

NEOECO SJ85 TRANSFORMER

NEOECO Transformer SJ85 Dual-Action Airbrush Kit

INSTRUCTION MANUAL

1. INTRODUCTION

Thank you for choosing the NEOECO Transformer SJ85 Dual-Action Airbrush Kit. This manual provides essential information for the safe and effective use, setup, operation, and maintenance of your new airbrush. Please read these instructions thoroughly before first use and retain them for future reference.

2. PRODUCT OVERVIEW AND COMPONENTS

The NEOECO Transformer SJ85 is a versatile dual-action airbrush designed for precision and broad coverage. It features a patented Quick-Shift technology for instant spray pattern changes and an ergonomic grip for comfort during extended use. Below is an illustration of the kit components:

Your Complete Airbrush System



- | | | | |
|------------------------|--------------------------|------------------|--------------------|
| 1. 0.3mm nozzle system | 2. 0.8mm nozzle system | 3. 15cc cup | 4. 4pcs seals |
| 5. Container box | 6. Manual | 7. Airbrush body | 8. Quick connector |
| 9. Eye dropper | 10. Resource center Card | 11. 0.8mm needle | 12. 0.3mm needle |

Image: NEOECO Transformer SJ85 Airbrush Kit with all included components labeled numerically.

Kit Contents:

1. 0.3mm Nozzle System
2. 0.8mm Nozzle System
3. 15cc Cup
4. 4pcs Seals (Spare O-rings)
5. Container Box
6. User Manual
7. Airbrush Body
8. Quick Connector
9. Eye Dropper
10. Resource Center Card
11. 0.8mm Needle
12. 0.3mm Needle
13. Pre-installed: 0.5mm Nozzle System and Needle

3. KEY FEATURES

3.1 Ergonomic Grip

The Transformer SJ85 features an enlarged, extended ergonomic grip designed to fit the natural shape of your palm. A dedicated finger rest groove provides stability, and the non-slip matte texture ensures a secure hold, reducing fatigue during prolonged use.



Perfectly Contoured for Your Hand
Experience superior comfort and rock-solid stability.

Image: Close-up of the airbrush handle highlighting the integrated finger rest and natural palm swell for ergonomic comfort.

3.2 Patented Quick-Shift Technology

This patented technology allows for an instant switch between a wide Fan Pattern for base coats and a precision Round Pattern for fine details. The 360° rotating head provides full control without the need for tools or disassembly.

