

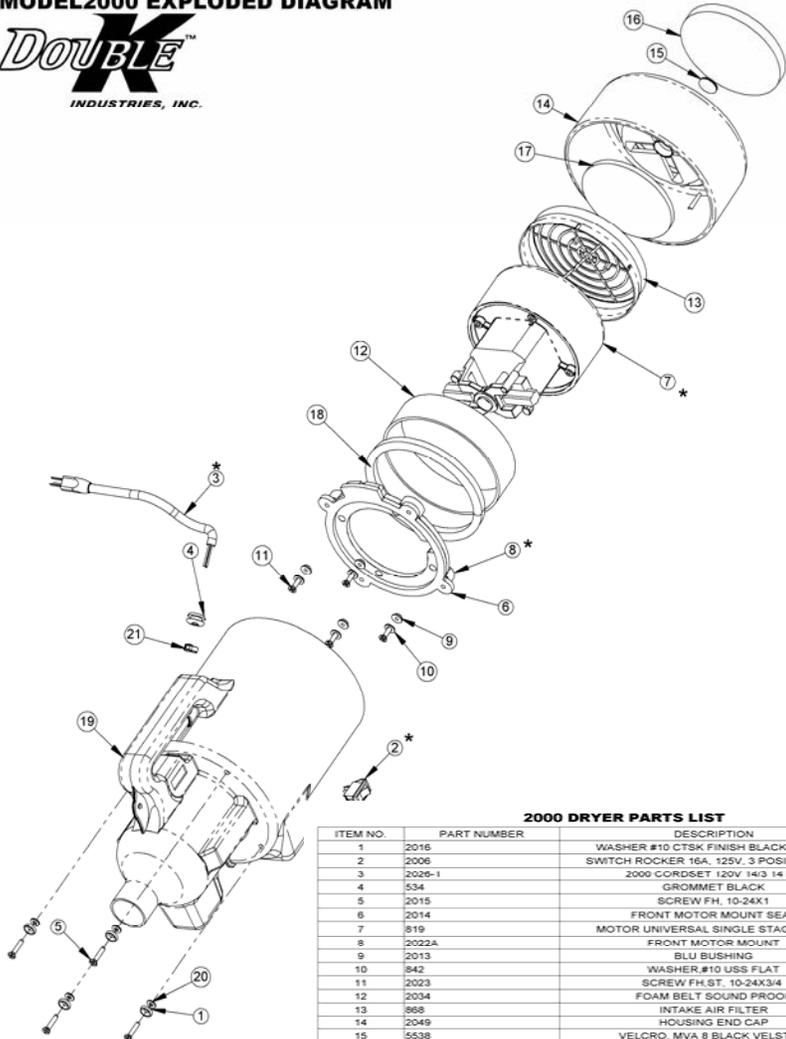
MODEL 2000 EXPLODED DIAGRAM



CHALLENGAIR 2000AD

CHALLENGAIR 2000EV

CHALLENGAIR 2000Plus Animal Dryer & Vacuum



2000 DRYER PARTS LIST

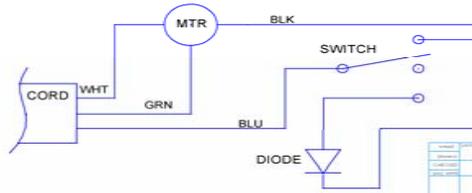
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	2016	WASHER #10 CTSK FINISH BLACK SS 18-8	4
2	2006	SWITCH ROCKER 16A, 125V, 3 POSITION RED	1
3	2005-1	2000 CORDSET 120V 14'3 1/4 FT	1
4	534	GROMMET BLACK	1
5	2015	SCREW FH, 10-24X1	4
6	2014	FRONT MOTOR MOUNT SEAL	1
7	819	MOTOR UNIVERSAL SINGLE STAGE 120 V	1
8	2022A	FRONT MOTOR MOUNT	1
9	2013	BLU BUSHING	4
10	842	WASHER #10 USS FLAT	4
11	2023	SCREW FH, ST. 10-24X3/4	4
12	2034	FOAM BELT SOUND PROOF	1
13	868	INTAKE AIR FILTER	1
14	2049	HOUSING END CAP	1
15	5538	VELCRO, MVA 8 BLACK VELSTICK	1
16	2027	FILTER INTAKE	1
17	2009	FOAM DISC, SOUND CONTROL	1
18	2082	U-CHANNEL, 56 x 37 MOUNT SEAL	1
19	2012B	HOUSING 2000	1
20	9028	WASHER #8 SAE FLAT PLATED	4
21	877	QUICK TIEWRAP	1

