SOFTWARE & TECH

Dremel Multipro 395 Type 5 Manual

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Introduction to the Dremel Multipro 395 Type 5 Manual

When you own a versatile rotary tool like the Dremel Multipro 395 Type 5, having the official manual at your fingertips is not just helpful—it's essential. This compact, powerful tool has been a favorite among DIY enthusiasts, craftspeople, and hobbyists for decades. The **Dremel Multipro 395 Type 5 manual** is your comprehensive guide to unlocking the full potential of this rotary tool while ensuring safe and efficient operation. Whether you are a first-time user or a seasoned professional revisiting this classic model, the manual provides detailed instructions on assembly, variable speed control, accessory changes, maintenance, and troubleshooting. This article dives deep into the content typically found in the manual, offering you a practical walkthrough that mirrors the official documentation. By understanding the key sections of the manual, you can extend the life of your tool, improve your project outcomes, and avoid common mistakes.

Overview of the Dremel Multipro 395 Type 5

Before delving into the manual's specifics, it helps to understand what makes the Dremel 395 a standout tool. The Multipro 395 is a high-speed rotary tool that accepts a wide range of accessories for cutting, grinding, sanding, carving, polishing, and routing. The *Type 5* designation indicates a particular revision of the model, often featuring a more durable housing or improved collet system. The manual clearly distinguishes between the Type 5 and earlier versions, so always verify your tool's type code on the nameplate before referring to any instructions. Key technical specs include a no-load speed range of 5,000 to 33,000 RPM, a 1.2-amp motor, and a weight of approximately 1.2 pounds. The variable speed dial allows precise control, making it suitable for delicate tasks (like etching glass) as well as heavy-duty material removal.

What Is Included in the Dremel Multipro 395 Type 5 Manual

The **Dremel Multipro 395 Type 5 manual** typically contains several core sections. Understanding what each part covers helps you navigate it quickly when you need answers.

Safety Instructions and Warnings

Every official manual begins with critical safety information. For the Dremel 395, this includes warnings about eye protection, dust inhalation, proper holding technique, and the risk of kickback. The manual emphasizes that the tool is not intended for use in explosive atmospheres and that accessories must be rated for at least the tool's maximum speed. Always read and follow these warnings before operating the tool.

Parts Identification and Assembly

This section includes an exploded diagram of the Dremel Multipro 395 Type 5, labeling each component: the housing, speed control dial, on/off switch, shaft lock, collet nut, collet, wrench, wrench holder, vent slots, and the accessory storage compartment. The manual provides step-by-step instructions for inserting and tightening

collets, as well as attaching the wrench holder to the power cord to prevent it from getting lost. It also explains how to install the optional cutout guide or router base.

Variable Speed Settings and Operation

One of the most valuable parts of the manual is the speed selection guide. The Dremel 395 Type 5 features a graduated dial from 1 (low) to 10 (high). The manual recommends specific speed ranges for different materials and accessories:

- Low speeds (1–3): For polishing plastics, delicate carving, and light cleaning with felt polishing tips.
- Medium speeds (4–6): For sharpening lawn mower blades, sanding wood, and cutting soft metals.
- High speeds (7–10): For cutting steel, stone, glass, and using high-speed cutters or grinding stones.

The manual also explains how to depress the shaft lock button only when the tool is switched off to avoid damage to the gear train.

How to Use the Dremel Multipro 395 Type 5 Safely and Effectively

Reading the manual transforms you from a casual user into an informed operator. The official documentation offers specific guidance that goes beyond common sense.

Proper Grip and Control

Hold the tool like a pencil when performing detail work, or grip the body with both hands for heavier tasks. The manual recommends always supporting the tool with your thumb on the housing near the collet for maximum stability. Avoid applying excessive pressure—let the high RPM do the work.

Changing Accessories

One of the most frequent questions about the Dremel Multipro 395 Type 5 concerns accessory changes. The manual presents a clear sequence:

1. Unplug the tool (always).
2. Insert the Dremel wrench into the holes on the collet nut.
3. Press the orange or silver shaft lock button on the top of the housing.
4. While holding the shaft lock, turn the wrench counterclockwise to loosen the nut.
5. Remove the old accessory and collet if needed.
6. Insert the appropriate collet (standard collet sizes: 1/32", 1/16", 3/32", 1/8") for the accessory shank diameter.
7. Place the accessory into the collet, tighten the nut clockwise while holding the shaft lock.

