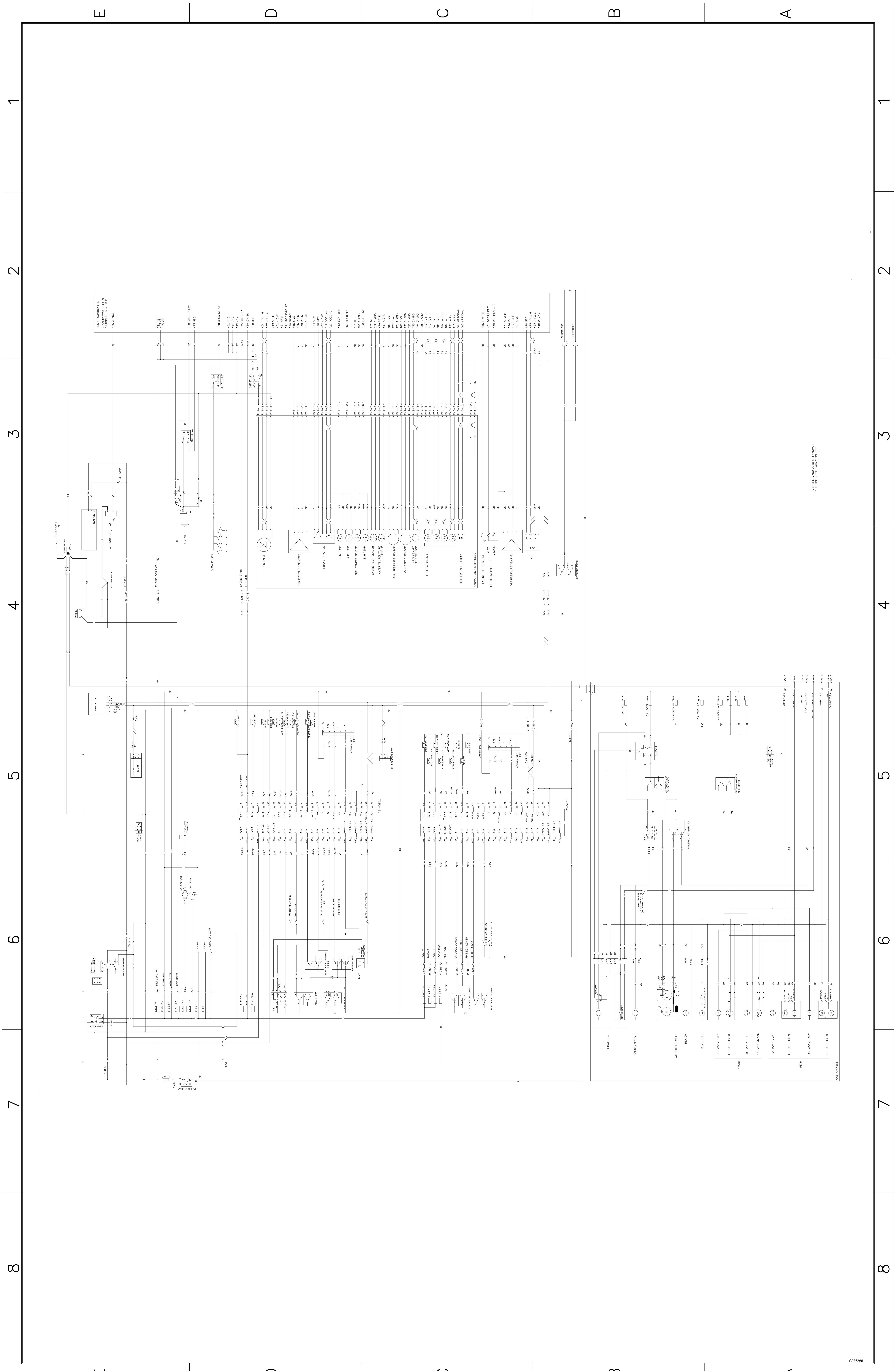
Groundsmaster® 4500-D and 4700-D Traction Unit

Model No. 30873—Serial No. 315000001 and Up
Model No. 30881—Serial No. 315000001 and Up
Model No. 30882—Serial No. 315000001 and Up

