

DREMEL®

30 MINUTE MIRACLES

TOP 10 QUICK AND EASY HOME IMPROVEMENT PROJECTS YOU CAN DO YOURSELF IN 30 MINUTES OR LESS

In tough economic times, many homeowners are forced to trade “moving up” for “fixing up.” But home improvement tasks can prove daunting for those with little time or money to spare. That’s why **Dremel**, the trusted name in rotary and oscillating tool technology, has teamed up with nationally recognized home improvement expert **Paul Ryan**, host of DIY Network’s popular “Kitchen Renovations” series, to provide you with easy-to-follow tips for completing 10 of the most common home repair and remodeling projects — all in 30 minutes or less. Whether you are an experienced DIYer or just getting started, these simple steps will help you update your home ... without breaking the bank.



< **Paul Ryan**
Home Improvement Expert
DIY Network



GET ORGANIZED

30 MINUTE
MIRACLES

GET ORGANIZED: 30 MINUTES SPENT NOW = HOURS SAVED LATER

First things first – organizing your tools and other DIY supplies in your garage or workshop will speed up all future projects since you'll know exactly where all of your supplies are when you're ready to begin. Hanging tools, such as a set of screwdrivers, on a pegboard allows you to easily see and grab just what you need. It's a quick fix project using a Dremel rotary tool that will save time in the long run.

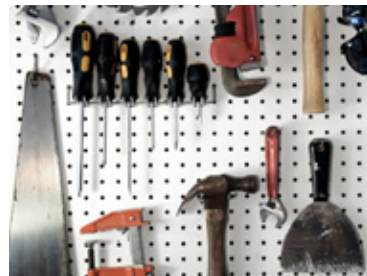
- **STEP ONE:** Cut pegboard to the correct size using a Dremel rotary tool, such as the **Dremel 4000 Rotary Tool**, **670 Mini Saw Attachment** and **546 Rip/Crosscut Blade**. First, mark the area you wish to cut and clamp the pegboard to a secure surface. Move the tool in the direction of the arrow on the side of the attachment at a moderate speed rate.
- **STEP TWO:** Pegboard hooks require a gap between the pegboard and the wall so add spacers around the perimeter of the pegboard for this purpose. Use hardware appropriate for your wall surface when hanging the board on your wall.

TOOL LIST

- > DREMEL 4000
ROTARY TOOL
- > 670 MINI SAW
ATTACHMENT
- > 546 RIP/CROSSCUT
BLADE

Visit www.dremel.com or
reach the Dremel Experts
at 1-800-437-3635

Safety reminder: When working with Dremel brand or any other power tool, always wear eye protection and a dust mask, and read and understand the owner's manual prior to using.



DREMEL 4000
ROTARY TOOL



546 RIP/CROSSCUT BLADE



670 MINI SAW ATTACHMENT

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GET ORGANIZED

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ORGANIZED CLOSETS = AN ORGANIZED LIFE

It's amazing how quickly a home can go from clean to cluttered, leaving you feeling unorganized and out-of-sorts. One of the easiest ways to make clutter disappear from out in the open and create harmony is to store and organize necessities behind closet doors. Create more storage inside your closet by installing shelves.

- **STEP ONE:** Coated wire shelving can be easily custom-fit to your exact closet dimensions. Begin by measuring the width of your closet space, and mark the measurement directly onto the shelf. Secure the shelf to prevent movement and use a **Dremel 4000 Rotary Tool** with a **Cut-Off Wheel**, such as the **EZ456 EZ-Lock Cut-Off Wheel** and **EZ402 EZ-Lock Mandrel**, to make your cuts. A **575 Right Angle Attachment** will give you a handy angle for cutting.
- **STEP TWO:** Finish by smoothing the new edge with a drum sander accessory or grinding stone, such as the **8193 Aluminum Oxide Grinding Stone** or **407 Sanding Drum**, and then install the shelf according to package directions.