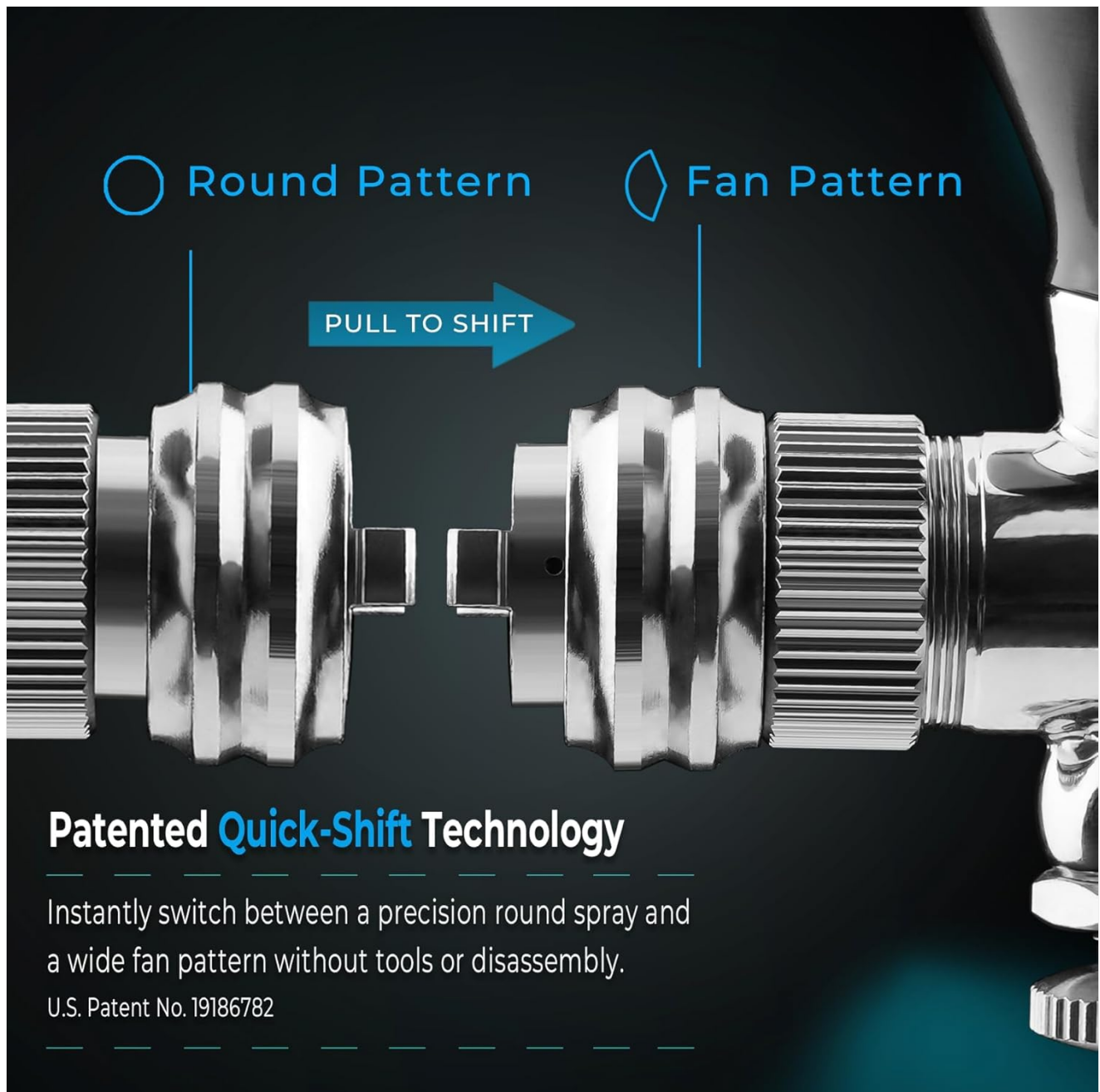


Image: Diagram illustrating the Quick-Shift mechanism, showing how to pull to shift between Round Pattern and Fan Pattern.

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Video: Official product video demonstrating the NEOECO Transformer SJ85 airbrush, including the Quick-Shift feature and various nozzle sizes.

3.3 Self-Centering Drop-In Nozzle System

The innovative drop-in self-centering nozzle eliminates fragile threads, ensuring perfect alignment and consistent atomization. The oversized design with a removal groove simplifies cleaning and part swapping.



Images: Steps for removing and inserting the self-centering nozzle and needle for maintenance.

3.4 Multiple Nozzle Sizes

The kit includes 0.3mm, 0.5mm (pre-installed), and 0.8mm nozzle sets, allowing for versatility across various applications from intricate details to broad coverage.

Master **Every** Project: Your **3-in-1** Nozzle Kit



0.3mm

- **Precision Details**

Perfect for intricate lines & micro-scale work.



0.5mm

- **Versatile Standard**

Your all-rounder for general tasks & smooth coverage.



0.8mm

- **Max Coverage**

Ideal for base coats, primers & large surface areas.

Image: Visual representation of the three nozzle sizes (0.3mm, 0.5mm, 0.8mm) and their recommended uses.

3.5 Airflow and Paint Flow Control

The airbrush features an integrated MAC valve for on-the-fly air pressure adjustments and a pre-set handle for accurate paint flow limiting, ensuring consistent results.

The Difference is in the Details.



SJ85 Transformer



Others

Dual Spray Pattern



YES ([Round & Fan](#))



Round Only

Pattern Switching Method



Patented [Quick-Shift](#)
(Instant, 1-Second Switch)



N/A

Ergonomic Design



Contoured [Comfort Grip](#)



Basic

Nozzle System



Advanced [Self-Centering](#)
3-Flow Nozzle



Basic Nozzle

Service & Resources



Exclusive [Resource Center](#)
(Video Tutorials, Pro Tips)



Limited or None

Choose [Innovation](#). Choose [Control](#). Choose [NEOECO](#).

Image: Close-up showing the on-the-fly airflow control (MAC valve) and the precision paint flow limiter on the airbrush.

4. SETUP

4.1 Connecting to an Air Source

1. Ensure your air compressor is turned off and depressurized.
2. Attach the quick connector (8) to your air hose.
3. Connect the quick connector to the airbrush body's air inlet. Ensure a secure fit.
4. Turn on your air compressor and set it to the desired operating pressure.

4.2 Installing/Changing Nozzles and Needles

The airbrush comes with a 0.5mm nozzle system pre-installed. To change or install a different size:

1. Unscrew the needle chucking guide at the rear of the airbrush and carefully remove the needle.
2. Unscrew the nozzle cap at the front of the airbrush.
3. Gently twist and pull the existing nozzle system out.
4. Insert the desired nozzle system (0.3mm, 0.5mm, or 0.8mm) into the airbrush body. Ensure it seats correctly.
5. Screw the nozzle cap back on, hand-tightening only.
6. Carefully reinsert the corresponding needle (0.3mm, 0.5mm, or 0.8mm) through the rear of the airbrush until it stops.
7. Screw the needle chucking guide back on, ensuring the needle is secure but can still move freely when the trigger is pulled back.

4.3 Loading Paint

1. Ensure your paint is properly thinned for airbrushing. Use the included eye dropper (9) if needed.
2. Open the lid of the 15cc cup (3).
3. Pour the prepared paint into the cup. Do not overfill.

