

CHAPTER

35

OXYGEN



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

CHAPTER 35
OXYGEN

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<u>SUBJECT</u>	<u>TITLE</u>	<u>PART NO.</u>
35	OXYGEN	
35-10-01	PRESSURE LEAK TEST EQUIPMENT - CREW OXYGEN SYSTEM	C35001-1, -6
35-10-02	PRESSURE LEAK TEST EQUIPMENT - PASSENGER OXYGEN SYSTEM	C35002-1, -14
35-20-01	RETRACTION EQUIPMENT - FIRING PIN, OXYGEN SYSTEM	A35001-13
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PART NUMBER: C35001-1, -6

NAME: PRESSURE LEAK TEST EQUIPMENT - CREW OXYGEN SYSTEM

AIRPLANE MAINTENANCE: YES

AMM 12-15-21, AMM 12-15-22, AMM 35-12-00

COMPONENT MAINTENANCE: NO

USAGE & DESCRIPTION: The C35001-1 (option) or C35001-6 (preferred) test equipment is used on all 737 airplanes, except 737-100 thru -500 airplanes.

C35001 is used to check the low pressure side of the crew oxygen system.

Refer to AMM 12-15-21, AMM 12-15-22, AMM 35-12-00 and the current C35001 drawing for complete usage instructions.

C35001-1 and -6 consist of:

C35001-1		
QUANTITY	NOMENCLATURE	PART NUMBER
1	TEST ASSEMBLY	C35001-2
1	END CAP	C35001-8
5	END CAP	C35001-9
4	PLUG	C35001-10
1	STORAGE BOX	

C35001-6		
QUANTITY	NOMENCLATURE	PART NUMBER
1	TEST ASSEMBLY	C35001-7
1	END CAP	C35001-8
5	END CAP	C35001-9
4	PLUG	C35001-10
1	STORAGE BOX	

WEIGHT: 9 lbs (4 kg)

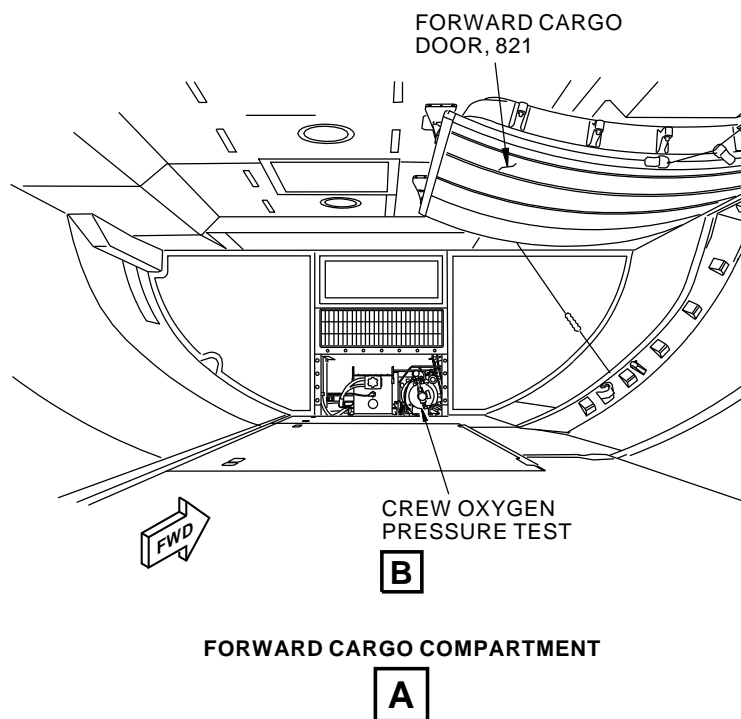
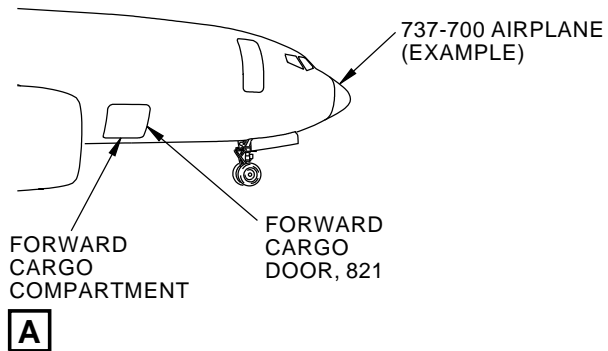
DIMENSIONS: 34 x 7 x 3 inches (864 x 178 x 76 mm)

NOTE: C35001-6 replaces C35001-1 for future procurement.

