

**CHAPTER**

**12**

**SERVICING**



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

**CHAPTER 12**  
**SERVICING**

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**CHAPTER 12**  
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12-10-03	DRAIN HOSE - SURGE TANK SUMP	C12002-7
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**PART NUMBER: F70200-1, -17, -18**

**NAME:** INFLATION TOOL - STRUT

**AIRPLANE MAINTENANCE:** YES

AMM 12-15-31, AMM 12-15-41, AMM 32-11-00, AMM 32-21-00

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The F70200-1 (option), -17 (option) or -18 (preferred) strut inflation tool are used on all 737 airplanes.

F70200 is used with a pressurized source of dry air or nitrogen to inflate landing gear struts. An air chuck attaches to the air inlet fitting at the top of the strut, with the opposite end attaching to a dry air source. F70200-1 includes a fragile, analog pressure gauge. F70200-17 and -18 both include a robust, digital pressure gauges.

Refer to AMM 12-15-31, AMM 12-15-41, AMM 32-11-00, AMM 32-21-00 and the current F70200 too drawing, AMM 12-15-31, AMM 12-15-41, AMM 32-11-00 and AMM 32-21-00 for complete usage instructions.

F70200-1, 17 and -18 consist of:

F70200-1		
QUANTITY	NOMENCLATURE	PART NUMBER
1	0-5000 PSIG GAUGE	F70200-2
1	CHECK VALVE	F70200-3
1	NEEDLE VALVE	F70200-4
1	HOSE ASSEMBLY	F70200-5
1	AIR CHUCK	F70200-6
1	TEE	F70200-7
2	NIPPLE	F70200-8
1	CONNECTOR	F70200-9
1	CONNECTOR	F70200-10
1	REDUCER	F70200-11
1	MARKER	F70200-16

F70200-17		
QUANTITY	NOMENCLATURE	PART NUMBER
1	INFLATION TOOL ASSEMBLY	F70200-19
1	STORAGE BOX	

F70200-18		
QUANTITY	NOMENCLATURE	PART NUMBER
1	INFLATION TOOL ASSEMBLY	F70200-20
1	STORAGE BOX	

**12-10-01**



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**WEIGHT:** 5 lbs (2 kg)

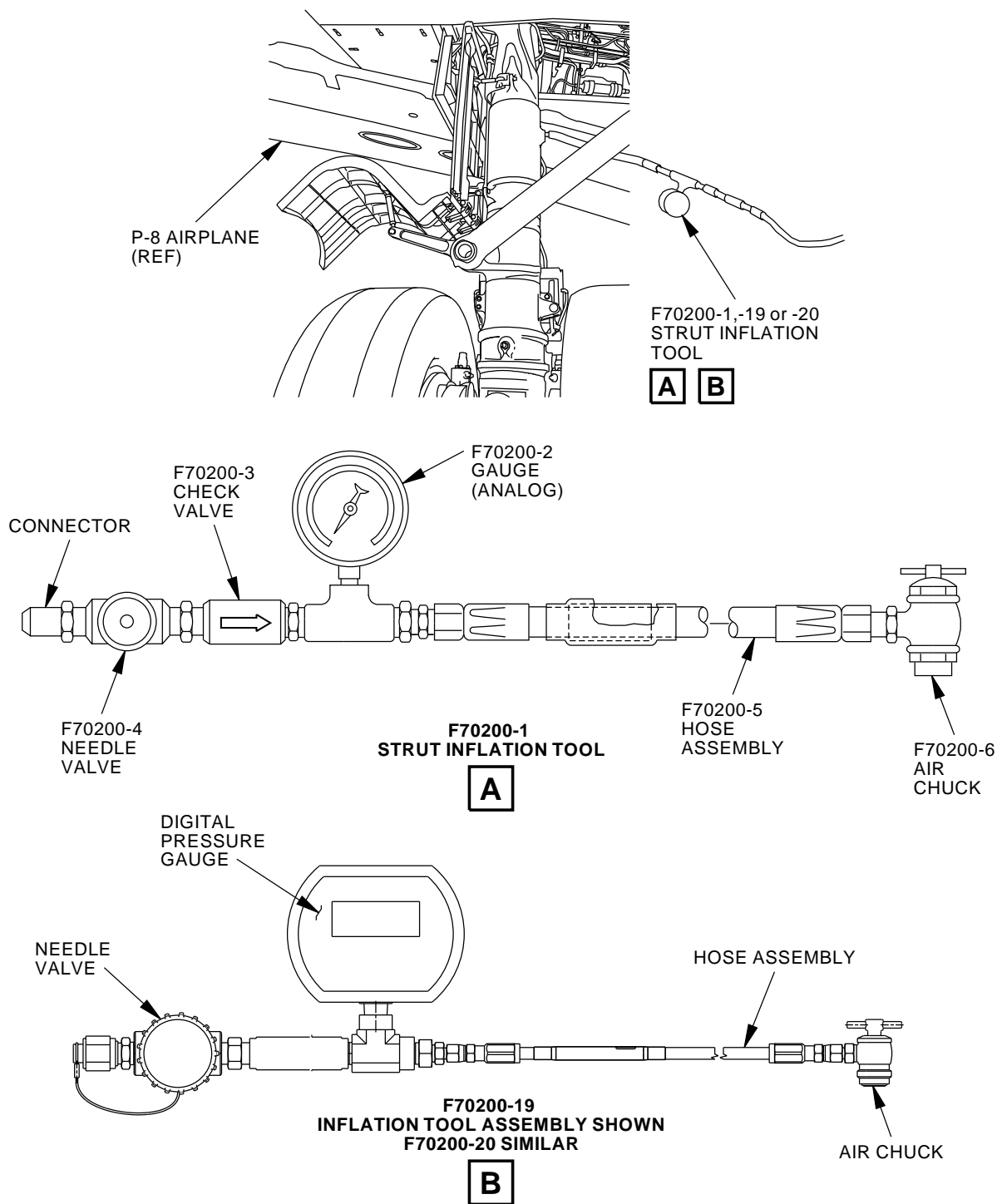
**DIMENSIONS:** 5 x 10 x 15 inches (127 x 254 x 381 mm)

**NOTE:** F70200-17 replaces F70200-1 for future procurement.  
F70200-18 replaces F70200-17 and F70200-1 for future procurement.

