



Walker Airsep® Maintenance

www.walkerairsep.com

818-252-7788

Introduction

Regular cleaning of your Walker Airsep® filter is important. Failure to clean the Airsep® filter and the Vacuum Regular/Limiter air filter will affect the operation of the Airsep® unit and may cause damage to the engine.

The Walker Airsep® filter's size and appearance varies from engine to engine. Some are tapered cylinders and others are straight. Generally speaking, the filter is fairly large and is easily visible. Its fine-wire-mesh outer side is ribbed. When clean and oiled, the filter element is purplish in color. The Vacuum Regular/Limited filter is smaller (2 3/4" x 3") and should be cleaned at the same time as the Airsep® filter.



Tapered Airsep® filter



Straight Airsep® filter



Vacuum Regulator/
Limiter filter

Note: A filter that is damaged or clogged with soot due to an exhaust leak may not be able to be cleaned to maximum flow condition. Replacement of the element may be necessary.

Maintenance schedule

The Walker Airsep® Air Filter element should be cleaned every 250 hours of operation or once a year, whichever comes first. The air filter element should be replaced after three cleanings. The Vacuum Regulator/Limiter filter must also be cleaned every 250 hours. In addition to a regular maintenance schedule, the air filter element and the Vacuum Regulator/Limiter filter must be cleaned any time the Restriction Indicator on the Airsep® unit turns red.



Restriction indicator

Cleaning supplies and replacement parts

Walker Cleaning & Re-oiling Kit—P/N DDF9000—cleans up to 4 (9" x 12") elements

Spring-Clip Tool—P/N ST500196 (recommended for ease in removing and re-attaching the spring clips)

Main Airsep® filter—call 818-252-7788 for specific filter for your engine

Vacuum Regulator/Limiter filter—P/N CD180

For other parts, call or visit www.walkerairsep.com



Spring-clip tool

Cleaning Procedure

1 Pre-cleaning the Airsep® filter

Remove the spring clips. The filter should fall away from the Airsep® unit. If it does not, use a plastic putty knife or a credit card to free it by sliding the corner of the plastic knife or card between

the filter and the metal. Work the plastic all around the perimeter of the filter. Then twist the filter without using too much force. If it doesn't fall free, run the plastic edge around again, going a little deeper into the groove. (Note: it is not essential to remove the end cap to clean the filter.)

Once the filter is free, tap the filter element to dislodge any large embedded particles of dirt/dust. Then gently brush the filter element with a soft bristle brush. (Note: If complete cleaning at this time is impractical, you may re-oil and reinstall the air filter element.)

2 Cleaning the filter

Spray the Walker Air Filter Cleaner on the filter element and let stand for ten minutes. Large filters can be rolled or soaked in a shallow pan of solution for ten minutes (dilute the solution with a small amount of water).

Do NOT use the following methods or liquids for cleaning the filter element:

- NO gasoline
- NO steam
- NO caustic cleaning solutions
- NO high-pressure water or air
- NO parts-cleaning solvents

3 Rinsing the filter

Rinse off the filter element with low water pressure. Tap water is OK. Always flush from the clean side to the dirty side. This will *remove* the particles and dirt and not drive them into the filter.

4 Drying the filter

After rinsing, shake off all the excess water and let the filter element dry naturally. Leaving it outside in the sun will speed the process. Do NOT do any of the following:

- Do NOT use compressed air
- Do NOT use open flame
- Do NOT use heat dryers

5 Re-oiling the filter

After cleaning, *always* re-oil the filter element with Walker Air Filter Oil before using. The effectiveness of the air filter is greatly reduced if it is used without oiling. Sparingly squeeze small amounts of the oil out of the bottle across the top of each pleat. Let the oil wick into the filter element for twenty minutes. Then re-oil any white spots that are still showing. Do NOT use any of the following lubricants to re-oil the filter element:

- NEVER use automatic transmission fluid
- NEVER use motor oil
- NEVER use diesel fuel
- NEVER use WD-40®
- or any other lightweight oil

Cleaning the Vacuum Regulator/Limiter filter

Remove the Vacuum Regulator/Limiter filter by loosening the clamp and sliding the filter unit off the unit. Clean the filter element and its base by following Steps 1-5 above.

Resetting the Restriction Indicator

After cleaning both filters, depress the button on top of the Restriction Indicator. Check it periodically. If the Indicator shows red, the filters need cleaning.