Cleveland
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SERVICE BULLETIN

NOSE WHEEL ASSEMBLY - BHT MODEL 222 - INSPECT/REPLACE WITH NEW

EFFECTIVITY: Parker P/N 40-115 (BHT P/N 222-336-004-1) or 40-115A (BHT P/N 222-336-004-101) which contain the as cast grooves on the wheel flange outside surfaces.

APPLICABILITY: Bell Helicopter Model 222 equipped with the configuration of wheels noted and shown in Figure 1.

REASON: Product Improvement - The 40-115 and 40-115A wheel assemblies which may be configured with the as cast grooves on the outside flanges have started to exhibit signs of fatigue in the tube well, adjacent to the bolt boss face area. These wheels have been superseded by the 40-115B (BHT P/N 222-336-004-103) wheel assembly which contains a solid outside flange. Product improvement changes in the 40-115B wheel assembly in the tube well area that are associated with the solid flange configuration will improve the resistance to fatigue. The replacement part is common to the BHT Model 214ST and also incorporates a different configuration of grease seal improving the resistance to corrosion.

DESCRIPTION: This document provides the necessary instructions to inspect the rotorcraft and spares stock for the configuration of wheels listed above and remove them from service.

COMPLIANCE: **Mandatory** - Inspect and identify all rotorcraft that are equipped with wheel assemblies containing the as cast groove flange configuration. Replace these wheels with the 40-115B (BHT P/N 222-336-004-103) wheel assembly at annual inspection or no later than December 31, 1994.

APPROVAL: Engineering data contained in this service bulletin is FAA DER approved.

WEIGHT & BALANCE: The 40-115B Wheel Assembly (less tire and tube) weighs 2.95 pounds each. The 40-115 and 40-115A wheel assemblies with as cast grooved flanges weigh 2.78 pounds. Revise airframe weight and balance records accordingly.

PUBLICATIONS: Superseding part number information to be incorporated into the Parker Product Catalog at next revision.

AS CAST GROOVES

FATIGUE AREA

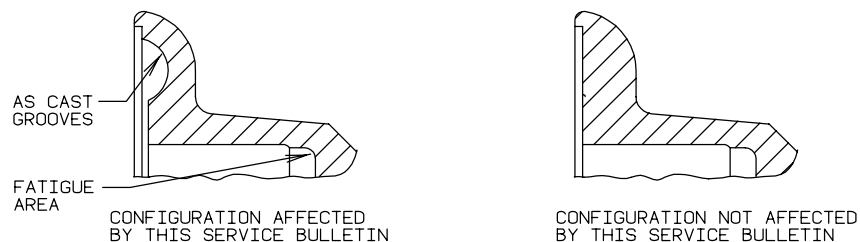CONFIGURATION AFFECTED BY THIS SERVICE BULLETIN

CONFIGURATION NOT AFFECTED BY THIS SERVICE BULLETIN

Figure 1. Wheel Flange Configurations

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