Service and Maintenance Manual

Model(s)

SSV Series

P/N - 3121187

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ANSI

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1.1 CAPACITIES

System Voltage

24 Volt DC

Hydraulic System

5 qts. U.S. (4.7 L)

Drive Motor GearBox (Gear Oil)

6 oz. (175cc)

1.2 COMPONENT DATA

Hydraulic Pump/Pump Motor Assembly

Pump Motor - 24 Volt DC motor, Standard Duty

Pump Displacement - .098 cu. in./rev. (1.6cc/rev.)

Pump Output (Max.) - 2.25 gpm @ 1400 psi @ 24 volts and 105 amps @ 43 centistrokes (200 SSU)

Reservoir Capacity - 1 Gallon (3.78 L)

Rear Wheel Drive Motors

Drive Motors - 1/2 HP, 24 Volt DC, Variable
15/16" Parallel Drive Shaft
Sealed Gear Box
32:1 Gear Ratio
Brake Shaft and Drive Shaft - Integral to Motor

Brakes - Friction Disk - Spring Applied - Electrically Released

Batteries/Battery Charger

Batteries - 12 Volt DC (2 in series @ 24 volt)

Nominal Capacity - 100 Amp Hour

Type - M2 Marine Combination (AGM)/Valve Regulated/ Leak Proof/NonCorrosive/Maintenance Free

Weight - 65.7 lb. (29.8 Kg) - Per Battery

Battery Charger -
Microprocessor Controlled/SCR Circuit Monitor
120/240 Volt A.C. Selectable / 50/60 Hz input
24 volt, 20 amp output - with 2 amp finish
Reset Circuit Breaker
Automatic Charge Circuit
Plug Interlock Circuit
Wet/VRLA Battery Switch

NOTE: *The SSV-10 batteries require approximately five (5) hours to fully charge when drained to 80% discharge - (Only the RED LEDS on platform console lit).*

1.3 PERFORMANCE DATA

Platform Capacity

Table 1-2. Platform Maximum Capacity

SPECIFICATION	MAXIMUM CAPACITY				Max. Wind Speed
	Platform Load	Material Tray Load	Carry Deck	Total Capacity	
ANSI/CSA	350 lb. (160kg)	250 lb. (115kg)	250 lb. (115kg)	850 lb. (390kg)	28 mph (12 m/s)
CE (Indoor Use Only)					0 m/s
Australia (Indoor Use Only)					0 m/s

1. Operators Platform
2. Platform Load (Operator)
3. Platform Swing-In Entry Gate
4. Material Handling Tray
5. Storage Hook
6. Ext. Cord Wrap Hooks
7. Lanyard Attach Point
8. Carry Deck - Hood

NOTE: *Distribute weight evenly in platform and material tray when loading. Reference the capacity decal located on the machines mast cover in the operators platform.*

Platform Size

19.5 in.-W x 27 in.-L (49.5cm) x (68.5cm)

Material Tray Size

26.3 in.-W x 25.6 in.-L (67cm) x (65cm)

Platform Height - (Fully Elevated)

10 ft. (3.09m) (To floor of platform)

Platform Maximum (Working) Height (Platform fully elevated + Operator height)

16 ft. (4.92m) approximately

Machine Height

Platform Elevated - 13.74 ft. (4.19m)(Top of platform rails)
Platform Stowed - 57 in. (1.44m)

Machine Overall

Length - 60 in. (1.52m)
Width - 29.5 in. (74.93cm)

Platform Entry Height (Floor to Platform Floor)

13.5 in. (34.3cm)

Machine Underclearance

1.875 in. (47.6mm)

Machine Turning Radius (Outside)

65 in. (165cm)

