



PowerPleat 05 servicing information is provided as a best practices guide. It is not intended to replace or supersede the service instructions supplied by your engine or vehicle manufacturer.

1 Check the Restriction

Replace the filter only when the restriction level has reached the maximum recommended by the engine or equipment manufacturer or on a regular service schedule.



2 Clean Out the Vacuator™ Valve

If your air cleaner is equipped with a Vacuator™ Valve, visually check and physically squeeze it. Make sure the valve is flexible and not inverted, damaged or plugged. If damaged or missing, replace it.



3 Remove the Primary filter

Make sure engine is shut off. Pull orange latch handle outward from service cover, rotate cover counterclockwise until it stops turning, pull the cover straight away from the air cleaner body.

Grasp the end of the primary filter and pull it from the air cleaner while applying a slight side to side motion. **Do not** try to rotate the filter when removing it from the air cleaner.



4 Visually Check the Safety Filter and Clean Both Surfaces of the Outlet Tube

If your air cleaner has a safety filter, visually check it for signs of damage while in place. Do not remove the safety filter unless it is damaged or due for replacement. Also verify that the safety filter is properly seated in the housing.

The safety filter should be replaced every three primary filter changes, unless it has become excessively contaminated. Should it be necessary to wipe excessive contaminant from the primary seal surface, remove the safety element, block the outlet tube with a damp towel to gain access to clean primary seal surface. Inspect the outlet tube sealing area to make sure it is undamaged.

Contaminant on the sealing surface could hinder an effective seal and cause leakage. If the safety filter is to be replaced, avoid leaving the outlet tube exposed to the air. If there is to be a delay in installing the new safety filter, cover the air cleaner outlet tube to avoid admitting any dust.



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5 Inspect the Old Filter and New Filters

Inspect the old primary filter for any signs of leaks. A streak of dust on the inside of the filter is a telltale sign of a possible leak.

If you suspect a possible leak, verify the safety element is in good condition as it may need to be changed as well. If there is no safety element, make sure that there is no dust trails in the outlet tube. Also make sure to follow Step 8 to ensure all connections are tight so that dirty outside air cannot bypass the air cleaner.

Inspect the new filter for any damage that may have occurred through mishandling. NEVER install a damaged filter. Visually check the inside of the open end, which is the sealing area.

Do not wipe the filter's sealing area. PowerPleat filters have a lubricant on the seal to aid installation.



6 Insert the New Filter

First, if you're servicing the safety filter at this change-out, grasp the end of the filter and pull it out of the air cleaner while applying a slight side-to-side motion.

Block the outlet tube of the air cleaner using a small dampened towel prior to cleaning the seal and locking surfaces to avoid contaminating the induction system. With a clean damp cloth, thoroughly clean the inside of the housing, seal and locking surfaces if required.

After removing the dampened towel, seat the new safety filter properly into position by aligning the open end of the filter with the inside diameter of the outlet tube. Push filter into outlet tube while applying a slight side to side motion on the filter until it is fully seated in the tube.

Insert new filters carefully. To install primary filter, insert filter into air cleaner while rotating it until you feel the alignment ribs on the inside of the filter drop into the receiving slots in the outlet tube.

No cover pressure is required to hold the seal in place and you should NEVER use the service cover to apply pressure. This could damage the housing and fasteners and void the warranty. If the service cover presses against the filter before the cover is fully in place, the filter is not properly seated. Remove the cover and make sure the alignment ribs have connected with the receiving slots. Filters must be properly seated in order for service cover to be properly installed. Once the filter(s) is in place, secure the service cover.



If you perform filter maintenance service on a schedule versus using service indicators, you may want to write the service date on the end cap of both filters.

7 Install Service Cover

Slide cover onto the end of the air cleaner body with the vacuator valve positioned slightly counterclockwise from vertical until cover stops on end of body. Rotate the cover clockwise until it stops, and then push the latch handle into the cover. For best vacuator valve performance, it should be located in the six o'clock position.



8 Check Connectors for Tight Fit

Make sure service indicators are reset and in proper working order. Check that all mounting bands, clamps, bolts, and connections in the entire air cleaner system are tight. Check for holes in piping and repair or replace as needed. Any leaks in the intake piping will admit dust directly to the engine.

