

**CHAPTER**

**32**

**LANDING GEAR**



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ILLUSTRATED TOOL AND EQUIPMENT MANUAL

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LANDING GEAR

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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32001-1, -4**

**NAME:** DOWNLOCK - MAIN LANDING GEAR (MLG) AND NOSE LANDING GEAR (NLG)

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

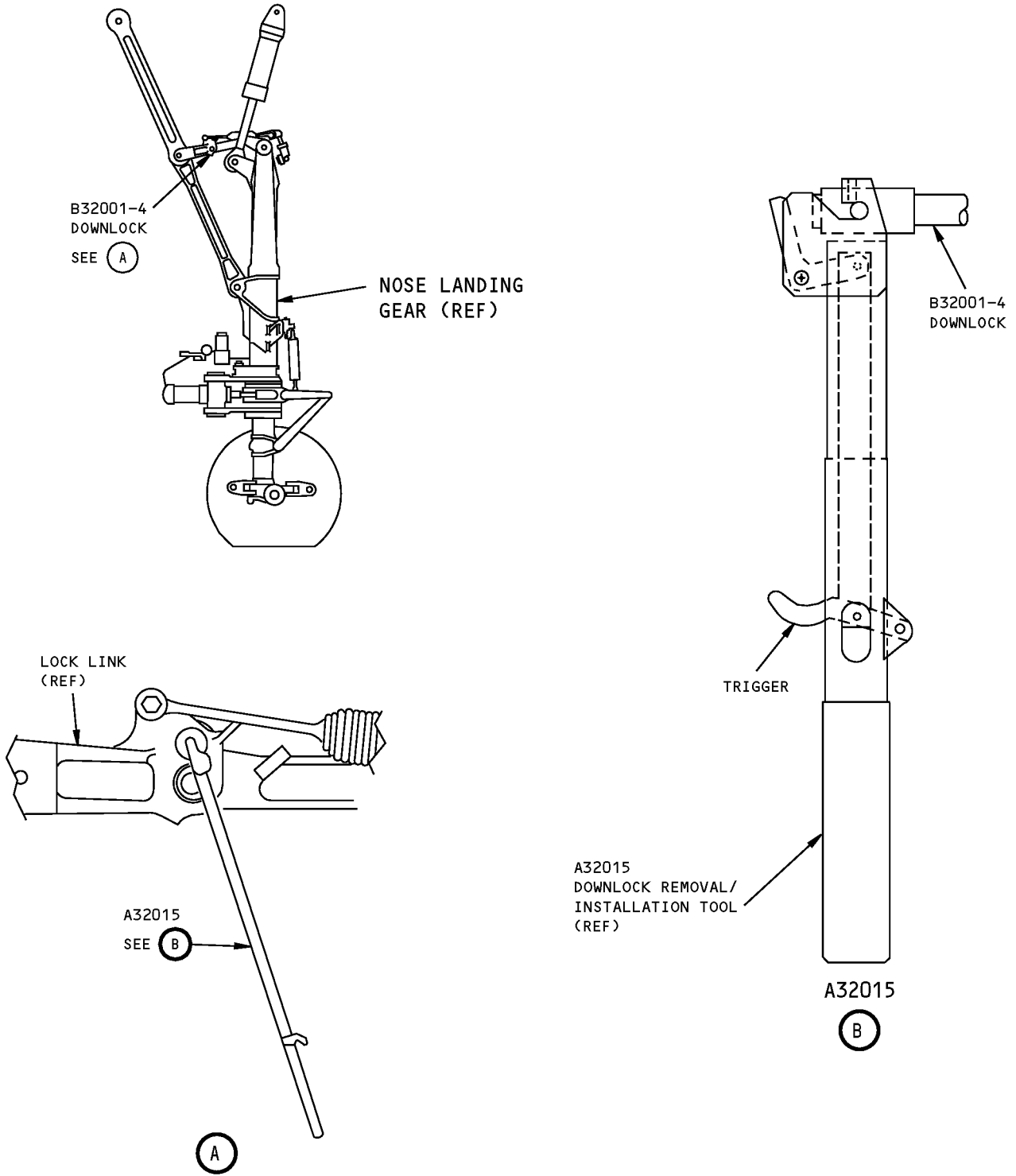
**USAGE & DESCRIPTION:** The B32001-1 or -4 (preferred) downlocks are used on all 757 airplanes. B32001 is a ball lock pin that is inserted into both the main and nose landing gear to prevent accidental retraction during ground operations. Three B32001-4 downlocks are required per airplane. B32001-4 is used with A32015 downlock removal and installation tool, due to the height of the landing gear. Three B32001-4 are found in the airplane's Flyaway (dispatch) Kit. Refer to AMM 32-00-20, AMM 32-12-00, AMM 32-21-06 and 34-46-00 for complete usage instructions.

<b>B32001-4</b>		
<b>QUANTITY</b>	<b>NOMENCLATURE</b>	<b>PART NUMBER</b>
1	SPACER	B32001-2
2	SPLIT RING	B32001-3
1	WARNING STREAMER	NAS1756-36
1	BALL LOCK PIN	S3923-2

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

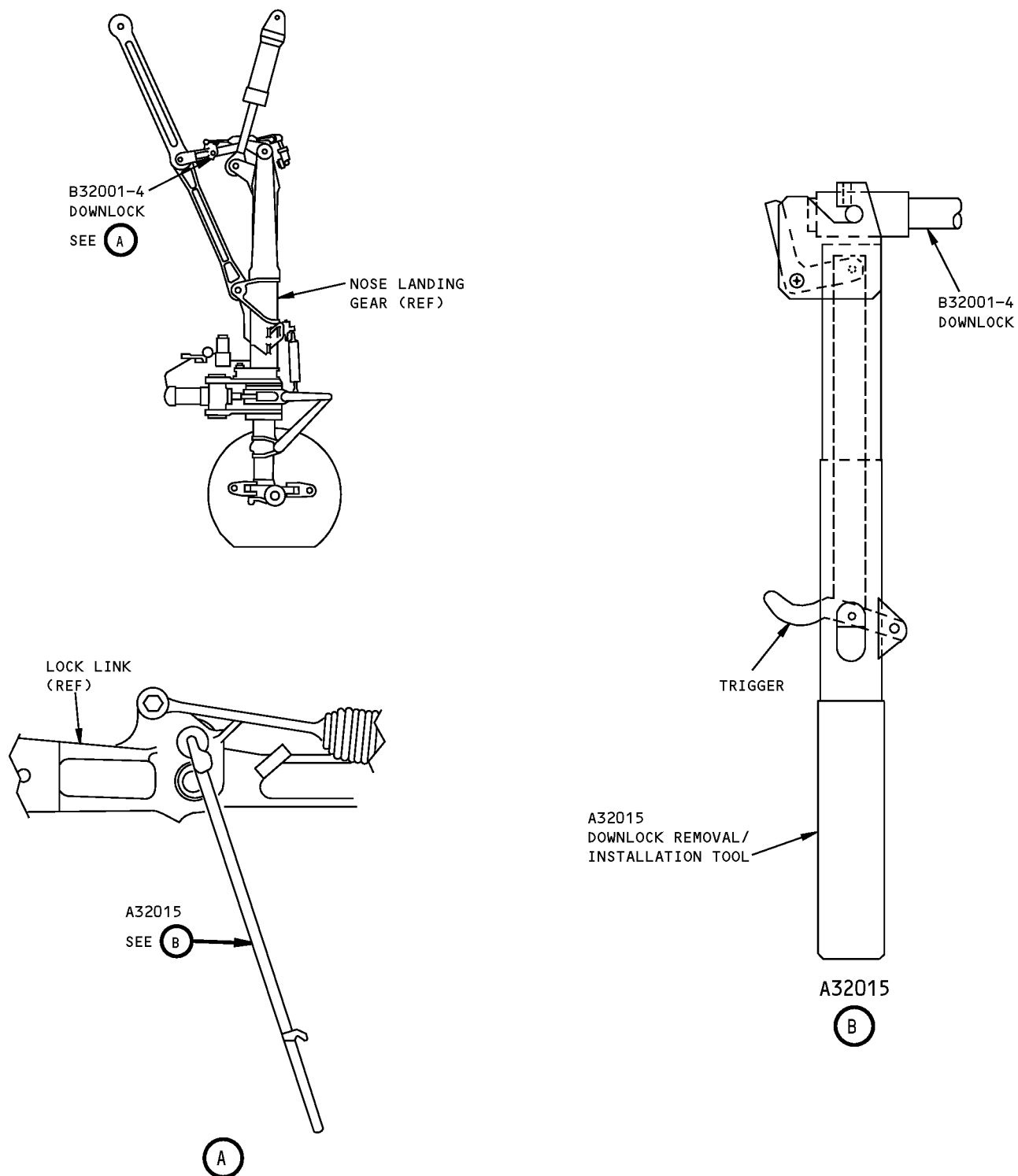
**DIMENSIONS:** 3 x 3 x 11 inches (76 x 76 x 279 mm)

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**MLG and NLG Downlock  
Figure 1 (Sheet 1 of 2)**

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**MLG and NLG Downlock  
Figure 1 (Sheet 2 of 2)**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER:** F70312-22, -27, -30, -31, -36, -37, -38, -47, -51

**NAME:** KIT - CROWFOOT WRENCHES

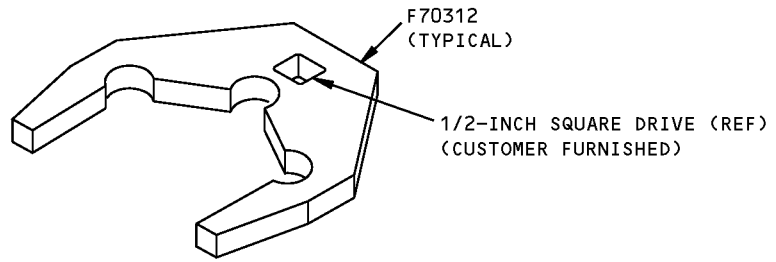
**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** YES

**USAGE & DESCRIPTION:** The F70312 crowfoot wrench kit is used on all 757 airplanes. For the 757 usage, F70312 is a collection of individual wrenches, not a "kit." F70312 is used to remove or install a variety of nuts associated with several main landing gear and nose landing gear components. All the wrenches are 1/2-inch thick 4140 or 4130 steel plate, and are used with a customer-furnished 1/2-inch square drive. Refer to AMM 32-11-01, AMM 32-11-03, AMM 32-11-04, AMM 32-11-05, AMM 32-11-07, AMM 32-11-10, AMM 32-11-12, AMM 32-11-16, AMM 32-11-17, AMM 32-11-24, CMM 32-11-23, CMM 32-11-26, CMM 32-11-32 and CMM 32-51-15 for complete usage instructions.

F70312 CROWFOOT WRENCH KIT		
DASH NUMBER	USED ON PART NUMBER	PART NAME
F70312-22	161N1813	TRUCK PIVOT, MLG
F70312-27	275N1223	STEERING ACTUATOR SEAL NUT, NLG
F70312-30	161N1811	TRUNNION LINK, MLG
F70312-31	162N2304	DRAG STRUT NUT, NLG (757-300)
F70312-36	161N1827	TORSION LINK APEX NUT, MLG
F70312-36	161N2304	DRAG STRUT NUT, NLG
F70312-37	161N2513	REACTION LINK NUT, MLG
F70312-38	161N2515	ACTUATOR LINK, MLG
F70312-38	162N2304	DRAG STRUT NUT, MLG (757-200)
F70312-47	161N1810	TORSION LINK, MLG
F70312-51	273N1001	DOOR ACTUATOR RETAINER NUT, MLG

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Crowfoot Wrench Kit  
Figure 1**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: A32074-1**

**NAME:** BREAKOUT BOX - RELAY SYSTEM, AIR/GROUND

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The A32074-1 breakout box is used on all 757 airplanes. A32074 is used for continuity and voltage checks of air/ground relays in the following panels: P33 miscellaneous electrical equipment panel, P36 left miscellaneous electrical equipment panel and the P37 right miscellaneous electrical equipment panel.

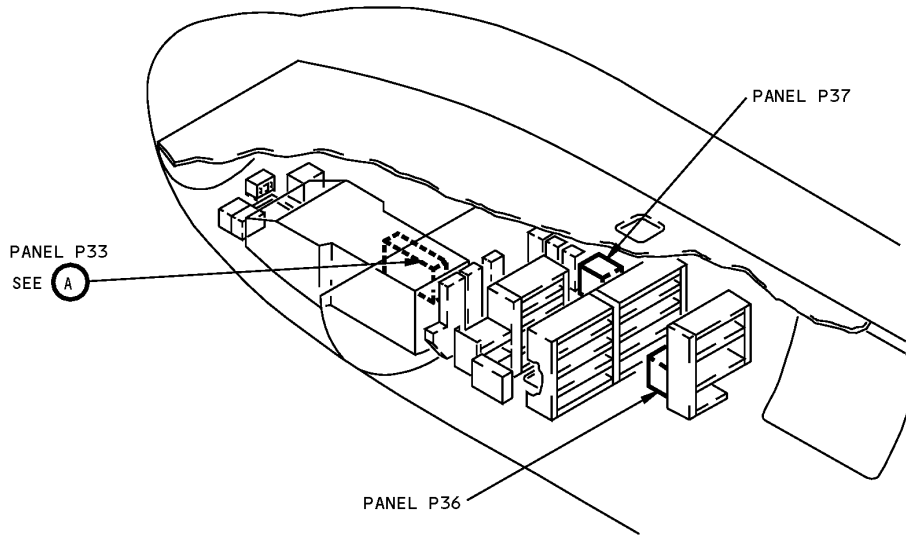
A32074 is used to check the circuitry of the ground safety relays. Any one of the airplanes ground safety relays can be removed and installed in this breakout box and then the appropriate cable from the box can be installed in place of the removed relay. The relay will function remotely and each circuit can be probed via the pin jacks on the box's front panel. The TE65B40719 breakout box is optional to A32074-1. Refer to AMM 32-09-02 for complete usage instructions.

A32074-1 consists of banana jacks, relay sockets, terminal strips and electrical circuitry mounted on a panel and chassis assembly.

**WEIGHT:** 12 lbs (5.4 kg)

**DIMENSIONS:** 8 x 9 x 15 inches (203 x 229 x 381 mm)

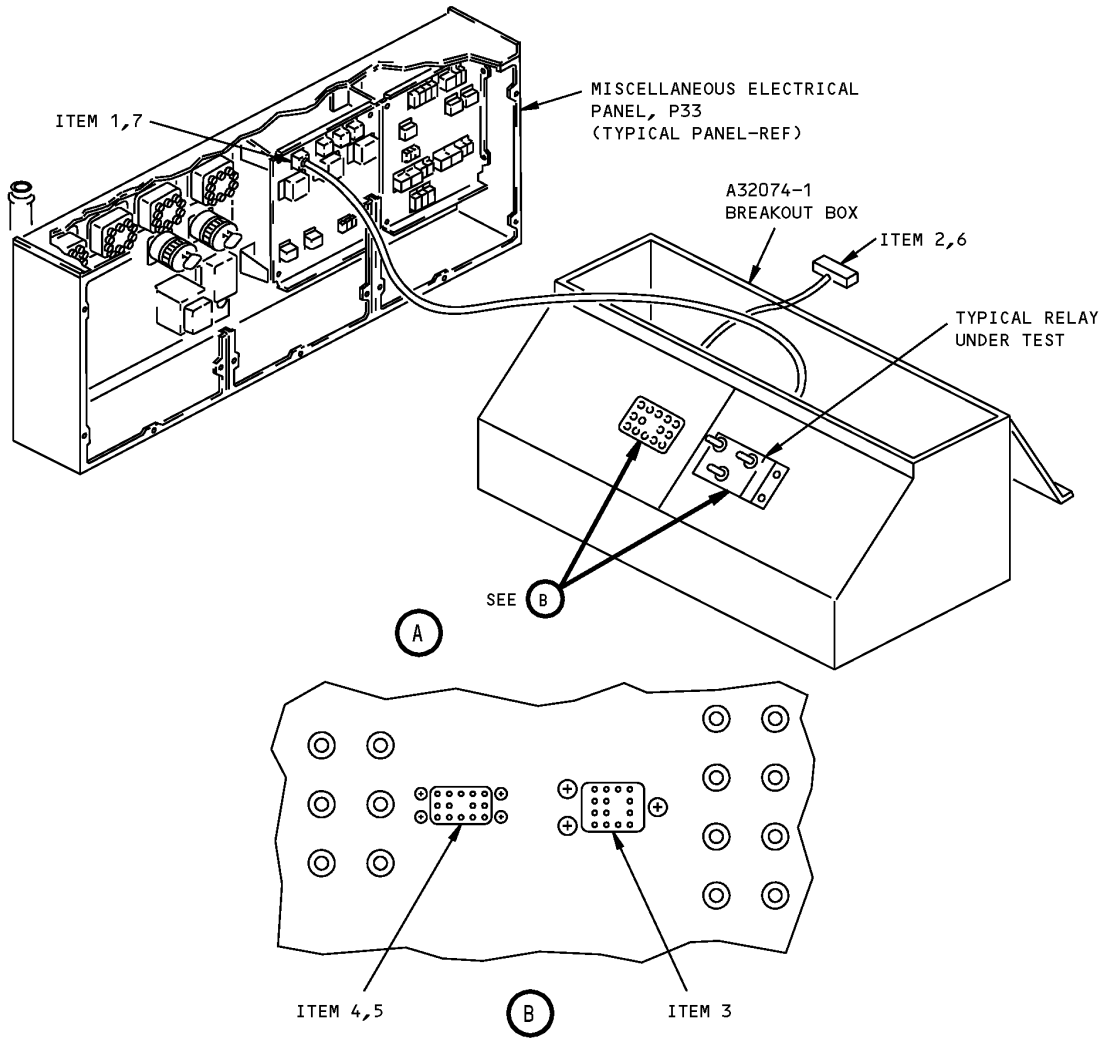
**757**  
**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Air/Ground Relay System Breakout Box**  
**Figure 1 (Sheet 1 of 2)**



**757  
ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Air/Ground Relay System Breakout Box  
Figure 1 (Sheet 2 of 2)**

<b>REPAIRABLE/REPLACEABLE PARTS</b>			
<b>ITEM NO.</b>	<b>PART NO.</b>	<b>NOMENCLATURE</b>	<b>VENDOR CODE</b>
1	001-5268-002 <sup>[1]</sup>	CABLE PLUG	V35344
2	44B270106-3 <sup>[2]</sup>	CABLE PLUG	V01526
3	102009-1	RELAY SOCKET	V09922
4	451120-027 <sup>[3]</sup>	RELAY SOCKET	V03743
5	RSE120027 <sup>[3]</sup>	RELAY SOCKET	V03743
6	A32074-10 <sup>[2]</sup>	CABLE PLUG	V01526
7	A32074-11 <sup>[1]</sup>	CABLE PLUG	V01526

<sup>[1]</sup> 001-5268-002 OPTIONAL TO A32074-11



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**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

\*[2] 44B270106-3 OPTIONAL TO A32074-10

\*[3] 51120-027 OPTIONAL TO RSE120027



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**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

**PART NUMBER: B32049-6**

**NAME:** PIN SET - MAIN NOSE LANDING GEAR (NLG) AND MAIN LANDING GEAR (MLG) DOWNLOCK

**AIRPLANE MAINTENANCE:** NO

**COMPONENT MAINTENANCE:** YES

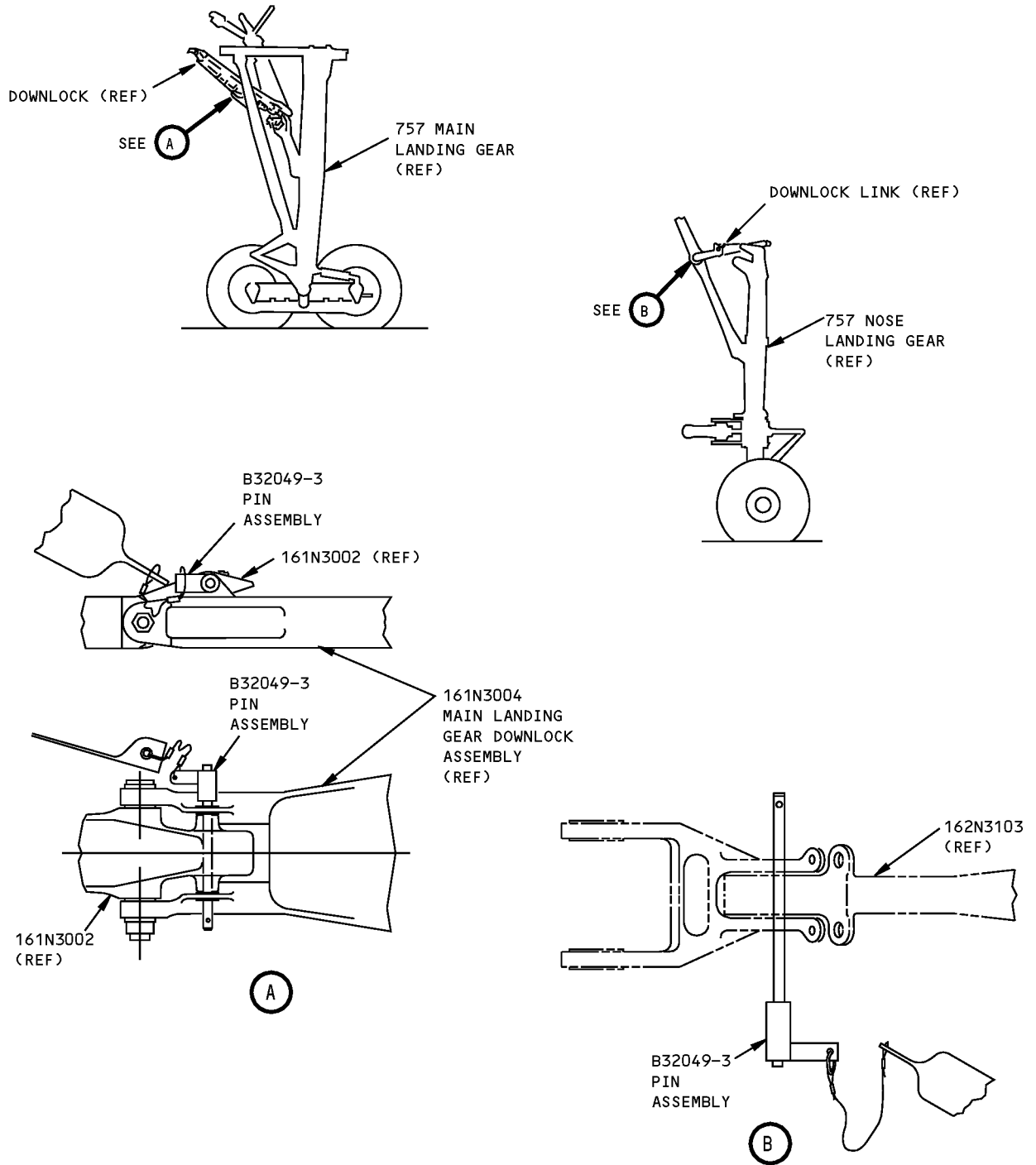
**USAGE & DESCRIPTION:** The B32049-6 pin set is used during component maintenance for all 757 airplanes. B32049 is used to prevent accidental retraction of main and nose landing gear lock links during ground overhaul and transportation. Refer to CMM 32-11-72 and CMM 32-21-64 for complete usage instructions. B32049-6 consists of three B32049-3 pin assemblies contained in a storage box.

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

**DIMENSIONS:** 1 x 3 x 9 inches (25 x 76 x 229 mm)

**NOTE:** B32049-6 supersedes B32049-1.

**757**  
**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**B32049-6 pin set**  
**Figure 1**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: A32015-9**

**NAME:** REMOVAL/INSTALLATION TOOL - MAIN LANDING GEAR AND NOSE LANDING GEAR DOWNLOCK

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The A32015-9 removal installation tool is used on all 757 airplanes. A32015 is a hand-held extension device used to remove or install the downlock pins (without using a ladder) in the main and nose landing gears. Refer to AMM 32-00-20 and AMM34-46-00 for complete usage instructions. A32015-9 consists of:

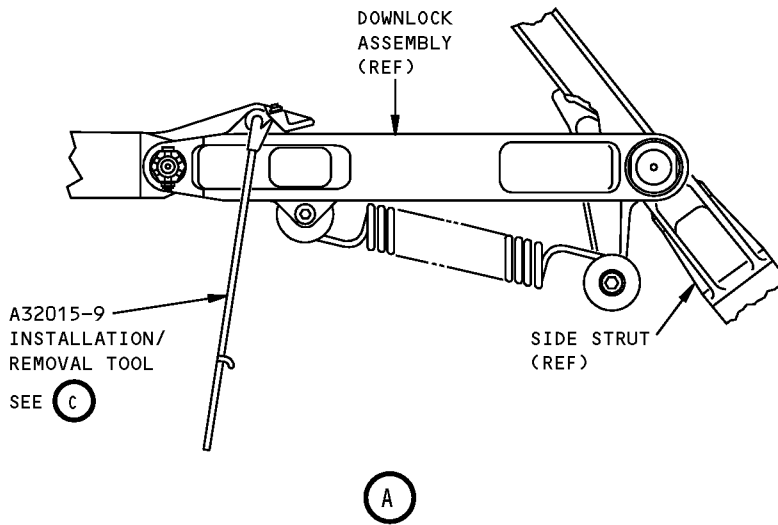
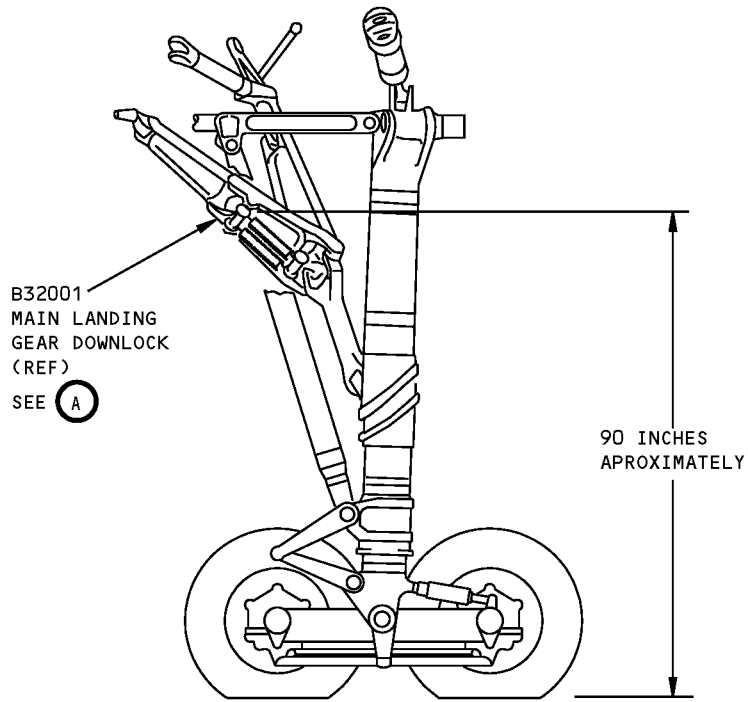
A32015-9		
QUANTITY	NOMENCLATURE	PART NUMBER
1	EXTENSION ASSEMBLY	A32015-2
1	LEVER	A32015-4
1	LINK	A32015-5
1	TRIGGER	A32015-6
1	PIN-SPRING	MS16562-240
3	PIN-SPRING	MS16562-221
2	SPACER	NAS43HT 3-23
2	SPRING PLUNGER	CL-11-SPS-1

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

**DIMENSIONS:** 2 x 2 x 45 inches (51 x 51 x 1143 mm)

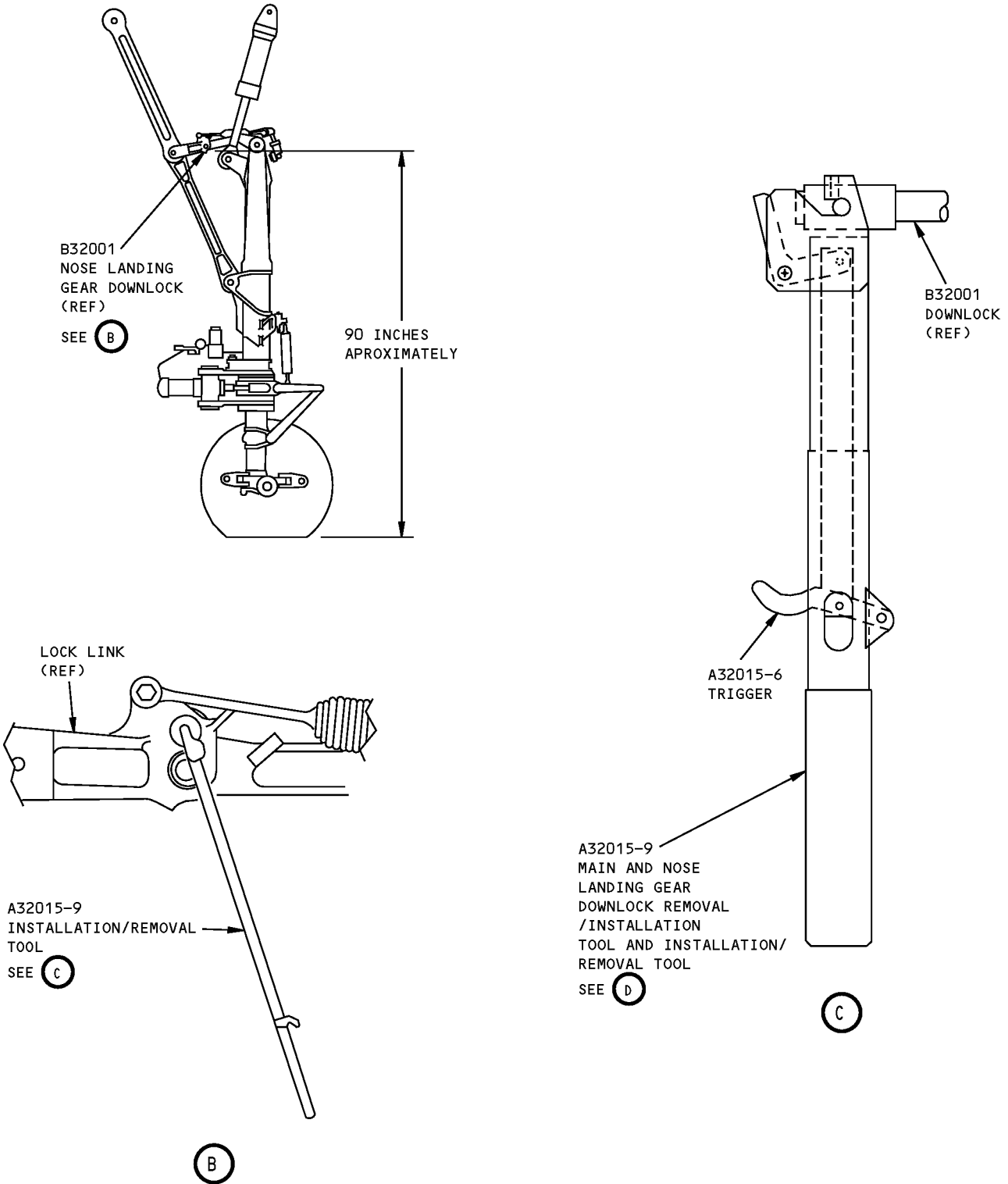
**NOTE:** A32015-9 supersedes A32015-1.

**757  
ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



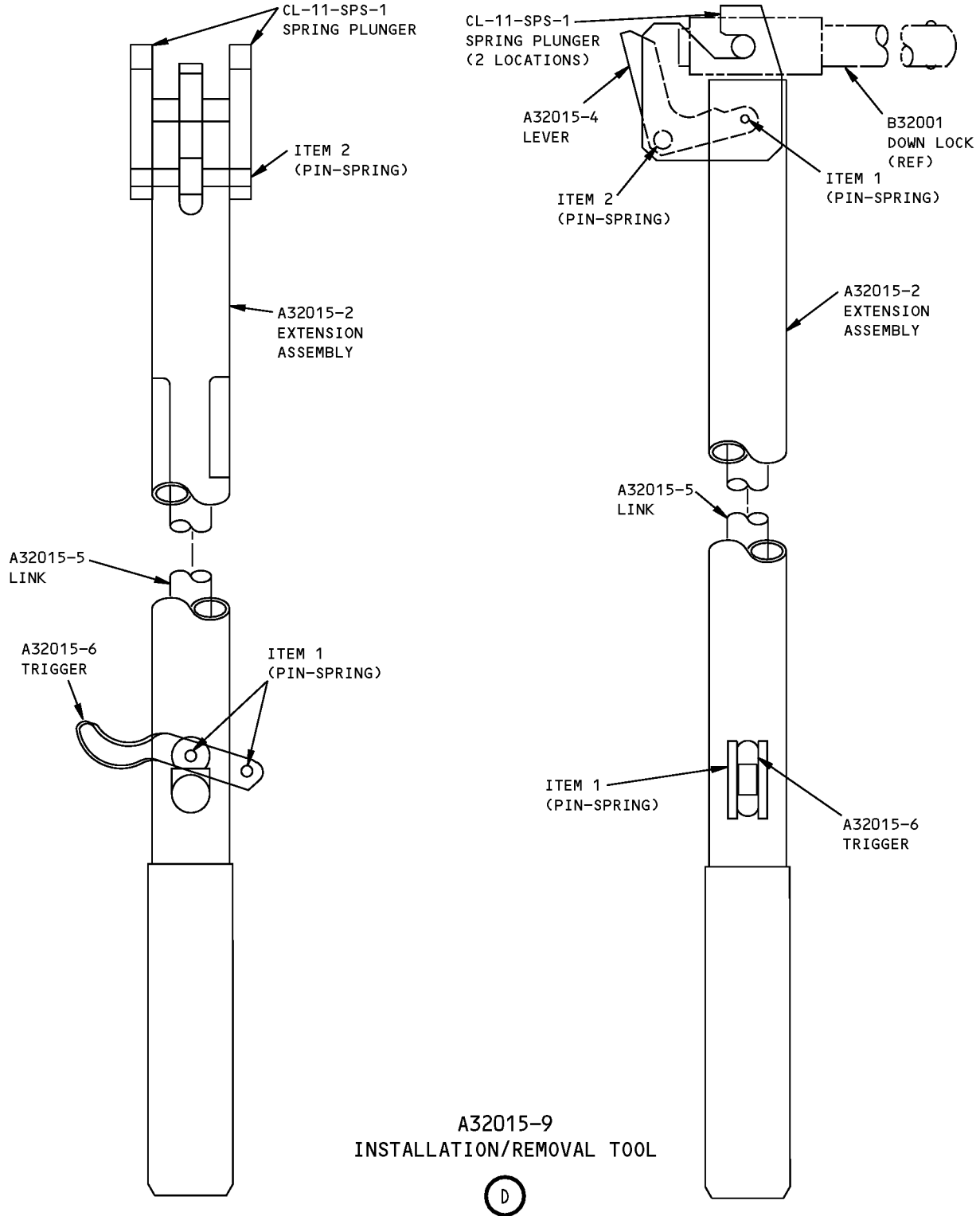
**Main Landing Gear And Nose Landing Gear Downlock Removal/Installation Tool  
Figure 1 (Sheet 1 of 3)**

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Main Landing Gear And Nose Landing Gear Downlock Removal/Installation Tool  
Figure 1 (Sheet 2 of 3)**

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Main Landing Gear And Nose Landing Gear Downlock Removal/Installation Tool  
Figure 1 (Sheet 3 of 3)**





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ILLUSTRATED TOOL AND EQUIPMENT MANUAL

REPAIRABLE/REPLACEABLE PARTS			
ITEM NO.	PART NO.	NOMENCLATURE	VENDOR CODE
1	MS16562-221	PIN-SPRING	
2	MS16562-240	PIN-SPRING	
3	NAS43HT 3-23	SPACER	



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**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

**PART NUMBER: A32015-1 WAS MOVED TO 32-00-05**

**757**  
**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

**PART NUMBER: B32006-13**

**NAME:** LINK - SHOCK STRUT POSITIONER, MAIN LANDING GEAR (MLG)

**AIRPLANE MAINTENANCE:** YES

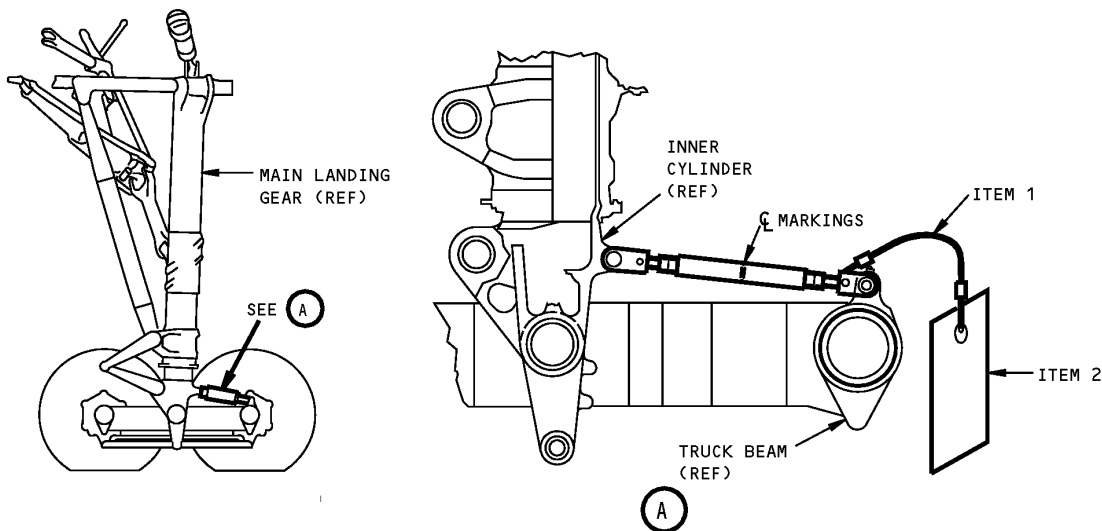
**COMPONENT MAINTENANCE:** YES

**USAGE & DESCRIPTION:** The B32006-13 link is used on all 757 airplanes. B32006 is used during main landing gear removal and installation procedures. B32006 replaces the truck positioning actuator, adjusts and stabilizes the gear attitude to achieve aligned gear movement. The tool is a left and right hand screw thread shaft (a turnbuckle arrangement) with eyes at each end that fit onto the main landing gear inner cylinder and the main landing gear truck beam, respectively. Refer to AMM 32-11-01, AMM 32-11-24, CMM 32-11-23, CMM 32-11-26 and CMM 32-11-32 for complete usage instructions. B32006-13 consists of a B32006-14 link assembly, a warning streamer and connecting hardware, all contained in a storage box.

**WEIGHT:** 9 lbs (4.1 kg)

**DIMENSIONS:** 4 x 10 x 20 inches (102 x 254 x 508 mm)

**NOTE:** B32006-13 supersedes B32006-1.



**MLG Shock Strut Positioner Link**  
**Figure 1**



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ILLUSTRATED TOOL AND EQUIPMENT MANUAL

REPAIRABLE/REPLACEABLE PARTS			
ITEM NO.	PART NO.	NOMENCLATURE	VENDOR CODE
1	CL-22-KA-24.0LR	CABLE ASSEMBLY	V99862
2	NAS1756-24	WARNING STREAMER	



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**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

**PART NUMBER: B32008-1 WAS MOVED TO 32-30-23**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32010-1, -2, -14, -15**

**NAME:** CHANGE EQUIPMENT - WHEEL AND BRAKE, MAIN LANDING GEAR (MLG)

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** YES

**USAGE & DESCRIPTION:** The B32010-1 or -14 (preferred) and -2 or -15 (preferred) change equipment is used on all 757 airplanes. B32010 is used during removal or installation of the main landing gear wheels, wheel bearings and brakes. The B32010-1 or -14 tool consists of a wrench for axle nut removal and a thread protector assembly for the axle threads during wheel removal. The B32010-2 or -15 consists of a sleeve and cap to protect the axle and threads during brake removal. The cap provides a base for the use of the brake removal tool B32016. Refer to AMM 32-41-10, AMM 32-45-01, CMM 32-11-23 and CMM 32-11-26 for complete usage instructions. B32010-14 and -15 consist of:

B32010-14		
QUANTITY	NOMENCLATURE	PART NUMBER
1	THREAD PROTECTOR ASSEMBLY	B32010-3
1	WRENCH ASSEMBLY	B32010-16
1	WRENCH ASSEMBLY	B32010-23
1	STORAGE BOX	

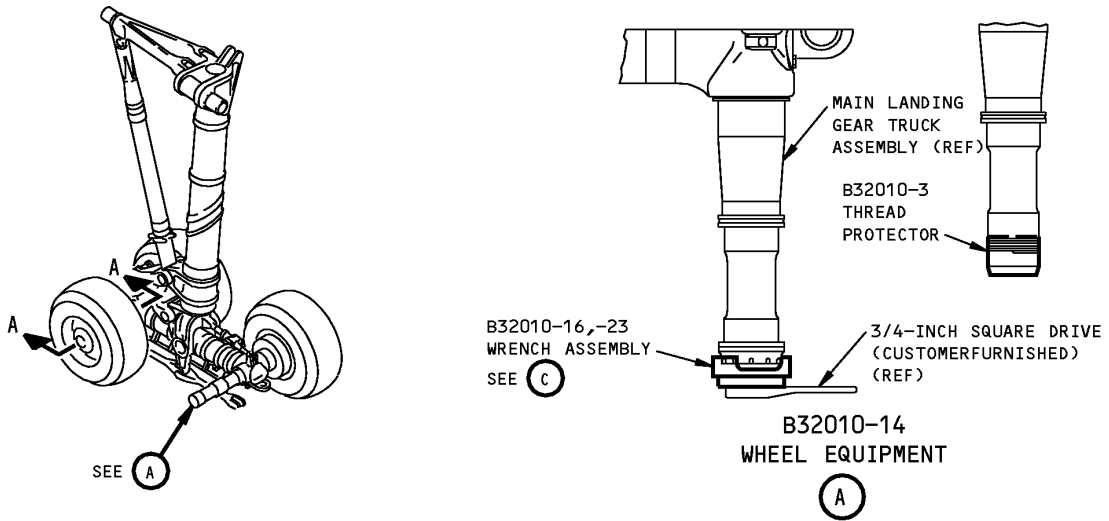
B32010-15		
QUANTITY	NOMENCLATURE	PART NUMBER
1	SLEEVE	B32010-5
1	CAP	B32010-6
1	STORAGE BOX	

**WEIGHT:** B32010-14 - 9 lbs (4.1 kg)  
B32010-15 - 14 lbs (6 kg)

**DIMENSIONS:** B32010-14 - 6 x 6 x 6 inches (152 x 152 x 152 mm)  
B32010-15 - 6 x 6 x 12 inches (152 x 152 x 305 mm)

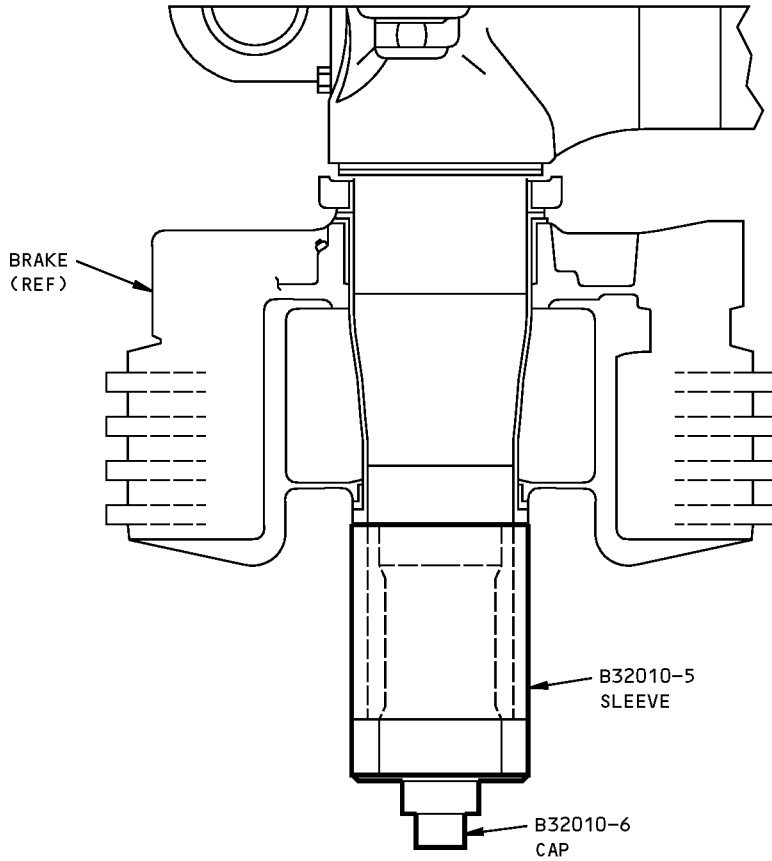
**NOTE:** B32010-14 replaces B32010-1 for future procurement.  
B32010-15 replaces B32010-2 for future procurement.

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

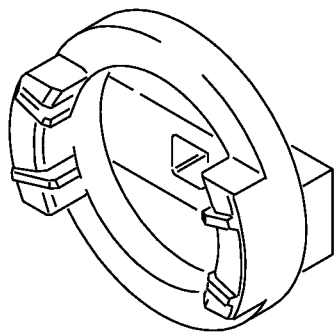


**MLG Wheel And Brake Change Equipment  
Figure 1 (Sheet 1 of 2)**

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**BRAKE AND BEARING EQUIPMENT  
(TYPICAL)  
(8 LOCATIONS)  
A-A**



**B32010-16  
WRENCH ASSEMBLY SHOWN  
B32010-23 SIMILAR**

**MLG Wheel And Brake Change Equipment  
Figure 1 (Sheet 2 of 2)**





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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32011-14**

**NAME:** THREAD PROTECTOR SET - MAIN LANDING GEAR (MLG) COMPONENTS

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** YES

**USAGE & DESCRIPTION:** The B32011-14 thread protector set is used on all 757 airplanes. B32011 is composed of a variety of thread protectors that are used during maintenance operations on main landing gear components. Refer to AMM 32-11-01, AMM 32-11-03, AMM 32-11-04, AMM 32-11-05, AMM 32-11-07, AMM 32-11-10, AMM 32-11-12, AMM 32-11-16, AMM 32-11-17, AMM 32-11-24, AMM 32-32-01, CMM 32-11-23 and CMM 32-11-26 for complete usage instructions. B32011-14 consists of:

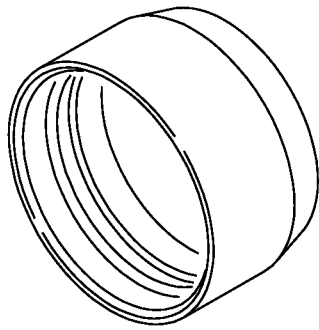
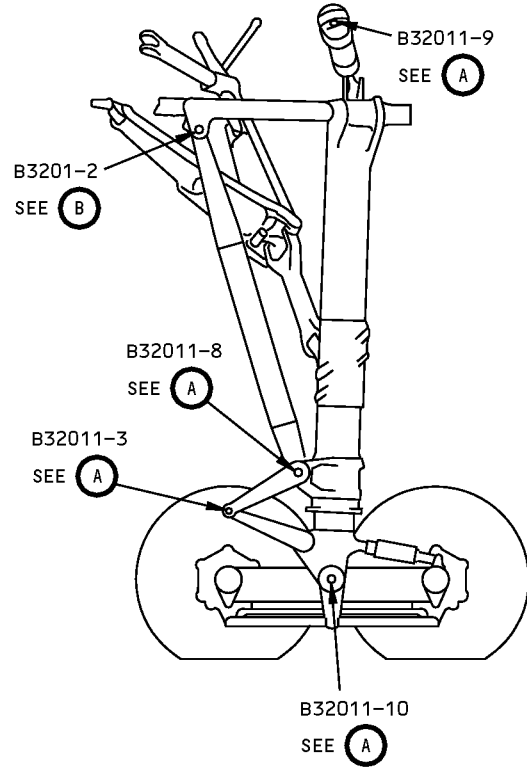
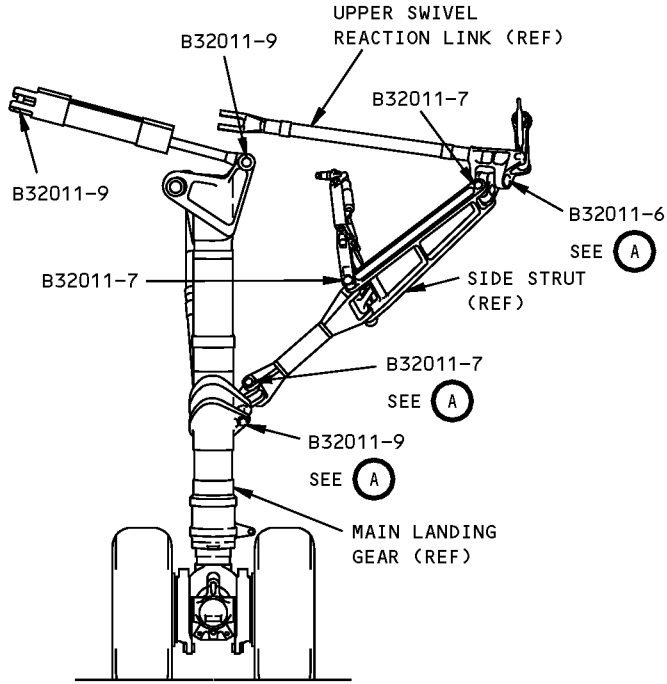
<b>B32011-14</b>		
<b>QUANTITY</b>	<b>NOMENCLATURE</b>	<b>PART NUMBER</b>
1	PLUG PROTECTOR ASSEMBLY	B32011-2
1	THREAD PROTECTOR	B32011-3
1	THREAD PROTECTOR	B32011-6
3	THREAD PROTECTOR	B32011-7
1	THREAD PROTECTOR	B32011-8
1	THREAD PROTECTOR	B32011-10
3	THREAD PROTECTOR	B32011-12
1	STORAGE BOX	

**WEIGHT:** 15 lbs (7 kg)

**DIMENSIONS:** 6 x 12 x 16 inches (152 x 305 x 406 mm)

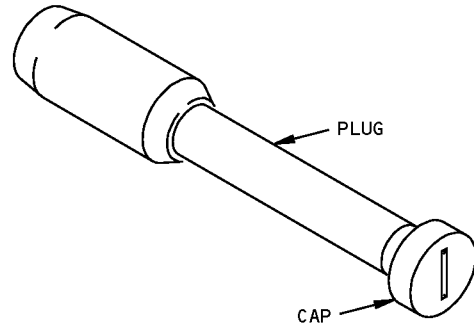
**NOTE:** B32011-14 supersedes B32011-1.

