

CHAPTER

47

**NITROGEN
GENERATION
SYSTEM**



**737-600/700/800/900
ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

**CHAPTER 47
NITROGEN GENERATION SYSTEM**

Subject/Page	Date	Subject/Page	Date	Subject/Page	Date
47-EFFECTIVE PAGES					
1	Feb 05/2016				
2	BLANK				
47-CONTENTS					
1	Aug 05/2014				
2	BLANK				
47-00-01					
R 1	Feb 05/2016				
2	Aug 05/2014				
3	Aug 05/2014				
4	Aug 05/2014				
47-20-01					
1	Aug 05/2014				
2	Aug 05/2014				

A = Added, R = Revised, D = Deleted, O = Overflow

47-EFFECTIVE PAGES



737-600/700/800/900
ILLUSTRATED TOOL AND EQUIPMENT MANUAL

CHAPTER 47
NITROGEN GENERATION SYSTEM

<u>SUBJECT</u>	<u>TITLE</u>	<u>PART NO.</u>
47	NITROGEN GENERATION SYSTEM	
47-00-01	TEST EQUIPMENT - LEAK AND PRESSURE, NITROGEN GENERATION SYSTEM	G47001-19
47-20-01	TEST EQUIPMENT - NITROGEN-ENRICHED AIR DISTRIBUTION NEGATIVE PRESSURE LEAK CHECK	C47001-1

47-CONTENTS



737-600/700/800/900
ILLUSTRATED TOOL AND EQUIPMENT MANUAL

PART NUMBER: G47001-19

NAME: TEST EQUIPMENT - LEAK AND PRESSURE, NITROGEN GENERATION SYSTEM

AIRPLANE MAINTENANCE: YES
AMM 47-21-00

COMPONENT MAINTENANCE: NO

USAGE & DESCRIPTION: The G47001-19 test equipment is used on all 737 airplanes equipped with a nitrogen generation system.

G47001 is installed in the air conditioning compartment behind the ram air access panel. The nitrogen generation system (NGS) generates nitrogen enriched air that is supplied to the center tank to reduce the flammability of the center fuel tank vapors (ullage). G47001 is used to perform leak and pressure tests on the nitrogen generating system and tubing leading to the center wing tank.

Refer to the current G47001 drawing and AMM 47-21-00 for complete usage instructions.

G47001-19 consists of:

G47001-19		
QUANTITY	NOMENCLATURE	PART NUMBER
1	TEST ASSEMBLY	G47001-22
1	CAP ASSEMBLY	G47001-10
1	STORAGE BOX	

WEIGHT: 3 lbs (1.4 kg)

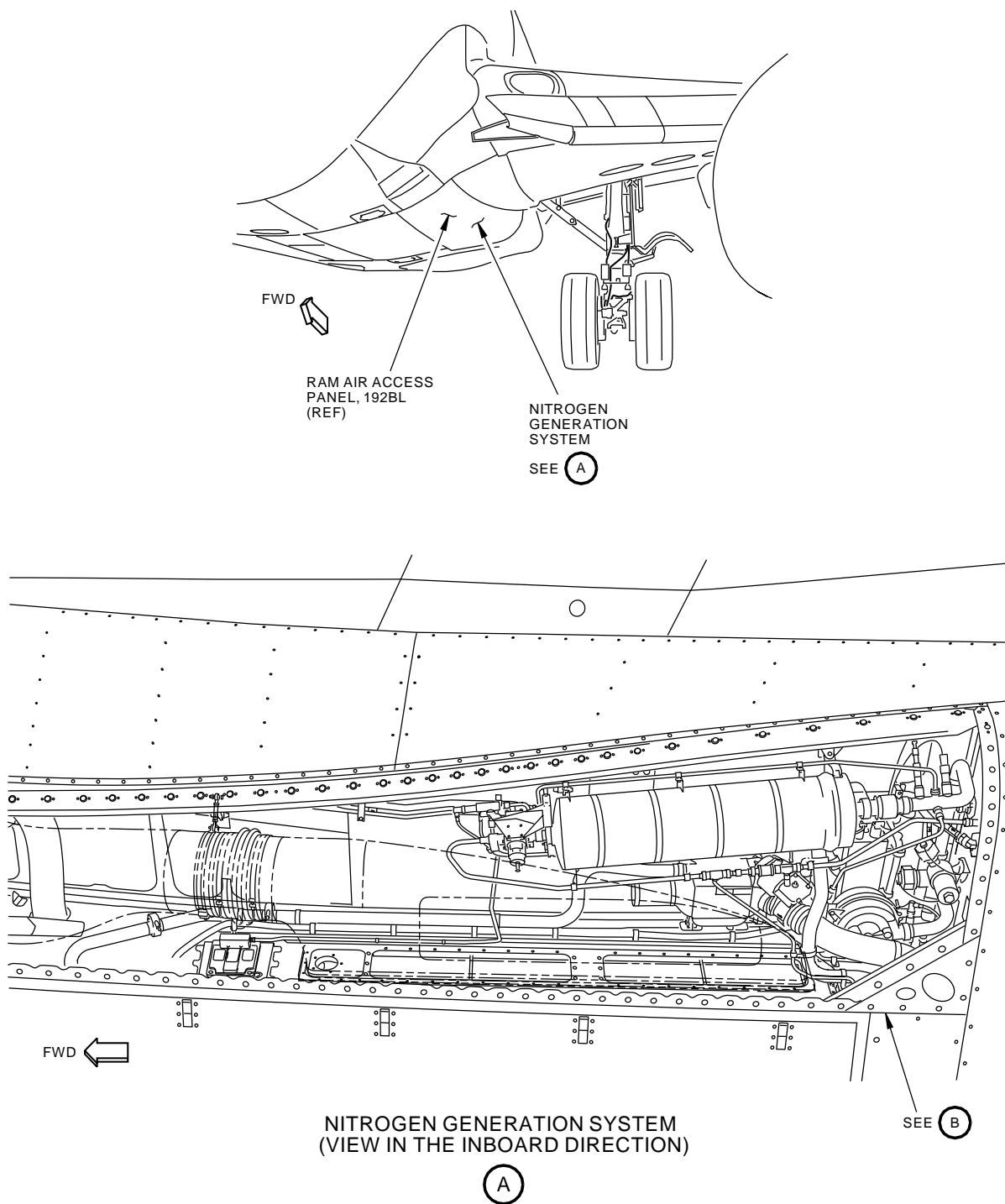
DIMENSIONS: 10 x 10 x 20 inches (254 x 254 x 508 mm)

