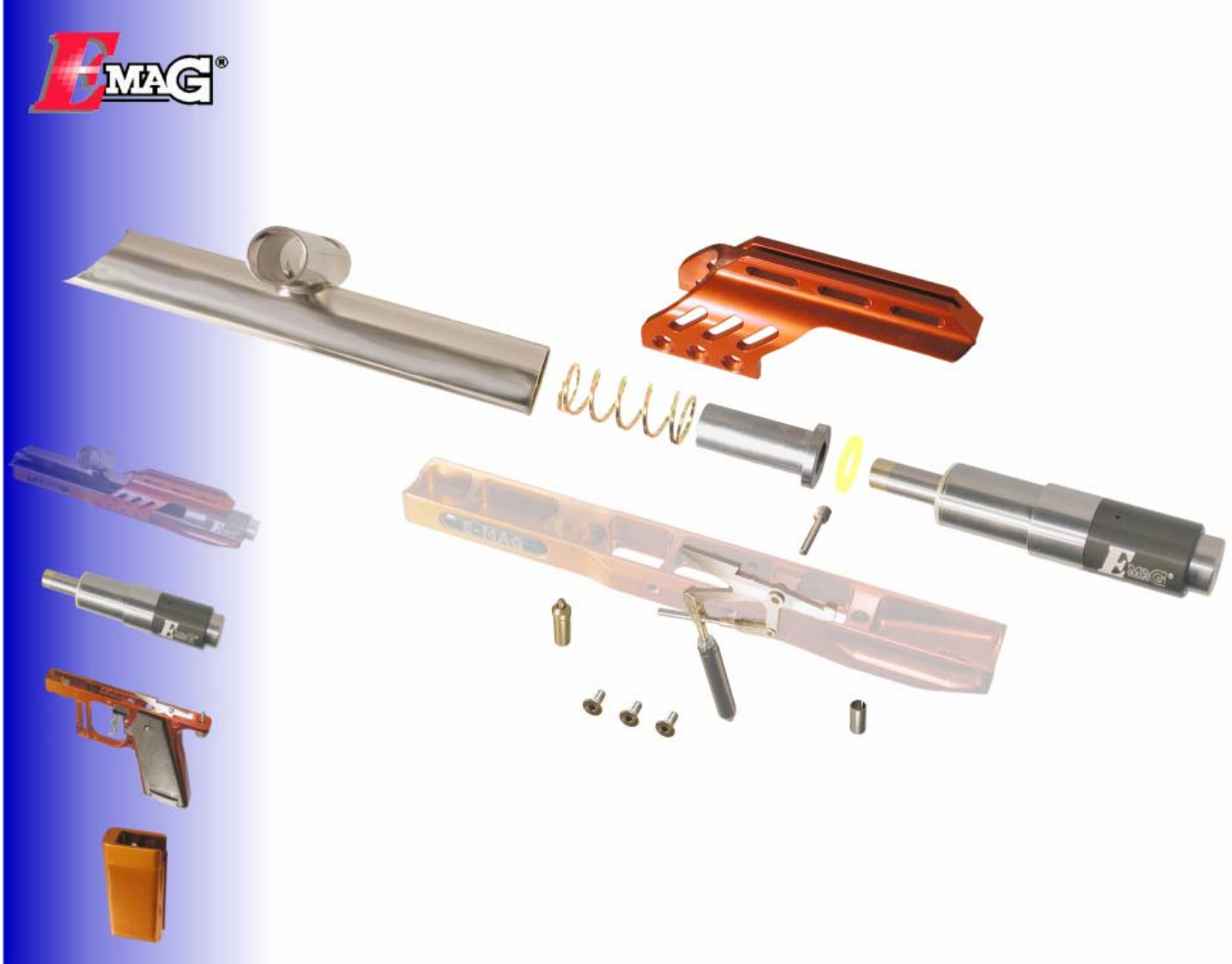


# E-Mag Exploded View



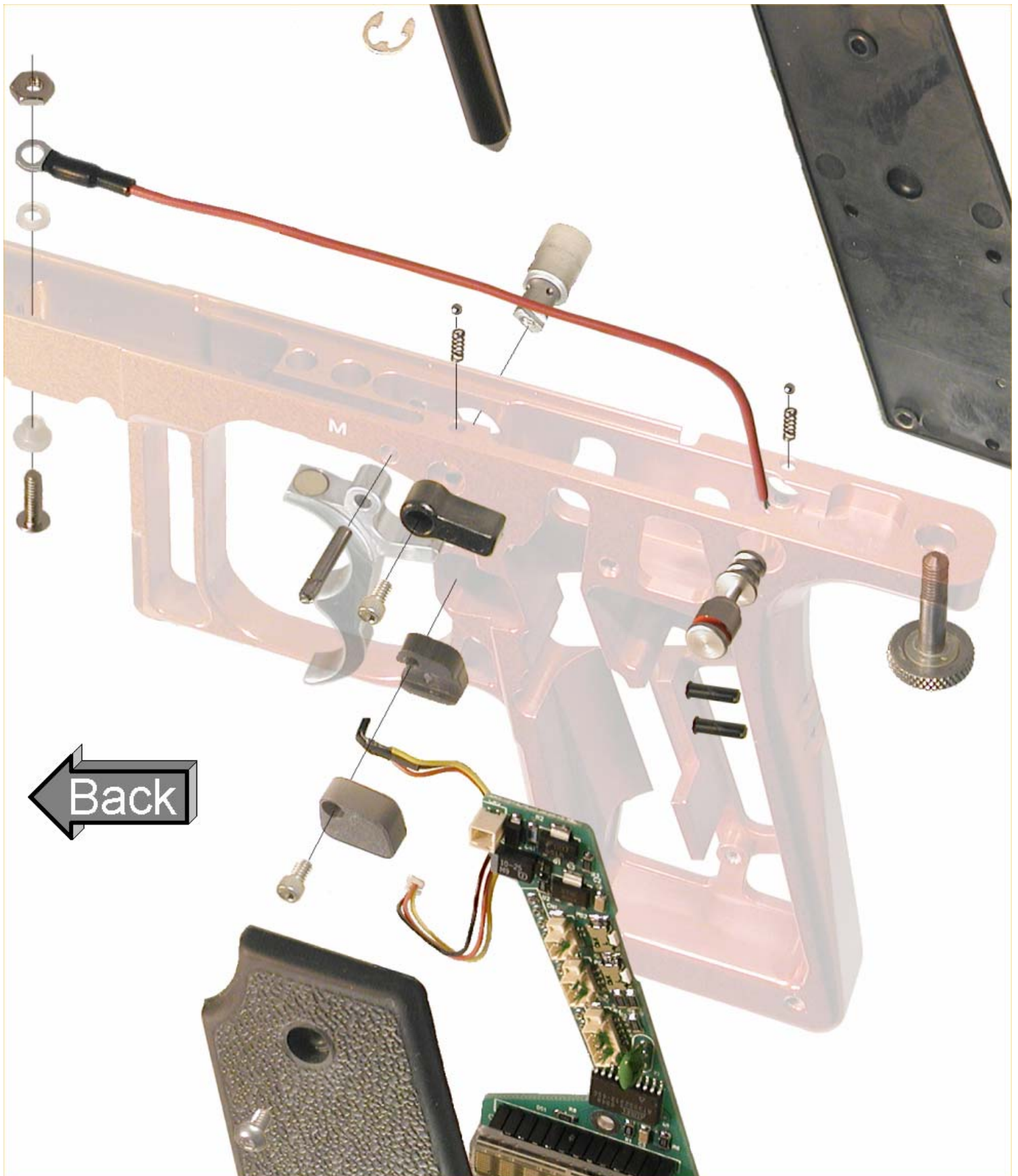
click on image

# Rail and Main Body









# Battery and Charger



E-Mag Rail  
Part #1410



Available in black only.

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# Twist Lock Assembly Part #223



Assembly that holds the barrel in.

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## Rail Bushing Part #129



The grip frame and rail are held in alignment with this bushing. It goes in the field strip screw hole.

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## Sear Assembly Part #1386



The entire sear assembly for the E-mag. Comes pre-adjusted for trigger rod length and solenoid plunger position.

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Sear Axle Pin  
Part #775



Screws in the side of the marker into the sear bushing.

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Sight Rail  
Part #1392



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Sight Rail Screw  
Part #770



Very short flat head screws. Do not use hardware store screws; they might hit the sear.

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Main Body (Hopper Left)  
Part #1414



See the Main Body page under Upgrades for a complete selection.

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## Grips Part #1297



Rubber E-mag grips, sold by the pair.

