snorkel

MB20J
MB26J



SERVICE & MAINTENANCE MANUAL

Part Number 7030537-000
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GENERAL SPECIFICATIONS

MB20J

PARAMETER	MB20J EU VERSION	MB20J US VERSION
Duty Cycle	45% over 8 hour cycle	35% over 8 hour cycle
Platform Size	770 mm x 730 mm	30.5 in x 28.5 in
Maximum Platform Capacity	215 kg	425 lbs
Indoors	2 People	2 People
Outdoors	1 Person	2 People
Max Wind Speed	12.5 m/s	26.8 mph
Max Manual Force Per Person	200 N	45 lbs
Maximum Chassis Inclination	2°	2°
Heights:		
Maximum Platform Height	6.10 m	20.00 ft
Maximum Working Height	8.10 m	26.50 ft
Platform Height at Maximum Outreach	5.04 m	16.54 ft
Maximum Working Outreach	2.64 m	8.66 ft
Stowed Dimensions:		
Length	2.430 m	7.97 ft
Width	0.810 m	32 in
Height	2.013 m	6.60 ft
Chassis Ground Clearance	90 mm	3.54 in
Wheelbase x Wheel Gauge	1465 mm x 708 mm	4.81 ft x 2.32 ft
Rotation	360° non-continuous	360° non-continuous
Gross Vehicle Weight	2,590 kg	6,640 lbs
Maximum Drive Speed - Stowed	3.30 km/h	2.05 mph
Maximum Drive Speed - Elevated	0.60 km/h	0.37 mph
Maximum Gradeability	25%	25%
Outside Turning Radius	1.90 m	6.23 ft
Electrical:		
Power Source	4 x 6V @ 375Ah Battery	4 x 6V @ 375Ah Battery
System Voltage	24 Volt DC	24 Volt DC
Battery Charger (2 Per Machine)	24V x 30A, Output Auto Select AC input 100-240v -50/60Hz 12-6A	24V x 30A, Output Auto Select AC input 100-240v -50/60Hz 12-6A
Control System	Single Joystick, Function Selector, DC Motor Controller	Single Joystick, Function Selector, DC Motor Controller
Hydraulic System:		
System Relief Setting	220 bar	3,190 psi
Hydraulic Oil Type	ISO VG46	ISO VG46
Hydraulic Tank Capacity	20 litres	5.3 gallons (U.S.)
Brakes	Spring applied hydraulically released	Spring applied hydraulically released
Wheel & Tires	13.5 in x 4.0 solid, Non-Marking	13.5 in x 4.0 solid, Non-Marking
Wheel loading	1,300 kg per wheel	3,466 lbs per wheel
Vibration of this machine does not exceed	2.5m/sec x^2	2.5m/sec x^2
Noise Pressure Level	68dB (A) at Control Station	68dB (A) at Control Station

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EZCAL DISPLAY

Diagnostics

The EZcal Display can be switched into calibration mode to become an invaluable tool when troubleshooting on this machine.

Switch the machine on, press and hold Esc for 5 seconds until "Ezlift menu" is displayed then select diagnostics, the following menu's are available:

1. SYSTEM:
   - MODE: Platform or Ground Controls selected.
   - SUPPLY: Displays battery voltage, should be above 18v when the machine is not running.
   - VALVE SUPPLY: ON or OFF
   - MOTOR V: Supply voltage to motor (0volts when motor not running).
   - MOTOR I: Supply current to motor (0Amps when motor not running).
   - TEMPERATURE: Control temperature in °F/°C, should be below 140°F/60°C.
   - TILT: Displays tilt angle of the machine in X and Y direction, both should be below 2°.
   - TILTED: YES or NO