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



THREAD PROTECTOR

(A)



B32011 -2  
PLUG PROTECTOR ASSEMBLY

(B)

**MLG Components Thread Protector Set  
Figure 1**



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**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

**PART NUMBER: B32014-1 WAS DELETED**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32015-38**

**NAME:** HOISTING ADAPTER SET - MAIN LANDING GEAR COMPONENTS

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The B32015-38 hoisting adapter set is used on all 757 airplanes. B32015 consists of three major assemblies that are used to remove or install main landing gear components. The B32015-39 clamp assembly is used with the B32015-30 and A20001 boom hoist to remove or install the main gear drag strut assembly. The B32015-40 clamp assembly, also used with the B32015-30 and A20001, is used for removing or installing the landing gear reaction link assembly. Refer to AMM 32-11-03, AMM 32-11-10 and AMM 32-41-10 for complete usage instructions. B32015-38 consists of:

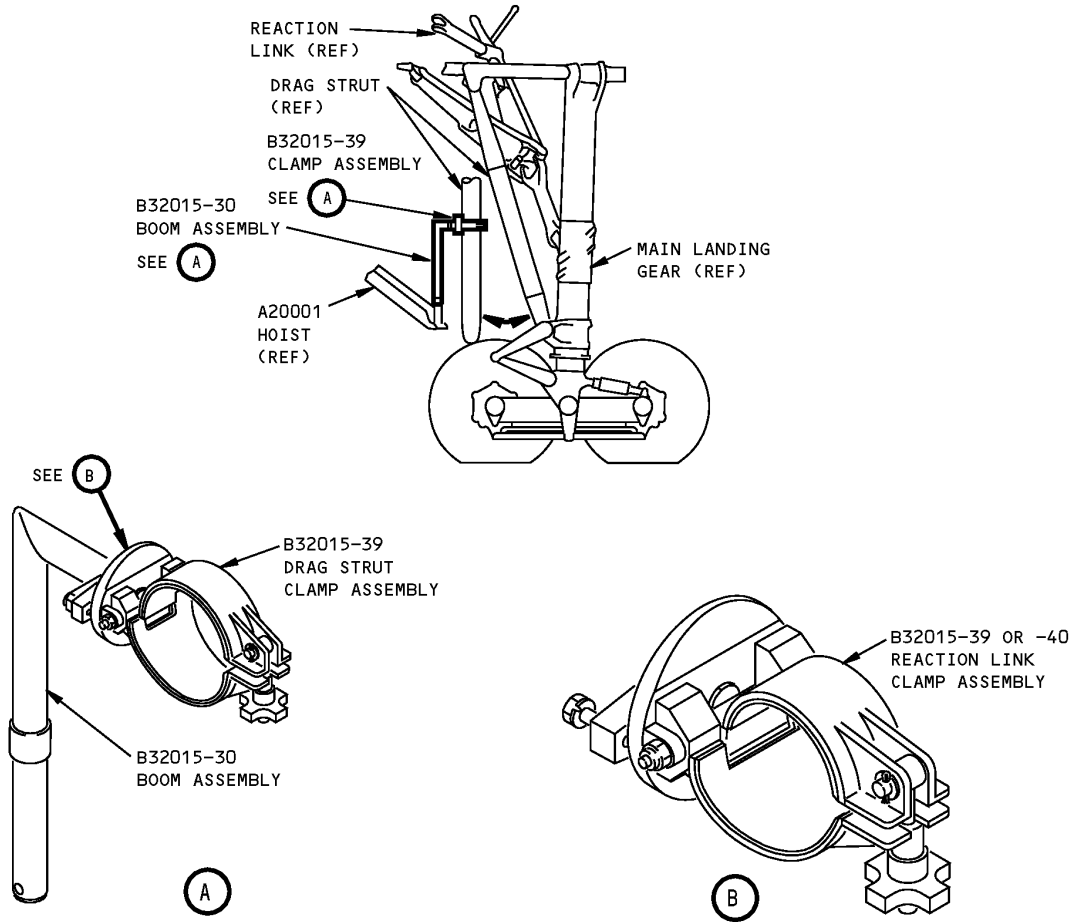
<b>B32015-38</b>		
<b>QUANTITY</b>	<b>NOMENCLATURE</b>	<b>PART NUMBER</b>
1	DRAG STRUT CLAMP ASSEMBLY	B32015-39
1	REACTION LINK CLAMP ASSEMBLY	B32015-40
1	BOOM ASSEMBLY	B32015-30
1	STORAGE BOX	

**WEIGHT:** 17 lbs (8 kg)

**DIMENSIONS:** 8 x 8 x 24 inches (203 x 203 x 610 mm)

**NOTE:** B32015-38 supersedes B32015-1.

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Main Landing Gear Components Hoisting Adapter Set  
Figure 1**



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**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

**PART NUMBER: B32017-1 WAS MOVED TO 32-30-22**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32018-1**

**NAME:** ALIGNMENT PIN - TRUNNION LINK TO STRUT, MAIN LANDING GEAR (MLG)

**AIRPLANE MAINTENANCE:** YES

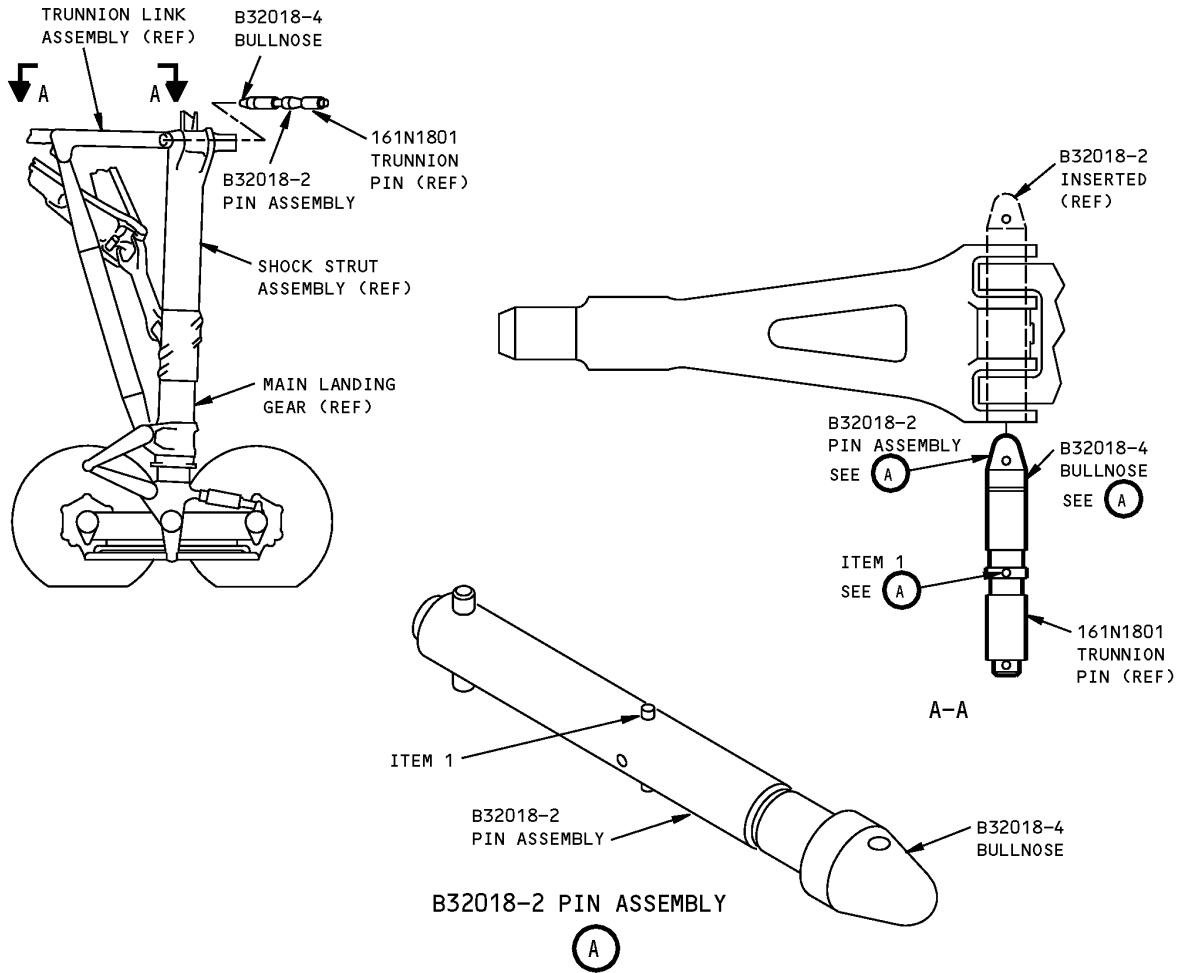
**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The B32018-1 alignment pin is used on all 757 airplanes. The B32018 alignment pin is used to align the trunnion link assembly and the shock strut assembly for trunnion pin 161N1801 installation. Refer to the current B32018 drawing and AMM 32-11-01 for complete usage instructions. B32018-1 consists of a B32018-2 pin assembly and a B32018-4 bull nose, both contained in a storage box.

**WEIGHT:** 15 lbs (7 kg)

**DIMENSIONS:** 4 x 4 x 20 inches (102 x 102 x 508 mm)

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**MLG Trunnion Link To Strut Alignment Pin  
Figure 1**

REPAIRABLE/REPLACEABLE PARTS			
ITEM NO.	PART NO.	NOMENCLATURE	VENDOR CODE
1	B32018-5	PIN	





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**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

**PART NUMBER: B32064-1 WAS MOVED TO 32-30-24**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: A32008-52, -53**

**NAME:** SLING EQUIPMENT - MAIN LANDING GEAR (MLG) COMPONENTS

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The A32008-52 or -53 sling equipment is used on all 757 airplanes. A32008-52 is used for a 757 only fleet. A32008-53 is used for a mixed 757/767 fleet. A32008 is used with the A20001 boom hoist for removal or installation of the main landing gear side strut. Refer to AMM 32-11-04 and AMM 32-11-05 for complete usage instructions. A32008-52 and -53 consist of:

A32008-52		
QUANTITY	NOMENCLATURE	PART NUMBER
1	BEAM ASSEMBLY	A32008-58
1	END ASSEMBLY	A32008-54
1	CLAMP ASSEMBLY	A32008-38
1	ADAPTER ASSEMBLY	A32008-50
1	STORAGE BOX	

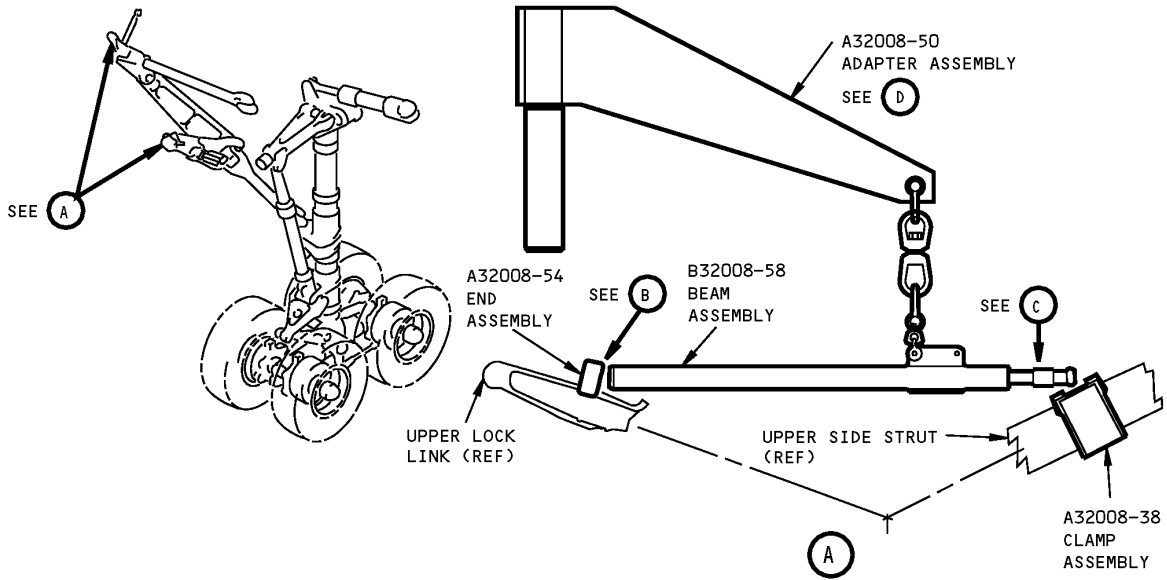
A32008-53		
QUANTITY	NOMENCLATURE	PART NUMBER
1	BEAM ASSEMBLY	A32008-58
1	BEAM ASSEMBLY	A32008-2
1	END ASSEMBLY	A32008-54
1	END ASSEMBLY	A32008-3
1	CLAMP ASSEMBLY	A32008-38
1	CLAMP ASSEMBLY	A32008-5
1	ADAPTER ASSEMBLY	A32008-50
1	STORAGE BOX	

**WEIGHT:** A32008-52 - 30 lbs (14 kg)  
A32008-53 - 35 lbs (16 kg)

**DIMENSIONS:** 6 x 16 x 47 inches (152 x 406 x 1194 mm)

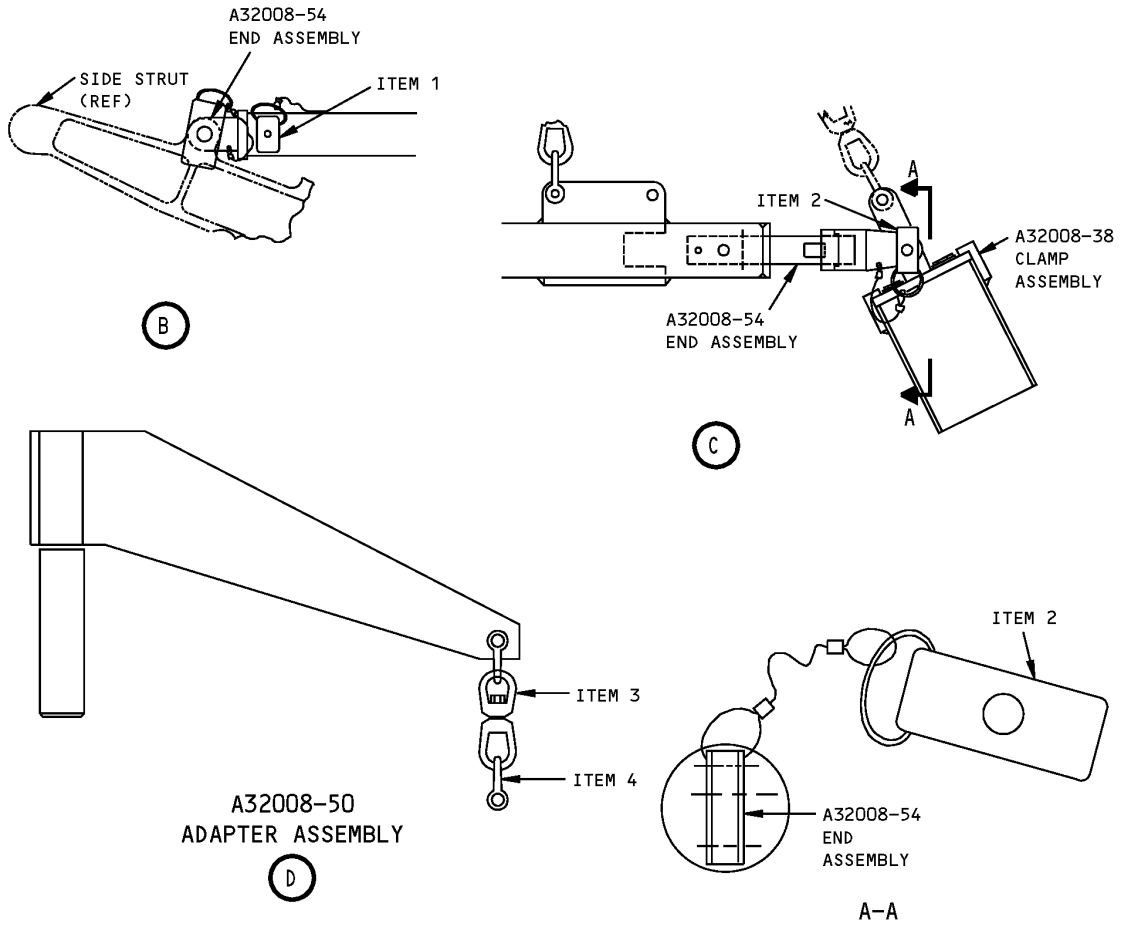
**NOTE:** A32008-52 and -53 supersedes A32008-37 and -44, respectively.

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**MLG Components Sling Equipment  
Figure 1 (Sheet 1 of 2)**

ILLUSTRATED TOOL AND EQUIPMENT MANUAL



MLG Components Sling Equipment  
Figure 1 (Sheet 2 of 2)

REPAIRABLE/REPLACEABLE PARTS			
ITEM NO.	PART NO.	NOMENCLATURE	VENDOR CODE
1	NAS13342C21D	BALL LOCK PIN	
2	NAS1335C2C11D	BALL LOCK PIN	
3	G402-1/4	SWIVEL	V75535
4	G209-1/4	SHACKLE	V75535



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32020-1, -33, -40, -45**

**NAME:** INSTALLATION/REMOVAL EQUIPMENT - MAIN LANDING GEAR

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The B32020-1 or-33 installation/removal equipment are used on the 757-200, -200C and -200F airplanes. The B32020-40 or -45 (preferred) installation/removal equipment are used on all 757 airplanes. B32020 is used to adjust the outer cylinder of the shock strut in the preparation for the removal or installation of the main landing gear. Refer to AMM 32-11-01 for complete usage instructions. B32020-1, -33, -40 and -45 consist of:

<b>B32020-1</b>		
<b>QUANTITY</b>	<b>NOMENCLATURE</b>	<b>PART NUMBER</b>
1	UPPER ROD ASSEMBLY	B32020-2
1	LOWER ROD ASSEMBLY	B32020-3
1	UPPER BRACKET ASSEMBLY	B32020-5
1	BAR ASSEMBLY	B32020-7
1	LOWER BRACKET ASSEMBLY	B32020-10
1	CYLINDER ASSEMBLY	B32020-12
3	PIN	B32020-20
3	SLEEVE	B32020-21
1	BUSHING	B32020-22
1	STRAP ASSEMBLY	B32020-23
1	PUMP ASSEMBLY	B32020-30
2	WASHER	AN960-1016
1	STORAGE BOX	

<b>B32020-33</b>		
<b>QUANTITY</b>	<b>NOMENCLATURE</b>	<b>PART NUMBER</b>
1	UPPER ROD ASSEMBLY	B32020-2
1	LOWER ROD ASSEMBLY	B32020-3
1	UPPER BRACKET ASSEMBLY	B32020-5
1	BAR ASSEMBLY	B32020-7
1	LOWER BRACKET ASSEMBLY	B32020-10
1	CYLINDER ASSEMBLY	B32020-12
3	PIN	B32020-20



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

B32020-33		
QUANTITY	NOMENCLATURE	PART NUMBER
3	SLEEVE	B32020-21
1	BUSHING	B32020-22
1	STRAP ASSEMBLY	B32020-23
1	PUMP ASSEMBLY	B32020-34
2	WASHER	AN960-1016
1	STORAGE BOX	

B32020-40		
QUANTITY	NOMENCLATURE	PART NUMBER
1	UPPER ROD ASSEMBLY	B32020-2
1	LOWER ROD ASSEMBLY	B32020-3
1	UPPER BRACKET ASSEMBLY	B32020-5
1	BAR ASSEMBLY	B32020-7
1	LOWER BRACKET ASSEMBLY	B32020-10
1	CYLINDER ASSEMBLY	B32020-12
1	BUSHING	B32020-22
1	STRAP ASSEMBLY	B32020-23
1	PUMP ASSEMBLY	B32020-34
3	PLUG	B32020-41
2	RETAINER	B32020-42
1	STORAGE BOX	

B32020-45		
QUANTITY	NOMENCLATURE	PART NUMBER
1	UPPER ROD ASSEMBLY	B32020-2
1	LOWER ROD ASSEMBLY	B32020-3
1	UPPER BRACKET ASSEMBLY	B32020-46
1	BAR ASSEMBLY	B32020-7
1	LOWER BRACKET ASSEMBLY	B32020-10
1	CYLINDER ASSEMBLY	B32020-12
1	BUSHING	B32020-22
1	STRAP ASSEMBLY	B32020-23
1	PUMP ASSEMBLY	B32020-34



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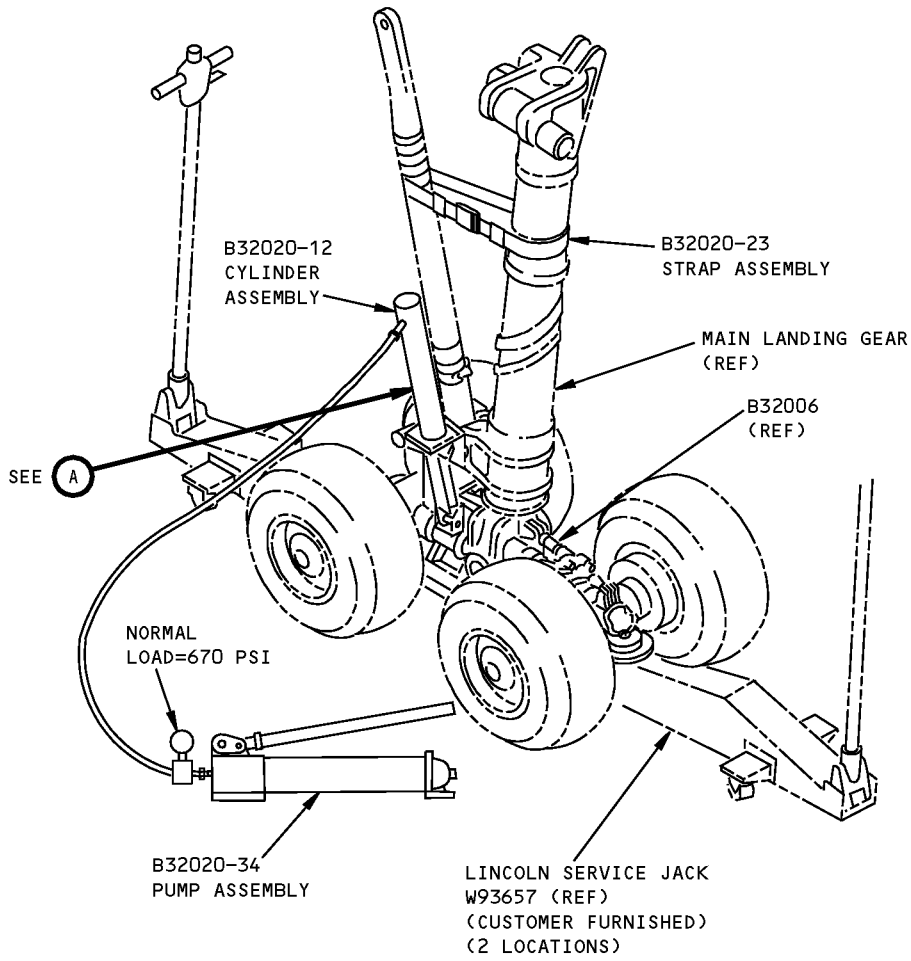
ILLUSTRATED TOOL AND EQUIPMENT MANUAL

B32020-45		
QUANTITY	NOMENCLATURE	PART NUMBER
3	PLUG	B32020-48
2	RETAINER	B32020-42
1	STORAGE BOX	

**WEIGHT:** 60 lbs (27 kg)

**DIMENSIONS:** 12 x 12 x 24 inches (305 x 305 x 610 mm)

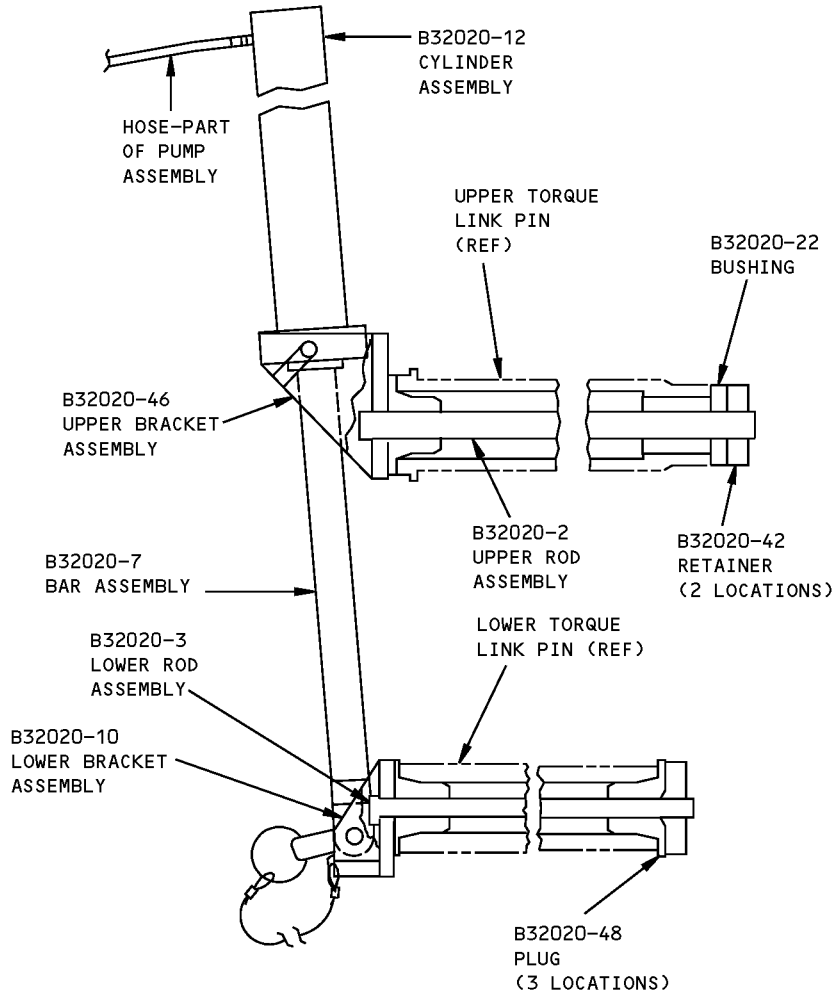
**NOTE:** B32020-45 is preferred for future procurement.  
B32020-45 replaces B32020-1 and -33 and -40 for future procurement.  
B32020-40 replaces B32020-1 and -33 for future procurement.  
B32020-33 replaces B32020-1 for future procurement.



**INSTALLATION/REMOVAL EQUIPMENT - MAIN LANDING GEAR**  
**Figure 1 (Sheet 1 of 2)**



**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**B3200-45  
INSTALLATION/REMOVAL EQUIPMENT SHOWN  
(B3200-1, -33, -40 SIMILAR)**

**A**

**INSTALLATION/REMOVAL EQUIPMENT - MAIN LANDING GEAR  
Figure 1 (Sheet 2 of 2)**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32025-75, -78**

**NAME:** PULLER EQUIPMENT - LOWER BEARING SEAL RETAINER, MAIN LANDING GEAR (MLG)

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The B32025-75 or -78 (preferred) puller equipment is used on all 757 airplanes. B32025 is used to remove or install the lower bearing seal retainer from the main landing gear shock strut to replace seals. Refer to AMM 32-11-24 and AMM 32-11-25 for complete usage instructions. B32025-78 consists of:

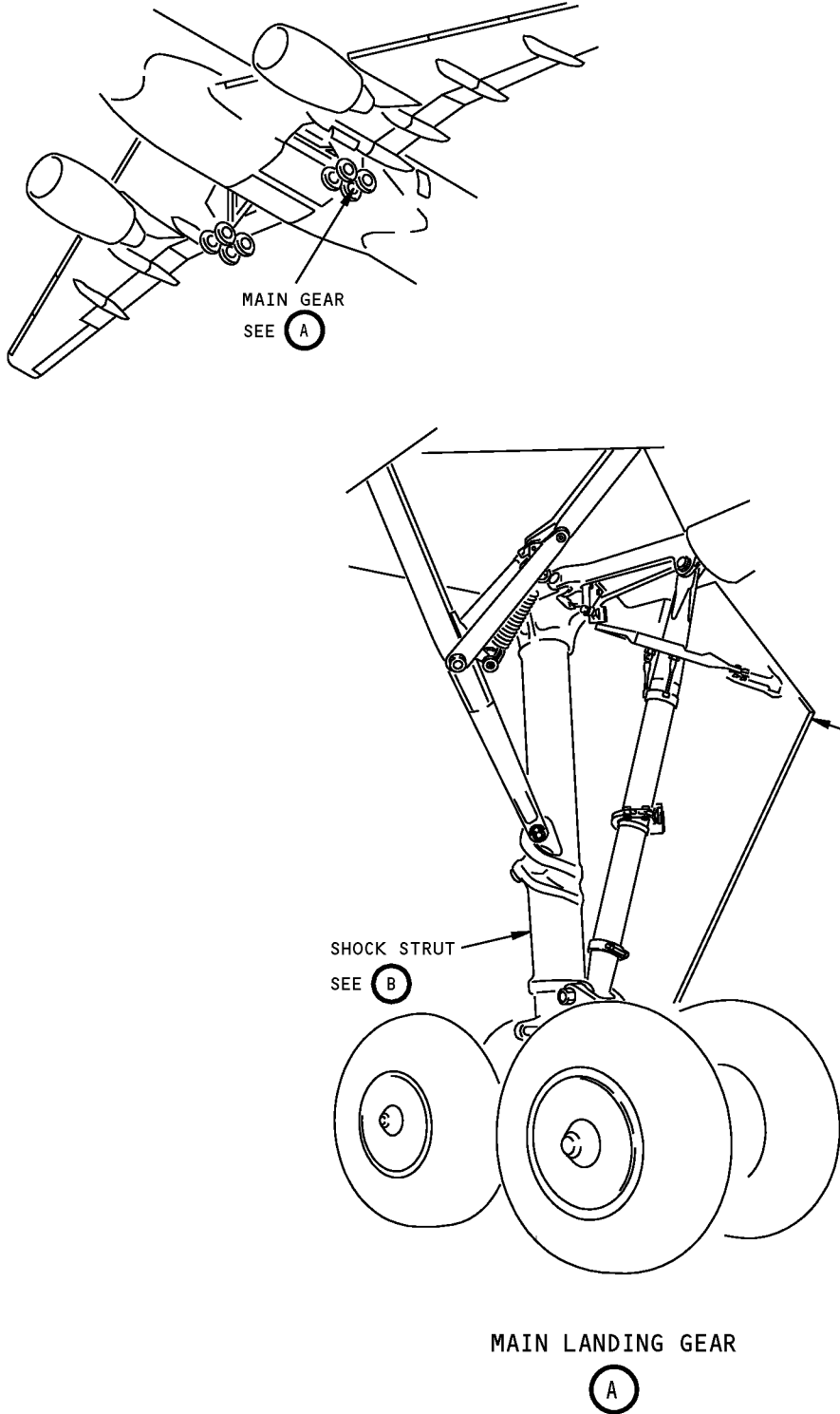
<b>B32025-78</b>		
<b>QUANTITY</b>	<b>NOMENCLATURE</b>	<b>PART NUMBER</b>
1	LOCK ASSEMBLY	B32025-31
1	RETAINER ASSEMBLY	B32025-32
1	RAM ASSEMBLY	B32025-56
1	PULLER ASSEMBLY	B32025-57
1	RING ASSEMBLY	B32025-66
2	TEFLON SHEET	B32025-67
2	TEFLON SHEET	B32025-68
1	PROTECTOR STRIP	B32025-77
2	SEAL INSTALLER ASSEMBLY	B32025-80
1	STORAGE BOX	

**WEIGHT:** B32025-75 - 52 lbs (24 kg)  
B32025-78 - 51 lbs (23 kg)

**DIMENSIONS:** 7 x 20 x 20 inches (178 x 508 x 508 mm)

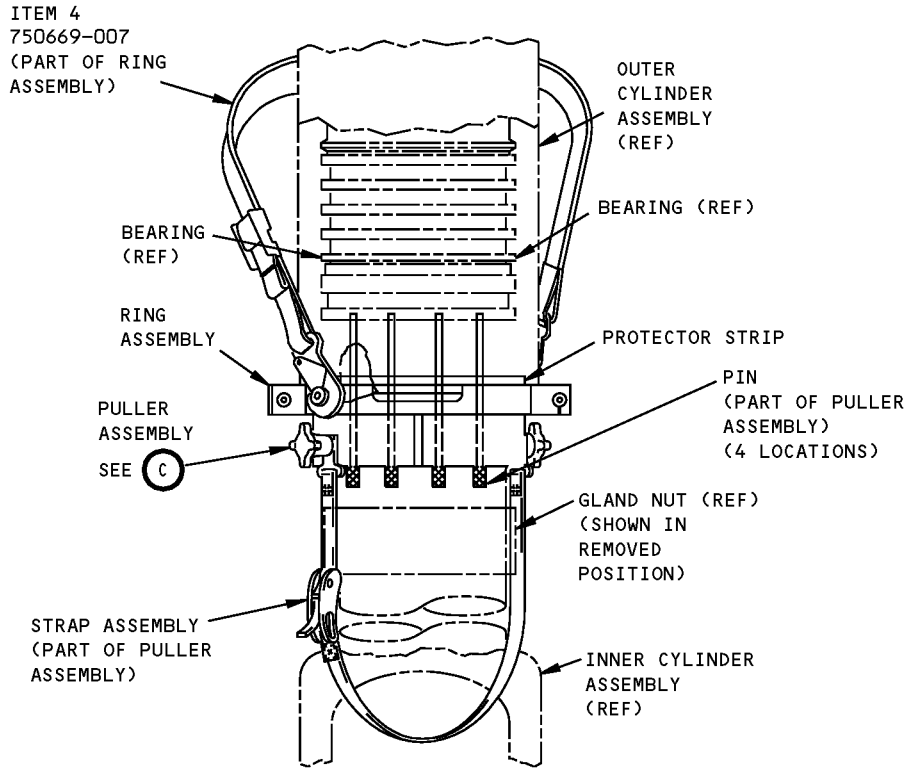
**NOTE:** B32025-78 replaces B32025-75 for future procurement.  
B32025-75 supersedes B32025-61.

**757  
ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



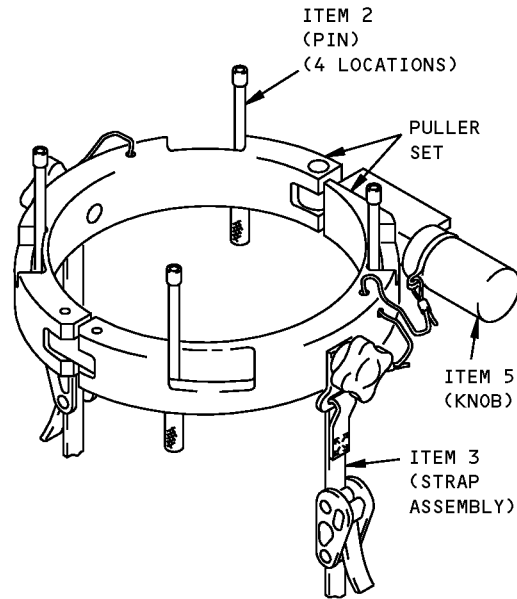
**MLG Lower Bearing Seal Retainer Puller Equipment  
Figure 1 (Sheet 1 of 4)**

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**B32025-75,-78  
LOWER BEARING SEAL REMOVAL  
USAGE I**

**(B)**



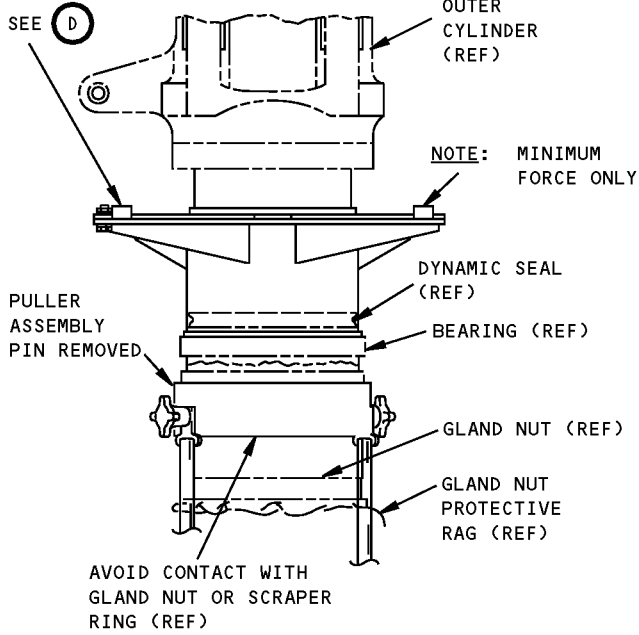
**B32025-57  
PULLER ASSEMBLY**

**(C)**

**MLG Lower Bearing Seal Retainer Puller Equipment  
Figure 1 (Sheet 2 of 4)**

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

RAM ASSEMBLY  
USE IN CONJUNCTION  
WITH O-RING INSERTER  
(T-92321)

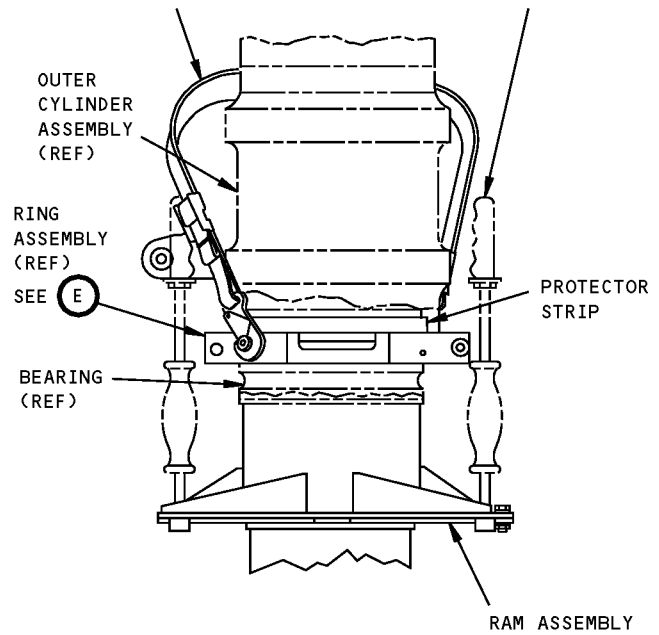


**DYNAMIC SEAL INSTALLATION  
USAGE II**

(B)

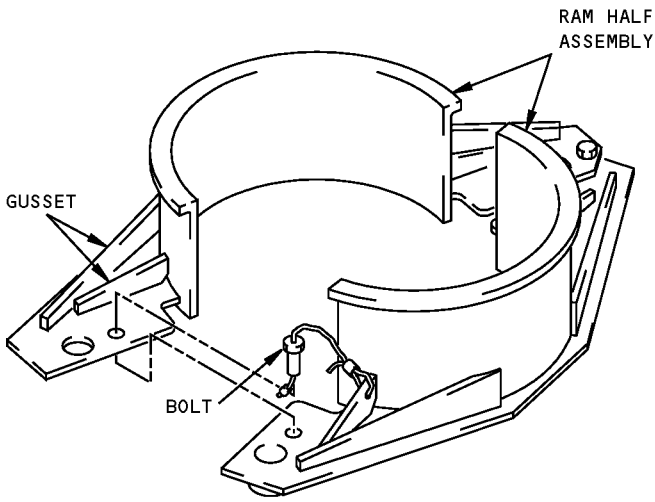
STRAP  
ASSEMBLY  
ITEM 5

SLIDE HAMMER (REF)  
SUGGESTED: SNAP ON  
CG250-9 AND HAMMER  
CG250-8A AND SCREW



**BEARING INSTALLATION  
USAGE III**

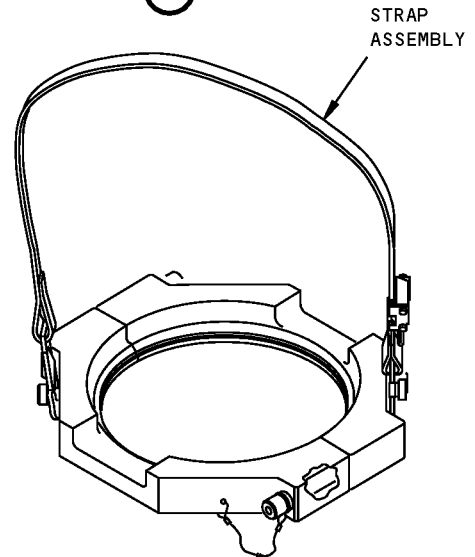
(B)



**RAM ASSEMBLY**

(D)

B32025-75,-78

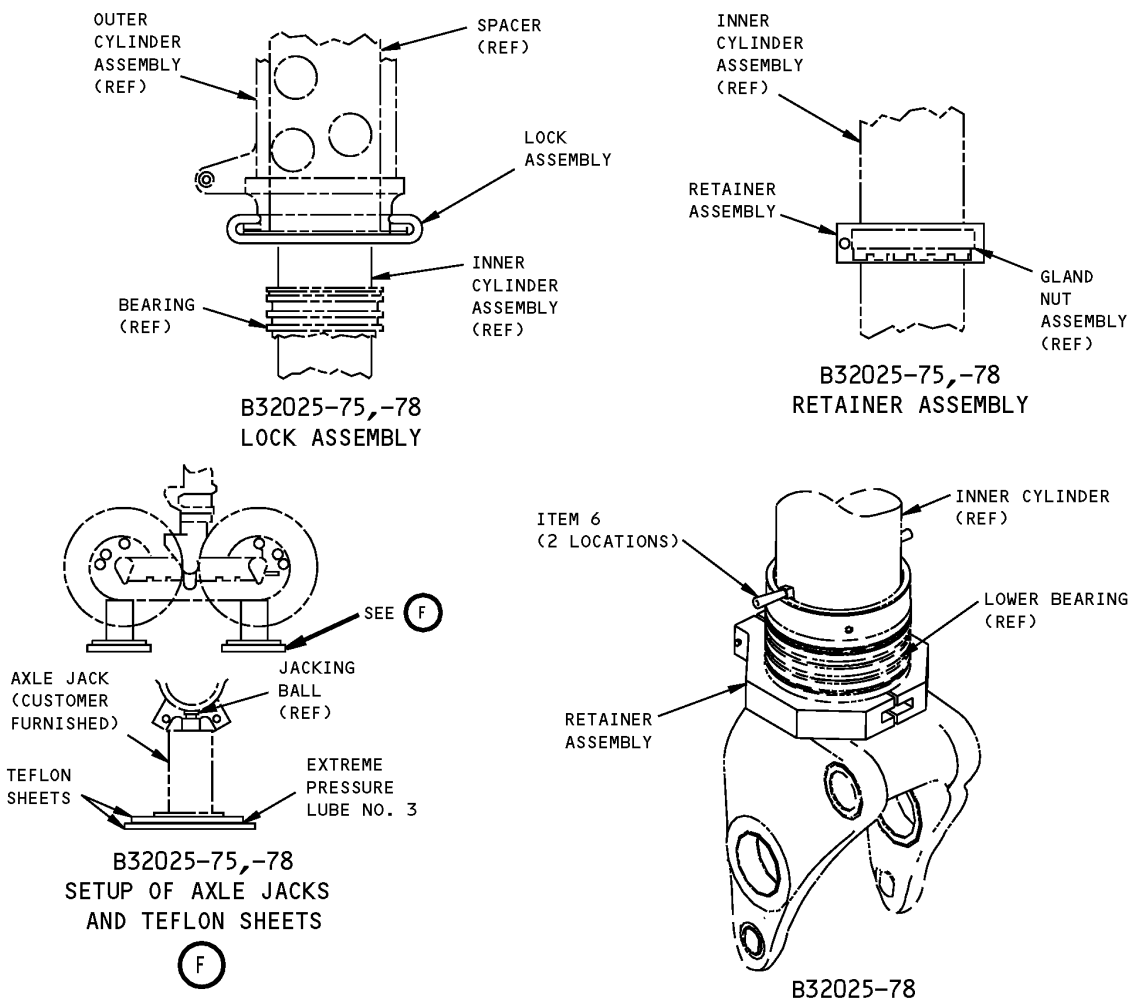


**RING ASSEMBLY**

(E)

**MLG Lower Bearing Seal Retainer Puller Equipment  
Figure 1 (Sheet 3 of 4)**

ILLUSTRATED TOOL AND EQUIPMENT MANUAL



MLG Lower Bearing Seal Retainer Puller Equipment  
Figure 1 (Sheet 4 of 4)

REPAIRABLE/REPLACEABLE PARTS			
ITEM NO.	PART NO.	NOMENCLATURE	VENDOR CODE
1	T-92321	O-RING INSERTER	V13002
2	B32025-10	PIN	
3	B32025-14 <sup>[1]</sup>	STRAP ASSEMBLY	V0KHZ6
4	750669-007 <sup>[1]</sup>	STRAP ASSEMBLY	V0KHZ6
5	B32025-74	KNOB	
6	B32025-80	SEAL INSTALLER ASSEMBLY	

\*[1] B32025-14 IS OPTIONAL TO 750669-007.



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**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

**PART NUMBER: B32029-1**

**NAME:** SUPPORT - TRUNNION LINK, MAIN LANDING GEAR (MLG)

**AIRPLANE MAINTENANCE:** YES

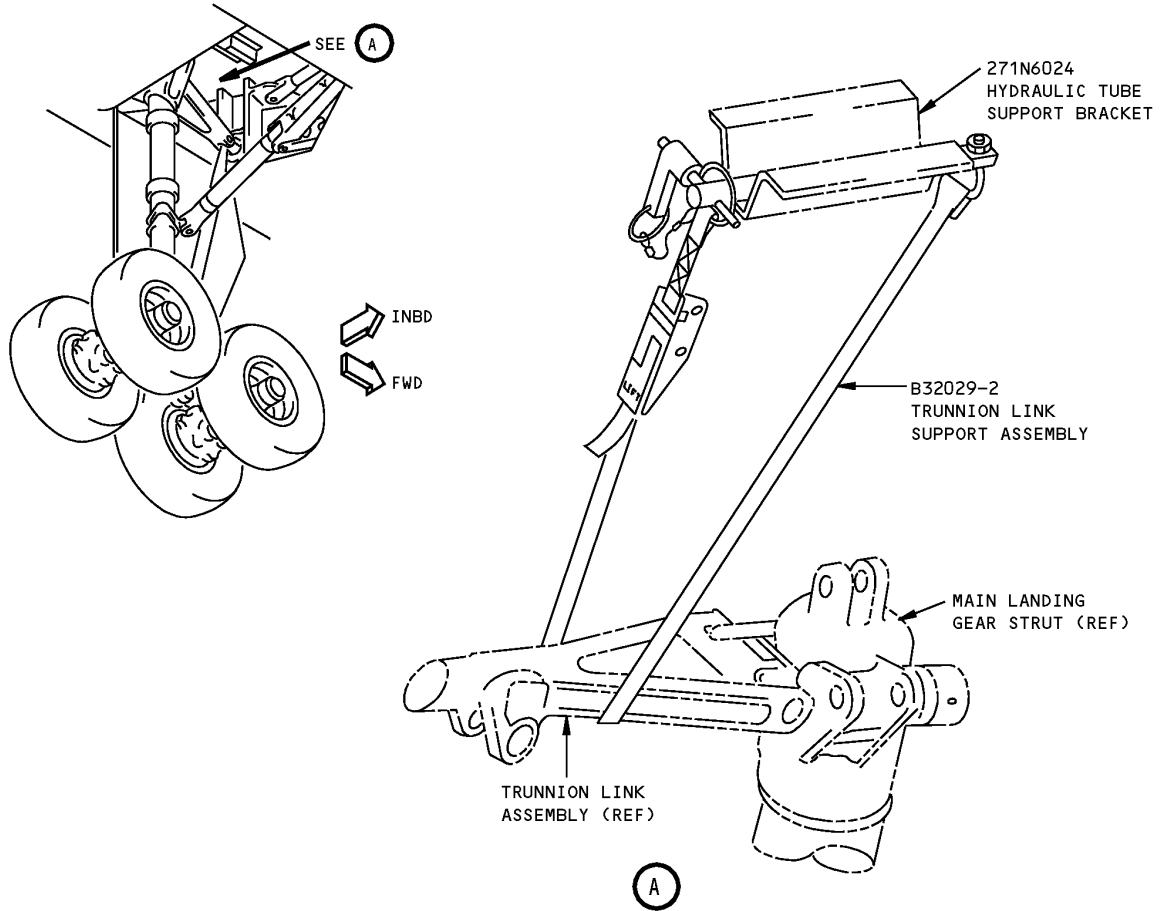
**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The B32029-1 support is used on all 757 airplanes. B32029 is used to position the trunnion link assembly in a slightly raised position during removal and installation of the main landing gear. Refer to AMM 32-11-01 for complete usage instructions. B32029-1 consists of a B32029-2 support assembly contained in a storage box.

**WEIGHT:** 3 lbs (1.4 kg)

**DIMENSIONS:** 3 x 10 x 14 inches (76 x 254 x 356 mm)

**NOTE:** B32029 supersedes B32014.



**MLG Trunnion Link Support  
Figure 1**





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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32043-1**

**NAME:** HANDLING EQUIPMENT - MAIN LANDING GEAR (MLG) DOOR AND AIR CONDITIONING DOOR

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The B32043-1 handling equipment is used on all 757 airplanes. B32043-1 includes two lifting accessories (the B32043-2 support assembly and the B32043-9 bar assembly) for use with the A71015 lift fixture.

The B32043-2 support assembly is used with the A71015 lift fixture to remove and install the main landing gear doors. Refer to the current B32043 drawing and AMM 32-12-01 for complete usage instructions.

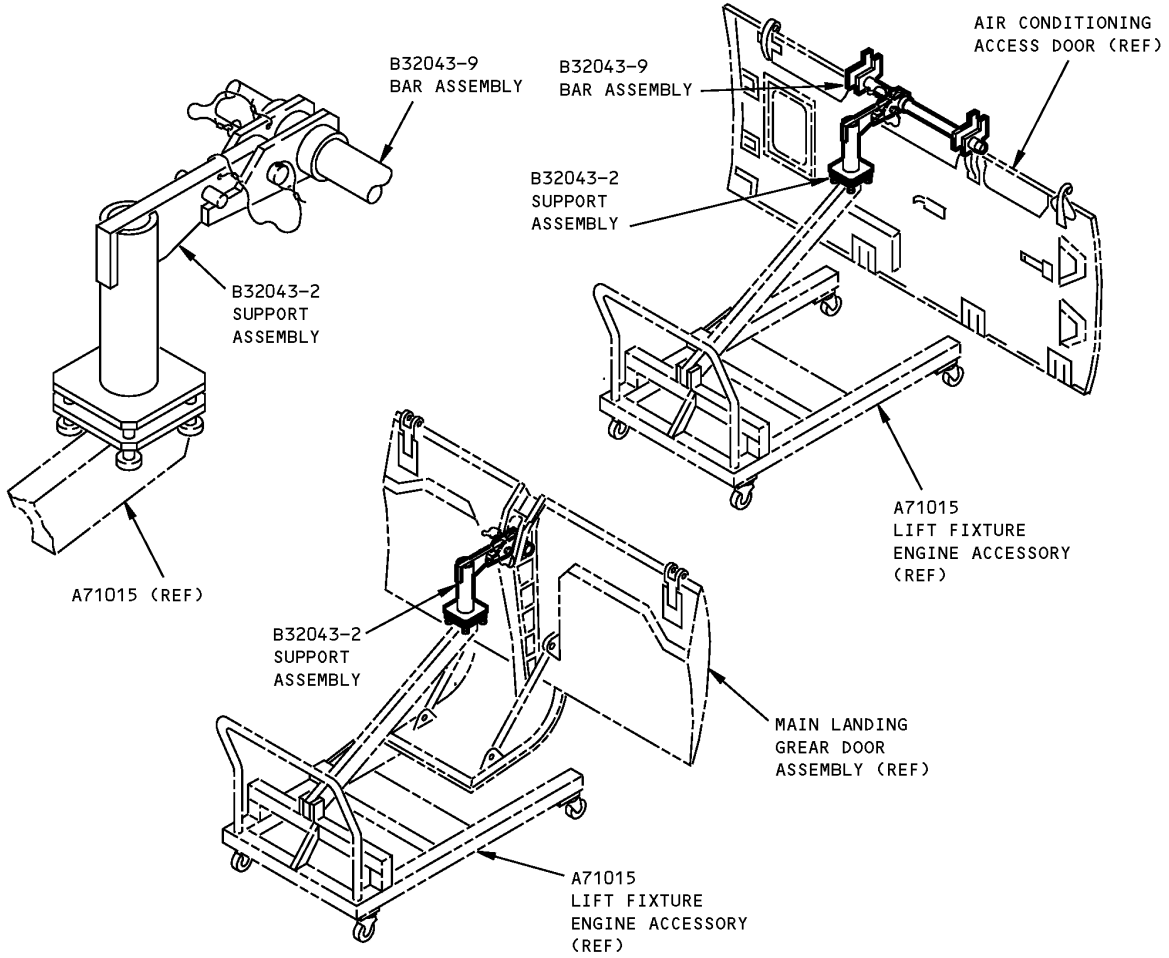
The B32043-9 bar assembly is used with the B32043-2 support assembly and the A71015 lift fixture to remove and install the air conditioning door. Refer to the current B32043 drawing and AMM 52-48-03 for complete usage instructions.

B32043-1 consists of a B32043-2 support assembly and a B32043-9 bar assembly, both contained in a storage box.

**WEIGHT:** 37 lbs (17 kg)

**DIMENSIONS:** 10 x 14 x 50 inches (254 x 356 x 1270 mm)

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**MLG Door And Air Conditioning Door Handling Equipment  
Figure 1**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32044-12**

**NAME:** PULLER EQUIPMENT - STRUCTURAL FUSE PIN, MAIN LANDING GEAR (MLG)

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The B32044-1 puller equipment is used on all 757 airplanes. B32044 is used for removal of the forward trunnion structural fuse pin. Refer to AMM 32-11-01 for complete usage instructions. B32044-1 consists of:

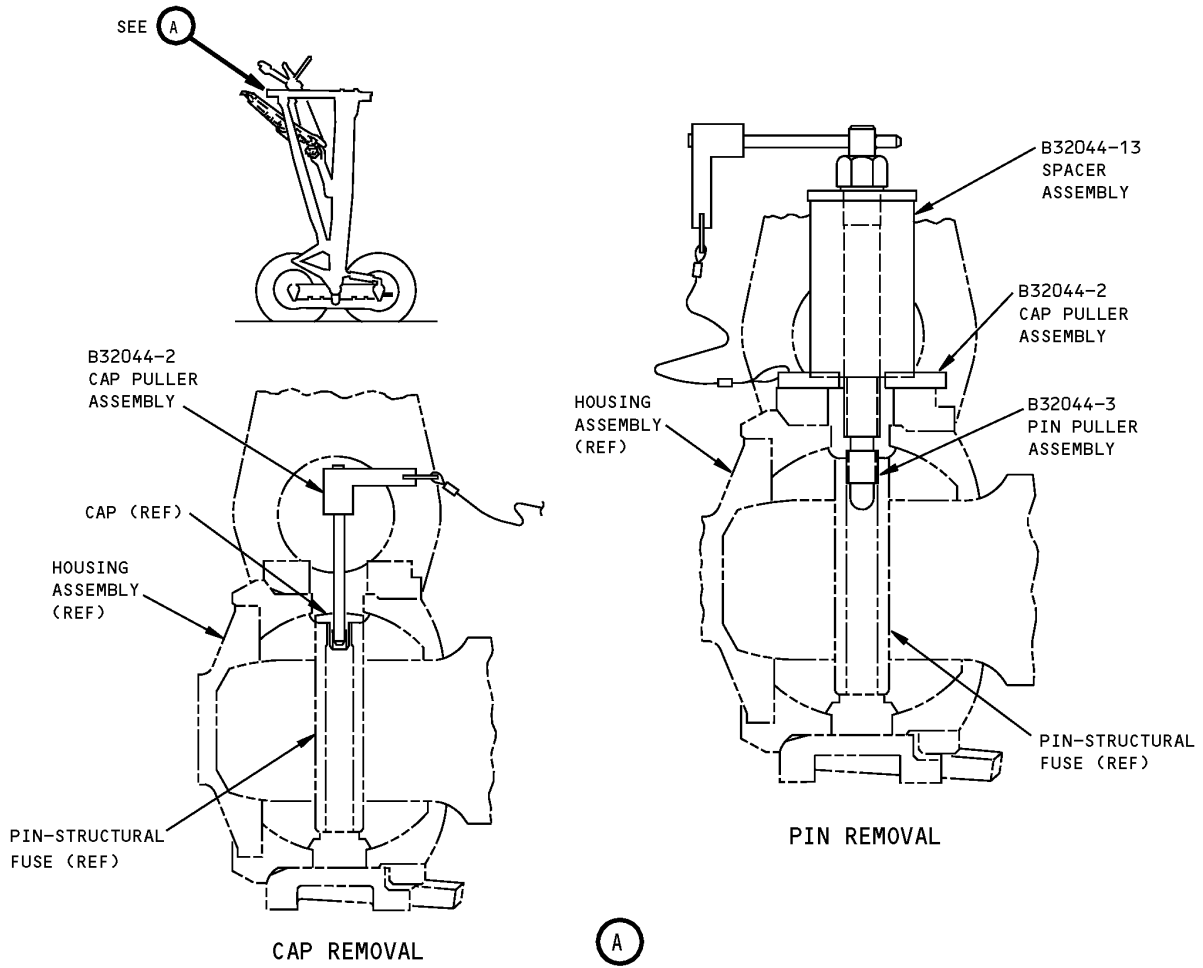
<b>B32044-1</b>		
<b>QUANTITY</b>	<b>NOMENCLATURE</b>	<b>PART NUMBER</b>
1	CAP PULLER ASSEMBLY	B32044-2
1	PIN PULLER ASSEMBLY	B32044-3
1	SPACER ASSEMBLY	B32044-13
1	STORAGE BOX	

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

**DIMENSIONS:** 5 x 14 x 18 inches (127 x 356 x 457 mm)

**NOTE:** B32044-12 supersedes B32044-1.

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**B32044-12 puller equipment  
Figure 1**

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

**PART NUMBER: B32046-1**

**NAME:** ALIGNMENT PIN - MAIN LANDING GEAR (MLG) AXLE AND TOW FITTING

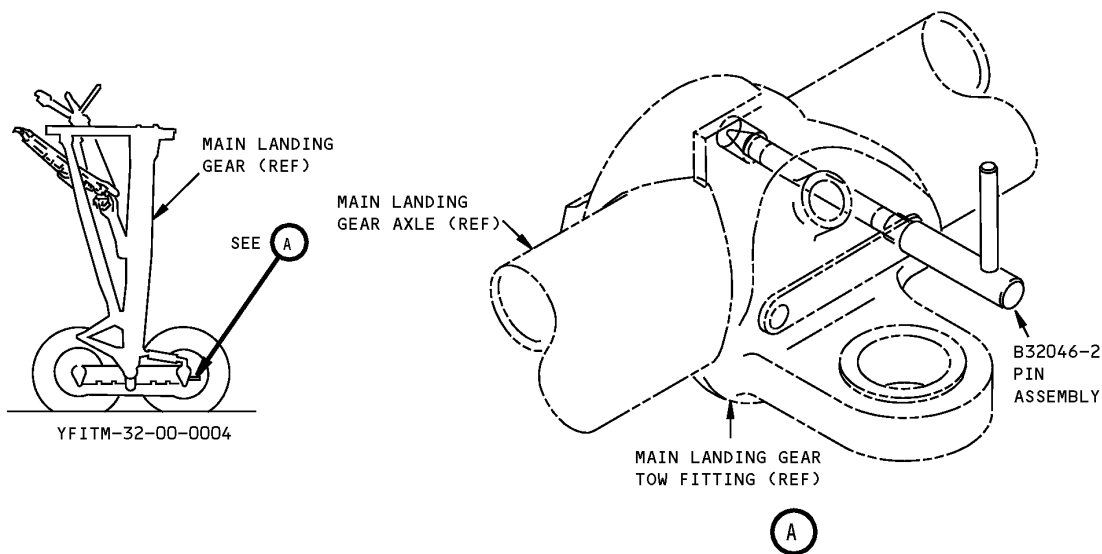
**AIRPLANE MAINTENANCE:** NO

**COMPONENT MAINTENANCE:** YES

**USAGE & DESCRIPTION:** The B32046-1 alignment pin is used during component maintenance on all 757 airplanes. B32046 is used to align holes in the tow fitting with holes in the axle during assembly. Refer to CMM 32-11-56 for complete usage instructions. B32046-1 consists of a B32046-2 pin assembly contained in a storage box.