35-10-01



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**Crew Oxygen Cylinder Location
Figure 1**

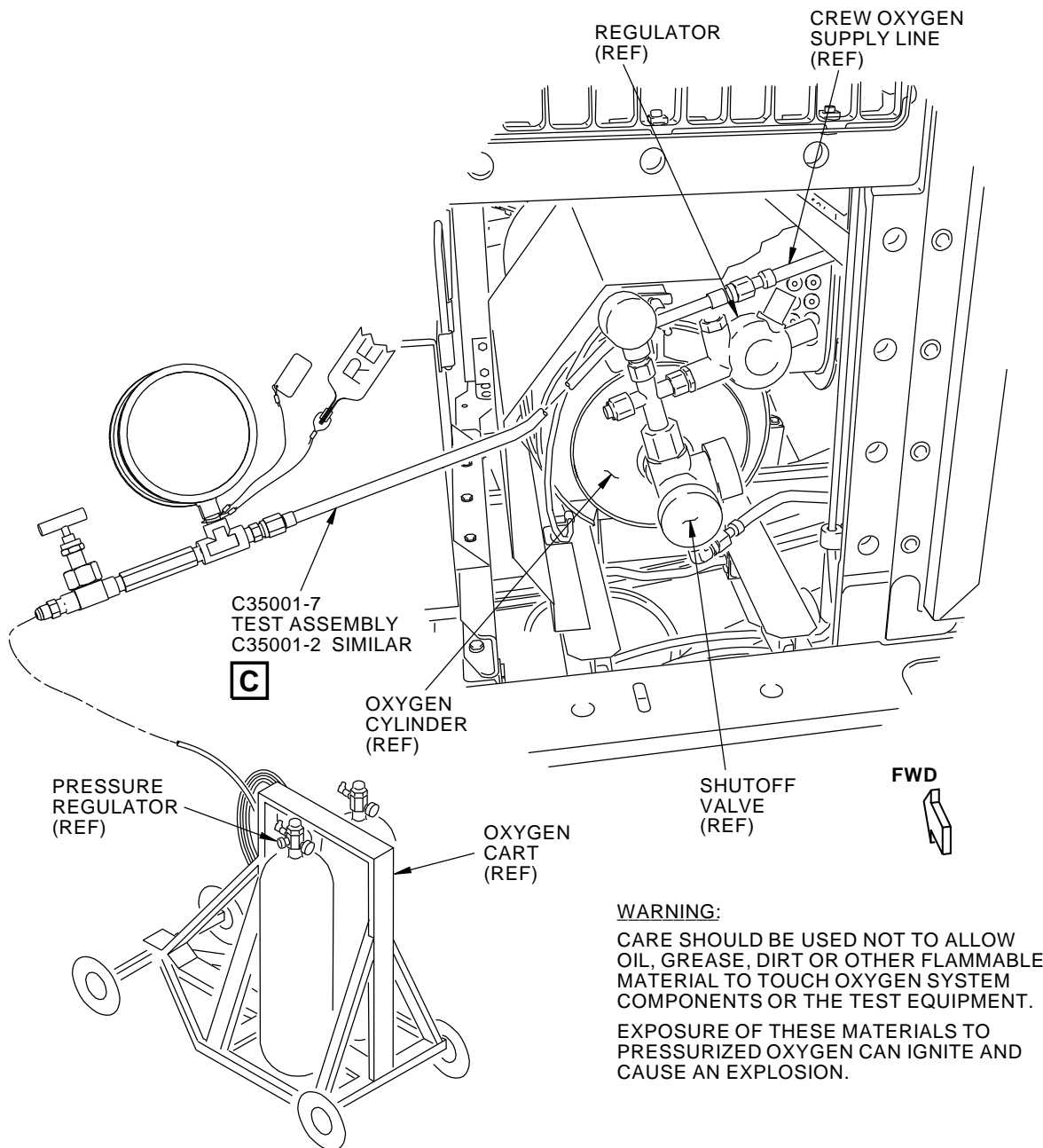
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CREW OXYGEN PRESSURE TEST

