NEU MASTER NRT4335-10C Rotary Tool Kit Instruction Manual

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NEU MASTER NRT4335-10C Rotary Tool Kit

Product Information

The Rotary Tool is a versatile power tool designed for various applications. It is important to read and understand all instructions and safety precautions before using the tool to ensure your safety and prevent any problems. The tool is equipped with the following features:

- Insulated gripping surfaces for safe handling
- Recommended speed rating for accessories
- Flexible shaft with a minimum recommended bending radius of 5
- Power cord with a switch for easy operation
- Safety goggles and dust mask for personal protection.

Specifications

- **Model:** NRT4335-10C
- **Rev:** 20220913

Product Usage Instructions

Safety Instructions for Power Tools

When using electrical tools, it is important to follow all precautions to reduce the risk of fire, electric shock, and personal injury. Some general safety guidelines include:

- Read all instructions and product labels
- Follow the safety guidelines defined in the manual
- Always disconnect the power cord before making any adjustments or attaching accessories

- Hold the handpiece firmly during start-up to prevent twisting
- Wear safety goggles and a dust mask, and use the tool in a well-ventilated area

Safety Rules for Rotary Tools
To ensure safe usage of the Rotary Tool, please follow these safety rules:

- Hold the power tool with insulated gripping surfaces to prevent contact with the cutter and its cord
- Secure and support the workpiece using clamps or a stable platform to maintain control
- Use accessories that are rated for the recommended speed on the tool warning label
- Disconnect all fuses or circuit breakers feeding the worksite when cutting into blind areas with electrical wiring
- Avoid over-bending the flexible shaft to prevent excessive heat generation
- Always disconnect the power cord before making adjustments or attaching accessories
- Hold the handpiece firmly during start-up to manage the reaction torque of the motor
- Wear safety goggles and a dust mask, and work in a well-ventilated area
- Avoid reaching into the area of the spinning bit to prevent injury

Cleaning and Maintenance
To ensure optimal performance and longevity of the Rotary Tool, regular cleaning and maintenance are recommended. Follow these steps:

1. Disconnect the power cord from the power source.
2. Remove any debris or dust from the tool using a brush or compressed air.
3. Inspect the tool for any damage or wear and replace any worn-out parts.
4. If necessary, lubricate moving parts according to the instructions provided.

Neu Master Customer Service & Warranty
For any inquiries or assistance regarding the Rotary Tool, please contact Neu Master Customer Service. The tool is covered by a warranty, and details about the warranty and how to claim it can be found in the manual.

Frequently Asked Questions (FAQ)

- **Q: Can I use the Rotary Tool without wearing safety goggles and a dust mask?**
  A: No, it is essential to wear safety goggles and a dust mask while using the Rotary Tool to protect your eyes and respiratory system from potential hazards.
- **Q: Can I use the Rotary Tool in a confined space without proper ventilation?**
  A: It is not recommended to use the Rotary Tool in a confined space without proper ventilation. Always ensure you are working in a well-ventilated area to minimize the risk of inhaling harmful particles or fumes.
- **Q: What should I do if the tool's power cord is damaged?**
  A: If the power cord of the Rotary Tool is damaged, it should not be used. Contact Neu Master Customer Service or a qualified technician to replace or repair the power cord.
- **Q: Can I use accessories that are not rated for the recommended speed on the tool warning label?**
  A: No, it is crucial to use accessories that are rated for at least the speed recommended on the tool warning label. Using accessories running over the rated speed can cause them to fly apart and result in injury.

Read all instructions and product labels.
When using electrical tools, follow all the precautions to reduce the risk of fire, electric shock, and other personal

injury.

WARNING:
When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the following.

READ ALL INSTRUCTIONS

TO REDUCE RISK OF INJURY:

- Before any use, be sure everyone using this tool reads and understands all safety instructions and other information contained in this manual.
- Save these instructions and review them frequently before use and in instruc ng others.

Safety Instruction for Power Tools

General Safety Warnings and Instructions for All Tools

- KEEP THE WORK AREA CLEAN. Cluttered areas and benches invite injuries.
- CONSIDER THE WORK AREA ENVIRONMENT. Don’t expose power tools to rain. Don’t use power tools in damp locations. Keep the work area well-lit. Do not use in the presence of flammable liquids or gases. Motors in these tools normally spark, and the sparks may ignite the fumes.
- GUARD AGAINST ELECTRIC SHOCK. Prevent body contact with grounded surfaces. For example; pipes, radiators, ranges, refrigerator enclosures. Use extreme caution when drilling, driving, or cutting into walls, floors, ceilings or other areas or wherever live electrical wires may be contacted, do not touch any metal parts of the tool. Hold the tools only by the plastic handle to prevent electric shock.
- KEEP CHILDREN AWAY. Do not let children and visitors contact tools or extension cords. All children and visitors should be kept away from the work area.
- STORE IDLE TOOLS. When not in use, tools should be stored in dry, and high or locked up places–out of reach of children.
- DON’T FORCE TOOL. It will do the job better and safer at the rate for which it was intended.
- USE RIGHT TOOL. Don’t force small tools or attachments to do the job of a heavy-duty tool. Don’t use the tool for purposes not intended.
- DRESS PROPERLY. Do not wear loose clothing or jewellery. They can be caught in moving parts. Heavy-duty gloves to protect hands and non-skid footwear are recommended when working outdoors. Wear a protective hair covering to contain long hair.
- USE SAFETY GLASSES AND OTHER SAFETY EQUIPMENT. Use safety goggles or safety glasses with side shields, complying with applicable safety standards and, when needed, a face shield. Also, use a face or dust mask if cutting operation is dusty. This applies to all persons in the work area. Also use a hard hat, hearing protection, gloves, safety shoes and dust collection systems when specified or required.
- DON’T ABUSE CORD. Never carry the tool by cord or yank it to disconnect it from the receptacle. Keep cord from heat, oil, and sharp edges.
- SECURE WORK. Use clamps or a vice to hold the work. It’s safer than using your hand and it frees both hands to operate the tool.
- DON’T OVERREACH. Keep proper footing and balance at all times.