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

**DIMENSIONS:** 1 x 4 x 10 inches (25 x 102 x 254 mm)



**MLG Axle And Tow Fitting Alignment Pin  
Figure 1**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32048-1**

**NAME:** EQUIPMENT - SHOCK STRUT BUILDUP, MAIN LANDING GEAR (MLG)

**AIRPLANE MAINTENANCE:** NO

**COMPONENT MAINTENANCE:** YES

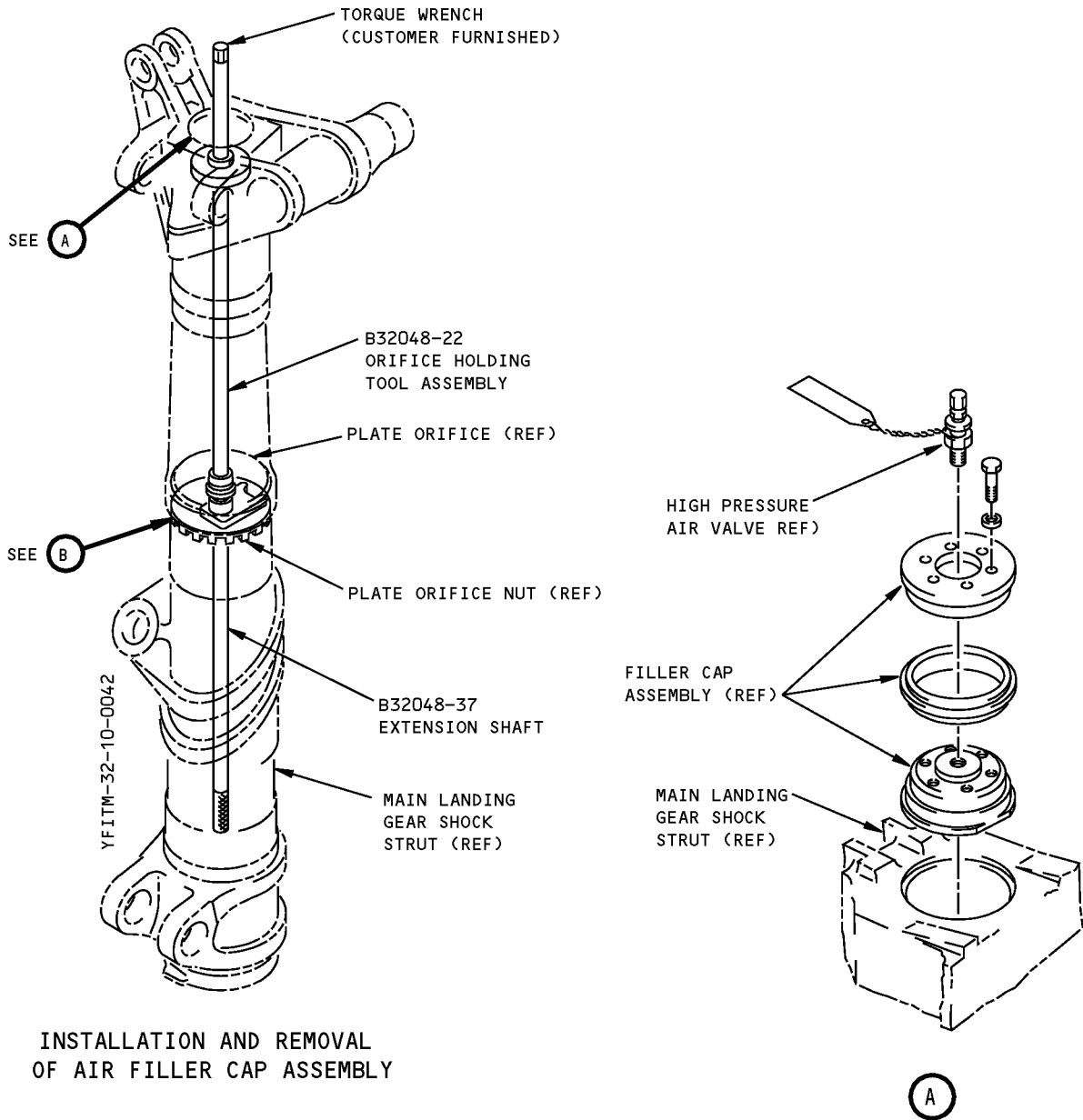
**USAGE & DESCRIPTION:** The B32048-1 equipment is used during component maintenance on all 757 airplanes. B32048 is used to assemble or disassemble the main landing gear shock strut. Refer to CMM 32-11-95 for complete usage instructions.

<b>B32048-1</b>		
<b>QUANTITY</b>	<b>NOMENCLATURE</b>	<b>PART NUMBER</b>
1	SWIVEL ROD ASSEMBLY	B32048-2
1	LUG SPANNER ASSEMBLY	B32048-9
1	SUPPORT FILLER CAP ASSEMBLY	B32048-18
1	ORIFICE HOLDER ASSEMBLY	B32048-22
1	SOCKET DRIVE EXTENSION ASSEMBLY	B32048-33
1	EXTENSION SHAFT	B32048-37
1	CENTERING TOOL ASSEMBLY	B32048-29
1	STORAGE BOX	

**WEIGHT:** 51 lbs (23 kg)

**DIMENSIONS:** 12 x 30 x 76 inches (305 x 762 x 1930 mm)

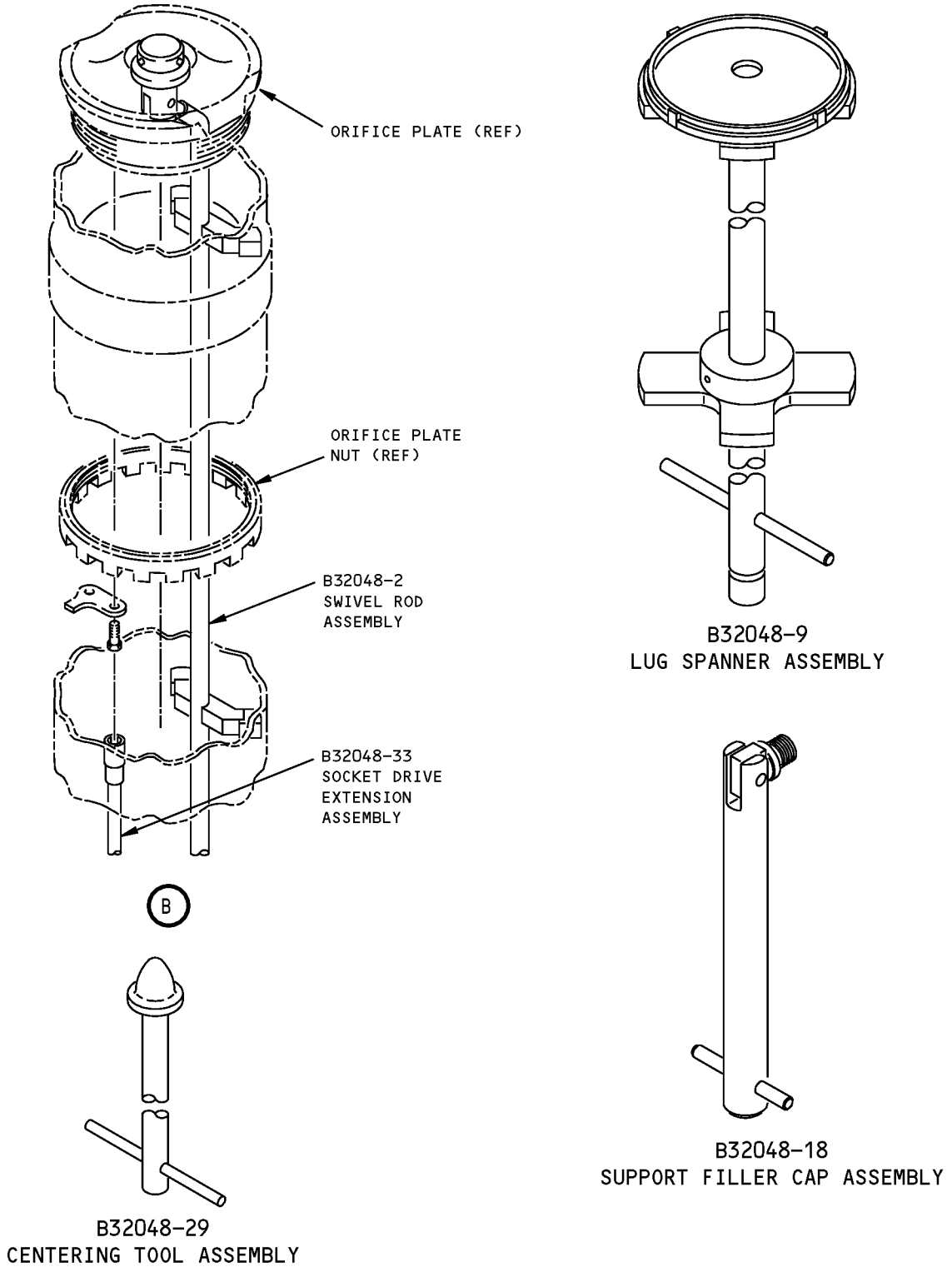
**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**INSTALLATION AND REMOVAL  
OF AIR FILLER CAP ASSEMBLY**

**MLG Shock Strut Buildup Equipment  
Figure 1 (Sheet 1 of 2)**

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**MLG Shock Strut Buildup Equipment  
Figure 1 (Sheet 2 of 2)**





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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32050-1, -50**

**NAME:** ASSEMBLY FIXTURE - MAIN LANDING GEAR (MLG)

**AIRPLANE MAINTENANCE:** NO

**COMPONENT MAINTENANCE:** YES

**USAGE & DESCRIPTION:** The B32050-1 or -50 (preferred) assembly fixture is used during component maintenance on all 757 airplanes. B32050 is used to support the main landing gear in the vertical position for removal or installation of gear buildup components. Refer to CMM 32-11-23, CMM 32-11-26, CMM 32-11-32 and CMM 32-11-95 for complete usage instructions. B32050-50 consists of:

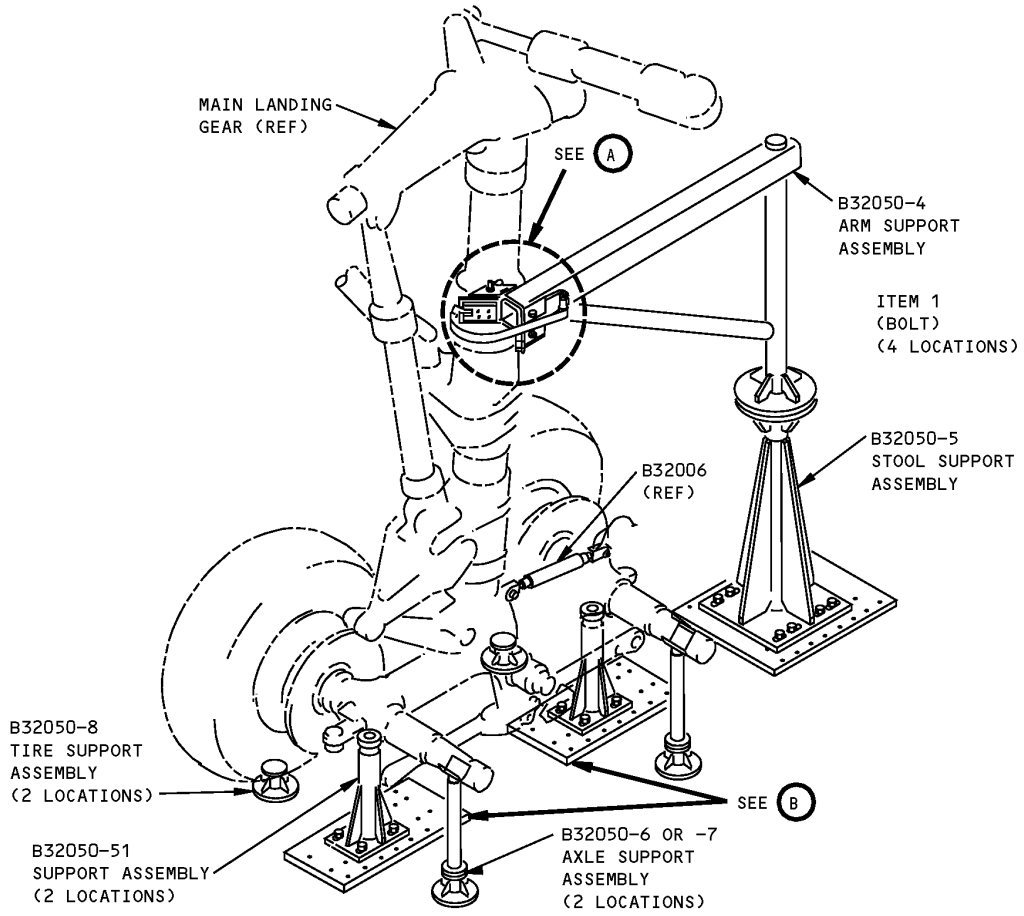
B32050-50		
QUANTITY	NOMENCLATURE	PART NUMBER
2	SUPPORT ASSEMBLY	B32050-51
2	AXLE SUPPORT ASSEMBLY	B32050-6
2	AXLE SUPPORT ASSEMBLY	B32050-7
2	TIRE SUPPORT ASSEMBLY	B32050-8
2	SOCKET	B32050-53
16	BOLT	AN12-16A
16	WASHER	AN960-1216
1	ARM SUPPORT ASSEMBLY	B32050-4
1	STOOL SUPPORT ASSEMBLY	B32050-5
2	BASE PLATE	B32050-52
1	BASE PLATE	B32050-24
4	BOLT	B32050-59
1	STORAGE BOX	

**WEIGHT:** 900 lbs (408 kg)

**DIMENSIONS:** 15 x 129 x 133 inches (381 x 3277 x 3378 mm)

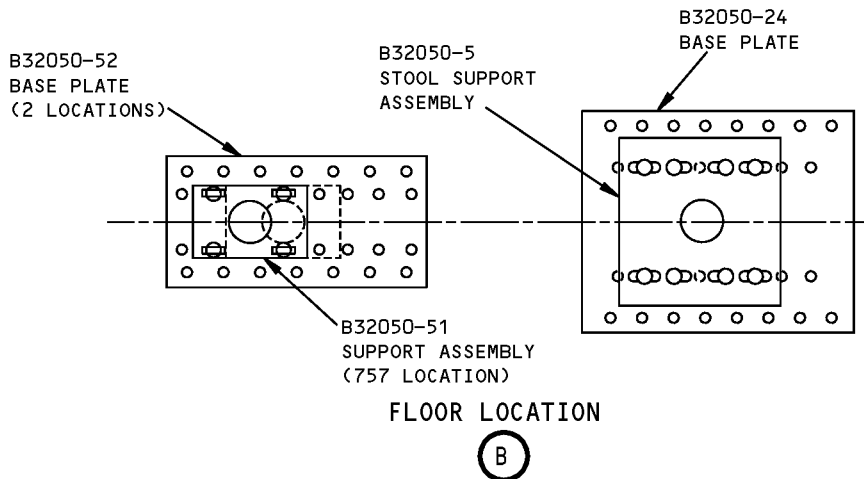
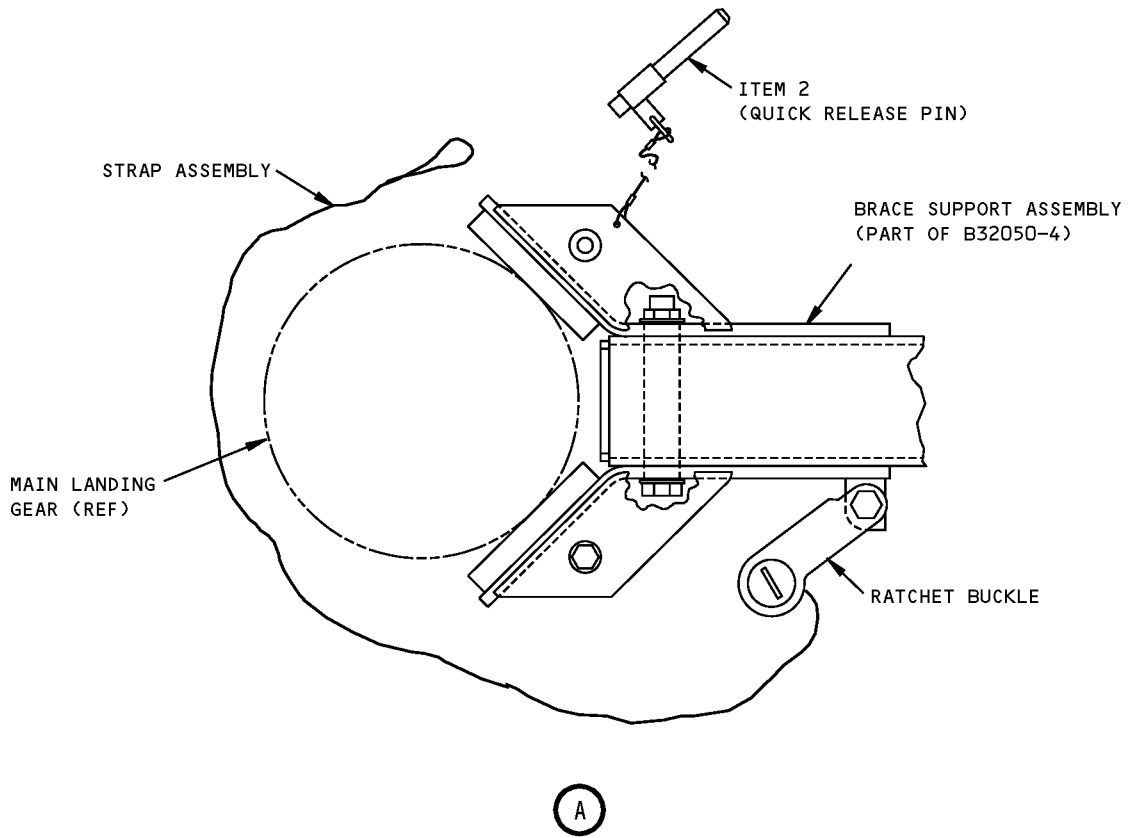
**NOTE:** B32050-50 replaces B32050-1 and A32056-1 for future procurement.

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**MLG Assembly Fixture  
Figure 1 (Sheet 1 of 2)**

**757  
ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**MLG Assembly Fixture  
Figure 1 (Sheet 2 of 2)**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

REPAIRABLE/REPLACEABLE PARTS			
ITEM NO.	PART NO.	NOMENCLATURE	VENDOR CODE
1	AN6-13A <sup>*[1]</sup>	BOLT	
1	B32050-59 <sup>*[2]</sup>	BOLT	
2	NAS1338C5C45D	QUICK RELEASE PIN	

\*[1] AN6-13A IS USED FOR B32050-1

\*[2] B32050-59 IS USED FOR B32050-50



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32055-1**

**NAME:** INSTALLATION EQUIPMENT - GLAND NUT, SHOCK STRUT, MAIN LANDING GEAR

**AIRPLANE MAINTENANCE:** NO

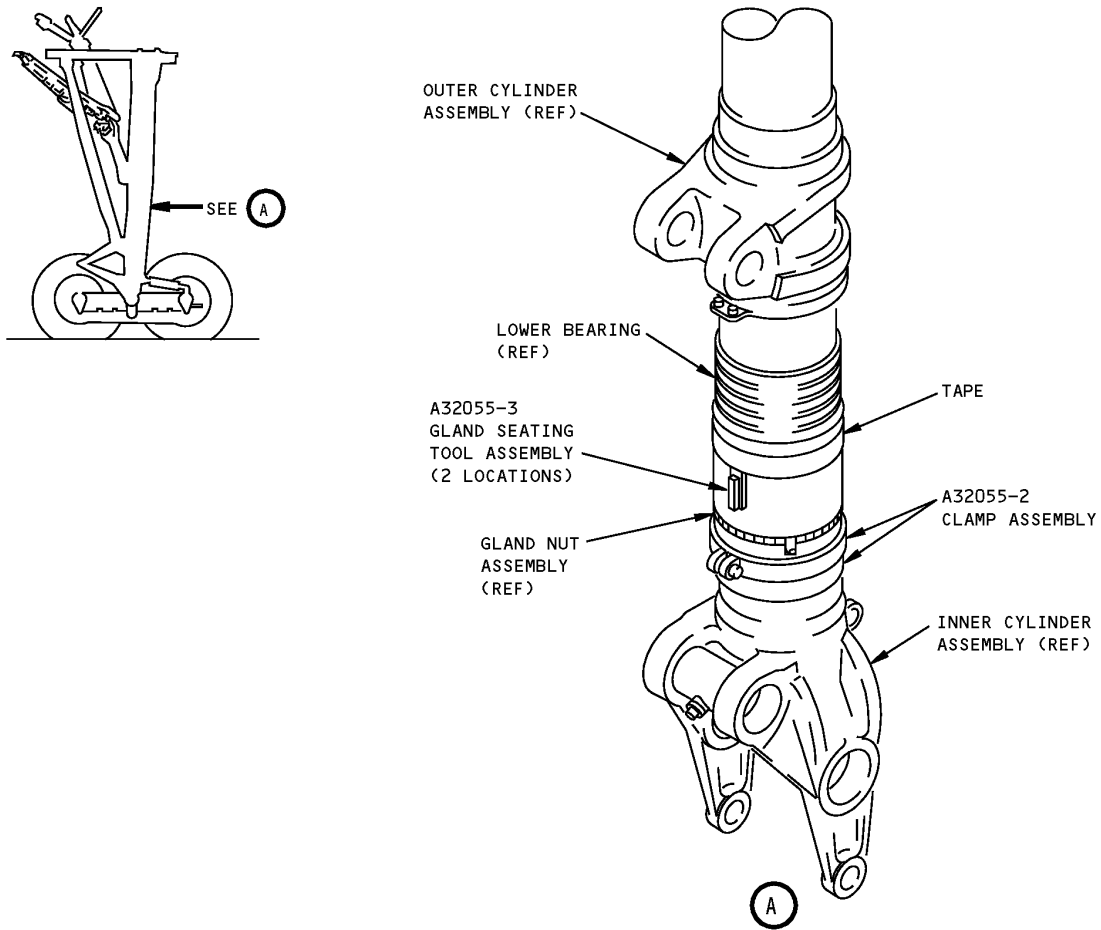
**COMPONENT MAINTENANCE:** YES

**USAGE & DESCRIPTION:** The B32055-1 installation equipment is used during component maintenance on all 757 airplanes. B32055 is used to maintain the position of the gland nut and lower bearing during main landing gear assembly while being rotated from horizontal to vertical position. Refer to CMM 32-11-95 for complete usage instructions. B32055-1 consists of a B32055-2 clamp assembly and two B32055-3 gland seating tool assemblies, all contained in a storage box.

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

**DIMENSIONS:** 6 x 12 x 12 inches (152 x 305 x 305 mm)

**757**  
**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Main Landing Gear Shock Strut, Gland Nut, Installation Equipment**  
**Figure 1**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32065-1**

**NAME:** TEST FIXTURE - MAIN LANDING GEAR DOWNLOCK ACTUATOR

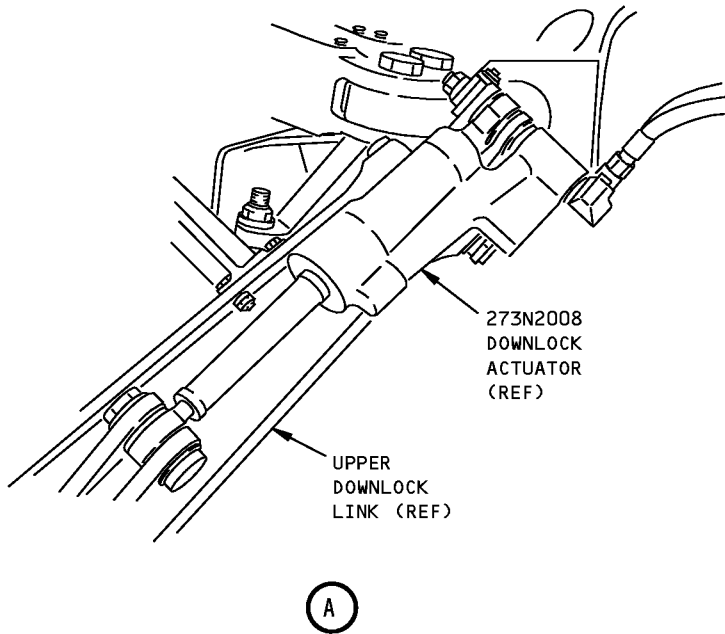
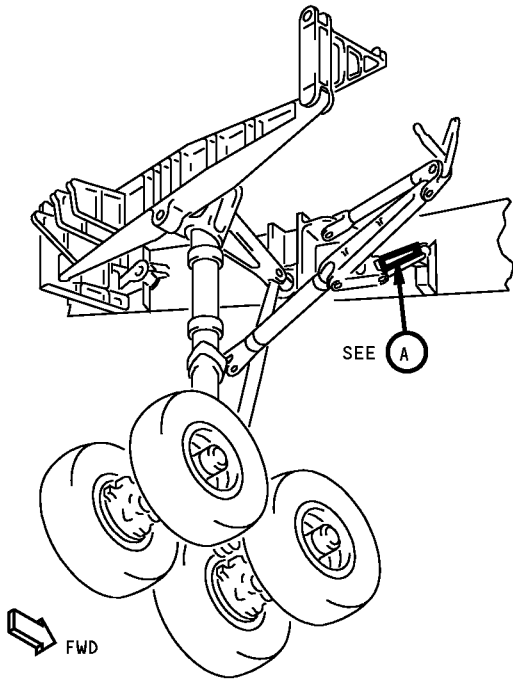
**AIRPLANE MAINTENANCE:** NO

**COMPONENT MAINTENANCE:** YES

**USAGE & DESCRIPTION:** The B32065-1 test fixture is used during component maintenance on all 757 airplanes. B32065 is used to hold the 273N2008 downlock actuator during testing and assembly. Refer to CMM 32-32-18 for complete usage instructions. B32065-1 consists of a B32065-4 fixture assembly contained in a storage box.

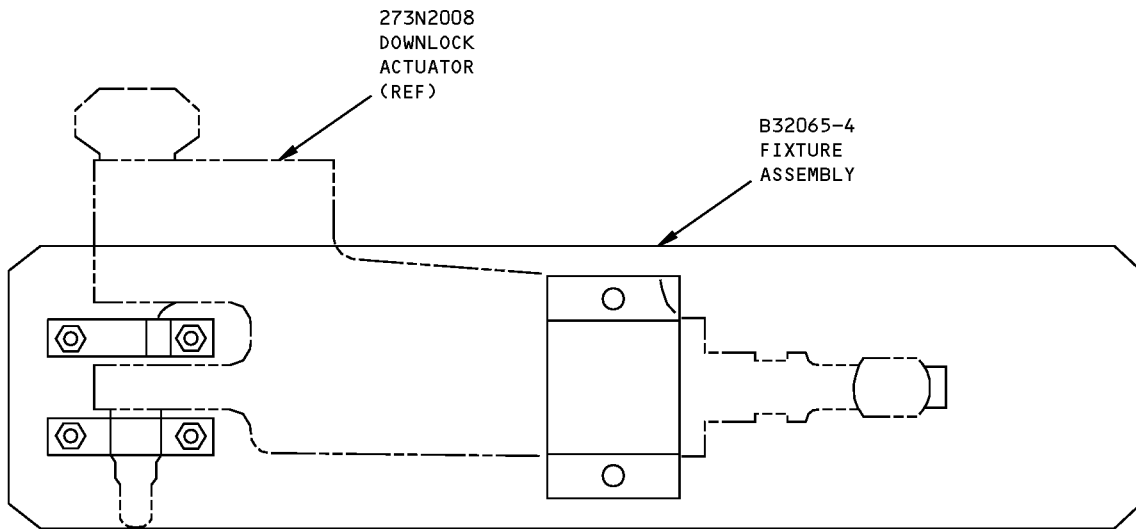
**WEIGHT:** 5 lbs (2.3 kg)

**DIMENSIONS:** 4 x 4 x 16 inches (102 x 102 x 406 mm)



**Main Landing Gear Downlock Actuator Test Fixture  
Figure 1 (Sheet 1 of 2)**





**Main Landing Gear Downlock Actuator Test Fixture  
Figure 1 (Sheet 2 of 2)**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32068-1, -33**

**NAME:** SLING - MAIN LANDING GEAR HANDLING

**AIRPLANE MAINTENANCE:** NO

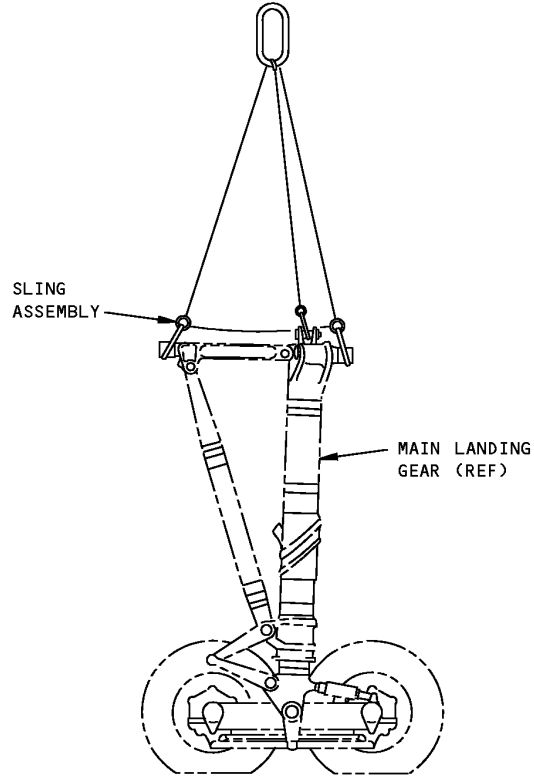
**COMPONENT MAINTENANCE:** YES

**USAGE & DESCRIPTION:** The B32068-1 or -33 (preferred) sling is used during component maintenance on all 757 airplanes. B32068 is used with a customer-furnished overhead lift to assist in moving the main landing gear in or out of the installation dolly or buildup stand. Refer to the current B32068 drawing for complete usage instructions. The B32068-1 consists of a B32068-2 sling assembly contained in a storage box. The B32068-33 consists of a B32068-34 sling assembly contained in a storage box.

**WEIGHT:** 100 lbs (45 kg)

**DIMENSIONS:** 24 x 24 x 24 inches (610 x 610 x 610 mm)

**NOTE:** B32068-33 replaces B32068-1 for future procurement.



**Main Landing Gear Handling Sling  
Figure 1**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32028-1, -21**

**NAME:** LOCK EQUIPMENT - SHOCK STRUT, MAIN LANDING GEAR (MLG)

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** YES

**USAGE & DESCRIPTION:** The B32028-1 lock equipment is used on 757-200 airplanes. The B32028-1 lock equipment contains a B32028-2 lock assembly.

The B32028-21 lock equipment is used on 757-300 airplanes. The B32028-21 lock equipment contains a B32028-22 lock assembly

The B32028 lock equipment is used to lock the main landing gear shock strut in a compressed position. Each of B32028-2 and B32028-22 lock assemblies consists of two lock half assemblies. The lock half assemblies are installed inside the inner and outer cylinder torsion link pins and holds the shock strut in a compressed position during gear maintenance. Refer to AMM 07-11-01, AMM 32-11-17, AMM 32-11-24, AMM 32-1125, CMM 32-11-23 and CMM 32-11-26 for complete usage instructions.

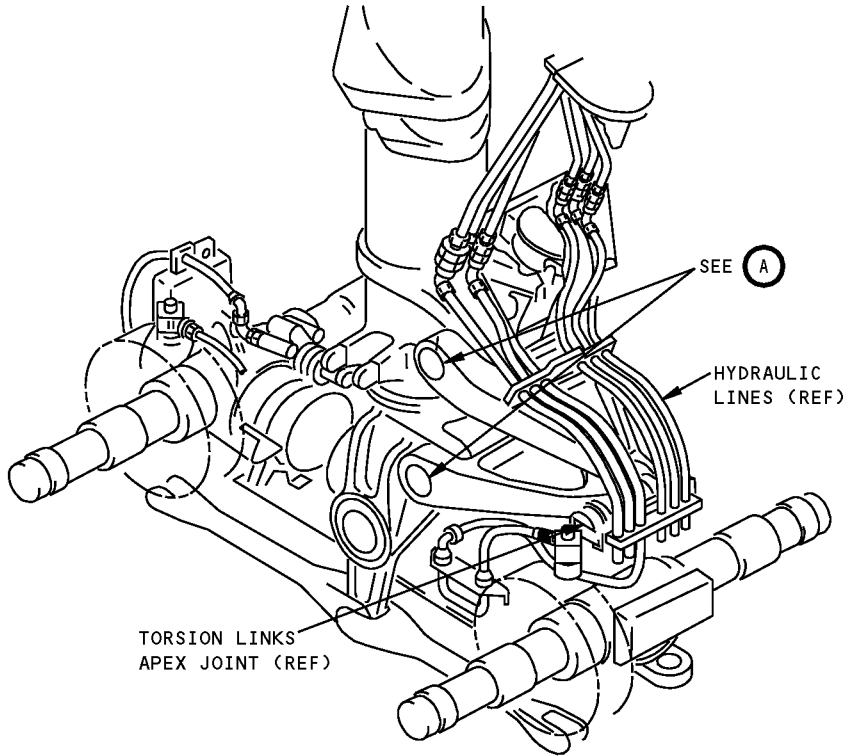
B32028-1 consists of a B32028-2 lock assembly contained in a storage box.

B32028-21 consists of a B32028-22 lock assembly contained in a storage box.

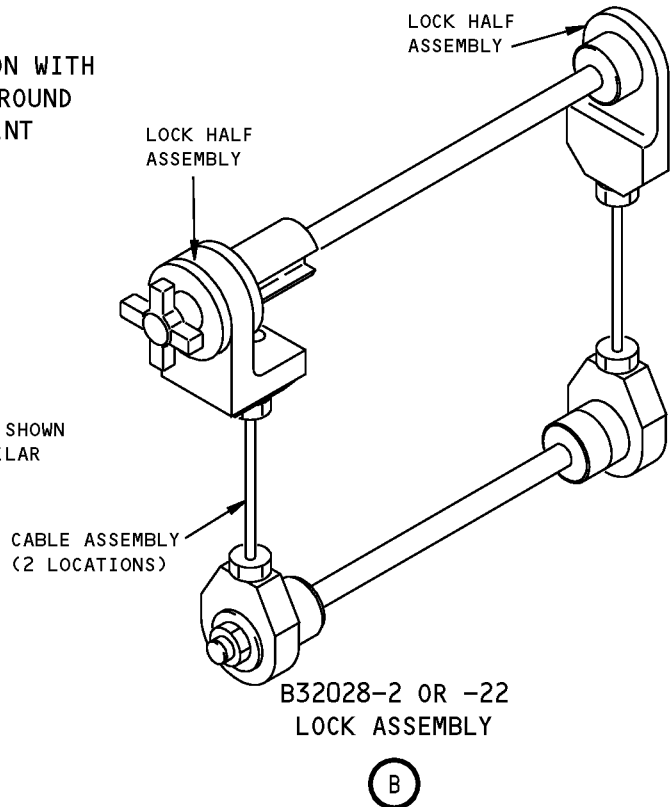
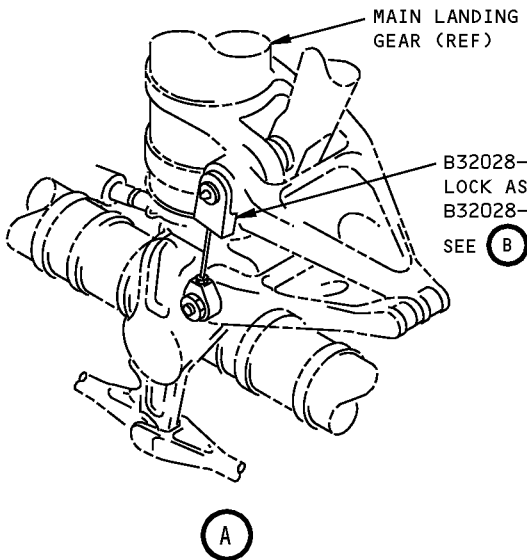
**WEIGHT:** 25 lbs (11 kg)

**DIMENSIONS:** 6 x 16 x 20 inches (152 x 406 x 508 mm)

**757  
ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**HYDRAULIC LINE INSTALLATION WITH  
HYDRAULIC HOSES ROUTED AROUND  
TORSION LINKS APEX JOINT**



**MLG Shock Strut Lock Equipment  
Figure 1**



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**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

**PART NUMBER: B57005-1 WAS MOVED TO 57-50-04**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: J32060-1**

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

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

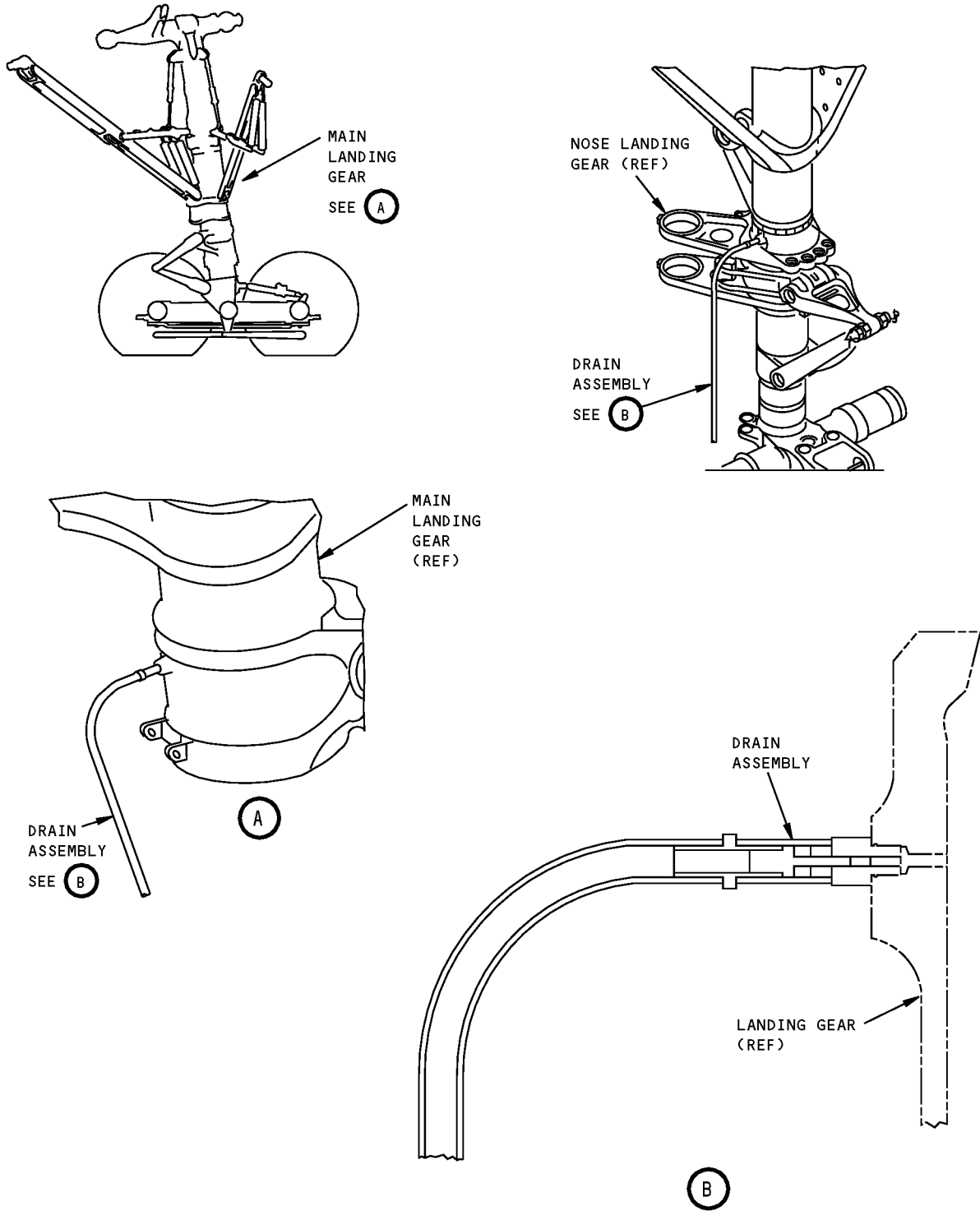
**USAGE & DESCRIPTION:** The J32060-1 drain equipment is used on all 757 airplanes. J32060 is used to hold the oil fill valve open to drain oil from the main or nose landing gear. J32060 is used only on a completely unpressurized (nitrogen gas discharged) strut. Refer to the current J32060 drawing, AMM 12-15-01, AMM 32-11-24 and AMM 32-11-25 for reference information. J32060-1 consists of a J32060-2 drain assembly contained in a storage box.

**WEIGHT:** 3 lbs (1.4 kg)

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

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

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Main Landing Gear/Nose Landing Gear Oleo Strut Drain Equipment  
Figure 1**





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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32002-1**

**NAME:** EXTENDER - DOWNLOCK SPRING, MAIN LANDING GEAR AND NOSE LANDING GEAR (MLG AND NLG)

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** YES

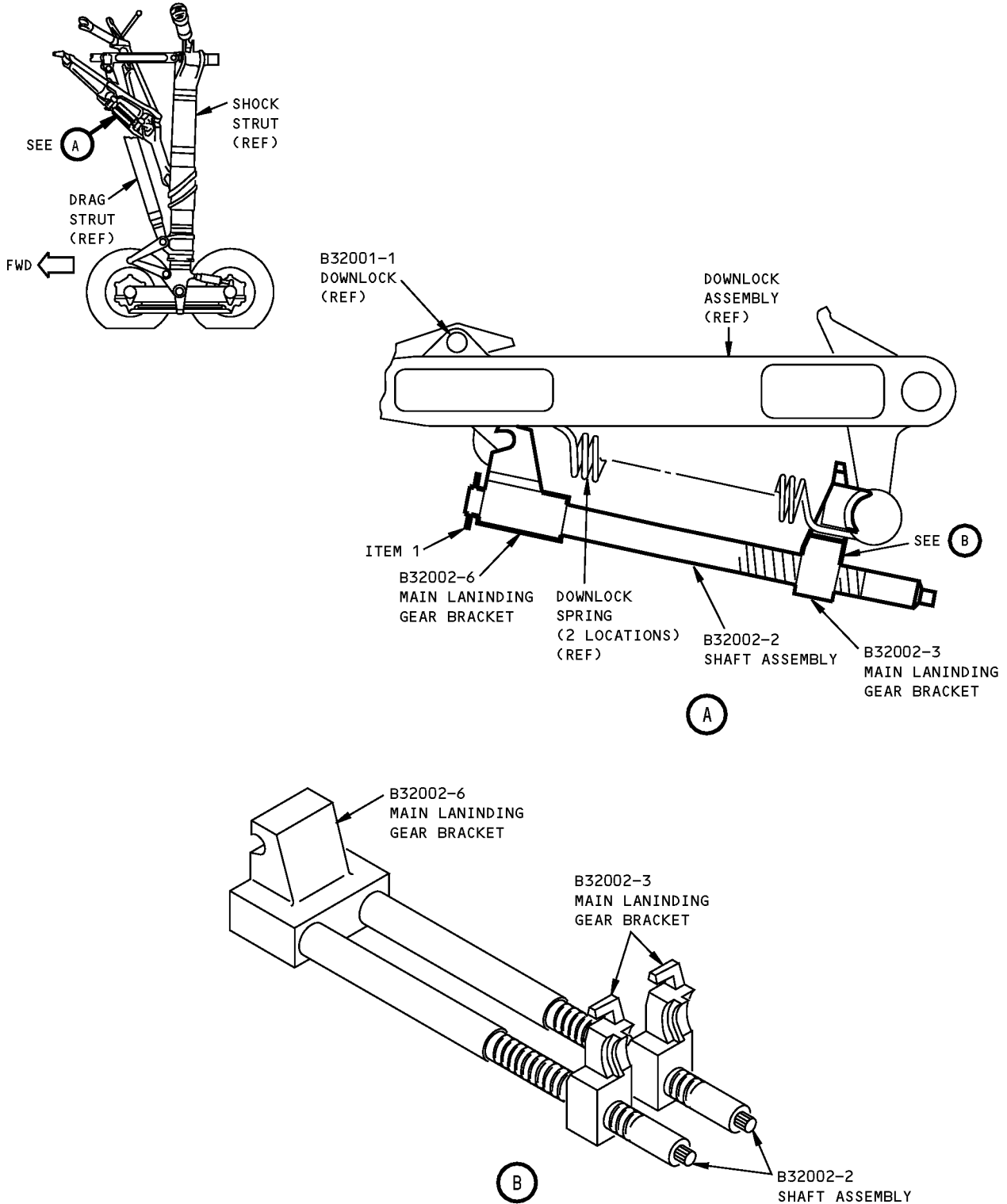
**USAGE & DESCRIPTION:** The B32002-1 extender is used on all 757 airplanes. B32002 contains two similar subassemblies that are used to remove or install the downlock spring in the main or nose landing gear. Before using B32002, the downlock assembly of the main or nose landing gear must be secured with a B32001 downlock. Refer to the current B32002 drawing, AMM 32-11-22, AMM 32-21-15 and CMM 32-21-64 for complete usage instructions. B32002-1 consists of:

<b>B32002-1</b>		
<b>QUANTITY</b>	<b>NOMENCLATURE</b>	<b>PART NUMBER</b>
2	SHAFT ASSEMBLY	B32002-2
2	MAIN LANDING GEAR BRACKET	B32002-3
1	NOSE LANDING GEAR BRACKET	B32002-4
1	NOSE LANDING GEAR BRACKET	B32002-5
1	MAIN LANDING GEAR BRACKET	B32002-6
1	SHAFT	B32002-9
1	STORAGE BOX	

**WEIGHT:** 20 lbs (9 kg)

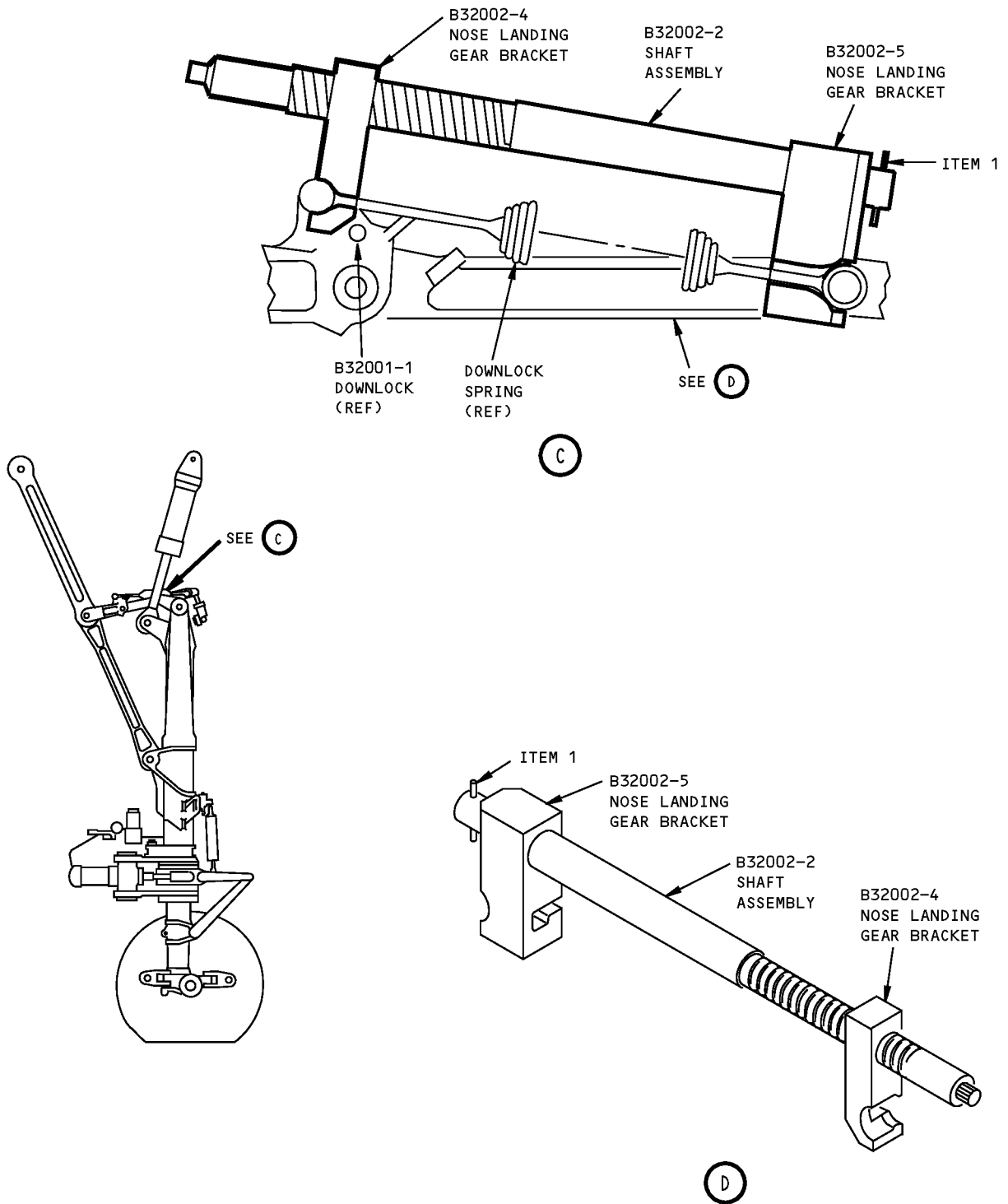
**DIMENSIONS:** 6 x 9 x 30 inches (152 x 229 x 762 mm)

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**MLG and NLG Downlock Spring Extender**  
**Figure 1 (Sheet 1 of 2)**

**757**  
**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**MLG and NLG Downlock Spring Extender**  
**Figure 1 (Sheet 2 of 2)**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32003-1**

**NAME:** PIN PULLER - TRUNNION, NOSE LANDING GEAR (NLG)

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

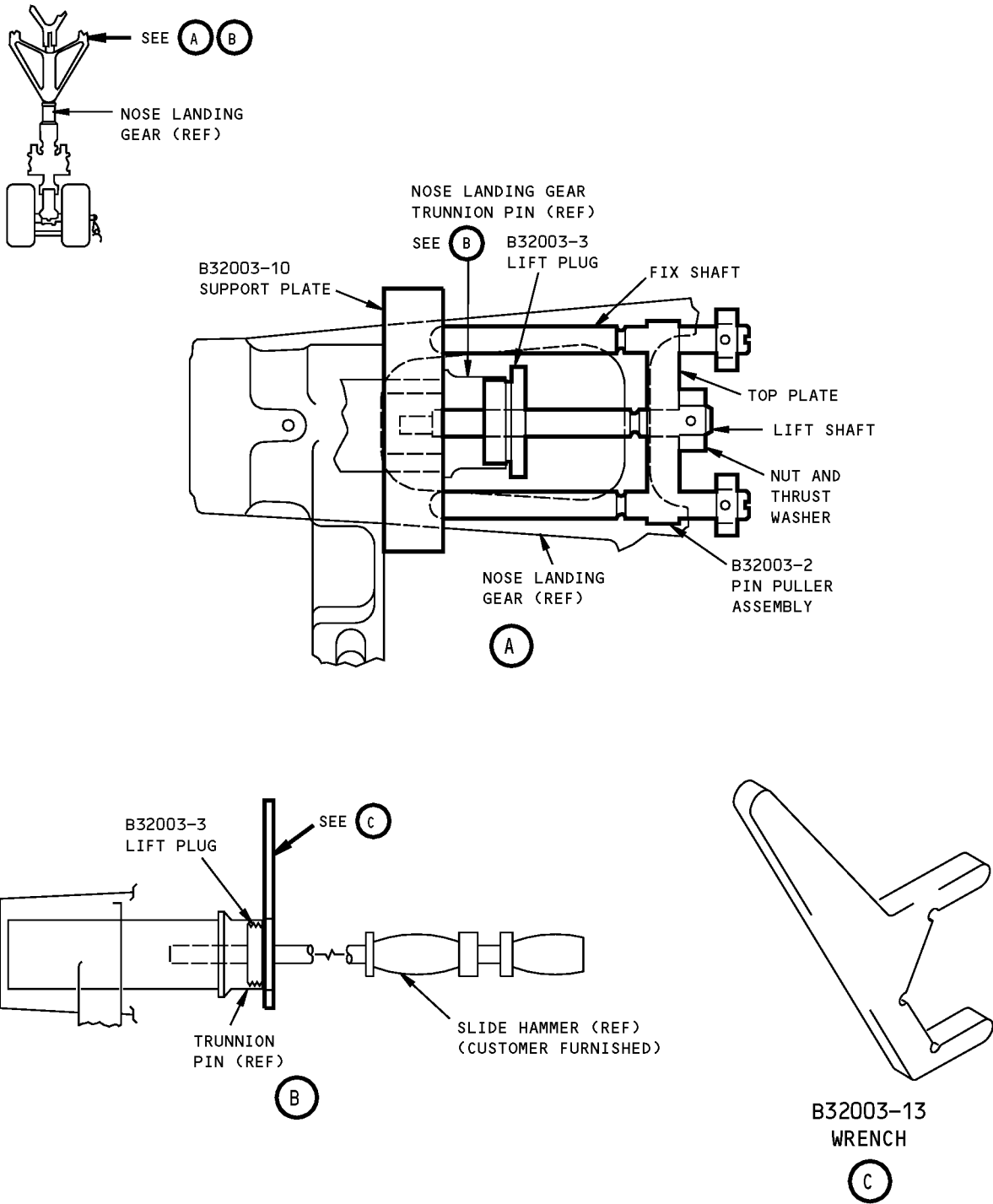
**USAGE & DESCRIPTION:** B32003-1 pin puller is used on all 757 airplanes. The B32003 pin puller tools are used in conjunction with a customer-furnished slide hammer to remove the trunnion pins on the nose landing gear. B32003 includes a lift plug and screw-operated pin puller to free the trunnion pins. Refer to AMM 32-21-01 and AMM 32-21-12 for complete usage instructions. B32003-1 consists of:

B32003-1		
QUANTITY	NOMENCLATURE	PART NUMBER
1	PIN PULLER ASSEMBLY	B32003-2
1	LIFT PLUG	B32003-3
1	SUPPORT PLATE	B32003-10
1	WRENCH	B32003-13
1	STORAGE BOX	

**WEIGHT:** 12 lbs (5.4 kg)

**DIMENSIONS:** 6 x 6 x 10 inches (152 x 152 x 254 mm)

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**NLG Trunnion Pin Puller  
Figure 1**



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**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

**PART NUMBER: B32004-1**

**NAME:** HOIST ADAPTER - DRAG STRUT, NOSE LANDING GEAR (NLG)

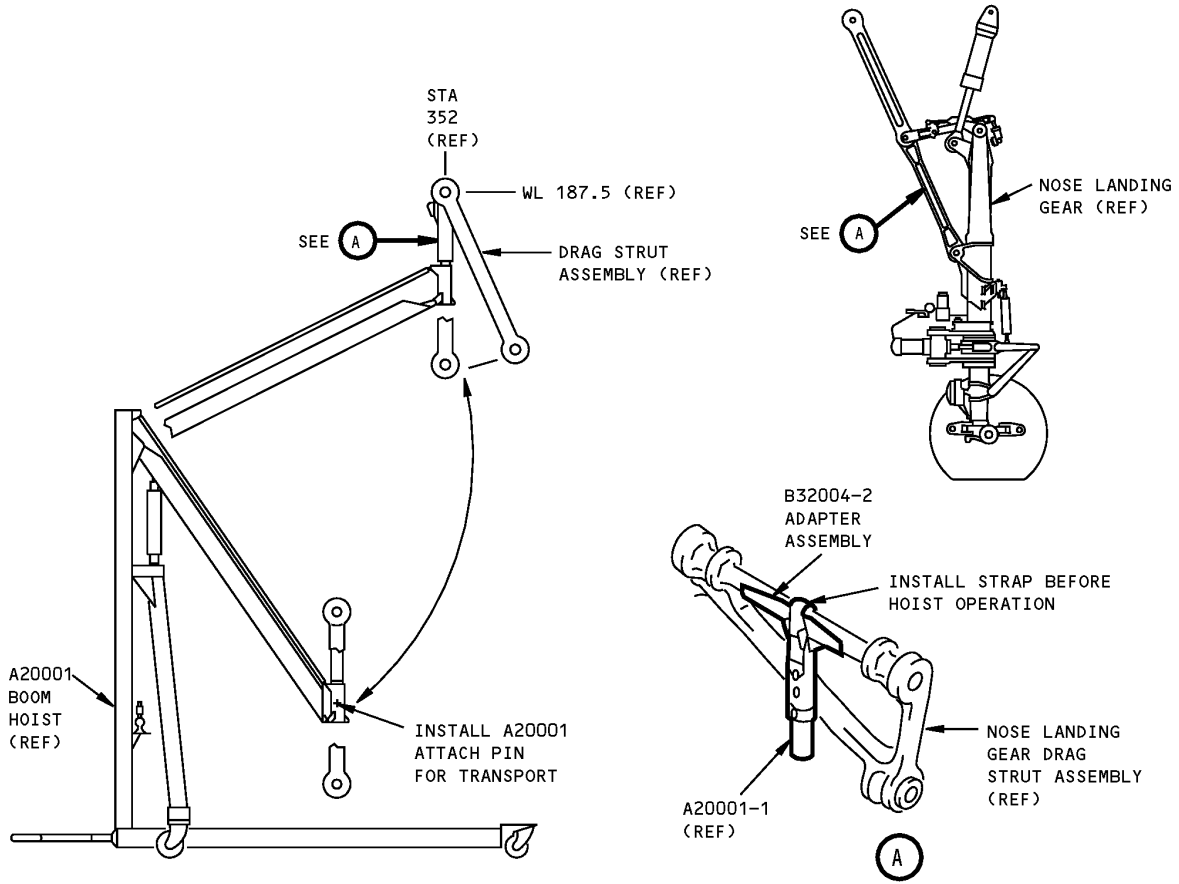
**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The B32004-1 hoist adapter is used on all 757 airplanes. B32004 is used with the A20001 boom hoist to secure the nose landing gear upper drag strut assembly for removal or installation. Refer to AMM 32-21-03 and AMM 32-21-04 for complete usage instructions. B32004-1 consists of a B32004-2 adapter assembly contained in a storage box.

