



SCOTT'S – BELL 47, INC.

Alert Service Bulletin

1 November 2016

47-15-27 R1

Compliance with this Alert Service Bulletin is Mandatory

SUBJECT:

Engine Throttle Linkage Installation and Safety Procedures

PURPOSE:

To specify the approved means of securing the throttle linkage to the carburetor shaft to prevent separation.

HELICOPTERS AFFECTED:

All Helicopters listed on Type Certificate Data Sheets H-1, 2H1, and 2H3 which have Marvel Schebler carburetors models MA-3, MA-3A, MA3-PA, MA-3SPA, MA4-SPA, MA4-5, MA4-5AA, MA-5, MA-5AA, MA-6AA or HA-6 installed.

UNSAFE CONDITION:

This ASB was prompted by reports of incidents/accidents attributed to separation of the throttle linkage from the engine carburetor shaft, which will result in loss of throttle control.

MANDATORY COMPLIANCE:

Part I

Perform this one time inspection prior the next flight. This inspection is to be performed by an appropriately rated mechanic.

Part II

Perform as part of the next scheduled 100-hour or annual inspection, but no later than 90 days after release of this bulletin. Repeat Part II any time the throttle linkage connection is disassembled.



SCOTT'S – BELL 47, INC.

INSTRUCTIONS:

Part I:

1. Check the throttle linkage connection at the engine carburetor as follows:
 - a. Check the linkage for condition and security. Ensure that the throttle linkage is securely attached to the serrated shaft of the carburetor.
 - i. There should be no looseness, axial movement or other relative motion between the serrated shaft and the throttle linkage.
 - b. Check the throttle linkage clamp screw/s for security and presence of safety wire.
 - c. Check for presence of safety wire capturing both the throttle linkage and carburetor stop arm.
 - d.
 - i. If the inspections performed in steps a-c reveal no unacceptable condition, apply Anti-Sabotage Lacquer (Torque-Seal® or equivalent) in accordance with the aircraft Maintenance and Overhaul Instructions (M&O) and release the aircraft for return to service. Annotate in the aircraft maintenance records that Part I of this ASB has been accomplished.
 - ii. If the inspections performed in in steps a-c reveal reveal any unacceptable condition, Part II of this ASB is mandatory prior to further flight.

Part II:

1. Adjust and secure the Throttle Linkage in accordance with the aircraft M&O Instructions as identified in Tables 1 and 2 below.
2. Annotate in the aircraft maintenance records that Part II of this ASB has been accomplished.

DOCUMENTS:

The current M&O's and their temporary revisions identified in Tables 1 and 2 below must be utilized to comply with this Alert Service Bulletin.

Current M&O Instructions are available for purchase from the Scott's – Bell 47 Parts Department.

The M&O Temporary Revisions are available through the Scott's – Bell 47 web site: www.scottsbell47.com under the Support / Technical Publications section.

**For technical assistance, please contact Scott's – Bell 47, Inc.
Tel.: 507-665-0035**



SCOTT'S – BELL 47, INC.

Table 1: Current Maintenance and Overhaul Instructions and Temporary Revisions

M & O Instructions Document Title	Last Revision and Date	Temporary Revision (TR)	TR Publication Date	Authorizing Alert Service Bulletin
Models 47D-1, 47G & 47G-2	Rev. 4, 06/01/1975	47-16-2	11/01/2016	47-15-27 R1
Models 47G-2A & 47G-2A-1	Rev. 3, 02/01/1975	47-16-3	11/01/2016	47-15-27 R1
		47-83-1	11/04/1983	47-83-9
Model 47G-3	Rev. 2, 11/01/1974	47-16-3	11/01/2016	47-15-27 R1
		47-83-1	11/04/1983	47-83-9
Models 47G-3B & 47G-3B-1	Rev. 9, 06/01/1981	47-16-3	11/01/2016	47-15-27 R1
		47-83-1	11/04/1983	47-83-9
Model 47G-3B-2	Rev. 9, 07/01/1981	47-16-3	11/01/2016	47-15-27 R1
		47-83-1	11/04/1983	47-83-9
Model 47G-3B-2A	Rev. 5, 06/01/1981	47-16-3	11/01/2016	47-15-27 R1
		47-83-1	11/04/1983	47-83-9
Models 47G-4 & 47G-4A	Rev. 7, 06/01/1981	47-16-3	11/01/2016	47-15-27 R1
		47-83-1	11/04/1983	47-83-9
Model 47G-5	Rev. 6, 05/15/1981	47-16-3	11/01/2016	47-15-27 R1
		47-83-1	11/04/1983	47-83-9
Model 47G-5A	Rev. 8, 05/15/1981	47-16-3	11/01/2016	47-15-27 R1
		47-83-1	11/04/1983	47-83-9
Model 47J	Rev. 5, 11/01/1974	47-16-2	11/01/2016	47-15-27 R1
Models 47J-2 & 47J-2A	Rev. 7, 07/15/1981	47-16-3	11/01/2016	47-15-27 R1
		47-83-1	11/04/1983	47-83-9
Model 47H-1	Rev. 1, 12/01/1958	See Table 2		



SCOTT'S – BELL 47, INC.