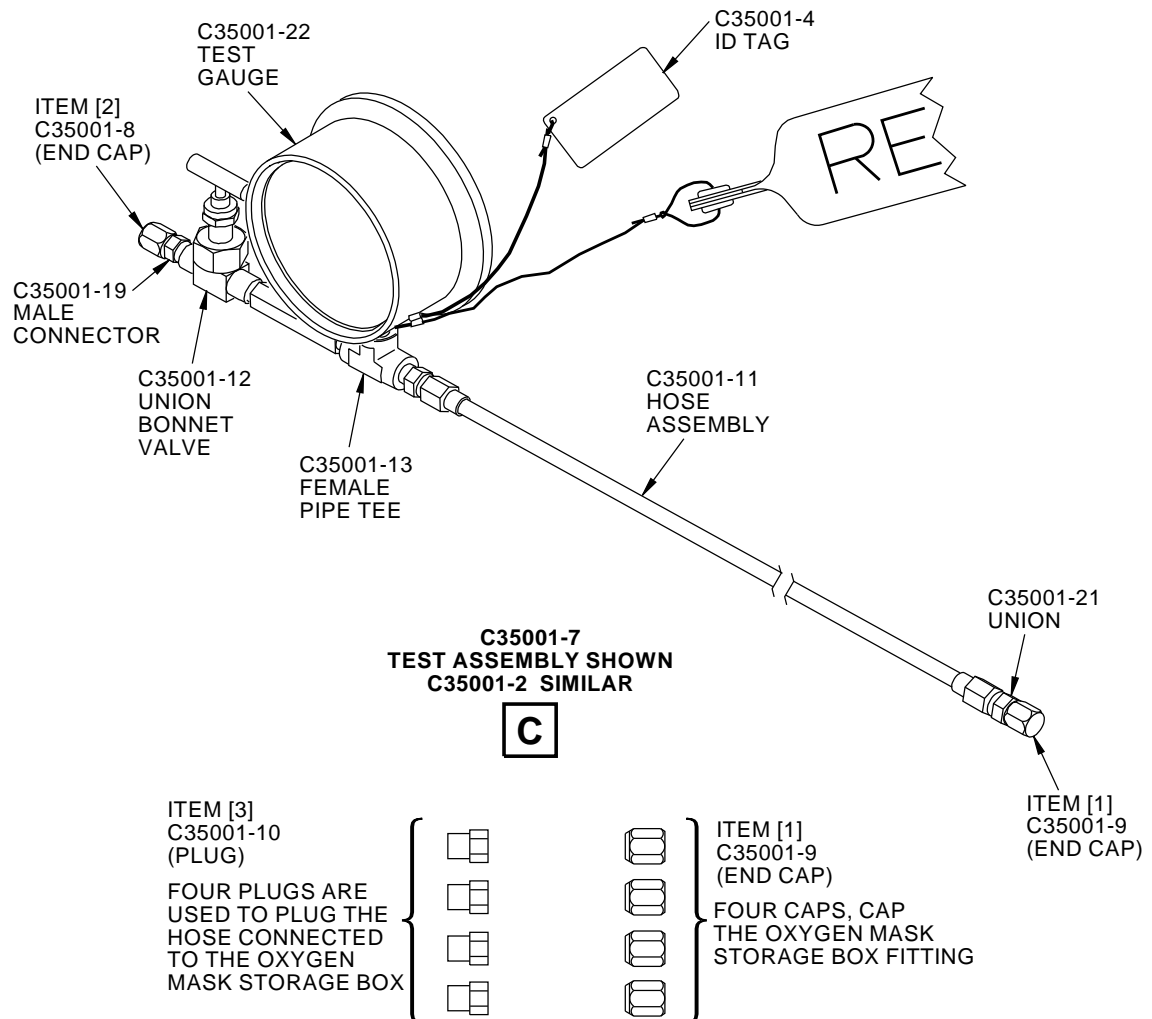
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**Leak Test Equipment Usage
Figure 2**

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**C35001-10 R-6
CREW OXYGEN SYSTEM PRESSURE LEAK TEST EQUIPMENT**

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**Leak Test Equipment Components
Figure 3**

35-10-01



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REPAIRABLE/REPLACEABLE PARTS			
ITEM NUMBER	PART NUMBER	NOMENCLATURE	VENDOR CODE
[1]	C35001-9	END CAP	30780
[2]	C35001-8	END CAP	30780
[3]	C35001-10	PLUG	30780

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PART NUMBER: C35002-1, -14

NAME: PRESSURE LEAK TEST EQUIPMENT - PASSENGER OXYGEN SYSTEM

AIRPLANE MAINTENANCE: YES
AMM 35-21-00

COMPONENT MAINTENANCE: NO

USAGE & DESCRIPTION: The C35002-1 or -14 (preferred) test equipment is used on 737-600 thru -900 airplanes equipped with the gaseous oxygen option installed.

C35002 test equipment is used to leak check the low pressure passenger gaseous oxygen system tubing.

Refer to the current C35002 tool drawing and AMM 35-21-00 for usage instructions.

