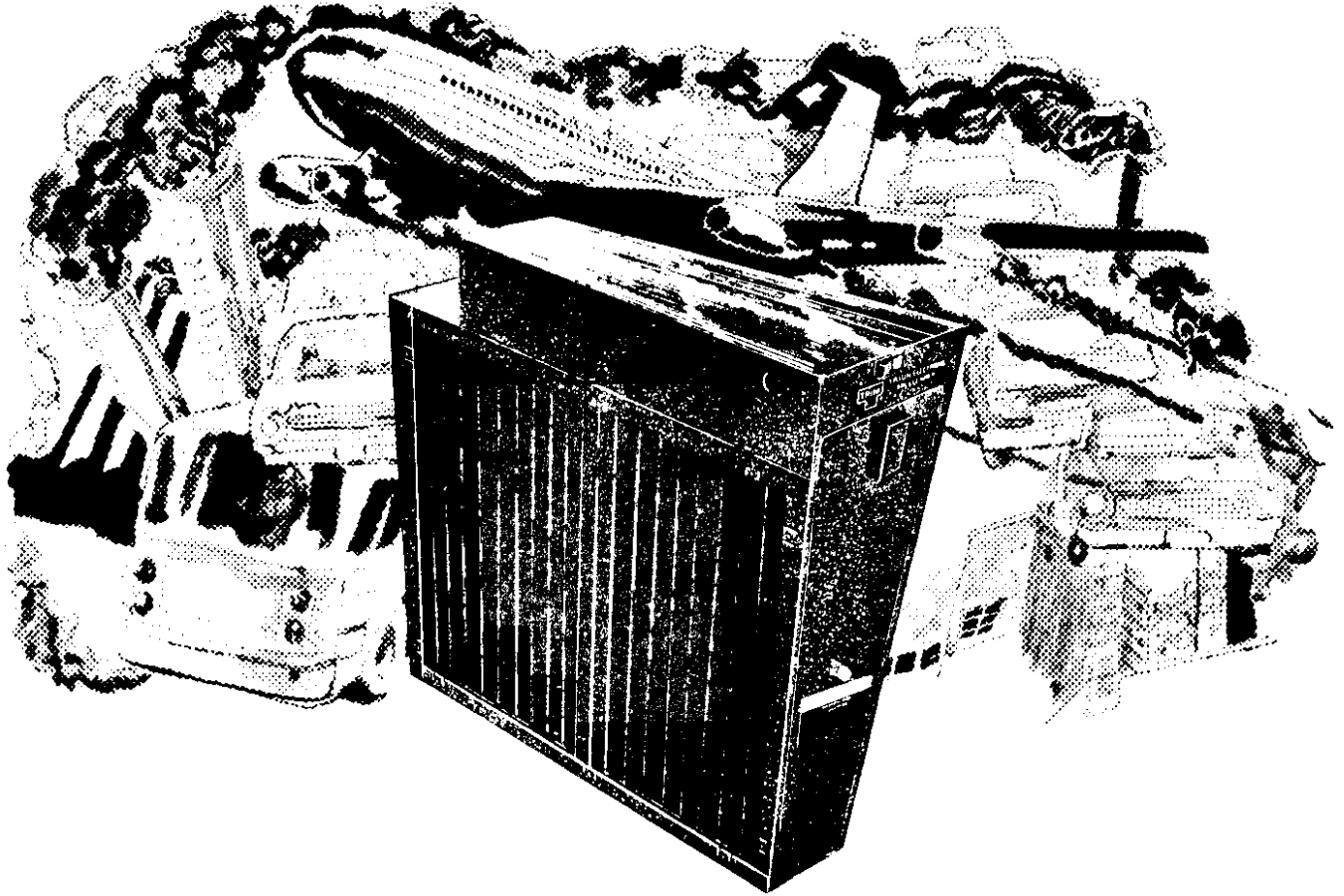


TRIM TRION[®] ELECTRONIC AIR CLEANER



OWNERS MANUAL



TRION, INC.
SANFORD, NORTH CAROLINA 27330

DEAR OWNER:

Congratulations on your choice of a Trion Electronic Air Cleaner. You can now look forward to years of clean air living. As you become better acquainted with your electronic air cleaner we believe you will agree that it is one of

the best investments you have ever made.

The following is a short story on the operation of your electronic air cleaner and tips on how to obtain maximum performance from your unit.

WHAT IS YOUR ELECTRONIC AIR CLEANER?

