PIPER

Customer Services

SERVICE LETTER

No. 591

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

August 31, 1971

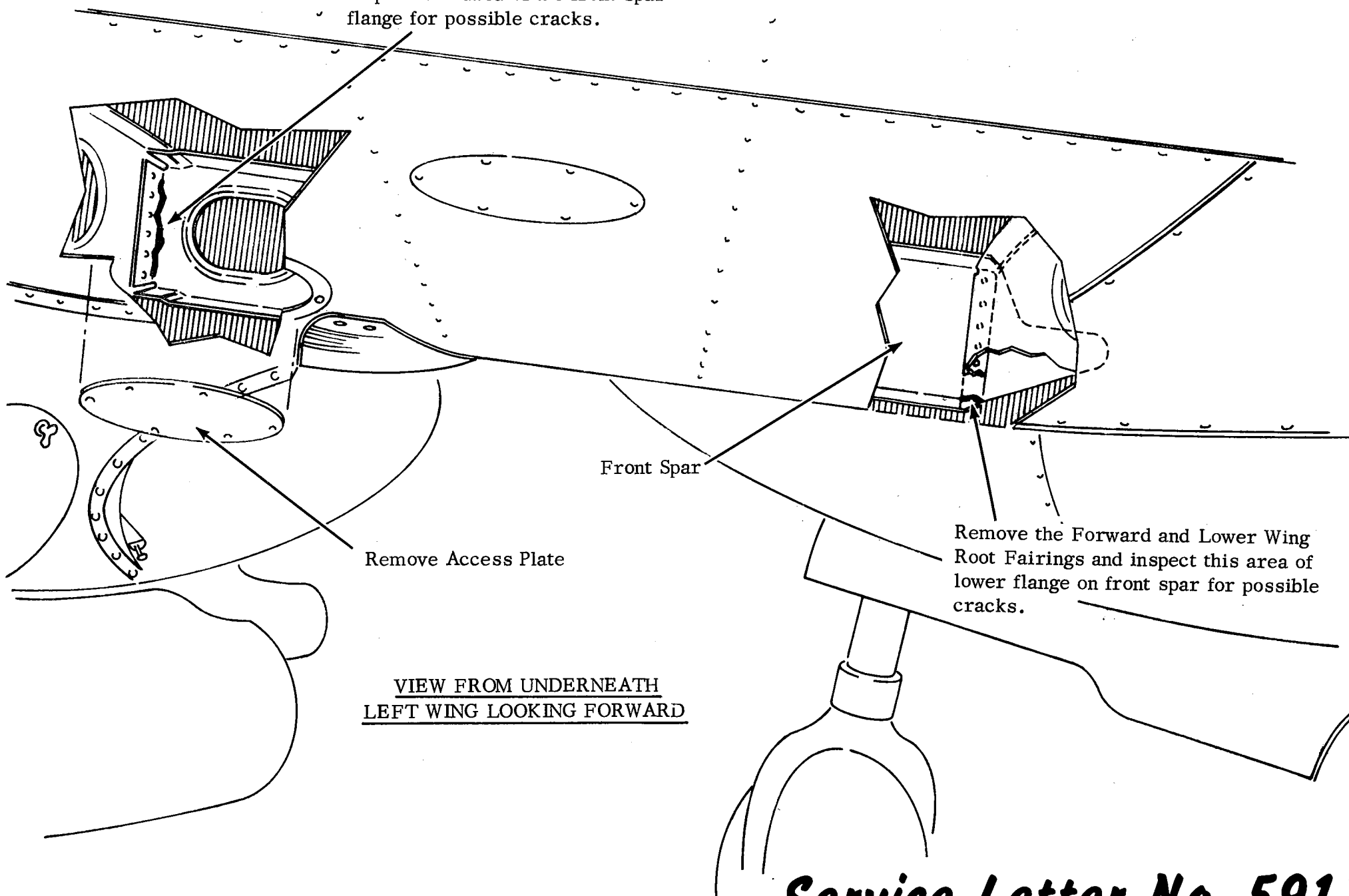|	
Subject:	Wing Front Spar Inspection and Reinforcement
Models Affected:	PA-23-235, PA-23-250, PA-E23-250 and PA-23-250 (Six Place) Aztec
Serial Numbers Affected:	27-1 to 27-4659 incl.; Note, Material Required, below.
Compliance Time:	Recommended at the next 100 hour inspection or annual inspection, whichever occurs first.
Purpose:	Several product condition reports have been received concerning the existence of cracks on the front spar (inboard and/or outboard) lower flange, as depicted on the sketch on the reverse side of this letter. These reports involved high time aircraft operated under conditions involving higher than normal stress. This Service Letter provides wing front spar inspection instructions (reference sketch on reverse side of this letter) and wing front spar inboard and outboard reinforcement kits, as required.
Instructions:	1. Inspect the wing front spars in accordance with the sketch/instruction sheet on reverse side of this letter. 2. Should cracks be detected, install the appropriate wing front spar reinforcement kit as denoted in Material Required, below.
Material Required:	1. Aztec Serial Numbers 27-1 to 27-4639 incl.; one (1) each (per aircraft) Wing Front Spar Inboard Reinforcement Kit, part number 760 521, as required at suggested unit retail price $3.80A. 2. Aztec Serial Numbers 27-1 to 27-4659 incl.; one (1) each (per aircraft) Wing Front Spar Outboard Reinforcement Kit, part number 760 524, as required at suggested unit retail price $1.85C.
Availability of Parts:	Your Piper Dealer.

(over)

Remove the Lower Access Plate and inspect this area of the front spar flange for possible cracks.

Remove Access Plate

Front Spar

Remove the Forward and Lower Wing Root Fairings and inspect this area of lower flange on front spar for possible cracks.

VIEW FROM UNDERNEATH
LEFT WING LOOKING FORWARD

Service Letter No. 591