DEWALT 5140016-78

DeWalt Compressor Replacement Dipstick Instruction Manual

Model: 5140016-78

Product Overview

This manual provides essential information for the installation and proper use of the DeWalt Compressor Replacement Dipstick, part number 5140016-78. This component is designed to replace the original dipstick in compatible DeWalt compressor models, ensuring accurate oil level measurement and proper sealing of the oil reservoir.



Image: Two DeWalt Compressor Replacement Dipsticks (Part No. 5140016-78). These red plastic dipsticks feature a textured cap for grip and a black O-ring for a secure seal, designed for accurate oil level measurement in compatible air compressors.

Compatibility

The DeWalt Compressor Replacement Dipstick (Part No. 5140016-78) is compatible with the following DeWalt compressor models:

- DeWalt D55151
- DeWalt D55152
- DeWalt D55153
- DeWalt D55154
- DeWalt D55152 1.
- AM782HC4V Compressor

Always consult your compressor's owner's manual to confirm the correct part number before installation.

Setup and Installation

1. **Safety First:** Ensure the air compressor is turned off, unplugged from its power source, and all air pressure has been released from the tank before proceeding with any maintenance or part replacement.
2. **Locate Existing Dipstick:** Identify the current dipstick on your DeWalt compressor. It is typically located on or near the oil fill port.
3. **Remove Old Dipstick:** Carefully pull out the old dipstick. If it is broken or stuck, gentle wiggling may be required. Dispose of the old dipstick responsibly.
4. **Inspect New Dipstick:** Before installation, inspect the new replacement dipstick (Part No. 5140016-78) for any signs of damage. Ensure the O-ring is present and properly seated on the dipstick shaft.
5. **Insert New Dipstick:** Insert the new dipstick into the oil fill port. Push it down firmly until the cap is fully seated and the O-ring creates a tight seal. Do not overtighten or force the dipstick.
6. **Verify Fit:** Once installed, gently pull on the dipstick cap to ensure it is securely in place and does not easily come loose.

Operating (Oil Level Check)

The primary function of the dipstick is to accurately measure the oil level in your compressor. Regular oil level checks are crucial for the longevity and performance of your compressor.

1. **Prepare Compressor:** Ensure the compressor is on a level surface and has been off for at least 10-15 minutes to allow all oil to drain back into the crankcase.
2. **Remove Dipstick:** Pull out the dipstick and wipe it clean with a lint-free cloth.
3. **Reinsert and Check:** Fully reinsert the dipstick into its port until it is properly seated. Then, remove it again and observe the oil level on the dipstick.
4. **Interpret Reading:** The dipstick will have markings (e.g., "FULL," "ADD," or a range of lines) indicating the acceptable oil level. The oil level should be within the recommended range.
5. **Add Oil (If Necessary):** If the oil level is below the recommended minimum, add the appropriate type and amount of compressor oil as specified in your compressor's owner's manual. Do not overfill.
6. **Secure Dipstick:** After checking or adding oil, firmly reinsert the dipstick to ensure a proper seal before operating the compressor.

Maintenance

The dipstick itself requires minimal maintenance. However, proper care ensures its continued functionality:

- **Keep Clean:** Periodically wipe the dipstick clean to prevent dirt or debris from entering the oil reservoir.
- **Inspect O-ring:** Regularly check the black O-ring on the dipstick for cracks, wear, or damage. A damaged O-ring can lead to oil leaks or improper sealing, affecting compressor performance. Replace the dipstick if the O-ring is compromised.
- **Proper Storage:** When not in use (e.g., during compressor maintenance), store the dipstick in a clean, safe place to prevent damage or loss.

Troubleshooting

Problem	Possible Cause	Solution
Dipstick does not fit or is loose.	Incorrect part number for your compressor model; Damaged dipstick or oil port.	Verify compatibility with your compressor model (refer to "Compatibility" section). Inspect the oil port for damage. If the dipstick is damaged, replace it.
Oil leak around dipstick.	Damaged or missing O-ring; Dipstick not fully seated.	Ensure the dipstick is fully inserted and seated. Inspect the O-ring for damage and replace the dipstick if necessary.
Inaccurate oil level reading.	Compressor not level; Not enough time for oil to settle; Dipstick not fully inserted.	Ensure compressor is on a level surface. Allow 10-15 minutes for oil to settle after operation. Reinsert dipstick fully before checking.

Specifications

Part Number: 5140016-78

Brand: DEWALT

Item Weight: 0.48 ounces

Product Dimensions: 1 x 2 x 5 inches

Manufacturer: Stanley Black&Decker

Package Quantity: 2

Warranty and Support

For specific warranty information regarding this replacement part, please refer to the original purchase documentation or contact DeWalt customer support directly. As a replacement part, its warranty may be covered under the terms of the original compressor's warranty or a limited parts warranty.
For further assistance or technical support, please visit the official DEWALT website or contact their customer service department. Always provide the model number of your compressor and the part number of the dipstick (5140016-78) when seeking support.
You can visit the DEWALT Store online at https://www.amazon.com/stores/DEWALT/page/69079407-0204-4E31-BC82-4014894B3667.

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