TOOL LIST

- > DREMEL 4000
ROTARY TOOL
- > EZ456 EZ-LOCK
CUT-OFF WHEEL
- > EZ402 EZ-LOCK
MANDREL
- > 575 RIGHT ANGLE
ATTACHMENT
- > 8193 ALUMINUM OXIDE
GRINDING STONE
OR
- > 407 SANDING DRUM

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407 SANDING DRUM

DREMEL 4000
ROTARY TOOL

8193 ALUMINUM OXIDE
GRINDING STONE

EZ456 EZ-LOCK CUT-OFF WHEEL

EZ402 EZ-LOCK MANDREL

575 RIGHT ANGLE ATTACHMENT

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BRAVE THE BATHROOM

30 MINUTE
MIRACLES

FOR A BEAUTIFUL BATH, GET GROUT OUT FAST

Bathrooms tend to look worn and dated faster than other areas of your home simply because they're one of the most trafficked areas and an easy target for dirt and stains. Removing and replacing tile grout, typically as a result of mold accumulation, is a small repair project that pays big dividends in appearance. You can't avoid it, so instead of hiring a contractor or fighting with a hand tool to scrape grout out, invest in a Dremel oscillating or rotary tool to grind away grout in a matter of minutes.

- **STEP ONE:** Remove existing grout material. For larger or more sustained projects, try the **Dremel Multi-Max Oscillating Tool System** with an **MM500** or **MM501 Grout Removal Blade**. For smaller or more detailed projects, a **Dremel 4000 Rotary Tool** equipped with the **568 Grout Removal Attachment** and **569 Carbide Grout Removal Bit** is a good solution. Both tool solutions will do the job and will grind the old grout away in a matter of minutes. After securing the attachment to the tool, guide the blade or bit into the grout and keep at a right angle so as to not nick the tile. In a smooth, even motion, make passes between tiles to remove the grout.
- **STEP TWO:** Next, thoroughly clean the areas where the existing grout was removed before adding the new grout between tiles according to manufacturer directions.



TOOL LIST

- > DREMEL MULTI-MAX OSCILLATING TOOL SYSTEM
- > MM500 OR MM501 GROUT REMOVAL BLADE
- OR
- > DREMEL 4000 ROTARY TOOL
- > 568 GROUT REMOVAL ATTACHMENT
- > 569 CARBIDE GROUT REMOVAL BIT

Visit www.dremel.com or reach the Dremel Experts at 1-800-437-3635

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DREMEL MULTI-MAX

MM500 GROUT
REMOVAL BLADE



568 GROUT REMOVAL
ATTACHMENT

569 CARBIDE GROUT
REMOVAL BIT



DREMEL 4000
ROTARY TOOL

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BRAVE THE BATHROOM

30 MINUTE
MIRACLES

BRIGHT NEW TOILET = BRIGHT NEW BATHROOM

Having an up-to-date toilet fixture will not only give your bathroom a more warm and welcoming appearance, but could cut dollars from your monthly bill if you opt for high-efficiency varieties. Installing a new toilet is a fairly simple procedure, especially if you use a Dremel rotary tool to cut rusty bolts in seconds, instead of struggling with a saw or wrench.

- **STEP ONE:** A Dremel 4000 Rotary Tool equipped with a 575 Right Angle Attachment, EZ402 EZ Lock Mandrel and EZ456 EZ-LOCK Cutting Wheel will help you slice right through rusted bolts to remove your old toilet quickly.
- **STEP TWO:** Use the same tool system again to help you cut new bolts to size once your new “throne” is installed. Use high speed and light pressure when running the tool. Once new bolts have been shortened, install plastic safety caps over them and you’re set.



TOOL LIST

- > DREMEL 4000 ROTARY TOOL
- > 575 RIGHT ANGLE ATTACHMENT
- > EZ402 EZ-LOCK MANDREL
- > EZ456 EZ-LOCK CUT-OFF WHEEL

Visit www.dremel.com or reach the Dremel Experts at 1-800-437-3635

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DREMEL 4000
ROTARY TOOL



EZ456 EZ-LOCK CUT-OFF WHEEL



EZ402 EZ-LOCK MANDREL



575 RIGHT ANGLE ATTACHMENT

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CLEAN THE KITCHEN

30 MINUTE
MIRACLES

SPARKLING FAUCETS = SPARKLING KITCHEN

Not only do you spend tons of time in your kitchen, but guests love to gravitate toward the food, drink and activity often plentiful in the room during get-togethers. A small fix, such as removing mineral and lime buildup from your sink's faucet and handles, will restore the fixture to a sparkling state and give the overall area a more polished, updated look.