C35002-1 and -14 consist of:

C35002-1		
QUANTITY	NOMENCLATURE	PART NUMBER
1	TEST ASSEMBLY	C35002-2
1	END CAP ASSEMBLY	C35002-3
1	STORAGE BOX	

C35002-14		
QUANTITY	NOMENCLATURE	PART NUMBER
1	TEST ASSEMBLY	C35002-15
1	END CAP ASSEMBLY	C35002-3
1	STORAGE BOX	

WEIGHT: C35002-1 or -14 - 3 lbs (1.4 kg)

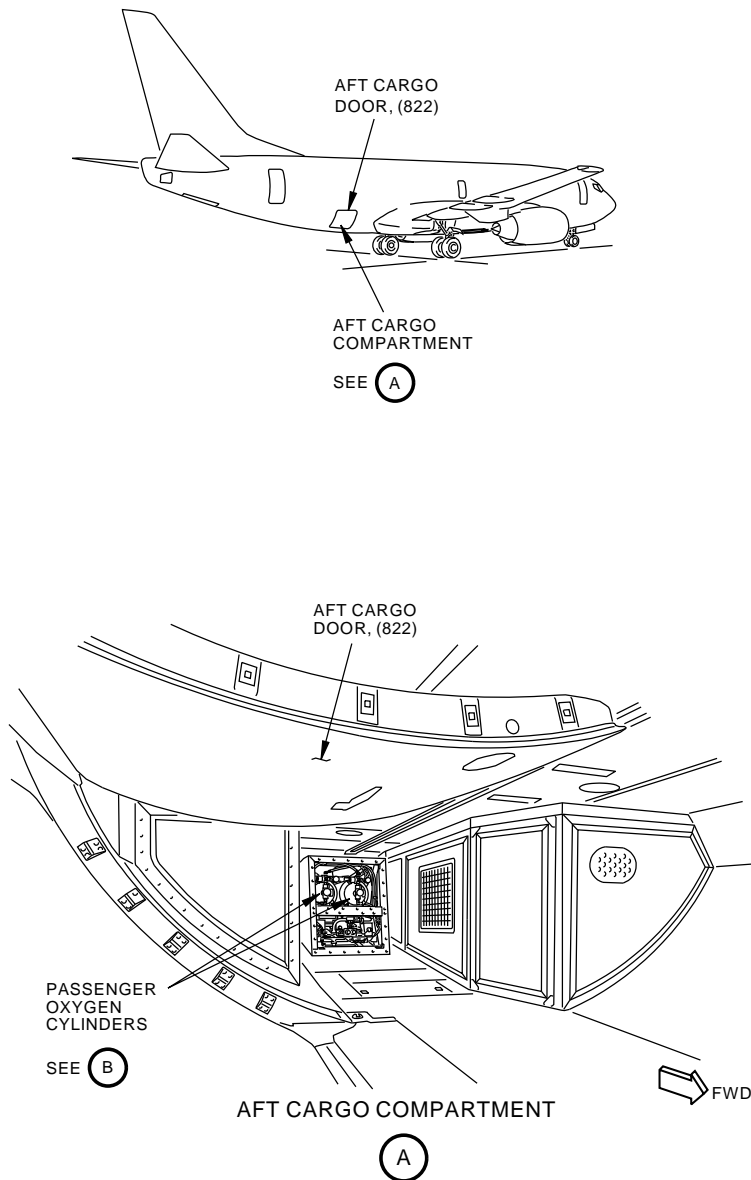
DIMENSIONS: C35002-1 or -14 - 5 x 8 x 15 inches (127 x 203 x 381 mm)

NOTE: C35002-14 replaces C35002-1 for future procurement.

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Location - Aft Cargo Compartment
Figure 1