- MAINTAIN TOOLS WITH CARE. Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged, have them repaired by an authorized service facility. Inspect extension cords periodically and replace them if damaged. Keep handles dry, clean, and free from oil and grease.
- DISCONNECT TOOLS. Unplug the tool when not in use, when moving the tool from place to place, before servicing, and when changing accessories (such as blades, bits, and cutters) or making adjustments.
- REMOVE ADJUSTING KEYS AND WRENCHES. Form a habit of checking to see that the key and adjusting wrenches are removed from the tool before turning it on.
- AVOID UNINTENTIONAL STARTING. Don’t carry a tool with your finger on the switch. Be sure the switch is off when plugging in.
- OUTDOOR USE EXTENSION CORDS. When the tool is used outdoors, use only extension cords intended for use outdoors and so marked.
- STAY ALERT. Watch what you are doing. Use common sense. Do not operate the tool when you are tired or otherwise impaired.
- CHECK DAMAGED PARTS. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service centre. Do not use the tool if the switch does not turn it on and off.
- REPAIRS AND SERVICE. Repairs, maintenance and any adjustments not specified in this manual should be performed by authorized service centres or other qualified service organizations, always using identical replacement parts.
- USE OF ACCESSORIES AND ATTACHMENTS. The use of any accessory or attachment not recommended for use with the tool could be hazardous. Note: Refer to the accessory section of this manual for further details.

SAFETY GUIDELINES – DEFINITIONS
You need to read and understand this manual. The information it contains relates to protecting YOUR SAFETY and PREVENTING

- **PROBLEMS.** The symbols below are used to help you recognize this information.
- **DANGER:** Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury.
- **WARNING:** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
- **CAUTION:** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.
- **CAUTION:** Used without the safety alert symbol indicates a potentially hazardous situation that, if not avoided, may result in property damage.

Safety Rules for Rotary Tools

- Hold power tool by insulated gripping surfaces, because the cutter may contact its own cord. Cutting a” live” wire may make exposed metal parts of the power tool” live” and shock the operator.
- Use clamps or another practical way to secure and support the workpiece to a stable platform. Holding the work by your hand or against the body leaves it unstable and may lead to loss of control.

- Accessories must be rated for at least the speed recommended on the tool warning label. Wheels and other accessories running at rated speed can fly apart and cause injury.
- If cutting into existing walls or other blind areas where electrical wiring may exist is unavoidable, disconnect all fuses or circuit breakers feeding this worksite.
- Do not operate the flexible shaft with a sharp bend. Overbending the shaft can generate excessive heat on the jacket or handpiece. The recommended minimum is 5″ radius.
- Always disconnect the power cord from the power source before making any adjustments or attaching any accessories. You may unexpectedly cause the tool to start leading to serious personal injury.
- Be aware of the switch location, when placing the tool down or when picking the tool up. You may accidentally activate the switch.
- Always hold the handpiece firmly in your hands during the start-up. The reaction torque of the motor, as it accelerates to full speed, can cause the shaft to twist
- Always wear safety goggles and a dust mask. Use only in well-ventilated areas. Using personal safety devices and working in a safe environment reduces the risk of injury.
- Do not reach the area of the spinning bit. The proximity of the spinning bit to your hand may not always be obvious.
- Allow brushes to run at operating speed for at least one minute before using the wheel. During this time no one is to stand in front or in line with the brush. Loose bristles or wires will be discharged during the run-in time.
- Wire and bristle brushes must never be operated at speeds greater than 15,000/min. Direct the discharge of the spinning wire brush away from you. Small particles and tiny wire fragments may be discharged at high velocity during the “cleaning” action with these brushes and may become embedded in your skin. Bristles or wires will be discharged from the brush at high speeds.
- Wear protective gloves and face shields with wire or bristle brushes. Apply wire or bristle brushes lightly to the work as only the tips of the wire/bristles do the work. “Heavy” pressure on bristles will cause the wire or bristle to become overstressed resulting in a wiping action and will cause the bristles/wire to be discharged.
- Carefully handle both the tool and individual grinding wheel to avoid chipping or cracking. Install a new wheel if tool is dropped while grinding. Do not use a wheel that may be damaged. Fragments from a wheel that burst during operation will fly away at great velocity possibly striking you or bystanders.
- Never use dull or damaged bits. Sharp bits must be handled with care. Damaged bits can snap during use. Dull bits require more force to push the tool, possibly causing the bit to break.
- Use clamps to support the work piece whenever practical. Never hold a small workpiece in one hand and the tool in the other hand while in use. Allow for sufficient space, at least “6”, between your hand and the spinning bit. Round materials such as dowel rods, pipes or tubing tend to roll while being cut, and may cause the bit to “bite” or jump toward you. Clamping a small workpiece allows you to use both hands to control the tool.
- Inspect your workpiece before cutting. When cutting irregularly shaped workpieces, plan your work so it will not slip and pinch the bit and be torn from your hand. For example, if carving wood, make sure there are no nails or foreign objects in the workpiece. Nails or foreign objects can cause the bit to jump.
- Never start the tool when the bit is engaged in the material. The bit cutting edge may grab the material causing loss of control of the cutter.
- Avoid bouncing and snagging the wheel, especially when working corners, sharp edges etc. This can cause loss of control and kick-back.
- The direction of feed with the bit into the material when carving, routing or cutting is very important. Always feed the bit into the material in the same direction as the cutting edge is exiting from the material (which is the

same direction as the chips are thrown). Feeding the tool in the wrong direction, causes the cutting edge of the bit to climb out of the work and pull the tool in the direction of this feed.