Model No. 30881 and 30882
122-0253 Rev B
1 of 2



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ENGINE CONTROLLER
K CONNECTOR = 94 PIN
A CONNECTOR = 60 PIN
K3 APP OUTPUT 1 (START RELAY)
M3 AIR HEATER RELAY
L1 GND
L2 GND
H4 START SW (ENGINE START)
G4 IGN SW (ENG RUN)
D1 MAIN RELAY
M1 VBB
C1 RACK RELAY
L3 ANALOG VBB
F1 RPS
H2 GND – ANALOG
M4 RACKSOL
F3 RET (WATER TEMP SENSOR)
L4 CSD COIL
J3 NRPM
H3 NRPM – GND
D3 OIL PRESSURE SW
K1 CAN HI
J1 CAN LOW
K2 RE-CAN (120 OHM)
RH HEADLIGHT
LH HEADLIGHT
AIR HEATER RELAY
MAIN RELAY
START RELAY
RACK ACTUATOR RELAY
1.6K OHM
ALTERNATOR (80 A)
STARTER
AIR HEATER
RACK ACTUATOR
WATER TEMPERATURE SENDER
CSD COIL
ENGINE RPM SENSOR
ENGINE OIL PRESSURE
YDT
HEADLIGHT SWITCH
1. ENGINE MANUFACTURER: YANMAR
2. ENGINE MODEL: 4TNV84T-ZMTR
FRAME GROUND
ENGINE GROUND
ENGINE
JUNCTION BLOCK
BATTERY
ENG-F KEY RUN
ENG-E ENGINE ECU PWR
ENG-A ENGINE START
ENG-B ENG RUN
ENG-C
ENG-D
INFO CENTER
CAN+
CAN-
120 OHM
GROUND BLOCK
HOUR METER CONNECTOR
AIR-RIDE SEAT
POWER POINT
75 OHM
COLE HERSEE IGNITION SWITCH
ENGINE ECU PWR
SYSTEM PWR
INFO CENTER
HEAD LIGHTS
OPTIONS
OPTIONAL FUSE BLOCK
F-D3 10A
F-A3 10 A
F-B3 2 A
F-A4 10 A
F-B4 10 A
F-C3 10 A
F-C4
F-D4
F-A1 7.5 A
F-B1 7.5 A
F-C1 7.5 A
POWER RELAY
F-D1 2A
M1 60 A
CAB POWER RELAY
FUEL PUMP
FAN DIRECTION
DECK PTO 1
DECK PTO 2
FAN SPEED
COUNTERBALANCE / TS
HYDROSTAT FWD
HYDROSTAT REV
CENTER DECK UP / S5
CENTER DECK FLOAT / S6
RANGE HI/LOW
COMMUNICATION PORT
CAN DIAGNOSTIC PORT
TEC-5002
TEC-5001
PARKING BRAKE (ON)
SEAT SWITCH
FRONT DECK POSITION #1
SPEED DECREASE
SPEED INCREASE
HYDRAULIC TEMP SENDER
CTR DECK RAISE/LOWER
SPEED REQUEST
PRESSURE TRANSDUCER
APS
RANGE HI/LOW
PTO SWITCH (YELLOW)
L DECK RAISE / S2
L DECK LOWER / S3
L DECK FLOAT / S4
R DECK RAISE / S7
R DECK LOWER / S8
R DECK FLOAT / S9
PTO RIGHT
PTO LEFT
ENABLE / S1
COMM PORT PWR
CAN LOW
CAN HIGH
GROUND
LEFT DECK UP LIMIT SW
RIGHT DECK UP LIMIT SW
PWR-2
PWR-3
PWR-4
LOGIC PWR
KEY RUN
LH DECK LOWER
LH DECK RAISE
RH DECK LOWER
RH DECK RAISE
F-A2 7.5 A
F-B2 7.5 A
F-C2 7.5 A
F-D2 2 A
LH DECK RAISE/LOWER
RH DECK RAISE/LOWER
30 A A/C F1-3
15 A HEATER F1-2
15 A FRONT WIPER F2-1
15 A DOME LIGHT F2-2
15 A WORK LIGHTS F1-1
FAN SWITCH
AIR CONDITIONING ON/OFF SWITCH
DPDT ON-NONE-ON WORK LIGHTS
RELAY
WINDSHIELD WASHER/WIPER
BINARY SWITCH AIR CONDITIONING (PRESSURE SWITCH)
CAB GROUND BLOCK
BRAKE/TURN
WARNING/TURN
NOT USED
WINDSHIELD WASHER
AIR CONDITIONER CLUTCH
TAIL
CAB-A
CAB-B
CAB-C
CAB-D
CAB-E
CAB-F
CAB-G
CAB-H
RESISTOR
FREEZE SWITCH
DOME LIGHT SWITCH
BLOWER FAN
CONDENSER FAN
WINDSHIELD WIPER
BEACON
DOME LIGHT
LH WORK LIGHT
LH TURN SIGNAL
RH WORK LIGHT
RH TURN SIGNAL
FRONT
REAR
CAB HARNESS
G036366