35-10-02

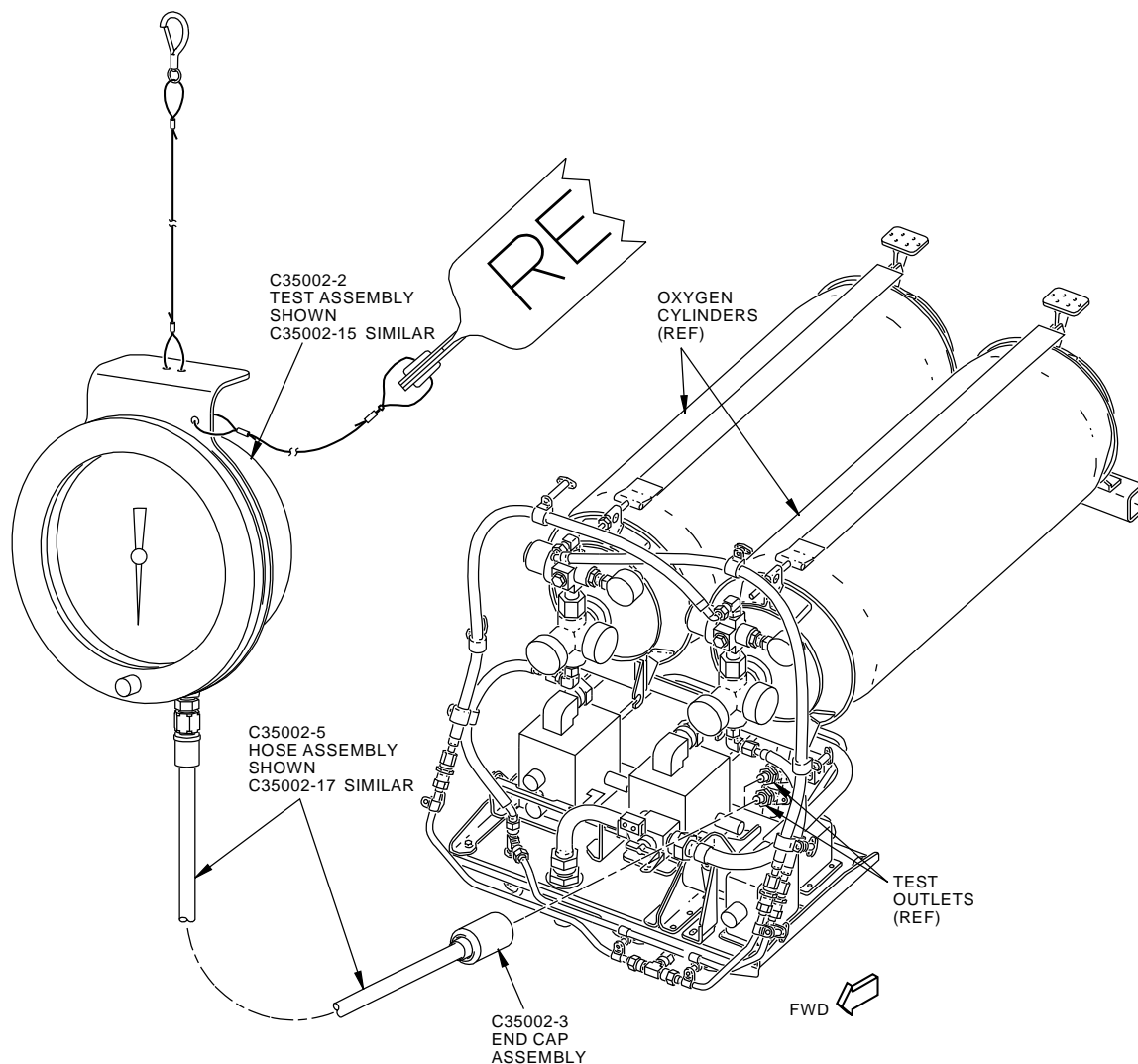
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Test Application
Figure 2

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PART NUMBER: A35001-13

NAME: RETRACTION EQUIPMENT - FIRING PIN, OXYGEN SYSTEM

AIRPLANE MAINTENANCE: YES

AMM 35-22-11

COMPONENT MAINTENANCE: YES

CMM 25-23-30, CMM 25-23-32, CMM 25-23-33, CMM 25-23-34, CMM 25-23-35, CMM 25-23-37, CMM 25-23-38, CMM 25-23-39, CMM 35-21-05, CMM 35-21-32, CMM 35-21-34

USAGE & DESCRIPTION: The A35001-13 oxygen system firing pin retraction equipment is used on 737-100 thru -900 airplanes.

A35001 is not used on airplanes equipped with Draeger Aerospace oxygen generators. A35001 is not used on British Aerospace oxygen generators that have incorporated Service Bulletin 117003-35-1 (use C35003). A35001 is used during maintenance operations to disarm/arm the oxygen system generator during removal and installation. Do not use A35001 on oxygen generators manufactured by Draeger Aerospace which uses Draegers own unique equipment.

Refer to AMM 35-22-11, CMM 25-23-30, CMM 25-23-32, CMM 25-23-33, CMM 25-23-34, CMM 25-23-35, CMM 25-23-37, CMM 25-23-38, CMM 25-23-39, CMM 35-21-05, CMM 35-21-32, CMM 35-21-34 and the current A35001 tool drawing for complete usage instructions.

A35001-13 consists of:

A35001-13		
QUANTITY	NOMENCLATURE	PART NUMBER
1	PLIERS ASSEMBLY	A35001-2
12	PIN ASSEMBLY	A35001-14
1	STORAGE BOX	

WEIGHT: 2 lbs (1 kg)