OPTIONS

ITEM 3	403	230V CORD EUROPEAN
ITEM 3	405	230V CORD EUROPEAN
ITEM 3	406	230V CORD EUROPEAN
ITEM 7	806	MOTOR 230V/50HZ
ITEM 7	815	BRUSH 110V
ITEM 7	880	BRUSH 230V/50HZ

* MOTOR GASKET SOLD SEPARATELY
* SWITCH SOLD AS AN ASSEMBLY

WIRING DIAGRAM



Please read all instructions and safety precautions before operating product! Save for future reference.

Product specifications: Models 2000AD & 2000AD Plus vacuum

Voltage: 115 Amps: 9.11 Horse Power: 3 Watts: 1048 Air Volume: 124 CFM

Voltage: 230 Amps: 4.56 Horse Power: 3 Watts: 1048 Air Volume: 124 CFM

Important Safeguards

Warning- Important Safety precautions! Please read completely before using product! Do not use vacuum or water or liquids. When using electrical appliances, especially when children or pets are present, basic safety precautions should always be followed to reduce the risk of fire, Electrical shock and personal injury including but not limited to the following:

1. Do not leave dryer or animal unattended while product is in use. Check animal regularly during drying.
2. Unplug dryer/vac when not in use.
3. Do not use extension cords with dryer.
4. Do not unplug unit by pulling on cord.
5. Do not expose dryer to rain or water.
6. Do not use or store dryer where it can fall or be pulled into tub or sink or standing water. If dryer falls into water...unplug it do not reach into the water!
7. Unplug unit before attempting any maintenance or service.
8. Do not put any object into dryer or dryer openings.
9. Keep loose clothing, jewelry and hair away from dryer openings.
10. Do not direct dryer air towards eyes or ears of people or pets.
11. Never use dryer if it has a damaged cord or plug, if it has been dropped or damaged, or exposed to rain or water. Return to manufacturer for service
12. This product is for use on animals only.
13. Recommended operation by adults only. Use caution when working around children.
14. Do not use attachments not recommended by the manufacturer.
15. Do not operate without filter in place. Keep filter clean as a dirty filter may limit air intake and damage the motor or cause overheating.
16. Plug only into a properly grounded outlet. Always make sure the amperage rating of the electrical outlet is sufficient for the amperage of the product. (Read cover of this manual for the amperage rating of this dryer)
17. Do not use product for anything other than its intended use.
18. Do not attempt to perform any service or maintenance not outlined in this manual. Contact Double K Industries or an authorized service center if additional service is Do not attempt any product modifications or alterations. Do not use if any part or switch is damaged- send to a Double K Service center or Double K for service.
19. When servicing, use only Double K parts.

Congratulations! You've just purchased the Challengair 2000A.D. Animal Dryer, the Challengair E.V. Equine Vacuum or the Challengair 2000Plus Pet Dryer and Vacuum. All offer great versatility to make all of your grooming tasks easier.

A warranty card is included with your product and should be filled out completely and mailed to Double K Industries within 30 days of purchase to validate your warranty. Your Challengair 2000 or 2000Plus

has a two year limited warranty covering the unit against defects in materials and workmanship. See warranty card for complete warranty information and exclusions.

Your **Challengair 2000AD** or **2000Plus** has a brush type motor. It is important that the brushes be changed when they become worn down to prevent damage to your dryer motor. We suggest checking the motor brushes after every 600 hours of use. Please see section on "brush changing" in this manual for instructions.