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## Grip Screw/ Solenoid Mount Screw Part#1307



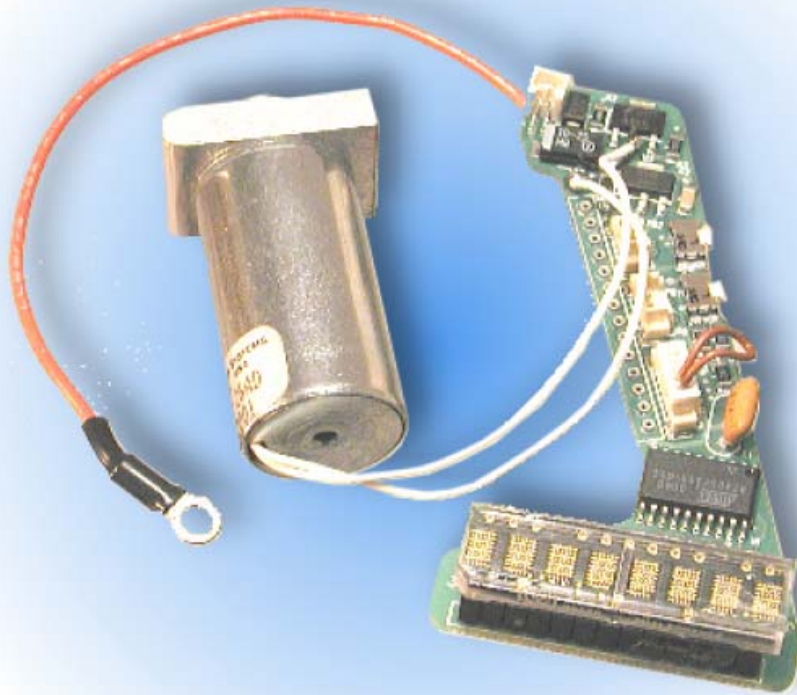
Grip screws, three per side. Also used to hold the solenoid mount in place.

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## PCB and Solenoid Assembly Part #1639



PC board and solenoid as one ready to go assembly. Comes pre programmed too!

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## Extender Button Part #1394



The little buttons in the back of the grip frame that are used to change the program settings.

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# Field Strip Screw Part #432



The screw that holds in the entire valve assembly.

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## Hall Harness Part #1304



This is the sensor that detects the magnet in the back of the trigger to fire the marker. Comes as a complete assembly.

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Hall Holder/ Bottom  
Part #1320



The bottom half of the holder for Hall Effect Sensor.

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Selector Lever Bolt  
Part #1309



This bolt holds the selector lever on its shaft.

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Hall Holder/ Top  
Part #1422

