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> NIBBI PWK32 Carburetor Instruction Manual for 300cc-350cc Motorcycle Engines

nibbi PWK32

NIBBI PWK32 Carburetor Instruction Manual

Model: PWK32

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your NIBBI PWK32 Carburetor. Designed for 300cc to 350cc motorcycle engines, this carburetor aims to optimize engine performance and fuel efficiency. Please read these instructions thoroughly before installation and use.



Figure 1: Overview of the NIBBI PWK32 Carburetor and included jets.

2. SETUP AND INSTALLATION

The NIBBI PWK32 Carburetor is compatible with a wide range of 300cc to 350cc motorcycle engines, including models from Yamaha, Honda, Kawasaki, Suzuki, and various off-brand dirt bikes and ATVs. Ensure your old carburetor's size is compatible with the dimensions provided in Figure 4 before proceeding with installation.

2.1 Package Contents

- 1 x Carburetor (Main Jet #128, Pilot Jet #32)
- 4 x Extra Main Jets (#122, #125, #130)
- 1 x Extra Pilot Jet (#30)
- 2 x Stickers
- 1 x Manual

PACKAGE INCLUDES:

- 1 x Carburetor with Main Jet#128 and Pilot Jet#32
- 4 x Jets (Main Jet #122 #125 #130 and Pilot Jet #30)
- 2 x sticker
- 1 x manual

SPECIFICATION:

- Material: Aluminum Alloy
- Suitable for 300cc~350cc engines

√ **NIBBI carburetor is universal.**

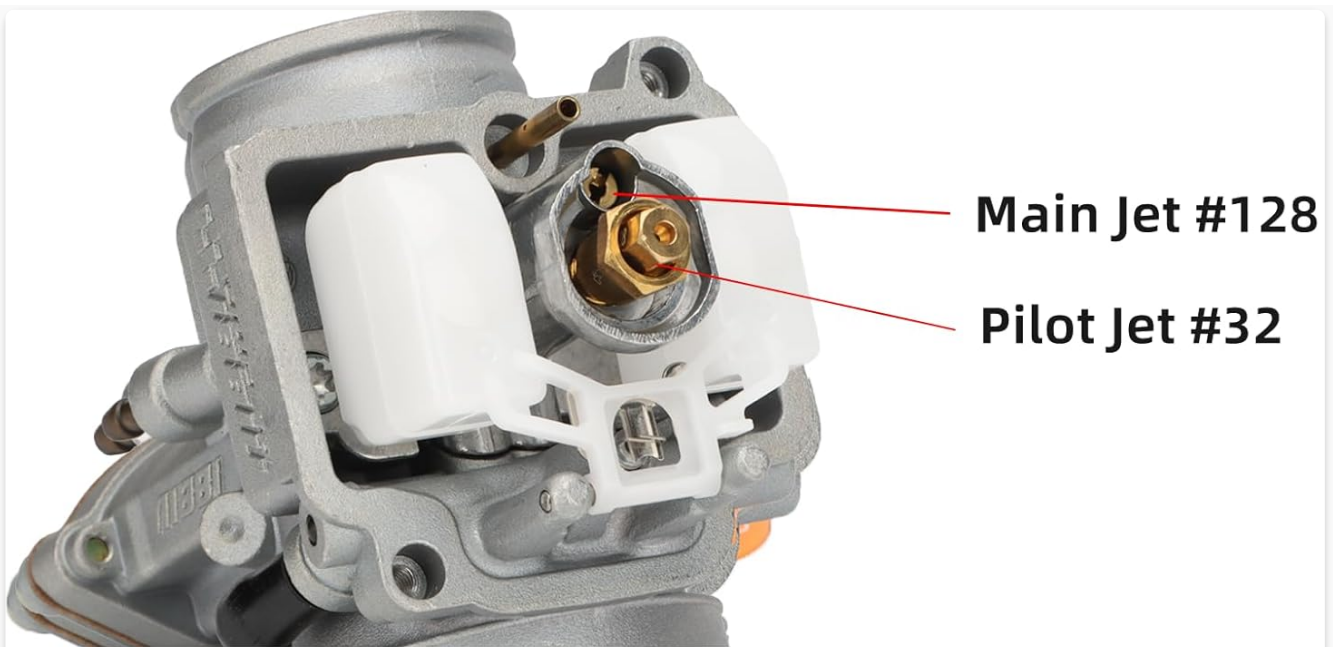
Replacement for ATV Mini Bike Dirt Bike Pit Bike Mower Go karts Moped.



