

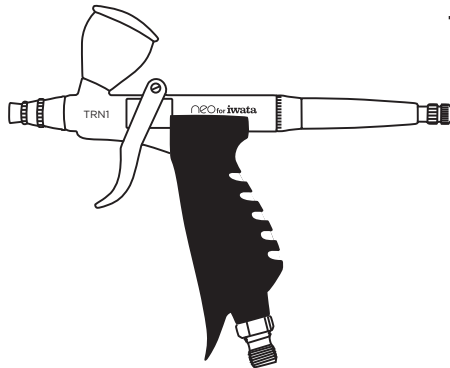
# neo

for iwata

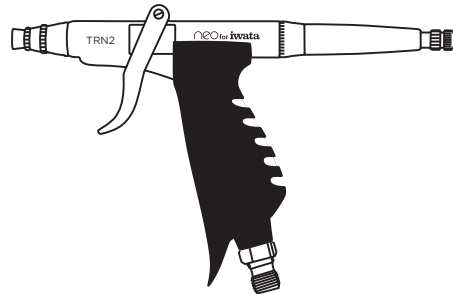
## NEO FOR IWATA TRN1 AND TRN2 TRIGGER AIRBRUSH MANUAL

*Congratulations on your purchase of a*

neo  
for iwata  
*airbrush.*



**TRN1 GRAVITY-FEED  
TRIGGER AIRBRUSH**



**TRN2 SIDE-FEED  
TRIGGER AIRBRUSH**

## NEED ASSISTANCE ?

If you have any issues with this product,  
call **ANEST IWATA-MEDEA (U.S.A.) 503-253-7308** (M-F 8am-4pm Pacific Time)  
or your local **ANEST IWATA** affiliate before returning to your place of purchase.

**ANEST IWATA-MEDEA, INC.**  
Portland, Oregon U.S.A.  
+1-503-253-7308  
[www.iwata-medea.com](http://www.iwata-medea.com)

**ANEST IWATA SOUTH-EAST ASIA CO., LTD.**  
Bangkok, Thailand  
+66-(0)-2643-2870  
[www.anest-iwatasoutheastasia.com](http://www.anest-iwatasoutheastasia.com)

**ANEST IWATA DO BRASIL COMERCIAL LTDA.**  
Bairro do Paraíso, São Paulo  
+55-11-3171-0072  
[www.anest-iwata.net.br](http://www.anest-iwata.net.br)

**ANEST IWATA SOUTH AFRICA (PTY) LTD.**  
Johannesburg, Republic of South Africa  
+27-11-463-2169/2265/2223

**ANEST IWATA CORPORATION**  
Yokohama, Japan  
+81-(0)45-591-1111  
[www.anest-iwata.co.jp](http://www.anest-iwata.co.jp)

**ANEST IWATA EUROPE S.R.L.**  
Torino, Italy  
+39-01-1248-0868  
[www.anest-iwataeu.com](http://www.anest-iwataeu.com)

**ANEST IWATA SHANGHAI**  
Shanghai, China  
+86-(0)21-6407-9713 / 15 / 16  
[www.anest-iwata-sh.com/ja](http://www.anest-iwata-sh.com/ja)

**ANEST IWATA RUS LLC**  
Moscow, Russia  
+7-495-938-77-28  
[www.anestiwata.ru](http://www.anestiwata.ru)

**ANEST IWATA AUSTRALIA PTY LTD.**  
Mt. Druitt, NSW  
+61-(02)-9853-2000  
[www.anest-iwata.com.au](http://www.anest-iwata.com.au)

**ANEST IWATA (U.K.) LTD.**  
Neots Cambs, England  
+44-(0)1480-474742  
[www.anest-iwata.co.jp](http://www.anest-iwata.co.jp)

**ANEST IWATA MOTHERSON LTD.**  
Uttar Pradesh, India  
+91-(0)120-4600500 / 14 / 17  
[www.motherson.com](http://www.motherson.com)

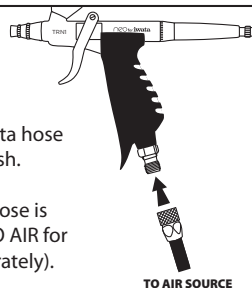
**CENTURY TRADING CO., LTD.**  
Seoul, Korea  
82-2-2163-0300  
[www.centtrading.co.kr](http://www.centtrading.co.kr)

# 1

### BEGIN

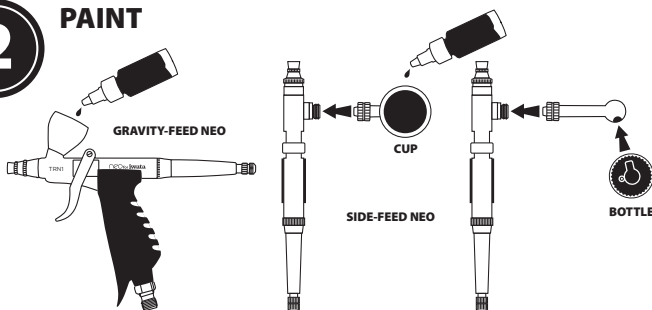
Begin by attaching your airbrush hose (Iwata hose sold separately) to your NEO Trigger airbrush.

