



ALERT SERVICE BULLETIN

UH-1H-15-12
21 April 2015

MODEL AFFECTED: UH-1H

SUBJECT: ALTERNATE SPARE PART; SWASHPLATE AND SUPPORT ASSEMBLY P/N 204-011-400-129, RECONFIGURATION AND REIDENTIFICATION OF

HELICOPTERS AFFECTED: UH-1H helicopters which are non-type certificated and owned and operated by other than an Armed Service of the United States.

COMPLIANCE: PART I: Within the next 50 flight hours but not later than 6 months after receipt of this ASB.

PART II: At the next disassembly of the scissors and sleeve assembly, but not later than 300 flight hours or 6 months after receipt of this ASB.

DESCRIPTION:

Special Use (SU) Technical Bulletin (TB) SU-95-4 authorized use of the P/N 204-011-400-129 Swashplate and Support Assembly on UH-1H helicopters, as described in the **HELICOPTERS AFFECTED** block above, in lieu of the -011 assembly.

Review of UH-1H fatigue and flight spectrum data has determined the retirement life differences between the individual components of the -011 and the -129 assemblies make the P/N 204-011-400-129 Swashplate and Support Assembly **not usable** as an assembly on the UH-1H. Therefore the authorization to use P/N 204-011-400-129 on the UH-1H is rescinded and TB SU-95-4 is cancelled (see TB SU-95-4, Revision B).

P/N 204-011-400-129 Assemblies which have been installed on UH-1H helicopters under the authority of previous issues of TB SU-95-4 must be reconfigured and re-identified as described in this bulletin.

Applicability of this bulletin to any spare part shall be determined prior to its installation on an affected aircraft.

APPROVAL:

Bell Helicopter does not authorize use of this bulletin to obtain approval from any civil regulatory authority for installation of the P/N 204-011-400-129 Swashplate and Support Assembly on any type certificated UH-1 helicopter.

The engineering design aspects of this bulletin are Bell Helicopter Engineering approved.

CONTACT INFO:

For any questions regarding this bulletin, please contact:

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MANPOWER:

Approximately 4.0 man-hours are required to complete Part I of this bulletin. Man-hours for Part II are not stated as they will vary depending on extent of reconfiguration required. The estimates are based on hands-on time, and may vary with personnel and facilities available.

WARRANTY:

There is no warranty credit applicable for parts or labor associated with this bulletin.

MATERIAL:

Required and consumable material will vary depending on extent of reconfiguration required. Refer to Accomplishment Instructions and referenced Special Use Technical Bulletins.

SPECIAL TOOLS:

None required.

WEIGHT AND BALANCE:

Not affected.

ELECTRICAL LOAD DATA:

Not affected.

REFERENCES:

TM 55-1520-210-23-1 AVUM & AVIM Maintenance Instructions
TM 55-1520-210-23P-1 AVUM & AVIM Repair Parts and Special Tools List
DMWR 55-1615-221 Swashplate and Support Assembly
Technical Bulletin SU-95-4, Revision B
Technical Bulletin SU-15-08

PUBLICATIONS AFFECTED:

TM 55-1520-210-23-1 AVUM & AVIM Maintenance Instructions
TM 55-1520-210-23P-1 AVUM & AVIM Repair Parts and Special Tools List
DMWR 55-1615-221 Swashplate and Support Assembly

ACCOMPLISHMENT INSTRUCTIONS:

PART I:

1. P/N 204-011-400-011 is the authorized Swashplate and Support Assembly for the UH-1H helicopter. Refer to Table 1 for the primary component differences between the -011 and -129 assemblies.
 - a. P/N 212-010-416-101 Gimbal Ring assembly, alternate for P/N 204-010-404-001, is the only Bell Helicopter approved alternate primary component for the -011 assembly. For further information refer to TB SU-15-08.
 - b. Neither P/N 204-011-402-021 nor P/N 204-011-402-127 Inner Rings **have been approved** by Bell Helicopter for installation on the UH-1H.
 - c. Neither P/N 204-011-404-009, -017, -121, nor -125 Support assemblies **have been approved** by Bell Helicopter for installation on the UH-1H.
2. Refer to Table 1. Inspect P/N 204-011-400-129 assemblies installed on the UH-1H under the previous authority of TB SU-95-4 to determine part numbers of inner ring, support, and gimbal ring assemblies installed.
 - a. P/N 204-011-402-021 or -127 Inner Ring **must be replaced as described in Part II of this ASB.**
 - b. P/N 204-011-404-009, -017, -121, or -125 Support Assembly **must be replaced as described in Part II of this ASB.**
 - c. If installed, P/N 212-010-416-101 Gimbal Ring Assembly is subject to a 9,000 hour retirement life when installed on the UH-1H.