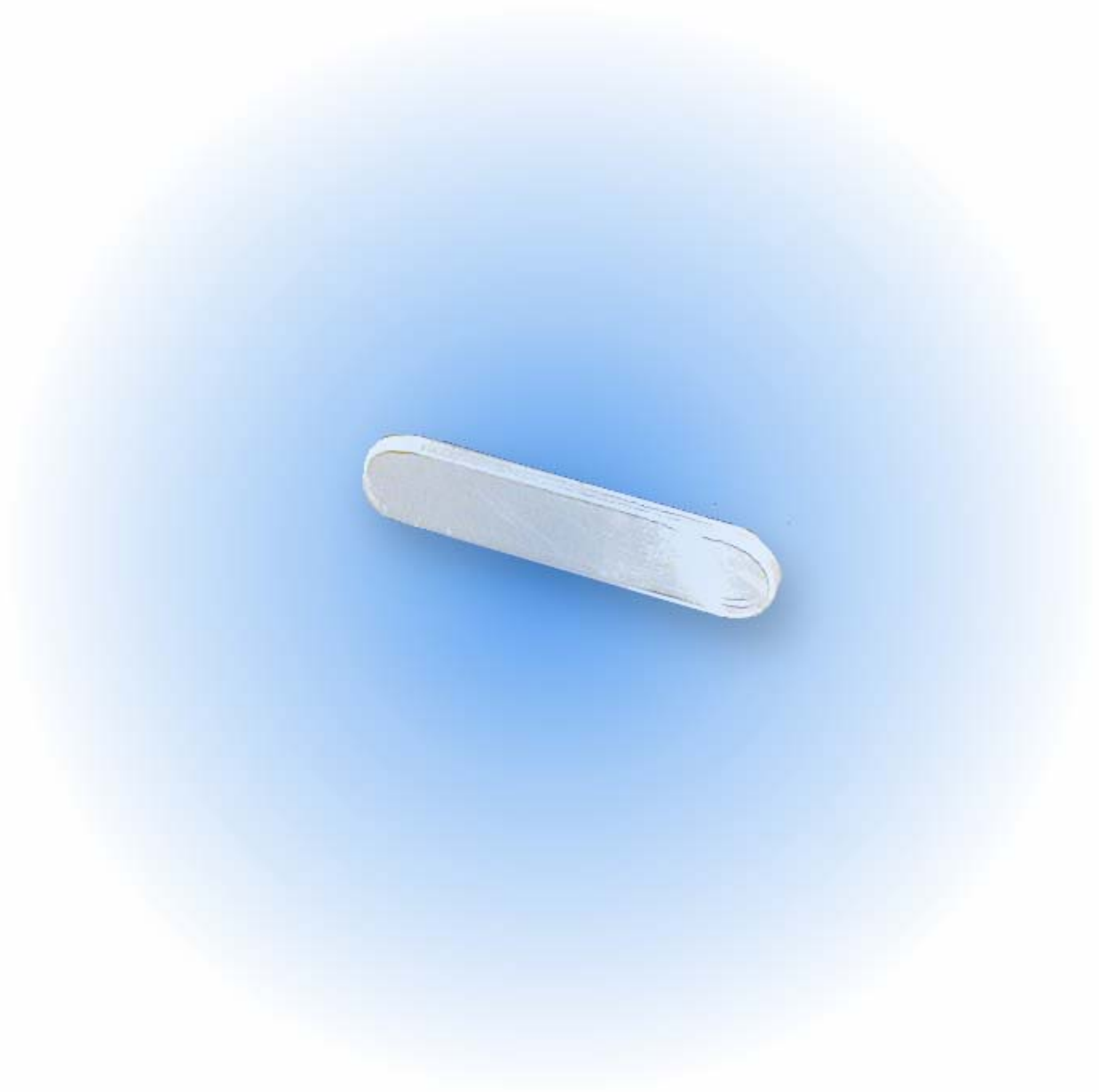


The top half of the sensor holder.

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LED Window  
Part #1316



Window inside of rubber grip that protects the LED display.

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## Selector Switch Lever Part #1321



Selector lever that switches between electronic and manual modes. Connects to selector switch.

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Hall Mount Bolt  
Part #1310



Bolt that holds the Hall Effect sensor mounts.

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## Selector Switch Part #1287



This switch controls if the marker is in electronic or manual mode. Be careful when removing this part; there are springs and ball detents under this piece.

