

# FIELD SERVICE BULLETIN

*Navion*



**RYAN AERONAUTICAL COMPANY, LINDBERGH FIELD, SAN DIEGO 12, CALIFORNIA**

FIELD SERVICE BULLETIN NO. 16

MANDATORY BY 6-15-52

February 12, 1952

TO: ALL NAVION DISTRIBUTORS, DEALERS AND  
OWNERS OF SUPER 260 MODEL NAVIONS

SUBJECT: CARBURETOR AIR DUCT CHANGE

EFFECTIVITY: ALL SUPER 260 MODEL NAVIONS

Additional service experience since the issuance of Field Service Bulletin No. 15 has revealed that under certain conditions it is possible for the 146-42207 flexible air duct between the carburetor air filter assembly and carburetor air mix box to collapse causing partial stoppage of the carburetor air induction system with some loss in available engine horsepower. To preclude any possibility of this happening it is mandatory that a wire reinforced duct be used.

Replacement ducts now available from the factory have the wire reinforcement incorporated in the duct wall at time of manufacture. Ducts already installed and in good condition can be reinforced with suitable hoops of spring wire or weld rod.

A simple method of reinforcement consists of two hoops made of 1/8" diameter welding rod, as shown in the illustration below. These hoops to be installed in the two center bellows of the duct. The hoops should be of such a size and contour that they fit tightly in the duct so there is no possibility of their coming out during flight.

After compliance, which should be at the next 100 hour inspection period, the 25 hour inspection required by Field Service Bulletin No. 15 and C.A.A. AD 51-19-3 may be discontinued. In no case should compliance with this bulletin be postponed beyond June 15, 1952.