NOTE: G47001-19 supersedes G47001-7.

47-00-01



737-600/700/800/900
ILLUSTRATED TOOL AND EQUIPMENT MANUAL



1849505 S0000329972_V1

Nitrogen Generation System
Figure 1 (Sheet 1 of 3)

47-00-01

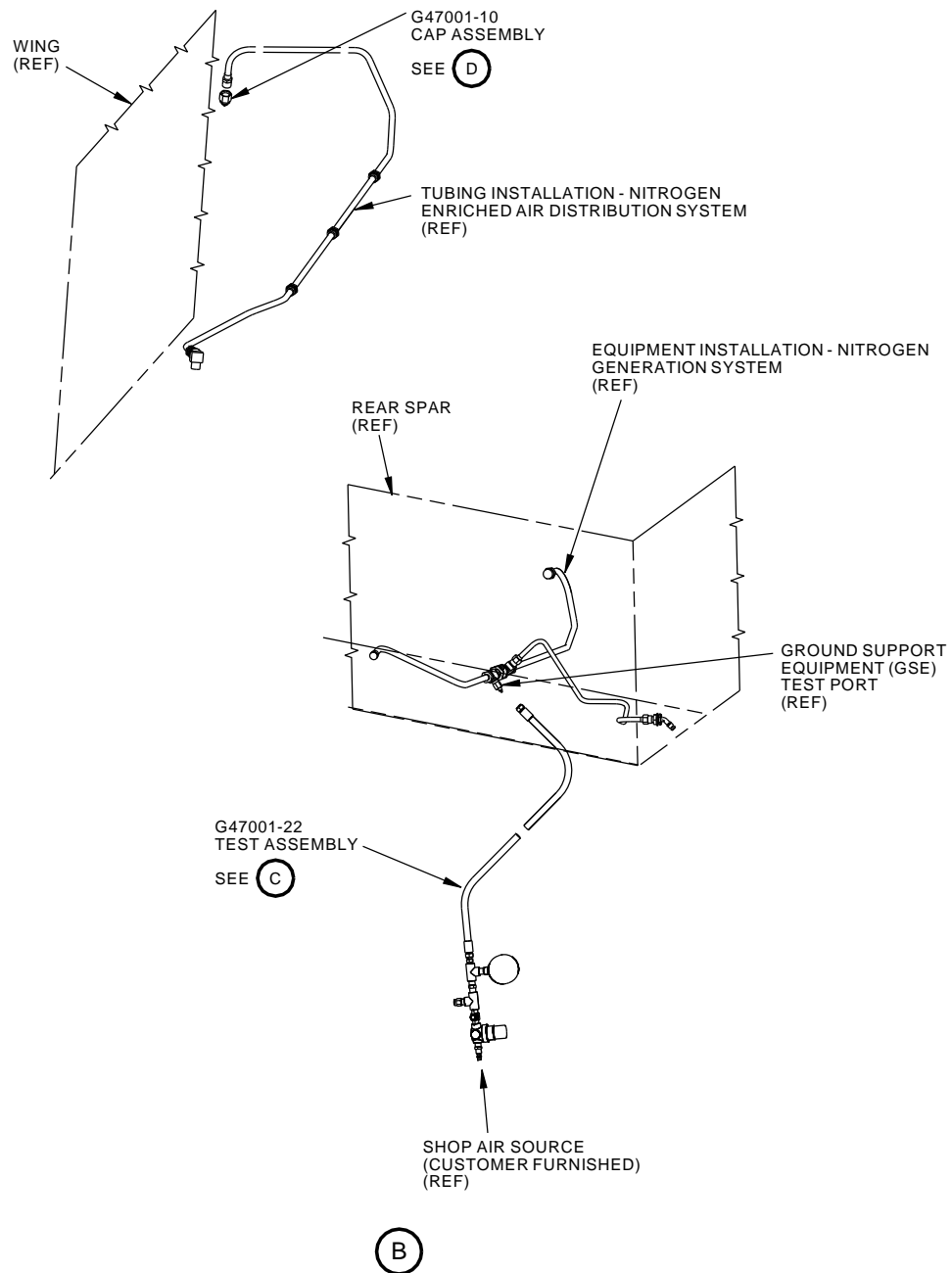
D634A501

BOEING PROPRIETARY - Copyright © Unpublished Work - See title page for details

Page 2
Aug 05/2014



737-600/700/800/900
ILLUSTRATED TOOL AND EQUIPMENT MANUAL



1849531 S0000329974_V2

Nitrogen Generation System
Figure 1 (Sheet 2 of 3)

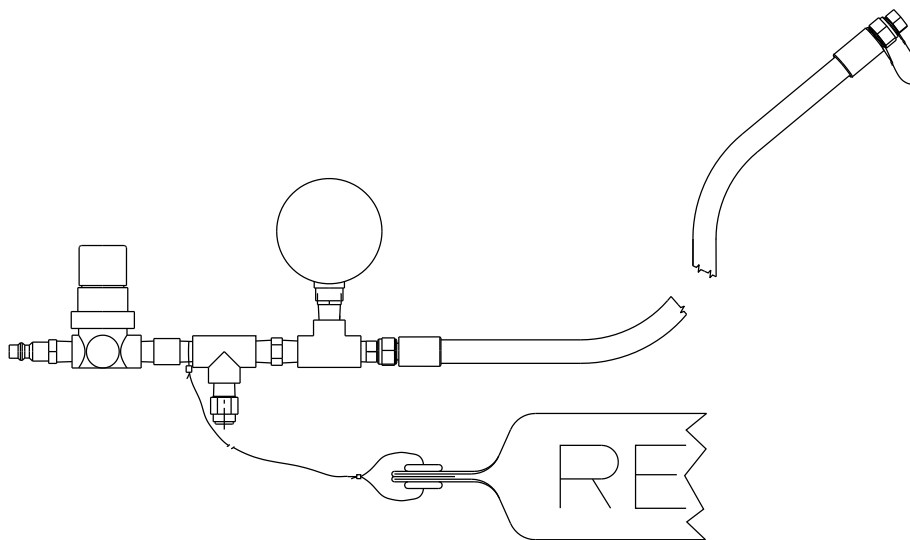
47-00-01

D634A501

BOEING PROPRIETARY - Copyright © Unpublished Work - See title page for details

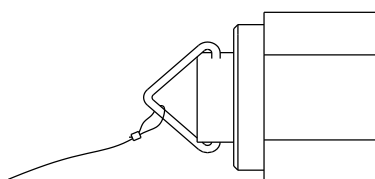


737-600/700/800/900
ILLUSTRATED TOOL AND EQUIPMENT MANUAL



G47001-22
TEST ASSEMBLY

(C)



G47001-10
CAP ASSEMBLY

(D)

1849546 S0000329982_V3

Nitrogen Generation System
Figure 1 (Sheet 3 of 3)

47-00-01



737-600/700/800/900
ILLUSTRATED TOOL AND EQUIPMENT MANUAL

PART NUMBER: C47001-1

NAME: TEST EQUIPMENT - NITROGEN-ENRICHED AIR DISTRIBUTION
NEGATIVE PRESSURE LEAK CHECK

AIRPLANE MAINTENANCE: YES

AMM 47-21-00

COMPONENT MAINTENANCE: NO

USAGE & DESCRIPTION: The C47001-1 test equipment is used on all 737-600 thru -900 airplanes.
C47001 is used to in conjunction with customer furnished compressed shop air pressure to preform the nitrogen-enriched air distribution negative pressure leak test.

