWER
NON-FUSED POWER
TELEMATICS POWER
OPTIONAL FUSE BLOCK
HEADED LIGHTS
CAB POWER KIT
CAB FUSE BLOCK
CAB GND POWER
CAB GND
CAB FUSE
MAIN POWER
MAIN FUSE
CAB POWER
ALARM AUDIO
ALARM SIGNAL
ALARM SIGNAL LIGHTS
ANALOG GROUND
ANALOG IN
ANALOG OUT
DIGITAL OUT
DIGITAL IN
DIGITAL GROUND
CAN HIGH
CAN LOW
CAN GND
PTO ON
PTO SWITCH
PTO LIGHT
PTO SENSOR
ENGINE DECK MAGS / 35
ENGINE DECK FUSE / 36
L DECK TIMER / 37
L DECK MAGS / 37
R DECK MAGS / 37
R DECK TIMER / 38
R DECK FUSE / 38
L DECK FUSE / 39
L DECK MAGS / 39
R DECK MAGS / 39
R DECK TIMER / 39
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L DECK TIMER / 41
R DECK TIMER / 41
L DECK FUSE / 41
R DECK FUSE / 41
L DECK MAGS / 42
R DECK MAGS / 42
L DECK TIMER / 42
R DECK TIMER / 42
L DECK FUSE /