4. Close the cup lid securely to prevent spills and maintain paint consistency.

5. OPERATING INSTRUCTIONS

5.1 Basic Operation (Dual-Action Trigger)

1. **Air First:** Press down on the trigger to release air. This ensures air is flowing before paint, preventing splattering.
2. **Paint Second:** While holding the trigger down, pull it back to release paint. The further back you pull, the more paint is released.
3. **Release Paint First:** When finishing a stroke, release the trigger forward to stop paint flow before releasing the downward pressure to stop air flow. This prevents paint from drying on the needle tip.

5.2 Using Quick-Shift Technology

To switch between spray patterns:

1. Locate the Quick-Shift mechanism at the front of the airbrush, just behind the nozzle cap.
2. To activate the **Fan Pattern**, pull the mechanism forward until it clicks into place.
3. To activate the **Round Pattern**, push the mechanism backward until it clicks into place.
4. You can rotate the Quick-Shift head 360° to adjust the orientation of the fan spray.

Two Patterns, Total Creative Freedom

Round Pattern: For Focused Work

Perfect for pre-shading and weathering effects.

Fan Pattern: Effortless Coverage

Great for priming and base coating models.



Image: Visual comparison of the spray patterns: Round Pattern for focused work (e.g., pre-shading) and Fan Pattern for effortless coverage (e.g., priming).

5.3 Adjusting Airflow and Paint Flow

- **Airflow Control (MAC Valve):** The integrated MAC valve, located near the air inlet, allows you to fine-tune air pressure directly from the airbrush. Turn it clockwise to decrease airflow and counter-clockwise to increase airflow.
- **Paint Flow Limiter:** The knob at the rear of the airbrush (needle chucking guide) acts as a paint flow limiter. Turning it clockwise restricts how far the needle can retract, limiting the maximum paint flow. This helps achieve consistent lines and repeatable results.

6. MAINTENANCE

Proper cleaning and maintenance are crucial for the longevity and performance of your airbrush. Clean your airbrush immediately after each use, especially when changing colors or finishing a session.

6.1 Basic Cleaning After Each Use

1. Empty any remaining paint from the cup.
2. Add a small amount of appropriate cleaner (e.g., airbrush cleaner, water for acrylics, solvent for enamels) to the paint cup.
3. Back-flush: Cover the nozzle cap with your finger or a cap and press the trigger down to release air. This will force air back into the cup, bubbling and cleaning the inside.
4. Spray the cleaner through the airbrush onto a paper towel until it sprays clear.
5. Repeat steps 2-4 until no paint residue is visible.

6.2 Deep Cleaning (Periodically or for Clogs)

1. Disassemble the airbrush: Remove the needle, nozzle cap, and nozzle system as described in Section 4.2.
2. Clean all removed parts with appropriate cleaner and a soft brush or cotton swab. Pay special attention to the nozzle and needle tip.
3. Clean the paint cup and the airbrush body's internal channels.
4. Inspect O-rings (seals) for wear or damage. Replace if necessary using the included spare O-rings (4).
5. Reassemble the airbrush carefully, ensuring all parts are correctly seated and tightened appropriately (hand-tighten only for delicate parts).

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No paint flow	Clogged nozzle/needle, paint too thick, needle not pulled back, air pressure too low.	Clean nozzle/needle, thin paint, pull trigger back, increase air pressure.
Splattering/Inconsistent spray	Paint too thin/thick, clogged nozzle, damaged needle tip, air pressure too high/low, loose nozzle.	Adjust paint consistency, clean nozzle, inspect/replace needle, adjust air pressure, tighten nozzle.
Air bubbles in paint cup	Loose nozzle, damaged nozzle, clogged nozzle.	Tighten nozzle, replace nozzle, clean nozzle.
Trigger sticking	Dried paint in mechanism, lack of lubrication.	Deep clean airbrush, apply airbrush lubricant to moving parts.

8. SPECIFICATIONS

- **Product Dimensions:** 6.69 x 1.18 x 6.69 inches
- **Item Model Number:** NCT-SJ85 TRANSFORMER
- **ASIN:** B0FRSMMHGP
- **Item Weight:** 1.08 pounds
- **Manufacturer:** NEOECO
- **Nozzle Sizes Included:** 0.3mm, 0.5mm, 0.8mm
- **Spray Patterns:** Round, Fan (via Patented Quick-Shift)
- **Air Control:** Integrated MAC Valve
- **Paint Control:** Precision Paint Flow Limiter

- **Cup Capacity:** 15cc

9. WARRANTY AND SUPPORT

NEOECO products are manufactured to high-quality standards. For warranty information, technical support, or replacement parts, please refer to the Resource Center Card included in your kit or visit the official NEOECO website. Keep your purchase receipt as proof of purchase.