

INSTRUCTION MANUAL

**TORNADO®
ONE MOTOR
FORCE DRYER**

DO NOT HANG DRYER BY HANDLE



Please read this manual carefully before you use your Tornado® dryer and keep it handy for future use.

■ ■ Items Checklist (Tornado)

- 7 foot Dryer Hose Assembly with 3/4 inch Rubber Nozzle
- Wall Brackets (Optional)

■ ■ The One Motor Dryer

Thank you for purchasing our Tornado® dryer. With proper maintenance it will give you years of reliable service.

As with all equipment, the dryer needs the proper power supply to work efficiently. The Tornado® dryer is rated at 10 amps 120 volts. If the dryer is in a bathing area, your electrical supply in this area must be GFI protected. The dryer is designed to be used for force drying or with optional attachments it can be used as a cage dryer.

How to Use the Dryer:

When using the force dryer on an animal, begin on the back to see how it will tolerate the air flow; then move to the head. Dry the head first to avoid a droopy top knot. The proper angling of the air is very important when force drying. If you dry several directions with no purpose in mind hair will be lying in all directions. Angle the air movement either vertical or horizontal.

To dry heads or top knots of dogs, use a large diameter hose such as 1 1/2 inch from the outside towards the center on both sides and lay it very close to the skin working in a circle from the outside perimeter of the head to the inside. Avoid working from the center, because this will pancake the head and ruins the look you want. You need to dry with air movement that will help the hair to stand straight.

Poodles, Bichons and mixed breeds are best done with the 1 1/2-inch hose (without shooting nozzle) directly on the dog's skin. This technique creates a beautiful fluff.

Dogs with thick coats such as: Great Pyrenees, Golden Retrievers, German Shepherds, Keeshonds, Chows, Samoyeds, etc. are best done with the shooting nozzle on the body projecting the air flow down so the dogs' coats will lay flat for grooming.

Grooming Quality:

The effects on grooming quality and finished appearances are impressive when using the force dryer. Force dryers dry hair from the base permitting hair straightening and lifting without excessive brushing. With proper technique and practice you can achieve the look you want with less time and effort.

Benefits for the Animal:

Force drying has many benefits for the animal. It increases blood flow to the skin promoting better circulation. Force drying also helps remove dander and loose hair on animals with heavy coats. Grooming becomes comfortable to pets, as they spend less time on the table and you spend less time brushing, fluffing and dematting.

Drying Method:

The best method for force drying is to do the entire drying procedure in the tub and then return to the grooming table for a finish groom.

Materials:

A tub rack is a device that raises the animal several inches from the tub bottom allowing the pet to be dried without standing in water.

The 3/4-inch nozzle or shooting nozzle reduces the air diameter to 3/4 inch. The soft rubber style is safe to use. The shooting nozzle method is effective for blowing water out of an animal's coat, all while the air pressure separates and lifts the hair or under-coat, saving a lot of brushing and dematting.

When drying long coats, you want to use the 1 1/2-inch hose without the shooting nozzle and apply it directly to the skin. Shooting nozzles will only tangle long hair and create more work. This technique prevents tangles and promotes straightening on dogs such as: Lhasa Apso, Shih Tzu, Maltese, Yorkshire Terrier, etc.

Precautions:

As with any equipment used in the salon, there are necessary precautions to prevent animal injury. It is important to remember that as the dryer nozzle gets smaller, the air force and temperature increases. Therefore, when you are using the 3/4-inch nozzle you must stay at least 6 inches from the animal's skin to prevent burning; use quick movement so the pressure is not constant in one area. Also, be extra cautious around the animal's eyes, ears, and privates. These areas are more sensitive to pressure and burning. For extra comfort, place ear plugs or cotton in dogs' ears to help reduce the sound of air flow.

Air Pressure:

Air pressure in a force dryer is described by feet per minute or F.P.M., which is measured at the end of the drying hose or nozzle. The volume of air moved by the motor is described by cubic feet per minute or C.F.M.

■ ■ Maintaining Your Tornado®

In one and two years the carbon brushes will need to be replaced, depending on hours of use. Use the brush changing procedure included in this manual or the literature that is furnished with replacement brushes. All brushes are not the same, be sure to replace them with the proper type and style. To access the motor, remove the top cover by removing the screws, then breaking the seal. This can be done with a utility knife and screwdriver. Insert the knife blade between the cover and main body of the unit. Move the knife around the entire unit to cut the seal. After replacing the brushes, per the instructions, put a small bead of silicone along the edge of the unit then replace the cover. Start all screws before screwing them tight. After starting all screws, go back around and tighten them down. Let silicone dry at least 24 hours, then remove the excess.