- **STEP ONE:** You'll need a **Dremel 4000 Rotary Tool**, **403 Bristle Brush** and **520 Polishing Wheel**. First, attach the bristle brush and set the tool speed to 15,000 rpm or slower. While the tool is running, run it over areas where the buildup is heaviest. Be sure not to press too hard.
- **STEP TWO:** When most of the debris is removed, attach the polishing wheel to clean the rest of the faucet or handle.

This technique is recommended for solid brass or brushed nickel surfaces, and should not be used on plated surfaces, such as chrome.

TOOL LIST

- > DREMEL 4000
ROTARY TOOL
- > 403 BRISTLE BRUSH
- > 520 POLISHING WHEEL

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DREMEL 4000
ROTARY TOOL

520 POLISHING WHEEL

403 BRISTLE BRUSH

DREMEL®



CLEAN THE KITCHEN

30 MINUTE
MIRACLES

KEEP TILES IN TIP-TOP SHAPE

At some point, every homeowner encounters a broken square of tile in the kitchen counter, backsplash or floor that makes the entire room appear run down. You wouldn't hire a landscaper to cut one small square of lawn, so why hire a contractor to repair one unsightly broken tile? The **Dremel Multi-Max**'s versatile nature allows you to complete all steps required in this project with just one tool – and no contractor's bill – to keep your tiles in tip-top shape.

- **STEP ONE:** First, cut away grout surrounding the broken tile with the **MM500 or MM501 Grout Removal Blade**, using a higher speed setting for harder grout material. Then, pry up the broken tile using a chisel if necessary.
- **STEP TWO:** Next, attach the **24-Grit MM920 Carbide Rasp** to the tool and use it to grind away thin-set mortar left behind in the opening. This will allow the new tile to sit flush with surrounding tiles. Brush away debris and clean the area thoroughly before setting the new tile.

TOOL LIST

- > DREMEL MULTI-MAX OSCILLATING TOOL SYSTEM
- > MM500 OR MM501 GROUT REMOVAL BLADE
- > MM920 CARBIDE RASP

Visit www.dremel.com or reach the Dremel Experts at 1-800-437-3635

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DREMEL MULTI-MAX

MM920 CARBIDE
RASP

MM500 GROUT
REMOVAL BLADE

DREMEL®



CLEAN THE KITCHEN

30 MINUTE
MIRACLES

UPDATE YOUR KITCHEN WITH A SIMPLE REFINISHING PROJECT

A modern, updated kitchen tops the wish list of a majority of homeowners. Yet, many people shy away from updating their kitchens because of the cost and legwork involved. However, with just one tool, some paint and a little bit of elbow grease, you can create the effect of a brand new kitchen by refinishing your existing cabinets – one of the most visible components in your kitchen. Tackle each step in 30-minute segments to make the project more manageable.

- **STEP ONE:** Detach all of the drawers and store them in a clean, dry place. Inspect the cabinets for any damage, and repair as needed. Then, wash cabinets to remove any dirt that has accumulated over time.
- **STEP TWO:** In order to make the next step – sanding – as effortless as possible, use the **Dremel Multi-Max** with the **MM11 Sanding Pad** and **MM70W Wood Sandpaper Assortment**. While sanding on medium speed, keep the sanding pad flat to the wood. Always move the pad in the direction of the grain. Finally, paint or stain the cabinets as desired.