Refer to AMM 47-21-00 and the current C47001 drawing for complete usage instructions.

C47001-1 consists of:

C47001-1		
QUANTITY	NOMENCLATURE	PART NUMBER
1	CONTROL BOX ASSEMBLY	C47001-2
1	HOSE ASSEMBLY	C47001-3
1	STORAGE BOX	

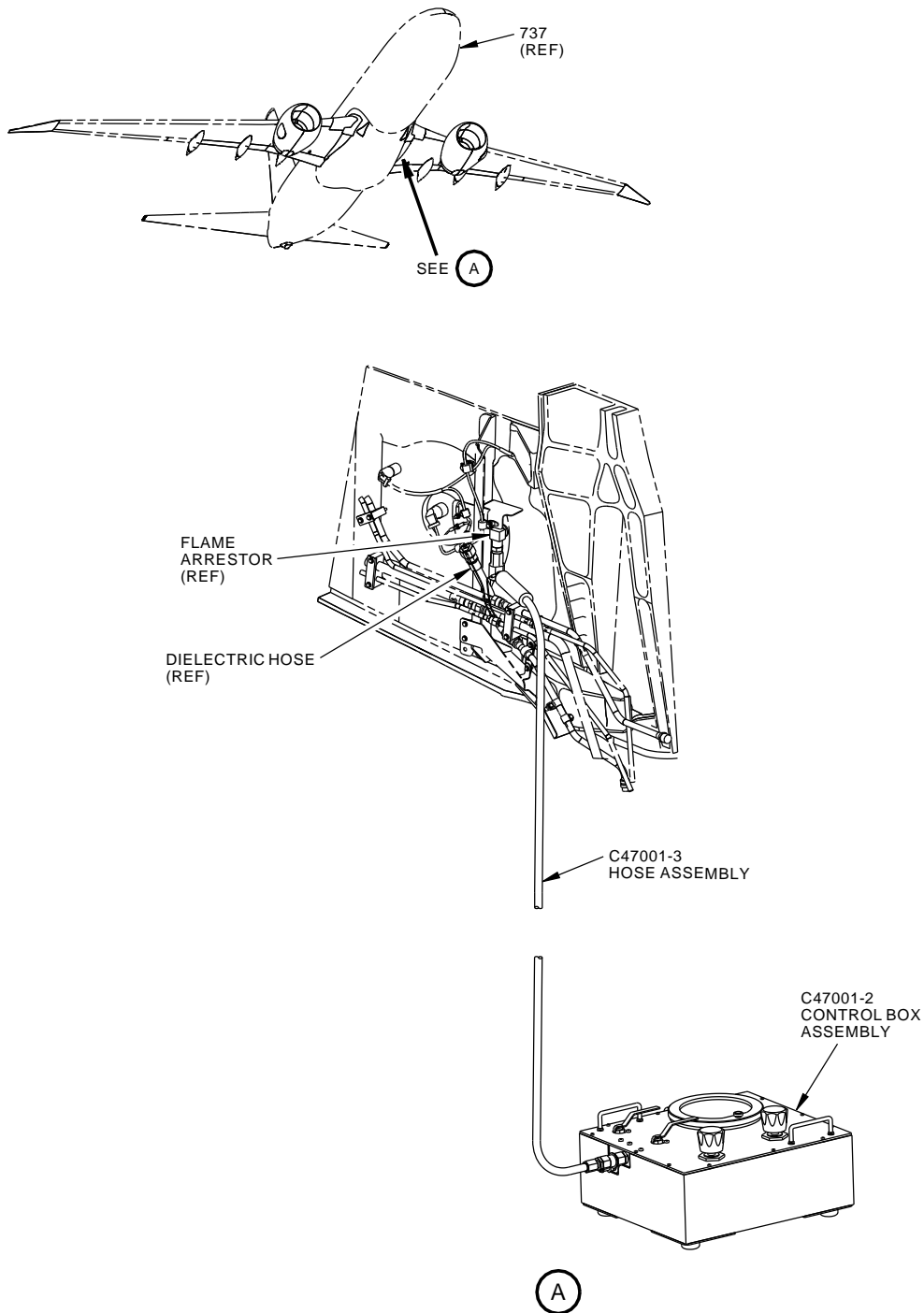
WEIGHT: 39 lbs (18 kg)

DIMENSIONS: 10 x 18 x 28 inches (254 x 457 x 711 mm)

47-20-01



**737-600/700/800/900
ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



2263621 S0000507473_V1

**NEADS Negative Pressure Leak Check Test Equipment
Figure 1**

47-20-01

D634A501

BOEING PROPRIETARY - Copyright © Unpublished Work - See title page for details

Page 2
Aug 05/2014