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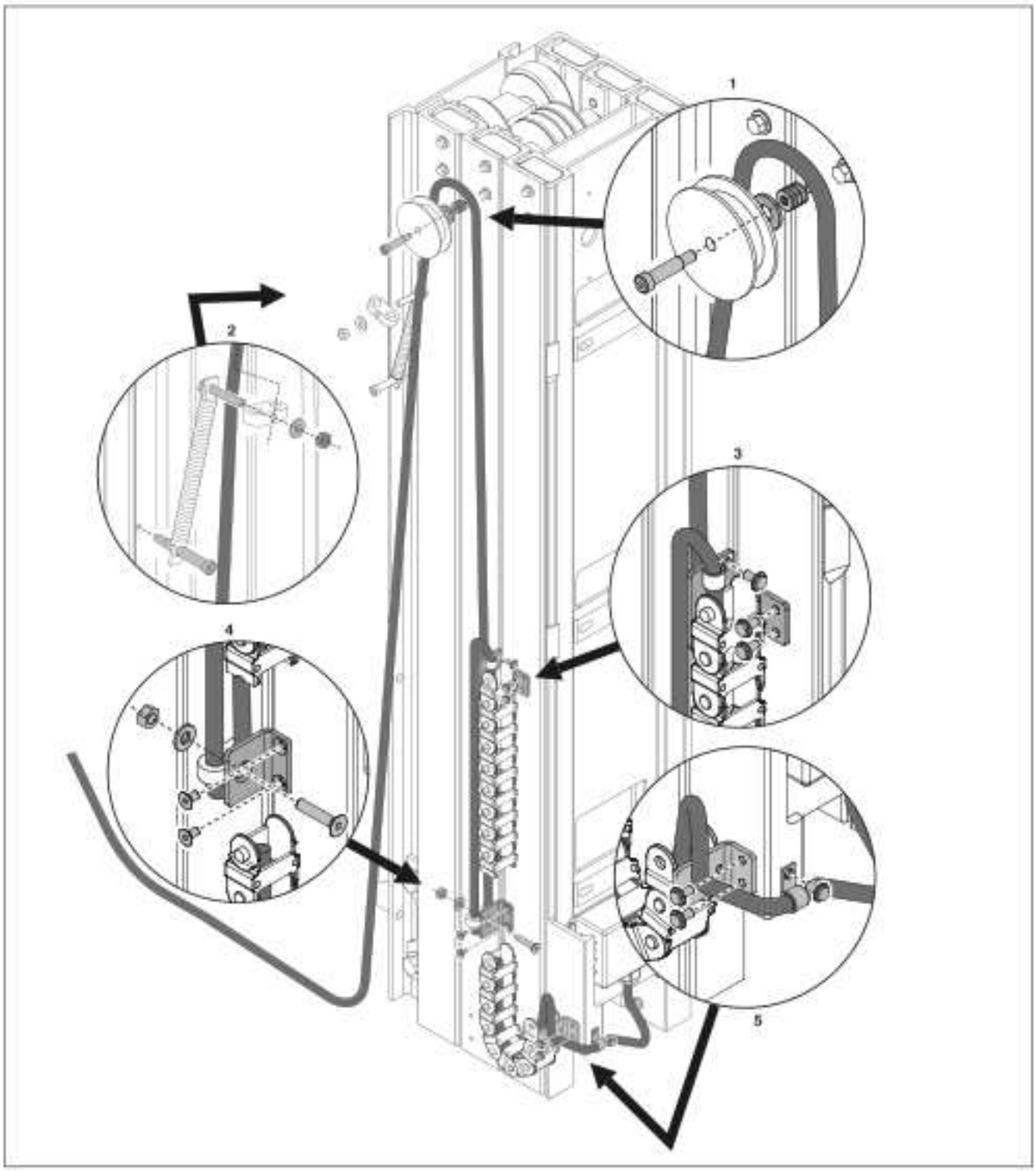
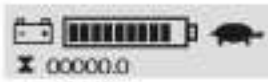
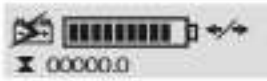
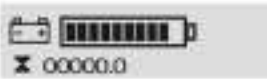
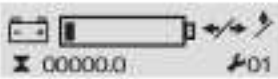
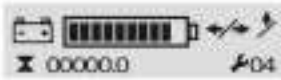
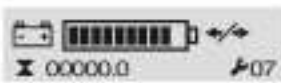
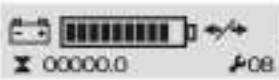


Figure 5-7. Platform Junction Box to Ground Control Station Wiring Harness.

1. Harness Sheave Wheel
2. Harness Spring Tensioner
3. Upper Powertrak Bracket
4. Mid Powertrak Bracket (Powertrak Shown Cutaway)
5. Lower Powertrak Bracket

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Table 6-1. LCD Display - Service Fault Code Conditions

FAULT CODE	PLATFORM CONSOLE LEDs FLASHING	LCD SYMBOL SCREEN	LCD TEXT SCREEN	FAULT DESCRIPTION/ MACHINE CONDITION	TROUBLESHOOTING
—	—		—	Machine In Drive Speed Cut-Back (Turtle) Mode All The Time	See Table 6-5, Page 6-11
—	—			Brakes Released DRIVE Disabled	Engage Brakes - Press Brake Release Button on Ground Control Station
—	—		—	Charger AC Plugged In DRIVE Disabled	Unplug Charger AC Input Power Cord from Machine
—	—			Programmable Security Lock Password	Type in Code At PSL Key Pad See Operators Manual for Proper Operation
01	1			Low Battery Voltage	See Table 6-6, Page 6-12
02	2	RESERVED		RESERVED	
03	2	RESERVED		RESERVED	
04	3			Tilt Condition (Platform Elevated) DRIVE and Lift UP Disabled	See Table 6-7, Page 6-13
05	—	RESERVED		RESERVED	
06	—	RESERVED		RESERVED	
07	6			Left Drive Motor Disconnected DRIVE Disabled	See Table 6-8, Page 6-13
08	6			Right Drive Motor Disconnected DRIVE Disabled	SeeTable 6-9, Page 6-14
09	6			Left Brake Disconnected DRIVE, Lift UP/DOWN Disabled	See Table 6-10, Page 6-14

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