- If the workpiece or bit becomes jammed or bogged down, turn the tool “OFF” by the switch. Wait for all moving parts to stop and unplug the tool, then work to free the jammed material. If the switch to the tool is left “ON” the tool could restart unexpectedly causing serious personal injury.
- Do not leave a running tool unattended, turn the power off. Only when the tool comes to a complete stop is it safe to put it down?
- Do not grind or sand near flammable materials. Sparks from the wheel could ignite these materials.
- Do not touch the bit or collet after use. After use the bit and collet are too hot to be touched by bare hands.
- Regularly clean the tool’s air vents by compressed air. Excessive accumulation of powdered metal inside the motor housing may cause electrical failures.
- Do not allow familiarity gained from frequent use of your rotary tool to become commonplace. Always remember that a careless fraction of a second is sufficient to inflict severe injury.
- Do not alter or misuse the tool. Any alteration or modification is a misuse and may result in serious personal injury.
- This product is not intended for use as a dental drill, in human or veterinary medical applications. Serious personal injury may result.
- When using steel saws, cutoff wheels, high-speed cutters or tungsten carbide cutters, always have the work securely clamped. Never attempt to hold the work with one hand while using any of these accessories. The reason is that these wheels will grab if they become slightly canted in the groove, and can kickback be causing loss of control and resulting in serious injury. Your second hand should be used to steady and guide the hand holding the tool. When a cutoff wheel grabs, the wheel itself usually breaks. When the steel saw, high-speed cutters or tungsten carbide cutter grab, it may jump from the groove and you could lose control of the tool.
- Use only Neu Master accessories for high performance. Other accessories are not designed for this tool and may lead to personal injury or property damage.
- After changing bits or making any adjustments make sure the bit is properly secured by an included wrench. Loose adjustment devices can unexpectedly shift, causing loss of control, and loose rotating components may be ejected.

Important Electrical Information

Use only an extension cord that will accept the plug on the product. Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. A SJT-type cord is required. Cord shall be 14 AWG minimum for general indoor use. This appliance has a polarized plug (one blade is wider than the other). To reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not modify the plug in any way. When servicing, only use identical service parts. Contact Phalanx for a replacement cord set.

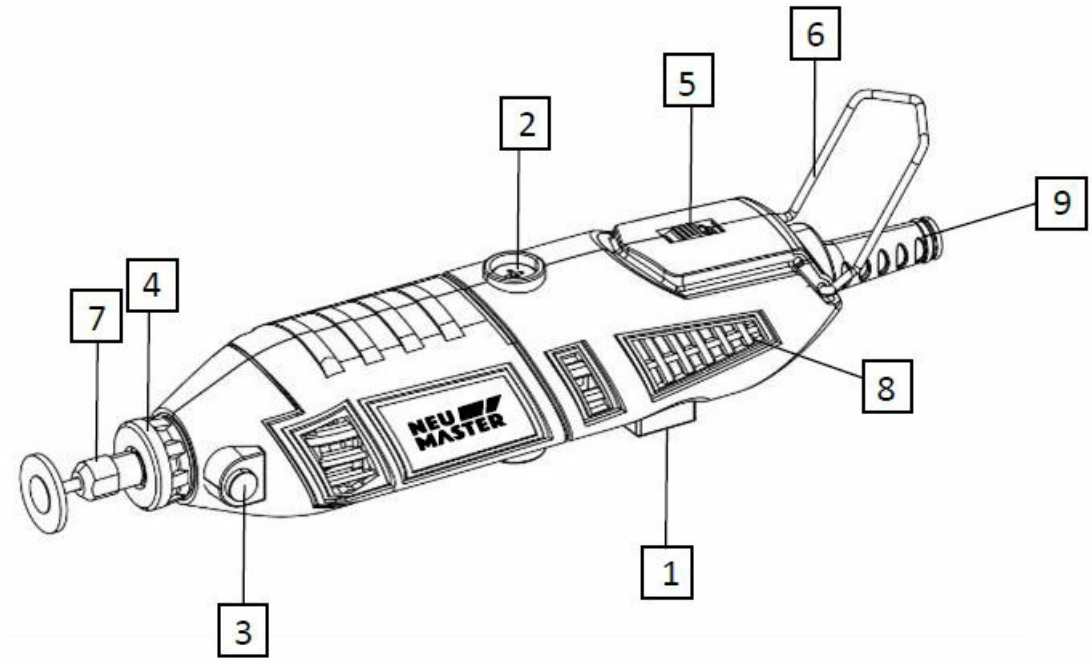
For proper-size cords see the chart below:

Minimum Gage for Cord Sets

Volts			Total length of Cord in Feet			
120V			0-25 (0-7.6m)	26-50 (7.6-15.2m)	51-100 (15.2-30.4m)	101-150 (30.4-45.7m)
240V			0-50 (0-15.2m)	51-100 (15.2-30.4m)	101-200 (30.4-60.9)	201-300 (60.9-91.4m)
Ampere Rating						
More Than		Not More Than	American Wire Gage			
0	-	6	18	16	16	14
6	-	10	18	16	14	12
10	-	12	16	16	14	12
12	-	16	14	12	Not Recommended	

Be sure your power supply agrees with the nameplate marking. 120 Volts AC only means your tool will operate on standard 60 Hz household power. Do not operate AC tools on DC. Lower voltage will cause loss of power performance.