**12-10-01**



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G79038 S0006831365\_V3

Strut Inflation Tool  
Figure 1

12-10-01



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**PART NUMBER: F70199-1, -24, -25, -52**

**NAME:** INFLATION TOOL - TIRE

**AIRPLANE MAINTENANCE:** YES

AMM 12-15-51

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The F70199-1 or F70199-24 tire inflation tool are both options for use on 737-100 and -200 airplanes.

The F70199-52 (preferred over F70199-1 or -24) tire inflation tool is used on all 737 airplanes.

The F70199-25 inflation gauge is used on all 737 airplanes.

F70199-25 (preferred for all 737 airplanes) tire pressure gauge is used to measure tire pressure.

F70199-25 includes attached air chucks for both large [Tire & Rim Association (T & RA), core C-2) 0.482-26 threads] and small [T & RA, core C-4 (0.302-32 threads)] bore tire valve stems. F70199-25 includes a robust digital tire inflation gauge [(0 - 300 psig (0 - 2068 KPa) tire pressure gauge] to check tire pressure.

F70199-52 (preferred for all 737 airplanes) is used to inflate landing gear tires to a specified pressure. The F70199-52 inflation tool is used with gaseous nitrogen, and the included 0 - 300 psig (0 - 2068 KPa) tire pressure gauge.

F70199-52 inflation tool includes attached air chucks for both large [Tire & Rim Association (T & RA), core C-2) 0.482-26 threads] and small [T & RA, core C-4 (0.302-32 threads)] bore tire valve stems. F70199-52 includes a robust digital tire inflation gauge [(0 - 300 psig (0 - 2068 KPa) tire pressure gauge] and two, certified, 300 psi air chucks for both large and small bore tire valve stems and two, 200 psi air chucks for both large and small bore tire valve stems.

Refer to AMM 12-15-51 and the current F70199 drawing for complete usage instructions.

F70199-1, -24, -52 and -25 consist of:

F70199-1		
QUANTITY	NOMENCLATURE	PART NUMBER
1	GAUGE	F70199-2
1	NEEDLE VALVE	F70199-16
1	HOSE ASSEMBLY	F70199-5
1	AIR CHUCK	F70199-6
1	RELIEF VALVE	F70199-21

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F70199-24		
QUANTITY	NOMENCLATURE	PART NUMBER
1	INFLATION TOOL ASSEMBLY	F70199-26
1	STORAGE BOX	

F70199-52		
QUANTITY	NOMENCLATURE	PART NUMBER
1	INFLATION TOOL ASSEMBLY	F70199-53
1	STORAGE CASE	

F70199-25		
QUANTITY	NOMENCLATURE	PART NUMBER
1	PRESSURE GAUGE ASSEMBLY	F70199-27
1	STORAGE BOX	

**WEIGHT:** F70199-1 or -24 - 10 lbs (4.5 kg)  
F70199-25 - 5 lbs (2.3 kg)  
F70199-52 - 24 lbs (11 kg)

**DIMENSIONS:** F70199-1 or -24 - 2 x 7 x 25 inches (51 x 178 x 635 mm)  
F70199-25 - 2 x 4 x 12 inches (51 x 102 x 305 mm)  
F70199-52 - 24 x 20 x 9 inches (610 x 508 x 229 mm)

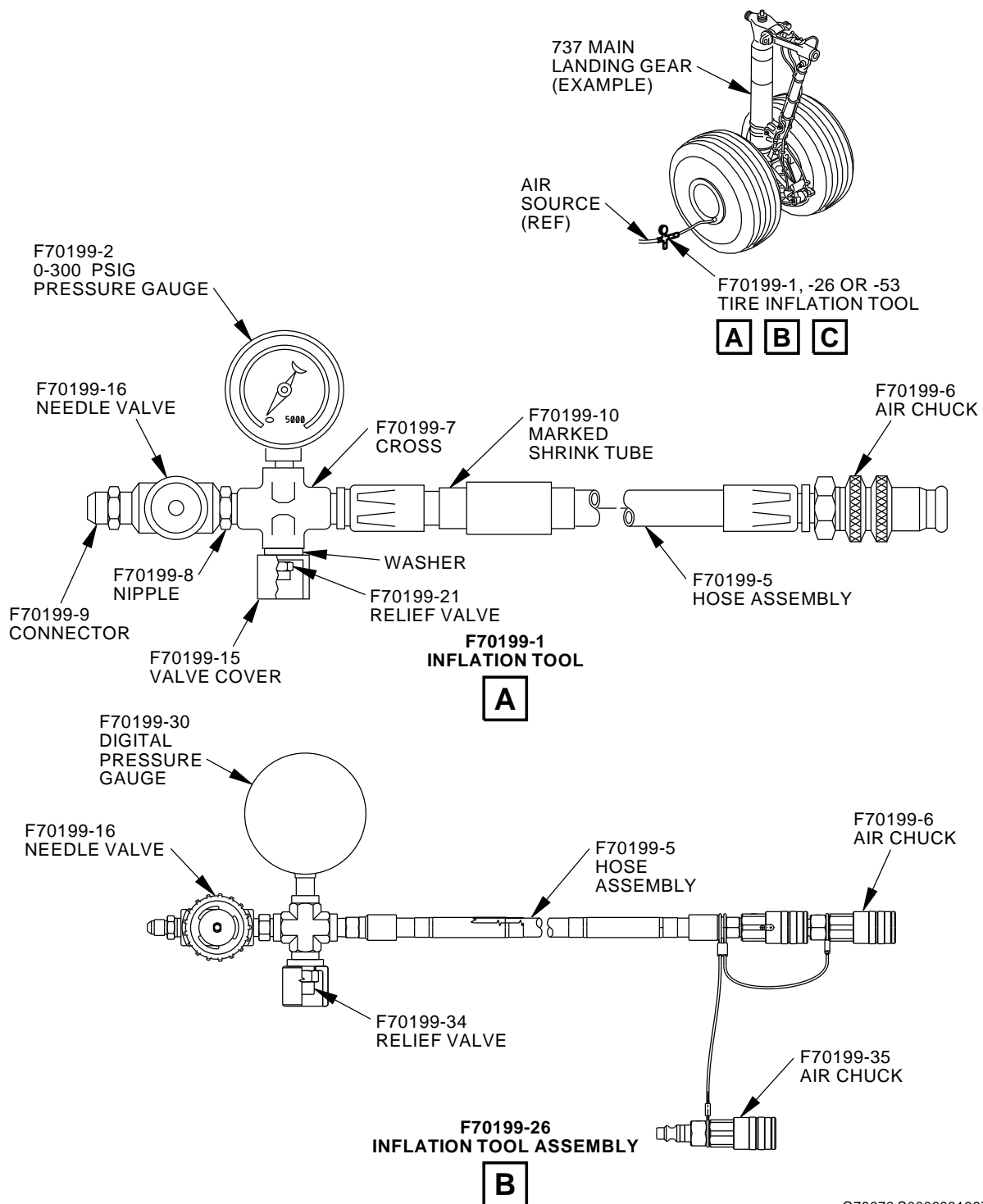
**NOTE:** F70199-52 supersedes F70199-43.  
F70199-52 replaces F70199-1 and -24 for future procurement for 737-100 and -200.  
F70199-24 replaces F70199-1 for future procurement for 737-100 and -200.