**WEIGHT:** 26 lbs (18 kg)

**DIMENSIONS:** 5 x 17 x 24 inches (127 x 432 x 610 mm)



**NLG Drag Strut Hoist Adapter  
Figure 1**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: A32038-23**

**NAME:** TRANSPORTATION DOLLY - NOSE LANDING GEAR (NLG), 757 AND 767

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The A32038-23 transportation dolly is used on all 757 airplanes. A32038-23 (757 and 767 use) is a modified A32038-1 (767 only use). A32038 is used to transport the 757 nose landing gear during removal or installation. A32038 is used with the B32003 trunnion pin puller and the B32005 overhead removal/installation equipment. A32038 is a welded steel dolly mounted on casters, including a trailer tongue, with adjustable fittings that secure the 757 nose landing gear for on-airport transport. The A32038-23 is not to be used as a shipping fixture. Refer to AMM 32-21-01 for complete usage instructions. A32038-23 consists of:

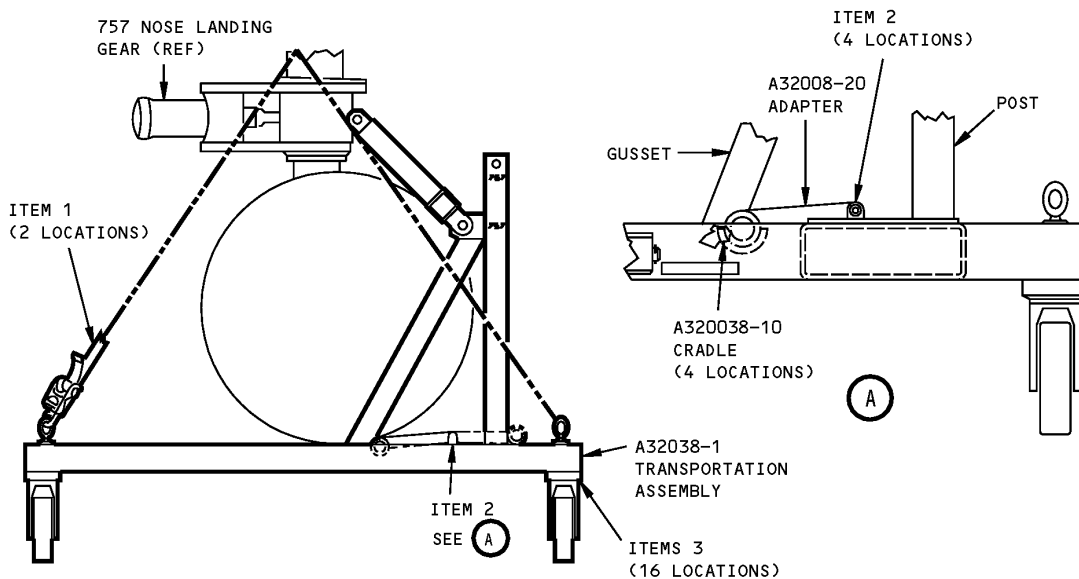
<b>A32038-23</b>		
<b>QUANTITY</b>	<b>NOMENCLATURE</b>	<b>PART NUMBER</b>
1	TRANSPORTATION DOLLY	A32038-1
4	CRADLE	A32038-10
8	CLEVIS HALF	A32038-11
2	ADAPTER ASSEMBLY	A32038-20
4	COARSE THREAD BOLT	MS20074-06-06
4	PIN	MS20392-7C57
4	WASHER	AN960-816

**WEIGHT:** 750 lbs (340 kg)

**DIMENSIONS:** 53 x 72 x 78 inches (1346 x 1829 x 1981 mm)



**757**  
**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**757 and 767 NLG Transportation Dolly**  
**Figure 1**

<b>REPAIRABLE/REPLACEABLE PARTS</b>			
<b>ITEM NO.</b>	<b>PART NO.</b>	<b>NOMENCLATURE</b>	<b>VENDOR CODE</b>
1	AC6000176C240	BELT ASSEMBLY	V01276
2	MS20392-7C57	PIN	
3	MS20074-06-06	COARSE THREAD BOLT	



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32005-67, -68**

**NAME:** OVERHEAD INSTALLATION/REMOVAL EQUIPMENT - NOSE LANDING GEAR

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The B32005-67 nose landing gear overhead installation/ removal equipment is used on 757-200, -200F and -200C airplanes. The B32005-68 nose landing gear overhead installation/removal equipment is used on all 757 airplanes. The B32005 equipment is used in conjunction with customer-furnished: A32038 transportation dolly, B32019 shock strut lock and a fishpole hoist to remove and install the nose landing gear. An additional customer-furnished B32003 trunnion pin puller is required for removing the nose landing gear. Refer to the current B32005 drawing AMM 32-21-01 for complete usage instructions. B32005-67 and -68 consists of:

<b>B32005-67</b>		
<b>QUANTITY</b>	<b>NOMENCLATURE</b>	<b>PART NUMBER</b>
1	LOWER DRAG LINK SUPPORT ASSEMBLY	B32005-2
1	HOIST SUPPORT ASSEMBLY	B32005-59
1	HOIST TRACK ASSEMBLY	B32005-55
1	SLING HANGER ASSEMBLY	B32005-5
1	HOIST LIFT LUG ASSEMBLY	B32005-6
2	GUIDE PIN	B32005-51
1	STORAGE BOX	

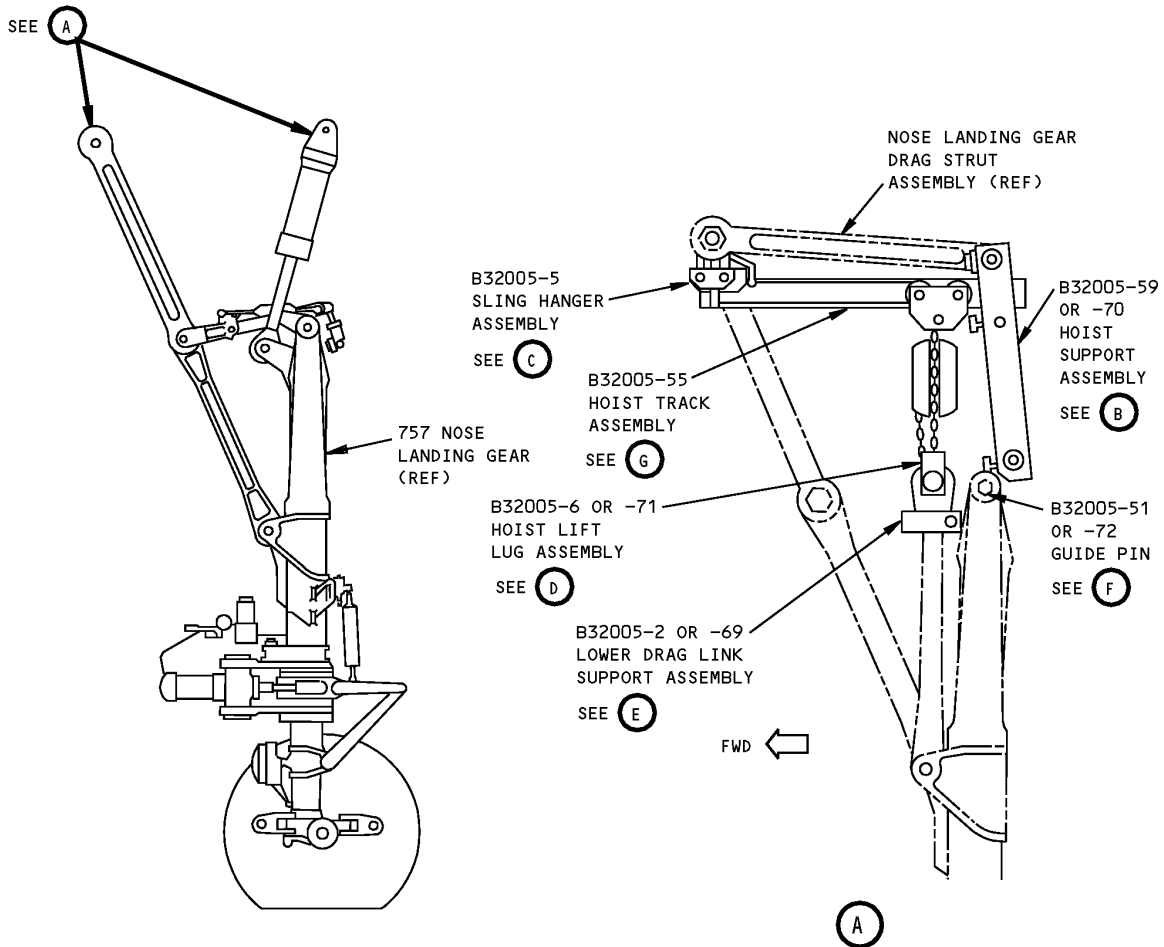
<b>B32005-68</b>		
<b>QUANTITY</b>	<b>NOMENCLATURE</b>	<b>PART NUMBER</b>
1	LOWER DRAG LINK SUPPORT ASSEMBLY	B32005-69
1	HOIST SUPPORT ASSEMBLY	B32005-70
1	HOIST TRACK ASSEMBLY	B32005-55
1	SLING HANGER ASSEMBLY	B32005-5
1	HOIST LIFT LUG ASSEMBLY	B32005-71
2	GUIDE PIN	B32005-72
1	STORAGE BOX	

**WEIGHT:** 125 lbs (57 kg)

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

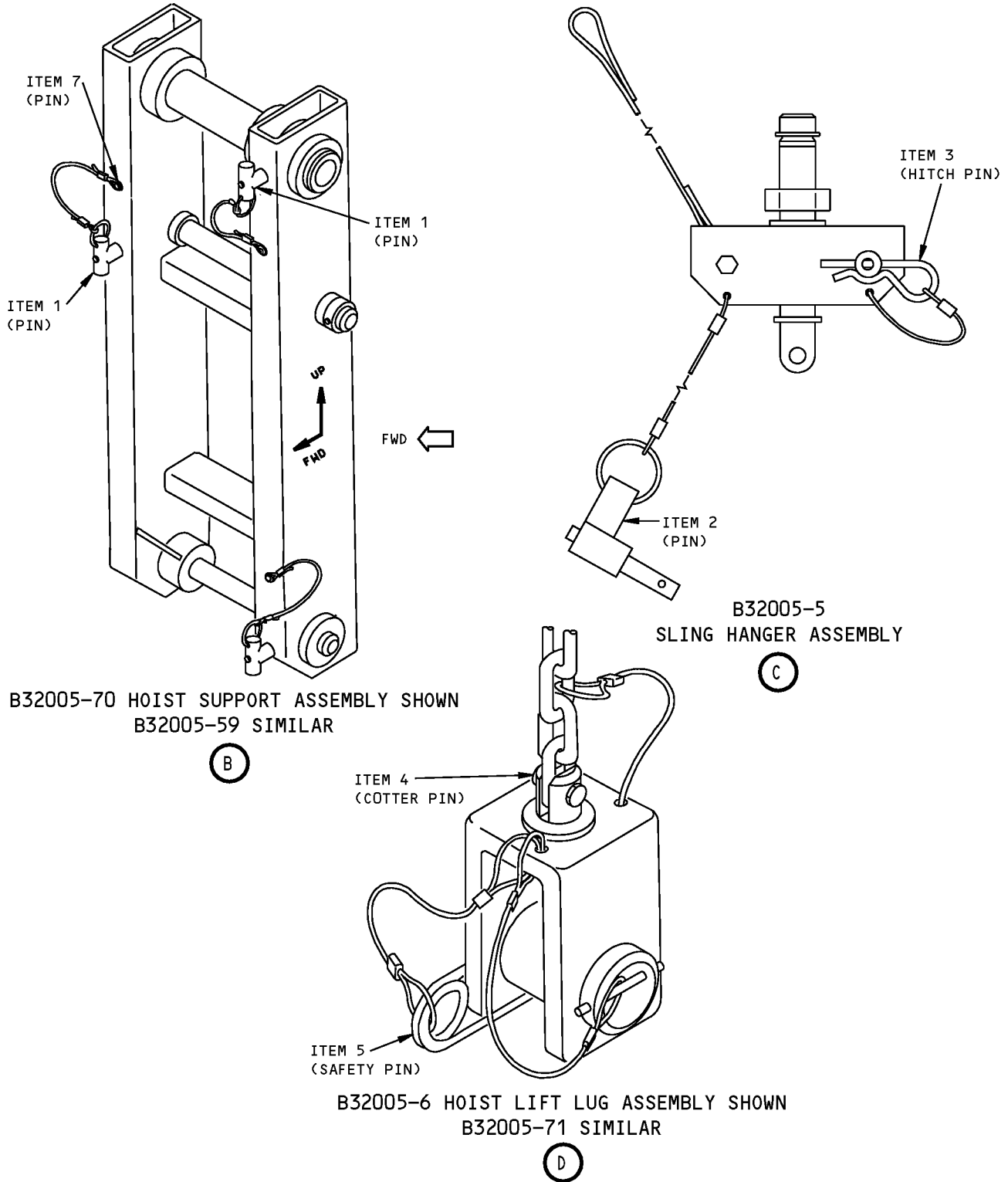
**DIMENSIONS:** 10 x 14 x 43 inches (254 x 356 x 1092 mm)

**NOTE:** B32005-68 replaces B32005-67 for future procurement.



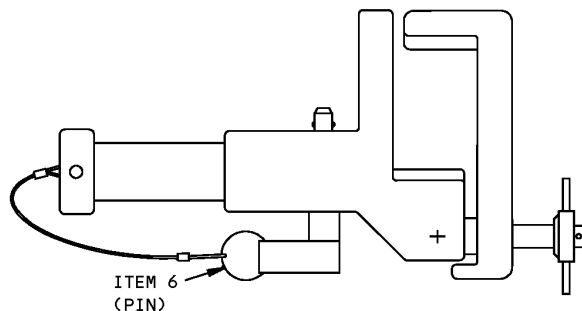
**Nose Landing Gear Overhead Installation/Removal Equipment  
Figure 1 (Sheet 1 of 3)**

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



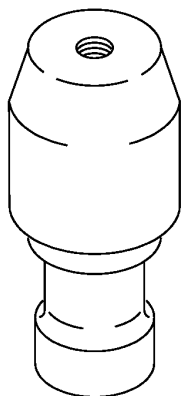
**Nose Landing Gear Overhead Installation/Removal Equipment  
Figure 1 (Sheet 2 of 3)**

**757**  
**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



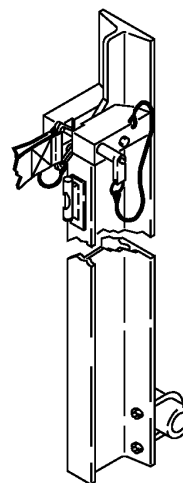
B32005-2 LOWER DRAG LINK SUPPORT ASSEMBLY SHOWN  
B32005-69 SIMILAR

E



B32005-51 GUIDE PIN SHOWN  
B32005-72 SIMILAR

F



B32005-55 HOIST TRACK ASSEMBLY

G

**Nose Landing Gear Overhead Installation/Removal Equipment**  
**Figure 1 (Sheet 3 of 3)**

REPAIRABLE/REPLACEABLE PARTS			
ITEM NO.	PART NO.	NOMENCLATURE	VENDOR CODE
1	NAS1334C2C46D	PIN	
2	NAS1335C5C11D	PIN	
3	WW NO. 4	HITCH PIN	
4	MS24665-136	COTTER PIN	V65029
5	WW NO. 3	SAFETY PIN	
6	NAS1338C5C26D	PIN	V65029
7	NAS1334C2C20D	PIN	



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32009-1**

**NAME:** STRUT - HOLD OPEN, NOSE LANDING GEAR DOOR

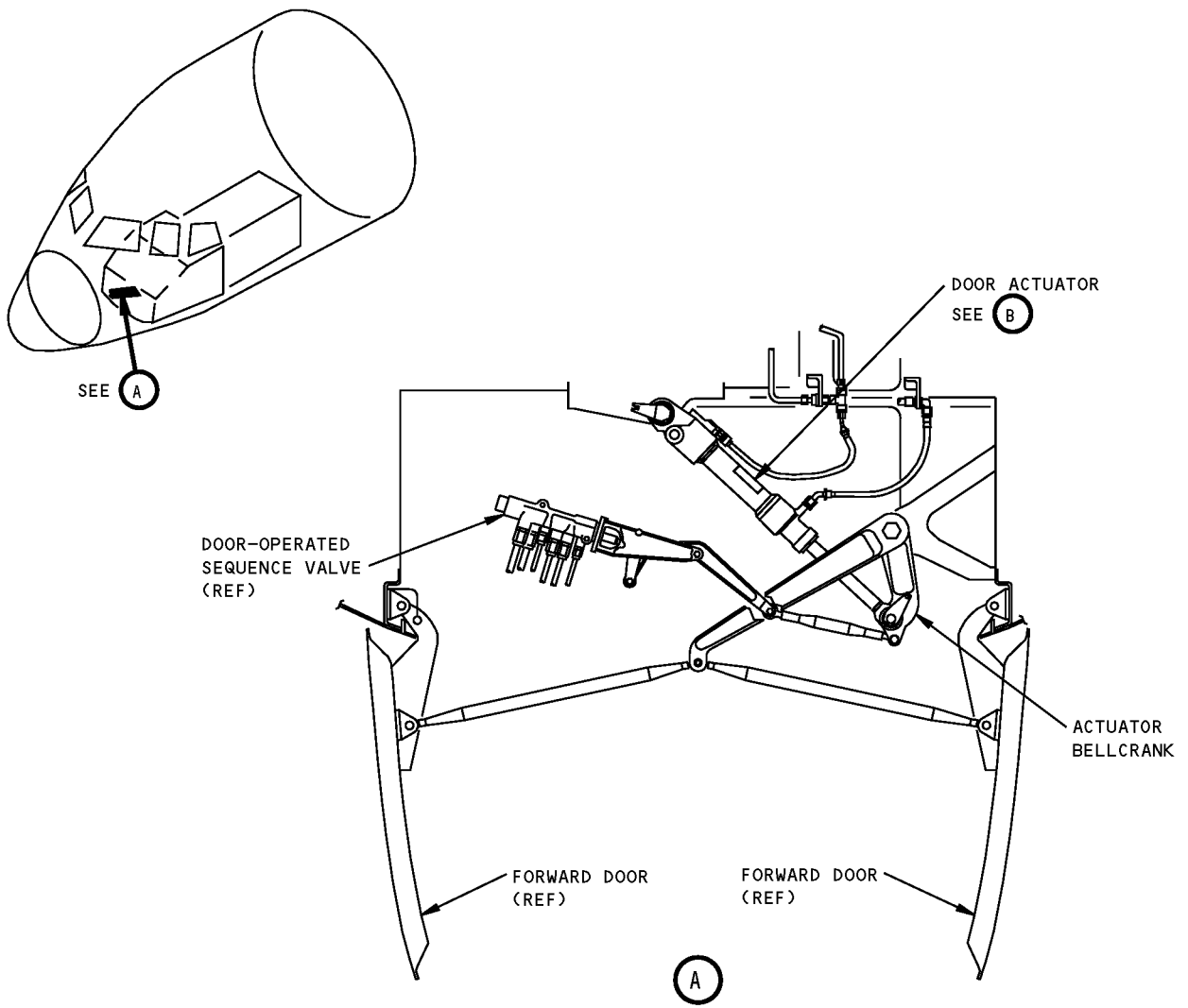
**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The B32009-1 strut is used on all 757 airplanes. B32009 is used to secure the nose landing gear doors in the open position when the nose gear door actuator has been removed. B32009 is a beam assembly with fittings which fasten into both the door actuator mounts and the nose gear wheel well structure. B32009-1 consists of a B32009-2 nose landing gear door strut assembly contained in a storage box.

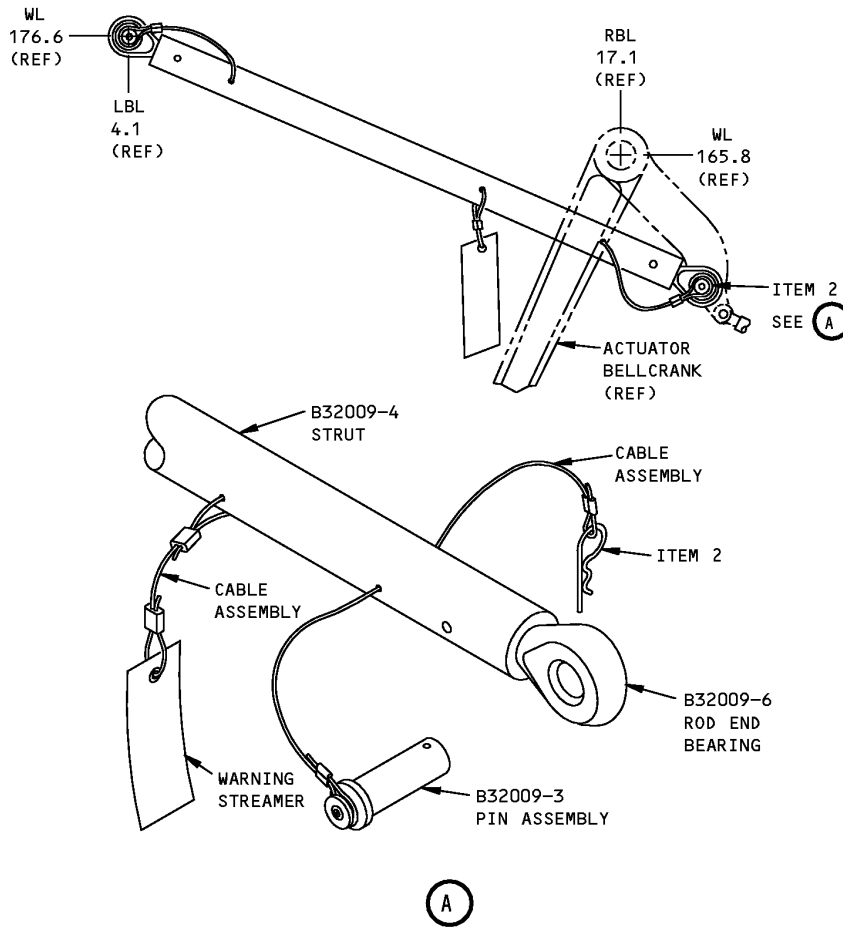
**WEIGHT:** 5 lbs (2.3 kg)

**DIMENSIONS:** 4 x 4 x 32 inches (102 x 102 x 813 mm)



**Nose Landing Gear Door Hold Open Strut**  
**Figure 1 (Sheet 1 of 2)**

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Nose Landing Gear Door Hold Open Strut  
Figure 1 (Sheet 2 of 2)**

REPAIRABLE/REPLACEABLE PARTS			
ITEM NO.	PART NO.	NOMENCLATURE	VENDOR CODE
1	AN415-6	HITCH PIN	





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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32013-12, -17**

**NAME:** LOCK - DOOR ACTUATOR, NOSE LANDING GEAR

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The B32013-12 or -17 (preferred) lock is used on all 757 airplanes. B32013 is a formed aluminum strut that secures the nose landing gear door, preventing actuation during ground operations. B32013 mounts into the actuator bracket of the wheel well sidewall and the safety valve on the forward wheel well bulkhead. Refer to AMM 32-00-15 for complete usage instructions. B32013-12 and -17 consists of:

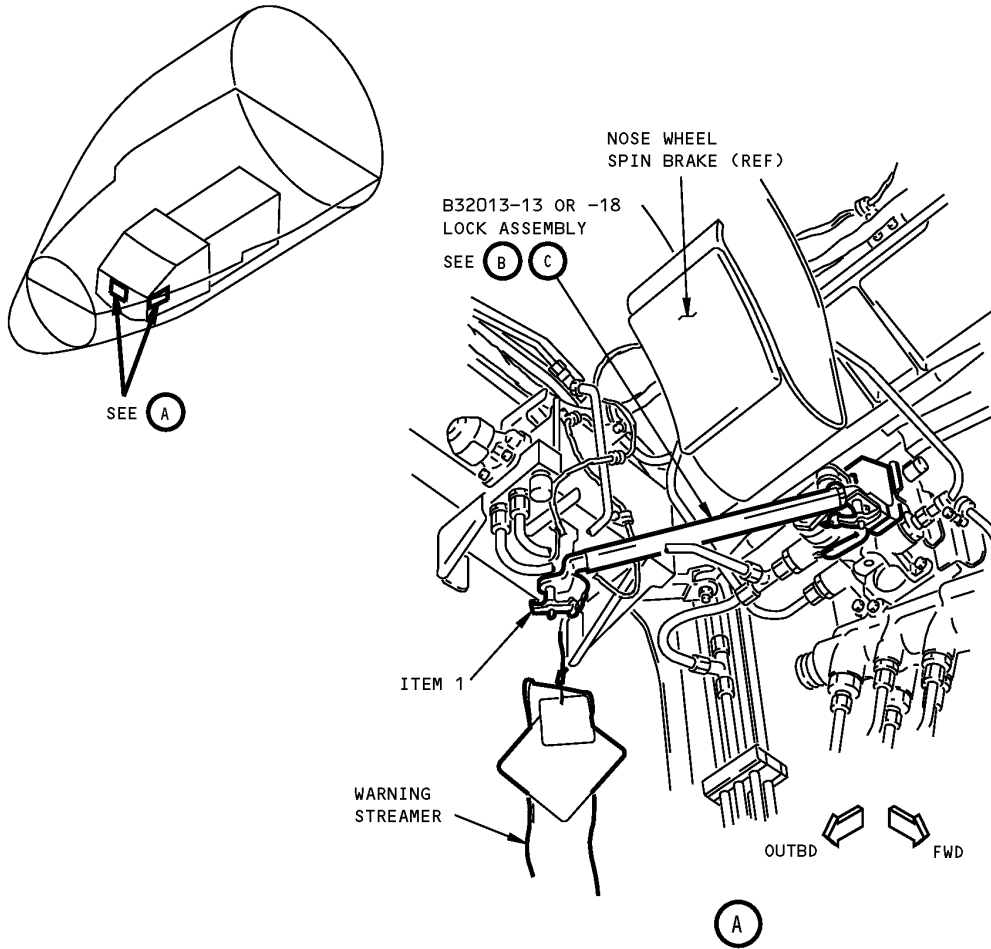
B32013-12		
QUANTITY	NOMENCLATURE	PART NUMBER
1	LOCK ASSEMBLY	B32013-13
1	ANGLE	B32013-14
1	VALVE LOCK	B32013-15
1	STORAGE BOX	

B32013-17		
QUANTITY	NOMENCLATURE	PART NUMBER
1	LOCK ASSEMBLY	B32013-18
1	STORAGE BOX	

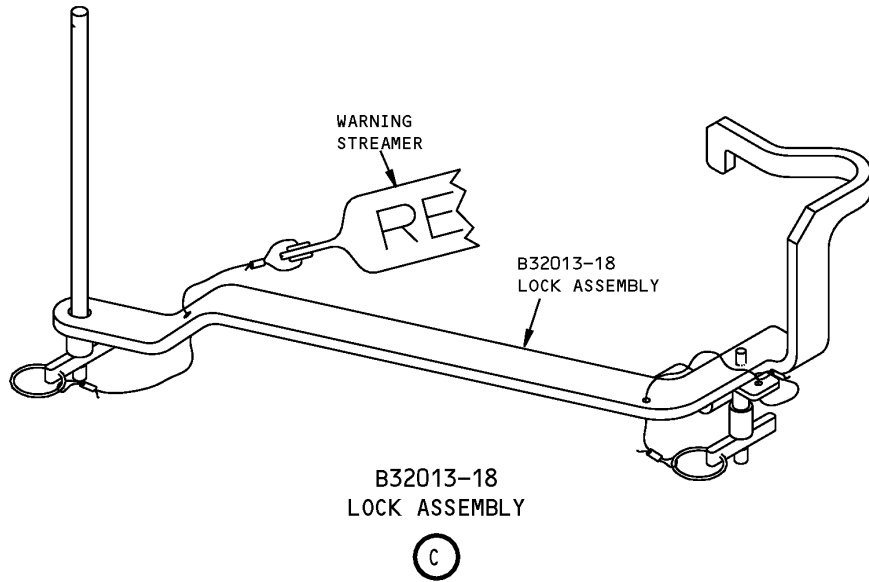
**WEIGHT:** 2 lbs (0.9 kg)

**DIMENSIONS:** 6 x 7 x 16 inches (152 x 178 x 406 mm)

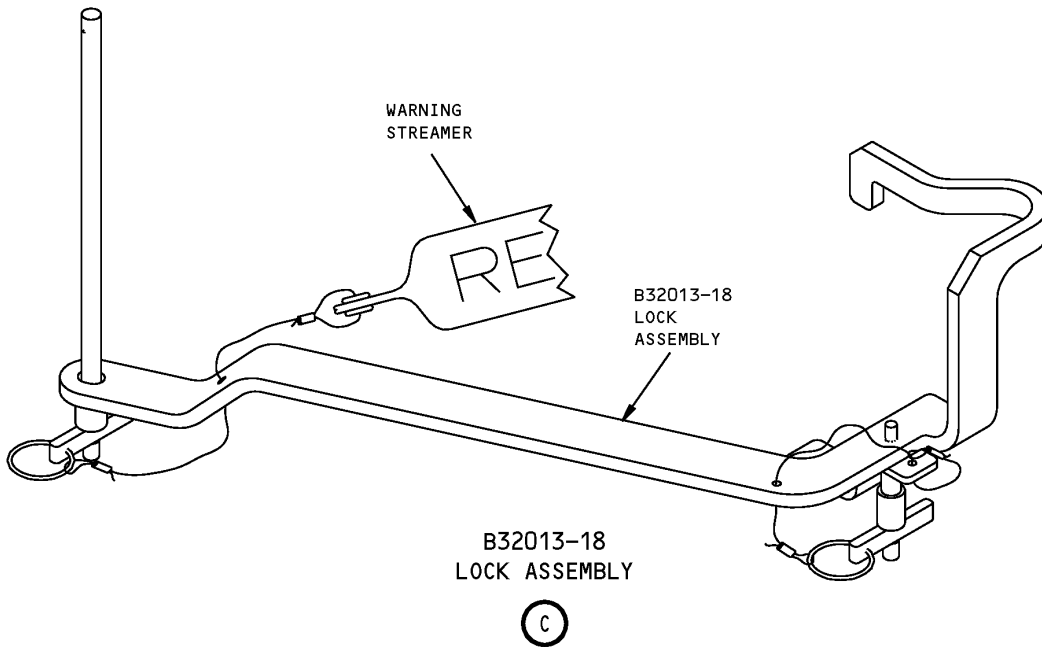
**NOTE:** B32013-12 supersedes B32013-8.  
B32013-17 replaces B32013-12 for future procurement.



**Nose Landing Gear Door Actuator Lock  
Figure 1 (Sheet 1 of 3)**



**Nose Landing Gear Door Actuator Lock  
Figure 1 (Sheet 2 of 3)**



**Nose Landing Gear Door Actuator Lock  
Figure 1 (Sheet 3 of 3)**



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**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

<b>REPAIRABLE/REPLACEABLE PARTS</b>			
<b>ITEM NO.</b>	<b>PART NO.</b>	<b>NOMENCLATURE</b>	<b>VENDOR CODE</b>
1	BLS5GT70	QUICK RELEASE PIN	V84256
2	MS17984C310	BALL LOCK PIN	



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**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

**PART NUMBER: B32019-1**

**NAME:** RESTRAINT - SHOCK STRUT, NOSE LANDING GEAR

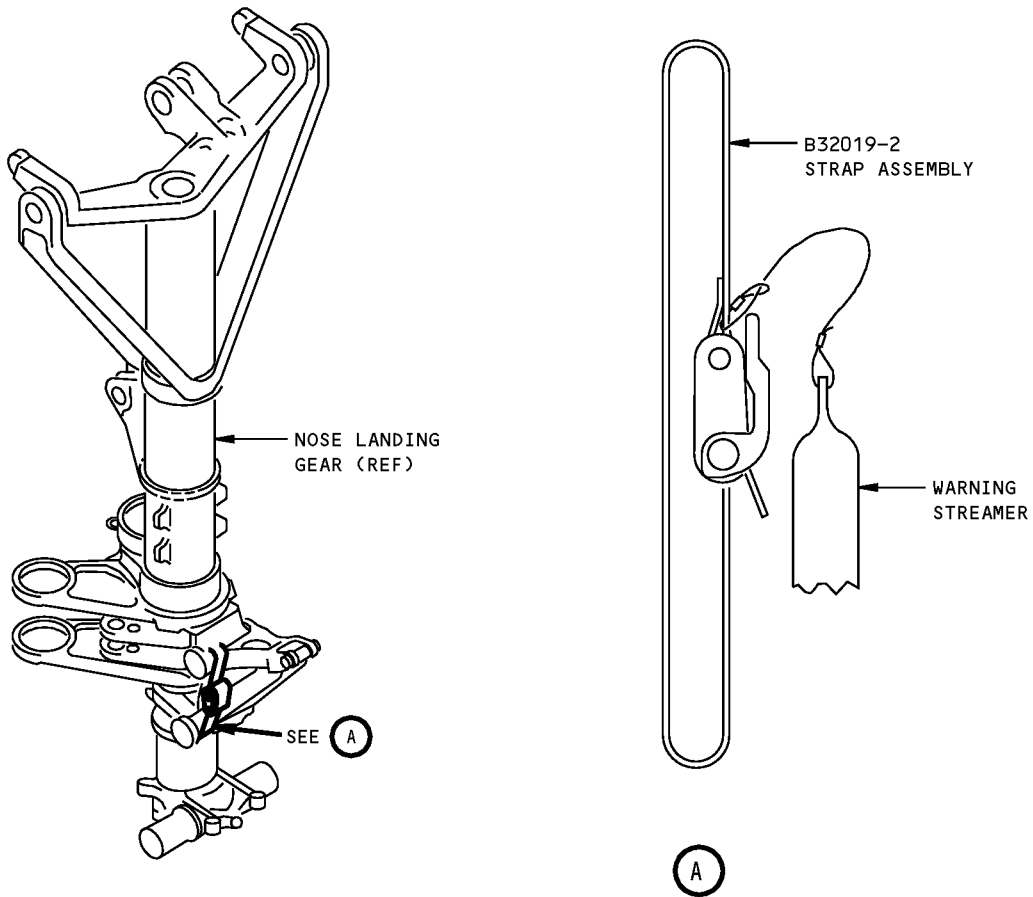
**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** YES

**USAGE & DESCRIPTION:** The B32019-1 restraint is used on all 757 airplanes. B32019 is a webbed strap that is used to lock the nose landing gear shock strut into a depressurized position during ground maintenance operations. Refer to AMM 07-11-02, AMM 32-21-01, AMM 32-21-12, CMM 32-21-20, CMM 32-21-25 and CMM 32-21-49 for complete usage instructions. B32019-1 consists of a B32019-2 strap assembly contained in a storage box.

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

**DIMENSIONS:** 4 x 12 x 12 inches (102 x 305 x 305 mm)



**Nose Landing Gear Shock Strut Restraint  
Figure 1**



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**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

**PART NUMBER: B32021-1**

**NAME:** AXLE PROTECTOR - NOSE LANDING GEAR (NLG)

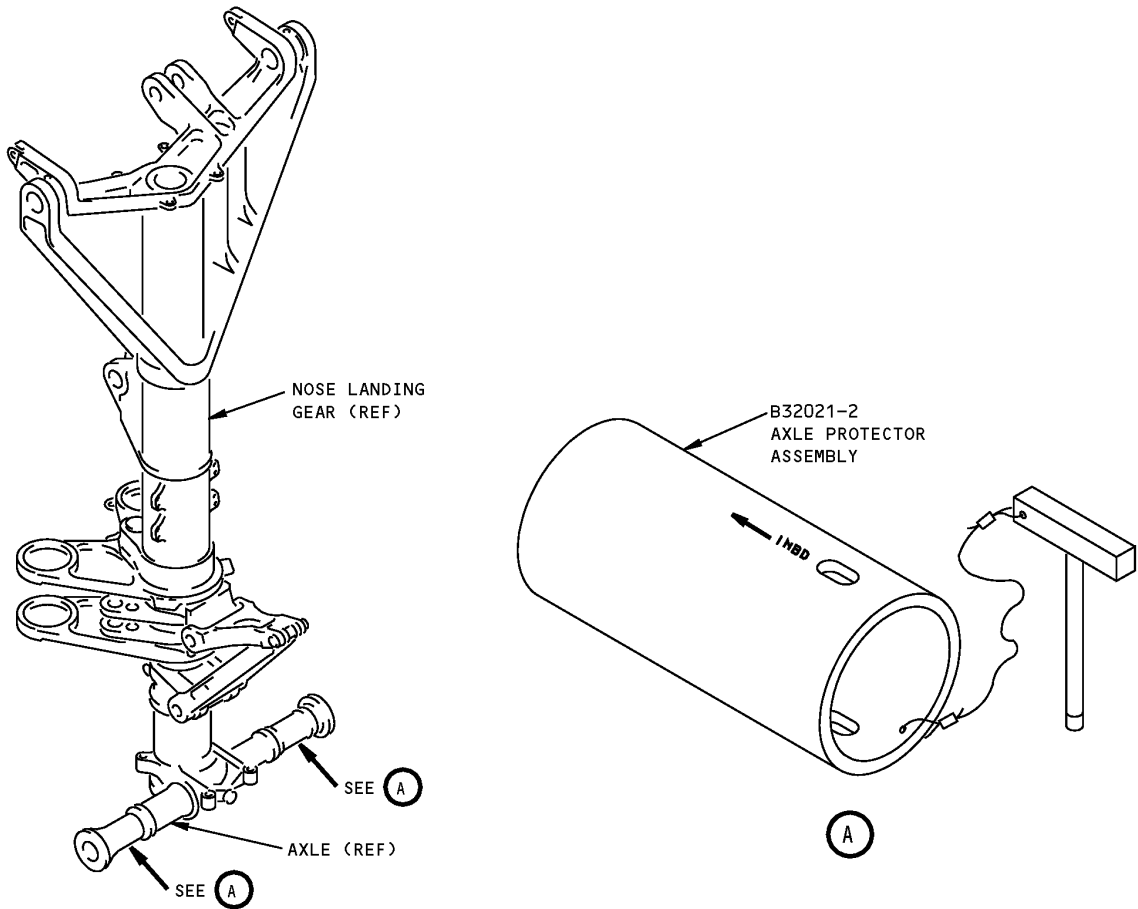
**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** YES

**USAGE & DESCRIPTION:** The B32021-1 axle protector is used on all 757 airplanes. B32021 is used to protect the landing gear axle threads after the wheel assembly has been removed from the axle. Refer to AMM 32-45-02, CMM 32-21-20 and CMM 32-21-45 for complete usage instructions. B32021-1 consists of two B32021-2 axle protectors contained in a storage box.

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

**DIMENSIONS:** 4 x 7 x 8 inches (102 x 178 x 203 mm)



**NLG Axle Protector  
Figure 1**





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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32023-1**

**NAME:** SLING - SHOP HANDLING, NOSE LANDING GEAR

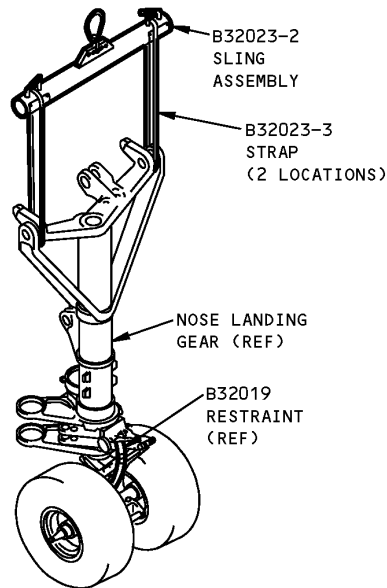
**AIRPLANE MAINTENANCE:** NO

**COMPONENT MAINTENANCE:** YES

**USAGE & DESCRIPTION:** The B32023-1 sling is used during component maintenance on all 757 airplanes. B32023 is a spreader bar and strap sling that is used with customer-furnished overhead lift equipment and a B32019 nose landing gear shock strut restraint to maneuver the nose landing gear during component maintenance. Refer to CMM 32-21-20, CMM 32-21-25 and CMM 32-21-45 for complete usage instructions. B32023-1 consists of a B32023-2 sling assembly, two B32023-3 straps and connecting hardware.

**WEIGHT:** 38 lbs (17 kg)

**DIMENSIONS:** 4 x 4 x 48 inches (102 x 102 x 1219 mm)



**Nose Landing Gear Shop Handling Sling  
Figure 1**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: A32057-10, -40**

**NAME:** BUILDUP STAND - NOSE LANDING GEAR

**AIRPLANE MAINTENANCE:** NO

**COMPONENT MAINTENANCE:** YES

**USAGE & DESCRIPTION:** The A32057-10 buildup stand is used on 757 airplanes. The A32057-40 buildup stand is used on 757/767 mixed airplane fleets. A32057 is composed of a base assembly and an adjustable arm assembly that supports the nose landing gear in a vertical position for installation or removal of buildup components. A32057 also secures the inner cylinder of the shock strut, allowing the outer cylinder to be removed during overhaul. Refer to CMM 32-21-20, CMM 32-21-25 and CMM 32-21-49 for complete usage instructions. A32057-10 and -40 consist of:

A32057-10		
QUANTITY	NOMENCLATURE	PART NUMBER
1	STAND ASSEMBLY	A32057-2
1	ARM ASSEMBLY	A32057-4
2	PIN	A32057-5
1	STORAGE BOX <sup>[1]</sup>	

<sup>[1]</sup> FOR STORAGE OF THE TWO A32057-5 PINS

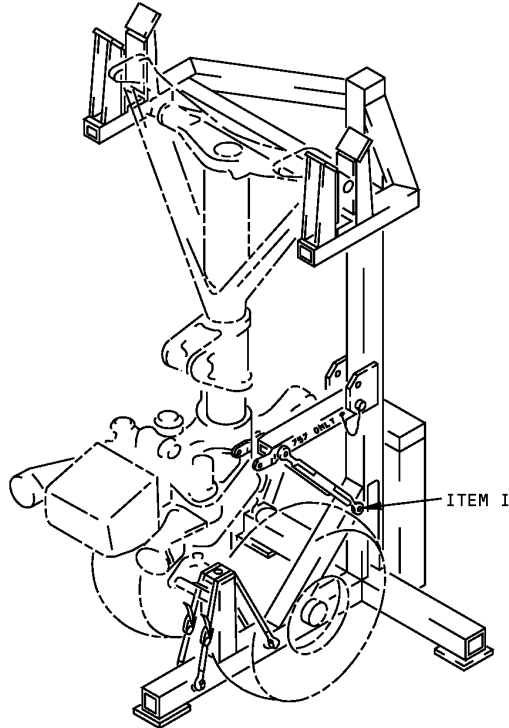
A32057-40		
QUANTITY	NOMENCLATURE	PART NUMBER
1	STAND ASSEMBLY	A32057-2
1	ARM ASSEMBLY	A32057-3
1	ARM ASSEMBLY	A32057-4
2	PIN	A32057-5
1	STORAGE BRACKET ASSEMBLY	A32057-6
1	STORAGE BOX <sup>[1]</sup>	

<sup>[1]</sup> FOR STORAGE OF THE TWO A32057-5 PINS

**WEIGHT:** 1,110 lbs (503 kg)

**DIMENSIONS:** 50 x 58 x 116 inches (1270 x 1473 x 2946 mm)

**757**  
**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



A32057-100R -40  
 NOSE LANDING GEAR  
 BUILDUP STAND FOR 757 USE

**Nose Landing Gear Buildup Stand  
 Figure 1**

REPAIRABLE/REPLACEABLE PARTS			
ITEM NO.	PART NO.	NOMENCLATURE	VENDOR CODE
1	CL-32-SS	SHOULDER SCREW	V99862



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32024-82**

**NAME:** PULLER EQUIPMENT - LOWER BEARING SEAL RETAINER, NOSE LANDING GEAR (NLG)

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** YES

**USAGE & DESCRIPTION:** The B32024-82 puller equipment is used on all 757 airplanes. B32024 is used to remove and install the lower bearing adapter from the nose landing gear shock strut to replace the bearing seal. B32024 components are used individually and in combination during line and component maintenance on the nose gear bearing seals. Refer to AMM 32-21-24, AMM 32-21-25 and CMM 32-21-44 for complete usage instructions. B32024-82 consists of:

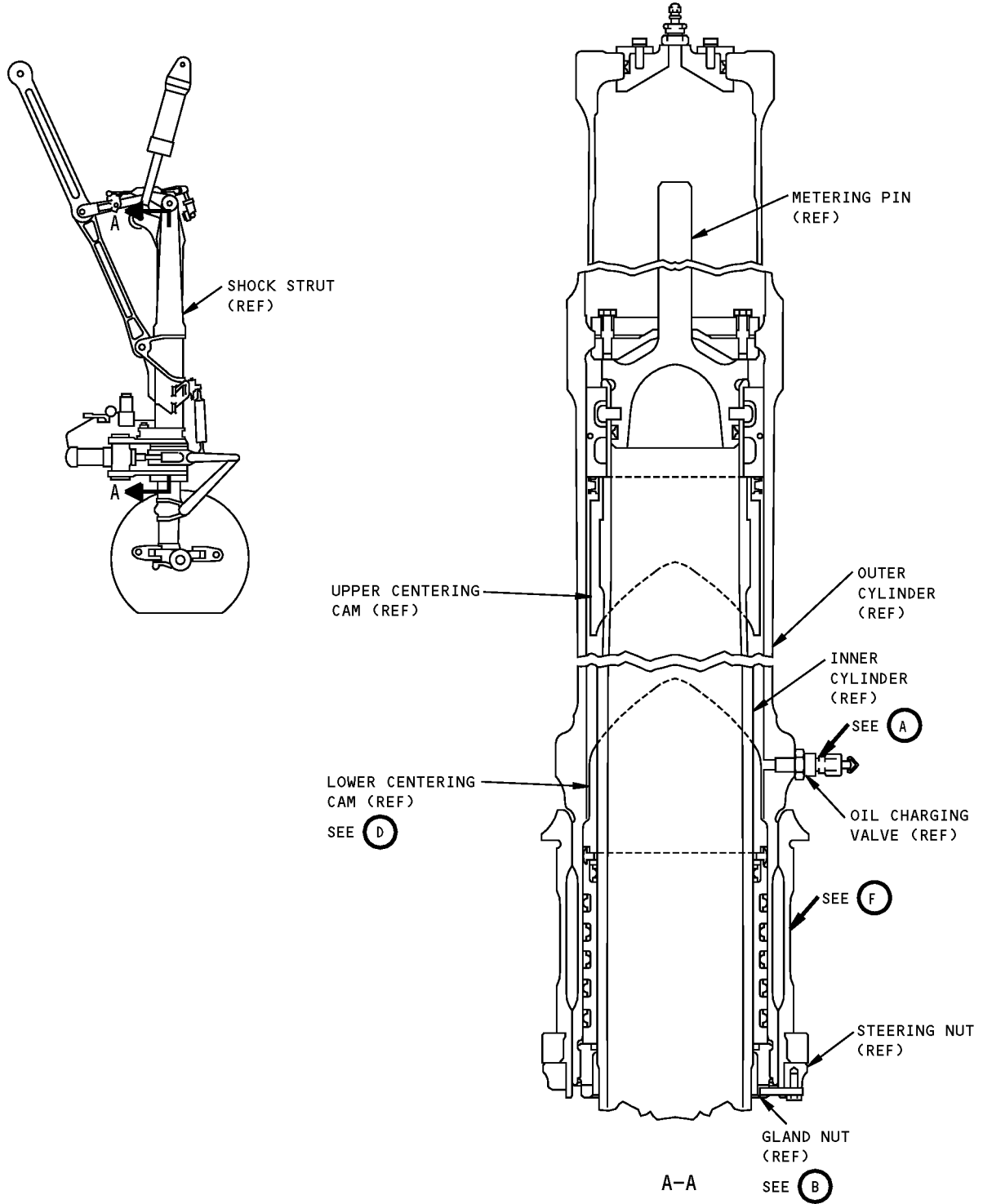
<b>B32024-82</b>		
<b>QUANTITY</b>	<b>NOMENCLATURE</b>	<b>PART NUMBER</b>
1	PULLER ASSEMBLY	B32024-83
1	PLUG ASSEMBLY	B32024-62
1	CLAMP ASSEMBLY	B32024-68
2	SEAL PROTECTOR ASSEMBLY	B32024-75
2	RAM ASSEMBLY	B32024-23
1	POSITIONER	B32024-41
1	CAM LOCK ASSEMBLY	B32024-42
1	RETAINER ASSEMBLY	B32024-45
1	STORAGE BOX	

**WEIGHT:** 36 lbs (16 kg)

**DIMENSIONS:** 8 x 18 x 40 inches (203 x 457 x 1016 mm)

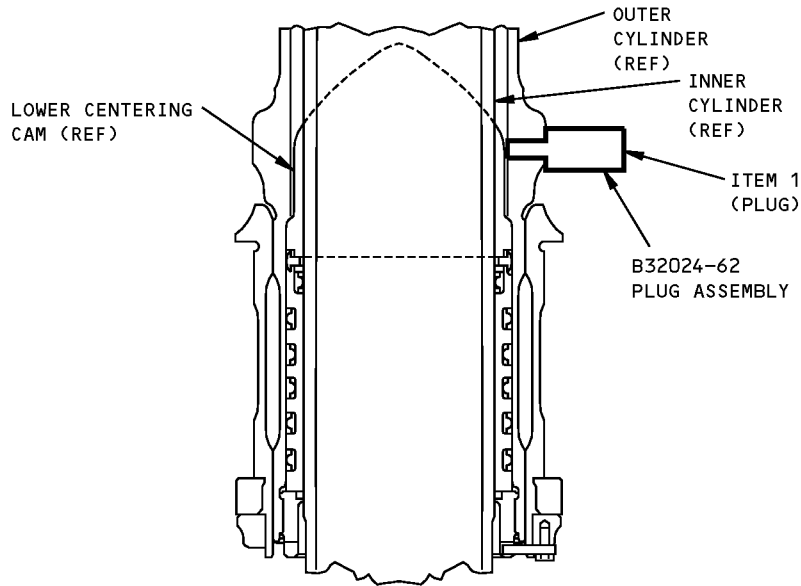
**NOTE:** B32024-82 supersedes B32024-65.

