

DOORS - GENERAL

1. Scope

A. Three entry doors, one cargo door, or an optional in-flight movable door are provided for pilot, passengers, and cargo loading and unloading. A single piece entry door for pilot is located on forward left side of fuselage, and an opposite door for front seat passenger is located on forward right side of fuselage. The primary passenger loading and unloading door, located just aft of wing on right side of fuselage, is a two-piece air-stair type door. Cargo loading is accomplished through a large two-piece door on left side of fuselage. Steps that fold and stow just inside left crew door are provided for crew to enter and exit airplane. Optional right crew door steps are available. A door open warning system is also provided as a safety feature. If upper cargo door or upper passenger/air-stair door is not properly latched, a red light, labeled DOOR WARNING, located in annunciator panel, illuminates to alert the pilot.

2. Tools, Equipment and Materials

NOTE: Equivalent Substitutes may be used for the listed items:

NAME	NUMBER	MANUFACTURER	USE
Scale	5W587	A Grainger V. W., Inc. Grainger Division 2227 Clark Street St. Louis, MO 63107	Test gas spring.
Adhesive	Loctite 242	Loctite Corp 705 N. Mountain Rd. Newington,, CT 06111	To lock and seal threaded fasteners on door lock installations.
Adhesive	EC-1300L	3M Company St. Paul, MN 55101	To bond door seal corners to door.
Adhesive	RTV-157 Gray	General Electric Waterford, NY	To bond door seals to door.
Methyl n-Propyl Ketone		Commercially Available	Cleaning bonding surfaces and seals.

3. Definition

- A. This chapter is divided into sections to aid maintenance personnel in locating information. Consulting the Table of Contents will further assist in locating a particular subject. A brief description of the sections follows:
- (1) The section on passenger and crew doors provides a description of components and maintenance practices.
 - (2) The section on cargo door provides a description of components and maintenance practices.
 - (3) The section on roll up door provides a description of components and maintenance practices.
 - (4) The section on air deflector provides a description of components and maintenance practices.
 - (5) The section on door warning provides troubleshooting and maintenance practices.