- (1) Refer to Technical Bulletin SU-15-08 for helicopter eligibility, parts required, and maintenance and installation instructions for the -101 Gimbal Ring Assembly.
- (2) If required, revise existing historical records for each -101 Gimbal Ring Assembly to reflect the 9,000 hour retirement life. Gimbal Ring Assemblies in excess of 9,000 hours must be replaced as described in PART II of this ASB.

PART II:

1. As a result of the component review in PART I, paragraph 2:
 - a. P/N 204-011-402-021 or -127 Inner Ring must be removed in accordance with Part II of the COMPLIANCE section of this bulletin and replaced with P/N 204-011-402-013. Refer to TM 55-1520-210-23-1 or DMWR 55-1615-221 for replacement procedures.
 - b. P/N 204-011-404-009, -017, -121, or -125 Support Assembly must be removed in accordance with Part II of the COMPLIANCE section of this bulletin and replaced with P/N 204-011-404-005.
 - 1) Refer to TM 55-1520-210-23-1 or DMWR 55-1615-221 for replacement procedures.
 - 2) Prior to reassembly, carefully remove the swashplate and support assembly data plate from the old support and transfer to the new support using new drive screws, P/N MS21318-13.
 - c. If P/N 212-010-416-101 Gimbal Ring Assembly must be replaced due to its exceeding the 9,000 hour retirement life, it must be removed in accordance with Part II of the COMPLIANCE section of this bulletin.
 - 1) If P/N 204-010-404-013 Gimbal Ring is to be installed, refer to TM 55-1615-221 for installation procedures.
 - 2) If P/N 212-010-416-101 Gimbal Ring is to be installed, refer to TB SU-15-08 for helicopter eligibility, parts required, and maintenance and installation instructions.
2. Following replacement of all of the items required in step 1, affected P/N 204-011-400-129 Swashplate and Support Assemblies are to be re-identified as follows:
 - a. Locate the swashplate and support data plate on the support assembly.

CAUTION

IN THE FOLLOWING STEP, DO NOT VIBRO SCRIBE THE SUPPORT ASSEMBLY, VIBRO SCRIBE ONLY THE DATA PLATE.

- b. Using a vibrating stylus, line through the -129 portion of the part number on the data plate. Adjacent to the lined out number, vibro scribe -011FM. **DO NOT CHANGE THE ASSEMBLY SERIAL NUMBER.**
 - c. Revise the component and helicopter records to show the part number change to the scissors and sleeve assembly and note this ASB was authority for the change.
3. Maintain the modified -011FM Scissors and Sleeve Assembly in accordance with U.S. Army publications except as may be noted in TB SU-15-08.
 4. Make an entry in helicopter historical service records indicating compliance with this Alert Service Bulletin.

TABLE 1**204-011-400 Swashplate & Support Assembly
Primary Component Differences***

PART NUMBER	NOMENCLATURE	-011	-129	REFERENCES
204-010-404-001	Gimbal Ring	X	X	
204-011-402-013	Inner Ring	X		
204-011-402-021	Inner Ring		X	Not approved for UH-1H
204-011-402-127	Inner Ring		X	Not approved for UH-1H
204-011-403-001	Outer Ring	X	X	
204-011-404-005	Support	X		
204-011-404-009	Support		X	Not approved for UH-1H
204-011-404-017	Support		X	Not approved for UH-1H
204-011-404-121	Support		X	Not approved for UH-1H
204-011-404-125	Support		X	Not approved for UH-1H
212-010-416-101	Gimbal Ring		X	See TB SU-15-08 for use on UH-1H

* Does not include all assembly differences. Refer to referenced bulletins were applicable.