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



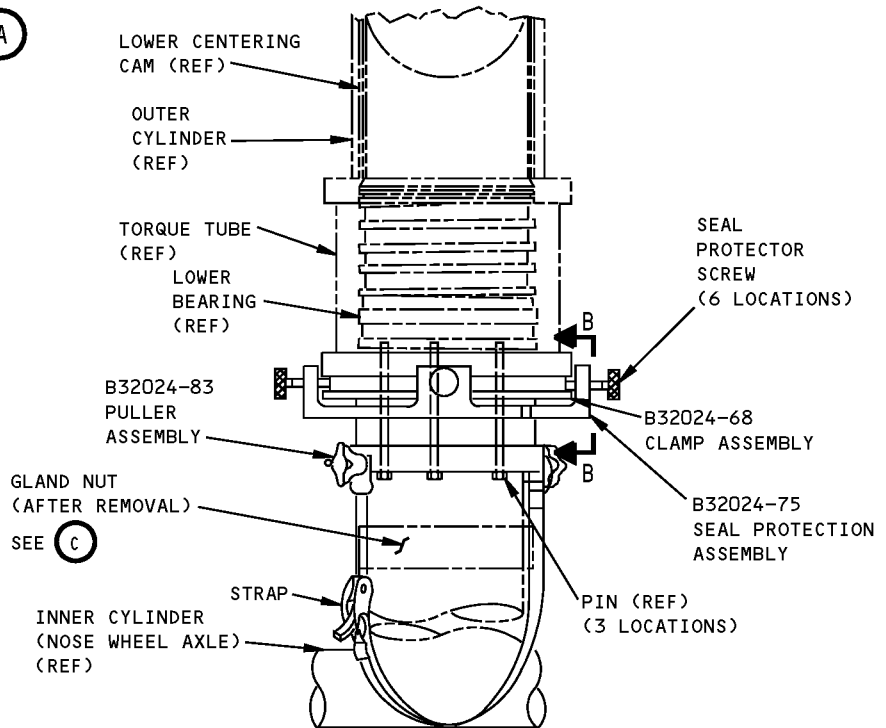
**NLG Lower Bearing Seal Retainer Puller Equipment**  
**Figure 1 (Sheet 1 of 4)**

**757  
ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**NOSE LANDING GEAR SHOCK STRUT**

**(A)**

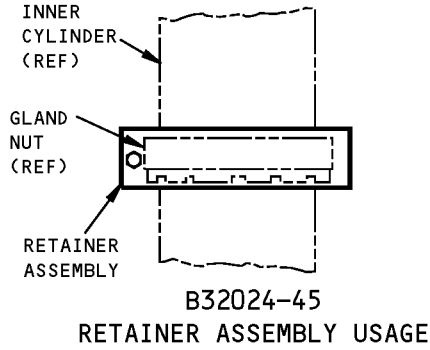


**B32024-83  
BEARING PULLER USAGE**

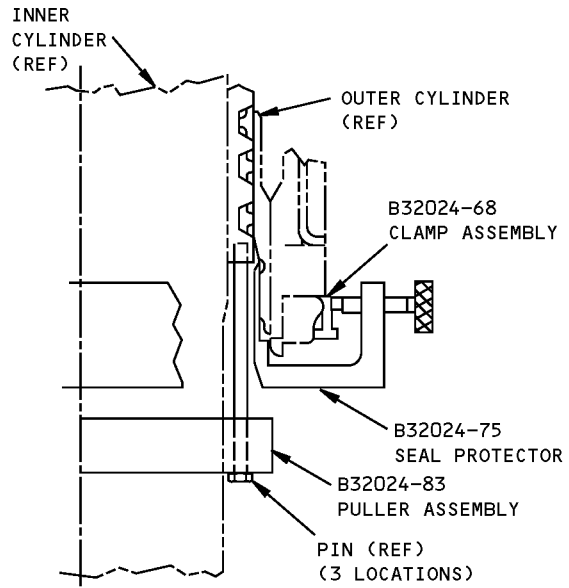
**(B)**

**NLG Lower Bearing Seal Retainer Puller Equipment  
Figure 1 (Sheet 2 of 4)**

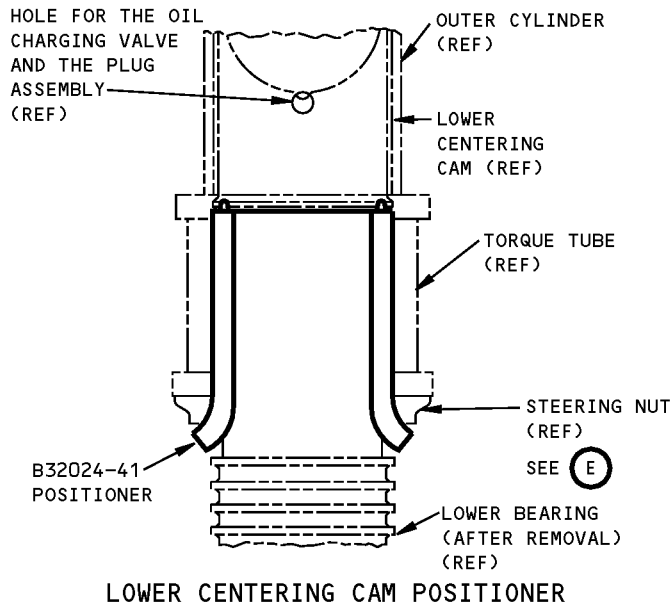
**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



(C)

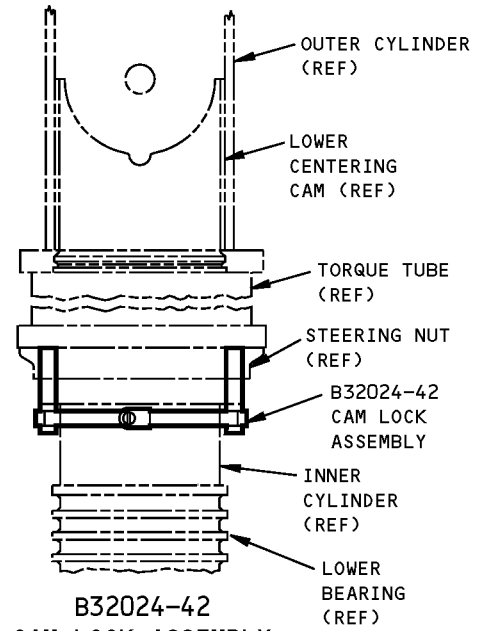


**B32024-45**  
SEAL PROTECTOR ASSEMBLY USAGE  
B-B



**B32024-41**  
LOWER CENTERING CAM POSITIONER

(D)

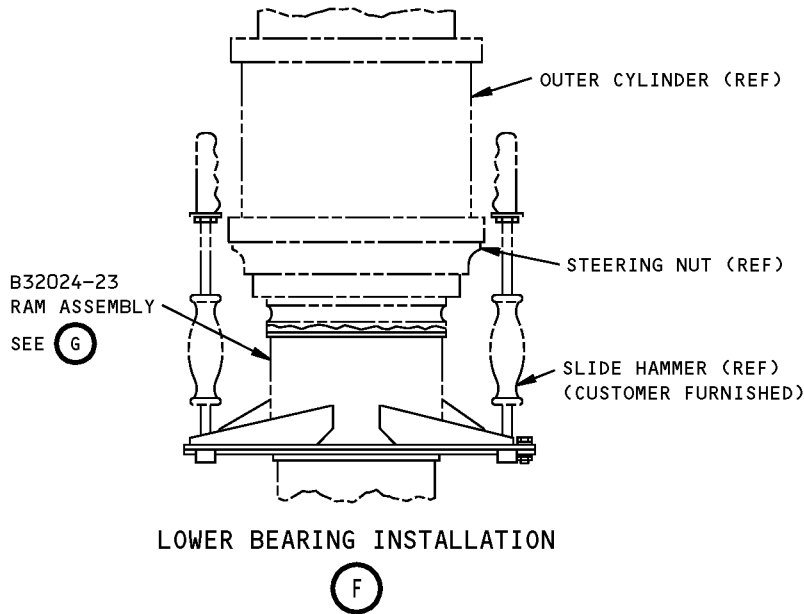
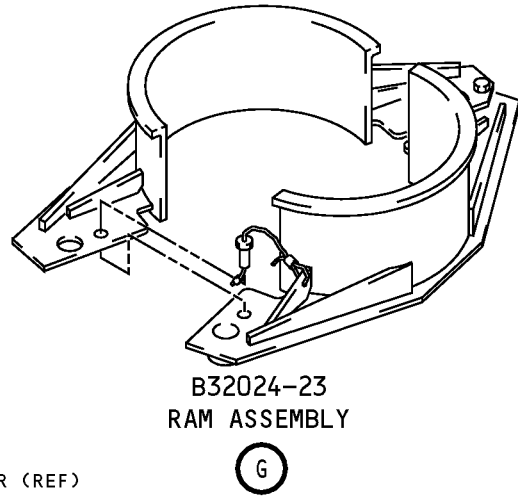
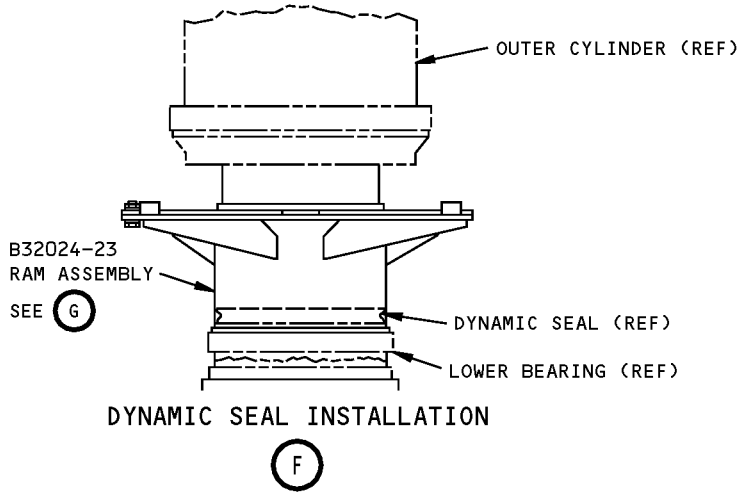


**B32024-42**  
CAM LOCK ASSEMBLY

(E)

**NLG Lower Bearing Seal Retainer Puller Equipment**  
**Figure 1 (Sheet 3 of 4)**

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**NLG Lower Bearing Seal Retainer Puller Equipment  
Figure 1 (Sheet 4 of 4)**





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ILLUSTRATED TOOL AND EQUIPMENT MANUAL

REPAIRABLE/REPLACEABLE PARTS			
ITEM NO.	PART NO.	NOMENCLATURE	VENDOR CODE
1	B32024-64	PLUG	



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32052-1**

**NAME:** INSTALLATION/REMOVAL EQUIPMENT - ORIFICE, NOSE LANDING GEAR (NLG) SHOCK STRUT

**AIRPLANE MAINTENANCE:** NO

**COMPONENT MAINTENANCE:** YES

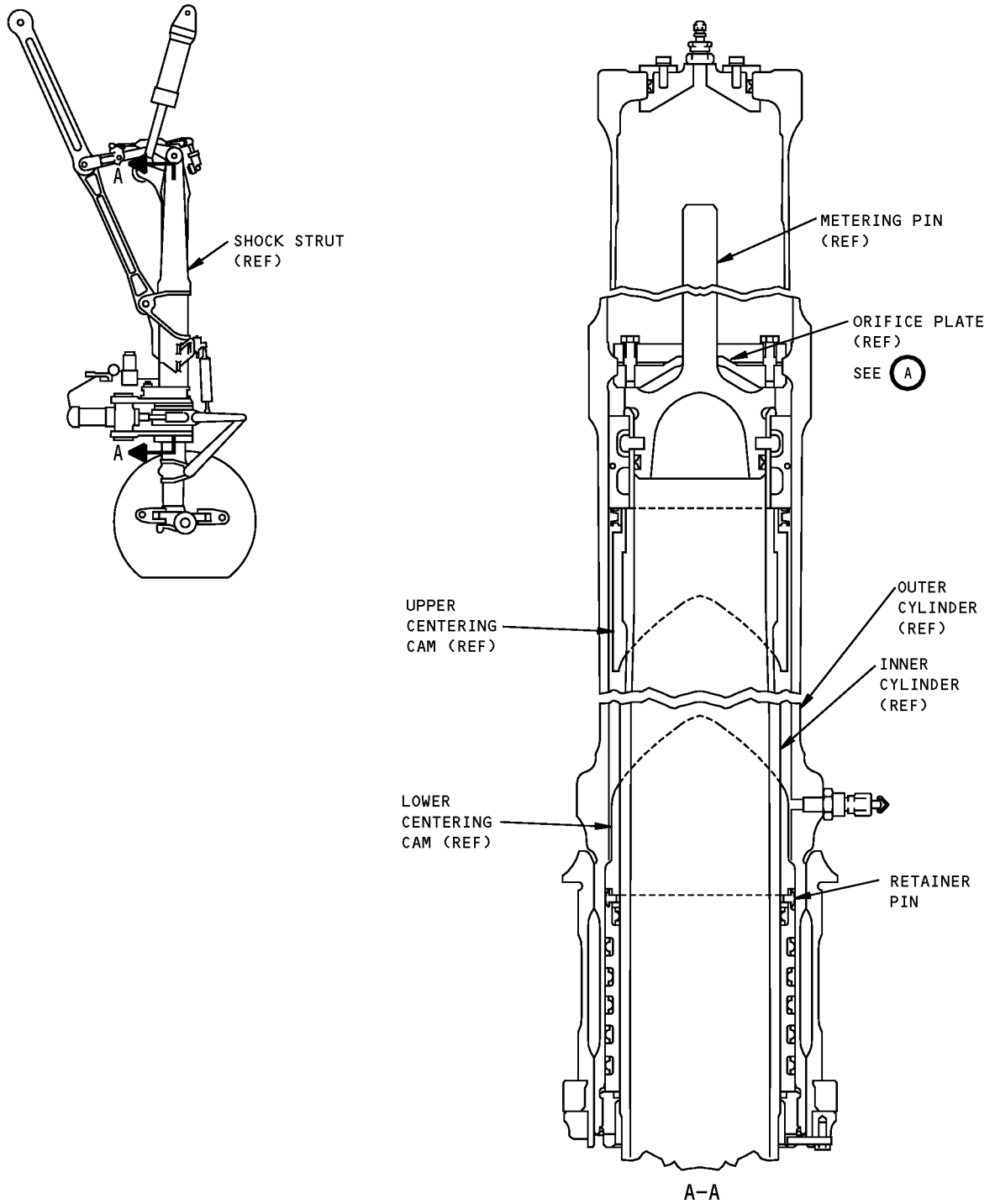
**USAGE & DESCRIPTION:** The B32052-1 installation/removal equipment is used during component maintenance on all 757 airplanes. B32052 is used to install or remove the orifice plate installed inside the nose landing gear outer cylinder. The orifice plate allows only limited access, primarily requiring a remotely operated B32052-3 swivel assembly and a B32052-2 wrench assembly. The long-handled B32052-3 swivel assembly engages the orifice plate with a wrench plate (tooth) that swivels 90 degrees. The wrench plate secures the orifice plate for rotation for tightening or loosening the orifice plate nut. The B32052-2 wrench assembly engages the orifice plate nut, to allow tightening or loosening of the orifice plate nut, allowing removal or installation of the orifice plate. Refer to the current B32052 drawing and CMM 32-21-49 for complete usage instructions. B32052-1 consists of:

<b>B32052-1</b>		
<b>QUANTITY</b>	<b>NOMENCLATURE</b>	<b>PART NUMBER</b>
1	WRENCH ASSEMBLY	B32052-2
1	SWIVEL ASSEMBLY	B32052-3
1	SADDLE ASSEMBLY	B32052-8
1	COVER PLATE	B32052-18
1	COLLAR	B32052-19
2	HAND KNOB ASSEMBLY	CL-3-HK2T
1	STORAGE BOX	

**WEIGHT:** 60 lbs (27 kg)

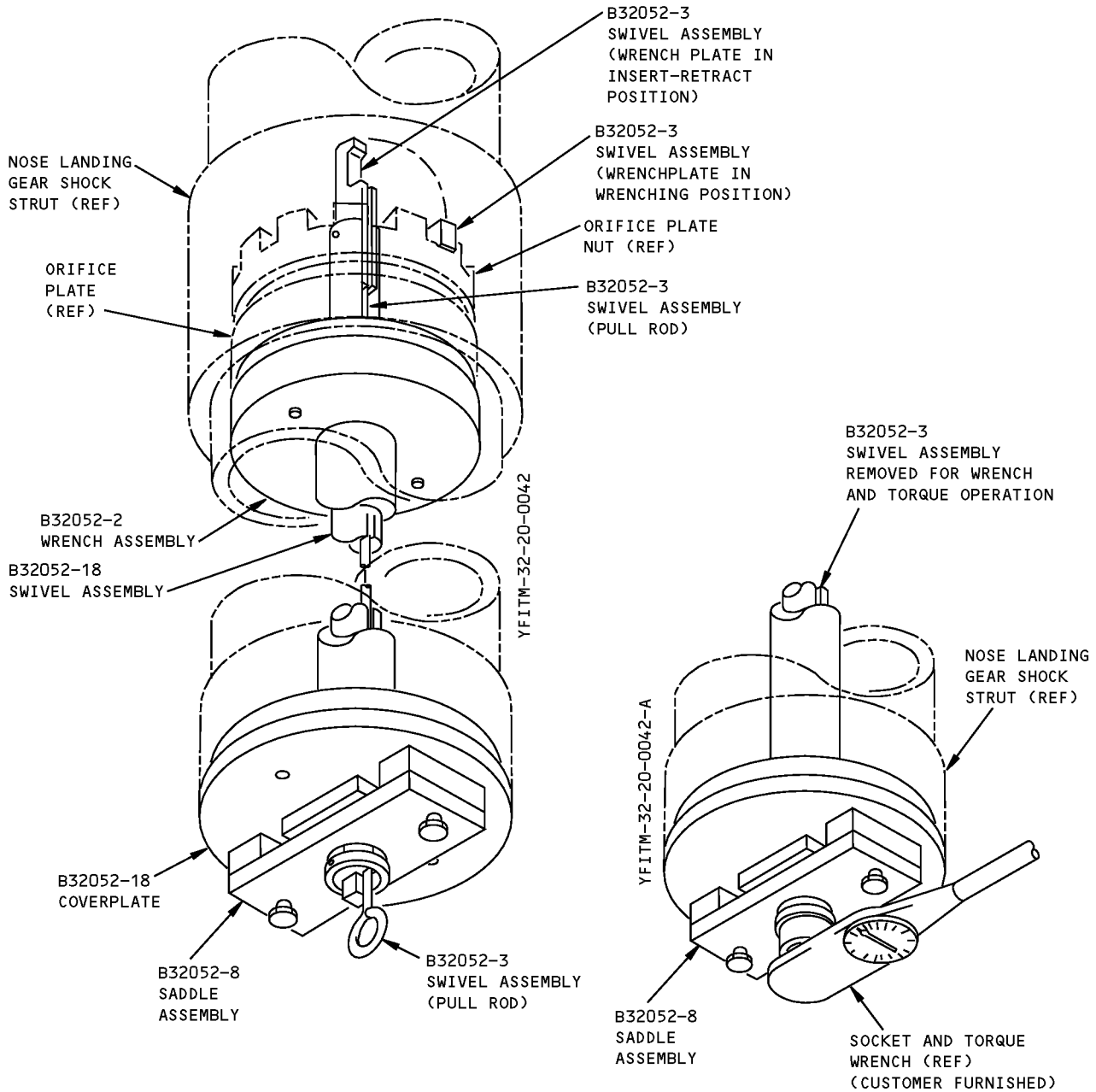
**DIMENSIONS:** 8 x 8 x 46 inches (203 x 203 x 1168 mm)

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**NLG Shock Strut Orifice Installation/Removal Equipment**  
**Figure 1 (Sheet 1 of 2)**

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



(A)

**NLG Shock Strut Orifice Installation/Removal Equipment  
Figure 1 (Sheet 2 of 2)**

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

**PART NUMBER: B32053-1**

**NAME:** CONTOUR TEMPLATE - NOSE LANDING GEAR (NLG) DOOR

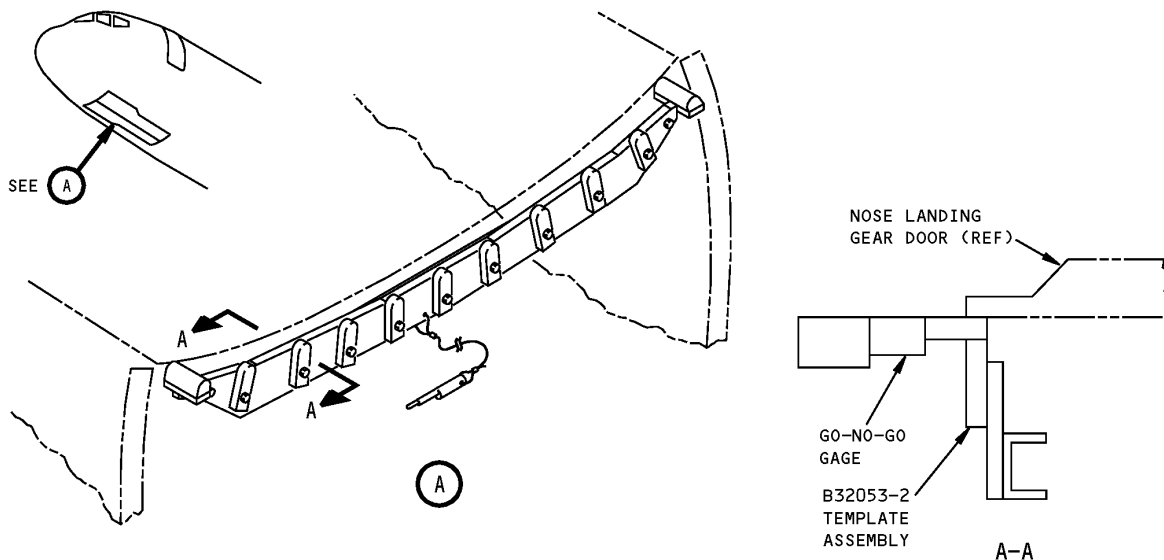
**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The B32053-1 contour template is used on all 757 airplanes. B32053 is used to check the contour of the forward edge of the aft nose landing gear door to ensure a good aerodynamic fair. The contour template is placed on the fuselage and checked with the attached "go, no-go" (feeler) gage (attached part of the B32053-2 template). Refer to AMM 33-22-00 for complete usage instructions. B32053-1 consists of a B32053-2 template assembly contained in a storage box.

**WEIGHT:** 14 lbs (6.4 kg)

**DIMENSIONS:** 4 x 7 x 43 inches (102 x 178 x 1092 mm)

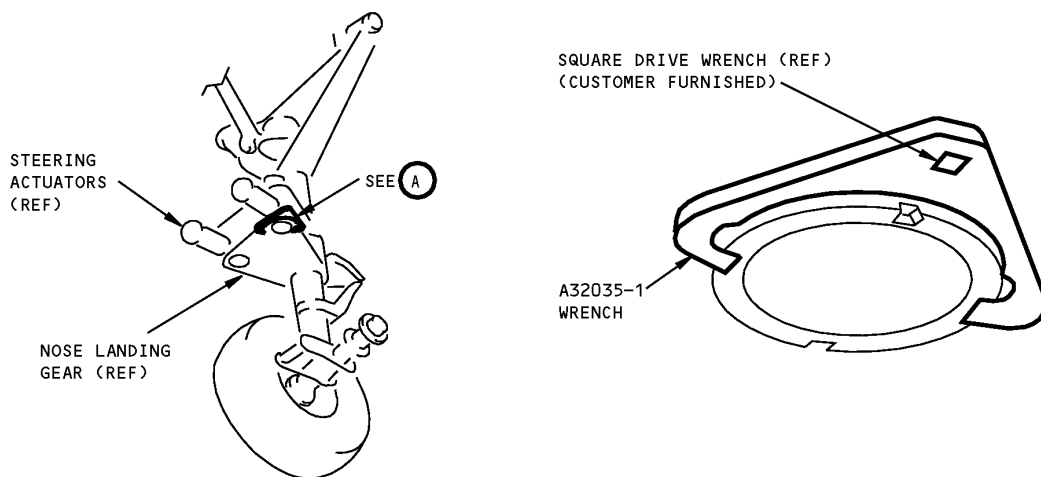


**NLG Door Contour Template  
Figure 1**

## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: A32035-1****NAME:** WRENCH - STEERING ACTUATOR, NOSE LANDING GEAR (NLG)**AIRPLANE MAINTENANCE:** YES**COMPONENT MAINTENANCE:** YES

**USAGE & DESCRIPTION:** The A32035-1 wrench is used on all 757 airplanes. A32035 is a spanner wrench that locks into the nose landing gear steering actuator retaining nut. A customer-furnished 1/2-inch square drive wrench is used to adjust the retaining nut torque. Refer to AMM 32-51-11, AMM 32-51-12 and CMM 32-21-20 for complete usage instructions. A32035-1 consists of a nickel plated, 4130 steel wrench.

**WEIGHT:** 1 lb (0.9 kg)**DIMENSIONS:** 1 x 6 x 7 inches (25 x 152 x 178 mm)

**NLG Steering Actuator Wrench  
Figure 1**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32066-1**

**NAME:** ROLLER SWAGING AND REMOVAL EQUIPMENT - BEARING

**AIRPLANE MAINTENANCE:** NO

**COMPONENT MAINTENANCE:** YES

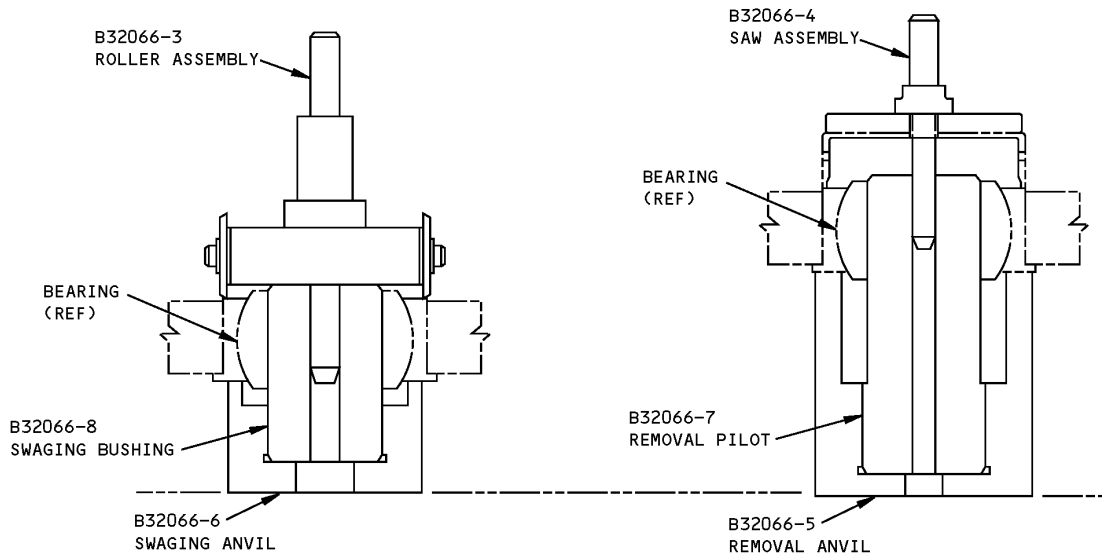
**USAGE & DESCRIPTION:** The B32066-1 roller swaging and removal equipment is used during component maintenance on all 757 airplanes. B32066 is used in the overhaul shop to swage and remove nose landing gear lower drag strut bearings. Refer to the current B32066 drawing and the Standard Overhaul Practice Manual SOPM 20-50-03 for complete usage instructions. B32066-1 consists of:

B32066-1		
QUANTITY	NOMENCLATURE	PART NUMBER
1	ROLLER ASSEMBLY	B32066-2
1	SAW ASSEMBLY	B32066-3
1	REMOVAL ANVIL	B32066-4
1	SWAGING ANVIL	B32066-5
1	REMOVAL PILOT	B32066-6
1	SWAGING BUSHING	B32066-7
1	STORAGE BOX	

**WEIGHT:** 25 lbs (11 kg)

**DIMENSIONS:** 4 x 9 x 9 inches (102 x 279 x 279 mm)

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Roller Swaging And Removal Equipment - Bearing**  
**Figure 1**





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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32007-1**

**NAME:** SLING EQUIPMENT - RETRACT ACTUATOR, NOSE LANDING GEAR (NLG)

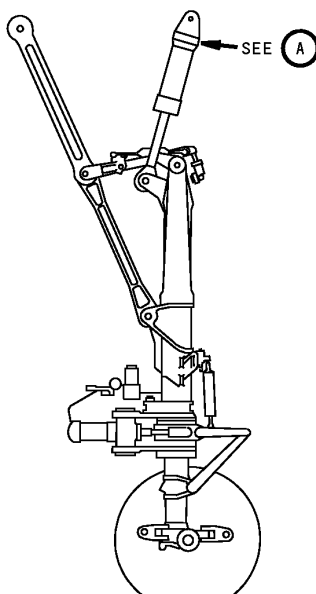
**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The B32007-1 sling equipment is used on all 757 airplanes. B32007 is used with the A32027 actuator pump and a customer-furnished fishpole hoist to remove or install the nose landing gear retract actuator. The retract actuator must be disconnected and retracted prior to hoisting. B32007-1 consists of a B32007-2 hanger assembly and a B32007-3 clamp assembly, both contained in a storage box.

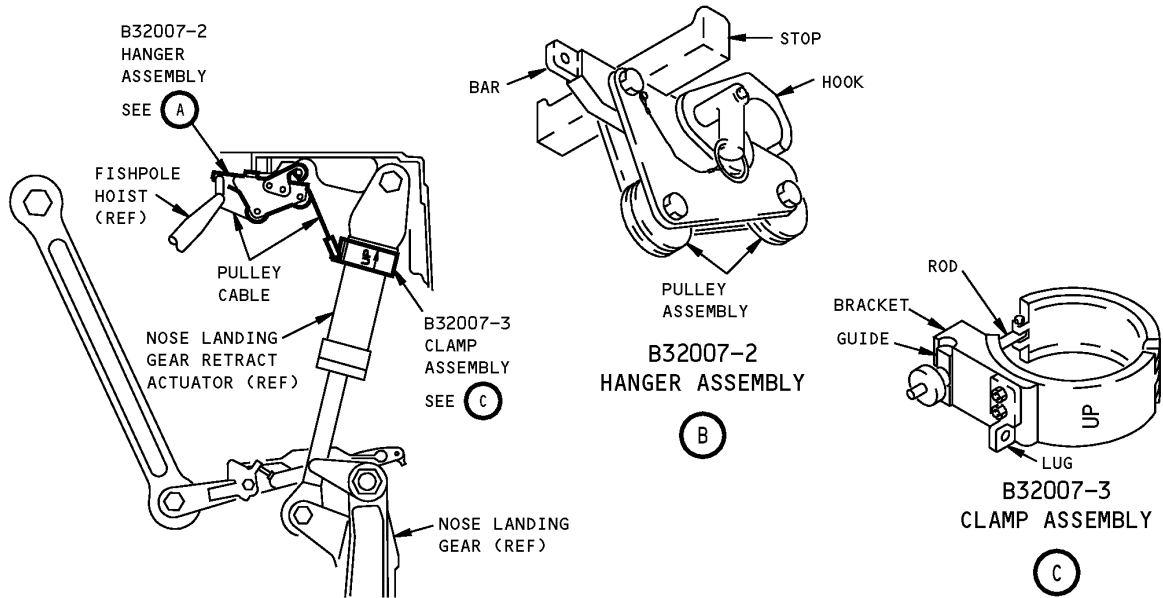
**WEIGHT:** 7 lbs (3.2 kg)

**DIMENSIONS:** 8 x 8 x 12 inches (203 x 203 x 305 mm)



**NLG Retract Actuator Sling Equipment  
Figure 1 (Sheet 1 of 2)**

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**NLG Retract Actuator Sling Equipment  
Figure 1 (Sheet 2 of 2)**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32012-45**

**NAME:** LOCK EQUIPMENT - DOOR ACTUATOR, MAIN LANDING GEAR (MLG)

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The B32012-45 lock equipment is used on all 757 airplanes. B32012 is used in the main landing gear wheel well to secure the landing gear door actuators against accidental operation. B32012-45 includes two B32012-15 lock assemblies, a B32012-39 clamp assembly and a B32012-40 clamp assembly. One B32012-15 lock and the B32012-39 clamp is required to lock the right-hand lock release and alternate extension system. The B32012-15 lock assemblies are used for all airplane maintenance on the main landing gear, B32012-39 or -40 tools are used only when working on the alternate extension system. Refer to AMM 32-00-15 and AMM 32-35-05 for complete usage instructions. B32012-45 consists of:

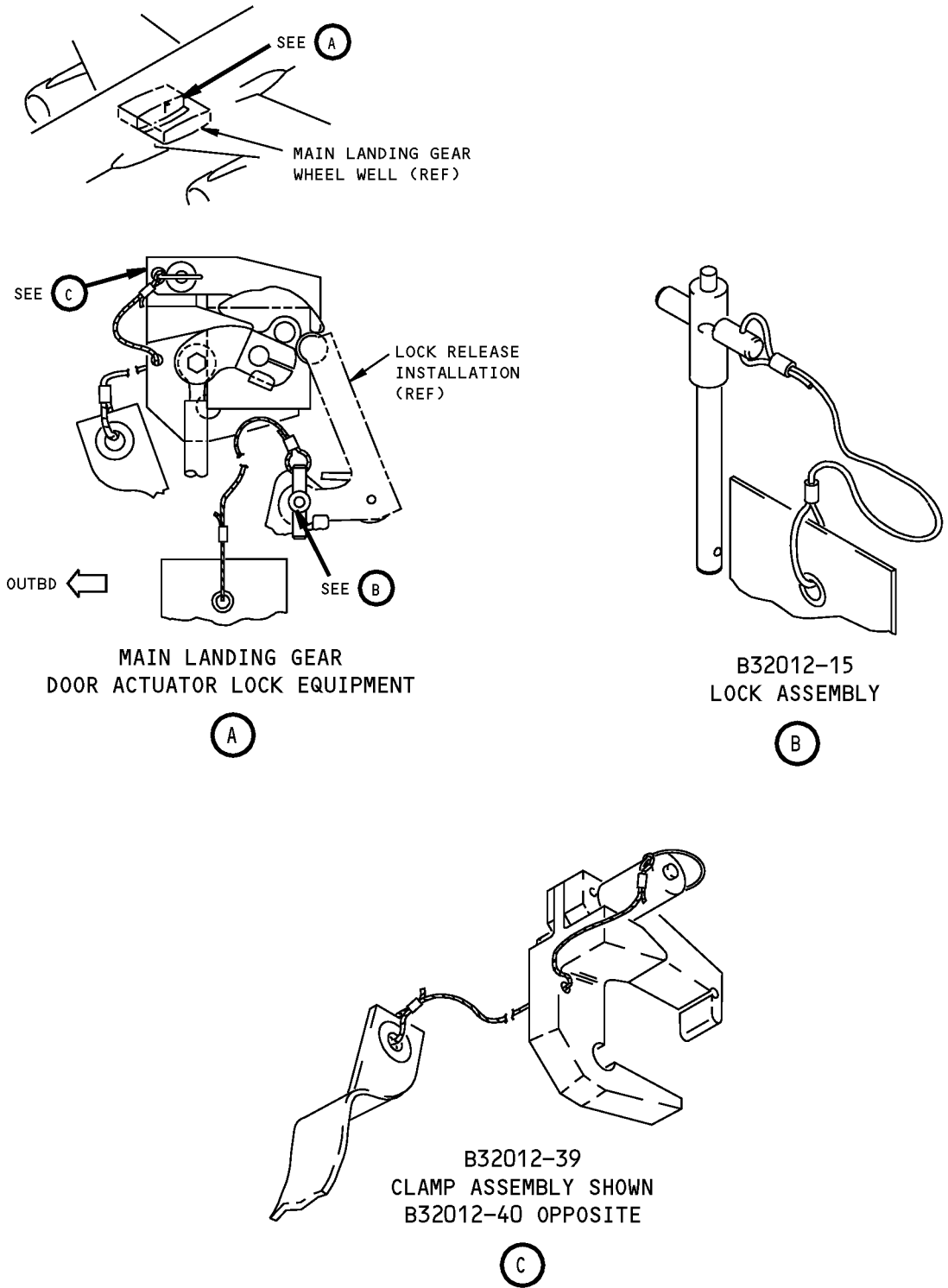
<b>B32012-45</b>		
<b>QUANTITY</b>	<b>NOMENCLATURE</b>	<b>PART NUMBER</b>
2	LOCK ASSEMBLY	B32012-15
1	CLAMP ASSEMBLY	B32012-39
1	CLAMP ASSEMBLY (OPPOSITE -39)	B32012-40
1	STORAGE BOX	

**WEIGHT:** 9 lbs (4.1 kg)

**DIMENSIONS:** 2 x 9 x 12 inches (51 x 229 x 305 mm)

**NOTE:** B32012-45 supersedes B32012-32.

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**MAIN LANDING GEAR DOOR ACTUATOR LOCK EQUIPMENT**

**B32012-15 LOCK ASSEMBLY**

**B32012-39 CLAMP ASSEMBLY SHOWN B32012-40 OPPOSITE**

**MLG Door Actuator Lock Equipment Figure 1**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: A32027-53, -175, -176, -178**

**NAME:** PUMP - RETRACTION/EXTENSION, LANDING GEAR ACTUATOR

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The A32027-53, -175, -176 or -178 pump is used on all 757 airplanes. The A32027 retraction/extension pump is used to provide the necessary hydraulic power to retract or extend the main landing gear and nose landing gear retract actuator during removal or installation.

The A32027-53 is preferred for 757 and 767-200/300 airplanes, as it contains only the equipment (including adapter assemblies A32027-36,-37,-38 and -46) required for those airplanes. A32027-175 pump will service the 757, 767-200/300 and the 777-200/200ER/300 airplanes. The A32027-176 pump will service the 757, 767-200/300/400 and 777-200/200ER/300 airplanes. The A32027-178 pump will service the 757, 767-200/300/400 and 777-200/200ER/300/300ER airplanes. The A32027-175, -176 and -178 pumps include adapter assemblies that are not required for use on the 757.

The A32027-53, -175, -176 and -178 all include an A32027-152 central pump assembly. The A32027-152 central pump assembly has as preferred equipment, a P-80 pump with an SPL2230S2 seal kit installed by the manufacturer. An option for the A32027-152 central pump assembly is SPL2226H1 pump. Enerpac manufactures both the P-80 and SPL2226H1 pumps.

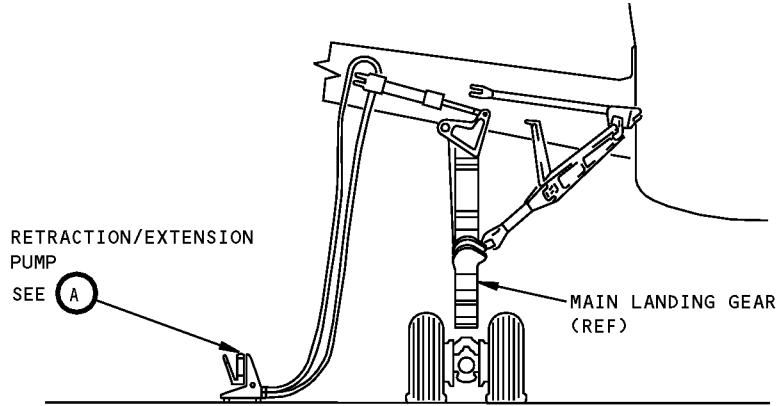
The A32027 pump is used with the B32007 sling equipment for nose landing gear. The A32027 pump is used with the B32008 hoist adapter for main landing gear. The A32027 pump is also used to facilitate the removal/ installation of nose/main landing gear actuators. For complete usage instructions, refer to AMM 32-32-01 for main landing gear and AMM 32-34-01 for nose landing gear.

**WEIGHT:** 70 lbs (32 kg)

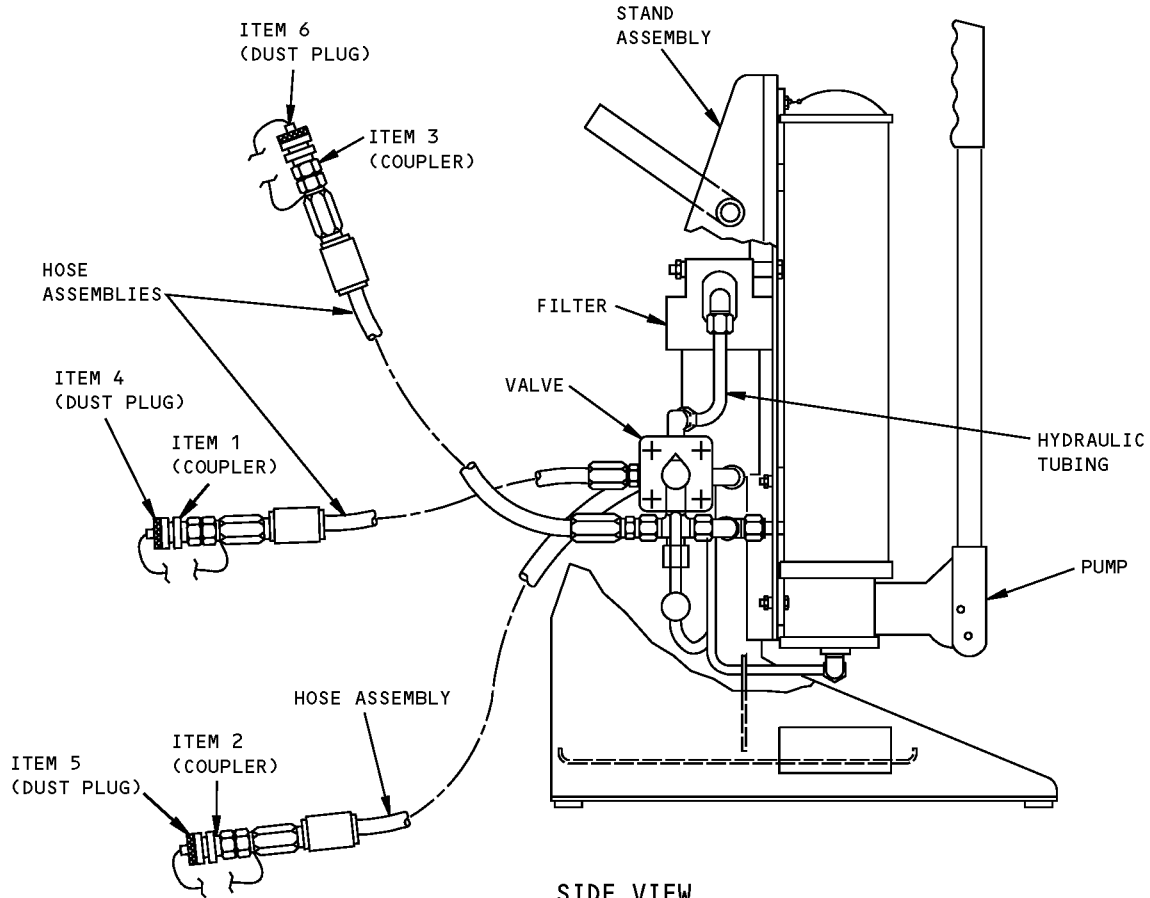
**DIMENSIONS:** 21 x 34 x 43 inches (533 x 864 x 1092 mm)

**NOTE:** A32027-53 supersedes A32027-48.  
A32027-53 is preferred for future procurement for 757 and 767-200/300 fleets. A32027-175, -176 and -178 supersedes A32027-90, -153 and -166 respectively. A32027-178 replaces A32027-175 and -176 for future procurement.

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



757 MAIN LANDING GEAR SHOWN  
757 NOSE LANDING GEAR SIMILAR

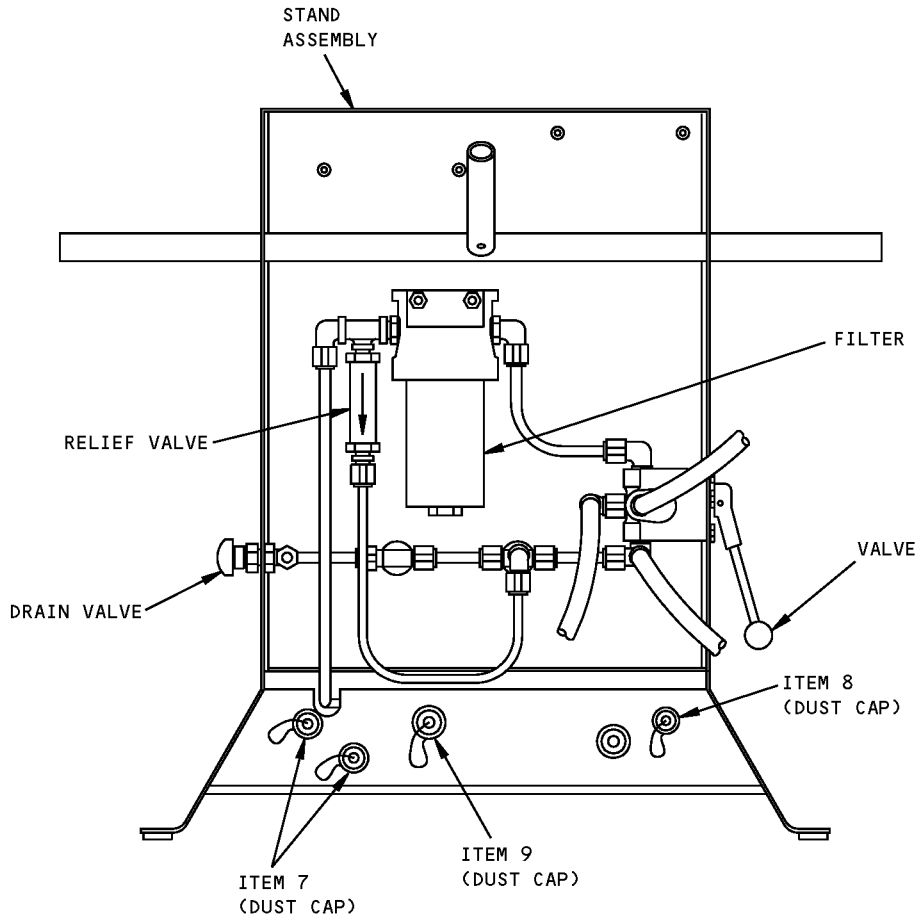


SIDE VIEW  
A32027-53 ASSEMBLY



**Landing Gear Actuator Retraction/Extension Pump  
Figure 1 (Sheet 1 of 7)**

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

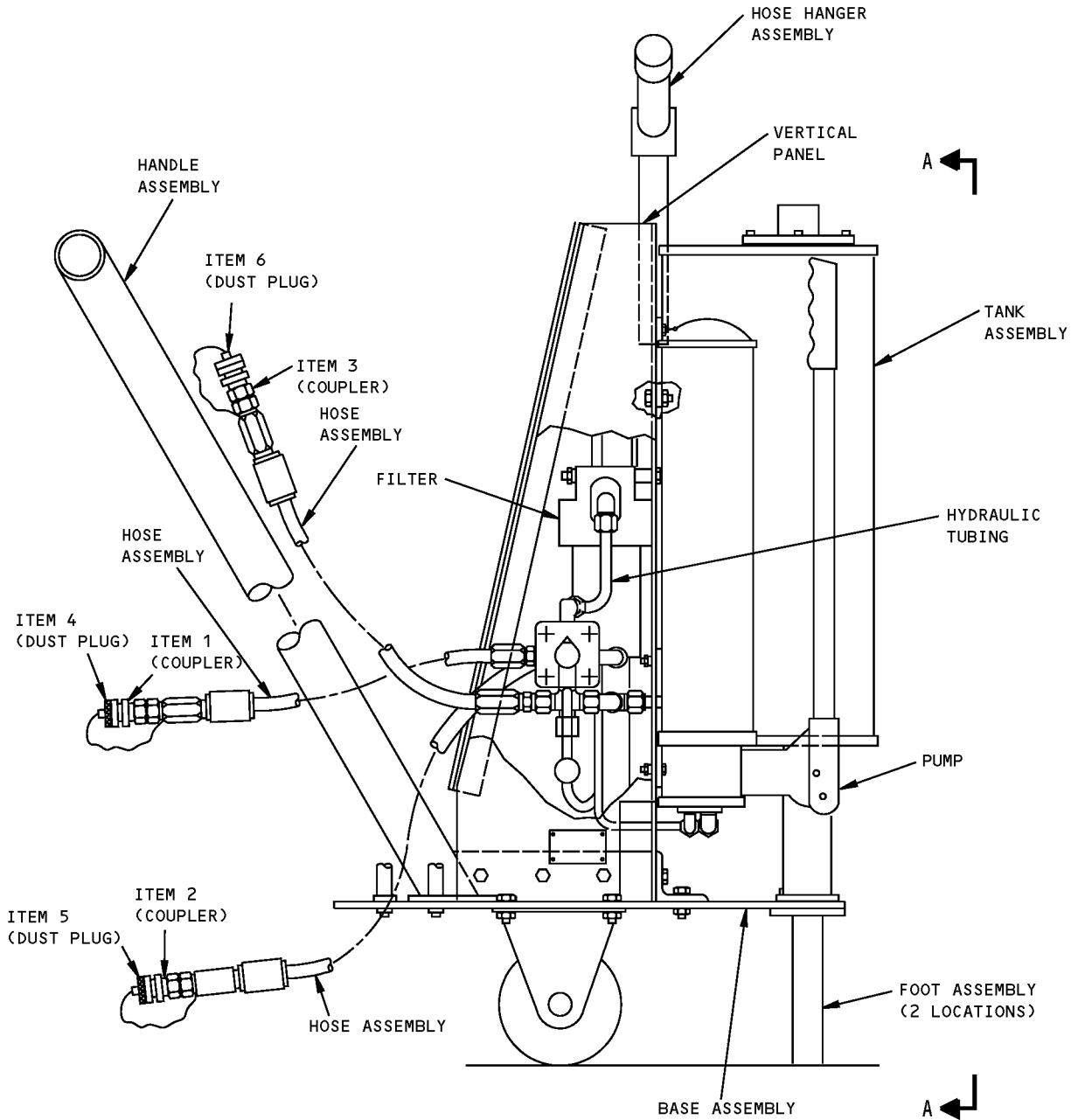


FRONT VIEW  
A32027-53 ASSEMBLY

(A)