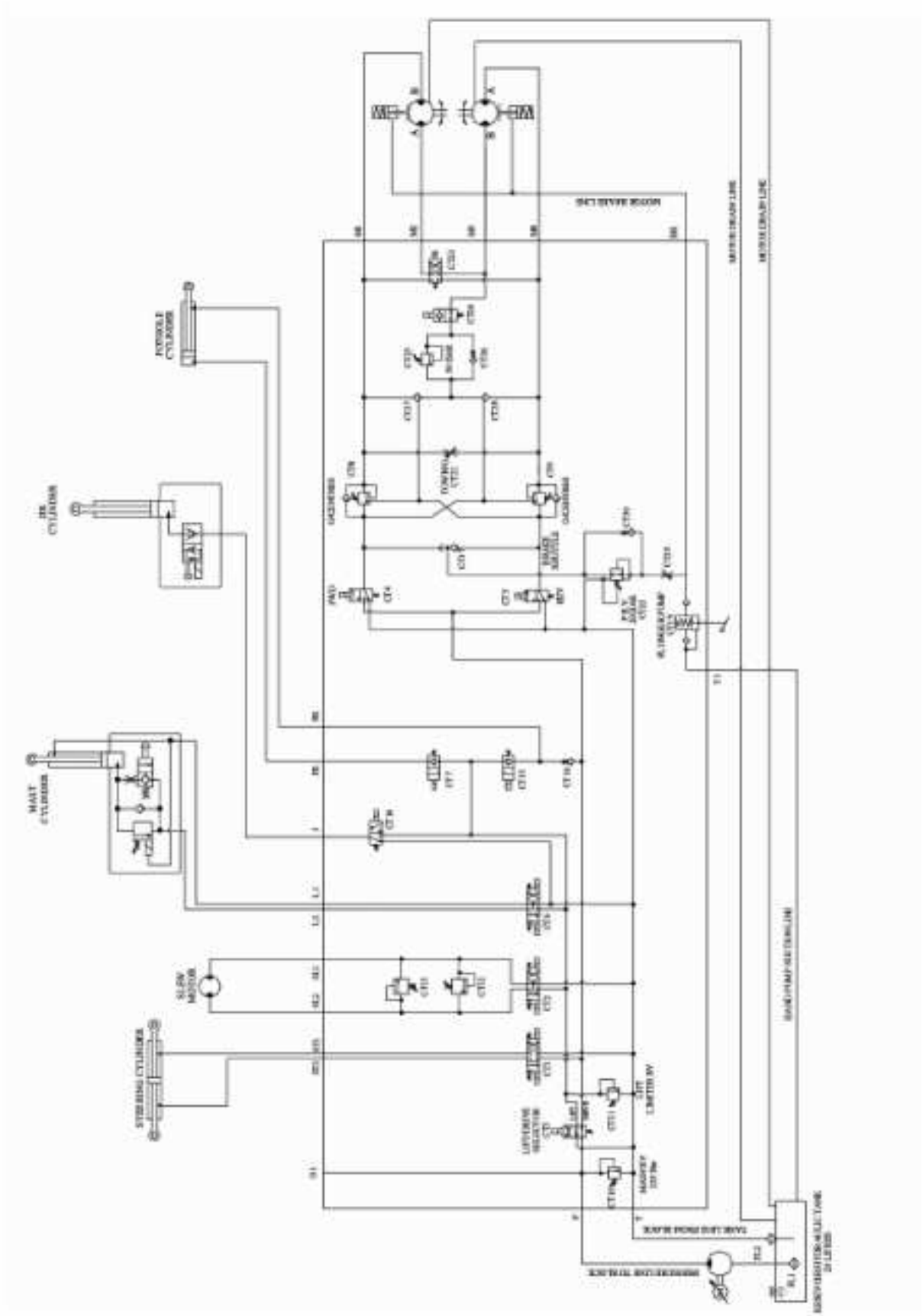
The remaining submenu's in SYSTEM are not applicable to this machine.

2. PLATFORM: Checks the function of the switches and joystick functions in the platform controller.
3. GROUND: Checks the function of the switches in the ground controller.
4. INPUTS: Displays the condition of all inputs to the EZ230/EZ231, see the following table and the circuit diagram on page 5.2 for a list of I/0's.
5. ANALOG: Displays the condition of all analog inputs from the EZ230/EZ231.
6. OUTPUTS: Displays the condition of all outputs from the EZ230/EZ231.

Continued on next page...

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HYDRAULIC SCHEMATIC



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