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Bosch D3511

Bosch D3511 Distance Plus High Performance Oil Filter User Manual

Model: D3511

INTRODUCTION

The Bosch D3511 Distance Plus High Performance Oil Filter is engineered to provide exceptional engine protection and extended oil cleanliness. Utilizing advanced synthetic fiber media, this filter is designed to hold significantly more contaminants than standard filters, ensuring your engine oil remains cleaner for longer periods. It is compatible with both synthetic and conventional motor oils and features robust construction for superior burst resistance.



This image shows the Bosch D3511 Distance Plus High Performance Oil Filter enclosed in its clear retail packaging. The packaging highlights key features such as 'Holds more DIRT', 'Keeps oil clean - longer', '99.9% efficiency', '300% greater capacity', and '2X's greater burst resistance strength'.

SAFETY INFORMATION

Always prioritize safety when performing automotive maintenance. Failure to follow proper safety procedures can result in injury or damage to your vehicle.

- Ensure the vehicle is parked on a level surface and the engine is cool before beginning any work.
- Use appropriate personal protective equipment, including safety glasses and gloves.

- Refer to your vehicle's owner's manual for specific instructions and torque specifications related to oil filter replacement.
- Dispose of used oil and filters responsibly according to local regulations.
- Avoid contact with hot engine components and fluids.

SETUP AND INSTALLATION

The following are general steps for replacing an oil filter. Always consult your vehicle's service manual for precise, model-specific instructions.

1. **Prepare the Vehicle:** Park the vehicle on a level surface, engage the parking brake, and allow the engine to cool completely. Raise the vehicle safely using a jack and jack stands if necessary to access the oil pan and filter.
2. **Drain Engine Oil:** Place a suitable drain pan under the oil pan. Locate and remove the oil drain plug to allow the old engine oil to drain completely.
3. **Remove Old Oil Filter:** Position the drain pan under the oil filter. Use an oil filter wrench to loosen and remove the old oil filter. Be prepared for residual oil to drain from the filter and engine block.
4. **Prepare New Filter:** Apply a thin film of new engine oil to the rubber gasket of the Bosch D3511 filter. This ensures a proper seal and prevents the gasket from sticking during installation.
5. **Install New Oil Filter:** Hand-tighten the new Bosch D3511 filter onto the engine block until the gasket makes contact. Then, tighten an additional 3/4 to 1 full turn, or as specified in your vehicle's service manual. *Do not overtighten.*
6. **Refill Engine Oil:** Reinstall the oil drain plug with a new washer (if required) and tighten to the manufacturer's specifications. Refill the engine with the recommended type and quantity of new engine oil.
7. **Check for Leaks:** Start the engine and let it run for a few minutes. Check for any oil leaks around the new filter and drain plug. Turn off the engine, wait a few minutes, and check the oil level, adding more if necessary.

OPERATING PRINCIPLES

The Bosch D3511 Distance Plus oil filter operates by continuously filtering engine oil as it circulates through the engine. Its advanced synthetic fiber media is designed to capture and hold contaminants such as dirt, metal particles, and sludge, preventing them from circulating and causing wear to engine components. Key operational benefits include:

- **High Efficiency:** Achieves 99.9% efficiency in removing harmful particles, significantly reducing engine wear.
- **Extended Capacity:** Features 300% greater dirt-holding capacity compared to standard filters, allowing for longer service intervals.
- **Superior Durability:** Constructed with a heavy gauge case and steel base plate, providing up to 2 times greater burst resistance strength.
- **Anti-Drainback Valve:** A silicone anti-drainback valve prevents oil from draining out of the filter when the engine is off, protecting against dry starts.

MAINTENANCE

Regular oil and filter changes are crucial for maintaining engine health and longevity. While the Bosch D3511 filter offers extended performance, it is essential to adhere to your vehicle manufacturer's recommended service intervals.

- **Oil Change Intervals:** Consult your vehicle's owner's manual for the recommended oil and filter change

intervals. These intervals can vary based on driving conditions, vehicle age, and the type of oil used (conventional vs. synthetic).

- **Filter Replacement:** Always replace the oil filter every time you change your engine oil. The Bosch D3511 is designed to last for extended oil change intervals, but it should still be replaced concurrently with the oil.
- **Check Oil Level:** Regularly check your engine oil level between changes and top off as needed.

TROUBLESHOOTING

If you encounter issues after installing your Bosch D3511 oil filter, consider the following common problems and solutions:

- **Oil Leak Around Filter:**
 - **Cause:** Improperly tightened filter, damaged gasket, or old gasket residue.
 - **Solution:** Ensure the filter is tightened correctly (hand-tight plus 3/4 to 1 turn). Check for any old gasket material left on the engine block and remove it. Inspect the new filter's gasket for damage before installation.
- **Low Oil Pressure Warning Light:**
 - **Cause:** Insufficient oil level, clogged filter (unlikely with new Bosch filter), or incorrect filter.
 - **Solution:** Immediately check the engine oil level and add oil if low. Ensure the correct filter model (D3511) was installed. If the light persists, consult a qualified mechanic.
- **Difficulty Removing Filter:**
 - **Cause:** Overtightened during previous installation or gasket adhesion.
 - **Solution:** Use an appropriate oil filter wrench. Ensure the gasket is lightly oiled before installation to prevent sticking.

For persistent or complex issues, it is recommended to seek assistance from a certified automotive technician.

SPECIFICATIONS

Feature	Specification
Brand	Bosch
Model Number	D3511
Material	Silicone (gasket)
Product Grade	Performance Part
Vehicle Service Type	Car
Item Dimensions (L x W x H)	11.9 x 8.1 x 5.7 inches
Item Weight	1 Pounds
GTIN (Global Trade Identification Number)	028851725675
UPC	028851725675
Efficiency Rating	99.9%

Feature	Specification
Dirt Holding Capacity	300% greater than standard filters
Burst Resistance Strength	2x greater than competing filters (500 PSI base plate)

WARRANTY INFORMATION

Bosch products are manufactured to high-quality standards. For specific warranty details regarding your Bosch D3511 Distance Plus High Performance Oil Filter, please refer to the official Bosch website or contact Bosch customer service. Keep your purchase receipt as proof of purchase for any warranty claims.

SUPPORT

For further assistance, technical support, or product inquiries, please visit the official Bosch website:

www.bosch.com

You may also find additional resources and contact information on the Bosch Automotive website.