



## Owners Manual for NA Floor Machines and High Speed Burnishers



## SERVICE INFORMATION

To obtain consistent performance over the lifetime of your NaceCare equipment, read through these instructions and save them for future reference.

SERIAL NO.		MODEL
VOLTS	PHASE	HZ
MOTOR	AMPS	H.P.

The model and serial number can be found on the nameplate located on the side of the handle. If you require service, or need to make an inquiry about the machine, please have this information ready when calling.

## IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic precautions should always be followed, including the following:



Warning: Electric shock can cause serious injury or be fatal. Please read the following instructions on the use and operation of these machines.

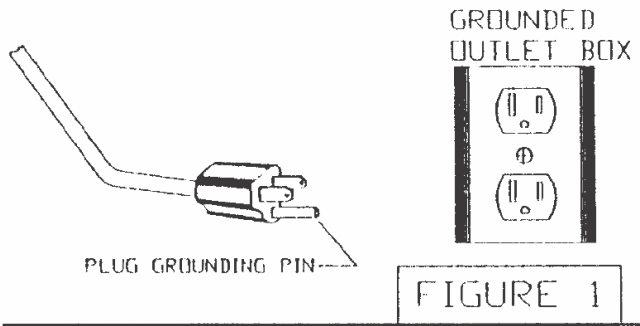
- ▶ Your floor machine is equipped with a safety switch lock and power switch triggers designed for your safety. Do not attempt to bypass or defeat the safety switch lock. Never use any device to lock the power switch in the “ON” position.

- ▶ Do not leave the floor machine when plugged in. Make sure that the machine unplugged when not in use, and before servicing or changing the brushes or pads.
- ▶ Do not allow the machine to be used by a child. Close attention is necessary when used near children. Do not leave the machine plugged in while unattended.
- ▶ Use only as described in this manual.
- ▶ Do not use the machine with a damaged cord or plug. If the machine is not operating as it should, discontinue use immediately and contact a service center.
- ▶ When operating, pay close attention to the location of the electrical cord. Do not let the brush/pad driver come into contact with the electrical cord.
- ▶ Do not pull the cord around sharp corners or edges. Keep the cord away from heated surfaces.
- ▶ Connect to properly grounded outlet only.
- ▶ Do not use extension cords or outlets with inadequate current carrying capacity.
- ▶ Turn off all controls before unplugging.
- ▶ Do not unplug the machine by pulling on the cord.
- ▶ Do not handle the plug or floor machine with wet hands.
- ▶ Use extra care when working near stairs
- ▶ Do not use with or near flammable or combustible liquids or gasses.
- ▶ Use indoors only
- ▶ Always keep your work area well lighted.

## GROUNDING INSTRUCTIONS

This appliance **MUST** be grounded. If it should malfunction or break down, the ground reduces the risk of electric shock. This machine is supplied with a 3 prong grounded electrical plug and can only be used with a 3 prong grounded electrical outlet.

**NOTE:** Improper connection of an equipment grounding conductor can result in risk of electrical shock. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. Do not modify the plug provided with the machine. If it will not fit in the outlet, have a qualified electrician change the outlet to the proper type. This machine is made for use on a 120 volt circuit and has a grounded plug as shown in the illustration below.



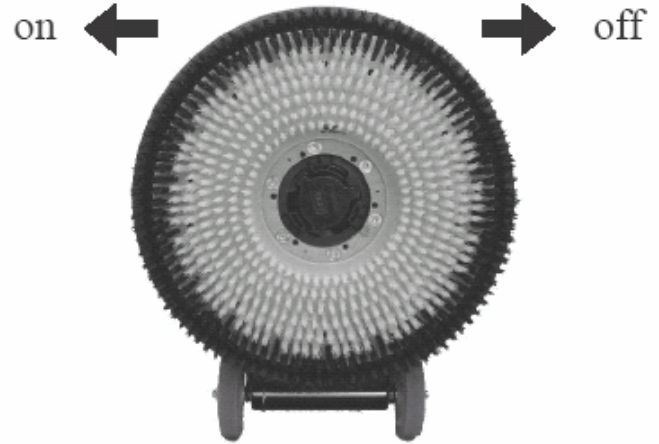
## PAD CENTERING LOCK

MODEL NA1520/2020 ONLY

To install the pad, tip the machine backwards so it rests on the rear wheels and handle. After centering the pad on the pad holder, insert the pad centering lock and press until you hear it snap in place. To remove the clamp, press the clip together and pull the centering lock out. **When performing this operation, make sure that the machine is unplugged.**



