



Safety-Margins-Enhancement Guidelines for the Sig Sauer P320

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THESE GUIDELINES ARE RECOMMENDED TO OPTIMIZE CONSISTENT CORRECT FUNCTION IN THE SIG SAUER P320 AND SPECIFICALLY AVOIDING INCIDENTS OF INCORRECT FUNCTION

BHRecommended Safety-Margin Add-Backs:

BHSafety-Margin Add-Back #1:

BHSear-Stabilizing Sear Springs:

Notes:

- Significant Increase in Spring Influence required to assure correct positioning of Sear at time of Sear/Striker Engagement and retention of Sear/Striker Engagement vs. All Internal & External Influences

-Striker Safety Release Lever resists rise/deactivation of the Striker Safety until Trigger is pulled

- Larger diameter spring wire + more coils closer together,
(compared to OEM and Lighter after-market Sear Springs)
more resistant to deformation and failure to function as intended

- Available from BHSpringSolutions.com

OR

- Included in Hi-Power Medic LLC's
Sear-Stabilization & Safety Margins Enhancement Service
which also includes:

BHSafety-Margin Add-Back #2:

Hi-Power Medic Sear Modification Increases Metal-to-Metal
Sear/Striker Engagement by 35% - 40%

The precedent for this modified Sear/Striker Engagement amount is the Sig Sauer P365, and all of John Browning's Striker-Fired Pistol Designs

+ Option to Add:

BHSafety-Margin Add-Back #3:

Hi-Power Medic Addition of Manual Safety
to Non-Manual-Safety P320 Models

BHSafety-Margin Add-Back #4:

BHSpringSolutions LLC & The Hi-Power Medic LLC Guidance: Enhanced Springs & Components Replacement Intervals (Constitutes a Bundle of Safety-Margin Add-Backs):

**REPLACE BHAdvanced Sear Stabilizing Sear Springs –
5 YEARS OR 5,000 CYCLES WHICHEVER COMES FIRST**

**REPLACE Internal Striker Reset Spring –
5 YEARS OR 5,000 CYCLES WHICHEVER COMES FIRST**

**REPLACE Striker Safety Spring -
5 YEARS OR 5,000 CYCLES WHICHEVER COMES FIRST**

**REPLACE Striker Spring -
5 YEARS OR 5,000 CYCLES WHICHEVER COMES FIRST**

**REPLACE Slide Stop Spring -
5 YEARS OR 10,000 ROUNDS WHICHEVER COMES FIRST**

**REPLACE Take Down Lever Spring -
5 YEARS OR 10,000 ROUNDS WHICHEVER COMES FIRST**

REPLACE Magazine Catch Spring - 10 YEARS

**REPLACE Extractor Spring -
10 YEARS OR 10,000 ROUNDS WHICHEVER COMES FIRST**

**REPLACE Extractor/Striker Assembly/Take Down Lever –
20,000 ROUNDS**

**REPLACE Trigger Bar (Return) Spring -
5 YEARS OR 5,000 ROUNDS WHICHEVER COMES FIRST**

**REPLACE Recoil Spring Assembly (Compact / Subcompact) -
3,000 - 5,000 ROUNDS**

REPLACE Recoil Spring Assembly (Full Size) - 5,000 ROUNDS

Notes:

- This Spring & Components replacement schedule minimizes the possibilities of a weakened or fractured Spring being contributory to malfunction including malfunctions associated with “Uncommanded Discharge”.
- OEM & After-Market P320 Sear Springs are known to deform and or weaken within 2,500 – 3,000 Cycles, Striker Reset Springs have been found fractured, these examples illustrate the necessity of the above change out intervals as a best practices approach to assuring ongoing consistent correct function.

BHSafety-Margin Add-Back #5:

BHSpringSolutions' Guidance & Tutorial for Users to Monitor Status of Sear Spring Condition in the P320

Notes:

Sear Springs in the Sig Sauer P320 have been found to deform which can directly cause loss of Sear Spring performance and/or interference to occur between the two Sear Springs.

