SWEEPER WIRING SCHEMATIC DIAGRAM OVERVIEW

332063 INSTRUMENT PANEL HARNESS

332060 MASTER HARNESS

332064 RELAY HARNESS

832072 ENGINE HARNESS

830063 Positive Battery Cable

530051 Negative Battery Cable

832001 Engine Ground Cable

50 AMP FUSE

FUSE P/N: 132150
FUSE COVER P/N: 132092
FUSE HOLDER P/N: 132093
BATT CABLE COVER P/N: 132069

BATTERY
P/N: 832011

SAFETY INTERLOCKS / WIRING LOGIC

- **TO START MACHINE**
  - MUST BE IN NEUTRAL
  - DECK ROTOR & PADDLE MUST BE "OFF"
- **TO TURN DECK ROTOR & PADDLE "ON"**
  - OPERATOR MUST BE IN SEAT
- 2 SEC TIME DELAY IN SEAT SWITCH CIRCUIT TO ACCOUNT FOR OPERATOR BOUNCE
- PARK BRAKE IS APPLIED WHEN OPERATOR IS OUT OF SEAT

MACHINE DISPLAY

GLOW PLUG - INDICATOR ILLUMINATES WHEN GLOW PLUG IS ACTIVATED
- J1 POS - BLU/BLK WIRE - LIGHT ILLUMINATES WHEN GROUND (-) IS PRESENT

HIGH HYDRAULIC OIL TEMP - INDICATOR ILLUMINATES WHEN OIL TEMP IS GREATER THAN 190° F
- J4 POS - BLK/WHT WIRE - LIGHT ILLUMINATES WITH LOSS OF GRND (-)

LOW ENGINE OIL PRESSURE - INDICATOR ILLUMINATES WHEN ENGINE OIL PRESSURE IS BELOW 7 PSI
- J5 POS - GRN WIRE - LIGHT ILLUMINATES WHEN GRND IS PRESENT (-)
- WITH LOSS OF GROUND, DISPLAY COUNTS MACHINE HOURS

HIGH ENGINE TEMP - INDICATOR ILLUMINATES WHEN ENGINE TEMP EXCEEDS 221° F & AUDIBLE ALARM SOUNDS
- J6 POS - RED/ORG WIRE - LIGHT ILLUMINATES WHEN +12V PRESENT (+)

PARK BRAKE - INDICATOR ILLUMINATES WHEN PARK BRAKE IS APPLIED
- J7 POS - WHT WIRE - LIGHT ILLUMINATES WHEN +12V PRESENT (+)

BACKLIGHTING - DISPLAY BACKLIGHTING ILLUMINATES WITH KEY ON
- J8 POS - RED WIRE - BACKLIGHT ON WHEN +12V PRESENT

NEUTRAL - INDICATOR ILLUMINATES WHEN MACHINE IS IN NEUTRAL
- J11 POS - GRN/WHT WIRE - LIGHT ILLUMINATES WHEN +12V PRESENT

LOW HYDRAULIC OIL - INDICATOR ILLUMINATES WHEN HYDRAULIC OIL IS LOW IN THE HYDRAULIC TANK & AUDIBLE ALARM SOUNDS
- J16 POS - BLK/GRN WIRE - LIGHT ILLUMINATES WITH LOSS OF GRND (-)

ENGINE TEMPERATURE - DISPLAYS ENGINE TEMPERATURE
- J17 POS - ORANGE WIRE - INPUT FROM SENDING UNIT. WHEN ENG TEMP EXCEEDS 215° F, THE DISPLAY SHOULD BE IN THE RED AND FLASHING.

BATTERY POWER - HOOKED DIRECTLY TO BATTERY FOR SAVING MEMORY
- J19 POS - RED/BLK WIRE - BATTERY +12V

FUEL LEVEL - DISPLAYS FUEL LEVEL IN TANK
- J22 POS - PURPLE WIRE - INPUT FROM FUEL LEVEL SENDING UNIT (240-33.5 OHMS)

LOW BATTERY - INDICATOR ILLUMINATES WHEN BATTERY IS LOW
- J23 POS - BLK/YEL WIRE - LIGHT ILLUMINATES WHEN GROUND IS PRESENT (-)

POWER - DISPLAY TURNS ON WITH KEY SWITCH
- J25 POS - RED WIRE +12V PRESENT WHEN KEY SWITCH ON

GROUND
- J26 POS - BLK WIRE - GROUND PRESENT AT ALL TIMES (-)