**12-10-02**





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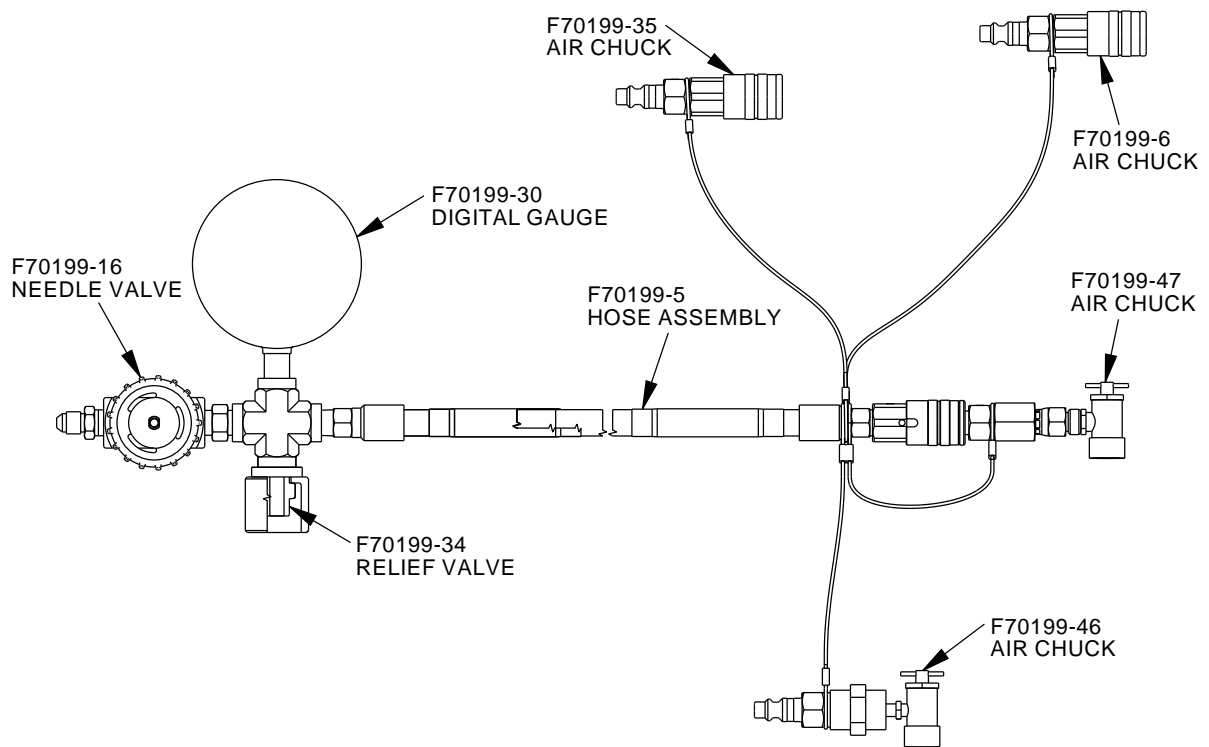
G79672 S0006831367\_V5

Tire Inflation Tool  
Figure 1 (Sheet 1 of 2)

12-10-02

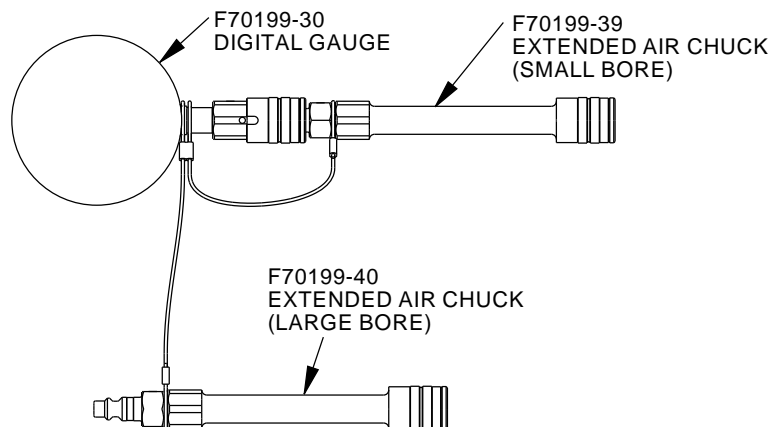


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**F70199-53**  
**INFLATION TOOL ASSEMBLY**

**C**



**F70199-27**  
**PRESSURE GAUGE ASSEMBLY**

2038073 S0000408943\_V4

**Tire Inflation Tool**  
**Figure 1 (Sheet 2 of 2)**

**12-10-02**

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**737-600/700/800/900**  
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**PART NUMBER: C12002-7**

**NAME:** DRAIN HOSE - SURGE TANK SUMP

**AIRPLANE MAINTENANCE:** YES

AMM 28-26-00

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The C12002-7 surge tank sump drain hose is used on all 737 airplanes. C12002 is used to drain small quantities of fuel from the surge tanks on all 737 airplanes. C12002 is also used to drain small quantities of fuel from 737-100 and -200 main tanks.

Refer to AMM 28-26-00 and the current C12002 drawing for complete usage instructions.