Description and Features



1. On/Off Switch
2. Carbon Brush Cover (one on each side)
3. Spindle Lock Button
4. Umbrella Cover
5. Variable Speed Dial
6. Wire hanger
7. Collet Nut
8. Ventilation Openings
9. Power cord

WARNING

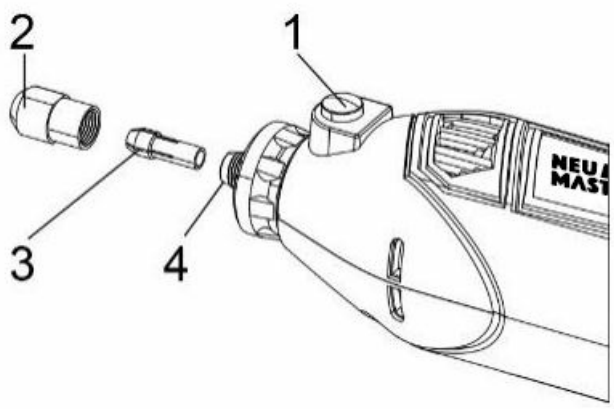
- **WARNING** Always unplug the Rotary Tool change collets or service your Rotary Tool.
- **WARNING** after changing or making and adjustments, make sure the bit is properly secured by an included wrench. Loose adjustment devices can unexpectedly shift, causing loss of control, and loose rotating components may be ejected.

Assembly & Operation

Changing the Collet
Some accessories require the use of different-sized collets. Collet sizes can be Metric 3.0mm, 1/16” 3/32”, 1/8”. It is important to ensure that the collet size matches the accessory. A collet diameter just a little bigger than the accessories diameter is the better fit.

WARNING:
Using a collet that is too large for the accessory will result in the accessory possibly being thrown from the tool causing serious injury.

1. Turn the tool switch OFF and remove the plug from the power source
2. Depress the spindle lock button (1) and slowly turn the collet nut (2) until the spindle lock button locks the spindle with a click down.
3. While holding the spindle lock button down, turn the collet nut counterclockwise until it is removed.
4. Remove the collet (3) by pulling it out of the spindle (4)
5. Insert the replacement collet into the spindle and replace the collet nut by turning it clockwise while holding the spindle lock button down.



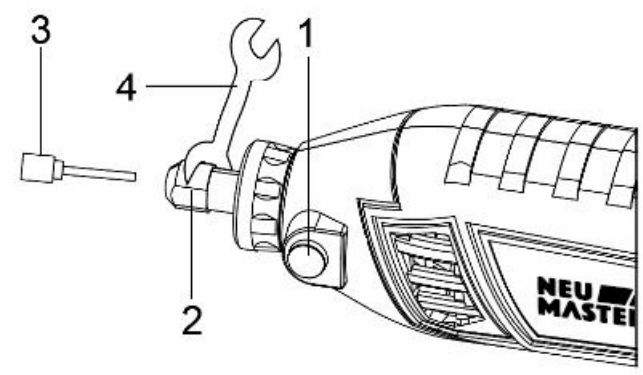
Note:
Do not tighten the collet nut without an accessory installed in the collet. You will damage the collet.

Installing Accessories

1. Turn the switch OFF and disconnect the tool from the power source.
2. Depress the spindle lock button (1) and slowly turn the collet (2) until the spindle lock button locks the spindle with a click down.
3. While holding the spindle lock button down, turn the collet nut counterclockwise until the collet is loose inside the collet nut.
4. Insert the accessory (3) into the collet.
   Notes:

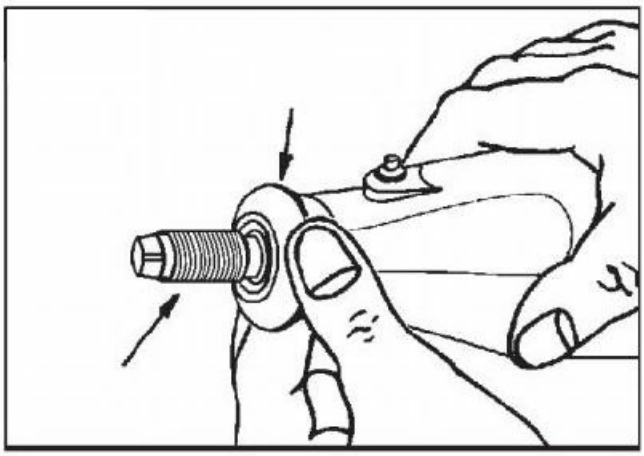
- **A.** 4 collet size to accommodate different accessories shank size. Make sure the correct collet is used for the accessory. If the collet is too large, 7replace the collet with the next smaller size.
- **B.** Insert the accessory all the way in until it stops.

