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REPORT

No. 36

SPIRAL FAILURE - "O" RING SEALS
LANDING GEAR SHOCK STRUTS



PREPARED BY

Committee A-12, Aircraft Shock Struts

OCTOBER 15, 1953

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LANDING GEAR SHOCK STRUTS

INTRODUCTION

Although AN standard "O" ring seals have been satisfactorily used for several years in most landing gear shock struts, certain installations have been prone to spiral failures. The design features which result in these failures have never fully been explained. However, it is known that many variables are involved.

In order to facilitate correction of troublesome struts, SAE Committee A-12 has studied the problem and surveyed the experience of the industry. The results of the survey and general conclusions are outlined below.

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