A note about dryer heat: Your **Challengair 2000AD/2000Plus** has no heating element. It produces heat by a "flo-thru" motor system meaning the air is pushed through the motor and is warmed by the natural heat of the motor that occurs during operation. This means greater temperature after about 2-4 minutes of operation. Obviously, the greater the room temperature, the warmer the air from the dryer.

Assembly

To attach hose for drying: Insert the gray hose adapter on the end of the hose firmly into the air outlet snout. (Rotating while pushing is helpful. This is a tight fit but it will go in. Running the nozzle under hot water for about 30 seconds will soften it and make it easier to insert into the snout.)

For **Challengair 2000Plus** or **2000EV** Vacuum models only:

To attach hose for vacuuming: Insert gray hose adapter into the hole in the back of the unit.

Attachments: Your dryer/vacuum is equipped with one hose, 3 twist on nozzles, one slip-on super velocity nozzle, and one cage attachment. Vacuum models also include on claw nozzle and one crevice tool. Equine vacuum models also include a curry vacuum brush.

Removing and attaching nozzles: All threaded nozzles are reverse thread and are attached directly to the hose. Turn clockwise to remove, counterclockwise to attach. To attach super velocity nozzle, first attach high velocity nozzle to hose and then slip the Super Velocity Nozzle onto the high velocity nozzle.

For Equine models only: To attach the curry vacuum brush to the hose for vacuuming, attach the high velocity nozzle to the hose end and then slip the curry vacuum brush onto the high velocity nozzle.

Operation- Switches and Controls

- 1) Single speed- Two position switch
Right Position- Off Left Position- On
- 2) Two Speed Unit- Three position switch:
Middle position-Off Left Position- High
Right position- Low

Maintenance (all models)

Filter Cleaning: The motor filter of the unit must be kept clean. If it becomes heavily coated with hair and debris, it could reduce both the dryer air and the vacuum suction. (Never run unit without filter in place.)
TO CLEAN FILTER: a) Unplug unit b) Remove the back cover from the motor by turning and pulling off. c) On vacuum units- remove the vacuum bag. d) Remove the motor filter disk from the motor by turning and pulling off. e) Clean motor filter disk by vacuuming off or wash filter in cool water. Shake off excess water and allow to dry completely. f) Replace filter disk on motor by pushing in place. g) Replace the back cover on the unit.

Cleaning Dryer Interior

Hair and dust will accumulate inside the dryer. Blow clean as needed using a **Challengair Forced Air Dryer** or suitable high pressure air outlet.

Cleaning Vacuum bags (model 2000plus or 2000EV vacuum units only)

Remove the back cover from the vacuum. This is a compression fit and will pull off. Remove old vacuum bag and dispose of in wastebasket. Install new bag and replace dryer back cover. To order replacement vacuum bags, part #2075 (pkg of 5 bags) contact Double K Industries. Use only Double K replacement vacuum bags in the **Challengair 2000Plus**

Motor Brushes

Your **Challengair 2000AD/ 2000Plus** has a brush-type motor. The brushes should be checked for wear after every 600 hours of use. If the carbon-brush is worn shorter than ¼ of an inch, the brush should be replaced. Brushes may be ordered from Double K Industries or an authorized service center.

To check and/or replace brushes:

- 1) Unplug electrical cord from the wall outlet. 2) Remove the back cover from the unit. 3) Loosen the four screws on the outside of the dryer that hold the motor in place. 4) Remove the motor from the dryer housing. The brushes are now visible and accessible. 5) Remove tab from the brush bracket assembly using a flat blade screwdriver to push out (fig.2) 6) Loosen and remove the two screws in the brush bracket and remove both the bracket and the brush. 7) Blow motor assembly clean using high pressure air. 8) Insert new brush assembly in place and replace brush bracket over assembly, install tighten the two screws. 9) Insert the brush tab into the new brush assembly. 10) Repeat for other side. 11) Slide the motor back into the dryer housing. Align the screw channels and replace the four screws evenly and securely, but do not over tighten. 12) Replace back plate.

Any maintenance not explained in this manual should be performed by **Double K Industries**. Call **Double K Industries** for the name of the service center nearest you. All warranty service must be performed by an authorized service center to protect your warranty status.