Make sure the other end of your airbrush hose is attached to your air source such as the NEO AIR for Iwata Miniature Air Compressor (sold separately).



# 2

### PAINT

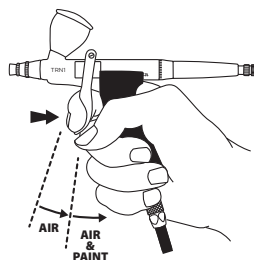


For the gravity-feed NEO, put a small amount of paint into the color cup on top of the airbrush (note you have 2 choices of cup size). The airbrush will also hold 1/32 oz. (1cc) of paint without a cup attached.

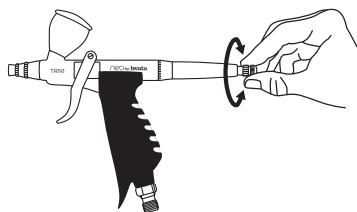
For the side-feed NEO, attach one of the cups to the side of the airbrush by pushing it directly into the airbrush and tightening the lock nut and add paint. When using bottles, screw the side-feed adapter lock nut onto the airbrush, then push the bottle (filled with paint) into the side-feed adapter.

# 3

### START AIRBRUSHING



Turn your air compressor on. Gently pull back on the trigger for air flow and then pull farther for paint spray. As you pull back on the trigger, move your airbrush along the surface to be painted – keep moving!



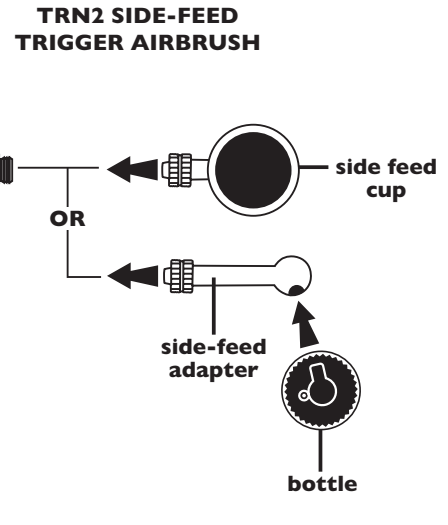
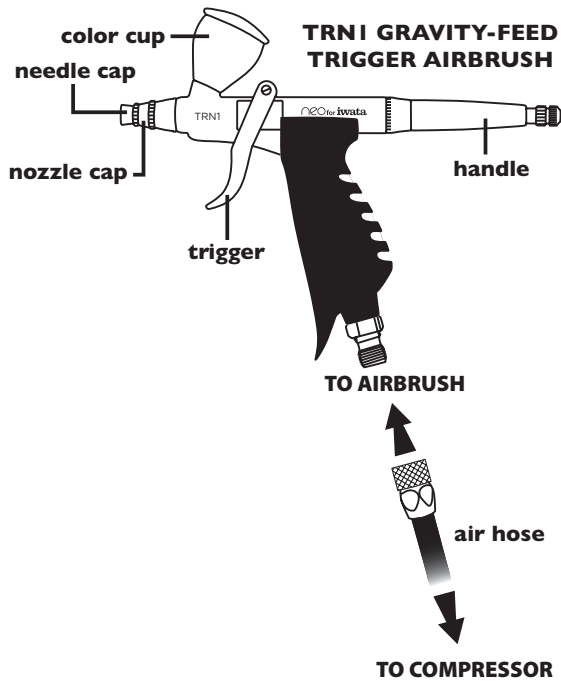
The pre-set knob limits how far back you can pull the trigger. Turn the pre-set to set the desired maximum amount of paint spray.

### CLEANING

To clean your airbrush, flush it out with the appropriate cleaner for your medium or use Medea Airbrush Cleaner, good for water-based mediums, and spray airbrush until it sprays clear.