5. Press the spindle lock button and engage it in the spindle. While holding the spindle lock button down, hand tighten the collet by turning it clockwise. Note: Do not use pliers to tighten the collet nut. Use the small wrench (4) supplied. Over-tightening will cause damage to the tool.
6. Try to pull the accessory out to ensure it is securely in place. (Can not pull out means secured)

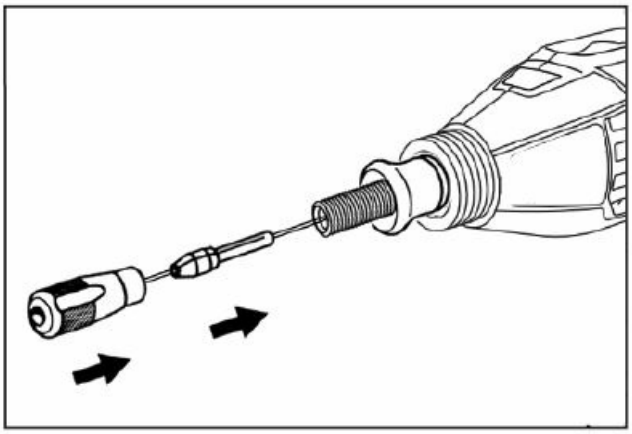


Flexible Shaft Assembly

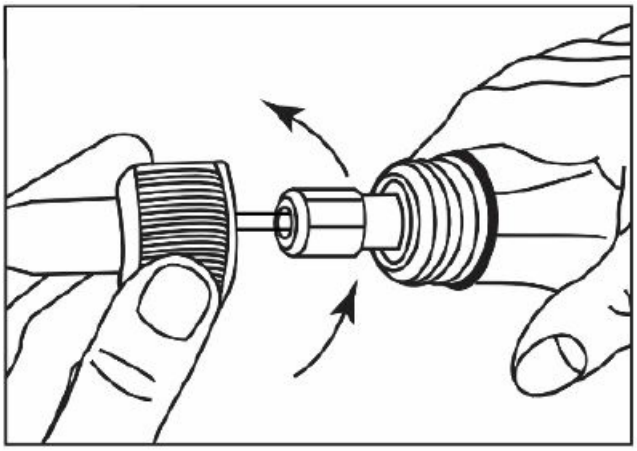
1. Turn and remove the umbrella Cover.



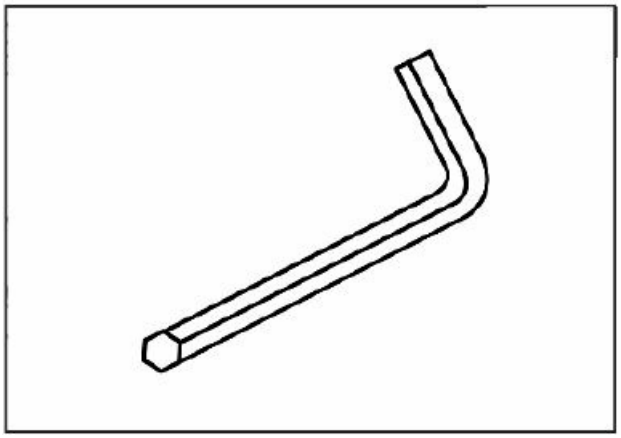
2. Pull put the shaft core and place it into the spindle hole. Fix it as per the instructions for collet assembly.



3. Turn and fit the shaft cover onto the rotary tool head.



4. Attach the accessory to the flexible head same as the above instruction for “installing accessories”. The only difference is that we need to use a special included wrench to lock the shaft from rotation.



Rotary Tool Introduction

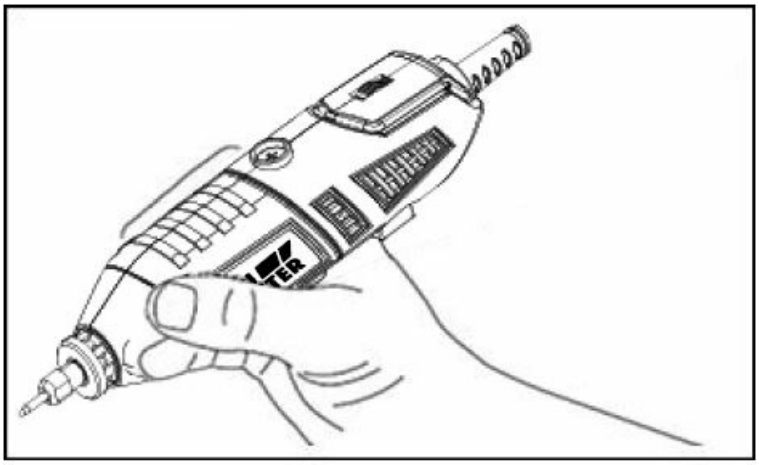
- A rotary tool is a handheld power tool with a rotary tip that accepts a variety of attachments for different tasks like sanding, polishing, carving and more. Its compact size, versatility and high speed make it an appealing alternative to large, bulky power tools.
- A rotary tool is a high-speed speed low torque tool. You don’t apply pressure to the tool but simply hold it in hand and guide it to get its job done easily. The key takeaway of a rotary tool is a matter of learning how to let its speed work for you.
- The first step in learning to use rotary tool is to get the “feeling” of it. Hold it in your hands and get the feel of its weight, grip, tumbling, etc.

WARNING
Always wear eye protection. Always hold the tool away from your face. Accessories can be damaged during handling and can fly apart as they come up to speed. This is not common, but it does happen.

