

Visual observations

Std Sear vs P.M. SearJoe Barber
10/22/65

PM Chromed sears

50,000 cycles on dry cycle machine

Sear cam surface

shiny spots but no wear (appreciable)

Sear connector surface

shiny spots but no wear (appreciable)

Connectors in contact with above,

shiny at contact points - some wear,
very slight deformation of top surface;

Std sears 50,000 cycles on dry cycle machine

Sear cam surface

shiny spots but no wear (appreciable)

Sear connector surface

shiny & rounded over from contact with connector

Connectors in contact with above,

shiny at contact points - some wear,
deformation of top surface from contact with rim

PM Seals 8,000 cycles

Seal Cam Surfaces

Shiny spots with some little wear

Seal Connector surface

Shiny spots with some little wear

Connectors in contact with above

shiny spots where seal contacted surface.
slight wear or deformation of top surface.

The surfaces on the seal & connector that contact each other both had a surface film that seemed like a varnish. It came off when rubbed hard or scraped with a steel punch. The rifles had been sitting since the end of August.