C12002-7 consists of:

C12002-7		
QUANTITY	NOMENCLATURE	PART NUMBER
1	DRAIN HOSE ASSEMBLY	C12002-8
1	STORAGE BOX	

**WEIGHT:** 5 lbs (2.3 kg)

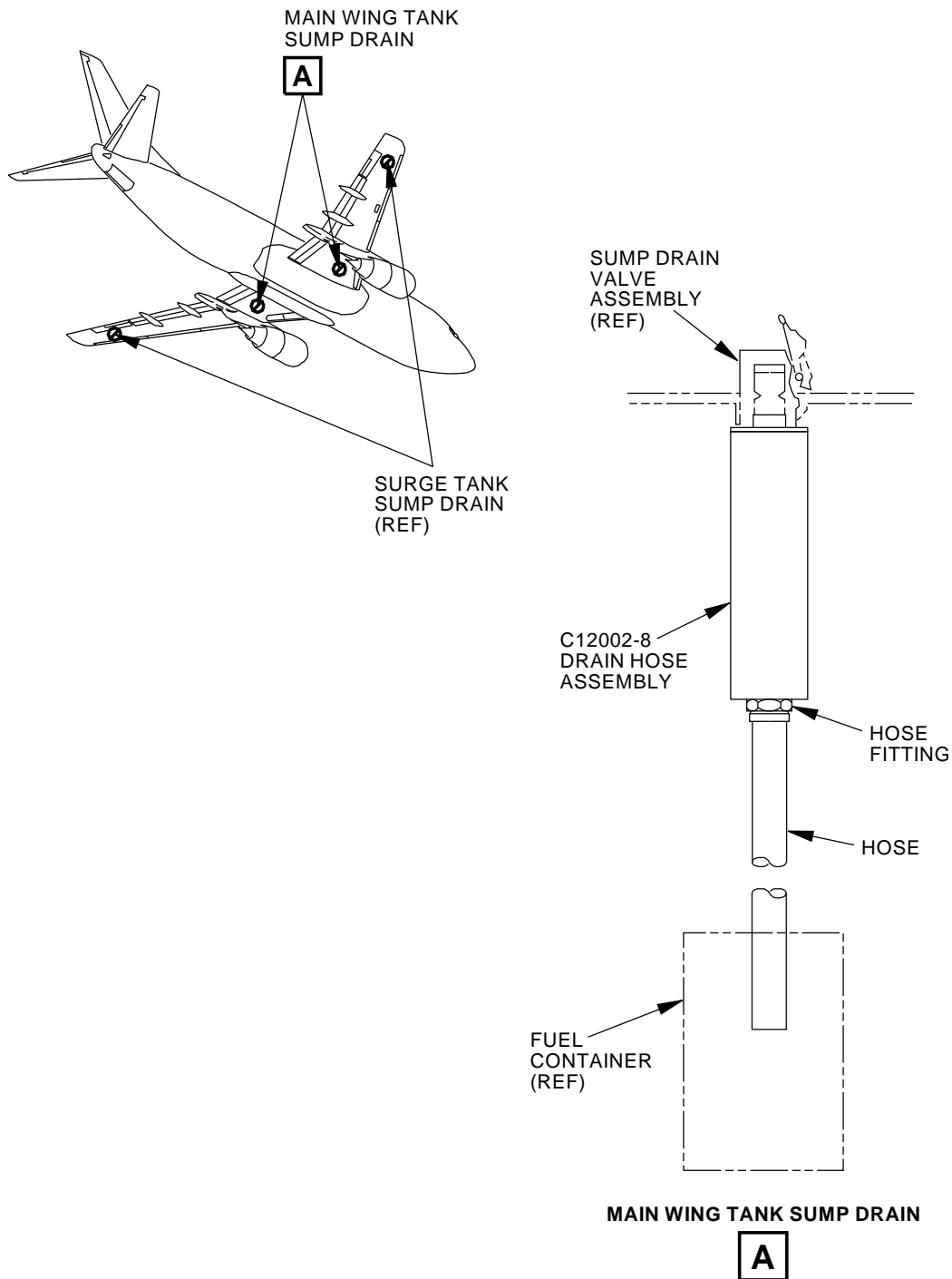
**DIMENSIONS:** 12 x 12 x 12 inches (305 x 305 x 305 mm)

**NOTE:** C12002-7 supersedes C12002-1.

**12-10-03**



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G79524 S0006831369\_V3

Surge Tank Sump Drain Hose  
Figure 1

12-10-03



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

**PART NUMBER: F72942-1**

**NAME:** LUBRICATION SET - ENTRY, CARGO, SERVICE AND GALLEY DOOR  
CAMSHAFT BEARINGS

**AIRPLANE MAINTENANCE:** YES

AMM 12-25-11, AMM 12-25-21, AMM 12-25-31, AMM 12-25-41

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** F72942-1 lubrication set is used on all 737 airplanes.

F72942 is used in conjunction with a customer-furnished grease gun. F72942 is used to lubricate the Zerk fittings on the entry, cargo, service and galley doors. F72942 consists of three different sized adapter extensions and a needle nose adapter. The needle nose adapter attaches to the gun and the extensions inserts into the adapter.

Refer to AMM 12-25-11, AMM 12-25-21, AMM 12-25-31, AMM 12-25-41 and the current F72942 drawing.

F72942-1 consists of:

F72942-1		
QUANTITY	NOMENCLATURE	PART NUMBER
1	LUBRICATION ADAPTER ASSEMBLY	F72942-2
1	LUBRICATION ADAPTER ASSEMBLY	F72942-3
1	LUBRICATION ADAPTER ASSEMBLY	F72942-4
1	NEEDLE NOSE ADAPTER	B-6783
1	STORAGE BOX	