**Landing Gear Actuator Retraction/Extension Pump  
Figure 1 (Sheet 2 of 7)**

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



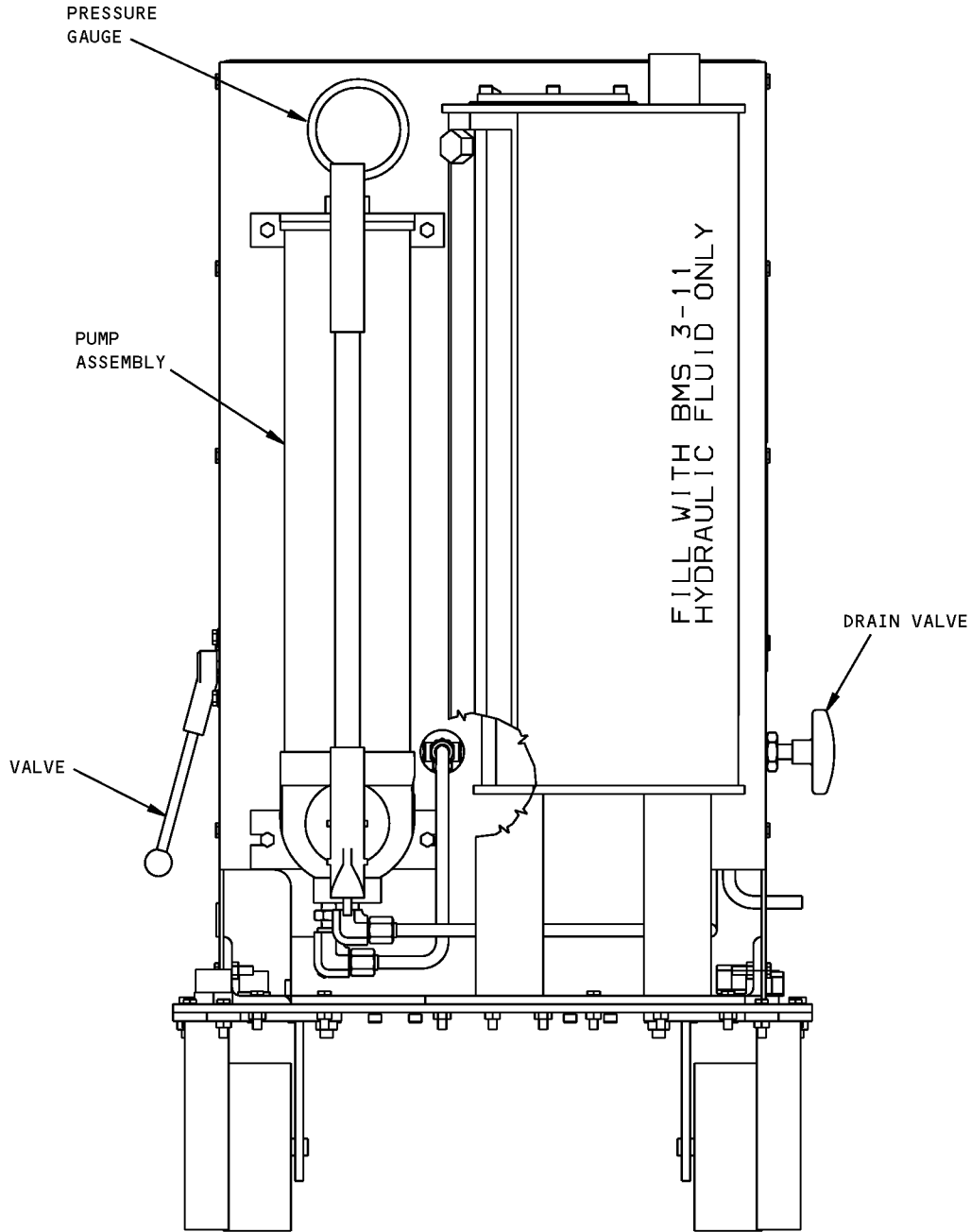
A32027-178 PUMP SHOWN  
A32027-175,-176 SIMILAR

(A)

**Landing Gear Actuator Retraction/Extension Pump  
Figure 1 (Sheet 3 of 7)**

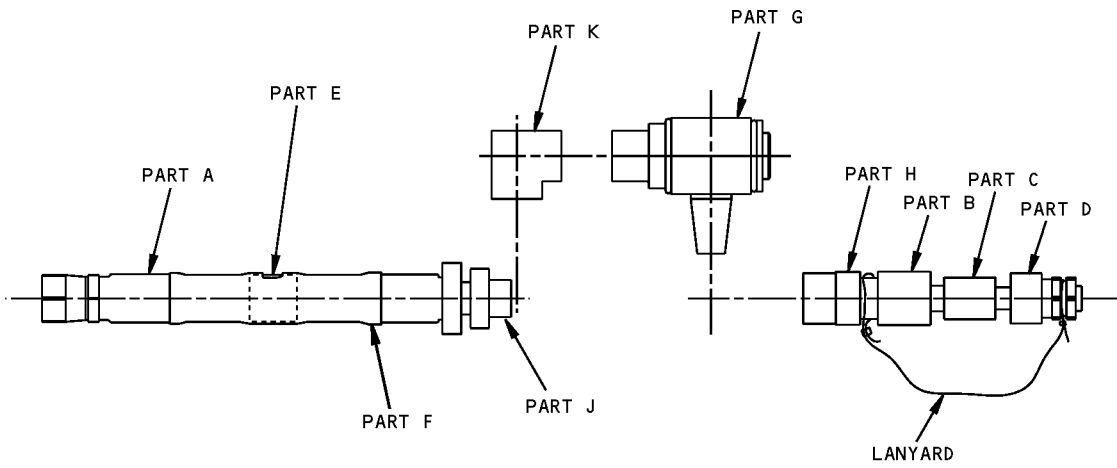


**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



A-A  
A32027-178 PUMP SHOWN  
A32027-175,-176,-177 SIMILAR

**Landing Gear Actuator Retraction/Extension Pump  
Figure 1 (Sheet 4 of 7)**





**Landing Gear Actuator Retraction/Extension Pump  
Figure 1 (Sheet 5 of 7)**

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

ADAPTER ASSEMBLY CONFIGURATTION CHART								
PART NUMBER		PART A	PART B	PART C	PART D	PART E	PART F	PART G
A32027-36	1	---	---	ITEM 10	ITEM 7	---	---	---
A32027-37	1	---	---	SVHN6-6FEPR	ITEM 8	---	---	---
A32027-38	1	---	---	SVHN8-8FEPR	ITEM 8	---	---	---
A32027-46	1	---	---	SVHN4-4FEPR	ITEM 7	---	---	---
A32027-179	2	3041201-12-12-12-9	0201-12-8	ITEM 12	ITEM 8	MARKER	MARKER	S2201E-12-12
A32027-180	2	3041201-12-12-12-9	0201-12-8	ITEM 11	ITEM 7	MARKER	MARKER	S2201E-12-12
A32027-146	2	3041201-8-6-6-8	0102-8-6	ITEM 12	ITEM 8	MARKER	MARKER	---
A32027-147	2	3041201-10-8-8-9	0201-8-6	ITEM 10	ITEM 7	MARKER	MARKER	---
A32027-181	2	3041201-10-8-8-9	0201-8-6	ITEM 12	ITEM 8	MARKER	MARKER	---
A32027-182	2	3041201-6-6-6-8	0102-8-6	ITEM 10	ITEM 7	MARKER	MARKER	---
A32027-150	2	3041201-10-6-8-9	0102-8-6	ITEM 12	ITEM 8	MARKER	MARKER	---
A32027-151	2	3041201-8-8-8-9	0201-8-6	ITEM 10	ITEM 7	MARKER	MARKER	---
A32027-155	2	---	0201-12-8	ITEM 12	ITEM 8	MARKER	MARKER	12-U6EF-S
A32027-156	2	---	0201-8-4	SVHN4-4FEPR	ITEM 7	---	---	---
A32027-168	2	3041201-16-16-16-9	0201-12-8	ITEM 12	ITEM 8	MARKER	MARKER	S2101E-12-12

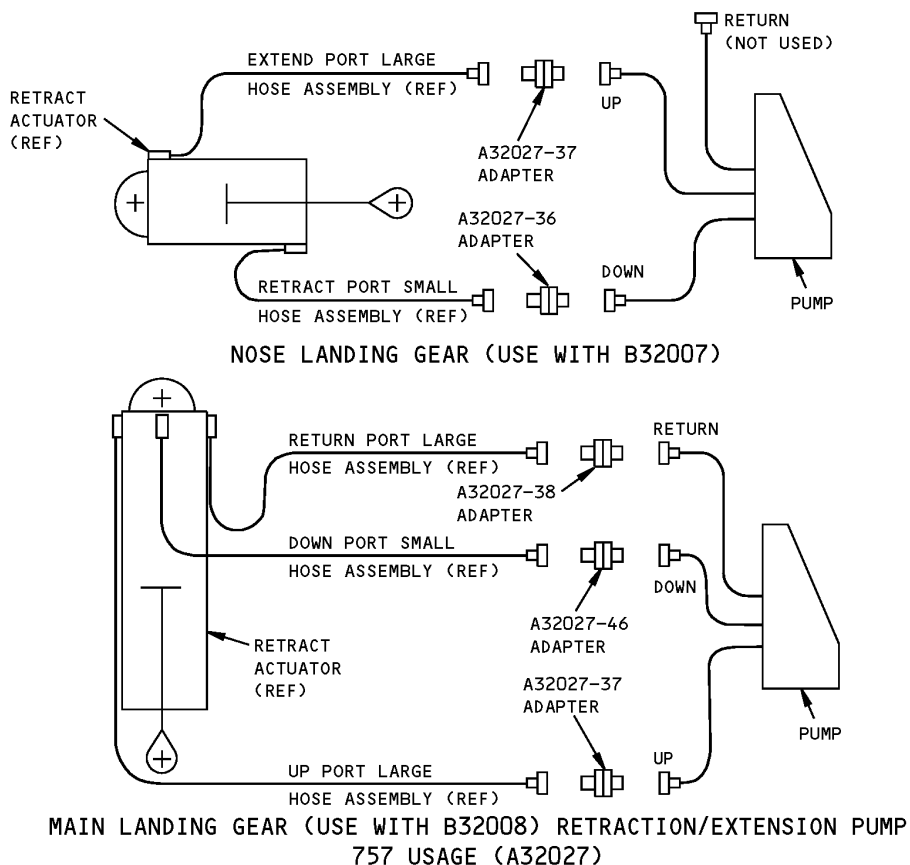
ADAPTER ASSEMBLY CONFIGURATTION CHART (CONT)				
PART NUMBER		PART H	PART J	PART K
A32027-36	1	0111-6-6	---	---
A32027-37	1	0111-6-8	---	---
A32027-38	1	0111-8-10	---	---
A32027-46	1	0111-4-4	---	---
A32027-179	2	---	---	---
A32027-180	2	---	---	---
A32027-146	2	---	---	---
A32027-147	2	---	---	---
A32027-181	2	---	---	---
A32027-182	2	---	---	---
A32027-150	2	---	---	---
A32027-151	2	---	---	---
A32027-155	2	---	---	---
A32027-156	2	0111-8-12	---	---
A32027-168	2	---	0201-16-12	2202-12-12

**A32027 ADAPTER ASSEMBLY  
PART NUMBERS AND COMPONENTS**

-  FOR USE ON ALL 757
-  FOR USE ON OTHER AIRPLANES

**Landing Gear Actuator Retraction/Extension Pump  
Figure 1 (Sheet 6 of 7)**

**757**  
**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Landing Gear Actuator Retraction/Extension Pump  
Figure 1 (Sheet 7 of 7)**

<b>REPAIRABLE/REPLACEABLE PARTS</b>			
<b>ITEM NO.</b>	<b>PART NO.</b>	<b>NOMENCLATURE</b>	<b>VENDOR CODE</b>
1	SVHC4-4FEPR	COUPLER	V78357
2	SVHC6-6FEPR	COUPLER	V78357
3	SVHC8-8FEPR	COUPLER	V78357
4	AMPH-4	DUST PLUG	V78357
5	AMPH-6	DUST PLUG	V78357
6	AMPH-8	DUST PLUG	V78357
7	SMCH-4	DUST CAP	V78357
8	SMCH-6	DUST CAP	V78357



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ILLUSTRATED TOOL AND EQUIPMENT MANUAL

REPAIRABLE/REPLACEABLE PARTS			
ITEM NO.	PART NO.	NOMENCLATURE	VENDOR CODE
9	SMCH-8	DUST CAP	V78357
10	SVHN4-6FEPR	NIPPLE	V78357
11	SVHN4-8FEPR	NIPPLE	V78357
12	SVHN6-8FEPR	NIPPLE	V78357



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32026-1**

**NAME:** FIXTURE - STAKING, ACTUATOR, NOSE LANDING GEAR LOCK

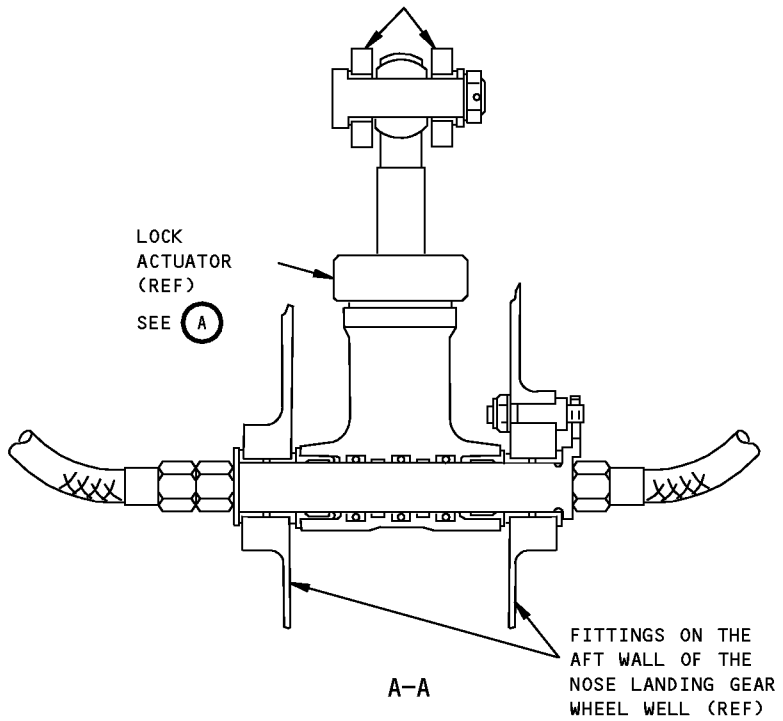
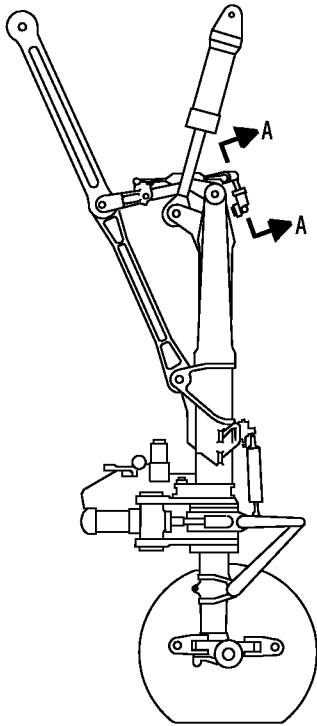
**AIRPLANE MAINTENANCE:** NO

**COMPONENT MAINTENANCE:** YES

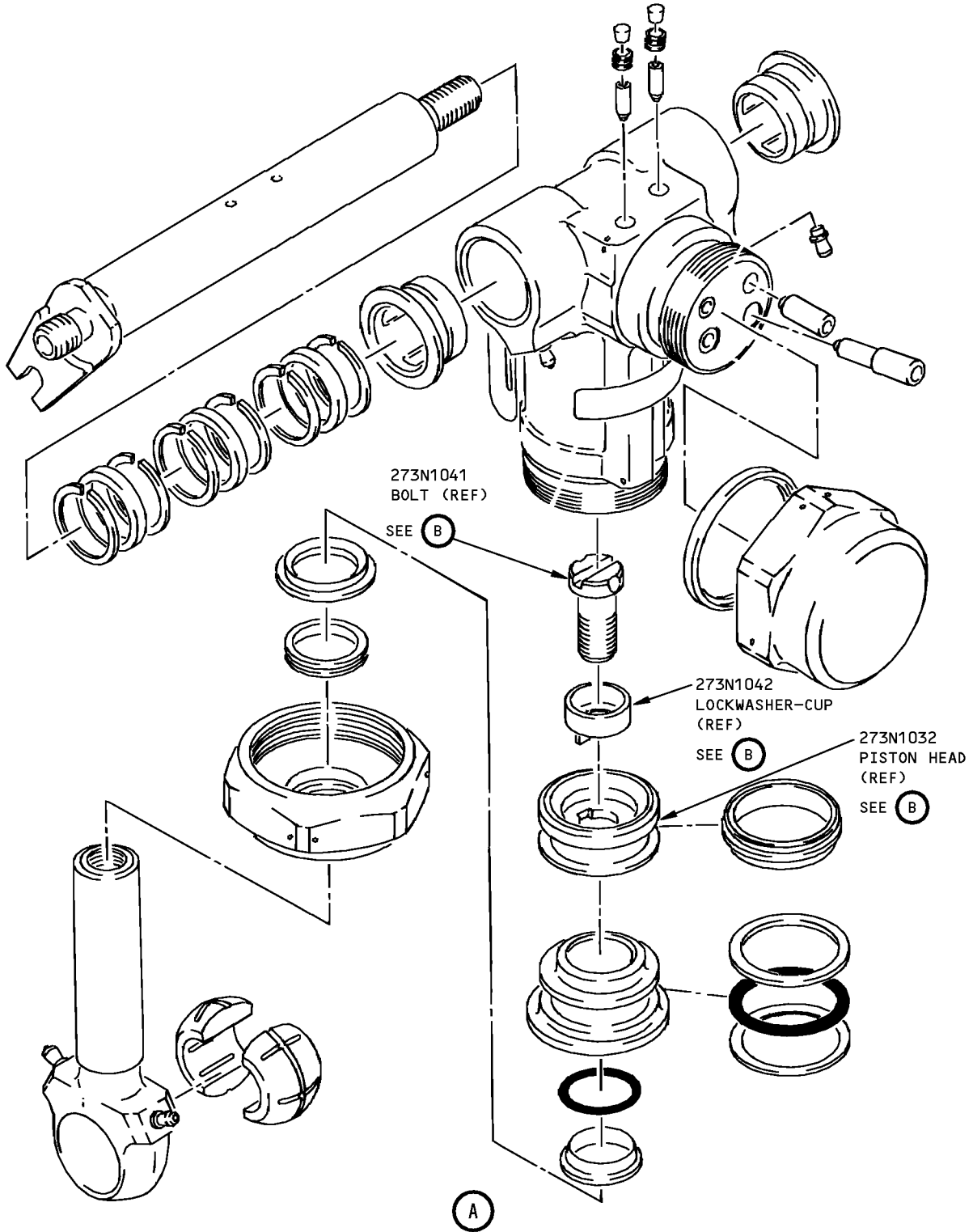
**USAGE & DESCRIPTION:** The B32026-1 fixture is used during component maintenance on all 757 airplanes. B32026 is used to hold the piston rod and piston head of the 273N1041 nose landing gear lock actuator while staking the 273N1042 lockwasher-cup into the scallops of the bolt head. Refer to the current B32026-1 drawing and CMM 32-34-02 for complete usage instructions. B32026-1 consists of a B32026-2 fixture assembly and two B32026-4 staking supports, both contained in a storage box.

**WEIGHT:** 10 lbs (4.5 kg)

**DIMENSIONS:** 6 x 8 x 13 inches (152 x 203 x 330 mm)



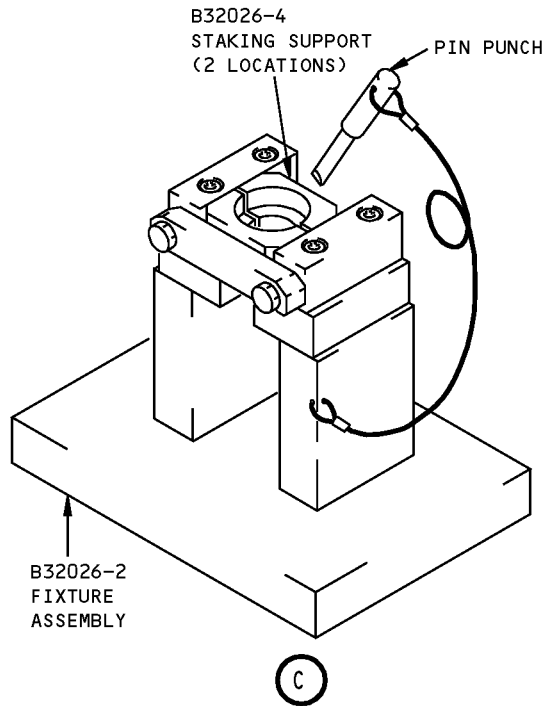
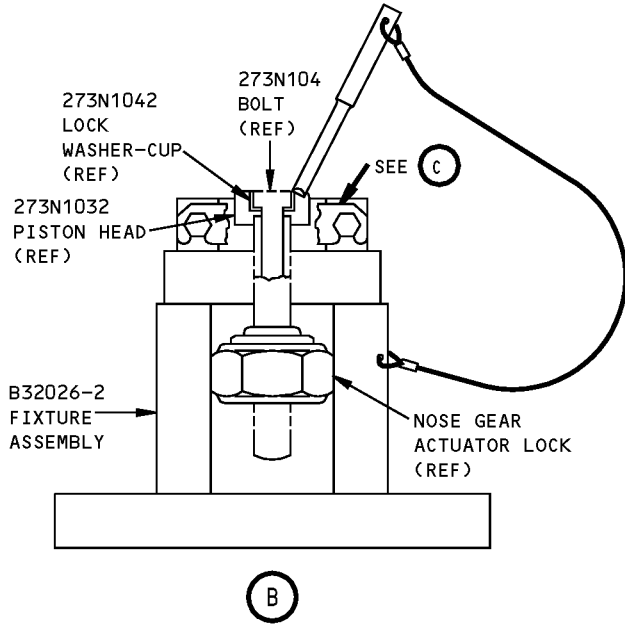
**Nose Landing Gear Lock Actuator Staking Fixture  
Figure 1 (Sheet 1 of 3)**



Nose Landing Gear Lock Actuator Staking Fixture  
Figure 1 (Sheet 2 of 3)



**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Nose Landing Gear Lock Actuator Staking Fixture  
Figure 1 (Sheet 3 of 3)**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32030-1**

**NAME:** FIXTURE - LOCK ACTUATOR, OVERHAUL EQUIPMENT, NOSE LANDING GEAR (NLG)

**AIRPLANE MAINTENANCE:** NO

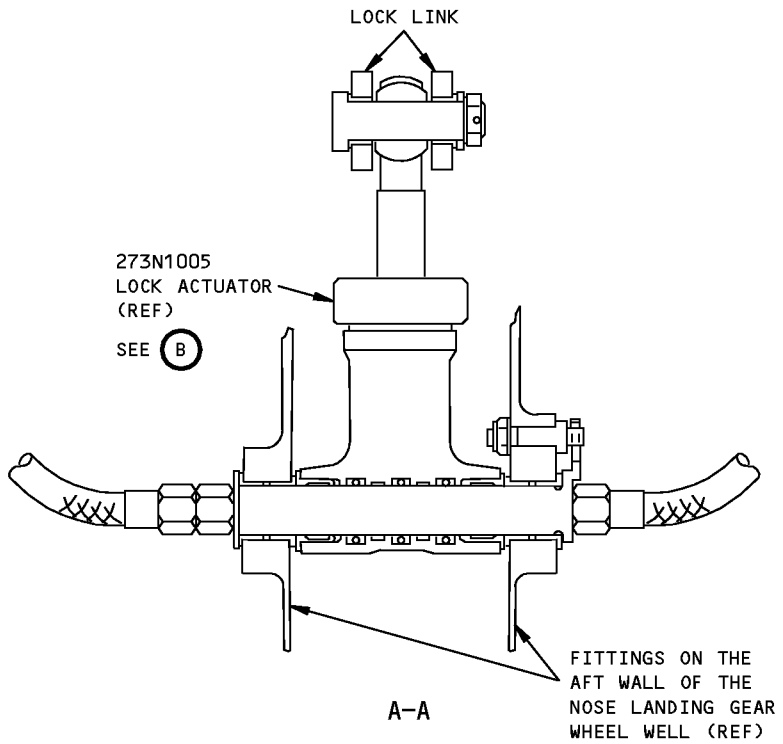
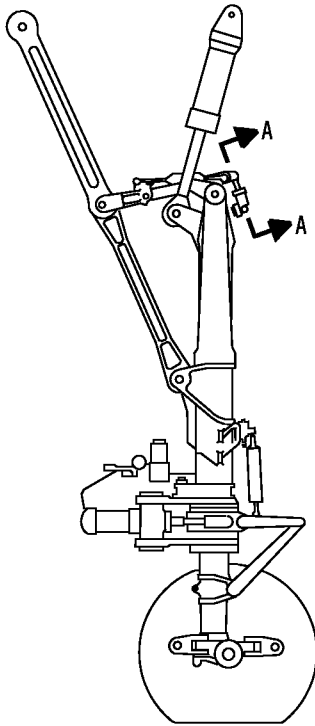
**COMPONENT MAINTENANCE:** YES

**USAGE & DESCRIPTION:** The B32020-1 fixture is used during component maintenance on all 757 airplanes. B32020 is used to secure and test the nose landing gear actuator during component maintenance. Refer to the current B32030 drawing and CMM 32-34-32 for complete usage instructions. B32020-1 consists of:

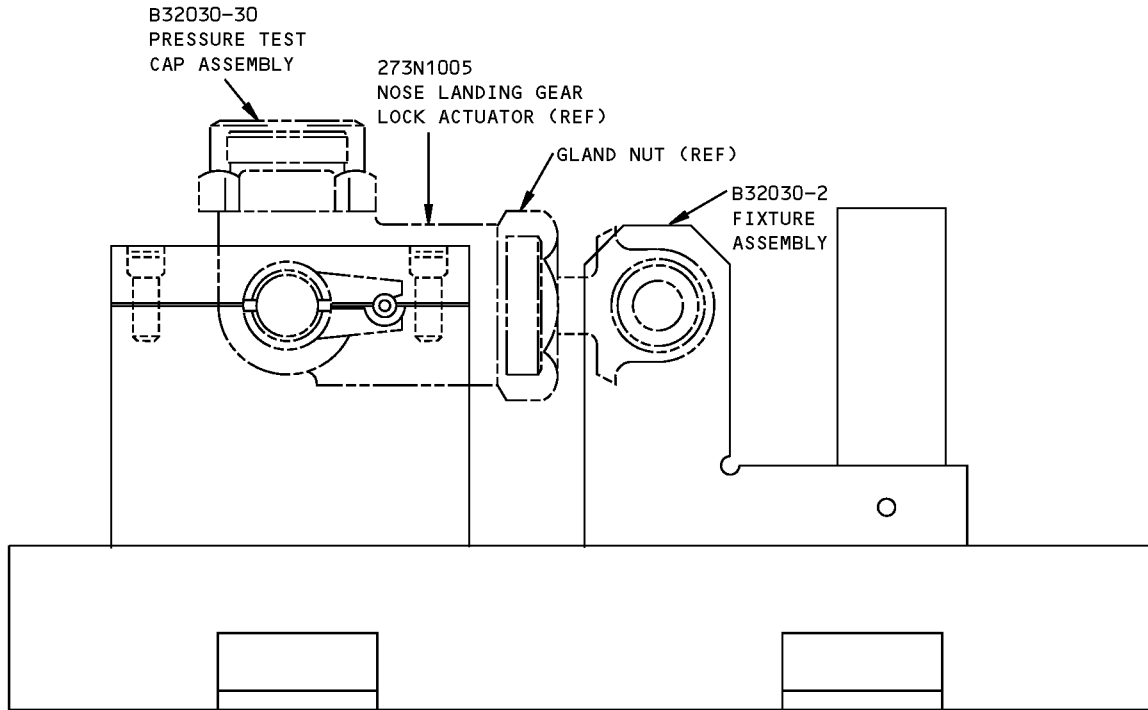
B32020-1		
QUANTITY	NOMENCLATURE	PART NUMBER
1	FIXTURE ASSEMBLY	B32020-2
2	GUIDE	B32020-19
1	SPACER	B32020-22
1	BENDER	B32020-23
1	PLUNGER	B32020-24
1	RESIZER	B32020-25
1	PRESSURE TEST CAP ASSEMBLY	B32020-30
1	STORAGE BOX	

**WEIGHT:** 40 lbs (18 kg)

**DIMENSIONS:** 8 x 20 x 20 inches (203 x 508 x 508 mm)



**NLG Overhaul Equipment Lock Actuator Fixture**  
**Figure 1 (Sheet 1 of 3)**

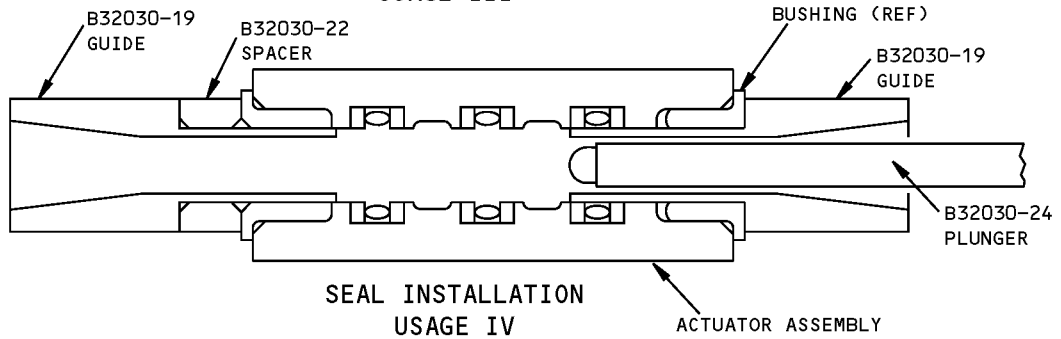
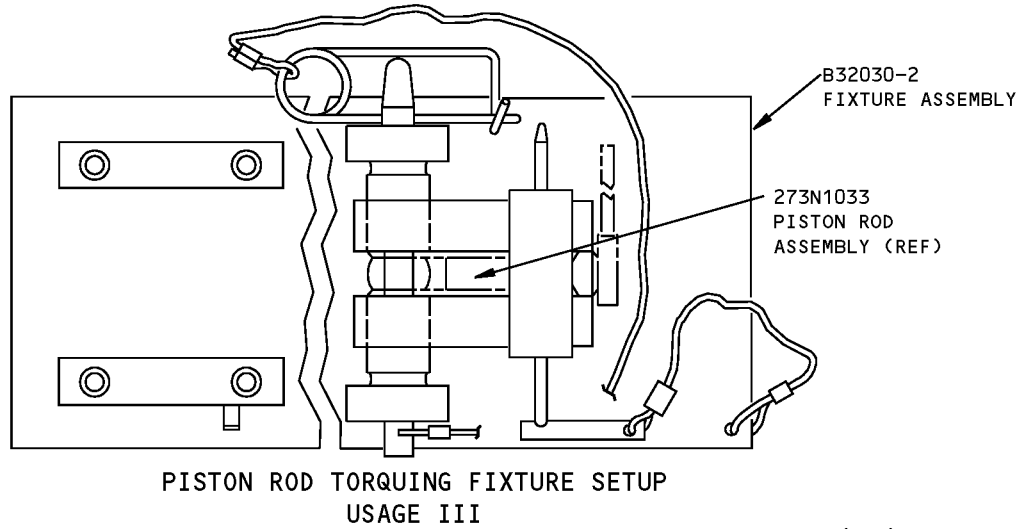
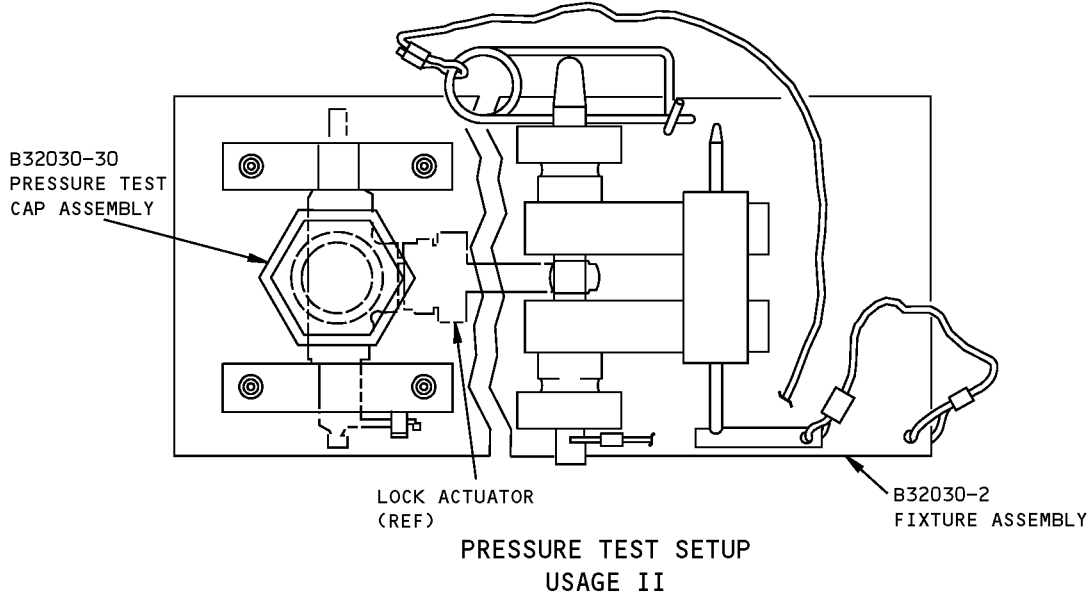


**TORQUING FIXTURE  
USAGE I**



**NLG Overhaul Equipment Lock Actuator Fixture  
Figure 1 (Sheet 2 of 3)**

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



(B)

**NLG Overhaul Equipment Lock Actuator Fixture  
Figure 1 (Sheet 3 of 3)**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32033-1**

**NAME:** WRENCH EQUIPMENT - ALTERNATE LOCKUP RELEASE, ACTUATOR LOCK RING, MAIN LANDING GEAR (MLG)

**AIRPLANE MAINTENANCE:** NO

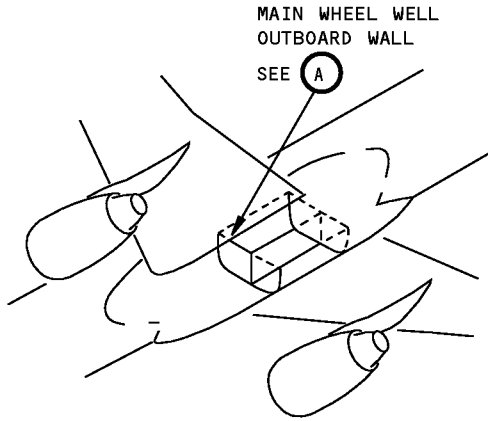
**COMPONENT MAINTENANCE:** YES

**USAGE & DESCRIPTION:** The B32033-1 wrench equipment is used during component maintenance on all 757 airplanes. B32033 is used to hold the 273N4060, 273N4059 or 273N4004 uplock actuator assembly and torque the 273N4059-1 lock ring with a customer-furnished torque wrench. Refer to CMM 32-35-13 for complete usage instructions. B32033-1 consists of the B32033-2 hold assembly and a B32033-4 adapter, both contained in a storage box.

**WEIGHT:** 3 lbs (2.3 kg)

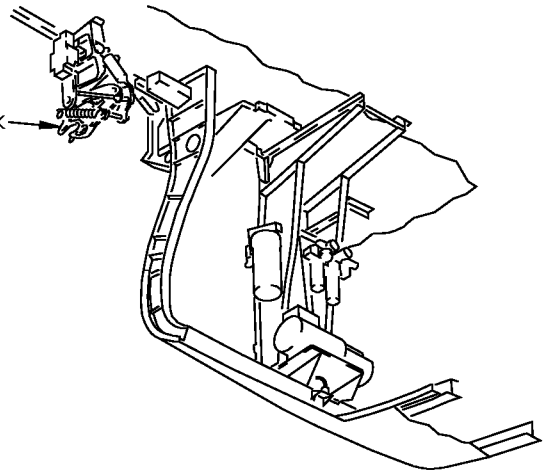
**DIMENSIONS:** 5 X 6 X 10 inches (127 x 152 x 254 mm)

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



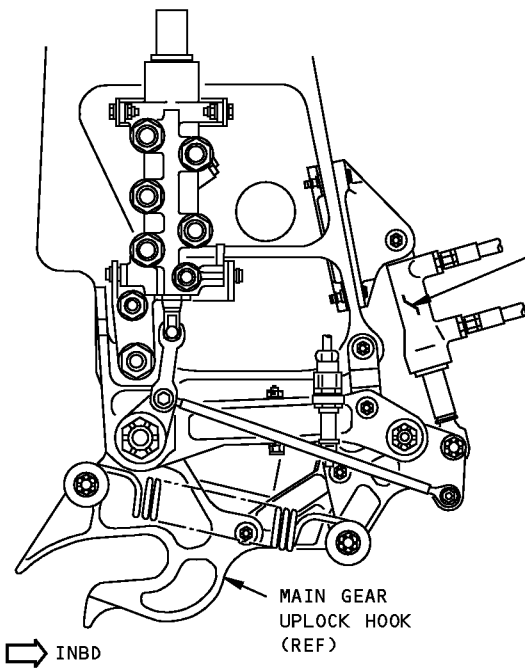
LEFT OR RIGHT  
MAIN GEAR UPLOCK  
ASSEMBLY (REF)

SEE (B)



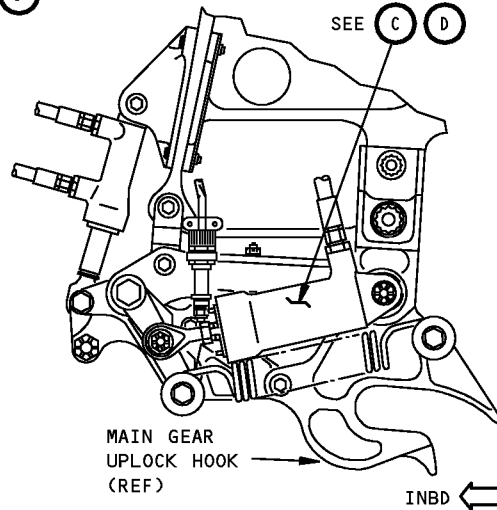
LEFT MAIN  
WHEEL WELL OUTBOARD WALL  
(RIGHT SIMILAR)

(A)



MAIN GEAR ALTERNATE  
UPLOCK RELEASE ACTUATOR  
(REF)

SEE (C) (D)

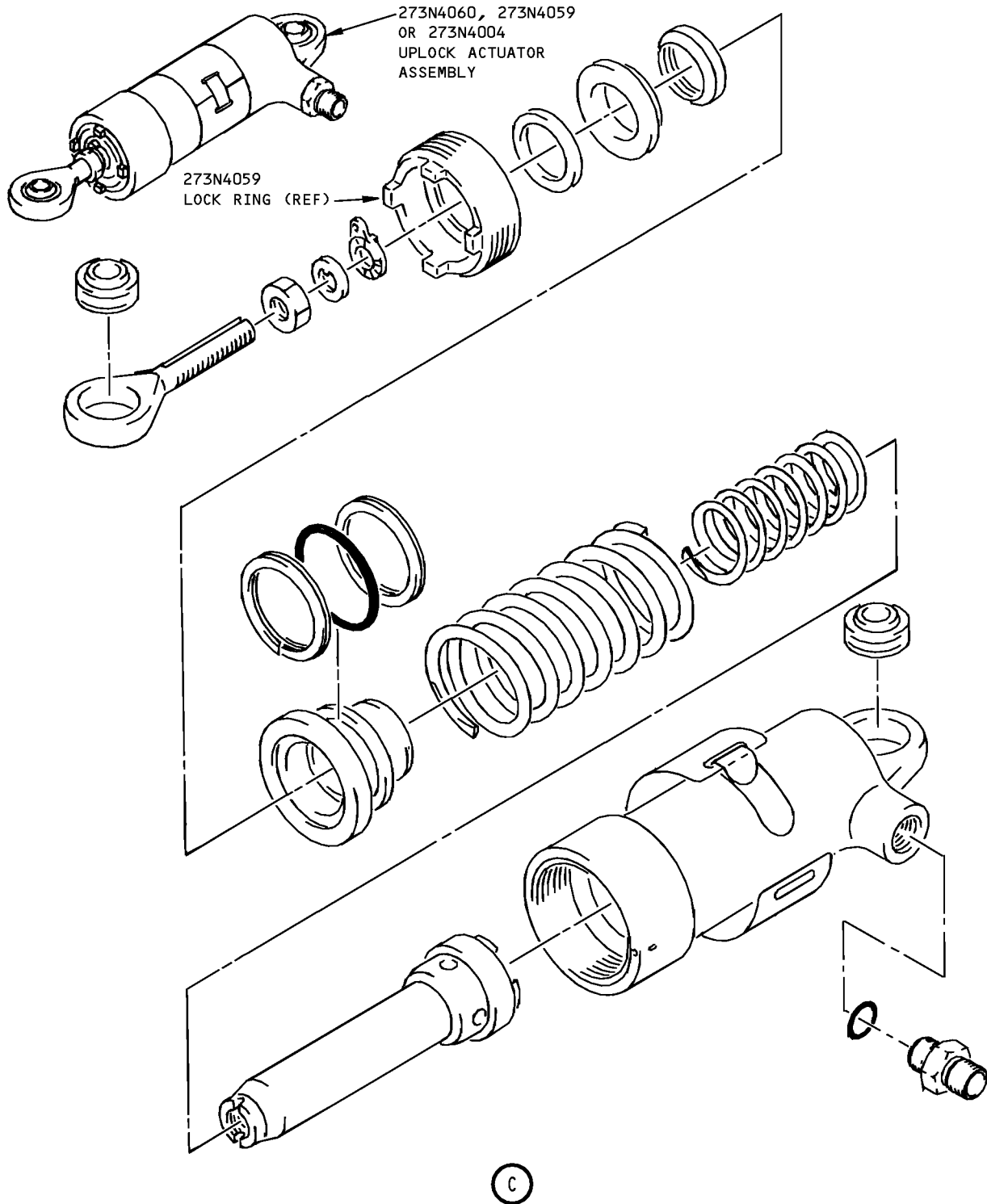


LEFT OR RIGHT MAIN GEAR UPLOCK ASSEMBLY

(B)

**MLG Alternate Lockup Release, Actuator Lock Ring, Wrench Equipment  
Figure 1 (Sheet 1 of 3)**

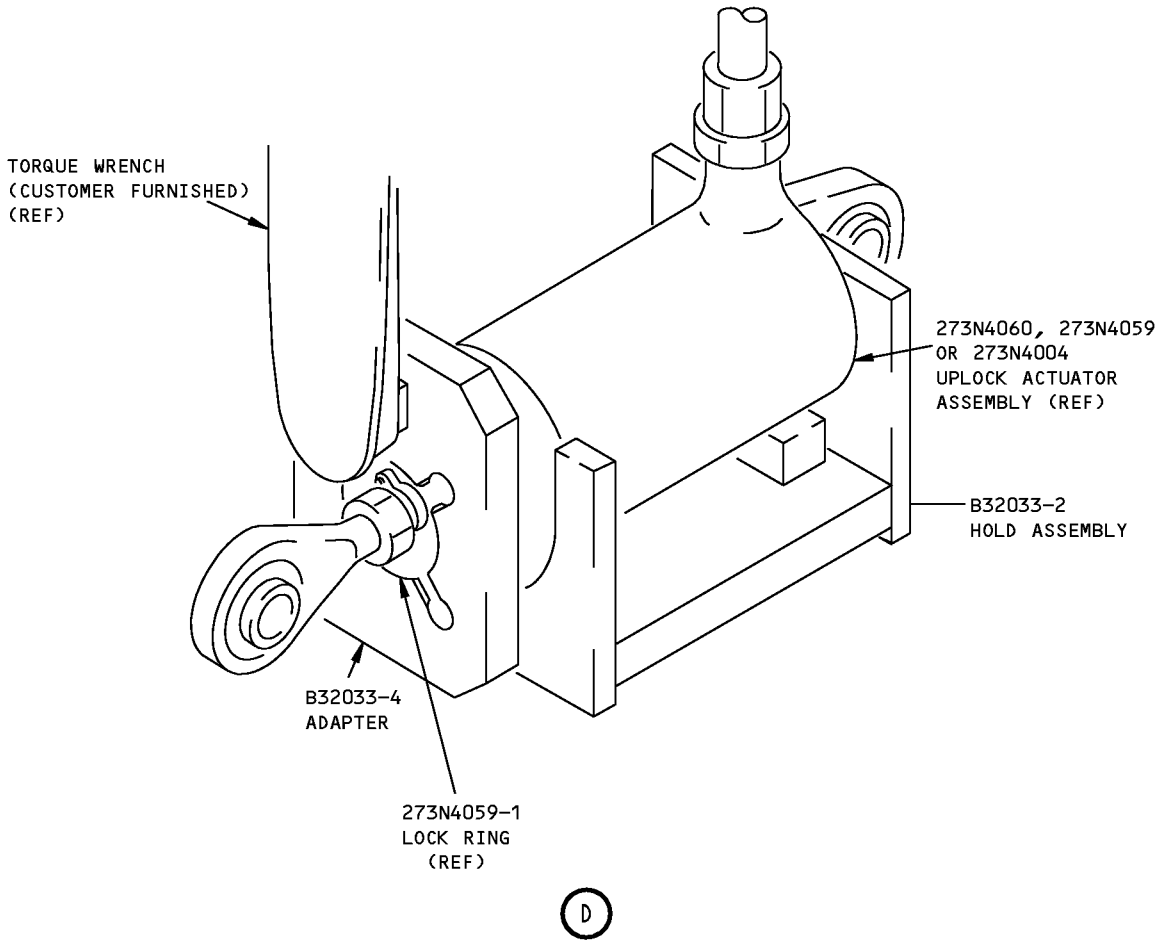
**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**MLG Alternate Lockup Release, Actuator Lock Ring, Wrench Equipment  
Figure 1 (Sheet 2 of 3)**



**757  
ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**MLG Alternate Lockup Release, Actuator Lock Ring, Wrench Equipment  
Figure 1 (Sheet 3 of 3)**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32034-1**

**NAME:** WRENCH EQUIPMENT - ALTERNATE UPLOCK RELEASE ACTUATOR, LOCK RING, NOSE LANDING GEAR (NLG)

**AIRPLANE MAINTENANCE:** NO

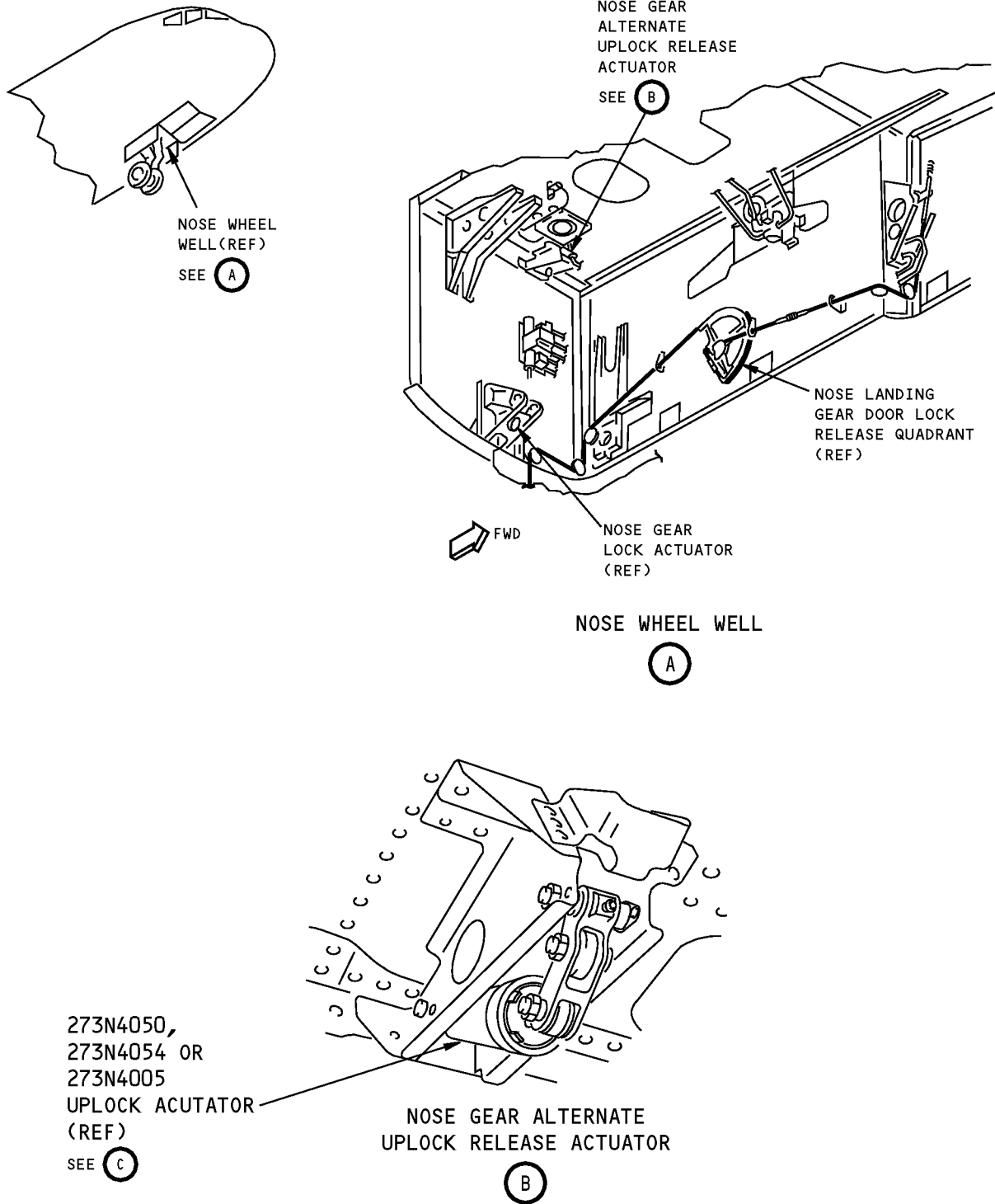
**COMPONENT MAINTENANCE:** YES

**USAGE & DESCRIPTION:** The B32024-1 wrench equipment is used during component maintenance on all 757 airplanes. B32024 is used to hold the 273N4050, 273N4054 or 273N4005 actuator assembly and torque the 273N4054-1 lock ring. Refer to CMM 32-36-25 for complete usage instructions. B32024-1 consists of the B32024-2 holder assembly and B32024-3 adapter, both contained in a storage box. .