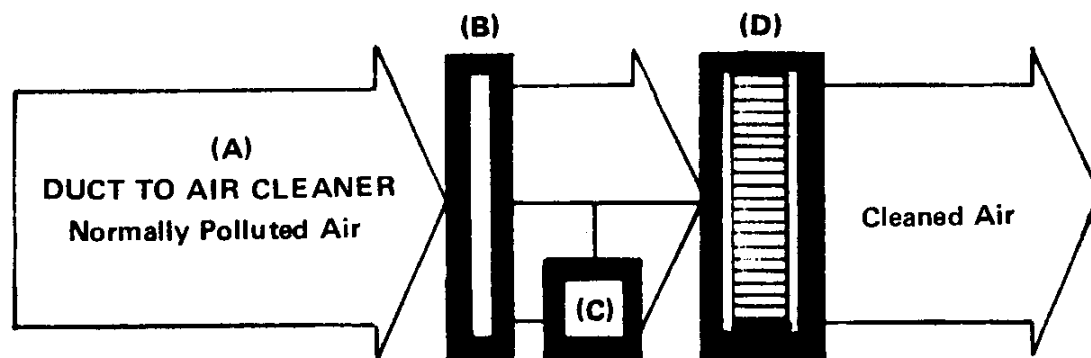
Your air cleaner is a high efficiency air filtration device designed to remove dirt, dust, smoke, germs and pollen from the air passing thru it. For the

messy dirt collecting job it is given to perform, you will be surprised at the simplicity of its operating principle and care.

HOW IT OPERATES

Dirt laden air enters the air cleaner by way of the return air system (a). Particles in the air are given an electrical charge supplied by the power pack (c), as they pass thru the ionizer (b). They are then attracted to and collect on aluminum plates (d) much the same as

iron fillings are attracted to a magnet. Periodically, the collected dirt must be removed. Dirt removal is accomplished by sliding the dirt collecting elements from the cabinet and washing them in a dishwasher, stationary tub, shower stall or other convenient means.



OPERATION

Your electronic air cleaner should operate only when the blower in your heating and cooling system is operating.

On/Off Indicating Light Switch

An on/off indicating light switch is located in the center of the power pack directly above the access door. When performing any maintenance work on the air cleaner, the switch should be placed in the off position. After the air cleaner has been properly installed and the switch is placed in the on position the indicating light will glow continuously to show that the electrical system of the unit is operating properly. Normally your air cleaner is wired to operate only when the system blower is in operation. When the blower stops, the air

cleaner will normally de-energize and the indicating light will go out. If the light is not on and the blower is in operation and the access door is completely closed, or if there is a continual snapping or arcing noise, the air cleaner is in need of attention.

Swell Latch Door Handle

In addition to retaining the door, the swell latch handle closes a safety switch which allows input line voltage to reach the power pack. When closing the door, it is important that the swell latch is completely secured so that the safety switch will close.

Push-To-Test Button

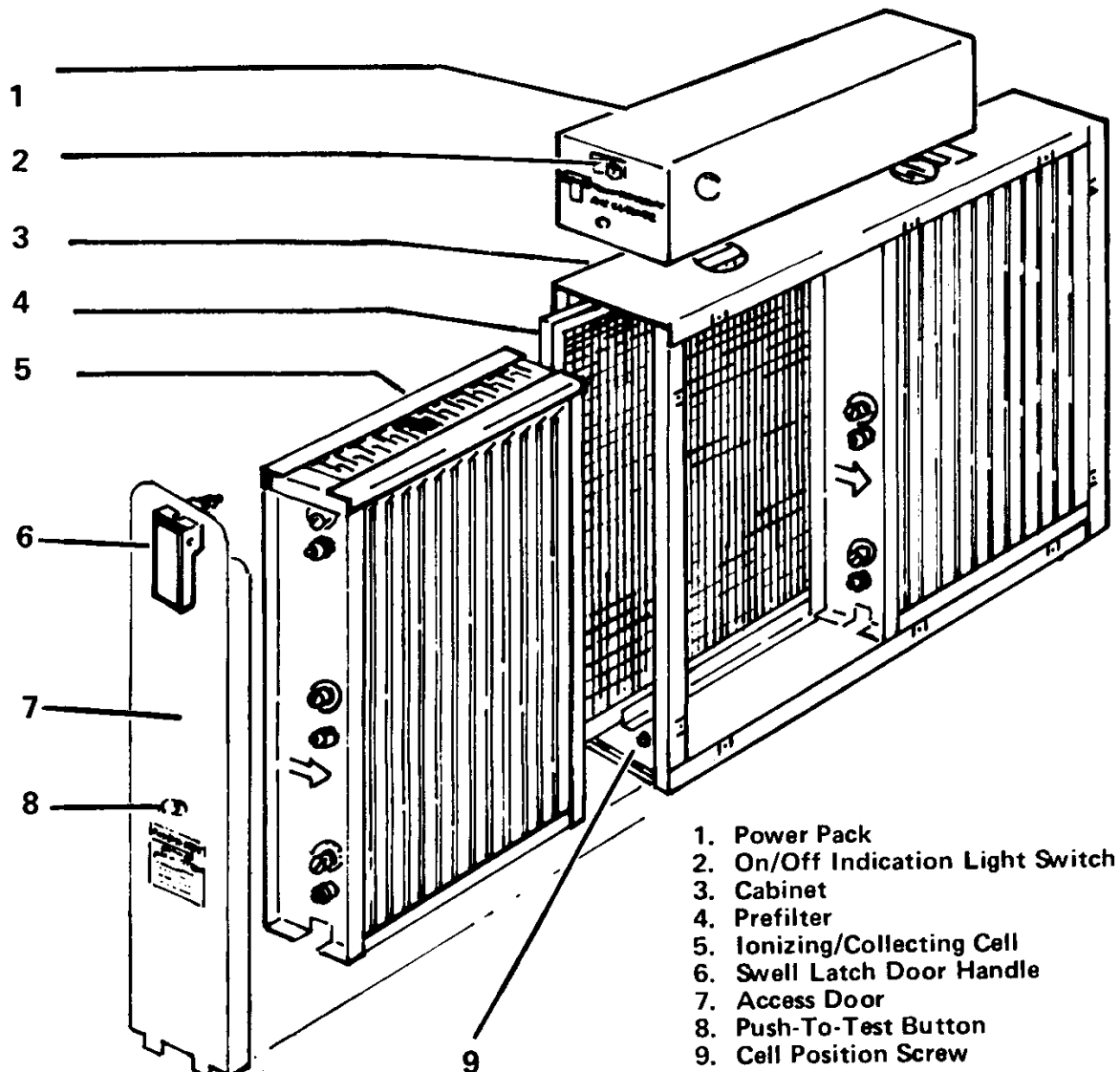
A push-to-test button is located in the center of the access door. When the button is depressed a snapping, crackling sound will be heard indicating that