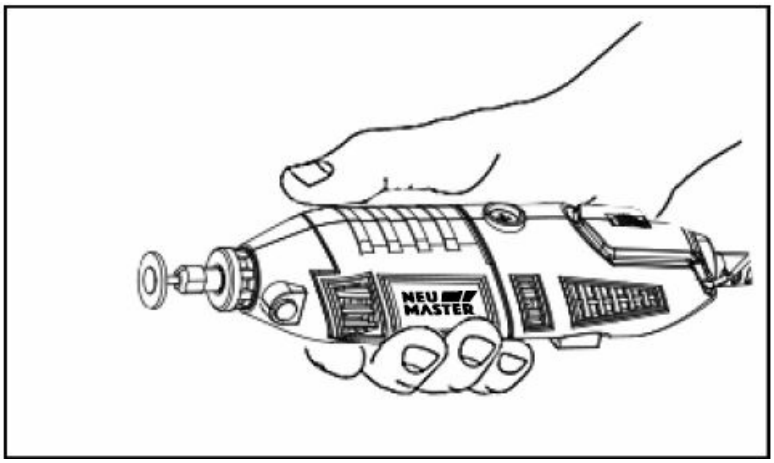
CAUTION
Whenever you hold the tool. Be careful not to cover the air ventilation openings with your hand. This blocks the airflow and causes the motor to overheat.

How to Hold the Tool in Hand

- **Drawing Grip:** For best control in close work, grip the rotary tool like a pencil between your thumb and forefinger.



- **Putting Grip:** Holding the tool like golf putter, used for more aggressive operations such as grinding a flat surface or using cutoff wheels



Practice on scrap materials first to see how the Rotary Tool's high-speed action performs. Keep in mind that the work is done by the speed of the tool and by the accessory in the collet. You should not lean on or push the tool during use. Instead, lower the spinning accessory lightly to the work and allow it to touch the point at which you want cutting (or sanding or etching, etc.) to begin. Concentrate on guiding the tool over the work using very little pressure from your hand. Allow the accessory to do the work.

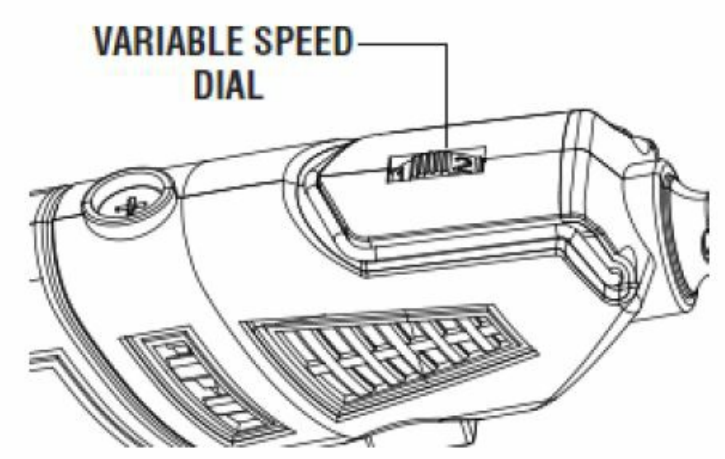
Usually, it is best to make a series of passes with the tool rather than attempt to do all the work in one pass. To cut, for example, pass the tool back and forth over the work, much as you would a small paintbrush. Cut a little material on each pass until you reach the desired depth. For most work, the gentle touch is best. With it, you have the best control, are less likely to make errors, and will get the most efficient work out of the accessory. The hanger is provided for the use of hanging your tool while using the flex shaft or for storage. If you do not use the hanger, snap it back into place so it will be out of the way while the tool is in use.

Turn on/off the Tool
The tool is turned on or off by pressing the power switch.

Operating Speeds

- The speed of the Rotary Tool can be adjusted by turning the dial on the housing.
- Certain materials, however, (some plastics and precious metals, for example, require relatively slow speed because at high speed the friction of the accessory generates heat and may cause damage to the material.
- Slow speeds (15,000 RPM or less) usually are best for polishing operations employing felt polishing accessories. They may also be best for working on delicate projects such as "eggery" work, delicate wood carving and fragile model parts. All brushing applications require lower speeds to avoid wire discharge from the holder.

- Higher speeds are better for carving, cutting, routing, shaping, and cutting dadoes or rabbets in wood.
- Hardwoods, metals and glass require high-speed operation, and drilling should also be done at high speeds.
- Ultimately, the best way to determine the correct speed for work on any material is to practice for a few minutes on a piece of scrap, even after referring to the chart. You can quickly learn that a slower or faster speed is more effective just by observing what happens as you make a pass or two at different speeds. When working with plastic, for example, start at a slow rate of speed and increase the speed until you observe that the plastic is melting at the point of contact. Then reduce the speed slightly to get the optimum working speed.



Some rules of thumb concerning speed:

1. Plastic and other materials that melt at low temperatures should be cut at low speeds.
2. Polishing, buffing and cleaning with any type of bristle brush must be done at speeds not greater than 15,000 RPM to prevent damage to the brush from bristles flying toward the operator.
3. Wood should be cut at high speed.
4. Iron or steel should be cut at high speed. If a high-speed steel cutter starts to chatter — this normally means it is running too slow.
5. Aluminium, copper alloys, lead alloys, zinc alloys and tin may be cut at various speeds, depending on the type of cutting being done. Use paraffin or other suitable lubricant on the cutter to prevent the cut material from adhering to the cutter teeth.

Increasing the pressure on the tool is not the answer when it is not performing as you think it should. Perhaps you should be using a different accessory, and perhaps a speed adjustment would solve the problem. Leaning on the tool does not help.

Let speed do the work!