Figure 2: Package contents and key specifications.

2.2 Jetting Information

The carburetor comes pre-installed with Main Jet #128 and Pilot Jet #32. Additional jets are provided for fine-tuning to suit specific engine requirements and environmental conditions. Refer to Figure 6 for a visual guide to the jets.



Main Jet #128

Pilot Jet #32

Original

Come with

Pilot Jet



#30

Main Jet

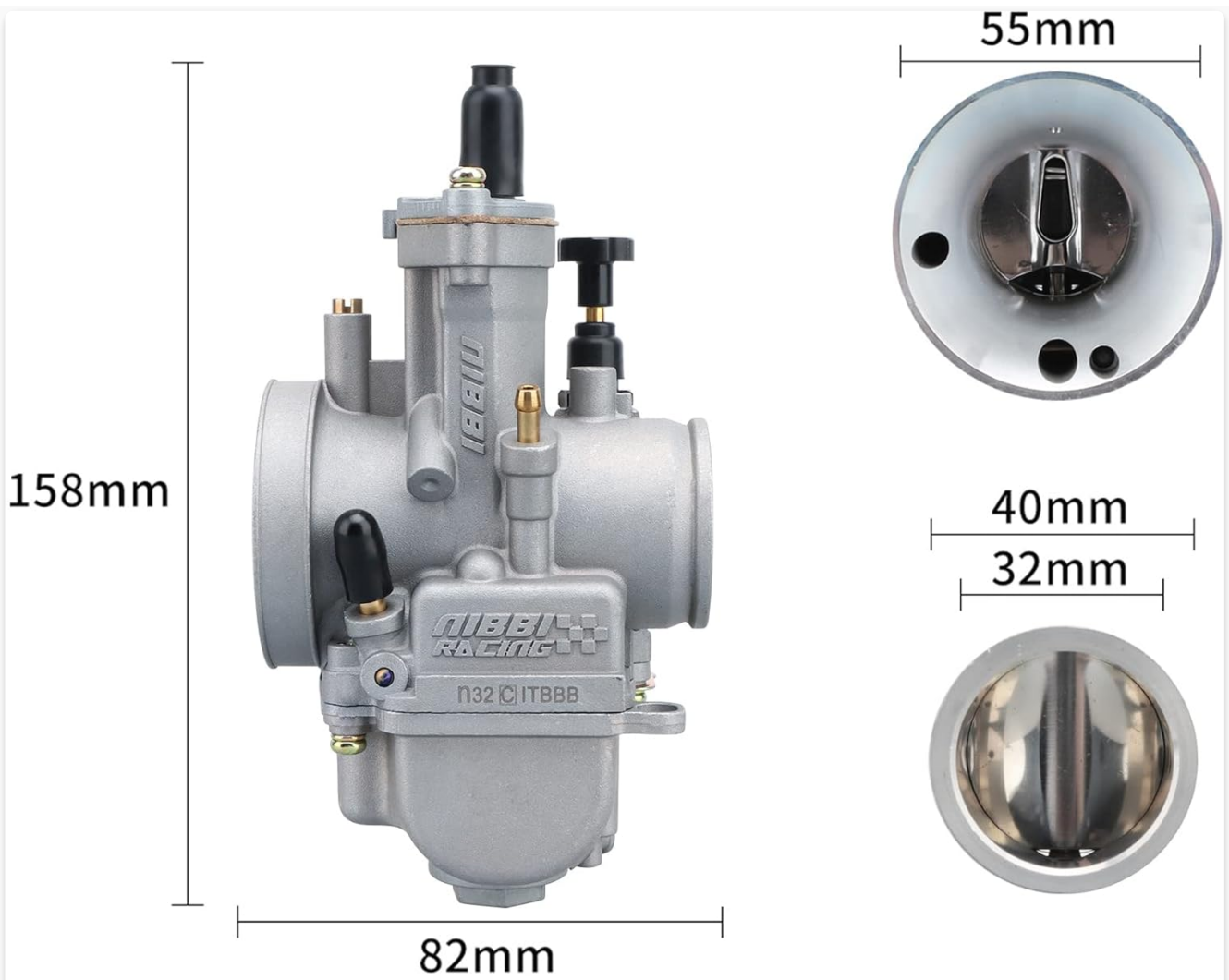


#122 #125 #130

Figure 3: Main and Pilot Jet details.

2.3 Dimensions and Compatibility

The PWK32 carburetor is designed for 300cc-350cc engines. Detailed dimensions are provided to ensure proper fitment. Please compare these dimensions with your existing setup.