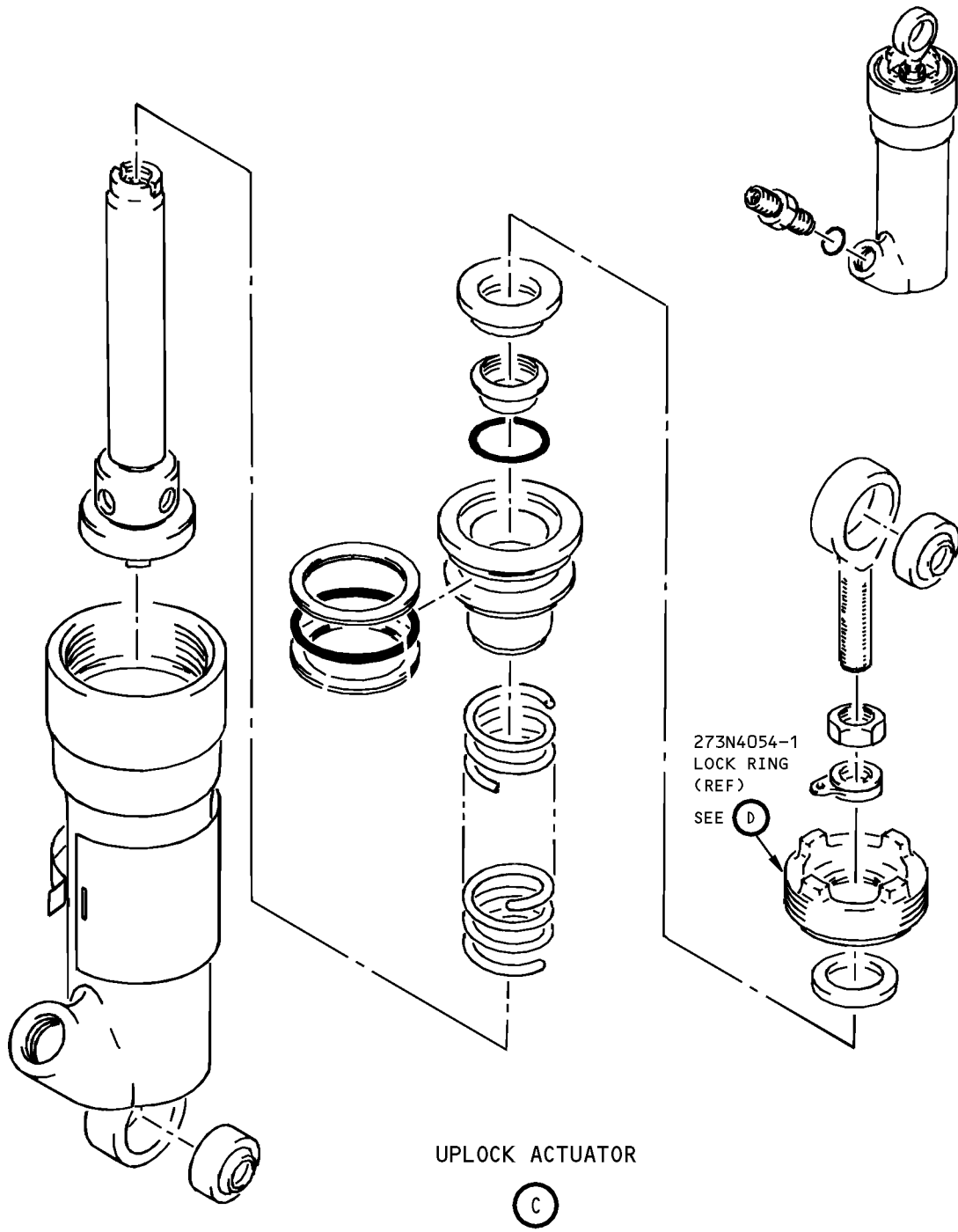
**WEIGHT:** 3 lbs (1.4 kg)

**DIMENSIONS:** 5 x 6 x 10 inches (127 x 152 x 254 mm)

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

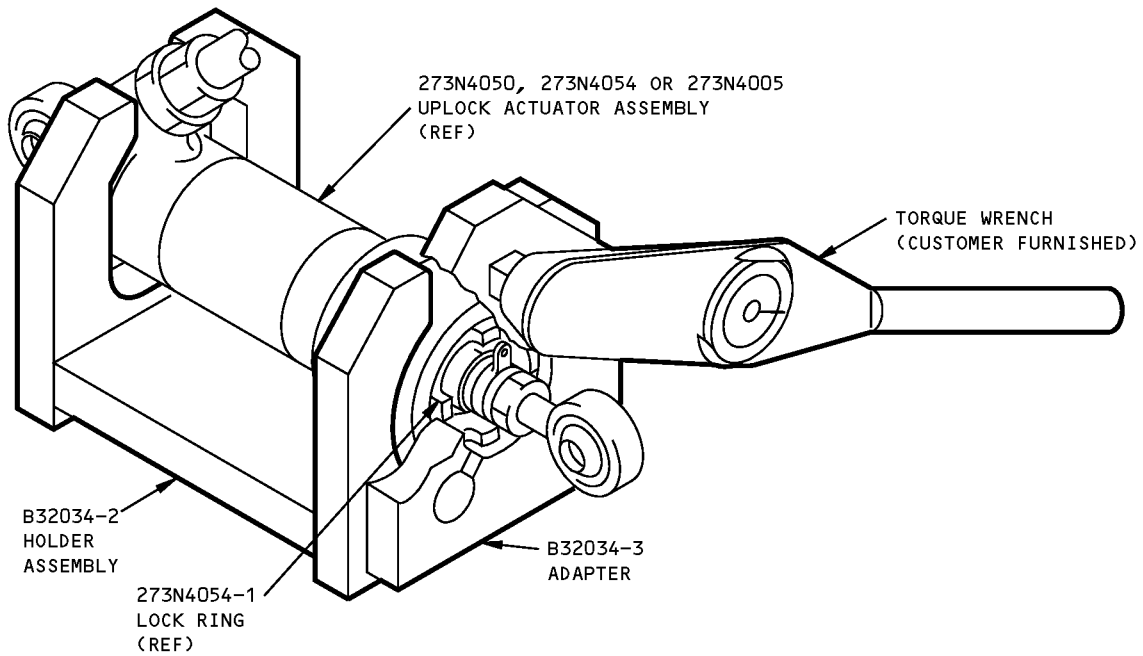


**NLG Lock Ring Alternate Uplock Release Actuator Wrench Equipment  
Figure 1 (Sheet 1 of 3)**



**NLG Lock Ring Alternate Uplock Release Actuator Wrench Equipment**  
**Figure 1 (Sheet 2 of 3)**

**757**  
**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**NLG Lock Ring Alternate Uplock Release Actuator Wrench Equipment**  
**Figure 1 (Sheet 3 of 3)**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32031-1**

**NAME:** TORQUING EQUIPMENT - RETRACT ACTUATOR, NOSE LANDING GEAR (NLG)

**AIRPLANE MAINTENANCE:** NO

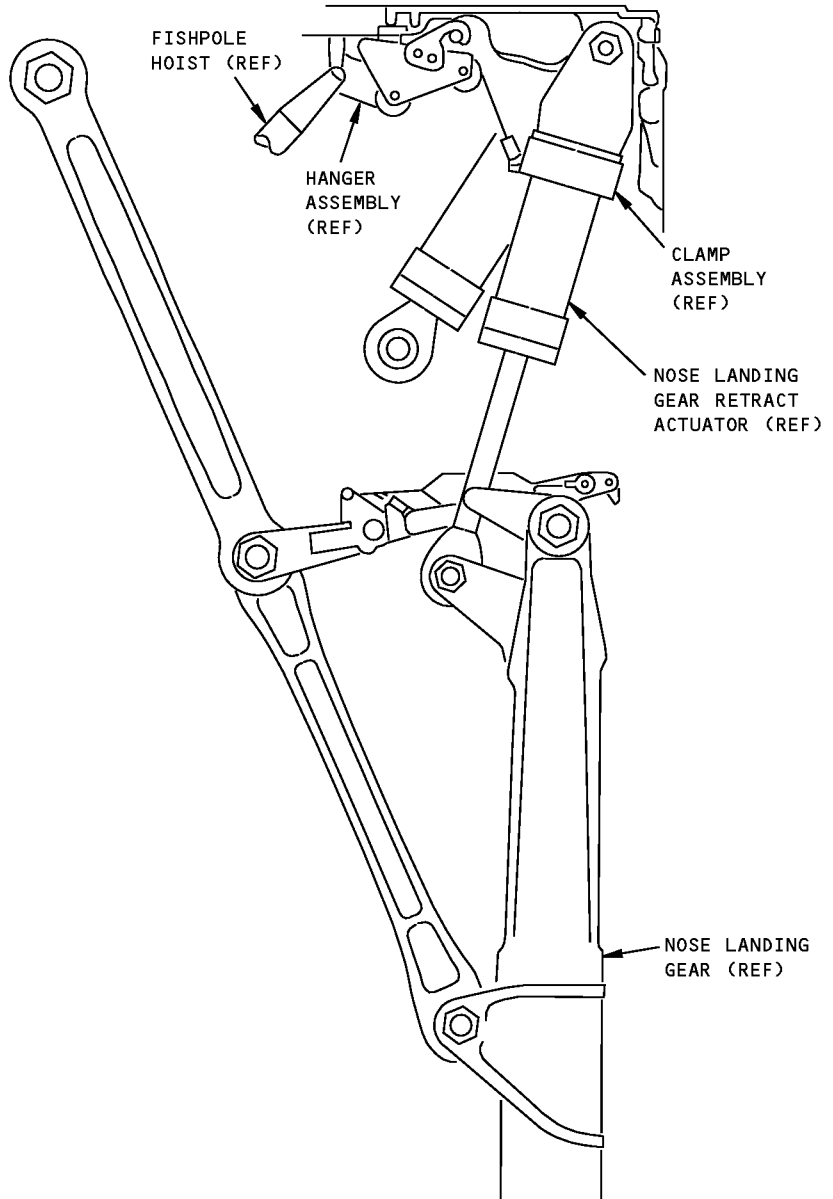
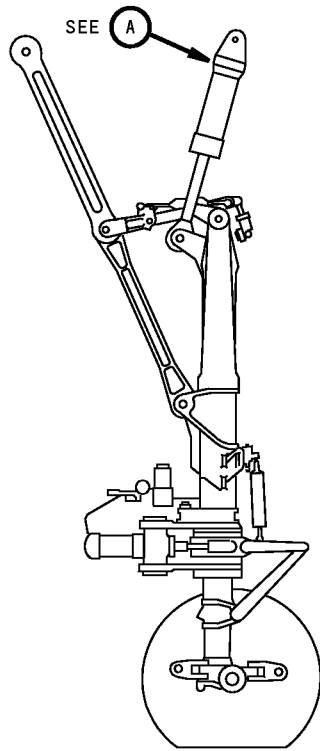
**COMPONENT MAINTENANCE:** YES

**USAGE & DESCRIPTION:** The B32031-1 torquing equipment is used during component maintenance on all 757 airplanes. B32031 is used to assist in the assembly and disassembly of the nose landing gear retract actuator. Refer to the current B32031 drawing and CMM 32-34-09 for complete usage instructions. B32031-1 consists of:

B32031-1		
QUANTITY	NOMENCLATURE	PART NUMBER
1	TORQUING FIXTURE ASSEMBLY	B32031-2
1	GLAND TORQUING FIXTURE ASSEMBLY	B32031-4
1	ROD END TORQUING FIXTURE ASSEMBLY	B32031-6
1	WRENCH ASSEMBLY	B32031-8
1	WRENCH ASSEMBLY	B32031-9
1	TORQUING ADAPTER	B32031-34
1	SUPPORT	B32031-37
1	STORAGE BOX	

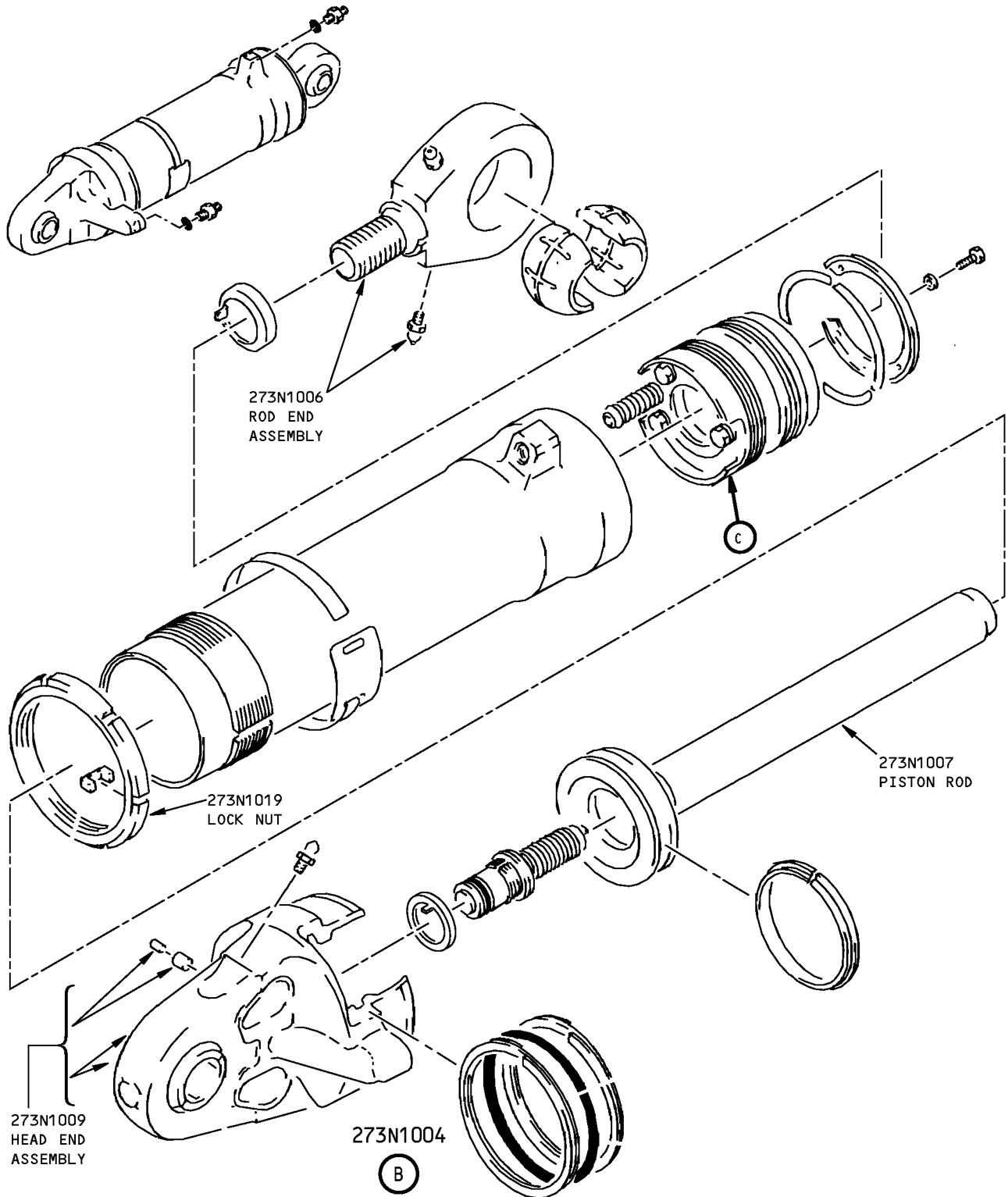
**WEIGHT:** 120 lbs (54 kg)

**DIMENSIONS:** 10 x 24 x 30 inches (254 x 610 x 762 mm)



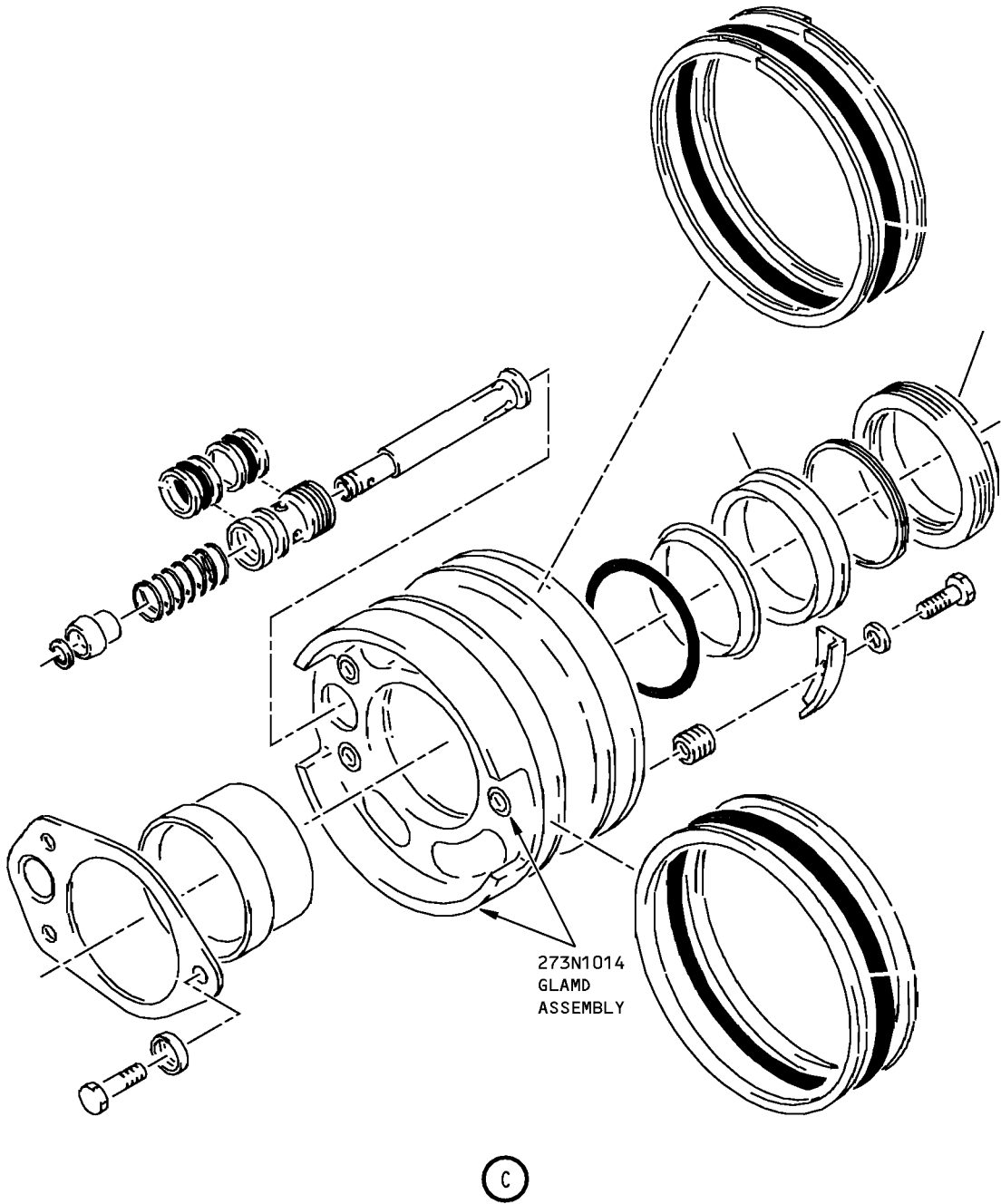
A

**NLG Retract Actuator Torquing Equipment**  
**Figure 1 (Sheet 1 of 5)**



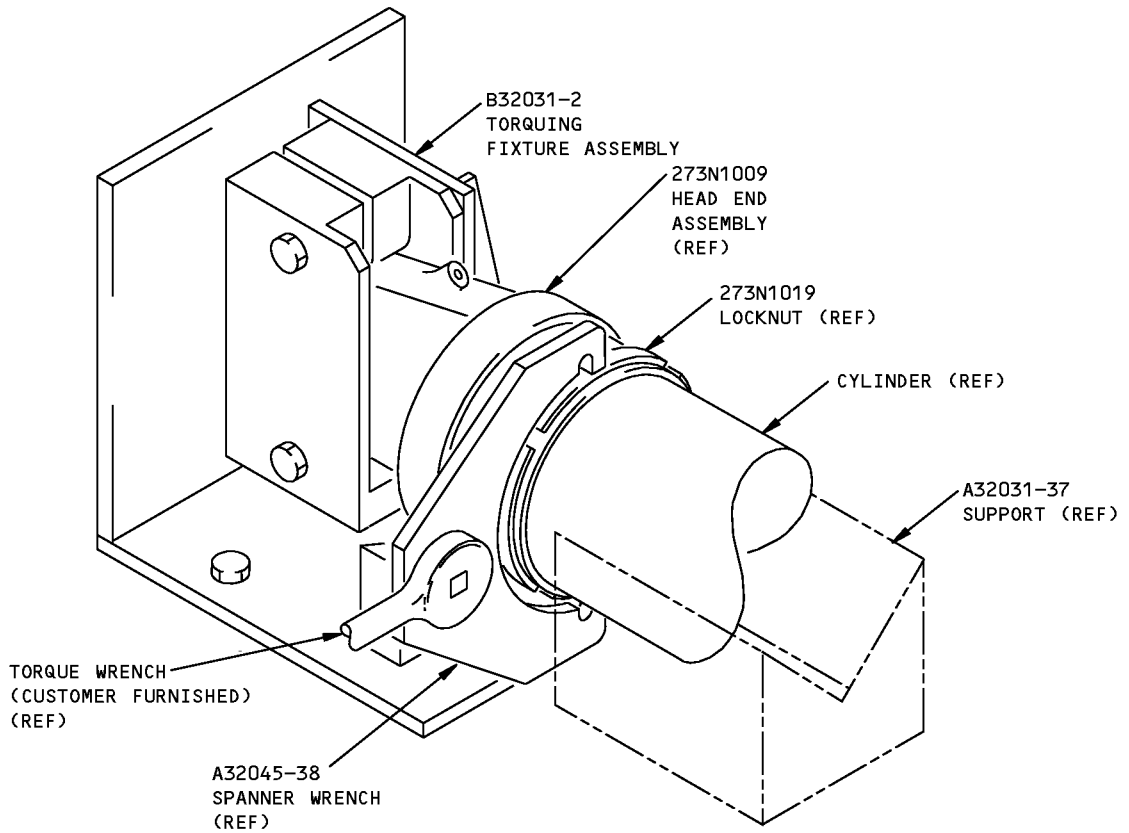
**NLG Retract Actuator Torquing Equipment  
Figure 1 (Sheet 2 of 5)**





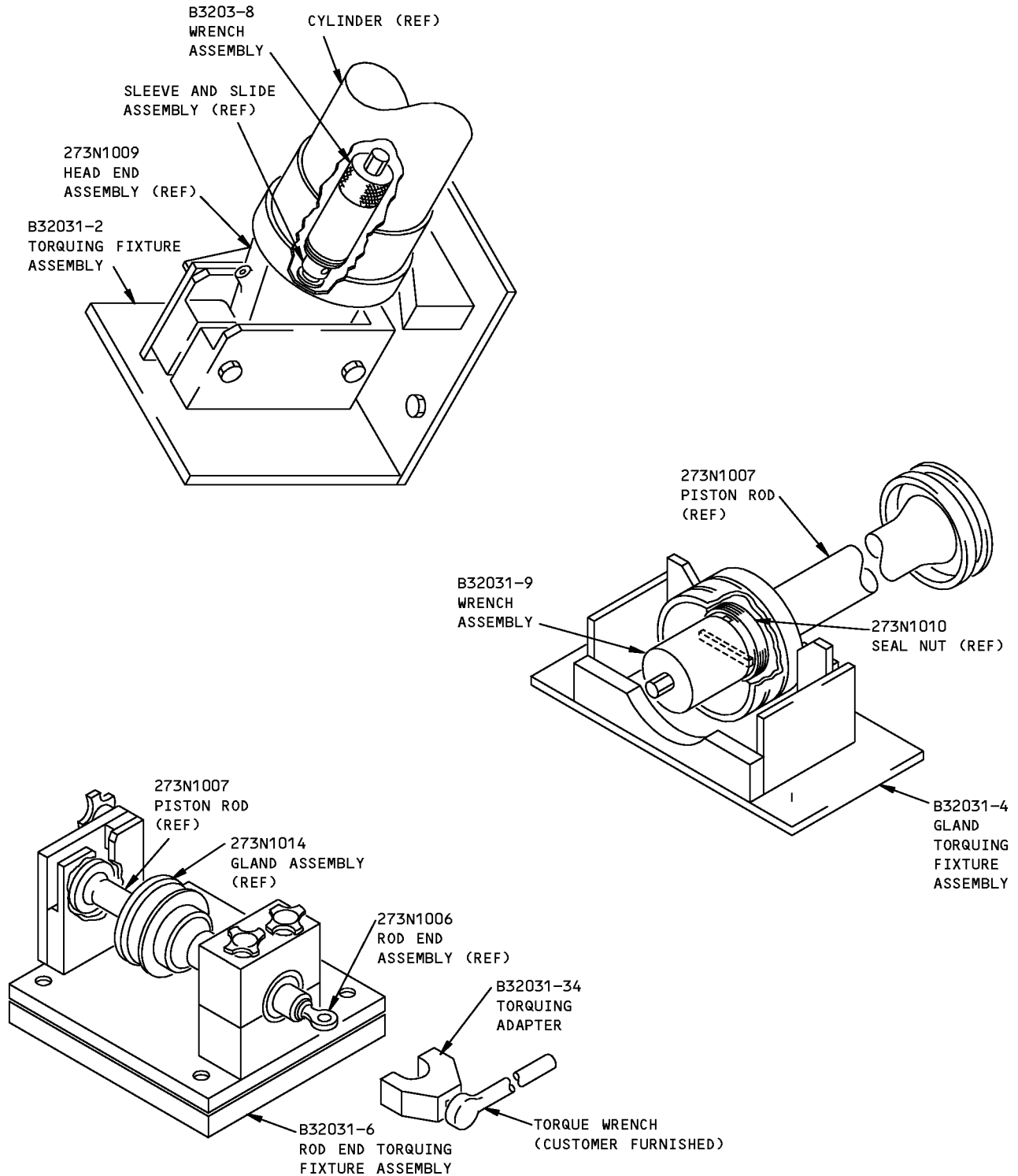
NLG Retractor Actuator Torquing Equipment  
Figure 1 (Sheet 3 of 5)

**757**  
**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



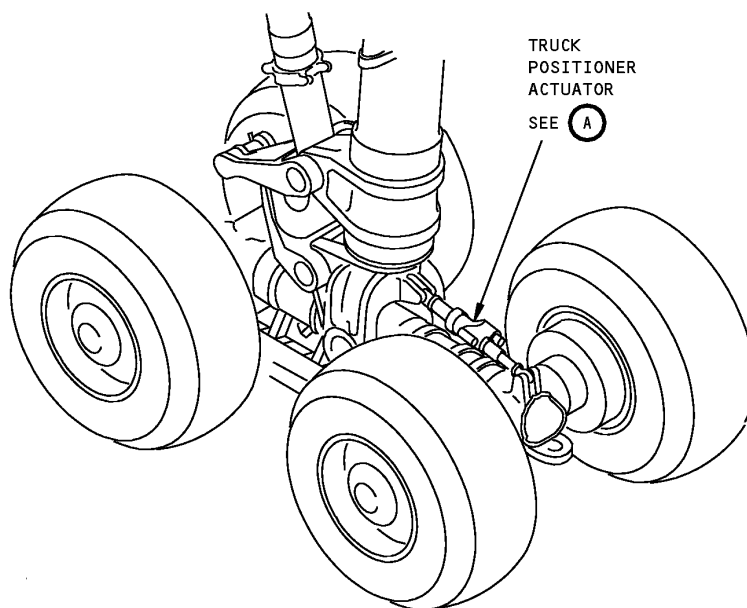
**NLG Retract Actuator Torquing Equipment**  
**Figure 1 (Sheet 4 of 5)**

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

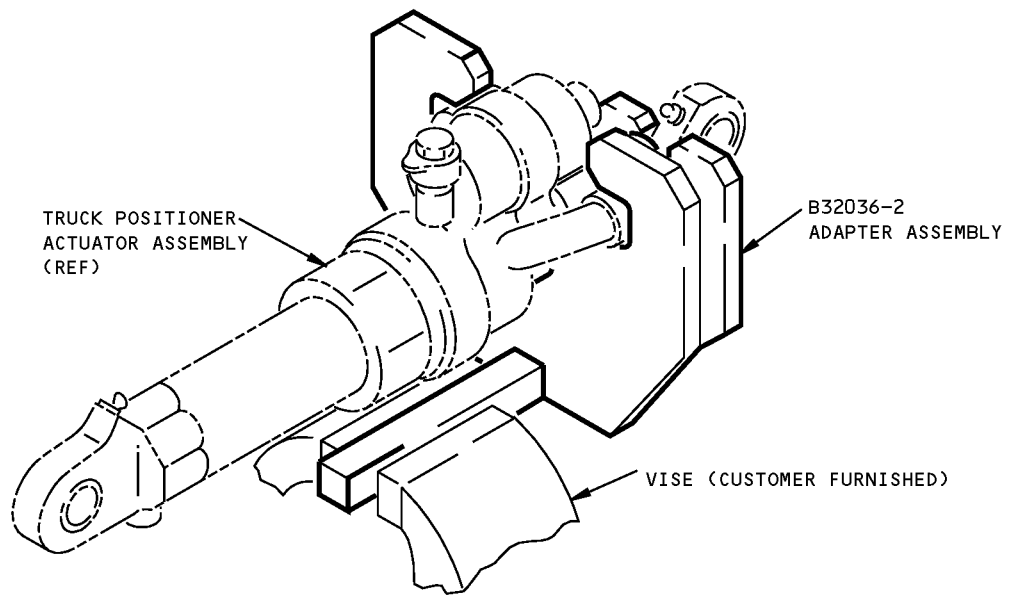


**NLG Retract Actuator Torquing Equipment  
Figure 1 (Sheet 5 of 5)**

## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32036-1****NAME:** ADAPTER - ACTUATOR, LANDING GEAR TRUCK POSITIONER**AIRPLANE MAINTENANCE:** NO**COMPONENT MAINTENANCE:** YES**USAGE & DESCRIPTION:** The B32036-1 adapter is used during component maintenance on all 757 airplanes. B32036 is used with a customer-furnished vise to hold the 273N2004 landing gear truck positioner actuator during assembly. Refer to CMM 32-32-56 for complete usage instructions. B32036-1 consists of a B32036-2 adapter assembly (weldment) contained in a storage box.**WEIGHT:** 3 lbs (1.4 kg)**DIMENSIONS:** 7 x 9 x 14 inches (178 x 229 x 356 mm)

**Landing Gear Truck Positioner Actuator Adapter  
Figure 1 (Sheet 1 of 2)**



**Landing Gear Truck Positioner Actuator Adapter  
Figure 1 (Sheet 2 of 2)**



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**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

**PART NUMBER: B32037-1**

**NAME:** TEST EQUIPMENT - UPLOCK ASSEMBLY, MAIN LANDING GEAR (MLG)

**AIRPLANE MAINTENANCE:** NO

**COMPONENT MAINTENANCE:** YES

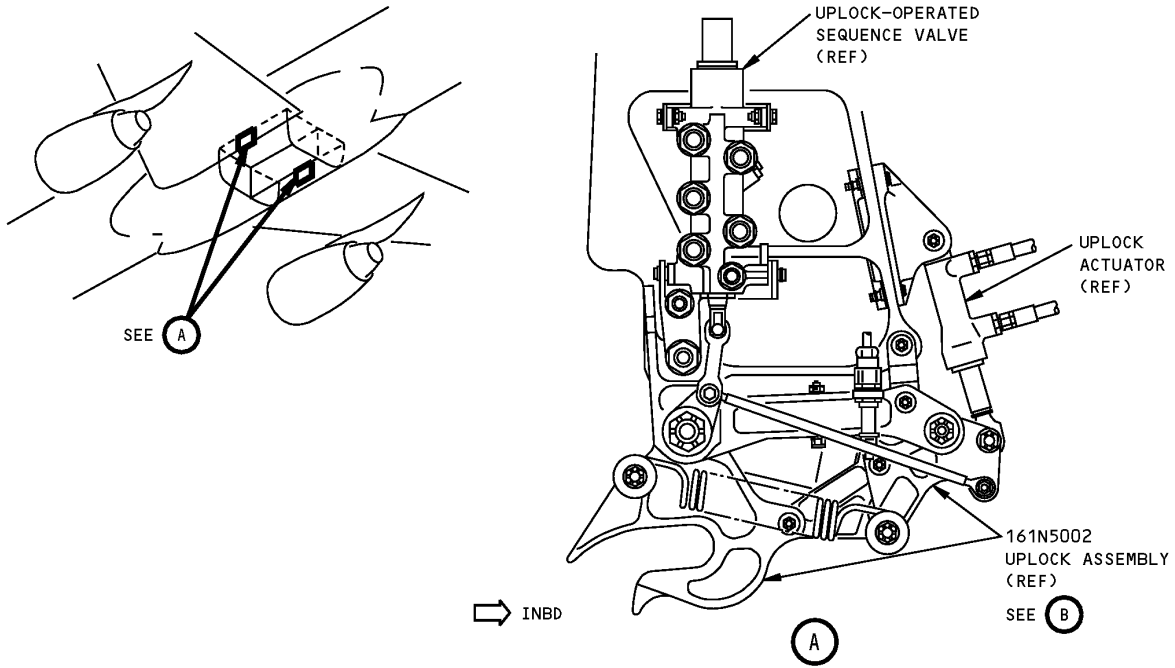
**USAGE & DESCRIPTION:** The B32037-1 test equipment is used during component maintenance on all 757 airplanes. B32037 is used in conjunction with a customer-furnished load cell for functional testing of the 161N5002 main landing gear uplock assembly. Refer to CMM 32-32-16 for complete usage instructions. B32037-1 consists of:

<b>B32037-1</b>		
<b>QUANTITY</b>	<b>NOMENCLATURE</b>	<b>PART NUMBER</b>
1	BASE ASSEMBLY	B32037-2
1	LEVER ASSEMBLY	B32037-3
1	CABLE ASSEMBLY	B32037-4
1	STORAGE BOX	

**WEIGHT:** 35 pounds (16 kg)

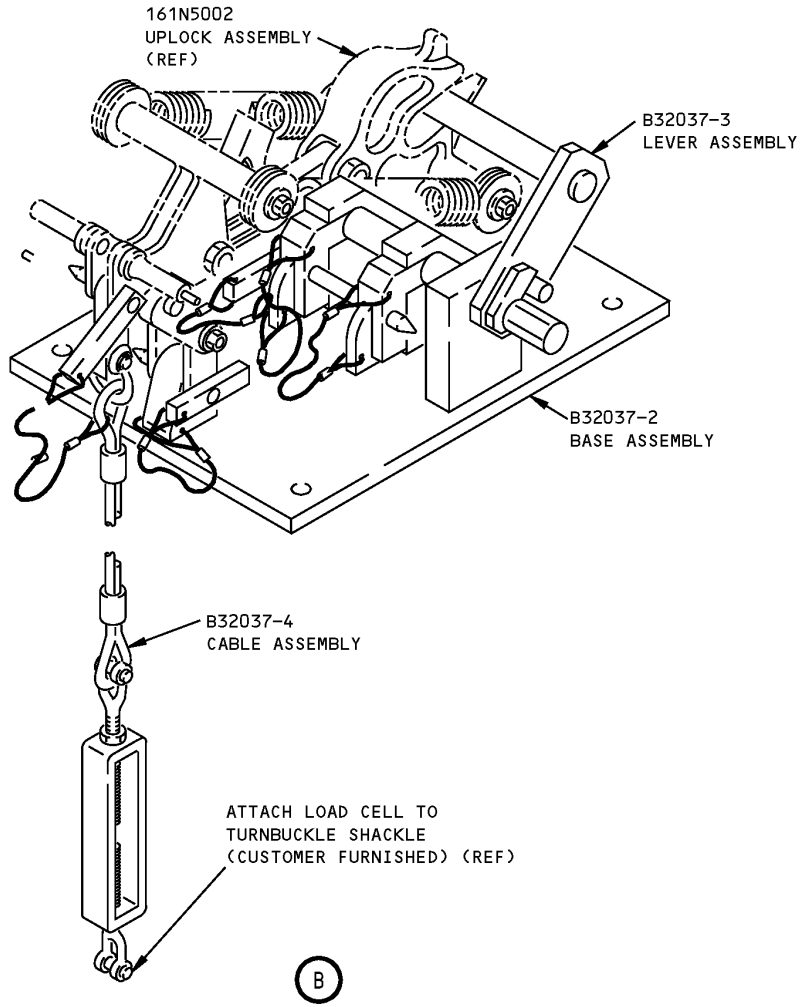
**DIMENSIONS:** 7 x 16 x 24 inches (178 x 406 x 610 mm)

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**MLG Uplock Assembly Test Equipment  
Figure 1 (Sheet 1 of 2)**

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**MLG Uplock Assembly Test Equipment  
Figure 1 (Sheet 2 of 2)**



**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

**PART NUMBER: B32038-1**

**NAME:** EXTENDER - UPLOCK SPRING, MAIN LANDING GEAR (MLG)

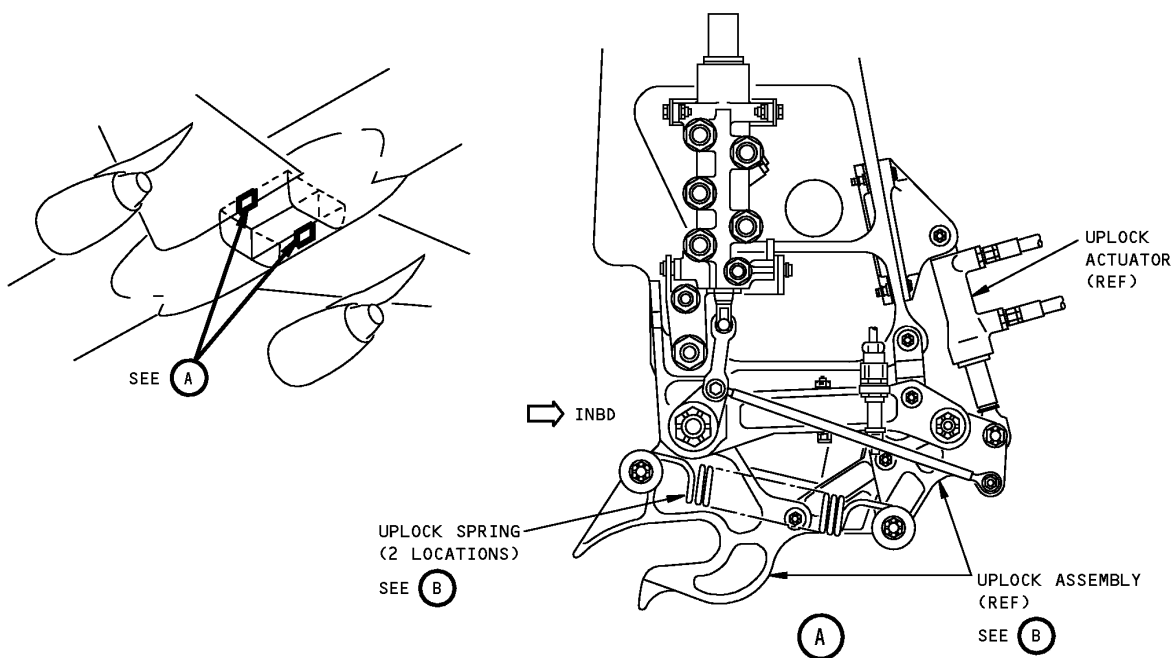
**AIRPLANE MAINTENANCE:** NO

**COMPONENT MAINTENANCE:** YES

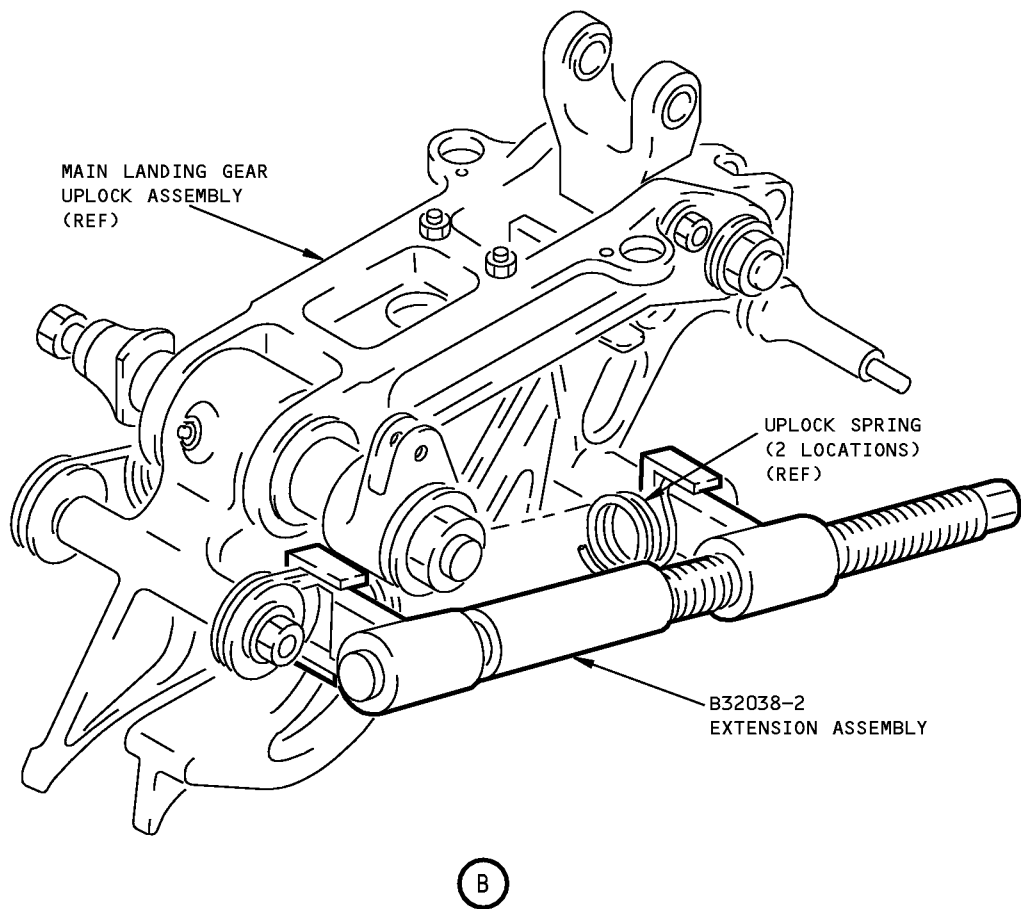
**USAGE & DESCRIPTION:** The B32038-1 extender is used during component maintenance on all 757 airplanes. B32038 is used to install and remove uplock springs on the 161N5002 main landing gear uplock assembly. Refer to CMM 32-32-16 for complete usage instructions. B32038-1 consists of a B32038-2 extension assembly contained in a storage box.

**WEIGHT:** 7 lbs (3.2 kg)

**DIMENSIONS:** 4 x 6 x 16 (102 x 152 x 406 mm)



**MLG Uplock Spring Extender  
Figure 1 (Sheet 1 of 2)**



**MLG Uplock Spring Extender  
Figure 1 (Sheet 2 of 2)**



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# ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32039-134, -135**

**NAME:** FIXTURE - FUNCTIONAL TEST, RETRACT ACTUATOR, LANDING GEAR

**AIRPLANE MAINTENANCE:** NO

**COMPONENT MAINTENANCE:** YES

**USAGE & DESCRIPTION:** The B32039-134 or -135 (preferred) fixture is used during component maintenance on all 757 airplanes. B32039 is used for the functional test and snubber characteristic tests of the nose and main landing gear retract actuator. The B32039 requires customer-furnished equipment, such as a variable pressure (0-5600 psi, 15 micron filter at 30 gpm) hydraulic stand, recording equipment, sensors and Boeing tools, including A32045 and B32031 torque adapters, B32057 spanner adapters, and a B20005 velocity/position transducer tester. Refer to the current B32039 drawing, CMM 32-32-05 and CMM 32-34-09 for complete usage instructions.

The B32039-134 and -135 fixtures consist of:

<b>B32039-134</b>		
<b>B32039-87 MECHANICAL BOX ASSEMBLY</b>		
<b>QUANTITY</b>	<b>NOMENCLATURE</b>	<b>PART NUMBER</b>
2	SUPPORT ASSEMBLY	B32039-119
1	SADDLE ASSEMBLY	B32039-4
1	SUPPORT ASSEMBLY	B32039-121
1	BASE ASSEMBLY	B32039-136

<b>B32039-134</b>		
<b>B32039-88 ELECTRICAL BOX ASSEMBLY</b>		
<b>QUANTITY</b>	<b>NOMENCLATURE</b>	<b>PART NUMBER</b>
1	CALIPER ASSEMBLY	B32039-5
1	PLUNGER ASSEMBLY	B32039-94
1	PLUNGER ASSEMBLY	B32039-95
2	CAP	B32039-108
1	NOSE LANDING GEAR PIN	B32039-109
1	MAIN LANDING GEAR PIN	B32039-110
1	KNOB	CL-1-PPK-2



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ILLUSTRATED TOOL AND EQUIPMENT MANUAL

B32039-135		
B32039-92 MECHANICAL BOX ASSEMBLY		
QUANTITY	NOMENCLATURE	PART NUMBER
2	SUPPORT ASSEMBLY	B32039-119
1	SADDLE ASSEMBLY	B32039-4
1	SUPPORT ASSEMBLY	B32039-121
1	BASE ASSEMBLY	B32039-136

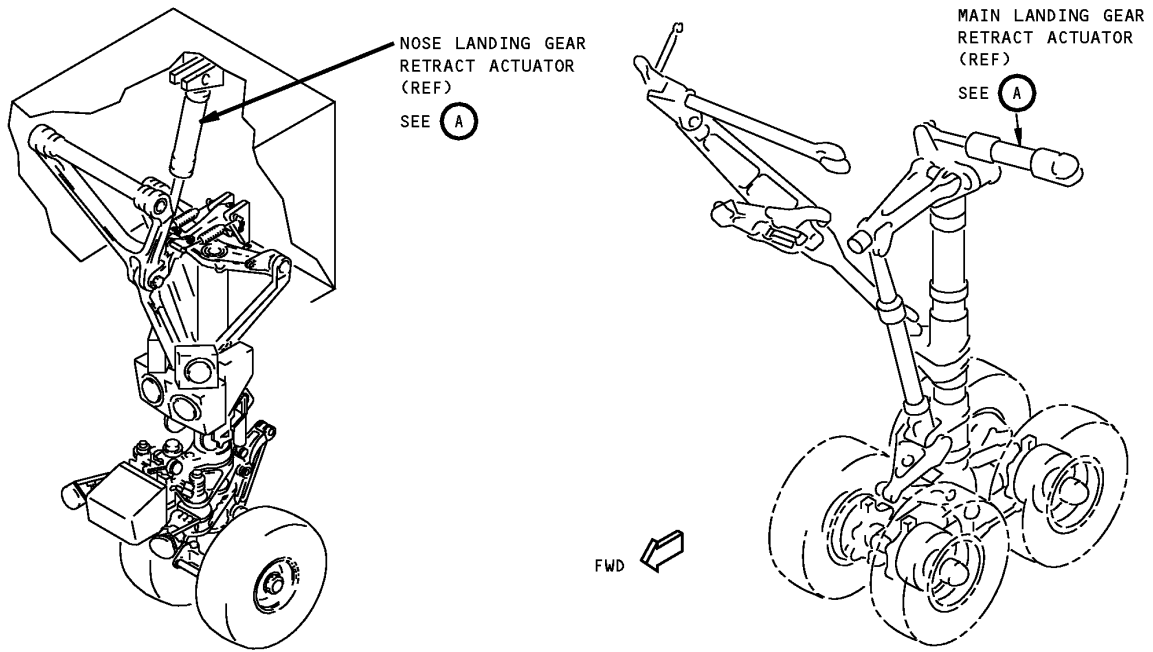
B32039-135		
B32039-93 ELECTRICAL BOX ASSEMBLY		
QUANTITY	NOMENCLATURE	PART NUMBER
1	SHAFT ASSEMBLY	B32039-96
1	BRACKET ASSEMBLY	B32039-98
2	CAP	B32039-108
1	NOSE LANDING GEAR PIN	B32039-109
1	MAIN LANDING GEAR PIN	B32039-110
1	KNOB	CL-1-PPK-2

**WEIGHT:** 160 lbs (73 kg)

**DIMENSIONS:** 12 x 28 x 90 inches (305 x 711 x 2286 mm)

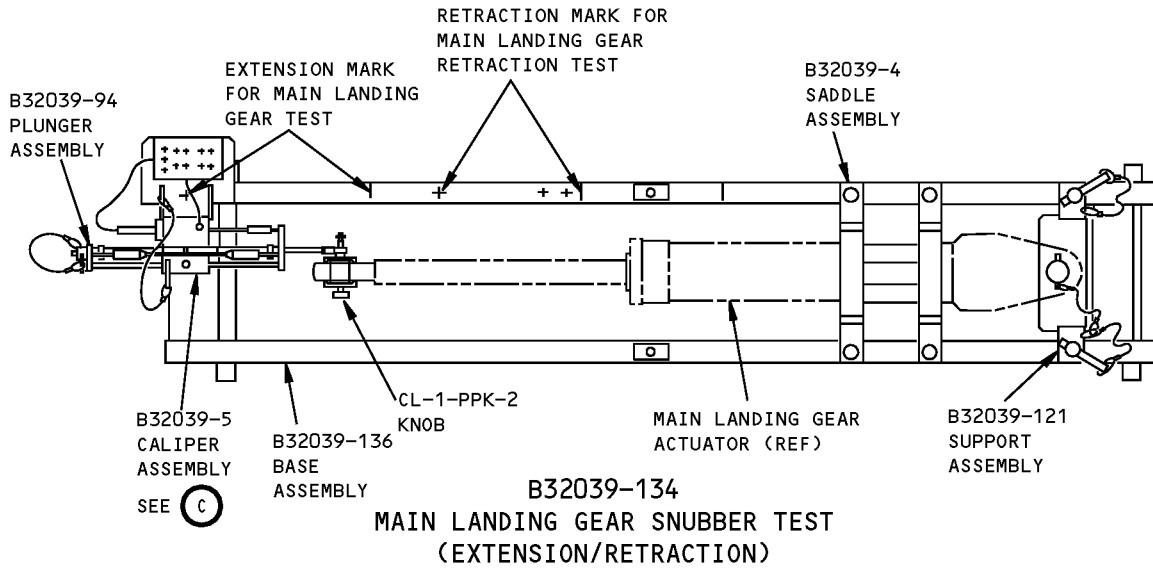
**NOTE:** B32039-134 supersedes B32039-117.  
B32039-135 supersedes B32039-118.  
B32039-135 replaces B32039-134 for future procurement.

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

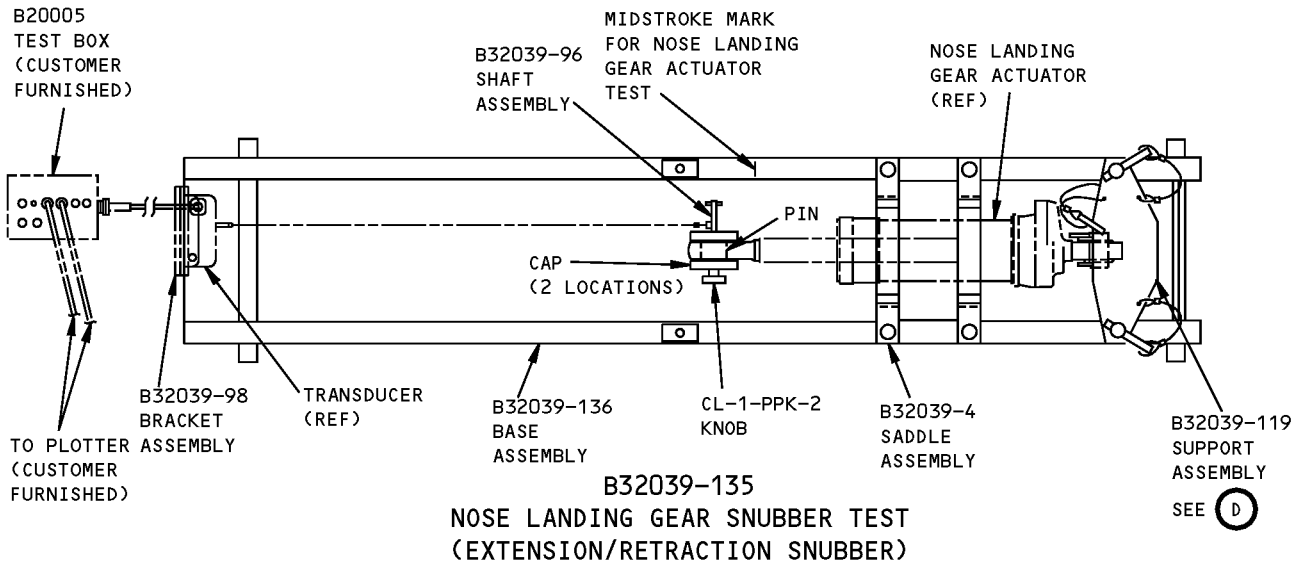


**Landing Gear Retract Actuator Functional Test Fixture  
Figure 1 (Sheet 1 of 5)**

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



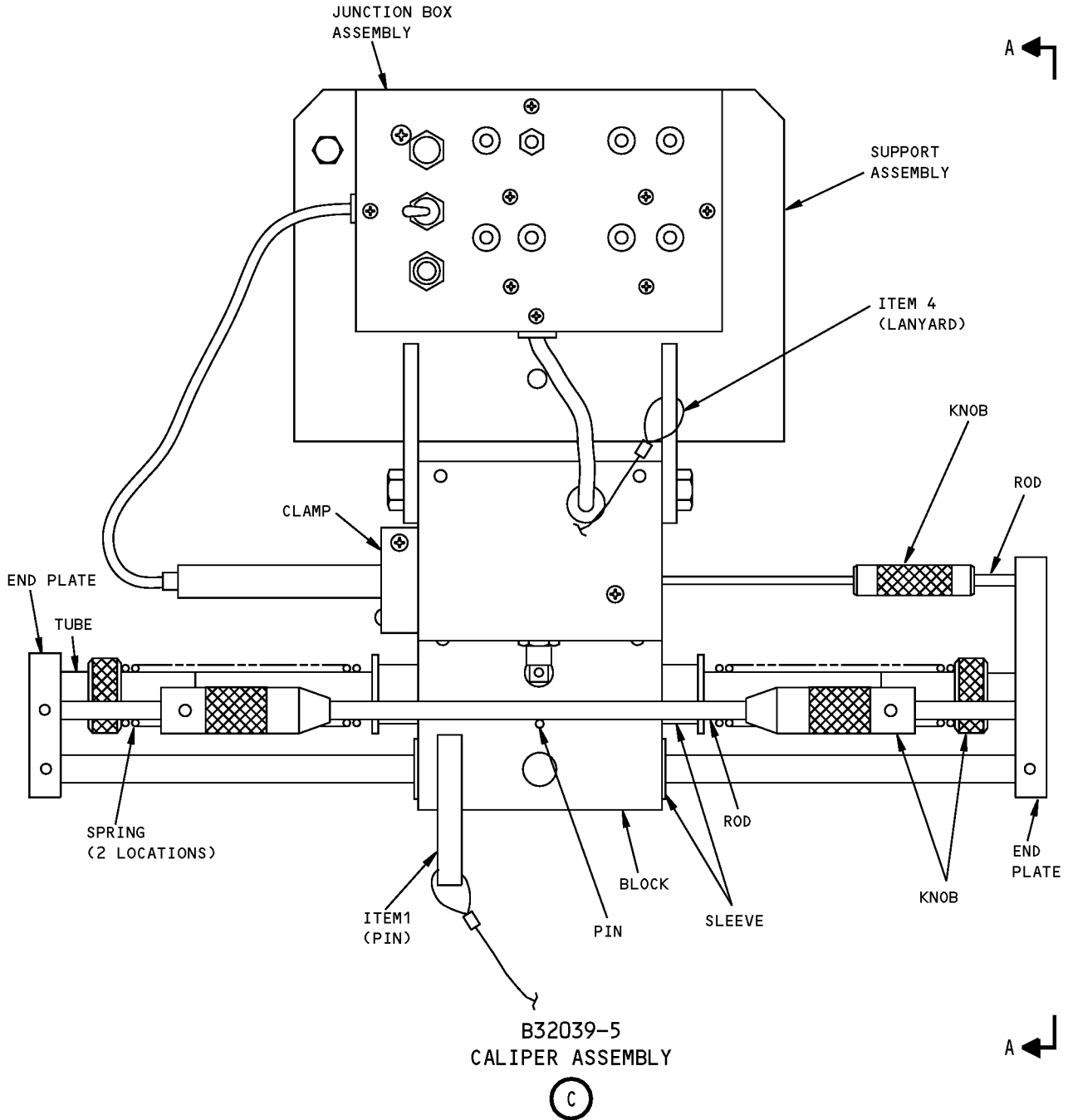
(A)



(B)

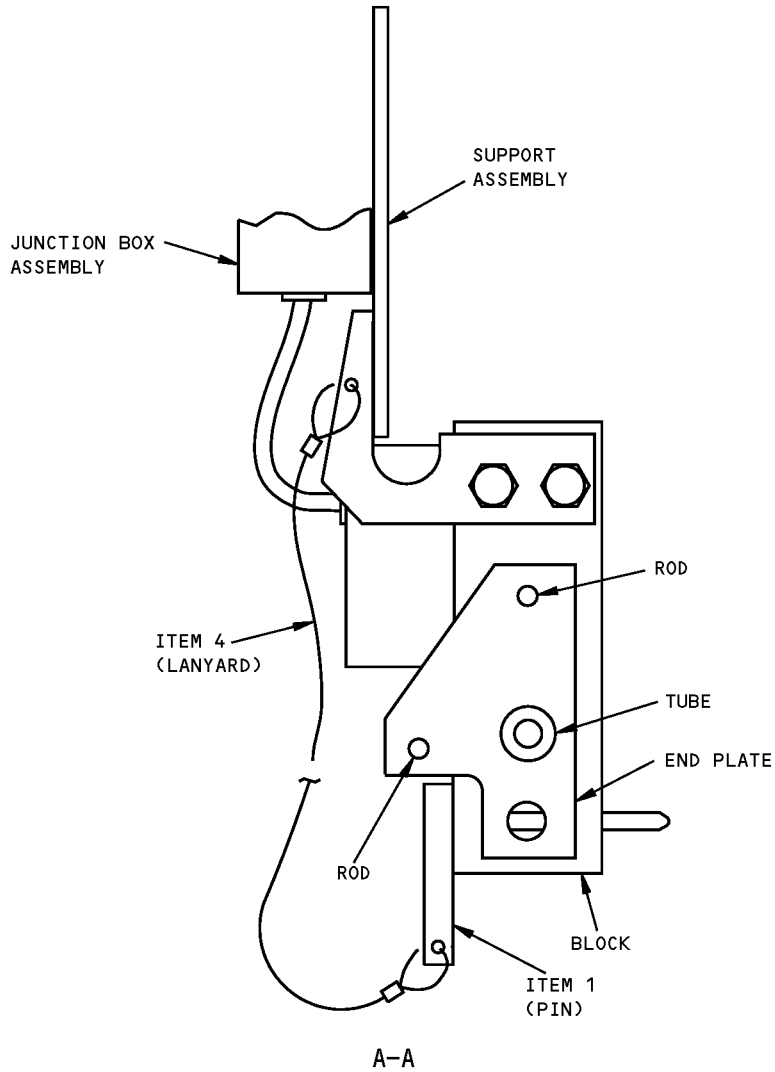
**Landing Gear Retract Actuator Functional Test Fixture**  
**Figure 1 (Sheet 2 of 5)**