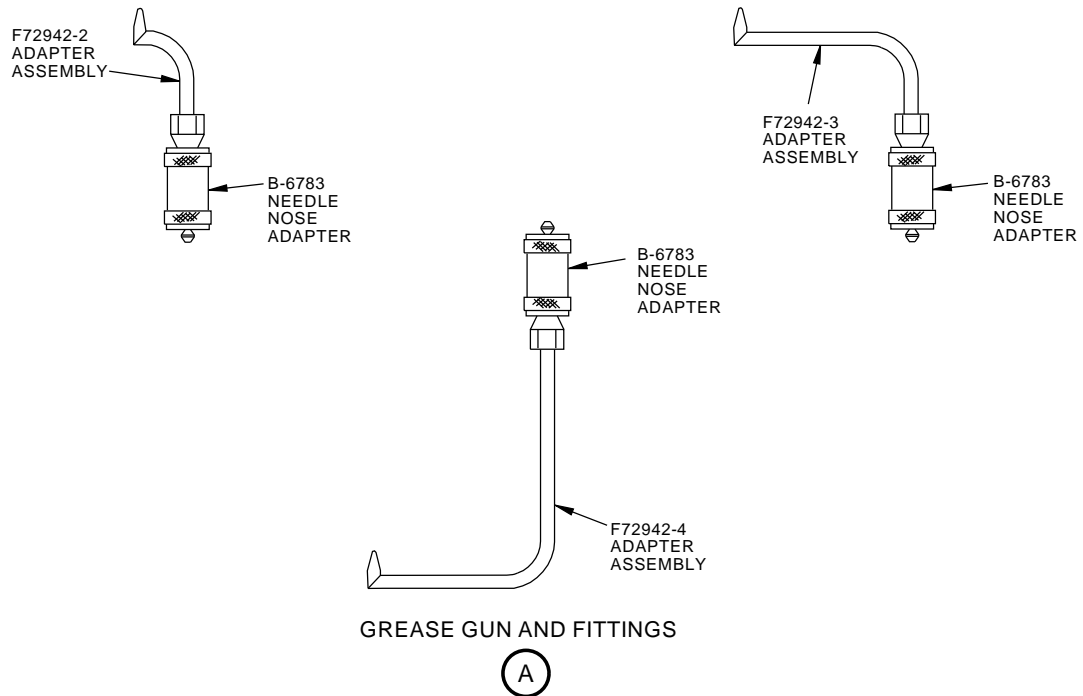
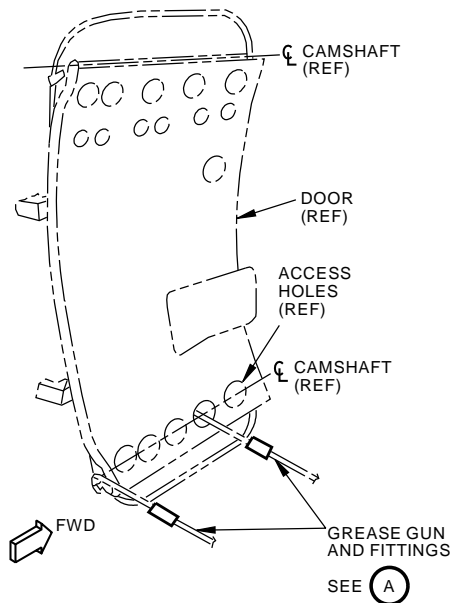
**WEIGHT:** 2 lbs (0.9 kg)

**DIMENSIONS:** 5 x 4 x 1 inches (127 x 102 x 25 mm)

**12-10-04**



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G85671 S0006831371\_V3

Entry, Cargo, Service and Galley Door Camshaft Bearings Lubrication Set  
Figure 1

12-10-04



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**PART NUMBER: F80201-1**

**NAME:** DRAIN TOOL - FUEL SUMP

**AIRPLANE MAINTENANCE:** YES

AMM 12-11-00

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The F80201-1 drain tool is used on all 737 airplanes.

F80201 is used by inserting the screwdriver/tube into the airplane's drain assembly and engaging the slot in the sump drain valve. Rotating the slot with upward pressure allows fuel to drain through the tube into the beaker.

Refer to AMM 12-11-00 and the current F80201 drawing for complete usage instructions.

F80201-1 consists of a 2500 milliliter polyethylene beaker with a slot-type, screwdriver point attached to a 0.5 inch (outside diameter) tube.

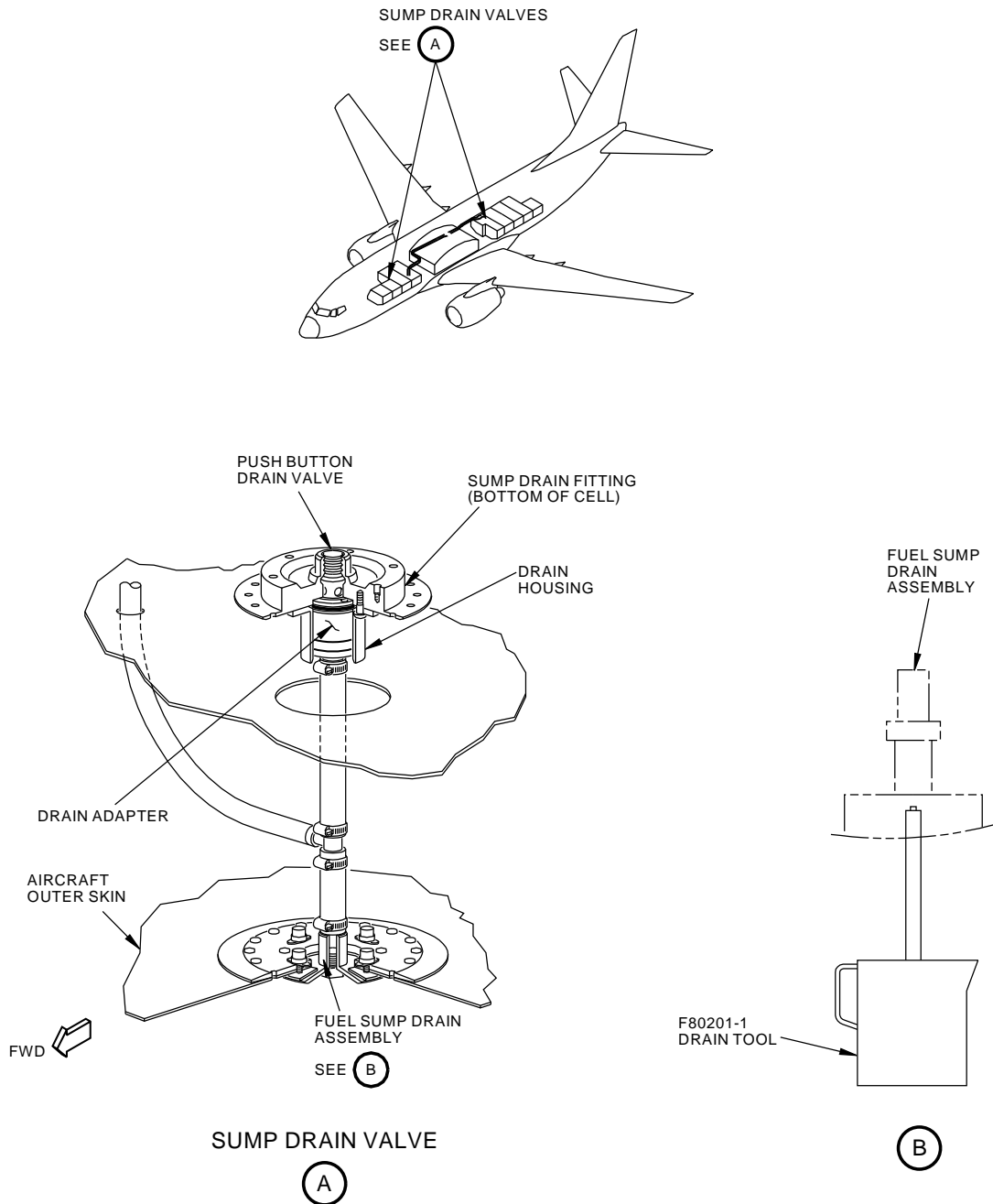
**WEIGHT:** 1 lb (0.45 kg)