PWK32 Carburetor size

Figure 4: NIBBI PWK32 Carburetor dimensions.

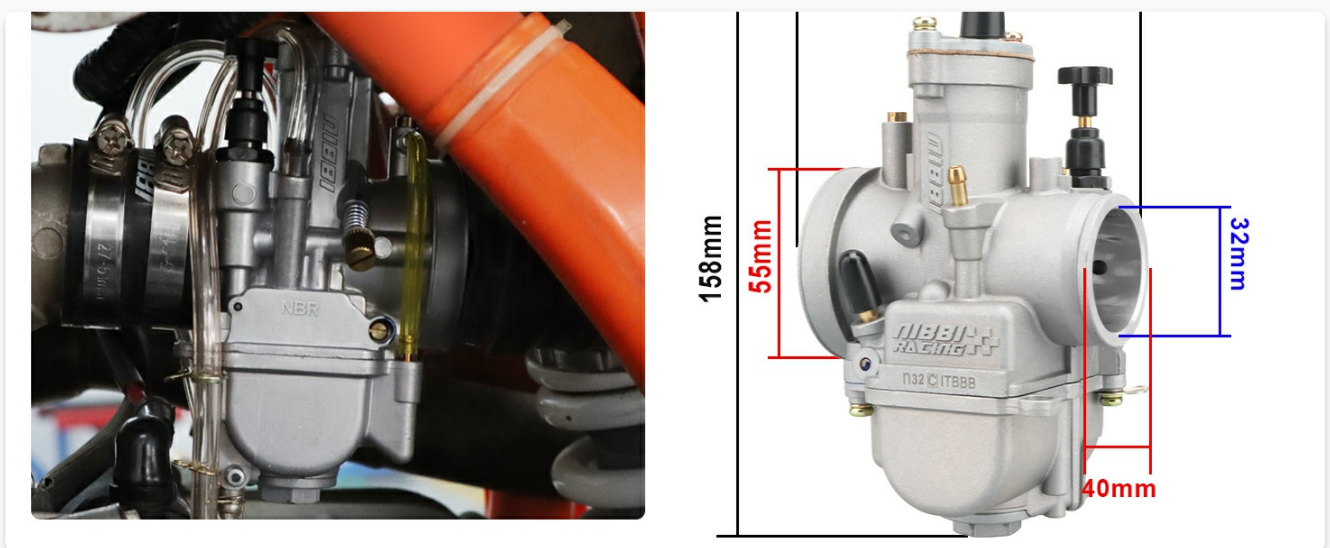
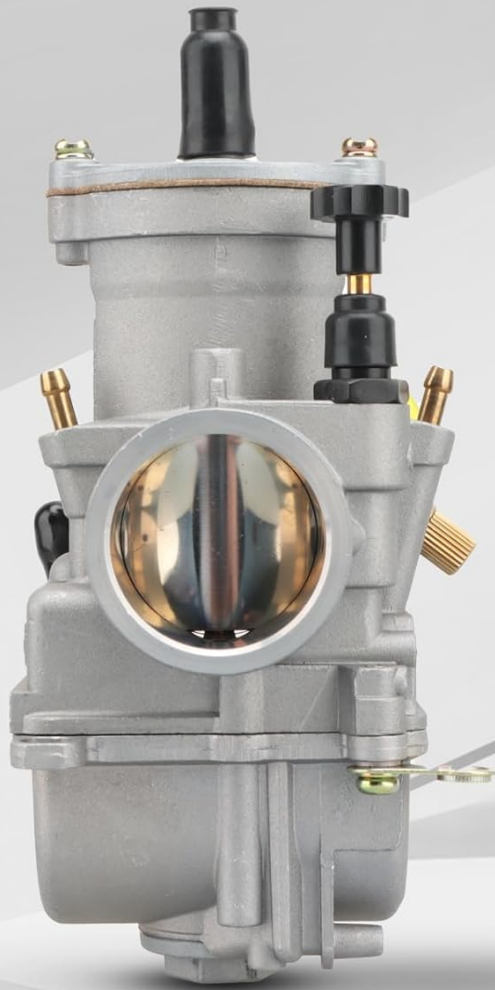


Figure 5: Carburetor installed on a motorcycle engine.

