

Hiller UH-12 Series Helicopters

AD/HILLER 12/29 **Main Drive Torsion Coupling - Inspection** **11/84**
Amdt 4 **and Replacement**

Applicability: All Hiller models fitted with Torsion couplings Part Number 21046-5, 21047-9, 21047-11.

- Requirement:
1. (a) Inspect the torsion coupling in accordance with Hiller Service Manual Section 21-2-42, para. "C". In addition, inspect the mating surfaces between the upper and lower halves of the torsion coupling for indications of relative movement between the surfaces.
 - (b) Inspect the six upper coupling mounting studs for cracking and wear, and the upper coupling flange holes for elongation.
 - (c) Ensure that a zero clearance fit exists between the upper mounting studs and flange holes. It should be necessary to use the flange jack screw holes to separate the upper and lower sections.
 - (d) Remove from service any coupling with indications of movement between surfaces, damaged studs, or clearance between studs and holes.
2. Remove from service all P/N 21047-9 or 21047-11 couplings with serial numbers 497 through 766.

Note: The dimensional criteria given in Hiller SB UH-12-21-1 is no longer valid.

- Compliance:
1. For para. 1 of the requirement document - before installation of a coupling, and thereafter at periods not exceeding 300 hours time in service.
 2. For para. 2 of the requirement document - within 100 hours time in service after 31 July 1982.

Background: This Directive is raised in issue to amend the applicability to include specific Part Numbered Torsion couplings only.