

CW OK

FIELD SERVICE BULLETIN NO. 6

JANUARY 18, 1949

TO: ALL NAVION DISTRIBUTORS, DEALERS AND OWNERS
SUBJECT: INSPECTION OF MAIN LANDING GEAR HOUSINGS (AXLE FORGING)
ACCOMPLISH: IMMEDIATELY
EFFECTIVITY: ALL NAVIONS

PURPOSE: A few cases have been reported on earlier Navions produced by North American, of cracks appearing on the upper edge of the main landing gear axle housing. These cracks are not indicative of immediate danger; however, an immediate check of all gear should be made, and any cracked housings reworked as follows, or replaced, to prevent eventual failure of this part.

SECTION I. INSPECTION OF HOUSING

Before attempting to inspect the housing, clean the housing and the adjacent inner cylinder with cleaning solvent. Check along the upper surface of the housing (adjacent to the forging die marks) to determine if any cracks exist. If visual inspection does not reveal the existence of cracks, the housing may be considered as satisfactory, and no further action is necessary.

SECTION II. REMOVAL OF HOUSING

Should a visual inspection reveal the presence of a crack, or cracks, the housing should be removed as follows:

1. Jack up the airplane and relieve all of the air pressure in the strut with cracked housing. Remove the 145-33205 piston and axle assembly. Refer to Navion Service Manual, pages 13 and 47.
2. Remove wheel and tire, and disassemble strut until only the shock strut piston and the housing remain.
3. Remove bolt securing cylinder to housing.