**DIMENSIONS:** 20 x 6 x 6 inches (508 x 153 x 153 mm)

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K94988 S0006831373\_V2

Fuel Sump Drain Tool Usage  
Figure 1

12-10-05

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**PART NUMBER: A32066-1**

**NAME:** DRAIN EQUIPMENT - SHOCK STRUT, MAIN LANDING GEAR/NOSE LANDING GEAR

**AIRPLANE MAINTENANCE:** YES

AMM 12-15-31, AMM 12-15-41, AMM 32-11-21, AMM 32-21-11, AMM 32-21-24

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The A32066-1 main landing gear and nose landing gear shock strut drain equipment is used on all 737 airplanes except 737-100 thru -500 airplanes.

A32066 drain equipment is applied to the oil fill valve of the main or nose landing gear. The A32066 is used to drain the oil from the main or nose landing gearing struts.

Refer to AMM 12-15-31, AMM 12-15-41, AMM 32-11-21, AMM 32-21-11, AMM 32-21-24 and the current A32066 drawing for complete usage instructions.

A32066-1 consists of:

A32066-1		
QUANTITY	NOMENCLATURE	PART NUMBER
1	ROD	A32066-2
1	CAP	A32066-3
1	SELF LOCKING NUT	MS21044N04
1	WARNING STREAMER	NAS1756-12
1	GRAB RING	4GR
1	TUBING	NN-4-040
1	NUT & SPACER SET	P4NS
1	SWIVEL NUT RUN TEE	4-R6U-S
1	LANYARD	CL-41-KA-8.0

**WEIGHT:** 1 lb (0.45 kg)

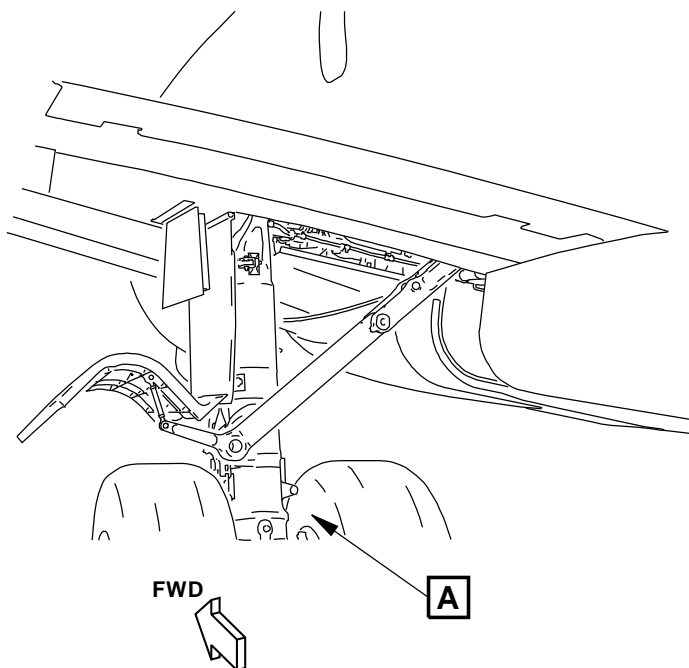
**DIMENSIONS:** 4 x 3.5 x 3.5 inches (102 x 89 x 89 mm)

**NOTE:** J32060 replaces A32066 for future procurement.

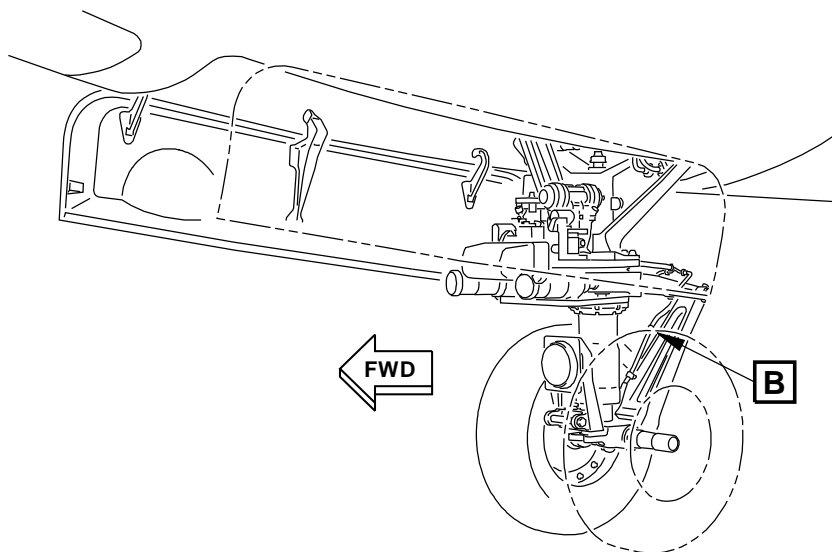
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737-700 MAIN LANDING GEAR  
(EXAMPLE)



737-700 NOSE LANDING GEAR  
(EXAMPLE)