Table 2: Current Temporary Revisions for Model 47H-1

Temporary Revision (TR)	TR Publication Date	Authorizing Alert Service Bulletin
47-16-2	11/01/2016	47-15-27 R1
H72-1	11/10/1972	None
H1-71-2	03/26/1971	
H-1-71-1	03/19/1971	
H-1-70-3	03/20/1970	
H70-2	03/13/1970	
H-1-70-1	01/23/1970	
H-1-69-3	10/06/1969	
H1-69-2	02/14/1969	
H68-7	12/20/1968	
H68-6	08/16/1968	
H68-5	06/21/1968	
H68-4	04/05/1968	
H68-2	01/26/1968	
H68-1	01/05/1968	
H67-8	06/16/1967	
H67-7	05/02/1967	
H67-6	05/02/1967	
H67-5	05/02/1967	
H67-4	04/28/1967	
H67-3	04/21/1967	
H67-2	03/17/1967	
H67-1	02/10/1967	
H66-19	11/18/1966	
H66-18	10/21/1966	
H66-17	10/21/1966	
H66-16	09/02/1966	
H66-15	08/19/1966	
H66-14	08/12/1966	
H66-13	07/29/1966	
H66-12	07/22/1966	
H66-11	07/22/1966	
H1-66-10	07/01/1966	



SCOTT'S – BELL 47, INC.

Table 2 (continued): Current Temporary Revisions for Model 47H-1

Temporary Revision (TR)	TR Publication Date	Authorizing Alert Service Bulletin
H66-9	07/01/1966	None
H66-7	05/27/1966	
H66-6	05/20/1966	
H1-66-5	04/29/1966	
H66-4	03/04/1966	
H-1-66-3	03/04/1966	
H-66-2	03/04/1966	
H66-1	02/04/1966	
H65-3	05/21/1965	
H65-1	03/12/1965	
H64-14	12/04/1964	
H64-13	11/27/1964	
H64-12	11/27/1964	
H64-11	10/30/1964	
H64-10	10/30/1964	
H64-9	10/30/1964	
H64-8	10/09/1964	
H64-6	09/04/1964	
H64-5	08/28/1964	
H64-4	07/17/1964	
H64-3	07/10/1964	
H64-2	07/10/1964	
H64-1	07/03/1964	
H63-5	11/08/1963	
H63-4	09/27/1963	
H63-3	09/27/1963	
H63-2	05/03/1963	
H63-1	01/25/1963	
H62-22	11/23/1962	
H62-21	11/23/1962	
H62-20	11/23/1962	
H62-18	10/31/1962	
H62-16	10/08/1962	



SCOTT'S – BELL 47, INC.

Table 2 (continued): Current Temporary Revisions for Model 47H-1

Temporary Revision (TR)	TR Publication Date	Authorizing Alert Service Bulletin
H62-14	09/04/1962	None
H62-13	09/04/1962	
H62-11	07/13/1962	
H62-10	06/29/1962	
H62-9	06/29/1962	
H62-8	06/15/1962	
H62-7	06/01/1962	
H62-6	05/04/1962	
H62-5	05/04/1962	
H62-3	03/02/1962	
H62-2	03/02/1962	
H61-10	12/15/1961	
H61-9	12/15/1961	
H61-8	12/15/1961	
H61-7	12/15/1961	
H61-6	12/15/1961	
H-61-5	10/20/1961	
H-61-4	10/06/1961	
H-61-3	10/06/1961	
H-61-2	10/06/1961	
H-61-1	10/06/1961	
H60-4	10/15/1960	
H60-1	03/01/1960	
H59-6	08/11/1959	
H59-5	08/01/1959	
H59-4	07/15/1959	
H59-3	07/06/1959	
H59-2	06/26/1959	
H58-4	07/01/1958	
H58-3	07/01/1958	
H58-2	07/01/1958	
H58-12	1958	