TOOL LIST

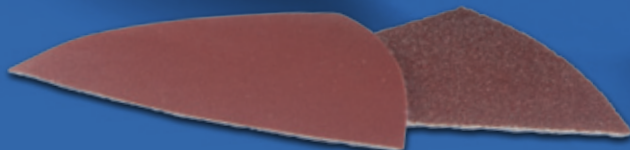
- > DREMEL MULTI-MAX OSCILLATING TOOL SYSTEM
- > MM11 SANDING PAD
- > MM70W WOOD SANDPAPER ASSORTMENT

Visit www.dremel.com or reach the Dremel Experts at 1-800-437-3635

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DREMEL MULTI-MAX



MM70W WOOD SANDPAPER ASSORTMENT

MM11 SANDING PAD

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TIME FOR A CHANGE

30 MINUTE
MIRACLES

8 REMOVE OLD FLOORING WITHOUT AN ADHESIVE NIGHTMARE

Flooring wears out, and when it does, it can leave an entire room looking dated. But just the thought of removing sticky vinyl tiles or pulling up foam backed carpet, then picking at small pieces stuck to the subflooring for hours, is enough to make many people ignore the much-needed home repair. However, the **Dremel Multi-Max** eliminates the need to spend hours scraping tile adhesive or carpet pad off the floor and makes the project much more manageable. Before you know it, you'll be ready to install new flooring or refurbish the hardwood floor you just uncovered.

- **STEP ONE:** Use the **Dremel Multi-Max Oscillating Tool** with an **MM600 Rigid Scraper Blade** to quickly and easily cut through the sticky adhesive holding carpet padding or vinyl tiles down. Apply petroleum jelly or silicon grease to the scraper blade if you're removing strong, tacky adhesive to keep it from gumming up the scraper blade. If you're removing carpeting, score it first with a utility knife to create a seam that will allow you to roll it up and remove it in manageable sections after it has been separated from the subfloor.
- **STEP TWO:** With the tool running at a medium speed, insert the blade under a tile or seam to pry the flooring up from the subfloor and cut through the adhesive.

TOOL LIST

- > DREMEL MULTI-MAX OSCILLATING TOOL SYSTEM
- > MM600 RIGID SCRAPER BLADE
- > PETROLEUM JELLY OR SILICON GREASE
- > MM440 WOOD FLUSH-CUTTING BLADE

Visit www.dremel.com or reach the Dremel Experts at 1-800-437-3635

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DREMEL MULTI-MAX

MM440 WOOD
FLUSH-CUTTING BLADE

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MM600 RIGID
SCRAPER BLADE



TAKE IT OUTSIDE

30 MINUTE
MIRACLES

GRIND RUST DOWN BEFORE IT GETS YOU DOWN

Many people complain that rust removal is one of their biggest home maintenance challenges. It seems to appear from nowhere, and before you know it, your iron patio furniture, mailbox, stair railing or light post looks tattered and tarnished. Instead of mixing a messy liquid solution to remove rust, use a Dremel rotary tool to quickly and easily grind rust away, and ready the area for repainting.

- **STEP ONE:** With the help of the **500 Aluminum Oxide Abrasive Wheel** and **Dremel 4000 Rotary Tool**, removing rust is a cinch. The **36-grit EZ471SA Detail Abrasive Brush** can also be used for detail work. Run the tool at medium to high speed, and begin working away the rust by making even passes over the fixture. Be sure to use the proper amount of pressure to remove only the rust and not the material beneath it. Practicing on an inconspicuous area of the material first is always a good idea.
- **STEP TWO:** After rust is removed, it's a good idea to coat the fixture with a rust inhibitor and paint to keep rust from forming again.

TOOL LIST

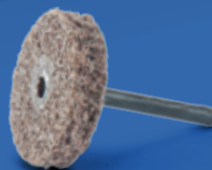
- > DREMEL 4000
ROTARY TOOL
- > 500 ALUMINUM OXIDE
ABRASIVE WHEEL
OR
- > EZ471SA DETAIL
ABRASIVE BRUSH

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DREMEL 4000
ROTARY TOOL



500 ALUMINUM OXIDE
ABRASIVE WHEEL



EZ471SA DETAIL
ABRASIVE BRUSH

DREMEL®



TAKE IT OUTSIDE

30 MINUTE
MIRACLES

CUT VINYL SIDING QUICKLY, CONFIDENTLY FOR NEW APPLIANCES AND MORE

One of the most desired home updates is the addition of a new appliance or outdoor light fixture. But installing some appliances, such as dryers and surface-mounted exterior lighting, require making a clean accurate cut in vinyl siding for outdoor connections and fixtures. Although it might sound intimidating, it's actually easy to accomplish with a Dremel rotary tool and circle cutting guide.