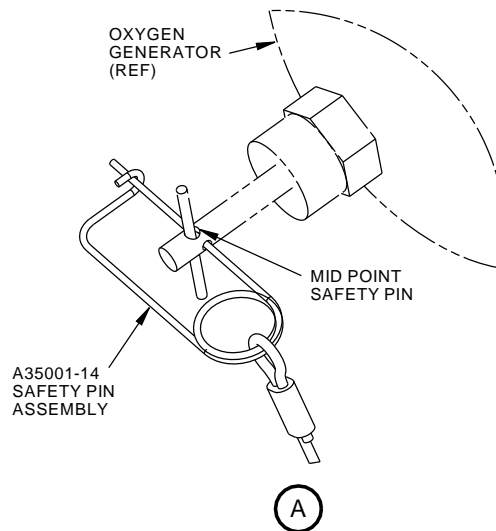
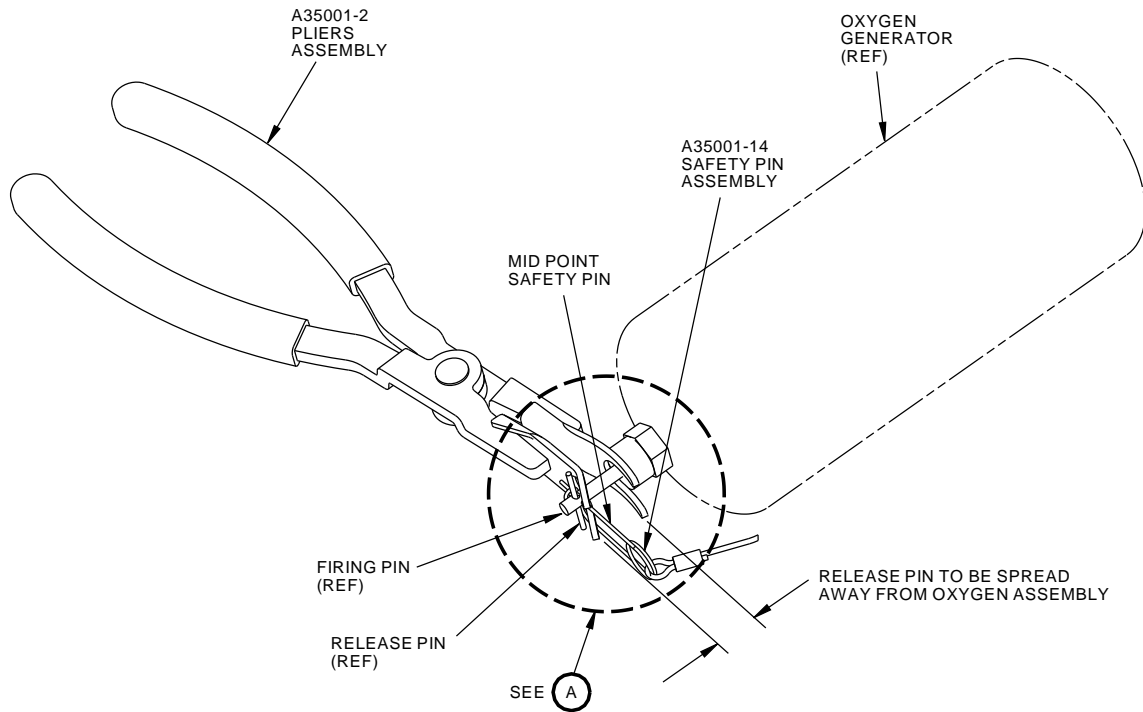
DIMENSIONS: 10 x 10 x 3 inches (254 x 254 x 76 mm)

NOTE: C35003 replaces A35001 for future procurement.
A35001-13 supersedes A35001-10.

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G77523 S0006831951_V3

Oxygen System Firing Pin Retraction Equipment
Figure 1

35-20-01

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PART NUMBER: C35003-10, -20

NAME: RETRACTION EQUIPMENT - FIRING PIN, OXYGEN SYSTEM

AIRPLANE MAINTENANCE: YES

AMM 35-22-11

COMPONENT MAINTENANCE: YES

CMM 25-23-30, CMM 25-23-32, CMM 25-23-33, CMM 25-23-34, CMM 25-23-35, CMM 25-23-37, CMM 25-23-38, CMM 35-21-34

USAGE & DESCRIPTION: The C35003-10 retraction equipment has limited usage on 737-100 thru -500 airplanes.

The C35003-10 retraction equipment is widely used on 737-600 thru -900 airplanes.

The C35003-20 retraction equipment is used on 737 airplanes equipped with the 417N3011 passenger service unit (PSU).

C35003-10 is used to arm/disarm the oxygen system generator during removal/installation. The C35003-2 pliers assembly is used to pull the firing pin back which allows the C35003-13 safety pin to be placed between the release pin and firing pin spring case. This prevents activation of the oxygen canister. C35003 is used for all oxygen generators from B/E Aerospace and Avox Systems/Scott Aviation.

The C35003-20 is used in conjunction with C35003-10 or with customer furnished drager pliers and C35003-11 on airplanes configured with the 417N3011 PSU.