## ASSEMBLY

1. Screw the air hose onto the airbrush (Iwata air hose sold separately).
2. Screw the air hose onto the compressor.



## GENERAL OPERATION REFER TO DIAGRAM ABOVE

### Fine-Line Spray

1. Depress the main lever to start air flow.
2. Position the airbrush close to the surface, between 1/16 and 1/2 inch is common.
3. Pull the main lever back slightly to start the flow of paint.

Line thickness can be controlled by adjusting the distance between the airbrush and the surface and also by varying the paint flow by manipulating the main lever's position.

### Wide-Line and Background Spraying

1. Depress the main lever.
2. Position the airbrush further away from the surface, from 1 to 6 inches is common.
3. Pull the main lever back much farther releasing more paint to cover the bigger area.

Increase the distance between the airbrush and painted surface to control the line's width. Increasing the air pressure will also affect the spray width.

### Air Pressure

For the NEO, working pressures generally vary between 10 and 60 psi, depending on what type of work is being done and what textures are desired. A good working pressure may average around 15-25 psi. The viscosity of the paint and your desired spray characteristics will also affect your ideal pressure. As a general rule, larger amounts of paint or thicker paints, will be sprayed with higher pressures.

**WARNING: Do not exceed 100psi.**

### Paint Preparation

For non-airbrush-ready paints, proper preparation, including filtering the paint through a nylon mesh, is recommended for best performance. Paint should be thinned with its proper solvent. It is best to prepare paint relatively thin and make repeated passes across the work to achieve the desired shade. This will also improve the quality of your work and decrease the cleaning time of your airbrush.

### Safety Tips

- Always spray in a well-ventilated area.
- Do not spray solvent-based (flammable) paints around open flames.
- Use the appropriate respirator to safely filter out the paint vapors particular to the kind of paint you are using.
- Wear eye protection to prevent paint contact with eyes.
- Never use air pressure that exceeds the airbrush's limit (100 psi).

**Cleaning the Airbrush (TRN2)**

1. Remove the paint bottle.
2. Attach a bottle containing the appropriate cleaning solution. (Note: Medea Airbrush Cleaner works great for water-based media.)
3. Spray until the solution sprays clear.
4. Remove the bottle of cleaning solution.
5. Spray air until the airbrush sprays dry.
6. Attach a bottle containing the next color.
7. Repeat cleaning procedure when finished.

**Cleaning the Airbrush (TRN1)**

1. Dump out the color cup's excess paint.
2. Rinse the cup with the appropriate cleaning solution. (Note: Medea Airbrush Cleaner works great for water-based media.)
3. Use a paper towel to wipe out any left-over paint.
4. Fill the bottom of the cup with cleaner.
5. Spray cleaner until the spray is clear.
6. Add the next color to the color cup.
7. Repeat cleaning procedure when finished.

**Cleaning the Needle (TRN2, TRN1)**

Before removing the needle, clean the airbrush as recommended.

1. Unscrew the handle from the airbrush body.
2. Loosen the needle chucking nut.
3. Gently pull the needle straight out.
4. Fold a soft cloth damp with cleaner over the needle.
5. Rotate the needle to gently wipe the residual paint off.
6. Carefully insert the needle into the airbrush until it seats fully against the nozzle.

**CAUTION:** The most probable time to damage the needle is when the needle passes through the main lever. If the needle stops abruptly, retract and examine the trigger mechanism for proper assembly and re-insert the needle.

7. Tighten the needle chucking nut finger tight.
  - Pull the main lever back and forth to visually confirm the needle's ability to move.
8. Screw the handle back onto the airbrush body.

**Before Each Session**

Spray water or the appropriate cleaning solution through the airbrush to make sure the airbrush is working properly.

**After Each Session**

Or any time the airbrush becomes clogged:

1. Increase the air pressure.
  2. Spray cleaning solution for a short time.
  3. Clean the needle if necessary
- Cleaning the airbrush this way helps clean the paint passage, the nozzle and the needle thoroughly.