The manual emphasizes that **never run the tool without an accessory inserted**because the collet can become deformed.

Variable Speed Adjustment During Use

With the Dremel Multipro 395 Type 5, you can adjust speed while the tool is running. The manual suggests starting at a lower speed, then gradually increasing until you find the sweet spot where the tool performs smoothly without stalling or overheating the material. For example, when using a sanding drum on wood, start at speed 4 and increase until you achieve a clean cut without burning the wood.

Maintenance and Care Based on the Manual

Regular maintenance extends the lifespan of your rotary tool significantly. The manual provides straightforward routines.

Cleaning the Collet and Shaft

After each use, especially if working with dusty materials, remove the collet and clean the internal taper with a dry cloth. The manual warns against using compressed air inside the motor housing, as dust can be forced into the bearings. Instead, use a soft brush to clear debris from the vent slots.

Lubricating the Collet

Apply a drop of light machine oil to the collet thread every ten hours of use. Avoid over-lubricating, as excess oil can attract dust and cause slipping.

Checking the Carbon Brushes

The Dremel 395 Type 5 features replaceable carbon brushes. The manual includes instructions on how to inspect them: remove the brush caps on the sides of the tool, pull out the brushes, and replace them if they are shorter than 5 mm. Always replace both brushes at the same time.

Accessories and Their Usage per the Manual

The Dremel Multipro 395 Type 5 manual includes a reference chart of recommended accessories. While you are not limited to Dremel-branded accessories, the manual highlights that non-brand accessories may not be balanced for high-speed use, leading to vibration and tool wear.

Cutting Accessories

Use reinforced cutting wheels (E-Z Lock) for metal, tile, and plastic. The manual instructs to let the wheel do the cutting—do not tilt the tool or force it sideways, as the wheel can shatter.

Sanding and Grinding

Sanding drums, flap wheels, and grinding stones work best between speeds 5 and 8. The manual suggests using the optional sanding platform for flat surfaces to avoid gouging.

Polishing and Cleaning

Felt polishing tips and bristle brushes are ideal at low speeds (1–3) with the appropriate compound (rouge or Tripoli). The manual warns against using too much pressure, which can heat the plastic and melt it.

Troubleshooting Common Issues Using the Manual

No tool is perfect, but the manual’s troubleshooting section can solve many problems without a trip to the repair shop.

Tool Does Not Start

- Check the power cord for damage.
- Ensure the speed dial is not on the "0" position (some models have an off position at the lowest end).
- Inspect the carbon brushes—if worn out, they will not make contact.
- If the tool hums but does not spin, the shaft may be locked; manually rotate the collet to free it.

Excessive Vibration

- Most likely an unbalanced or bent accessory. Replace it.
- Check if the collet is clean; dirt can cause the accessory to sit crookedly.
- Verify that the collet nut is properly tightened.

Speed Fluctuates Under Load

- This is normal for a universal motor. However, if it drops drastically, the brushes may be worn, or the tool may be overheating. Allow it to cool down.

Tips for Getting the Most from Your Dremel Multipro 395 Type 5 Manual

Keep the physical manual in a safe, dry place—preferably inside the tool's storage case if available. If you have misplaced the printed copy, you can download a PDF version from Dremel's official website by searching for "**Dremel Multipro 395 Type 5 manual**." The PDF is searchable, making it easy to find specific terms like "collet replacement" or "speed setting for glass."

Additionally, the manual often includes a list of authorized service centers and a two-year warranty statement. Register your tool online to keep warranty information accessible.

Conclusion

The **Dremel Multipro 395 Type 5 manual** is more than a booklet—it is your roadmap to safe, creative, and efficient use of a classic rotary tool. From understanding the variable speed dial to mastering accessory changes, every page of the manual empowers you to tackle projects with confidence. Whether you are engraving glass, cutting drywall, sharpening shears, or polishing silver, referring to the manual ensures you use the correct technique and avoid damaging your tool or workpiece. Keep your manual accessible, follow its guidelines, and your Dremel 395 will serve you reliably for many years. If you have not yet read the official manual, take fifteen minutes to go through it—you will be surprised how many features and tips you have been missing.

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