Refer to AMM 35-22-11, CMM 25-23-30, CMM 25-23-32, CMM 25-23-33, CMM 25-23-34, CMM 25-23-35, CMM 25-23-37, CMM 25-23-38, CMM 35-21-34 and the current C35003 tool drawing for complete usage instructions.

C35003-10 and -20 consist of:

C35003-10		
QUANTITY	NOMENCLATURE	PART NUMBER
1	PLIERS ASSEMBLY	C35003-2
12	SAFETY PIN ASSEMBLY	C35003-11
1	STORAGE BOX	

C35003-20		
QUANTITY	NOMENCLATURE	PART NUMBER
4	RELEASE PIN ASSEMBLY	C35003-21
1	STORAGE BOX	

WEIGHT: C35003-10 - 2 lbs (1 kg)
C35003-20 - 1 lb (0.45 kg)

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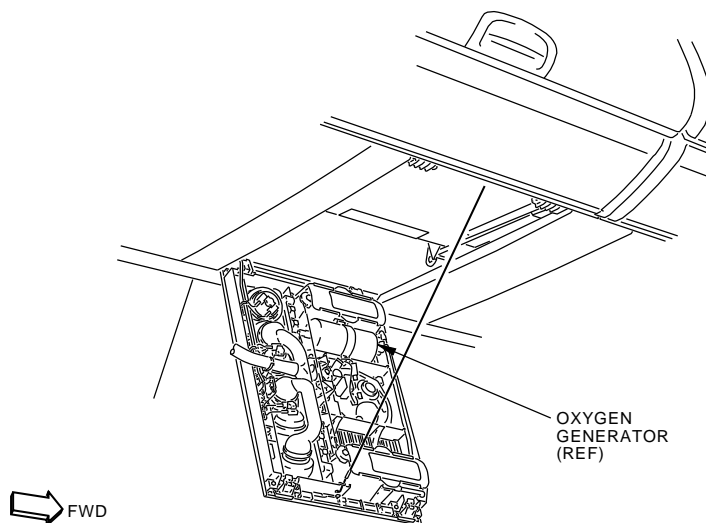
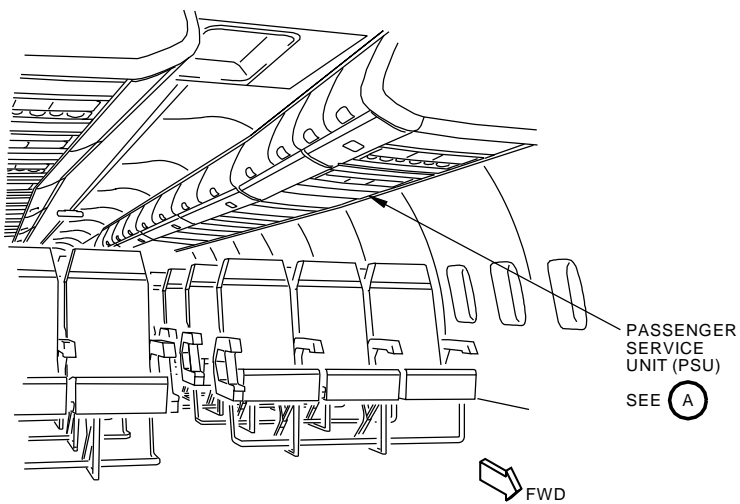
DIMENSIONS: C35003-10 - 10 x 10 x 3 inches (254 x 254 x 76 mm)
C35003-20 - 2 x 1 x 1 inches (51 x 25 x 25 mm)

NOTE: C35003 replaces A35001 for future procurement.
C35003-10 supersedes C35003-1.

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PASSENGER SERVICE UNIT
(EXAMPLE)

(A)

2038028 S0000408749_V1

Oxygen System Firing Pin Retraction Equipment and Location
Figure 1 (Sheet 1 of 3)

