

TROUBLE SHOOTING CHART		
Problem	Cause	Solution
Machine will not turn on.	Battery pack is not plugged into machine.	Open the battery cover and plug the battery pack into the machine.
	Battery charger is plugged into AC outlet.	Unplug the battery charger.
	The 4 amp fuse is missing or blown.	Replace 4 amp fuse.
	Circuit breaker is tripped.	Reset circuit breaker.
Brush motor will not run or stopped running.	Current over load of brush motor has exceeded set parameters in control system.	Turn off all switches and then turn on the master switch to reset the control system. If the problem continues check battery meter for fault code F42.
	Tilt switch failure.	Check tilt switch operation. Replace tilt switch if test failed.
	Carbon Brushes worn or not making contact.	Have an authorized NSS Service Station check carbon brushes and replace if necessary.
Brush motor will not turn off when handles are in neutral position.	The potentiometer is set on the threshold of neutral or potentiometer has failed.	Have an authorized NSS Service Station reset the potentiometer to neutral or replace.
Machine vibrates.	Pad not centered or torn.	Center pad. Change torn and worn pad.
	Pad driver damaged and/or out of balance.	Check pad driver for damage and replace if necessary.
Short run time on battery charge.	Damaged or defective battery or battery pack.	Have an authorized NSS Service Station check the batteries and replace as necessary.
	Batteries are not fully charged	Charge batteries until the green LED indicates the charge cycle is complete.
	Incorrect Battery Type Setting on the charger	Ensure the charger is set according to the type of batteries installed.
Battery charger will not turn on.	Battery charger cord damaged.	Check for cord damage and replace if necessary. DO NOT try to repair it.
	Connection not made between battery charger and battery pack.	Check connections at battery pack for corrosion and loose or broken wires.
	The battery charger is damaged.	Have an authorized NSS Service Station check and replace if necessary. DO NOT try to repair it.
Pad will not stay in the pad change position.	Weak or missing gas spring(s).	Check and replace if necessary.
Pad will turn on in the pad changing position.	Tilt switch failure.	See daily maintenance for proper checking procedure. Replace tilt switch as necessary.
Circuit breaker trips.	Spray Buffing.	DO NOT spray buff.
	Pad pressure too heavy.	Check gas springs for failure and replace as necessary.
	Pad pressure collars out of adjustment.	Readjust pad pressure collars as required by your burnishing conditions.
Front of machine does not move down to the floor when turned on.	Spring guides sticking in slides.	Check spring guides for proper operation. Replace if bent. Lubricate if necessary. Loosen bolts in spring guide mounting bracket, it will self align, retighten bolts.
Flashing number 1 appears in battery meter.	Brush motor circuit closed when machine is turned on.	Turn off brush switch. Check tilt switch for proper operation.
Flashing letter A appears in battery meter.	Twist grip not in neutral when master switch is turned on. Potentiometer not set properly in neutral position.	Let go of twist grip. Have an authorized NSS Service Station reset the potentiometer to neutral or replace.
Fault code F12 appears in battery meter.	Internal programmable parameter data is corrupt.	Turn machine off and then on. If problem continues call for service.
Fault code F23 appears in battery meter.	Internal temperature of controller has exceeded the set parameters.	Turn machine off and let control system cool off. If problem continues call for service.

TROUBLE SHOOTING CHART CONTINUED		
Problem	Cause	Solution
Fault code F26 appears in battery meter.	Precharge failure when controller is turned on or the control system has been miswired causing an internal controller failure.	Turn machine off and then on. If problem continues call for service.
Fault code F29 appears in battery meter.	Wired incorrectly. Internal control system failure.	Check wiring. Turn machine off and then on. If problem continues call for service.
Fault code F32 appears in battery meter.	Wired incorrectly. Internal control system failure.	Check wiring. Turn machine off and then on. If problem continues call for service.
Fault code F37 appears in battery meter.	Potentiometer wired incorrectly. Internal control system failure.	Check wiring. Turn machine off and then on. If problem continues call for service.
Fault code F42 appears in battery meter.	The brush motor is exceeding the current limit set in the controller.	Check the gas springs for wear. Check the brush pressure set collars for proper adjustment. Check pad driver and Flexiwall shield for proper installation and problems. Turn machine off and then on. If problem continues call for service.
Fault code F44/F4C/F45/F59/F60 appears in battery meter.	Caused by wiring short circuit in drive wiring or shorted drive motor.	Check wiring and drive motor for short circuit. Correct problem if found. If problem continues call authorized NSS Service Station for service.
Fault code F4D/F46/F61 appears in battery meter.	Caused by wiring short circuit in brush wiring or shorted brush motor.	Check wiring and brush motor for short circuit. Correct problem if found. If problem continues call for service.
Fault code F58 appears in battery meter.	The deceleration of the brush motor or drive motor exceeded set parameters. Example: Tried to slow down or stop on too steep a hill.	Turn machine off and then on. If problem continues call authorized NSS Service Station for service.
Fault code F62 appears in battery meter.	Wired incorrectly. Internal control system failure.	Check wiring. Turn machine off and then on. If problem continues call for service.
Fault code F63 appears in battery meter.	Caused by wiring short circuit in contactor wiring or contactor coil.	Check wiring and contactor for short circuit. Correct problem if found. If problem continues call for service.