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Iseki 1809-104-602-00

Iseki Genuine Air Cleaner Filter User Manual

Model: 1809-104-602-00

1. PRODUCT OVERVIEW

This manual provides essential information for the proper use, installation, and maintenance of the Iseki Genuine Air Cleaner Filter, Part Number 1809-104-602-00. This air cleaner element is designed to ensure optimal performance and longevity of your agricultural machinery by effectively filtering air intake.



Figure 1.1: The Iseki Genuine Air Cleaner Filter (Part No: 1809-104-602-00) shown alongside its product packaging. The filter is cylindrical with a perforated metal exterior and a yellow filter medium visible inside. The box displays the Iseki brand and part number.

2. PRODUCT SPECIFICATIONS AND COMPATIBILITY

The Iseki Genuine Air Cleaner Filter is a critical component for maintaining engine health by preventing dust and debris from entering the engine's combustion chamber. It is specifically designed for the following applications and models:

- **Product Name:** Air Cleaner Element
- **Part Number:** 1809-104-602-00 (also referred to as 180910460200)
- **Type:** Air Cleaner Cartridge, Air Cleaner Filter
- **Application:** Designed for use in Iseki Tractors and Combines.

2.1. Compatible Models

This air cleaner filter is compatible with the following Iseki Tractor and Combine models. Please verify your equipment's model number before purchase and installation to ensure proper fit and function.



Figure 2.1: A detailed view of the product label on the filter's packaging, clearly showing the "ISEKI" brand, "PART CODE 1809-104-602-00", and "FILTER" description. This label confirms the authenticity and part number of the filter.

Table 2.1: Compatible Tractor and Combine Models

Series	Models
NTA Series	NTA40, NTA45, NTA50, NTA55, NTA403, NTA453, NTA503, NTA543, NTA603, NTA435, NTA465, NTA505, NTA555, NTA605

Series	Models
NT Series	NT43, NT48, NT55, NT433, NT483, NT543, NT603, NT435, NT465, NT505, NT555, NT605

Important Note: Always confirm compatibility with your specific equipment model before ordering or installing the filter.

3. SETUP AND INSTALLATION

Proper installation of the air cleaner filter is crucial for its effectiveness and the protection of your engine. Refer to your equipment's specific service manual for detailed, model-specific instructions. The following are general guidelines:

- 1. Preparation:** Ensure the engine is turned off and cooled down. Locate the air cleaner housing on your tractor or combine.
- 2. Accessing the Filter:** Open or unlatch the air cleaner housing cover. This may involve releasing clips, unscrewing bolts, or rotating a locking mechanism.
- 3. Removing the Old Filter:** Carefully pull out the old air cleaner filter. Be mindful not to dislodge any accumulated dirt into the air intake duct. Inspect the housing for any debris and clean if necessary.
- 4. Installing the New Filter:** Insert the new Iseki Genuine Air Cleaner Filter (Part No: 1809-104-602-00) into the housing. Ensure it seats properly and creates a tight seal. Do not force the filter into place.
- 5. Securing the Housing:** Close and secure the air cleaner housing cover. Ensure all clips or bolts are fastened correctly to prevent unfiltered air from entering.



Figure 3.1: A side view of the cylindrical air cleaner filter, highlighting its perforated metal outer casing and the pleated filter media within. This design allows for efficient air flow while trapping contaminants.

Caution: Always wear appropriate personal protective equipment (PPE) during installation. Consult your equipment's manual for specific torque specifications for housing fasteners, if applicable.

4. OPERATING CONSIDERATIONS

Once installed, the air cleaner filter operates passively, continuously filtering air as the engine runs. No specific operational steps are required for the filter itself. However, it is important to be aware of conditions that may affect its performance:

- **Dusty Environments:** Operating in extremely dusty or dirty conditions will accelerate filter clogging and necessitate more frequent inspection and replacement.
- **Engine Performance:** A clogged air filter can lead to reduced engine power, increased fuel consumption, and excessive exhaust smoke.
- **Warning Indicators:** Some modern equipment may have dashboard indicators or sensors that alert the operator to a restricted air filter. Pay attention to these warnings.

5. MAINTENANCE

Regular maintenance of the air cleaner filter is vital for the longevity and efficiency of your engine. The primary maintenance task is timely replacement.

5.1. Inspection and Replacement Schedule

The replacement interval for the air cleaner filter varies depending on operating conditions and hours of use. Refer to your equipment's service manual for recommended intervals. As a general guideline:

- **Routine Inspection:** Visually inspect the filter element for excessive dirt accumulation, damage, or tears during routine maintenance checks (e.g., every 50-100 operating hours).
- **Replacement:** Replace the filter when it appears heavily soiled, damaged, or if engine performance issues (like power loss or increased fuel consumption) suggest air restriction. Do not attempt to clean paper filter elements by blowing with compressed air, as this can damage the filter media and reduce its effectiveness.