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## Nylon Bushing Part #1328

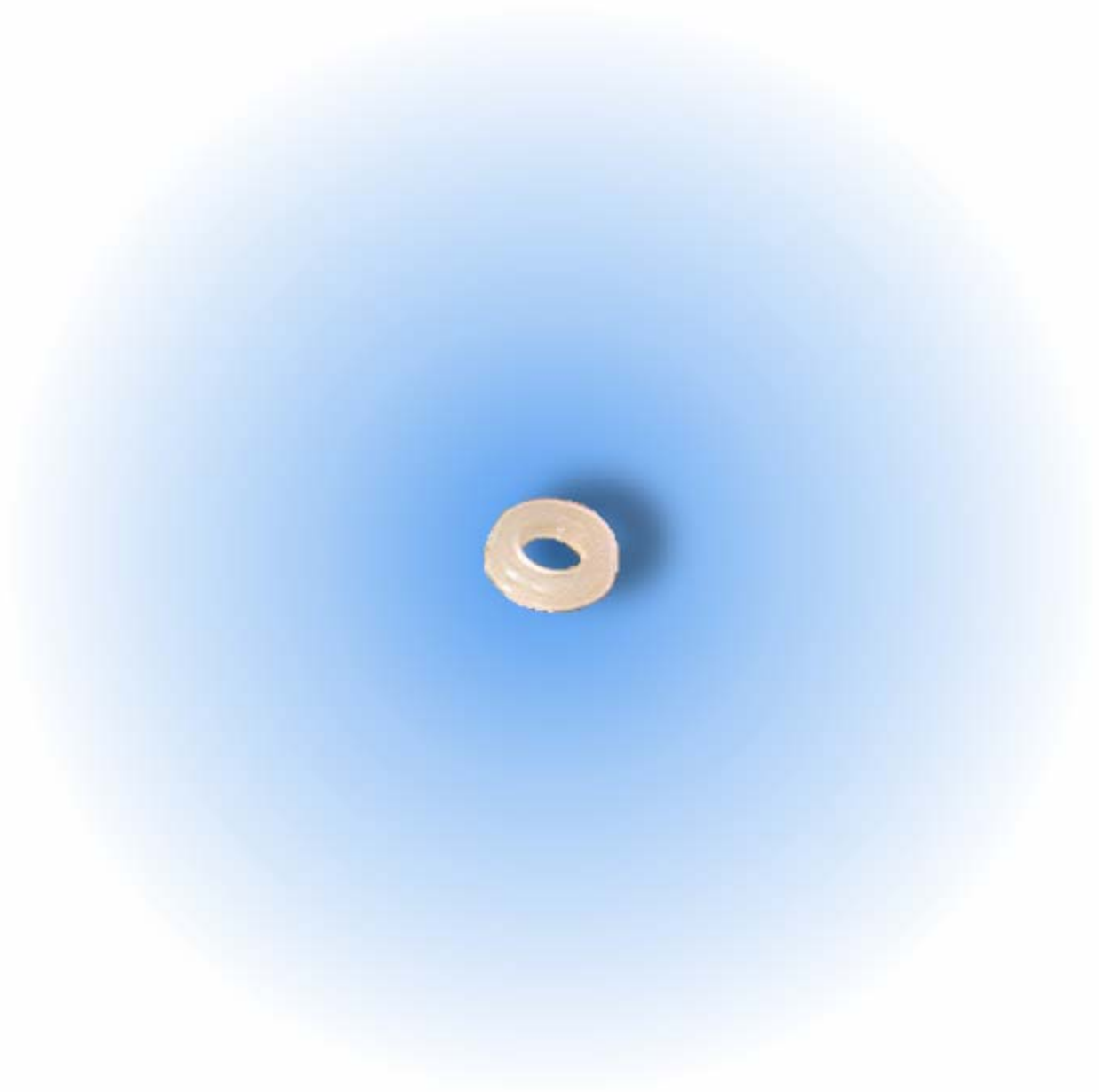


Insulator bushing for the battery contact screw in the front of the E-mag grip frame.

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Nylon Washer  
Part #1327

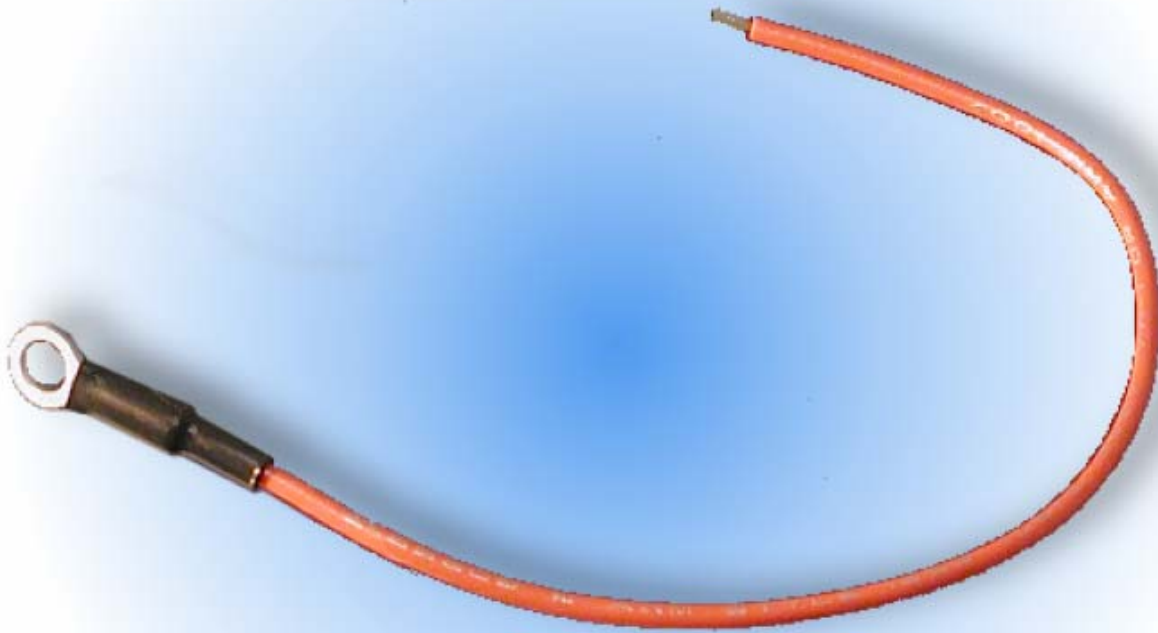


This is the other half of the insulator for the battery terminal mounting in the front of the grip frame.