CARBURETOR DISPLACEMENT



PWK CARBURETOR

PWK24 111 10r 125CC-150CC

PWK26 111 10r 150CC-200CC

PWK28 111 10r 200CC-250CC

PWK30 111 10r 250CC-300CC

PWK32 111 10r 300CC-350CC

PWK34 111 10r 350CC-400CC

PWK36 111 10r 400CC-450CC

PWK38 111 10r 450CC-500CC

PWK40 111 10r 500CC-600CC

Figure 6: Carburetor displacement chart for NIBBI PWK series.



ATV



Dirt Bike



Retro Bike



Scoter

ABOUT US



SINCE 1983

Taking the ultimate power design concept as the core, and through the design and innovation of motorcycle racing carburetors, Nibbi Racing has established its position as an innovation leader in the motorcycle accessories industry.

Figure 7: Compatible vehicle types.

2.4 Installation Video

Your browser does not support the video tag.

Video 1: NIBBI PWK Carburetor. This video demonstrates the NIBBI PWK carburetor, showcasing its design and features relevant to its function.

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Video 2: NIBBI PWK32 Motorcycle Carburetor. A detailed view of the NIBBI PWK32 Motorcycle Carburetor, highlighting its various components and overall construction.

3. OPERATION

The NIBBI PWK32 Carburetor is engineered to provide improved throttle response and overall engine performance. Its precisely calibrated fuel delivery system contributes to enhanced fuel efficiency.

3.1 Performance Features



**10% performance increase
over PE carburetors.**

MORE AIRFLOW



LARGER BORE SIZE



Figure 8: Performance features including increased airflow and larger bore size.

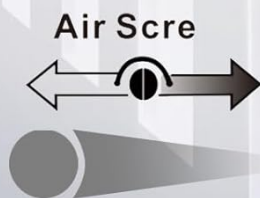
3.2 Adjustments

The carburetor features adjustable air and fuel mixture screws. Turning the air mix screw clockwise will enrich the mixture, while turning it anticlockwise will lean the mixture. Proper adjustment is crucial for achieving the ideal air-fuel ratio for your engine.

Adjustable air and fuel mixture screws



Achieve the ideal air-fuel ratio.



Clockwise rotation the air mix screw will richer the mixture, anticlockwise rotation the air mix screw will leaner the mixture.



Figure 9: Adjustable air and fuel mixture screws.



Figure 10: Labeled components for adjustment.

3.3 Atomization Effect Video

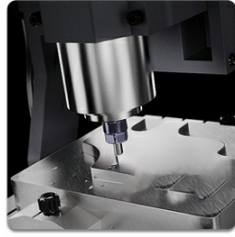
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Video 3: PWK carburetor atomization effect. This video illustrates the atomization process within a PWK carburetor, demonstrating how fuel is mixed with air for efficient combustion.

4. MAINTENANCE

The NIBBI PWK32 Carburetor is constructed from high-quality zinc alloy materials and rigorously tested to ensure longevity and durability. Regular maintenance is essential to ensure reliable performance for years to come.

GO OFF-ROAD TOGETHER



Excellent Quality

NIBBI carburetor is made of zinc alloy, the high quality ensures that our carburetor replacement performance is reliable, not easy to rust and has a long service life.



Figure 11: High-quality zinc alloy construction.

4.1 Cleaning

Periodically inspect and clean the carburetor jets and internal components to prevent blockages and maintain optimal fuel flow. The provided jet kit includes various sizes and cleaning tools to assist with this process.

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Video 4: NIBBI PE Carburetor Kit. This video shows components of a NIBBI carburetor kit, including jets and cleaning tools, which are relevant for maintenance.

5. SPECIFICATIONS

Feature	Specification
Brand	NIBBI
Model	PWK32 (NB-PWK-32)
Material	Aluminum Alloy (Zinc Alloy)
Engine Displacement	300cc - 350cc
Main Jet (Original)	#128
Pilot Jet (Original)	#32
Extra Main Jets	#122, #125, #130
Extra Pilot Jet	#30
Flange Type	Bolt On
Fuel Type	Gasoline
Recommended Uses	Go Kart, Motorcycle, UTV
Item Weight	1.43 pounds
Package Dimensions	8.46 x 4.53 x 3.7 inches

6. TROUBLESHOOTING

If you encounter any issues with your NIBBI PWK32 Carburetor, first ensure that all connections are secure and that the air and fuel mixture screws are correctly adjusted. Verify that the fuel supply is clean and unobstructed. If problems persist, it is recommended to consult a qualified mechanic or contact NIBBI customer support for assistance.

7. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts for your NIBBI PWK32 Carburetor, please refer to the official NIBBI website or contact their customer service department directly. Keep your purchase receipt as proof of purchase for any warranty claims.