the collecting cells are receiving voltage from the power supply.

Arcing (Snapping or Crackling Noise)

An occasional arcing noise may be emitted from the air cleaner. This is a normal reaction caused by an excep-

tionally large piece of dirt, lint etc., entering the collecting elements. Also, an arcing noise may be noted after washing. Should this happen, allow more drying time. (see step three of the service checklist in the owners manual for additional causes of arcing.)



MAINTENANCE

When To Wash

Periodically the dirt collected by your air cleaner must be removed from the collecting cells. The frequency of washing will depend upon the amount of dirt present in the air in your locality.

Frequent washings are in no way harmful to your unit, but prolonged use without cleaning will decrease its dirt collecting efficiency.

The washing frequency best suited for your unit can be determined by examining the dirt collected at three-week intervals. As the dirt begins to collect, you will first notice a light film on the air entering side of the collecting

cells. When there is a noticeable build-up of dirt, it is time to wash.

Generally the lint screen located on the air entering side of the cabinet, will require cleaning more often than the ionizing-collecting cells. This is because the lint screen collects larger particles, such as lint, animal hair, etc., which tends to build-up faster than the smaller particles of dust, pollen and smoke that are collected by the collecting plates. The washing schedule could, therefore, be as follows: (1) lint screen-once every four weeks, (2) ionizing collecting cells every eight weeks.

SERVICE CHECKLIST	
PROBLEM	POSSIBLE CAUSE
1. Indicating light out.	A. Switch "OFF" B. Door not fully closed
2. Heavy arcing noise after washing.	A. Collecting elements still wet. Allow more drying time. B. (See continuous arcing noise below)
3. Continuous arcing noise.	A. Extremely dirty collecting elements. B. Loose ionizing wire. C. Bent collector plate(s). D. Large piece of dirt or foreign material lodged between plates
IF PROBLEM CANNOT BE DETERMINED OR CORRECTED, CALL THE INSTALLING CONTRACTOR.	

STEPS FOR WASHING

1. Turn on/off indicating light switch to off position.
2. Press the push-to-test button until no arcing is heard.
3. Remove access door, slide out lint screen and collecting cells and replace door.
4. To facilitate washing, place components in automatic dishwasher, stationary tub, shower stall or over floor drain. Use hot soapy water and rinse thoroughly. As an aid to drying rinse with clear hot water. Allow components to dry thoroughly. (Ionizing wires are easily broken. Handle the cells with care.)
5. Remove access door and slide lint screen in retaining channel on air entering side of cabinet. (Usually the side away from the furnace)
6. Slide collecting cells into cabinet with directional "airflow" arrows pointing in direction of airflow.
7. Replace access door.
8. Turn on/off indicating light switch to the on position.
9. If arcing noise occurs due to wet cells, turn switch off and allow more drying time.
10. The indicating light will glow with the system blower operation. If there are any problems refer to the service checklist.

AIR CIRCULATION

Since your air cleaner cleans only the air which is brought to the unit by your ventilation system, good air circulation is important for efficient cleaning as well as heating and cooling.

Do not hinder air circulation by blocking the air outlets and returns with

draperies, furniture, etc.

Constant air circulation is recommended by heating and ventilating engineers. The best overall cleaning is achieved by maintaining continuous blower action.

WHITE DUST

Occasionally a "whitedust" might be noticed in bedrooms or newly furnished rooms. This is mainly composed of lint, which because of its weight, settles out of the air before it reaches your unit.

This dust is not mixed with airborne dirt, therefore, it is clean and has no staining or soiling properties. It will lessen as the excess lint works out of the fabric.

SAFETY

Your air cleaner is safe. The high voltage electricity employed by the unit is similar to that used by the spark plugs in your car. A safety switch disrupts the power when the cabinet access door is removed preventing access without automatically shutting off the entire unit.

PERIODIC INSPECTION

For highest performance a periodic inspection and cleaning of your air cleaner by your service man is recommended once every one or two years at the beginning or completion of the heating season.

With proper care your air cleaner will last a "housetime".