

**CHAPTER**

**78**

**EXHAUST**

GENERAL ELECTRIC  
CF700 TURBOFAN

SEI-187

MAINTENANCE MANUAL

CHAPTER 78 - EXHAUST SECTION

TABLE OF CONTENTS

	<u>Page</u>
78-00 EXHAUST SECTION	
Description.....	1
78-10 COLLECTOR SYSTEM (Table of Contents only)	
78-11-0 Exhaust Nozzle Assembly	
Maintenance Practices.....	201

CHAPTER 78 - EXHAUST SECTION

LIST OF EFFECTIVE PAGES

<u>CHAPTER/ SECTION</u>	<u>PAGE</u>	<u>DATE</u>
78	*I	Oct 1/89
78 Contents	I	Jun 1/84
78-00	1	Jun 1/70
78-11-0	*201	Oct 1/89

\*Asterisk indicates pages added, changed, or deleted by this revision.

EXHAUST SECTION - DESCRIPTION

1. General. The primary function of the nozzle (tailpipe) is to collect the turbine exhaust and aft fan gases and direct them out the rear of the engine.
2. Description. The nozzle is constructed of steel sheet metal with two external stiffening rings and a forward flange for mounting the nozzle to the aft fan rear flange. Bosses are located in the forward stiffening ring for mounting the exhaust pressure probes.

EXHAUST NOZZLE ASSEMBLY - MAINTENANCE PRACTICES

1. General. This section gives the removal/installation procedures and inspection limits for the exhaust nozzle (tailpipe).

2. Removal/Installation.

A. Removal.

- (1) Remove exhaust pressure probe (see Section 77-11-0).
- (2) Remove the bolts and nuts from the nozzle forward flange.

CAUTION: SUPPORT NOZZLE WHEN REMOVING BOLTS TO PREVENT DAMAGE.

B. Installation.

- (1) Correctly position nozzle, for left or right engine, against aft fan rear flange.
- (2) Install bolts and torque to 24-27 lb-in.
- (3) Install exhaust pressure probe (see Section 77-11-0).

3. Inspection/Check. Visually inspect the exhaust nozzle as follows:

Inspection/Check	Maximum Serviceable Limits	Remarks
A. Cracks anywhere in the exhaust nozzle	Not serviceable	
B. Dents in bolt flange mating surface	Not serviceable	
C. Dents, bulges, distortion anywhere in the exhaust nozzle (except bolt flange mating surface).	Any number not over 0.125 inch deep	Cold work to original contour.
D. Scratches and nicks in any area	Any number not over 0.015 inch deep	
E. Probe bosses for thread damage	An accumulative amount of 1 full thread damaged or missing with no high metal	Chase threads.