

R44 SERVICE LETTER SL-78

DATE: 11 November 2020

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

SUBJECT: Field Service Data for Intake Valves

EFFECTIVITY: R44 I and R44 Cadet helicopters with engine serial numbers ending in -40E.

TIME OF COMPLIANCE: Per Lycoming SI 1577.

BACKGROUND: Lycoming released Service Instruction No. 1577 which calls for operators to provide data, including differential compression test results, to assess intake valve condition across the fleet. The compression test is to be conducted at 50 hour intervals for engines (or cylinders) with less than 500 hours time in service and at the standard 100 hour interval for engines with higher time in service. The Service Instruction is intended to help identify leaking intake valves related to RHC's [Safety Alert dated 14 October 2020](#).

COMPLIANCE PROCEDURE:

1. Complete intake valve survey, including differential compression test, per [Lycoming Service Instruction No. 1577](#).
2. Make appropriate maintenance record entries.