L40536 S0006831375\_V3

Landing Gear Drain Equipment  
Figure 1

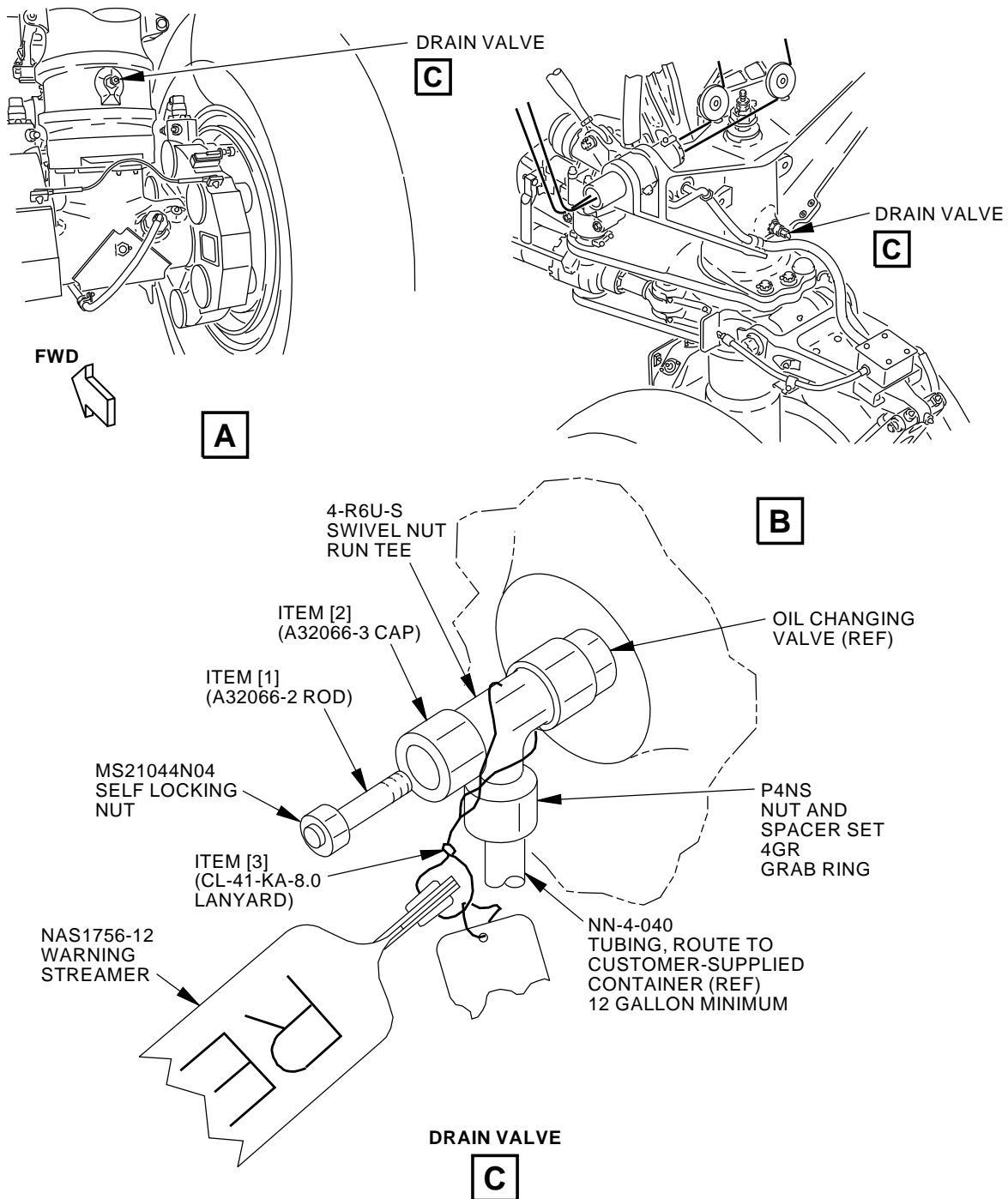
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**Drain Equipment Components  
Figure 2**

**12-10-06**



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REPAIRABLE/REPLACEABLE PARTS			
ITEM NUMBER	PART NUMBER	NOMENCLATURE	VENDOR CODE
[1]	A32066-2	ROD	---
[2]	A32066-3	CAP	30780
[3]	CL-41-KA-8.0	LANYARD	99862

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**PART NUMBER: J32060-1**

**NAME:** DRAIN EQUIPMENT - OLEO STRUT, MAIN LANDING GEAR/NOSE LANDING GEAR

**AIRPLANE MAINTENANCE:** YES

AMM 12-15-31, AMM 12-15-41, AMM 32-11-21, AMM 32-21-11, AMM 32-21-24

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The J32060-1 main landing gear and nose landing gear oleo strut drain equipment is used on all 737-600 thru -900 airplanes.

J32060 is applied to the oil fill valve of the main or nose landing gear. The J32060 is used to drain the oil from the main or nose landing gear struts. J32060 is used only on landing gear that have been completely depressurized.

Refer to the current J32060 tool drawing, AMM 12-15-31, AMM 12-15-41, AMM 32-11-21, AMM 32-21-11 and AMM 32-21-24 for complete usage instructions.

J32060-1 consists of:

J32060-1		
QUANTITY	NOMENCLATURE	PART NUMBER
1	DRAIN ASSEMBLY	J32060-2
1	STORAGE BOX	

**WEIGHT:** 1 lb (0.45 kg)

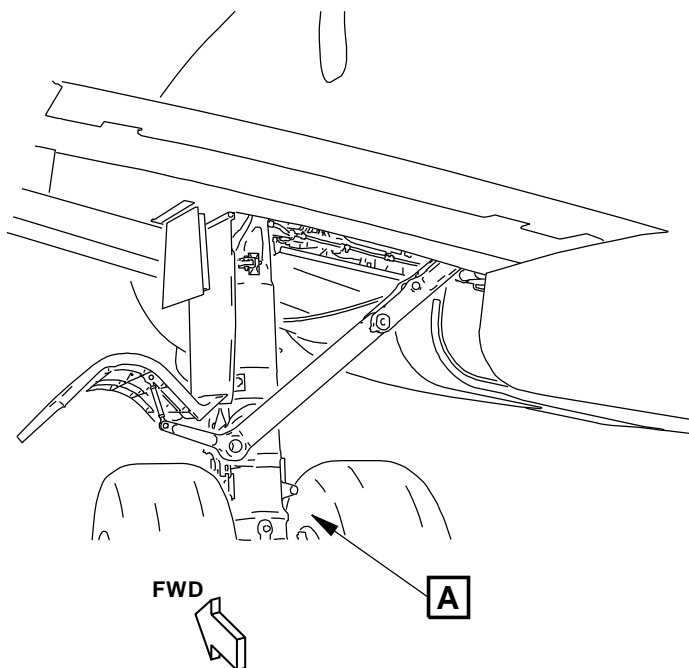
**DIMENSIONS:** 12 x 12 x 3 inches (305 x 305 x 76 mm)