## BRUSH AND PAD DRIVER INSTALLATION



To install a brush or pad driver, leave the handle in the upright position and tip the machine backwards. The brush and pad driver both attach in the same manner. Align the 3 cut-outs on the clutch plate with the 3 cut-outs on the drive hub. Push the brush/pad driver on to the drive hub and turn it counter clockwise to lock it in position.

To remove, turn the brush/pad driver clockwise and pull towards you.

**NOTE: ENSURE THAT THE MACHINE IS UNPLUGGED WHILE PERFORMING THESE OPERATIONS**

## HANDLE ADJUSTMENT

The handle can be adjusted to any working position by pushing up on the handle lock. Then position the handle to the desired position and push the handle lock down to lock the handle again.



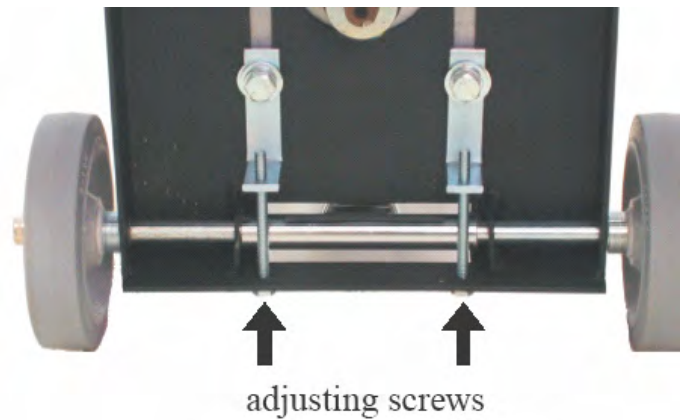
## ADJUSTMENTS

### DRIVE BELT ADJUSTMENTS (NA1520/2020 ONLY)

**NOTE:** Disconnect power cord from electrical outlet before adjusting drive belt tension

1. Loosen the bolts holding the drive motor to the frame, do not remove them
2. Turn the 2 screws at the rear of the frame until the belt is tight
3. Test the machine. If the belt slips, adjust and test again. If the belt does not slip, tighten the drive motor bolts.

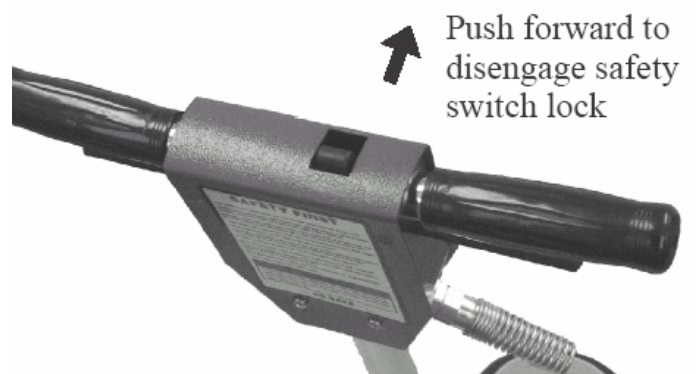
**Do not over tighten the drive belt.**



## CONTROLS

The operating handle must be lowered to the operating position prior to turning the machine on. Place both hands firmly on the handle grips with your fingers around the power triggers. Do not apply pressure to the triggers until the safety switch has been pushed forward.

To stop the machine, release the triggers. The safety lock will automatically return to the locked position



## NA17DS & NA20DS TWO SPEED MACHINES

Any model number ending with DS is a dual speed machine (175/300 RPM) designed for scrubbing or buffing. The toggle switch located on the side of the handle will change the speed from 175 to 300 RPM. Do not operate this floor machine for buffing in low speed. It will not do an effective job and may overload the motor.