Recommend Speed for applications against material

Operations	Soft Wood	Hard Wood	Laminates Plastic	Steel	Aluminum Brassm Etc.	Shell Stone	Ceramic	Glass
Cutting	4-5	4-5	2-3	2-3	3-4	-	-	-
Sanding	1-max	1-max	1-3	4-max	4-max	1-max	1-max	
Engraving	5-max	5-max	3-5	1-2	2-4	-	-	-
Finishing abrasive buffs	2-3	2-3	2-3	2-3	2-3	-	-	-
Drilling holes	5-max	4-max	1-2	-	2-3	1-3	1-3	1-3
Grinding	5-max	5-max	2-3	4-max	2-3	2-3	5-max	5-max
Polishing	-	-	-	3-5	3-5	3-4	3-4	3-4

Maintenance Information and Cleaning

WARNING
To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustments (other than those listed in this manual) should be performed by authorized service centres or other qualified service personnel, always using identical replacement parts.

WARNING
To avoid injury from unexpected starting or electrical shock, always remove the plug from the wall outlet before performing service or cleaning.

Carbon Brushes

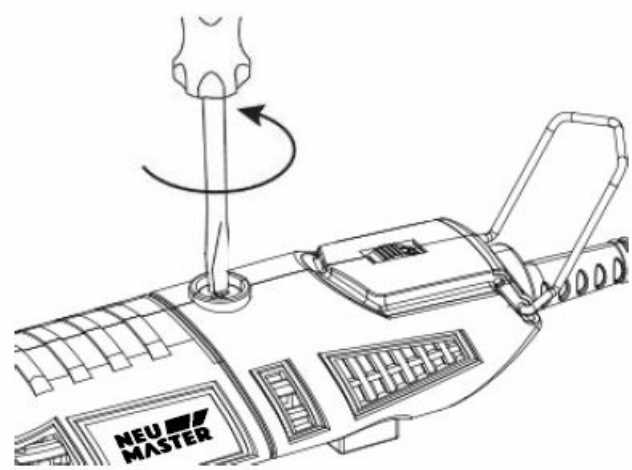
- The brushes and commutator in your tool have been engineered for many hours of dependable service.
- To prepare your brushes for use, run your tool at full speed for 5 minutes under no load. This will properly “seat” your brushes, which extends the life of both your brushes and your tool.
- To maintain the peak efficiency of the motor, we recommend every 40 – 50 hours the brushes be examined. Only Neu Master replacement brushes specially designed for your tool should be used.

Maintenance of Replaceable Brushes
The brushes should be inspected frequently when tools are used continuously. If your tool runs sporadically, loses power, makes unusual noises or runs at a reduced speed, check the brushes.

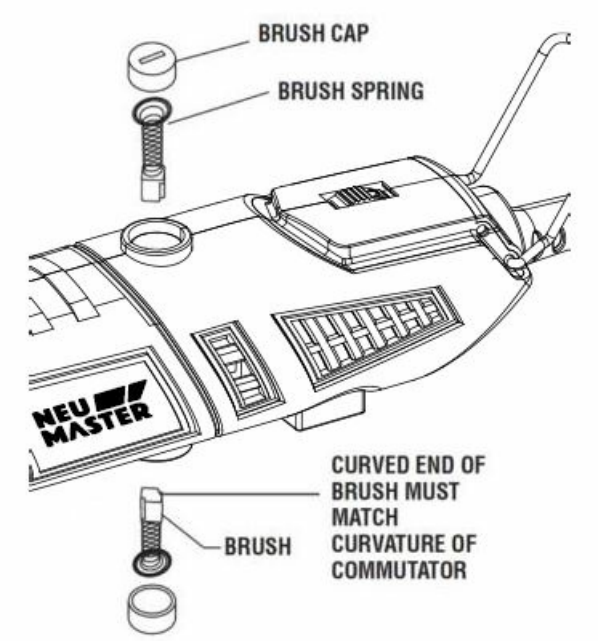
CAUTION
Continue using the rotary tool in the condition that will permanently damage your tool.

Please follow these steps to check/change the rotary tool carbon brushes:

1. Make sure the cord is unplugged, and place the rotary tool on a clean flat surface. Use a screwdriver to remove the carbon brush cover on the housing. There are two brushes located on each side.



2. Pulling the spring out together with the carbon brushes. If the brushes are less than 3mm long and the end surface of the brush that contacts the commutator is rough and/or pitted, then they should be replaced. Usually, the brushes will not wear out simultaneously. If one brush is worn out, replace both brushes. Make sure the brushes are installed as illustrated. The curved surface of the brush must match the curvature of the commutator. Also, check that the brush covers sit flush with the tool housing.
3. After replacing brushes, the tool should be run at no load; place it on a clean surface and run it freely at full speed for 5 minutes before loading (or using) the tool. This helps brushes “seat” properly and will give you more hours of life from each set of brushes. This will also extend the total life cycle of your rotary tool since the commutator surface will “wear” longer.

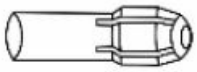


Cleaning
Keep the intake openings on the housing clean and free of obstruction. As a so, dry brush to clean the openings periodically. Use only a damp cloth to clean the heat gun. Many household cleaners contain chemicals that could seriously damage the housing. Do not use gasoline, turpentine, lacquer or paint thinner, dry-cleaning uids or similar products when cleaning the heat gun. Never allow any liquid to get inside the tool or I use any part of the tool into a liquid.