Motor Brushes:

To Remove the Used Brush:

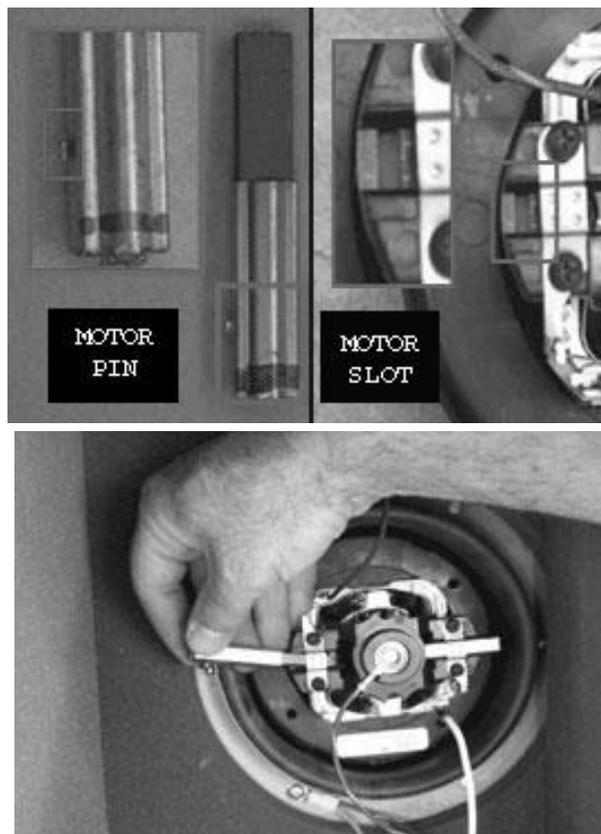
Loosen the two screws holding the brush clamp enough to allow the brush to lift upward and slide out.

Note: It is not necessary to completely remove the screws.

To install the new brush:

Slide the new brush in with the pin facing downward. The brush should lock into place. The pin should be inside the slot on the motor housing. Tighten both screws - be careful not to over tighten.

Repeat procedure for other brush. Test run motor before replacing the lid on the unit. The new brushes may spark more than normal until they wear in.



Dryer Filter Maintenance:

Clean hair from the filter throughout the day. At the end of the day vacuum the filter. Once a week remove and wash the filter with warm water and a mild soap and let it dry overnight. Under the filter is a permanently mounted steel screen filter. This filter will collect dust and dander. To clean it turn on the dryer and blow the dust through the screen. This will not damage the dryer. Replace the filter once a year or sooner if needed.

NEVER OPERATE THE DRYER WITHOUT THE FILTER IN PLACE!

■ ■ About Your Tornado® Force Dryer

The Tornado® force dryer is capable of 124 CFM (cubic feet per minute) and 28,000 FPM (feet per minute) of air movement with the nozzle attached and comes standard with a toggle on/off switch. This can be conveniently upgraded to variable speed for an additional cost.

Please fill in the following information for your records.

Serial Number: _____

Purchase Date: _____

■ ■ Hazards

Force drying is messy and noisy. Protect your hearing and your respiratory system. You should wear a face mask and ear plugs. Never force dry an animal that you have used a chemical dip on. Inhaling chemical dips can be fatal.

Using your force dryer to its full potential is very important. Force drying is safe, fast, and is inexpensive. It saves your energy and electric energy. When a dog or cat will not permit you to force dry, cage drying may be necessary. If you are going to cage dry, there are several necessary precautions. Be sure cages are well ventilated so fresh air can pass through continuously. Restricting air flow will suffocate the animal and constant heat will burn their skin. Metal and plastic cages hold heat so be sure to place a thick blanket on the floor of the cage and constantly observe the animal.

■ ■ Technical Support

Still having trouble performing maintenance or repairing your machine? Give us a call during normal business hours (8:00am-4:30pm EST) at 724-463-6101.

NOTE: Please have your serial number handy when calling for technical support! Your serial number is on a shiny silver sticker located either on the side or rear of your machine.

■ ■ Warranty Information

A One (1) Year Manufacturer's Defect Warranty is included from the date of purchase. Please Note: You must complete an online form (<https://www.clippervac.com/tech-support/product-registration-form/>) to activate your warranty within fifteen (15) days of receiving your unit.

If you have received a product from us and believe there is a manufacturer's defect and you have activated your warranty coverage within the allotted time frame, please call to speak with a representative for assistance. If the item is found to be defective it will be repaired or a replacement will be sent to you at no charge.

Shipping charges are the responsibility of the customer.

Schedule of Maintenance

(for your records only!)

Date:

Maintenance Performed:

Brushes Filter

Other: _____

Brushes Filter

Other: _____