**NOTE:** J32060 replaces A32066 for future procurement.

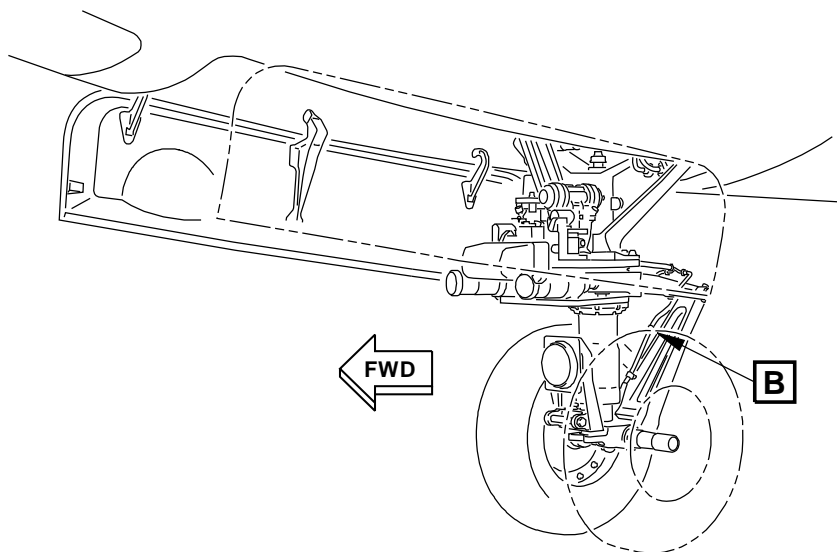
**12-10-07**



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**737-700 MAIN LANDING GEAR  
(EXAMPLE)**



**737-700 NOSE LANDING GEAR  
(EXAMPLE)**

L40536 S0006831375\_V3

**Drain Equipment Location  
Figure 1**

**12-10-07**

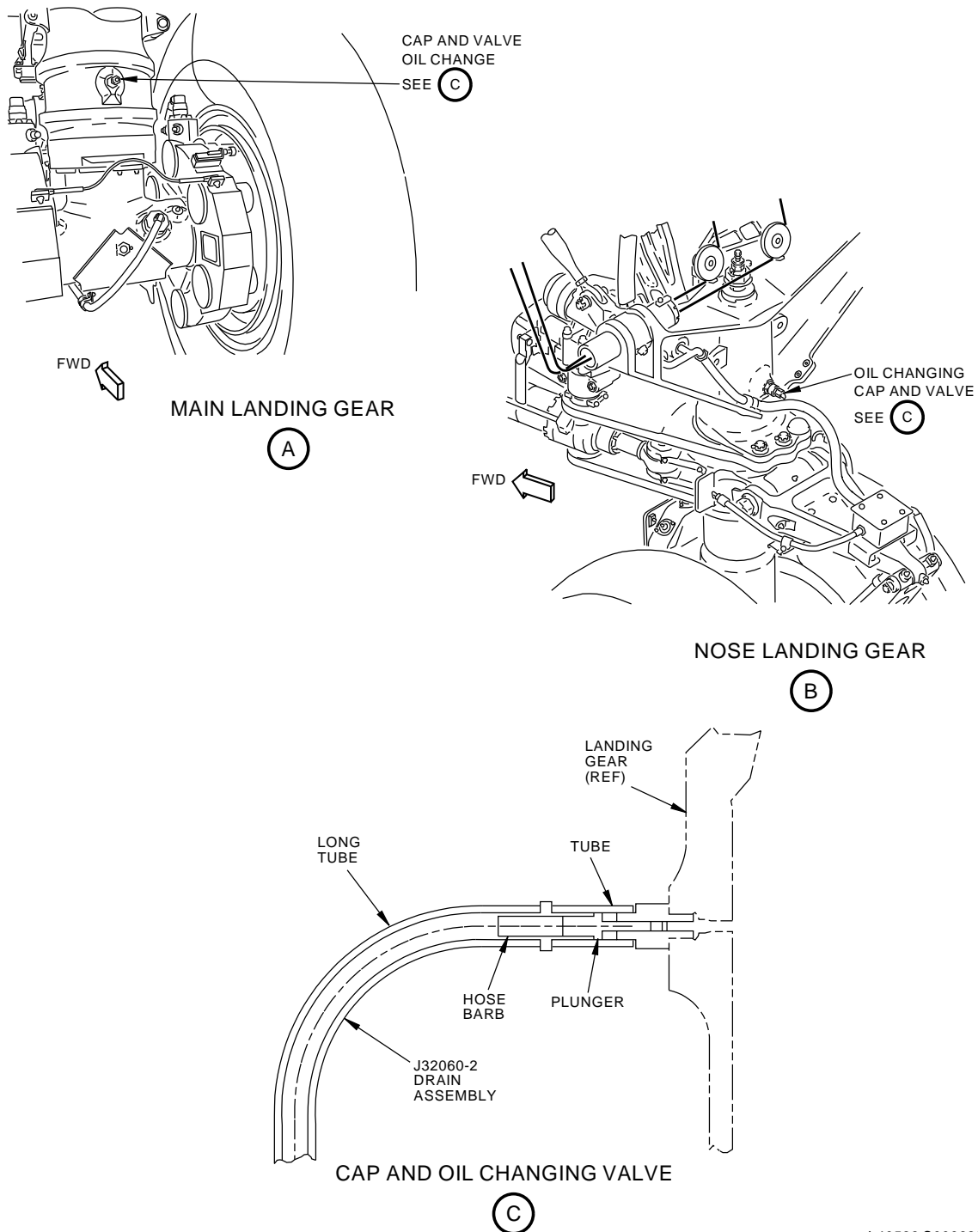
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Drain Equipment Location and Components  
Figure 2

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