



SERVICE NEWS

AIRCRAFT MOTORS INC.
STRATFORD, NEW YORK

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NO. N-42

SUBJECT: INSPECTION OF THROTTLE BODY TO BOWL GASKETS ON MARVEL-SCHEBLER MA-4-5 CARBURETORS ON MODELS 6A4-165, 6V4-178, 6V4-200 AND 6A8-215 ENGINES

Extensive investigation has indicated that air leakage at the throttle body to bowl gasket on MA-4-5 carburetors will cause excessively rich operation and roughness of the subject engines.

It has been determined that air leakage occurs most frequently in warm humid areas due to the throttle body to bowl gasket being exposed to alternate periods of high humidity and temperature, thus causing the gasket, Marvel-Schebler Part No. 16-A31, to shrink.

In the event rich carburetors or rough engine operation is experienced, it is suggested that the gasket between the carburetor throttle body and bowl be replaced with a new gasket, Marvel-Schebler Part No. A16-A251, which will effectively eliminate shrinkage and distortion. The new gasket material, known as Lexide, does have a slight capillary characteristic which may result in the coloring of the carburetor exterior, adjacent to the parting surface due to gasoline wicking. This condition does not affect the performance of the carburetor and will not increase the operational hazard.

The new gasket, Part No. A16-A251 is smooth and has one light brown side and one gray-green side with a fabric appearance. The old gasket, Part No. A16-A31, is a darker brown and is "cork-like" in appearance.