

**R44**

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**SERVICE BULLETIN SB-39**

**DATE:** 12 September 2000

**TO:** All R44 Owners, Operators, and Service Centers

**SUBJECT:** Horizontal to Vertical Stabilizer Attach Channels

**ROTORCRAFT AFFECTED:** R44 Helicopters equipped with C044-1 Horizontal Stabilizer S/N 0009 thru 0224 except stabilizer S/N 0018, 0090, 0094, 0111, 0129, 0144, 0161, 0178, 0201, and 0223. (Affected stabilizers originally installed on R44 Ship S/N 0194 and prior.)

**TIME OF COMPLIANCE:** No later than 2200 hours total stabilizer time in service.

**BACKGROUND:** Recent analysis indicates that early-style D283 channels which attach the vertical stabilizers to the horizontal stabilizer must be replaced during overhaul at 2200 hours time in service.

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**COMPLIANCE PROCEDURE:**

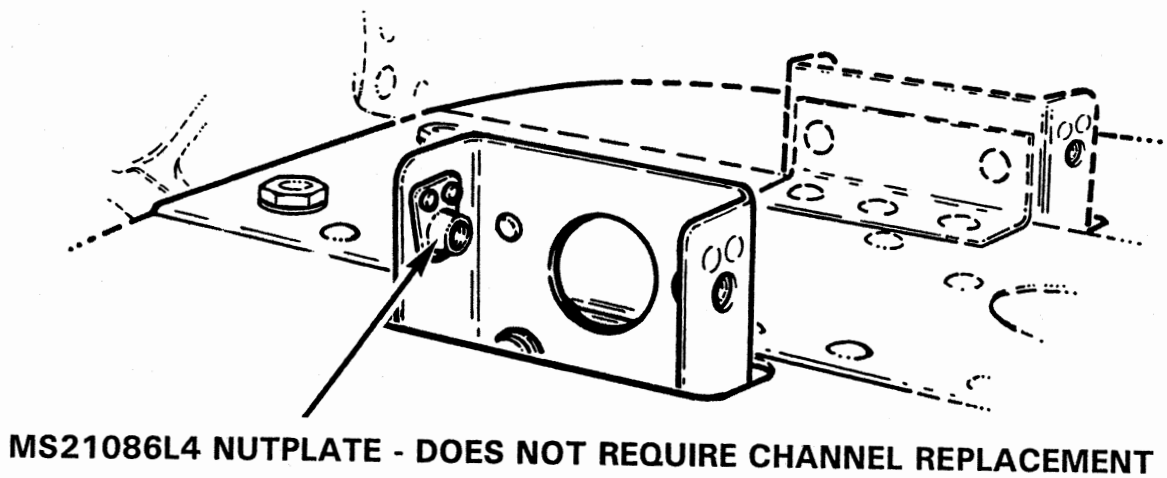
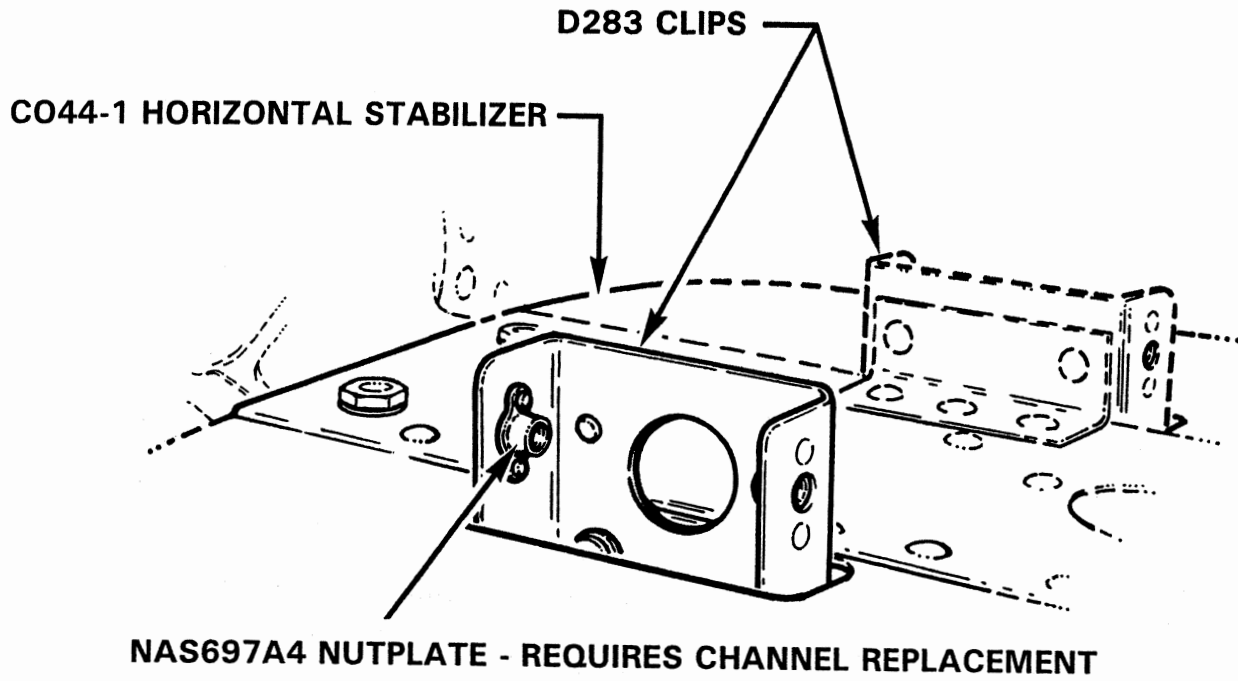
NOTE: Use R44 Maintenance Manual (MM) change 8 dated 31 Jan 00 or later.

1. Determine C044-1 horizontal stabilizer serial number from data plate at inboard rib just aft of tail rotor gearbox. For stabilizer S/Ns 0018, 0090, 0094, 0111, 0129, 0144, 0161, 0178, 0201, 0223, and 0225 and subsequent, no further action is required.
2. For affected stabilizers, remove upper vertical stabilizer per R44 MM Section 4.323(a). Inspect attach bolt nutplates on D283 channels (see figure on page 2). If nutplates are MS21086L4, channel replacement is not required. Reinstall stabilizer per R44 MM Section 4.323(e).
3. If nutplates are NAS697A4, remove empennage per R44 MM Section 4.321 and return all three stabilizers to RHC for D283 channel replacement. Channels may only be replaced at RHC, and all three stabilizers are required to ensure proper nutplate location on new channels.
4. Upon completion of channel replacement, install empennage per R44 MM Section 4.322.
5. Make appropriate maintenance record entries.

**Approximate Cost:**

Parts: No charge.

Labor: 0.3 manhour for stabilizer inspection.



THE DESIGN ENGINEERING ASPECTS OF THIS BULLETIN HAVE BEEN SHOWN TO COMPLY WITH APPLICABLE FEDERAL AVIATION REGULATIONS AND ARE FAA APPROVED.