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Wire Lead  
Part #1594



The power wire from the battery contact bolt in the front of the grip frame to the PC board.

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# Positive Terminal Nut Part #1312



This nut is part of the positive battery contact.

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## Positive Terminal Part #1311



This bolt is part of the positive battery contact and uses the nylon insulators to isolate it from the grip frame.

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Sear Lock  
Part #1462

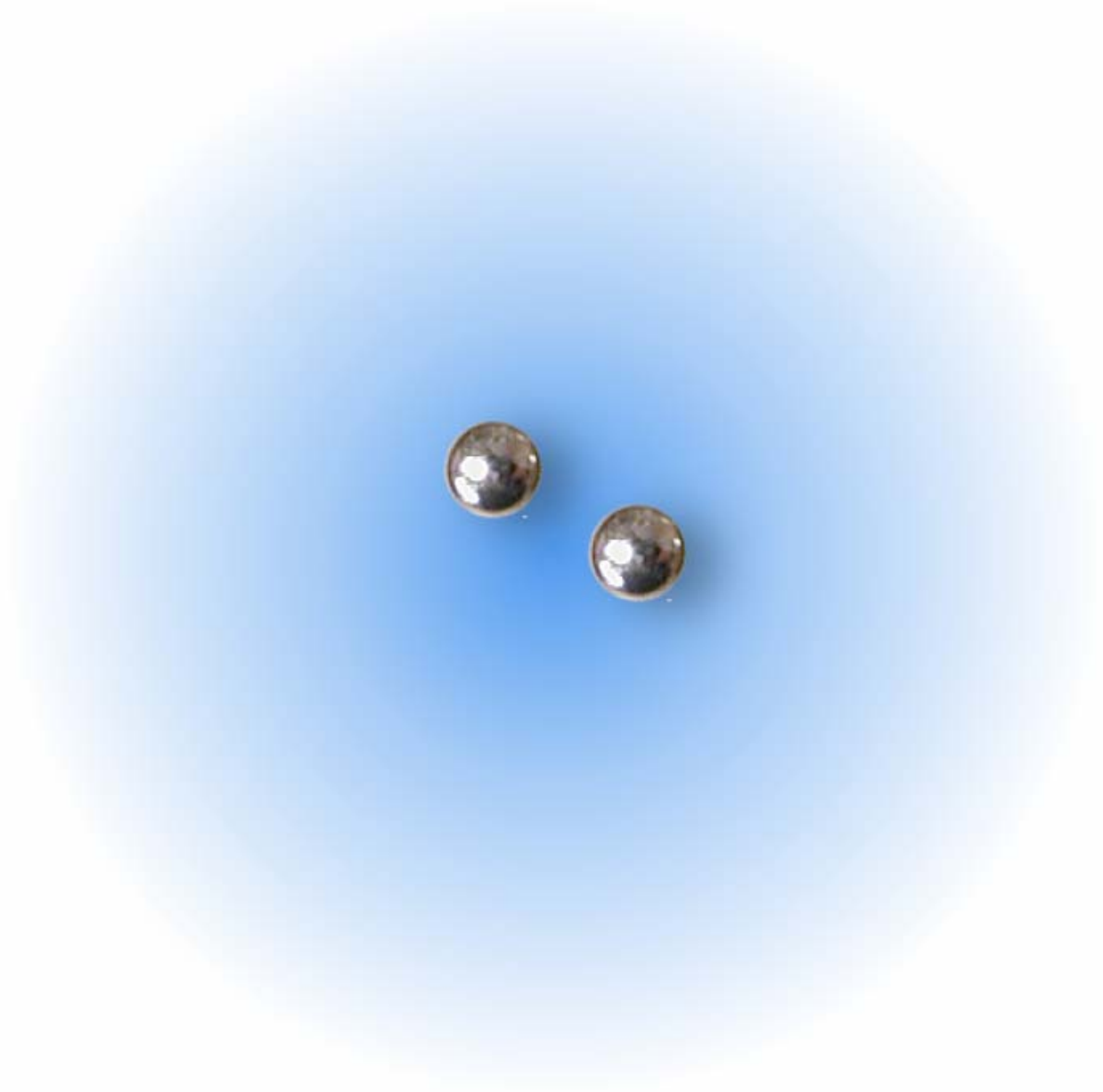


If you are able to see the red line the marker is off safe and will fire. Be careful when removing this shaft; there are springs and ball detents in the frame.

