



STURGO® Electric Pallet Jack ~ Daily Maintenance List

			Maintenance Interval			
			■ = check/test/adjust ◇ = replace			
			Operating Hours			
Part	Directions	Type of lubricant	Weekly	250	500 (or at least annually)	2000 (or at least annually)
1. Battery	Keep surface of battery clean & dry. For water spills, dust or other pollutants, clean surface of battery with wet rag (wrung dry).		■			
	Check battery shell for damage and deformation			■		
	Check temperature of electrolyte (should be less than 45°C while charging - if above 45°C, battery cell needs to be repaired or replaced).			■		
	Check battery cable connections are secure				■	
	Check for impact damage, electrolyte leakage, rusted connectors, poor contact etc. Do not operate machine until these situations are fixed.				■	
	Check battery voltag and ensure battery is kept charged (for spare batteries, charge every 2 months).				■	
	Check for voltage drop while lifting or driving - shouldn't drop more than 2 volts. If it does, at least one of the batteries is damaged, and should be repaired/replaced.				■	
	Check terminal and battery plate, smear Vaseline on terminal	V			■	
2. Brake	Check brake performance		■			
	Brake system: check for damage to linkage and loose cables			■		
	Brake system: check for functionality, air gap (0.2 - 0.3mm)				■	

	Check spring and friction disk, replace if necessary				■	
3. Drive Unit	Check wheel condition (damage, tread depth, screw and nuts, abnormal noise)		■			
	Check the transmission for abnormal noise and oil leakage		■			
	Check control handle recuperating function		■			
	Check steering system functionality (should be sensitive and fluid)		■			
	Check travel mechanism mounting and fasteners, adjust and lubricate if necessary	G1		■		
	Check steering mechanism mounting and fasteners, adjust and lubricate if necessary	G1		■		
	Check drive motor (cable connections, bolts and abnormal noise)				■	
	Replace carbon brush of drive motor (\leq 1/3 of original length), clean commutator					◇
	Replace transmission oil	G2				◇
4. Electrical system	Test instrument displays, horn and control switches are working		■			
	Test warning and safety device		■			
	Make sure wire connections are secure, check for damage				■	
	Test micro switch setting isn't stuck and there is no damage		■			
	Make sure cable connections between battery and controller are secure				■	
	Check main contactor and pump contactor work normally				■	
5. Pallet Jack frame	Check machine frame for damage			■		
	Check labels are present and complete			■		
6. Hydraulic operations	Test hydraulic system functionality		■			
	Check that hose and pipe lines and their connections are secure, check for oil leakage and damage			■		
	Check the multi-way valve for abnormal noise and oil leakage				■	
	Check pump motor for abnormal noise and oil leakage				■	
	Replace carbon brush of pump motor (\leq 1/3 of original length), clean commutator					◇
	Check the lifting capacity, adjust if necessary				■	

Check gear pump for abnormal noise and abrasion					■
Check cylinders and piston rods for damage and oil leakage				■	
Check load mechanism setting and tension, adjust and lubricate if necessary	G1			■	
Visually inspect frame rollers and check contact surface wear level, adjust and lubricate if necessary	G1			■	
Check forks, load handler for wear and damage				■	
Check hydraulic oil level				■	
Replace hydraulic oil	H				◇
Check and clean hydraulic oil filter, replace if necessary					■

Note: Weekly service intervals are to be performed by the customer

Consumables:

Code	Description	Used For	Quantity
H	HM46# (ISO VG 46)	Hydraulic System	0.65L
G1	Lithium based grease 3#	Lubrication	Appropriate
G2	Lithium based grease 3# (contains MuS2)	Gear case	100g
V	General industrial Vaseline	Vaseline	Appropriate