It is IMPORTANT for P320 users to know the status of their Sear Springs and Replace Immediately both Sear Springs with BHSpringSolutions Sear-Stabilizing Sear Springs.

Sear Springs should be visually checked after each dry-fire or live-fire session.

BHSpringSolutions & The Hi-Power Medic Recommend ONLY BHSpringSolutions Sear-Stabilizing Sear Springs in the Sig Sauer P320

BHSafety-Margin Add-Back #6:

BHSpringSolutions' / Hi-Power Medic Guidance on Cleaning & Avoiding Lubrication of Sear & Striker Assembly Areas in the P320

Notes:

Field Strip Clean after each live-fire session. DO NOT LUBRICATE SEAR & STRIKER AREAS. VISUALLY INSPECT SEAR AND STRIKER ENGAGEMENT SURFACES FOR ANY SIGNS OF WEAR OR CHIPPED OR MISSING METAL THAT APPEARS TO HAVE SHEERED OFF.

BHSafety-Margin Add-Back #7:

BHSpringSolutions' Guidance for Users to Monitor Condition of Sear & Striker Engagement Areas

+ Technique to Confirm Correct Full Sear/Striker Engagement

Notes:

- Obtain an additional back cover-plate for the Slide.
- With a File or Rotary Tool remove the bottom of the cover-plate so that Sear / Striker Engagement is visible.
- Repeatedly rack the slide allowing slide to go forward into battery of its own accord.
 - With a flashlight, observe/confirm that Striker has full engagement with the full depth of the Sear Stop Place.

BHSafety-Margin Add-Back #8:

BHSpringSolutions' Endorsement of Importance of:

- Sig Sauer officially recommends a general service interval for their pistols, including the P320, of once per year or every 5,000 rounds.
 - SIG Sauer has published a general maintenance schedule, which classifies sear springs as a consumable component with optimal performance degrading around 3,000 cycles.
- The P320 requires two sear springs to function, and both should be replaced simultaneously when performing this maintenance.
- BHSpringSolutions Endorses the above Sig Sauer guidance, not as suggestions, but as Necessary-Maintenance integral to assuring consistent and correct function in the P320.

BHSafety-Margin Add-Back #9:

STATEMENT REGARDING SAFETY-RISKS OF DEPRESSURIZING SEARS IN FIREARMS

**From: BHSpringSolutions LLC, The Hi-Power Medic LLC, and 60 Year Firearms & Modifications Designer & 35 Year FN Herstal Designer Leon Hubert (now Chief Weapons & Modifications Designer for BHSpringSolutions LLC):
Totaling Experience of 3-Designers, 4 Gunsmiths, and more than 80 Years Combined Experience
in the Specialized Area Firearms Design and Gun Springs Design:**

The Job of a Sear in Semi-Automatic Handguns is to Force a Hammer, or Striker, to remain in its cocked position until the Sear is commanded to move by pull of the trigger thereby releasing the Hammer or Striker to fire the weapon.

It is EXTREME HIGH RISK TAKING when Sear Spring Pressure on a Sear is lightened "to the Trigger Finger's Liking", a.k.a "Tuning A Sear" to obtain a more desirable lighter trigger pull.

**This practice does NOT constitute "Tuning a Sear" –
It is, in fact, Diminishment of the Sear's Ability to Do It's Job Consistently & Correctly**

**NO FIREARMS MANUFACTURER IS RESPONSIBLE FOR PRODUCING
A PLATFORM THAT TOLERATES DEPRESSURIZING THE SEAR
FOR THE PLEASURE OF THE TRIGGER FINGER**

BHSafety-Margin Add-Back #10:

**THERE IS NO SUBSTITUTE FOR PERIODIC INSPECTION OF YOUR FIREARM BY A QUALIFIED
AMRRORER, GUNSMITH, OR PISTOLSMITH, WHO COMPLETELY UNDERSTANDS THE
IMPORTANCE OF THE GUIDANCE CONTAINED IN THESE
BHSafety-Margin Add-Backs at each 5 Years or 5,000 Rounds**