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# Safety Ball Part #195



Hard steel ball bearing used as the safety detent.

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## Safety Spring Part #197



Spring that goes under the ball detent in the safety.

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Solenoid E Clip  
Part #1470

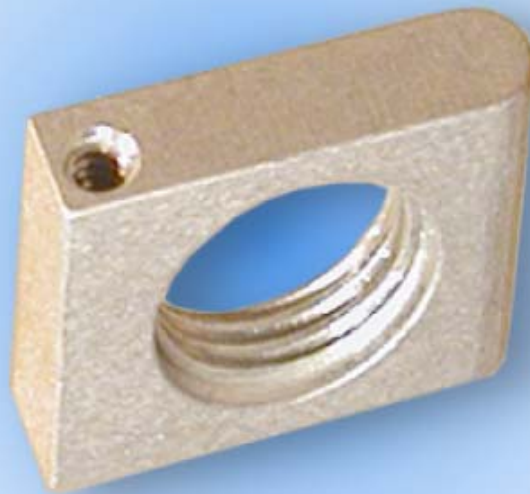


This clip holds in the solenoid plunger.

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## Solenoid Mount Part #1325



Solenoid screws into this mount and the whole thing slides into the grip frame.

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## E-Mag Trigger Part #1411



Entire ready-to-go trigger assembly. Includes magnets. Does not come in colors.

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## Magnet (Five Pack) Part #1313



Super strong rare earth magnet that is used to adjust trigger tension. Take them out for less, add them for more tension.

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## Trigger Pin Part #1314



The axle for the sear. The original pin needs to be pressed out from the right side of the marker (side without the E-mag logo on valve). The new pin gets pressed in from the left side.

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## Battery Pack Housing Complete Part #1393



Complete housing assembly; battery not included. Comes in black only.

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Battery Pack  
Part #1223



This is the complete NiMh battery pack including contacts. Don't forget to recharge before use and remember to put the spacer o-ring back in the bottom of the housing.

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## Battery Saver Plug Part #1319



This is the pin that turns the battery on and off. Make sure you remove before flight!

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## E-Mag O-ring Battery Bottom Part # 1646

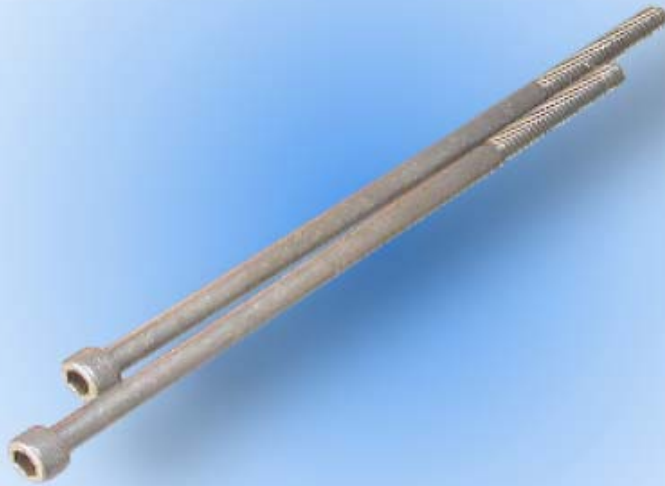


This o-ring goes under the battery pack inside the battery housing so the battery makes good contact and does not rattle.

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## Battery Housing Screws Part #1220



These are the bolts that hold the battery case together.

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## Battery Charger Cord Part #1388



Standard cigarette lighter adapter cord. Plugs into battery recharger.

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# Charger Assembly Part #1487



Battery charger for E-mag. Does not have the cigarette lighter adapter. Takes 12VDC input.

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Solenoid  
Part #1237



Solenoid that pulls the sear to fire the marker. Must be soldered to the PC board.

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