**Periodically**

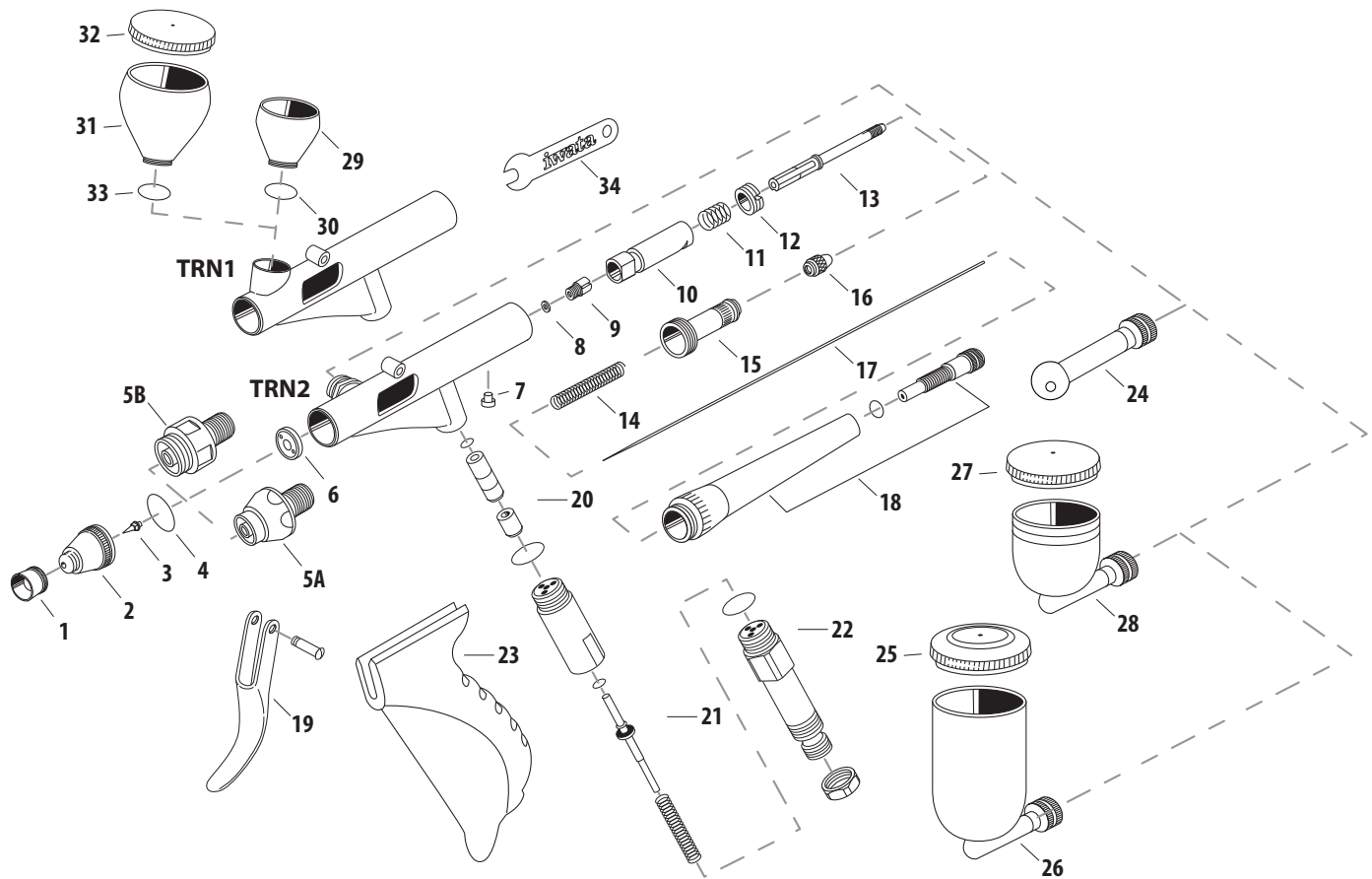
To ensure smooth main lever action lubricate the needle and the main lever mechanism when necessary.

1. Unscrew the handle.
2. Loosen the needle chucking nut.
3. Remove the needle.
4. Coat the needle lightly at the front where the taper starts with a high-quality lubricant, like Medea Super Lube.
5. Wipe the needle with a soft, clean cloth, leaving a light coat of lube behind.
6. Re-insert the needle gently into the airbrush.
7. Tighten the needle chucking nut.
8. Screw the handle onto the airbrush body.

Use a tiny drop of lube on the main lever's piston. **DO NOT** over-lube the needle or the main lever mechanism, since it is possible to transfer excess lube into the nozzle causing severe paint flow problems. **DO NOT** use light machine oil or WD-40 for lubrication. These will cause the needle to stick as it moves through the needle packing o-ring.

**CAUTION:** If it becomes absolutely necessary to dismantle the airbrush remember that in most situations tools are not needed.

