

DESCRIPTION AND MAINTENANCE INSTRUCTIONS

ENGINE AIR FILTERS AND SCREENS REMOVAL

(This EO replaces EO 05-1-2T dated 4 Oct 62)

GENERAL

1 Serious power loss or complete engine failure can occur if air intakes become blocked with ice or snow. In order to eliminate this hazard screens and filters shall be serviced in accordance with this order.

DEFINITIONS

2 For the purpose of this order, the following definitions shall apply:

- (a) SCREEN - A coarse wire mesh screen at or near the air intake.
- (b) FILTER - A fine filter designed to remove all dust and grit from the air entering the engine.
- (c) DECK SCREEN - A coarse wire mesh screen immediately adjacent to the carburettor.
- (d) COLD SECTION - That portion of the induction system upstream of the point where heated air enters the system.
- (e) HOT SECTION - That portion of the induction system downstream of the point where heated air enters the system.

PROCEDURE

3 All screens and filters in the COLD SECTION shall be removed whenever icing conditions may be anticipated. Screens and filters in the HOT SECTION shall remain in place. Deck screens are not to be removed.

NOTE

On some engines, removal of screens and/or filters will necessitate installation of spacers or distance pieces. Reference to the applicable -2 or -4 EOs will determine if these can be procured or if they are to be manufactured locally.

Care must be taken to ensure that no pieces of rubber sealing strips or similar material can be drawn into the induction system when screens and/or filters are removed. Any sealing strips, gaskets etc. remaining in the induction system must be securely cemented in place.

SPECIAL WEATHER CONDITIONS

4 Icing conditions may be encountered at any time of the year in some areas such as the North Atlantic route, and Northern Canada. The CTSO of the unit concerned will ensure that the requirements of paragraph 3 are observed regardless of the season of the year.

EO 05-1-2T

STORAGE

5 Screens and filters removed from induction systems should not normally be carried in the aircraft, but should be stored under unit arrangements.

ISSUED ON AUTHORITY OF THE CHIEF OF THE AIR STAFF

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