Figure 5.1: The bottom end of the air cleaner filter, showing the black rubber seal and structural elements. This end typically seals against the air cleaner housing to prevent unfiltered air bypass.

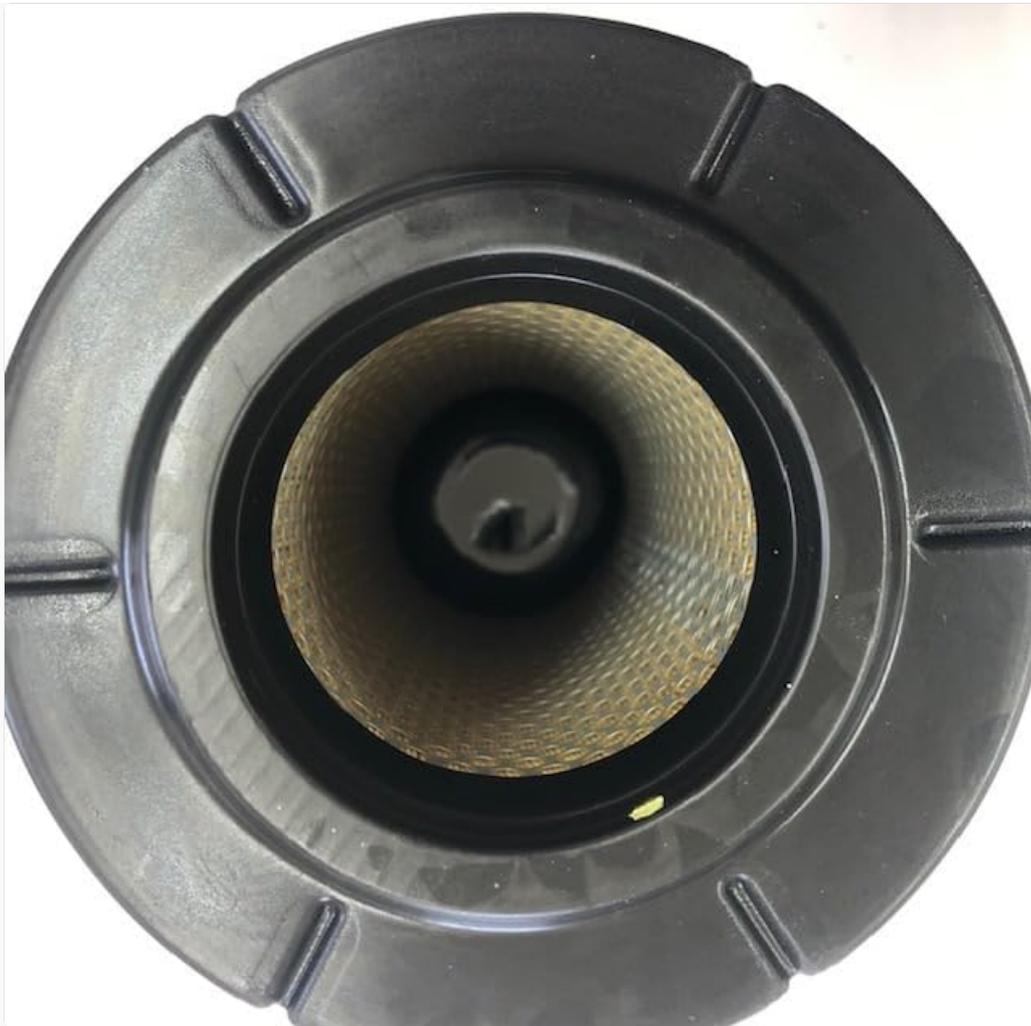


Figure 5.2: A view looking down into the top opening of the air cleaner filter, revealing the internal structure and the pleated filter media. This is where air enters before being filtered.

6. TROUBLESHOOTING

Most issues related to the air cleaner filter stem from it being clogged or improperly installed.

Table 6.1: Troubleshooting Guide

Symptom	Possible Cause	Solution
Reduced Engine Power	Clogged air filter	Inspect and replace the air filter.
Increased Fuel Consumption	Clogged air filter	Inspect and replace the air filter.
Excessive Black Smoke from Exhaust	Clogged air filter (rich fuel mixture)	Inspect and replace the air filter.
Unusual Engine Noises	Unfiltered air entering engine due to improper filter installation or damaged housing	Check filter seating and housing seal. Ensure housing is properly closed.

If symptoms persist after addressing filter-related issues, consult a qualified service technician.

7. WARRANTY AND SUPPORT

As an Iseki Genuine part, this air cleaner filter is manufactured to high standards. Specific warranty information for this component is typically provided with the original equipment or can be obtained from your authorized Iseki dealer.

7.1. Customer Support

For technical assistance, questions regarding compatibility, or to locate an authorized service center, please contact your local Iseki dealer or refer to the official Iseki website for contact information.

- **Official Iseki Website:** www.iseki.co.jp (Please note: This link is for general information and may not lead directly to support for this specific part in all regions. Consult your regional Iseki distributor for localized support.)