# NEO SERIES FOR IWATA - TRN1 AND TRN2 TRIGGER



#	ITEM DESCRIPTION	PRICE CODE	ITEM #	TRN2 N 5000	TRN1 N 5500	ALSO FITS
1	Needle Cap	A	N 110 2	■	■	
2	Nozzle Cap	0.35 mm 0.50 mm	A A	N 140 3 N 140 4	opt ■	■ opt
3	Nozzle	0.35 mm 0.50 mm	C C	N 080 3 N 080 4	opt ■	■ opt
4	Nozzle Cap O-Ring	A	N 150 3 N 150 4	opt ■	■ opt	
5A	Head Base	A	N 135 3	x	■	
5B	Head Base	A	N 135 4	■	x	
6	Head Base Packing (PTFE)	A	N 150 5	■	■	
7	Main Body Ring Screw	A	N 131 2	■	■	
8	Needle Packing (PTFE)	A	N 150 7	■	■	
9	Needle Packing Screw	A	N 125 2	■	■	
10	Slide Cam	A	N 130 1	■	■	
11	Spring Side Cam	A	N 130 2	■	■	
12	Main Body Ring	A	N 131 1	■	■	
13	Needle Chucking Guide	A	N 115 2	■	■	
14	Needle Spring	A	N 135 2	■	■	
15	Spring Guide	A	N 170 2	■	■	
16	Needle Chucking Nut	A	N 120 2	■	■	

#	ITEM DESCRIPTION	PRICE CODE	ITEM #	TRN2 N 5000	TRN1 N 5500	ALSO FITS
17	Needle	0.35 mm 0.50 mm	A A	N 075 3 N 075 4	opt ■	■ opt
18	Handle Cap Set	D	N 090 2	■	■	
19	Trigger With Trigger Screw	A	N 100 2	■	■	
20	Air Piston Set	A	N 010 1	■	■	
21	Valve Set	C	N 020 2	■	■	
22	Grip Mount/Extension	D	N 160 1	■	■	
23	Grip	B	N 160 2	■	■	
24	Bottle Adapter	C	N 040 1	■	x	
25	Side Cup Lid	1/2 oz (15 cc)	A	N 095 2	■	x
26	Side Cup	1/2 oz (15 cc)	A	N 070 6	■	x
27	Side Cup Lid	1/4 oz (7 cc)	A	N 095 3	■	x
28	Side Cup	1/4 oz (7 cc)	D	N 070 5	■	x
29	Gravity Cup	1/10 oz (3 cc)	C	N 070 3	x	■
30	Gravity Cup O-Ring	1/10 oz (3 cc)	A	N 071 2	x	■
31	Gravity Cup	1/4 oz (7 cc)	D	N 070 4	x	■
32	Gravity Cup Lid	1/4 oz (7 cc)	A	N 095 1	x	■
33	Gravity Cup O-Ring	1/4 oz (7 cc)	A	N 071 3	x	■
34	Spanner	A	N 165 1	■	■	

■ = yes X = no opt = optional

## REPLACEMENT PARTS AND ACCESSORIES REFER TO MASTER PARTS LIST ON PAGE 4

### Nozzle

In time, the nozzle may wear or be damaged and may need to be replaced.

1. Unscrew the handle.
2. Loosen the needle chucking nut.
3. Gently pull the needle part way back. It doesn't need to be fully pulled out.
4. Unscrew the needle cap and the nozzle cap.
5. Unscrew the nozzle counter-clockwise with the provided wrench.
6. Screw the new nozzle into the airbrush body with your fingers.
7. Slightly tighten the nozzle with the provided wrench.
  - DO NOT OVER TIGHTEN!
8. Screw the needle cap and nozzle cap onto the airbrush body.
9. Push the needle all the way forward until it seats with the new nozzle.
10. Tighten the needle chucking nut.
11. Screw the handle onto the airbrush body.

**TIP: Keep a spare nozzle on hand for unforeseen accidents.**

### Needle

Needles are subject to easy physical damage because of the long tapered, extremely fine tip. If the needle point becomes severely bent, it must be straightened before pulling it back through the nozzle. If not, the bent needle might damage the nozzle as it's pulled through.

**TIP: Keep a spare needle on hand for unforeseen accidents.**

## WARRANTY

All NEO for Iwata airbrushes are *Warranted* against all manufacturing defects of material and manufacture or workmanship for a period of FIVE years from the date of purchase. This warranty does not cover fluid needles or fluid nozzles since these parts need to be replaced occasionally due to normal wear. Any other part or material that is or becomes defective so as not to be usable within this period will be repaired or replaced. This warranty does not cover damage caused by negligence or airbrushes that have been altered or abused in any way. Call or email Iwata-Medea before returning an airbrush for the appropriate procedure for warranty repairs.



— [www.IWATANEO.com](http://www.IWATANEO.com) —

**ANEST IWATA-MEDEA, Inc.** • 1336 N. Mason St., Portland, OR 97217

tel: 503-253-7308 • fax: 503-253-0721 • [info@iwata-medea.com](mailto:info@iwata-medea.com)