

Stens 102-992

Stens 102-992 Air Filter Combo Instruction Manual

Model: 102-992

1. PRODUCT OVERVIEW

The Stens 102-992 Air Filter Combo is a replacement air filter and pre-filter designed for specific lawn and garden equipment engines. This combo ensures optimal engine performance by filtering out dust and debris, protecting internal engine components from wear.



Image 1.1: The Stens 102-992 Air Filter Combo, showing the main filter and pre-filter assembled.

Key Features:

- Includes main air filter and pre-filter.
- Designed for 15-22 HP engines.
- Dimensions: Length with Tab: 8 1/8", Height: 1 3/8", Length: 7 5/8", Width: 5 3/8".

2. SPECIFICATIONS

Detailed specifications for the Stens 102-992 Air Filter Combo are provided below:

Specification	Value
Description	Air Filter Combo
Length with Tab	8 1/8 inches
Height	1 3/8 inches
Length	7 5/8 inches
Width	5 3/8 inches
Includes	Pre-filter

Specification	Value
Item Weight	4.2 ounces
Manufacturer	Stens
Item Model Number	102-992
UPC	023899561834

3. COMPATIBILITY

This air filter combo is compatible with the following equipment and engine models:

Replaces OEM Numbers:

- **Cub Cadet:** KH-20 883 02-S1
- **Kohler:** 20 083 02, 20 883 02, 20 883 02-S, 20 883 02-S1, 20 883 06-S1

Compatible With/Replacement For:

- **Cub Cadet:** LTX1040 and LTX1045
- **Kohler:** SV470 through SV620; Courage single series; for 15-22 HP engines
- **Toro:** 13AX60RG744 and 13AX60RH744 lawn tractors

4. INSTALLATION (SETUP)

Proper installation of the air filter is crucial for engine longevity and performance. Always refer to your equipment's specific service manual for detailed instructions and safety precautions.

General Installation Steps:

1. **Safety First:** Ensure the engine is turned off and cool. Disconnect the spark plug wire to prevent accidental starting.
2. **Locate Air Filter Housing:** Identify the air filter housing on your engine. It is typically a plastic or metal cover secured with clips or screws.
3. **Remove Old Filter:** Open the air filter housing and carefully remove the old air filter and pre-filter. Note their orientation.
4. **Clean Housing:** Clean any dust or debris from inside the air filter housing using a clean cloth or compressed air. Ensure no debris falls into the carburetor or engine intake.
5. **Install New Pre-filter:** Place the new pre-filter (foam filter) over the new main air filter.
6. **Install New Air Filter Combo:** Insert the new air filter combo into the housing, ensuring it seats correctly and forms a tight seal.
7. **Secure Housing:** Close and secure the air filter housing cover.
8. **Reconnect Spark Plug:** Reconnect the spark plug wire.



Image 4.1: The main air filter and its accompanying pre-filter, shown separately for installation.

5. MAINTENANCE

Regular inspection and replacement of your air filter combo are essential for maintaining engine health and efficiency. A dirty air filter can restrict airflow, leading to reduced power, increased fuel consumption, and potential engine damage.

Maintenance Guidelines:

- **Inspection Frequency:** Inspect the air filter every 25 hours of operation or annually, whichever comes first. In dusty conditions, inspect more frequently.
- **Cleaning the Pre-filter:** The foam pre-filter can often be cleaned. Wash it in warm, soapy water, rinse thoroughly, and allow it to air dry completely before re-oiling (if required by your engine manufacturer) and reinstalling. Do not clean the paper main filter.
- **Replacement:** Replace the entire air filter combo (main filter and pre-filter) if the main paper filter appears dirty, damaged, or clogged, or if cleaning the pre-filter does not restore its effectiveness.
- **Signs of a Clogged Filter:** Look for symptoms such as reduced engine power, difficulty starting, rough running, or excessive black smoke from the exhaust.



Image 5.1: Bottom view of the Stens 102-992 Air Filter, showing the filter media and frame.

6. TROUBLESHOOTING

If you experience issues with your engine's performance after installing or maintaining the air filter, consider the following:

- **Engine Runs Poorly/Lacks Power:**
 - Ensure the air filter is clean and not clogged.
 - Verify the air filter housing is properly sealed. An improper seal can allow unfiltered air into the engine.
 - Check if the correct filter model is installed for your engine.
- **Engine Not Starting:**
 - While less common for a new filter, a severely clogged filter can prevent starting. Ensure the filter is clean.
 - Confirm the spark plug wire is securely reconnected.
- **Excessive Smoke:**
 - If the pre-filter was oiled, ensure it was not over-oiled, as excess oil can restrict airflow and cause smoke.
 - A very dirty filter can also contribute to rich fuel mixture and smoke.

If these steps do not resolve the issue, consult your equipment's service manual or a qualified technician.

7. SUPPORT

For further assistance, technical support, or warranty information regarding your Stens 102-992 Air Filter Combo, please contact Stens customer service or visit the official Stens website. Always provide your product model number (102-992) when seeking support.

You can find more information and contact details on the [Stens Brand Store](#).

