

## Bosch 5213WS

# BOSCH 5213WS Workshop Engine Air Filter Instruction Manual

Compatible with Honda Odyssey (2011-2017)

## 1. PRODUCT OVERVIEW

The BOSCH 5213WS Workshop Engine Air Filter is engineered to provide optimal engine protection and efficiency. This high-quality air filter is designed to prevent decreased fuel mileage, increased engine wear, and starting problems caused by dirty air filters.

Key features include:

- **Robust Particle Holding Capacity:** Constructed with a high number of pleats to effectively capture contaminants.
- **98% Filtration Efficiency:** Removes small particles from incoming air, safeguarding against engine wear.
- **Optimized Airflow:** High velocity cellulose cured media ensures minimum air resistance and even pleat distance for peak efficiency.
- **Durable Seal:** A high-quality polyurethane foam seal provides elasticity and sealing performance, protecting against water and heat intrusion into the air intake system.
- **Enhanced Engine Performance:** Ensures only the cleanest air reaches the engine for strong protection, high-performance, and better fuel efficiency.



Image 1: BOSCH 5213WS Workshop Engine Air Filter, front view.



Image 2: BOSCH 5213WS Workshop Engine Air Filter, angled view showing pleats.

## 2. SPECIFICATIONS

Attribute	Detail
Brand	Bosch

Model Number	5213WS
Product Dimensions	12"L x 7"W x 2"H
Item Weight	3.2 ounces
OEM Part Number	5213WS
UPC	077212220533
Automotive Fit Type	Vehicle Specific Fit
Compatible Vehicles	Honda Odyssey (2011-2017)

### 3. INSTALLATION INSTRUCTIONS

Replacing your engine air filter is a straightforward maintenance task. Always refer to your vehicle's specific service manual for detailed instructions and safety precautions. The following steps provide a general guide for replacing the engine air filter in a Honda Odyssey (2011-2017).

1. **Prepare the Vehicle:** Ensure the engine is turned off and cool. Open the hood and locate the air filter housing, typically a large black box connected to the engine's air intake.
2. **Disconnect Sensor (if applicable):** Some air filter housings may have a mass airflow sensor connected. Carefully unclip and disconnect any electrical connectors or hoses attached to the air filter housing to allow for easier access.
3. **Open the Air Filter Housing:** Release the clips or screws securing the air filter housing cover. There are typically 3-4 clips around the perimeter of the housing. Lift the cover to expose the old air filter.
4. **Remove Old Filter:** Carefully lift out the old, dirty air filter. Note its orientation for correct installation of the new filter.
5. **Clean Housing:** Inspect the air filter housing for any debris, leaves, or dirt. Clean the inside of the housing and the cover with a clean cloth or vacuum if necessary.
6. **Install New Filter:** Place the new BOSCH 5213WS air filter into the housing, ensuring it sits flush and correctly oriented. The polyurethane foam seal should create a tight fit.
7. **Secure Housing:** Reattach the air filter housing cover, ensuring all clips or screws are securely fastened. Make sure the cover is properly seated to prevent air leaks.
8. **Reconnect Components:** Reconnect any sensors or hoses that were disconnected in step 2.

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Video 1: General Engine Air Filter Replacement Guide. This video demonstrates the typical steps involved in replacing an engine air filter, including locating the housing, removing the old filter, and installing a new one.

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Video 2: Air Filter Replacement for Honda Odyssey (2011-2017). This video illustrates the before and after effects of replacing a dirty air filter, specifically for compatible Honda Odyssey models, highlighting improved airflow.

## 4. OPERATING PRINCIPLES

The engine air filter is a critical component of your vehicle's intake system. It filters incoming air, removing dust, dirt, pollen, and other airborne contaminants before they can enter the engine's combustion chambers. A clean air filter ensures a proper air-fuel mixture, which is essential for efficient combustion, optimal engine performance, and reduced emissions.

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Video 3: Engine Air Filter Features and Benefits. This video provides an animated overview of an engine air filter's construction, including dustproof packaging, premium polyurethane seal, uniform pleats, and multi-layer filtration technology, demonstrating its effectiveness in protecting the engine.

## 5. MAINTENANCE

Regular inspection and replacement of your engine air filter are crucial for maintaining engine health and performance. Dirty air filters restrict airflow, leading to reduced engine efficiency and potential damage.

- **Inspection Frequency:** Check your engine air filter at every oil change or at least every 12 months/12,000 miles, or as specified by your vehicle manufacturer.
- **Replacement Indication:** Replace the filter if it appears dirty, clogged with debris, or discolored. A clean filter is typically white or light-colored; a dirty filter will be gray or black.
- **Benefits of Replacement:** Replacing a dirty filter restores proper airflow, improves fuel efficiency, enhances engine performance, and extends engine life.

## 6. TROUBLESHOOTING

If you experience any of the following issues, a clogged or improperly installed air filter could be a contributing factor:

- Decreased fuel economy
- Reduced engine power or acceleration
- Engine misfires or rough idling
- Unusual engine noises
- Check Engine Light illumination

### Resolution:

- Inspect the air filter for cleanliness and proper installation.
- Ensure the air filter housing is securely closed and all connections are tight.
- If issues persist after verifying the air filter, consult a qualified mechanic for further diagnosis.

## 7. WARRANTY AND SUPPORT

Specific warranty details for the BOSCH 5213WS Workshop Engine Air Filter are not provided in this manual. For warranty information, product support, or technical assistance, please refer to the official Bosch Automotive website or contact Bosch customer service directly.

It is recommended to retain your purchase receipt for any warranty claims.