35-20-02

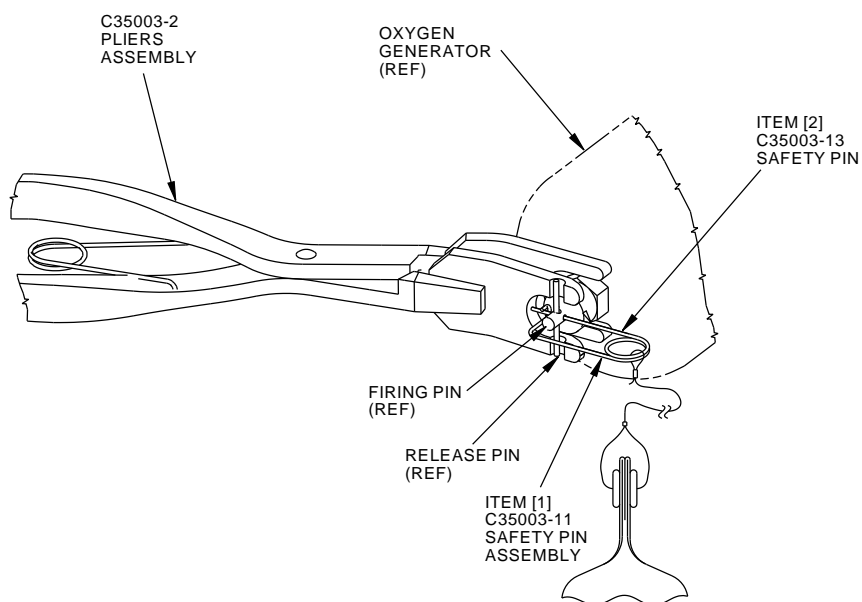
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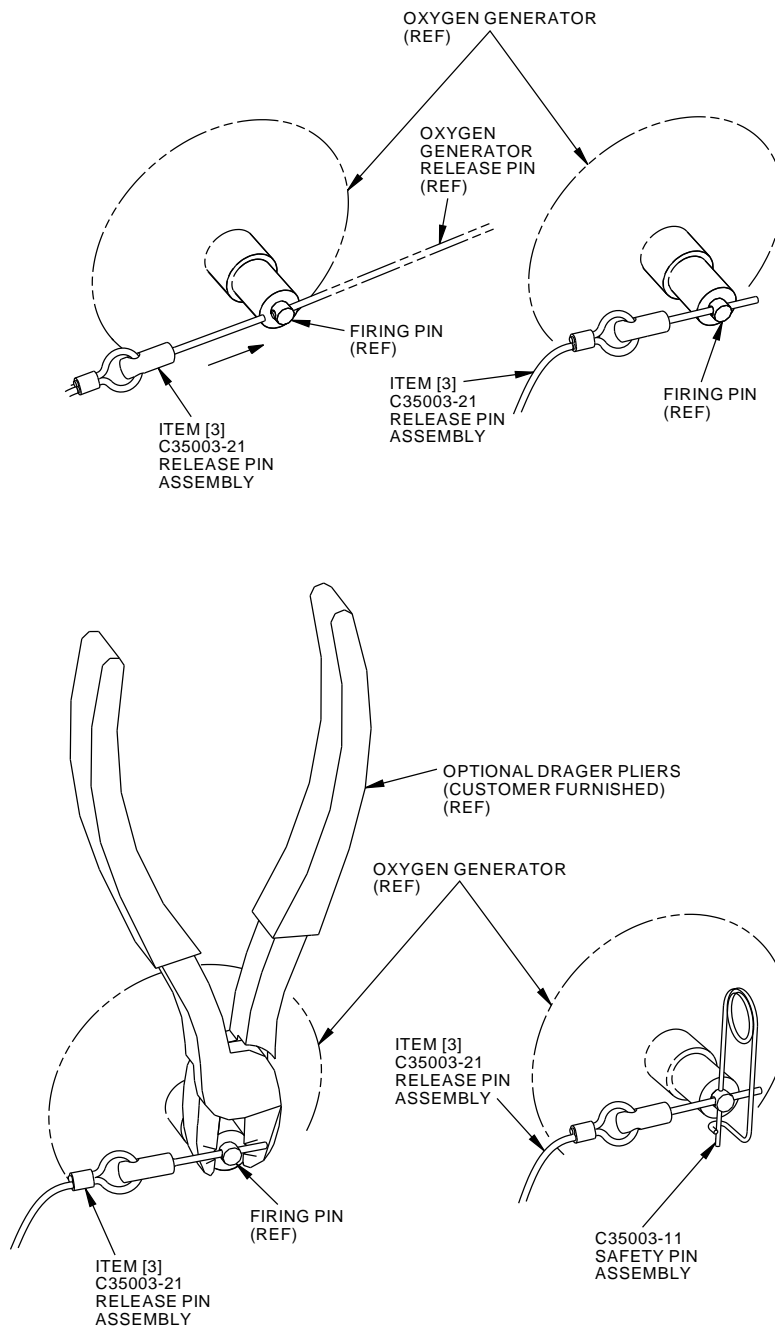
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Oxygen System Firing Pin Retraction Equipment and Location
Figure 1 (Sheet 2 of 3)

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Oxygen System Firing Pin Retraction Equipment and Location
Figure 1 (Sheet 3 of 3)

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REPAIRABLE/REPLACEABLE PARTS			
ITEM NO.	PART NO.	NOMENCLATURE	VENDOR CODE
[1]	C35003-11	SAFETY PIN ASSEMBLY	----
[2]	C35003-13	SAFETY PIN	----
[3]	C35003-21	RELEASE PIN ASSEMBLY	----

35-20-02