

**R44 SERVICE BULLETIN SB-101**

**R66 SERVICE BULLETIN SB-34**

**DATE:** 12 August 2019

**TO:** R44-series and R66 Owners, Operators, and Maintenance Personnel

**SUBJECT:** HeliSAS Flight Control Computer

**EFFECTIVITY:** HeliSAS Flight Control Computers (FCCs) having Hardware Mod Code B or prior. Affected computers were installed in autopilot-equipped R44-series and R66 helicopters manufactured in 2015 and early 2016. A reference list of aircraft and FCC serial numbers as-delivered from the Robinson factory is provided on page 2. The FCC serial number is listed in the Installed Equipment section of the Airframe Maintenance Record delivered with the helicopter. The Hardware Mod Code can also be read from a decal on the bottom of the unit if the unit is loosened from its mounts.

**TIME OF COMPLIANCE:** Within the next 150 flight hours or by 31 December 2019, whichever occurs first.

**BACKGROUND:** S-TEC, the manufacturer of the HeliSAS autopilot, has issued Service Letter SL 19-011 which provides instructions to upgrade the FCC to address a possible failure of the audio warning alert for an autopilot disconnect. SL 19-011 is available on the Robinson website.

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**COMPLIANCE PROCEDURE:**

1. Determine Hardware Mod Code of installed FCC.
2. If FCC has Mod Code B or prior, remove per R44 Illustrated Parts Catalog (IPC) Figure 22-7 or R66 Maintenance Manual (MM) § 22-30.
3. Upgrade computer per S-TEC SL 19-011.
4. Install upgraded FCC per R44 IPC Figure 22-7 or R66 MM § 22-30.
5. Make appropriate maintenance record entries.

(OVER)

**APPROXIMATE COST:**

Parts: As indicated in S-TEC SL 19-011.

Labor: As indicated in S-TEC SL 19-011.

<b>FCCs with Hardware Mod Code B or prior Delivered on R44-series Helicopters</b>	
<b>Helicopter S/N</b>	<b>FCC S/N</b>
11294	01311-1528-00561
13889	01311-1528-00558
13925	01311-1528-00559
13934	01311-1527-00556
13936	01311-1528-00560
13947	01311-1528-00557

<b>FCCs with Hardware Mod Code B or prior Delivered on R66 Helicopters</b>	
<b>Helicopter S/N</b>	<b>FCC S/N</b>
No Record	01311-1526-00536
0373	01311-1526-00535
0552	01311-1505-00439
0602	01311-1511-00457
0618	01311-1507-00444
0648	01311-1510-00445
0650	01311-1510-00448
0653	01311-1511-00455
0654	01311-1511-00456
0657	01311-1510-00446
0658	01311-1511-00458
0659	01311-1510-00447
0660	01311-1513-00469
0661	01311-1511-00454
0662	01311-1513-00472
0663	01311-1513-00464
0664	01311-1513-00470
0665	01311-1513-00471
0667	01311-1513-00468
0668	01311-1517-00486
0669	01311-1517-00485

<b>FCCs with Hardware Mod Code B or prior Delivered on R66 Helicopters (cont'd)</b>	
<b>Helicopter S/N</b>	<b>FCC S/N</b>
0672	01311-1517-00484
0674	01311-1517-00487
0675	01311-1517-00488
0676	01311-1523-00512
0681	01311-1523-00515
0682	01311-1523-00511
0683	01311-1523-00513
0687	01311-1523-00514
0688	01311-1524-00526
0690	01311-1524-00524
0691	01311-1527-00548
0692	01311-1525-00527
0694	01311-1527-00551
0696	01311-1527-00550
0697	01311-1527-00549
0770	01311-1524-00525