

Basic Frame Repairs
Workshop

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Basic Frame Repair

- What types of repairs are their?
 - Broken frames
- Misalignments
- Need to replace consumable parts

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Misalignments

- Another way that requires repair but not needing of parts.
- Usually, simple adjustments needed.
- But depending on the frame can cause a breakage...

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Consumable Parts

- Basic Parts:
 - Nosepads
 - Screws
 - Temple tips

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Consumable Parts

- Advanced Parts:
 - Cable Temples
 - Temple Extenders
 - Hidden Hinge Repair

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Parts to a Metal Frame

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Parts to a Semi-Rimless Frame

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Parts to a Plastic Frame

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Parts to a Drilled Rimless Frame

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Tools for the Repair

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Wide Jaw Angle Plier

- **FEATURES:** A symmetrical jaw design that's always in the correct position. Wide jaw accommodates any temple width. Shorter handle design provides better leverage & control for heavy adjustments.
- **USAGE:** Pantoscopic angle adjustments. Heavy bridge & endpiece corrections.

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Double Nylon Gripping Plier

- **FEATURES:** Handle designed for medium to heavy adjusting with a narrow 5.5mm jaw design. Provides protection for frames with delicate finishes.
- **USAGE:** Multipurpose adjusting tool for frames with delicate finishes. Bridge, endpiece, and temple adjustments.

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Flat Nylon Round Metal Plier

- **FEATURES:** Protective nylon jaw combined with a tapered round metal jaw. Thinner handle width for better leverage & control.
- **USAGE:** Shapes eyewires, endpieces, and bridges that require a rounded shape.

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Nose Pad Plier

- **FEATURES:** Unique tapered jaw design fits in the tightest areas without risk of scratching lenses or frames. Long, thin handle for controlled pad arm adjustments.
- **USAGE:** For screw-on, push-on, and clip-on type nose pad assembly adjustments.

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3 Piece Frame Adjustment Pliers

- **FEATURES:** Small head profile fits into tight places. Multi-use pad system fits virtually all hardware.
- **USAGE:** Provides greater stability for easier adjustment of drill mount frames. Helps prevent damage to expensive lenses.

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Snipe Nose Pliers

- **FEATURES:** Angled head and tapered nose provide superior access to even the tightest adjustment areas.
- **USAGE:** General pad arm, bridge, and endpiece adjustments. Also ideal for thin stainless steel or titanium eyewear.


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Compression Mount Removal Pliers

- **FEATURES:** Unique wedge action design simplifies hardware removal. Small head profile fits between pins. Highly polished to prevent frame and lens scratching.
- **USAGE:** Removes all styles of compression mount hardware quickly and easily.

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Cutting Pliers



- **Side Cutting**
 - **USAGE:** Cuts titanium up to 1.4mm, stainless steel, and nickel materials.
- **Chappel Cutting**
 - **USAGE:** The preferred cutter for lens screw assemblies. Reduces risk of damaging lenses. Cuts titanium up to 1.4mm, stainless steel, and nickel materials.

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Eyewire Shaper Pliers



- **FEATURES:** Combination of concave & convex jaws to shape eyewires for optimum lens fit.
- **USAGE:** Shaping of eyewires.

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Screw Drivers and Screw Kits



- **FEATURES:** Multiple styles and sizes of screws and screwdrivers to help with various repairs.

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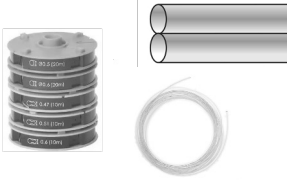
Wrench Sets



- **FEATURES:** Multiple sizes to account for various sized nuts.
- **USAGE:** loosing and tightening of nuts.

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Rimless Cord and Figure 8 Liner



- **FEATURES:** Combination of concave & convex jaws to shape eyewires for optimum lens fit.
- **USAGE:** Shaping of eyewires.

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Lens Liners



- **Description:** A filament used to fill gaps in sizing issues.
- **Various types exist.**

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Spring Hinge Tool



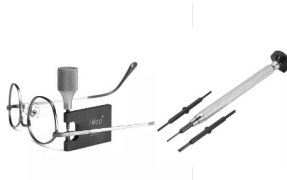
Description:
Spring hinges are a great benefit to frame design, but a real headache when replacing a screw. Spring Hinge Tool Kit makes it easier than ever to replace the original screw!

Kit typically Includes:

- 1 Spring Hinge Lever
- 1 Hinge Locking Clamp
- 1 Locking Tweezers
- 3 Pins
- Convenient Storage Case

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Screw Extractors




Description:

- These tools helps eliminates the need for drilling
- broken screws are extracted with controlled pressure.
- The jaw design is optimized to fit into the tight areas, accommodating smaller frame styles.

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Nose Pad Popper



- **Description:** Notched to slide between pad and pad arm to pop pad off.

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Compression Sleeve Removal Tool

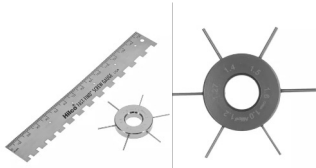


Description:

- Helps remove rimless frame hardware and cut compression sleeves from edged lenses
- Fits 1.4mm and 1.8mm mounts

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Screw and Hole Gauge




Description:

- Determine what screw is needed in just seconds.
- Measure frame hardware when screws have been lost
- Gives diameter and length measurements
- Can measure individual screws to determine exact size
- Great training tool for less experienced technicians
- Stainless steel

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Pad Arm Conversion Kit




Description:

- Gives the ability to add nose pads to a plastic frame.
- Pad Arm Conversion Kit Includes:
 - 16 pairs of Titanium Pad Arms
 - 16 pairs of nose pads & screws
 - Pin vise w/ Drill bit
 - Special Mounting Tool

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Hot Fingers



FEATURES: Ability to heat up various parts to install into plastic / zyl frames

USAGE: Repair of broken hinges etc.

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