

R44 SERVICE BULLETIN SB-85

DATE: 31 August 2012

TO: R44 owners, operators, and maintenance personnel

SUBJECT: C771-1 Air Filter Deterioration

ROTORCRAFT AFFECTED: R44 helicopters S/N 0004 thru 2230, and spare C771-1 air filters.

TIME OF COMPLIANCE: Within next 10 flight hours or by 31 October 2012, whichever occurs first.

BACKGROUND: RHC has received reports of engine air filter deterioration in service. Cracks were found in the rubber that seals the upper and lower surfaces of the filter in the airbox. Reports have so far been isolated to a specific manufacturing lot. This bulletin requires air filter inspection and replacement of specified filters.

COMPLIANCE PROCEDURE:

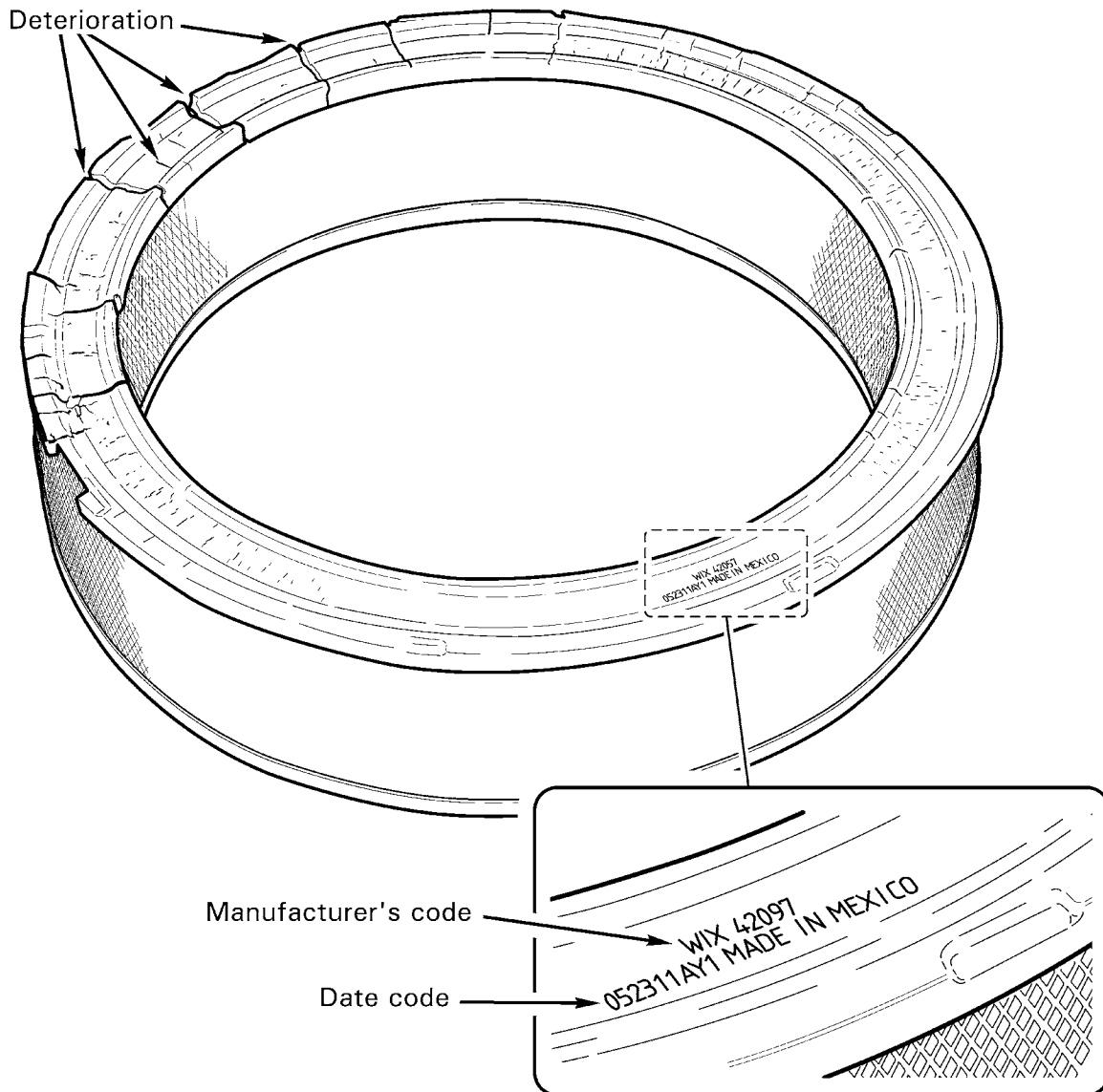
1. Open airbox, and remove C771-1 air filter.
2. Refer to figure on page 2. Filter is unairworthy if date code is 052311AY1 or if rubber has deteriorated as shown.
3. If filters with date code other than 052311AY1 are found with deteriorated rubber, report finding to [RHC Technical Support](#).
4. Install airworthy filter and close airbox.
5. Make appropriate maintenance record entries.
6. Remove all filters with date code 052311AY1 from spares inventory.

Approximate Cost:

Parts: \$14.25 for (1) C771-1 filter. Filters with date code 052311AY1 or rubber deterioration may be returned to RHC for credit or exchange.

Labor: 0.5 man-hour.

(OVER)



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