

Motor Mount

Fault:- Drive belt tension was previously adjusted by removing motor and adding washers over mounting studs.

A new Motor Mount has been designed and is ready for release. The new mount allows adjustment by loosening motor stud nuts, sliding motor in elongated slots, and retightening stud nuts. A new #33 belt, 2 inches longer, is required.

Target Guide

Fault:- Malfunctions in feeding target to carrier due to poor shape and deformation in use. 83

This part was redesigned to improve durability and function. Tests show a definite improvement. Target quality needs to be improved to completely eliminate feeding problems. (See comments).

Brake

Fault:- Original asbestos lining material gave brake life of 4000-7000 cycles and consequent parts breakage.

A sintered bi-metallic lining material was tested indicating a life of 60,000 cycles without adjustment. Production materials of the same type are being procured for further testing. Delivery is slow due to the low market potential.

Latching Lever Spring

Fault:- Failures to cock caused by inadequate tension.

Redesigned for improved function. All parts on hand have been altered.

Gear Box Lubricant

Fault:- Present lubricant, a soap base "Lubriplate" hardens in use causing excessive wear on all gear box parts. Level of lubricant can not be checked without disassembly of Gear Box cover.