Neu Master Attachments

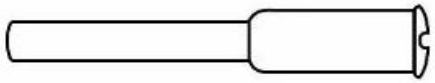
WARNING
Use only Neu Master accessories for best performance. Other accessories are not designed for this tool and may lead to personal injury or property damage.

- **Collets:** As a band, accepting shank of accessories and tighten to grip it. So that the spindle rotation can pass to biters. There are 5 diameter collets supplied. There are 3/32” (Assembled), Metric 3.0mm, 1/16”, 3/32”, 1/8”.

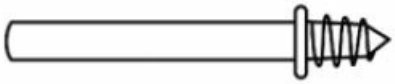


WARNING Use only Neu Master accessories for best performance. Other accessories are not designed for this tool and may lead to personal injury or property damage.

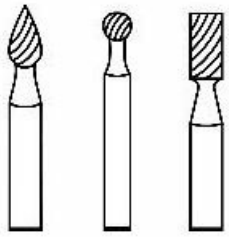
- **Mandrels:** A mandrel is a shank with a threaded or screw head which is required when you use polishing accessories, cutting wheels, sanding discs, and polishing points. The reason mandrels are used is that sanding discs, cutting wheels and similar accessories must be replaced frequently. The mandrel is a permanent shank, allowing you to replace only the worn head, when necessary, thus saving the expense of replacing the shaft each time.



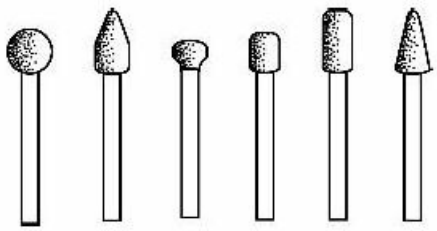
- **Screw Mandrel:** This is a mandrel with a small screw at its tip, and is used with emery and fiberglass cutting wheels, sanding discs and polishing wheels. 1/8″ shank.



- **Safe-tape screw Mandrel:** This is a screw mandrel used with the felt polishing tip and felt polishing wheels. 1/8″ shank.



- **Engraving Cutters:** This group has a wide variety of sizes and shapes, and is made for intricate work on ceramics, wood carvings, jewellery and scrimshaw. They often are used in making complicated printed circuit boards. They should not be used on steel and other very hard materials but are excellent on wood, plastic and soft metals. 3/32″ shank.



- **Structured Tooth Tungsten Carbide Cutters:** Fast cutting, needle-sharp teeth for greater material removal with minimum loading. Use on fibreglass, wood, plastic, epoxy and rubber. 1/8″ shank.

- **Wire Brushes:** For best results, wire brushes should be used at speeds not greater than 15,000 RPM. Their

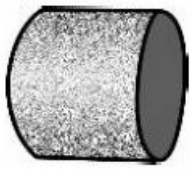
wires are stainless steel, brass and carbon wire which perform well on pewter, aluminium, stainless steel, and other metals, without leaving “after-rust”.

- **Bristle Brushes:** These are excellent cleaning tools on silverware, jewellery and antiques. The three shapes make it possible to get into tight corners and other difficult places. Bristle brushes can be used with a polishing compound for faster cleaning or polishing.

Tips for Bristle brushes:

1. Remember, the tips of a bristle brushes do the work. Operate the brush with the lightest pressure so only the tips of the wire come in contact with the work.
2. If heavier pressures are used, the bristle will be overstressed, resulting in a wiping action; and if this is continued, the life of the brush will be shortened due to wire fatigue.
3. Apply the brush to the work in such a way that as much of the brush face as possible is in full contact with the work. Applying the side or edge of the brush to the work will result in wire breakage and shortened brush life.

- **Polishing:** Cloth polishing wheel, all used for polishing plastics, metals, jewellery and small parts. For best results, polishing accessories should be used at speeds not greater than 15,000 RPM.



- **Drum Sander:** A tiny drum that fits into the Rotary Tool and makes it possible to shape wood, smooth fibreglass, sand inside curves and other difficult places, and other sanding jobs. You replace the sanding bands on the drum as they become worn and lose their grit. Bands come in fine medium and coarse grades.

- **Drywall Cutting Bit:** To cut in the drywall.

Customer Service & Warranty

This tool is guaranteed for 1 year from the date of purchase, if bought in-store, delivered or if bought online. You may only make a claim under this guarantee upon presentation of your sales receipt or purchase invoice. Please keep your proof of purchase in a safe place.

This guarantee covers product failures and malfunctions provided the NEU MASTER power tool was used for the purpose for which it is intended and is subject to installation, cleaning, care and maintenance by standard practice and with the information contained above and in the user manual.

This guarantee does not cover defects and damage caused by or resulting from:

- Normal wear and tear
- Overload, misuse or neglect
- Repairs attempted by anyone other than an authorized agent
- Cosmetic damage

- Damage caused by foreign objects, substances or accidents
- Accidental damage or modification
- Failure to follow the manufacturer’s guidelines

The product is designed for home usage only. If used for commercial or rental purposes. This warranty applies only for 30 days from the date of purchase.

In the United States, to contact a customer service representative, mail our Technical Service at spartartool@gmail.com 24/7. We will get back to you within 24 hours.

- **Customer Service Email:** spartartool@gmail.com.

Model: NRT4335-10C.

Documents / Resources

	NEU MASTER NRT4335-10C Rotary Tool Kit [pdf] Instruction Manual NRT4335-10C Rotary Tool Kit, NRT4335-10C, Rotary Tool Kit, Tool Kit, Kit

References

- User Manual