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TEFLON COATED SEAR - MODEL 40X

The test of Teflon coated Sear in Model 40X was disappointing. Failures in bearing occurred in the first 10,000 cycles. Trigger pull continued to change through 20,000 cycles. This is characteristic of steel on steel. The low friction properties of Teflon was supposed to remain on steel parts even in cases where the bearing loads were away the Teflon coating. This did not hold true in this application.

Test Results

Parts installed and adjusted to 34 3/8 oz. trigger pull

|                     | <u>Ave. Pull Wgt.</u> | <u>Min.</u> | <u>Max.</u> | <u>Spread</u> |
|---------------------|-----------------------|-------------|-------------|---------------|
| After 10,000 cycles | 44 11 oz.             | 44 4 oz.    | 44 15 oz.   | 11 oz.        |
| Note                |                       |             |             |               |
| After 20,000 cycles | 44 5 oz.              | 44 4 oz.    | 44 13 oz.   | 9 oz.         |
| After 30,000 cycles | 44 4 oz.              | 44 15 oz.   | 54 14 oz.   | 21 oz.        |

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- \* Trigger Pull was dropped to 34 7/8 oz. after the first 10,000 cycles (minus 20 oz. average). Spread of chrome sears + 2 oz. or better on all tests.