- **STEP ONE:** For this project, you'll need a **Dremel 4000 Rotary Tool**, **678-01 Circle Cutting Guide** and **561 Multipurpose Cutting Bit**. Begin by setting your circle cutting guide to the desired depth and diameter. Then, make a pilot hole in the siding to set the circle cutting guide's center point. At a 45-degree angle, plunge the center point and bit into the siding at the same time, then bring the tool upright so it rests on the guide for the remainder of the cut.
- **STEP TWO:** In a clockwise motion, with light pressure, work the tool around the pivot point. It's important that the depth of the guide supports the cutting bit extending beyond the material by 1/4-inch. When the siding has been cut out, remove the other layers of exterior wall material as necessary for insertion of the pipe, dryer vent or lighting fixture.

TOOL LIST

- > DREMEL 4000
ROTARY TOOL
- > 678-01 CIRCLE
CUTTING GUIDE
- > 561 MULTIPURPOSE
CUTTING BIT

Visit www.dremel.com or
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at 1-800-437-3635

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DREMEL 4000
ROTARY TOOL



678-01 CIRCLE
CUTTING GUIDE

561 MULTIPURPOSE
CUTTING BIT



DREMEL®



MATERIALS

30 MINUTE MIRACLES

TOOL LIST

Print this list and take it to the store with you when you're gathering the tools, attachments and accessories needed to complete your "30 Minute Miracle" projects. Most Dremel tools come packaged in kits that already include several accessories and attachments. Check the box for a list of what's included to avoid buying duplicates. It's important to make sure you have everything you need before starting a project to avoid a DIY disaster.



ORGANIZE GARAGE OR WORKSHOP

- > Dremel 4000 Rotary Tool
- > 670 Mini Saw Attachment
- > 546 Rip/Crosscut Blade

ORGANIZE CLOSETS

- > Dremel 4000 Rotary Tool
- > EZ456 EZ-Lock Cut-Off Wheel
- > EZ402 EZ-Lock Mandrel
- > 575 Right Angle Attachment
- > 8193 Aluminum Oxide Grinding Stone
- OR
- > 407 Sanding Drum

REGROUT SHOWER AND TUB TILES

- > Dremel Multi-Max Oscillating Tool System
- > MM500 or MM501 Grout Removal Blade
- OR
- > Dremel 4000 Rotary Tool
- > 568 Grout Removal Attachment
- > 569 Carbide Grout Removal Bit

INSTALL A NEW TOILET

- > Dremel 4000 Rotary Tool
- > 575 Right Angle Attachment
- > EZ402 EZ-Lock Mandrel
- > EZ456 EZ-Lock Cut-Off Wheel

REFURBISH FAUCETS AND HANDLES

- > Dremel 4000 Rotary Tool
- > 403 Bristle Brush
- > 520 Polishing Wheel

REPLACE DAMAGED TILES

- > Dremel Multi-Max Oscillating Tool System
- > MM500 or MM501 Grout Removal Blade
- > MM920 Carbide Rasp

REFINISH KITCHEN CABINETS

- > Dremel Multi-Max Oscillating Tool System
- > MM11 Sanding Pad
- > MM70W Wood Sandpaper Assortment

INSTALL NEW FLOORING

- > Dremel Multi-Max Oscillating Tool System
- > MM600 Rigid Scraper Blade
- > Petroleum Jelly or Silicon Grease
- > MM440 Wood Flush-Cutting Blade

REMOVE RUST FROM OUTDOOR FIXTURES

- > Dremel 4000 Rotary Tool
- > 500 Aluminum Oxide Abrasive Wheel
- OR
- EZ471SA Detail Abrasive Brush

CUT VINYL SIDING

- > Dremel 4000 Rotary Tool
- > 678-01 Circle Cutting Guide
- > 561 Multipurpose Cutting Bit

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