**757**  
**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Landing Gear Retract Actuator Functional Test Fixture**  
**Figure 1 (Sheet 3 of 5)**

**757  
ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

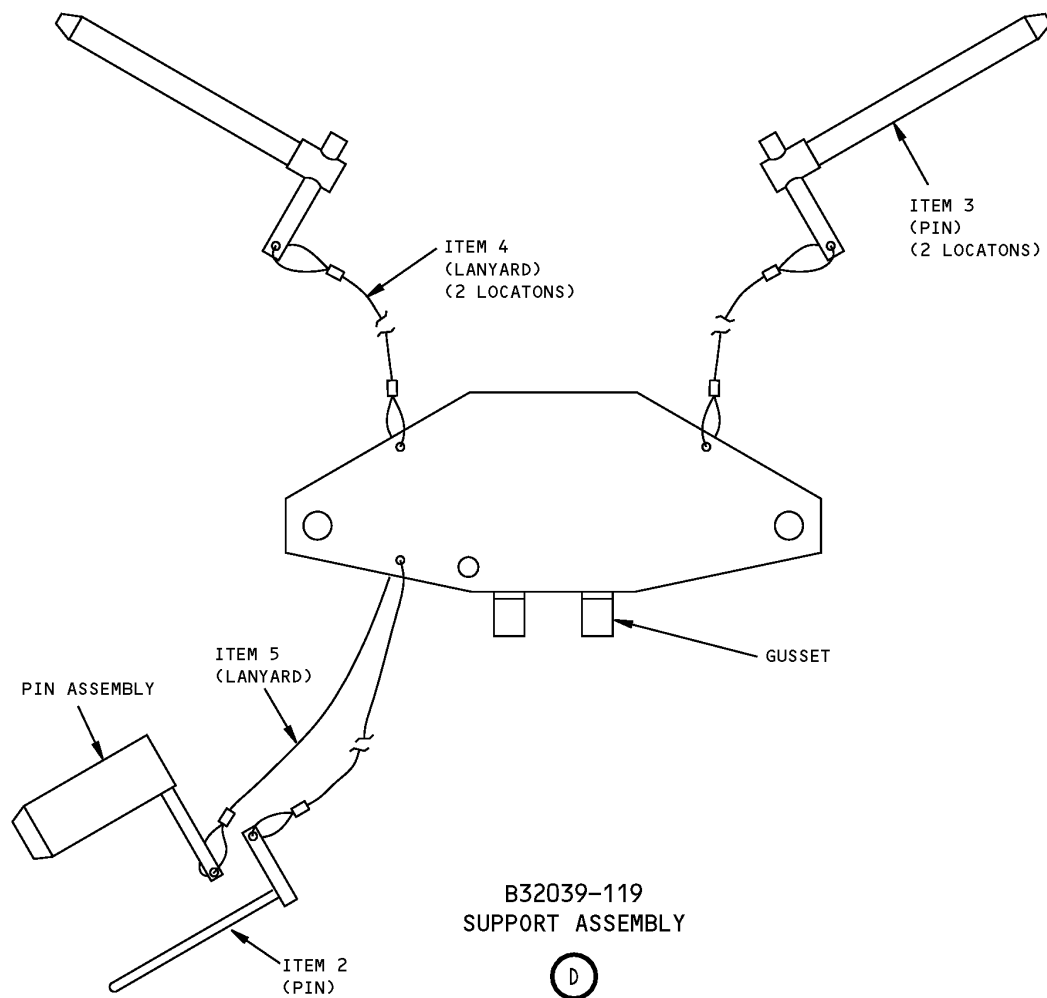


B32039-5  
CALIPER ASSEMBLY

**Landing Gear Retract Actuator Functional Test Fixture  
Figure 1 (Sheet 4 of 5)**



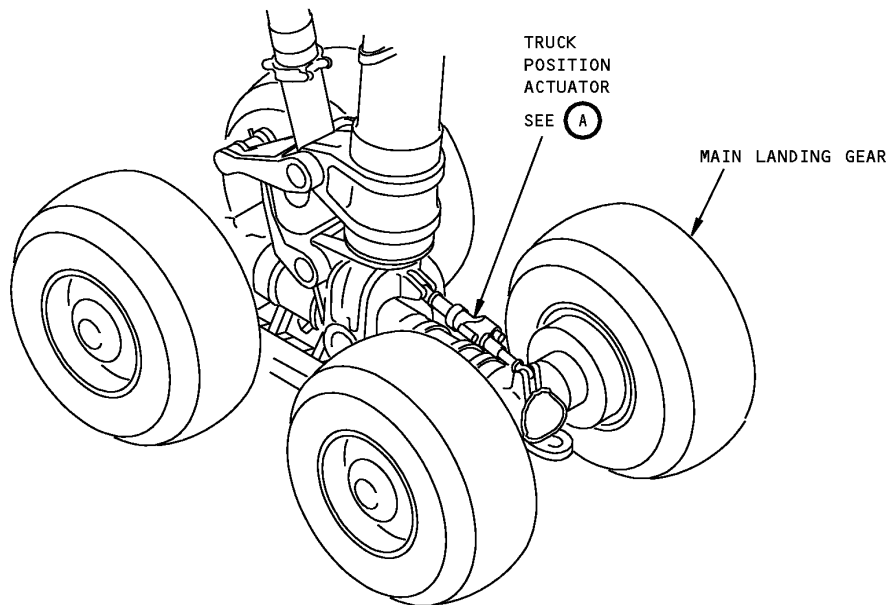
ILLUSTRATED TOOL AND EQUIPMENT MANUAL



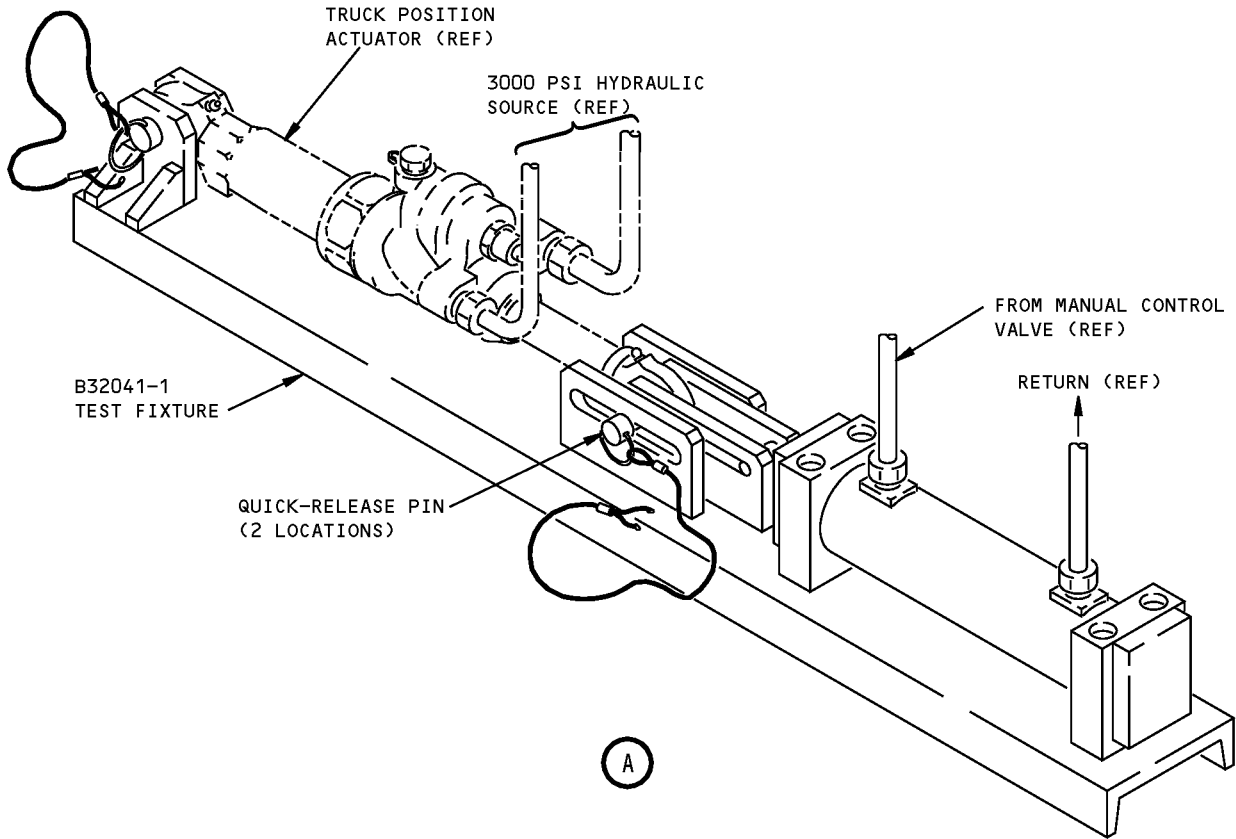
Landing Gear Retract Actuator Functional Test Fixture  
Figure 1 (Sheet 5 of 5)

REPAIRABLE/REPLACEABLE PARTS			
ITEM NO.	PART NO.	NOMENCLATURE	VENDOR CODE
1	CL-5-LP	PIN	V99862
2	CL-6-LP	PIN	V99862
3	B32039-122	PIN	
4	CL-23-KA-12.0LR	LANYARD	V99862
5	CL-23-KA-18.0LR	LANYARD	V99862

## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32041-1****NAME:** TEST FIXTURE - TRUCK POSITION ACTUATOR, MAIN LANDING GEAR**AIRPLANE MAINTENANCE:** NO**COMPONENT MAINTENANCE:** YES**USAGE & DESCRIPTION:** The B32041-1 test fixture is used during component maintenance on all 757 airplanes. B32041 is used with a hydraulic test stand (variable pressure 0 - 6750 psi, filtered to 15 microns) to perform leakage test under the load cycling portion of the 273N2004 or 273N2112 truck position actuator. Refer to CMM 32-32-56 and CMM 32-32-57 for complete usage instructions.**WEIGHT:** 60 pounds (27 kg)**DIMENSIONS:** 5 x 6 x 39 inches (127 x 152 x 991 mm)

**Main Landing Gear Truck Position Actuator Test Fixture  
Figure 1 (Sheet 1 of 2)**



**Main Landing Gear Truck Position Actuator Test Fixture  
Figure 1 (Sheet 2 of 2)**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32045-1, -11**

**NAME:** LOCATING FIXTURE - VALVE, GEAR OPERATED SEQUENCE, NOSE LANDING GEAR (NLG)

**AIRPLANE MAINTENANCE:** YES

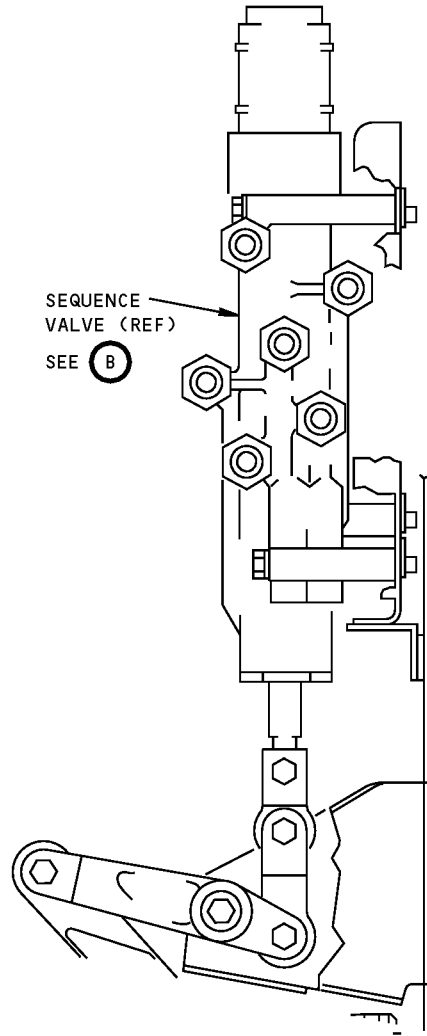
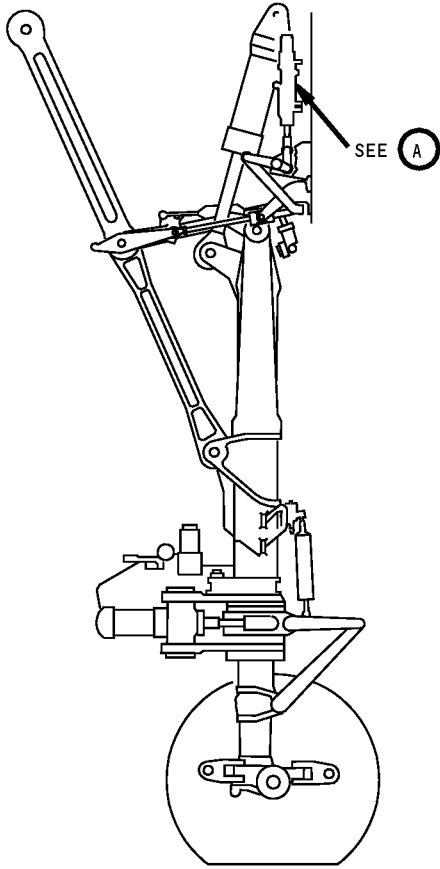
**COMPONENT MAINTENANCE:** YES

**USAGE & DESCRIPTION:** The B32045-1 or -11 (preferred) locating fixture is used on all 757 airplanes. B32045 is used to gage the nose landing gear's operation sequence valve's position during rod adjustment. Refer to AMM 32-34-06, AMM 32-34-07 and CMM 32-34-09 for complete usage instructions. B32045-1 consists of a B32045-2 fixture assembly contained in a storage box. B32045-11 consists of a B32045-12 fixture assembly contained in a storage box.

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

**DIMENSIONS:** 3 x 5 x 6 inches (76 x 127 x 152 mm)

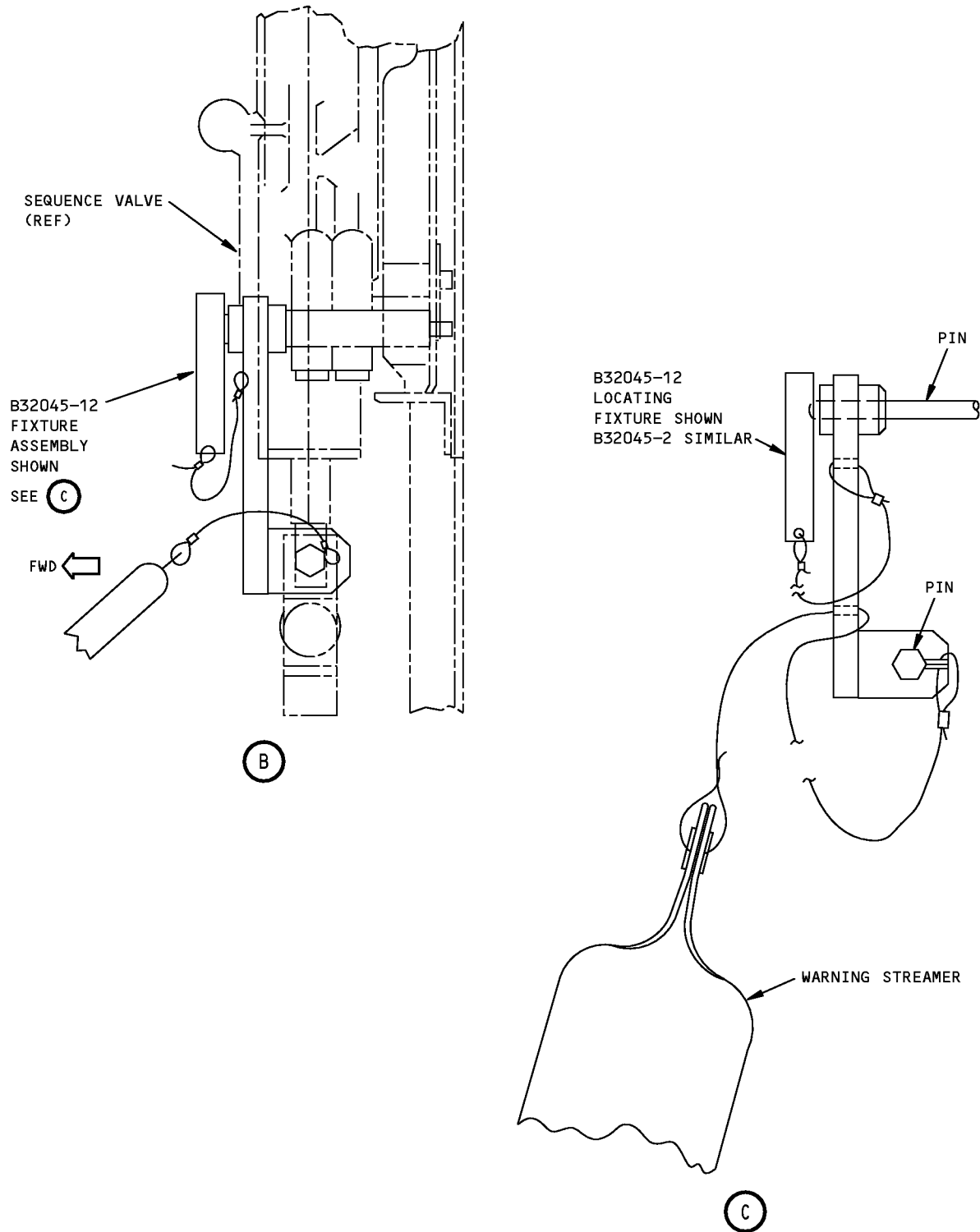
**NOTE:** B32045-11 replaces B32045-1 for future procurement.



A

**NLG Gear Operated Sequence Valve Locating Fixture**  
Figure 1 (Sheet 1 of 2)

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**NLG Gear Operated Sequence Valve Locating Fixture  
Figure 1 (Sheet 2 of 2)**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32051-1**

**NAME:** SPRING EXTENDER - LOCK RELEASE ACTUATOR, MAIN LANDING GEAR (MLG) AND NOSE LANDING GEAR (NLG) DOOR

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

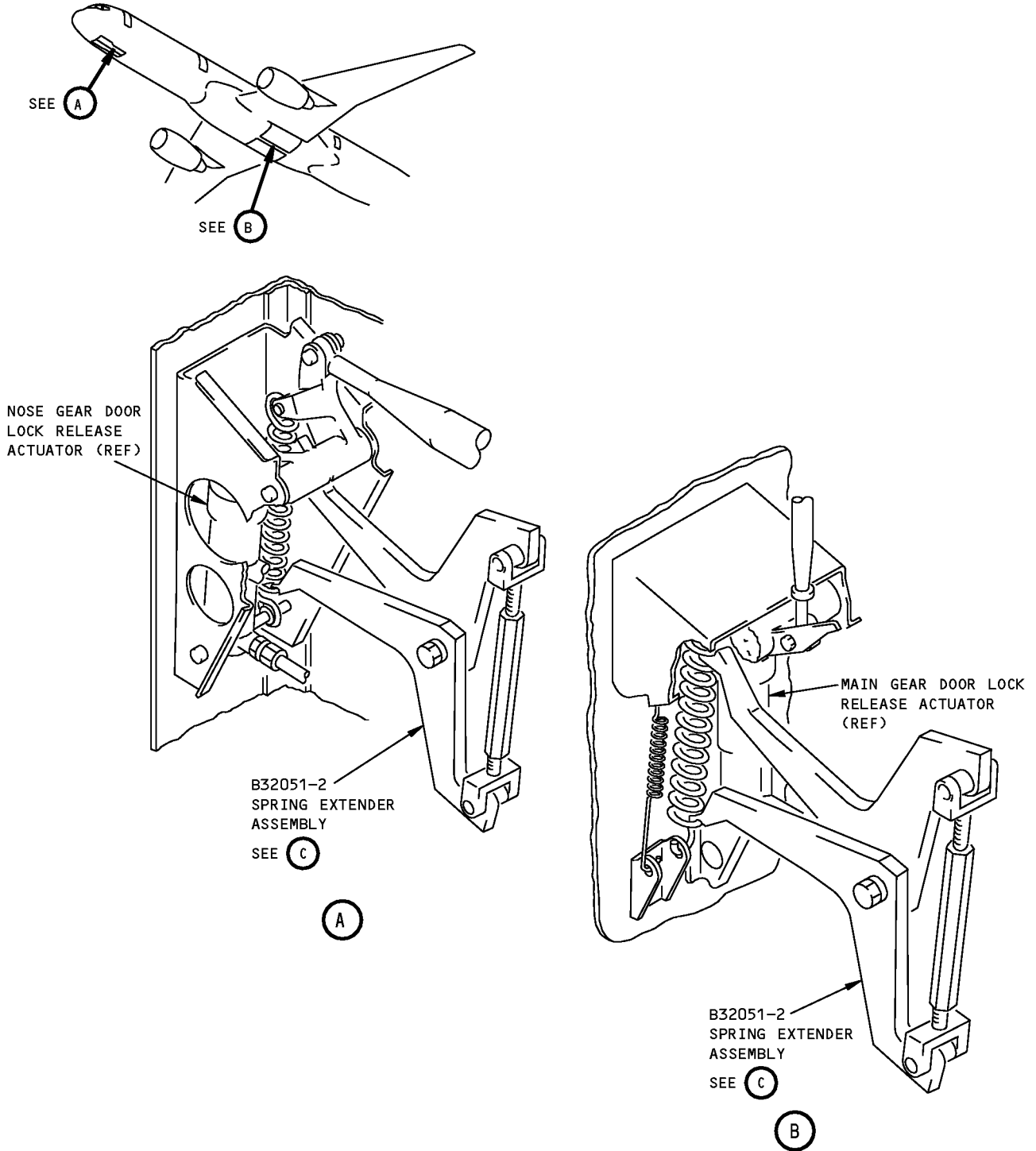
**USAGE & DESCRIPTION:** The B32051-1 spring extender is used on all 757 airplanes. B32051 is used for removal or installation of the main and nose gear door lock release actuator spring. Refer to AMM 32-35-00, AMM 32-35-22 and AMM 32-35-24 for complete usage instructions. B32051-1 consists of:

B32051-1		
QUANTITY	NOMENCLATURE	PART NUMBER
1	SPRING EXTENDER ASSEMBLY	B32051-2
2	FINGER	B32051-3
1	CLEVIS ASSEMBLY	B32051-4
1	CLEVIS ASSEMBLY	B32051-5
2	ARM ASSEMBLY	B32051-10
2	THRUST BEARING	56913
VARIOUS	CONNECTING HARDWARE	
1	STORAGE BOX	

**WEIGHT:** 12 lbs (5.4 kg)

**DIMENSIONS:** 3 x 12 x 14 inches (76 x 305 x 356 mm)

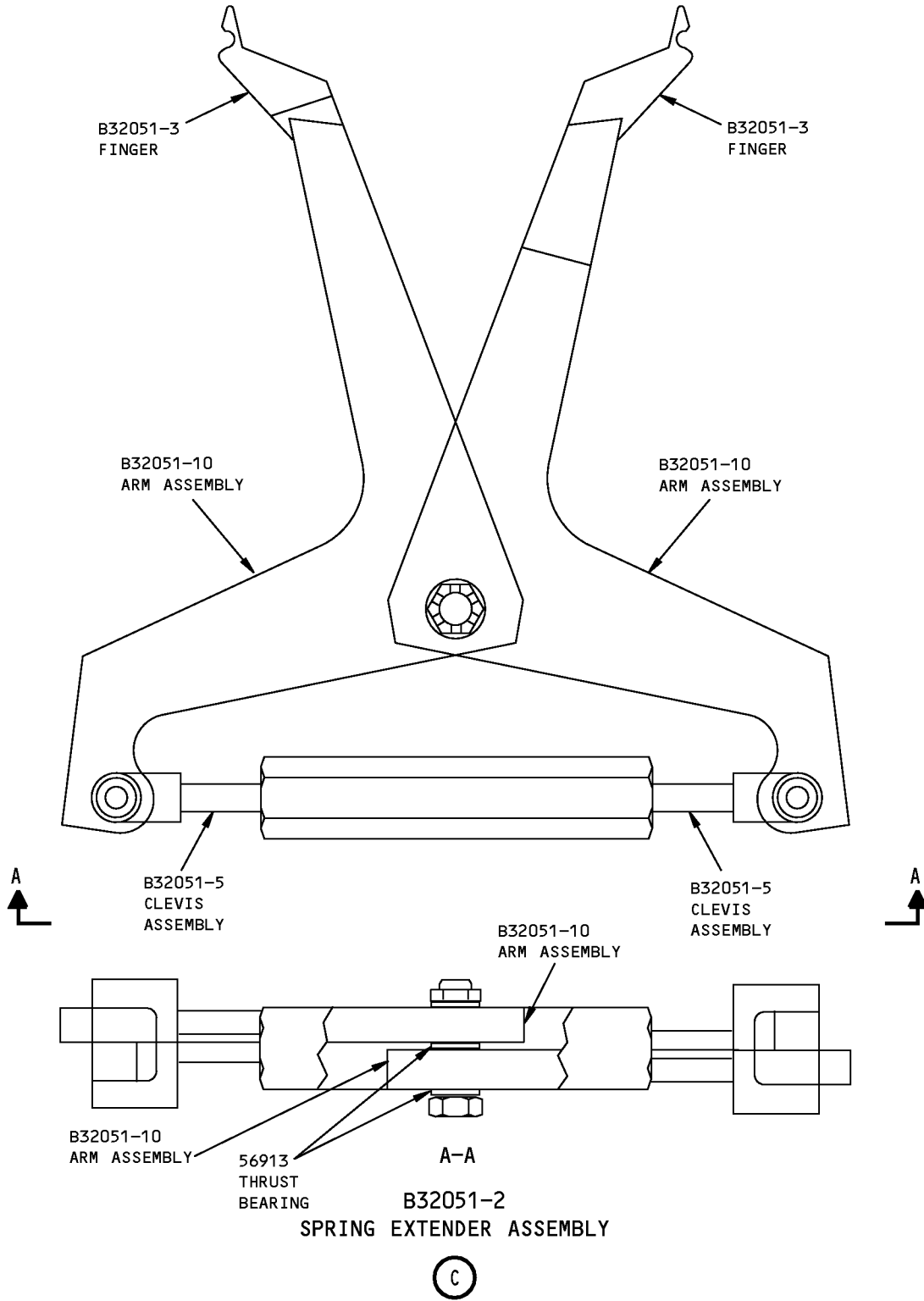
**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**MLG AND NLG Door Lock Release Actuator Spring Extender  
Figure 1 (Sheet 1 of 2)**



**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**MLG AND NLG Door Lock Release Actuator Spring Extender  
Figure 1 (Sheet 2 of 2)**



**757**  
**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

**PART NUMBER: B32054-1**

**NAME:** ADAPTER - UPLOCK, MAIN LANDING GEAR (MLG)

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

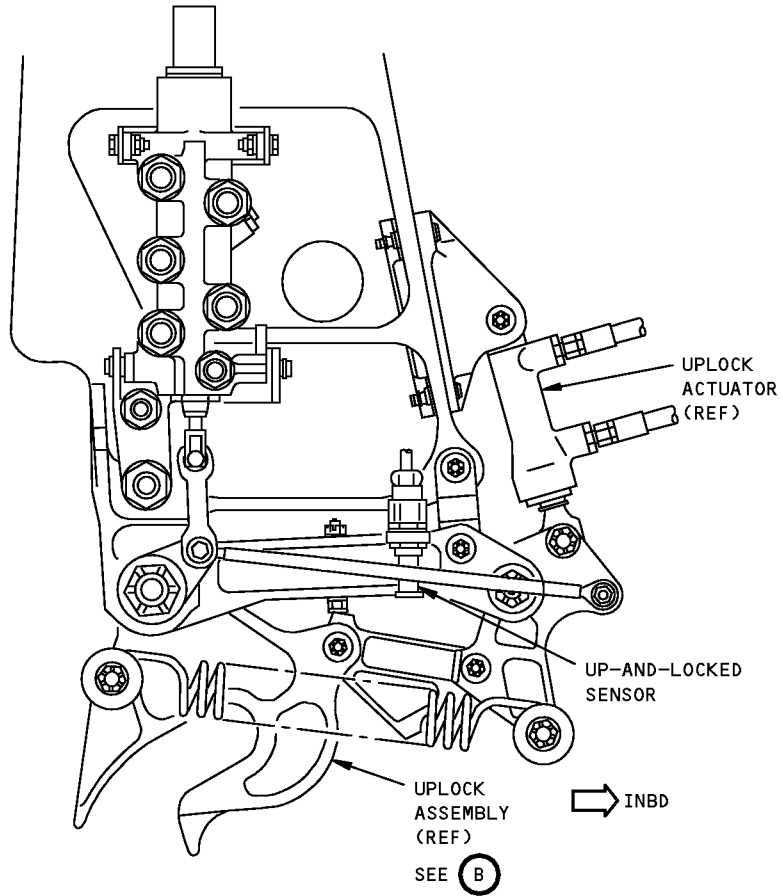
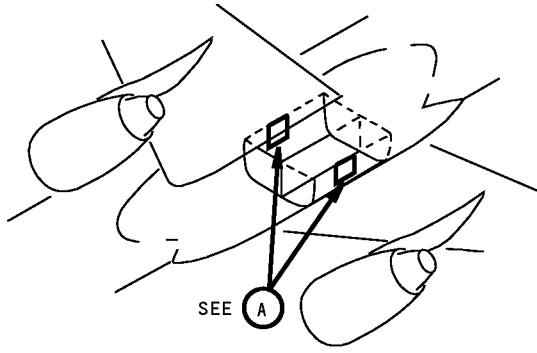
**USAGE & DESCRIPTION:** The B32054-1 adapter is used on all 757 airplanes. B32054 is used to move the uplock hook assembly to the closed position. Refer to AMM 32-32-16 for complete usage instructions. B32054-1 consists of:

<b>B32054-1</b>		
<b>QUANTITY</b>	<b>NOMENCLATURE</b>	<b>PART NUMBER</b>
1	ADAPTER	B32054-2
1	LANYARD	CL-22-KA-12.0LR
1	WARNING STREAMER	NAS1756-24
1	STORAGE BOX	

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

**DIMENSIONS:** 2 x 2 x 4 inches (51 x 51 x 102 mm)

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

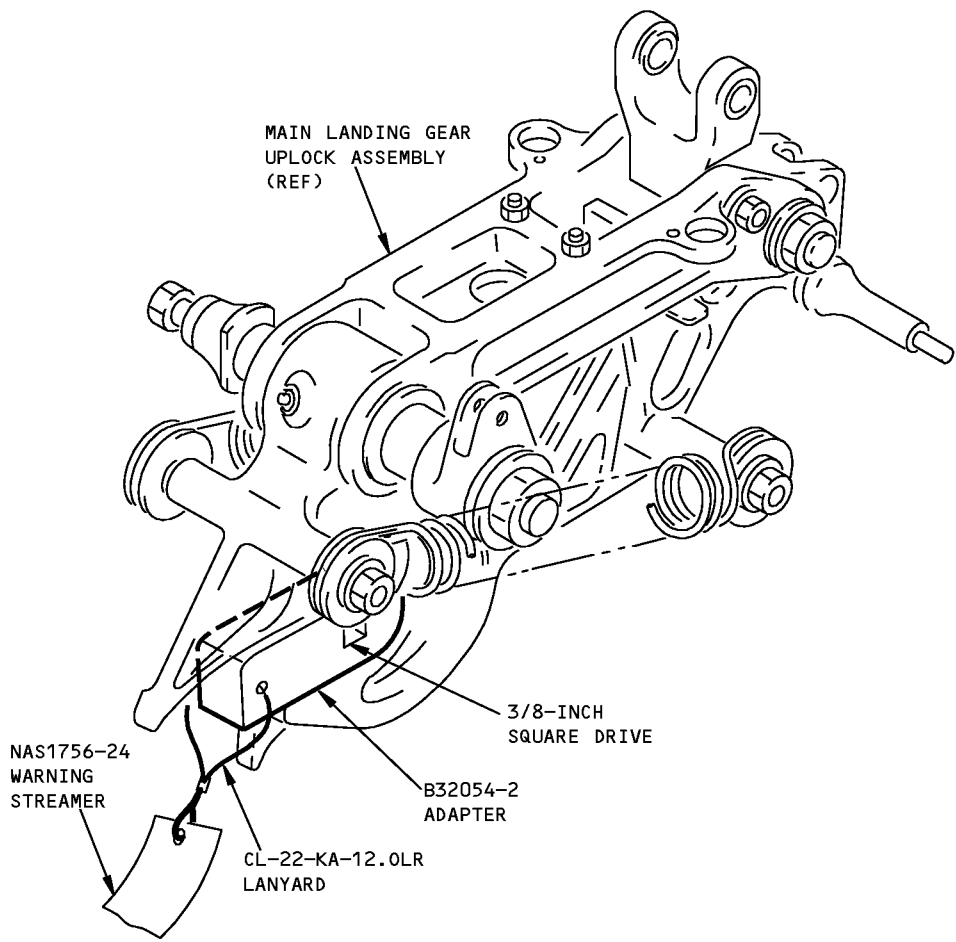


REAR VIEW  
(LEFT UPLOCK ASSEMBLY SHOWN)

A

**MLG Uplock Adapter**  
**Figure 1 (Sheet 1 of 2)**

**757**  
**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**B**

**MLG Uplock Adapter**  
**Figure 1 (Sheet 2 of 2)**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32057-1**

**NAME:** OVERHAUL EQUIPMENT - RETRACT ACTUATOR ASSEMBLY, MAIN LANDING GEAR (MLG)

**AIRPLANE MAINTENANCE:** NO

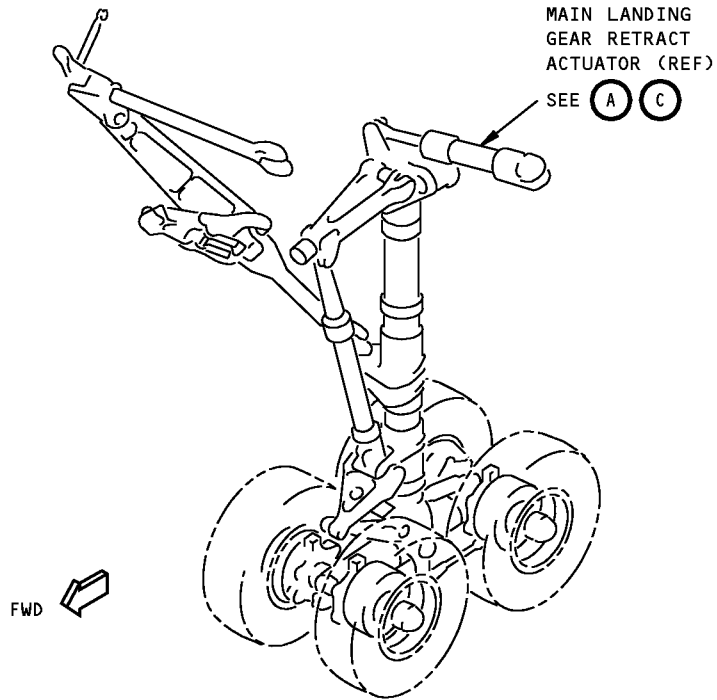
**COMPONENT MAINTENANCE:** YES

**USAGE & DESCRIPTION:** The B32057-1 overhaul equipment is used during component maintenance on all 757 airplanes. B32057 is used to assemble the main landing gear retract actuator. Refer to CMM 32-32-05 for complete usage instructions. B32057 consists of:

B32057-1		
QUANTITY	NOMENCLATURE	PART NUMBER
1	SUPPORT ASSEMBLY	B32057-2
1	SUPPORT ASSEMBLY	B32057-3
1	SPANNER ASSEMBLY	B32057-6
1	PIN ASSEMBLY	B32057-9
1	ADAPTER ASSEMBLY	B32057-10
1	SPANNER ADAPTER	B32057-31
1	SPANNER ADAPTER	B32057-32
1	SPANNER SOCKET	B32057-33
1	SPANNER SOCKET	B32057-34
1	SPANNER ADAPTER	B32057-35
1	STORAGE BOX	

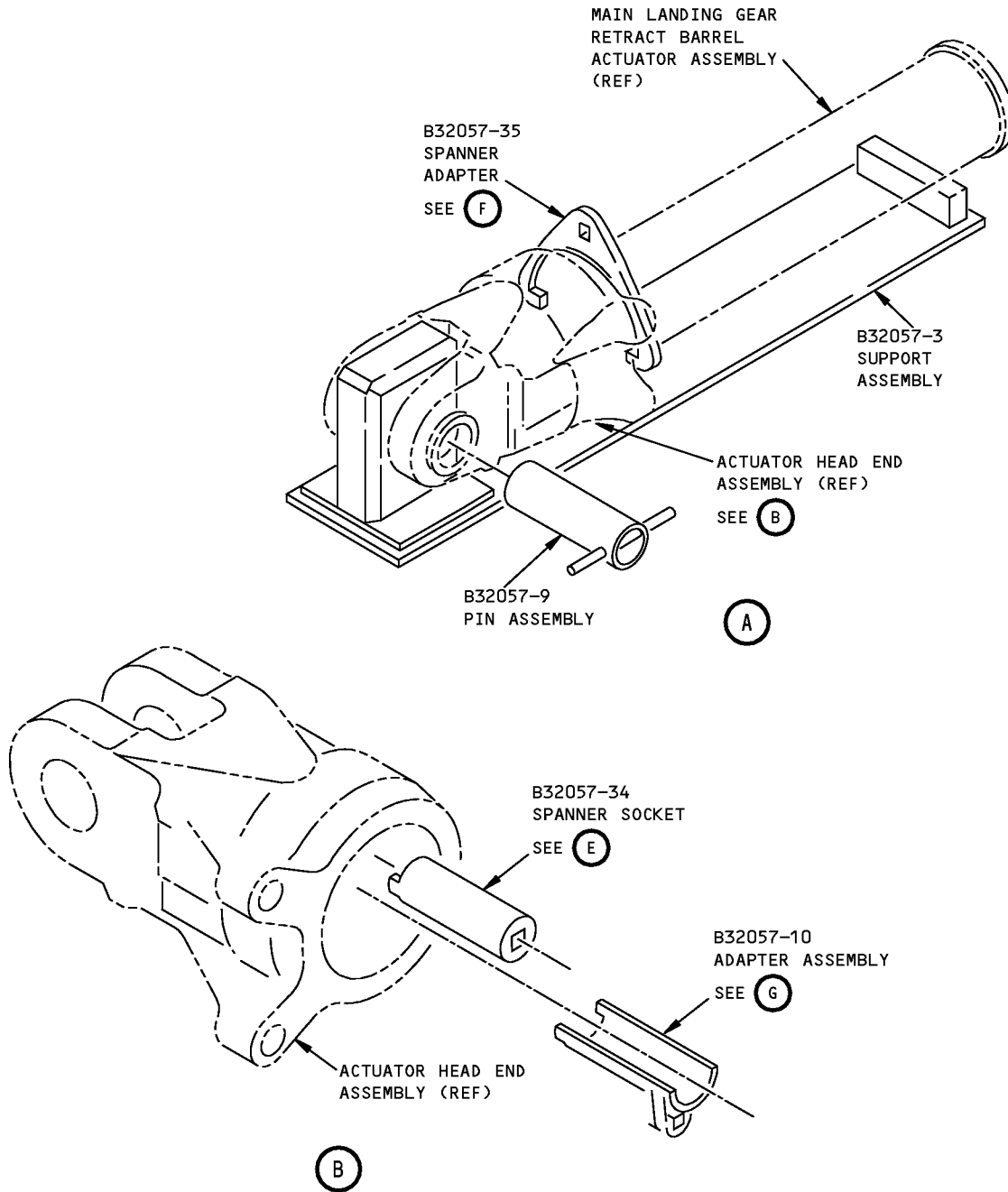
**WEIGHT:** 58 lbs (26 kg)

**DIMENSIONS:** 9 x 18 x 40 inches (229 x 457 x 1016 mm)



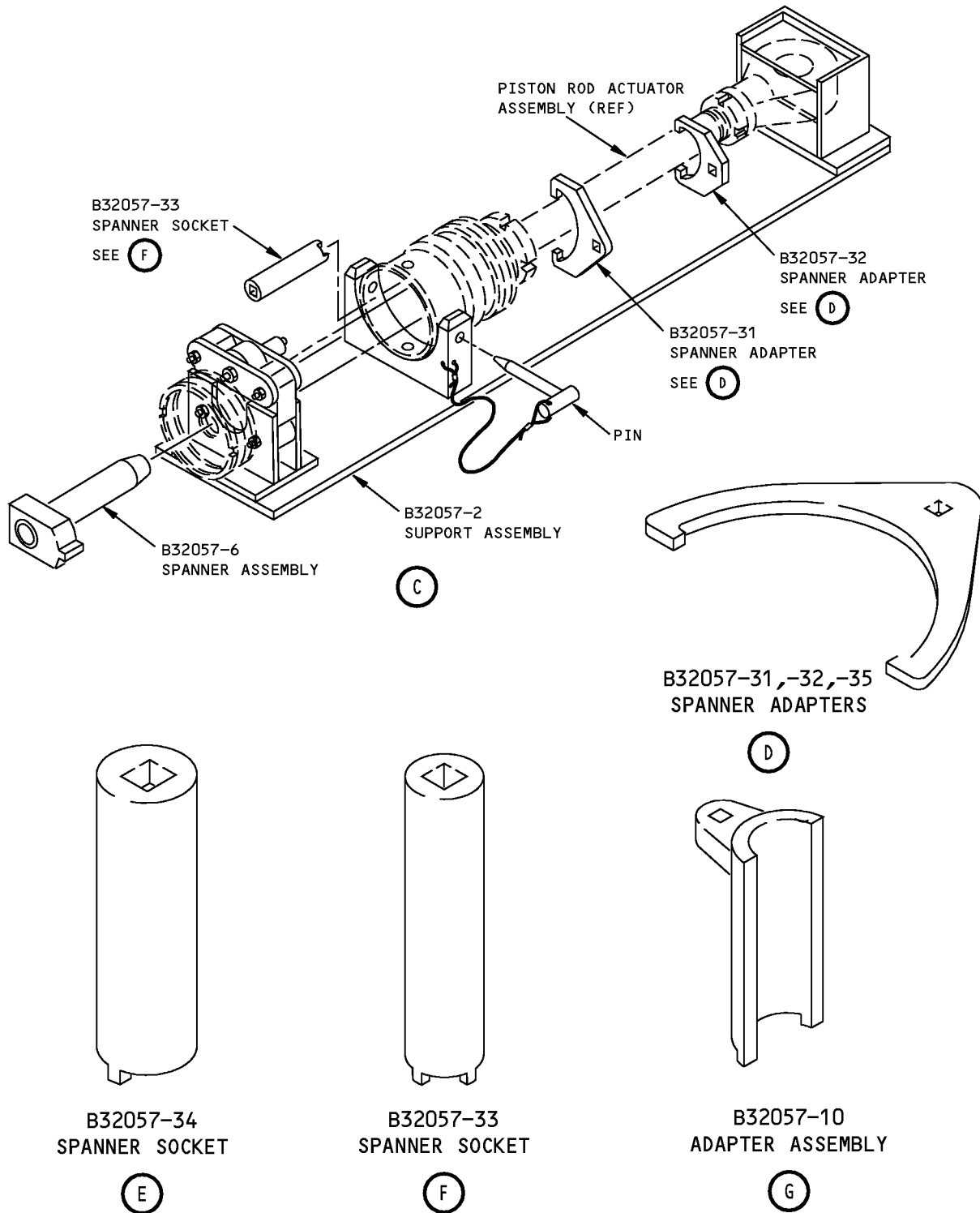
**MLG Retract Actuator Assembly Overhaul Equipment  
Figure 1 (Sheet 1 of 3)**

**757**  
**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**MLG Retract Actuator Assembly Overhaul Equipment**  
**Figure 1 (Sheet 2 of 3)**

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**MLG Retract Actuator Assembly Overhaul Equipment  
Figure 1 (Sheet 3 of 3)**





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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32059-15**

**NAME:** PULLER EQUIPMENT - AXLE SLEEVE, MAIN LANDING GEAR (MLG)

**AIRPLANE MAINTENANCE:** NO

**COMPONENT MAINTENANCE:** YES

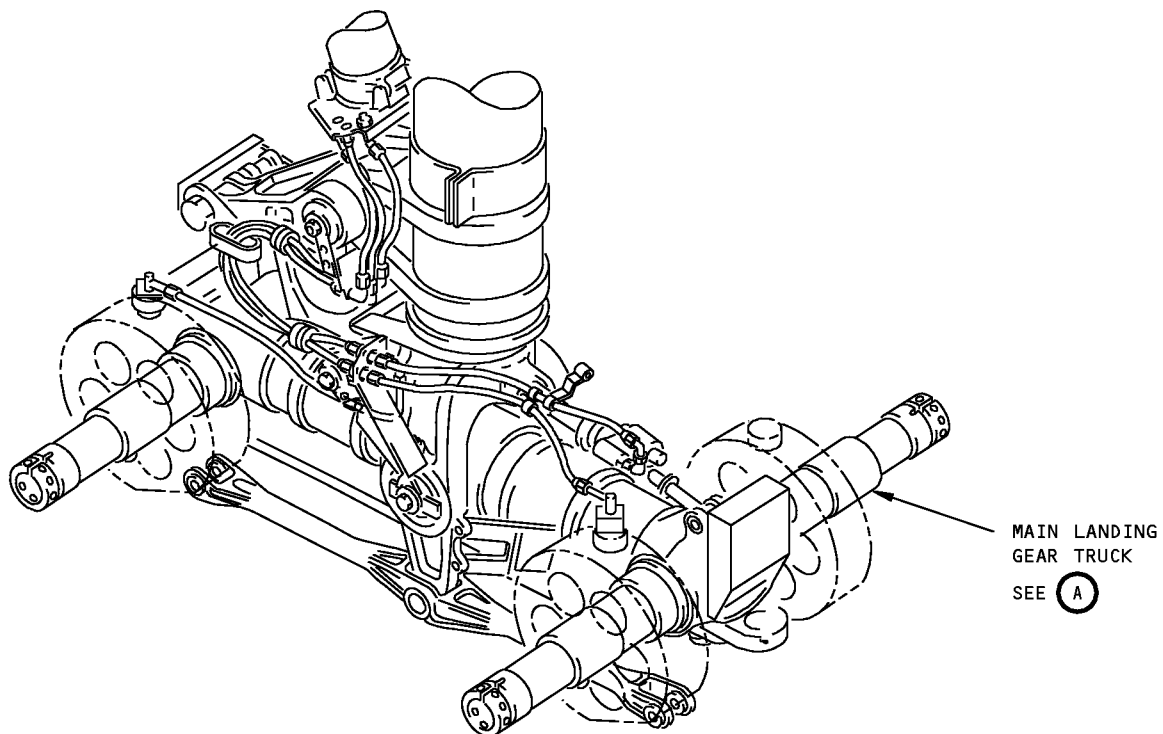
**USAGE & DESCRIPTION:** The B32059-15 puller equipment is used during component maintenance on all 757 airplanes. B32059 is used to remove 161N1626 axle sleeves from the main landing gear truck assembly 1611625 axles, whether or not the axle sleeve has holes to facilitate removal. A customer-furnished B32060 drill jig is used to locate two holes in the 161N1626 axle sleeves. Refer to the current B32059 drawing and CMM 32-11-56 for complete usage instructions. B32059-15 consists of:

<b>B32059-15</b>		
<b>QUANTITY</b>	<b>NOMENCLATURE</b>	<b>PART NUMBER</b>
1	PUMP ASSEMBLY	B32059-4
1	CYLINDER ASSEMBLY	B32059-5
2	ROD ASSEMBLY	B32059-6
1	BRACKET ASSEMBLY	B32059-7
1	BACK PLATE	B32059-11
1	COLLAR	B32059-16
1	STORAGE BOX	

**WEIGHT:** 132 lbs (60 kg)

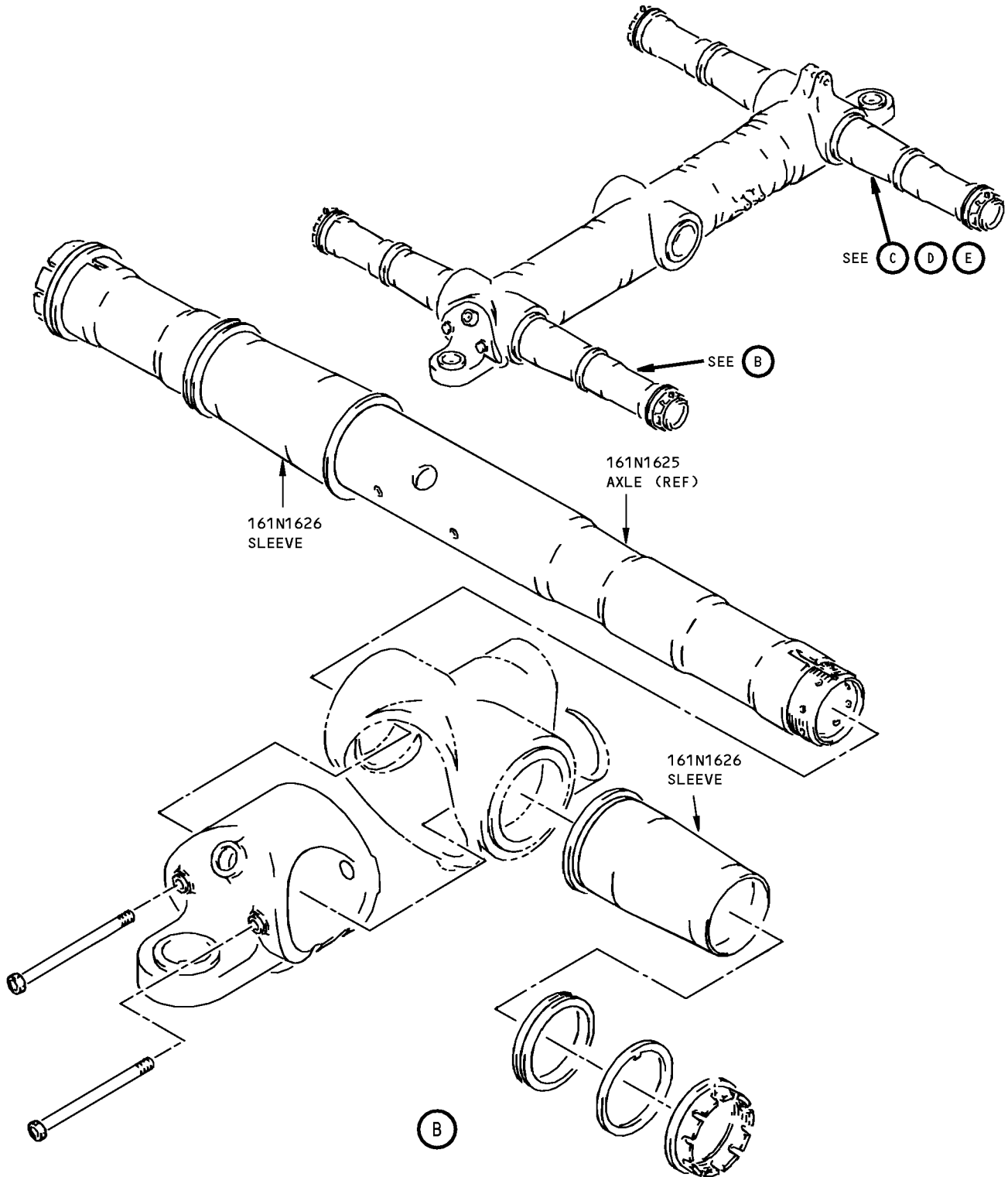
**DIMENSIONS:** 13 x 15 x 50 inches (330 x 381 x 1270 mm)

**NOTE:** B32059-15 supersedes B32059-1.



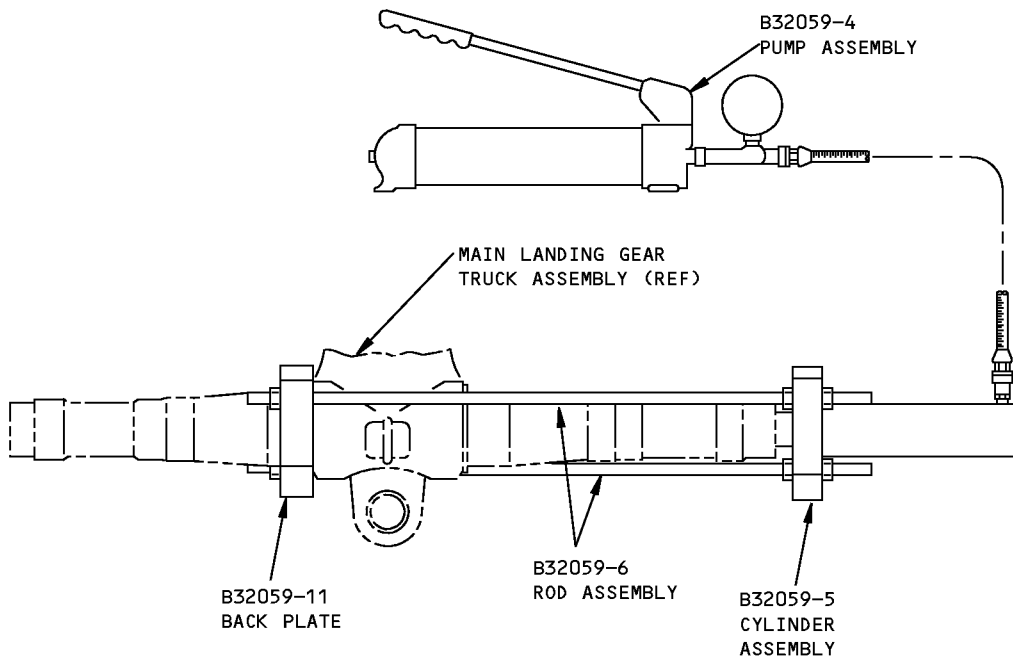
**MLG Axle Sleeve Puller Equipment**  
**Figure 1 (Sheet 1 of 4)**

**757**  
**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**MLG Axle Sleeve Puller Equipment**  
**Figure 1 (Sheet 2 of 4)**

**757**  
**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

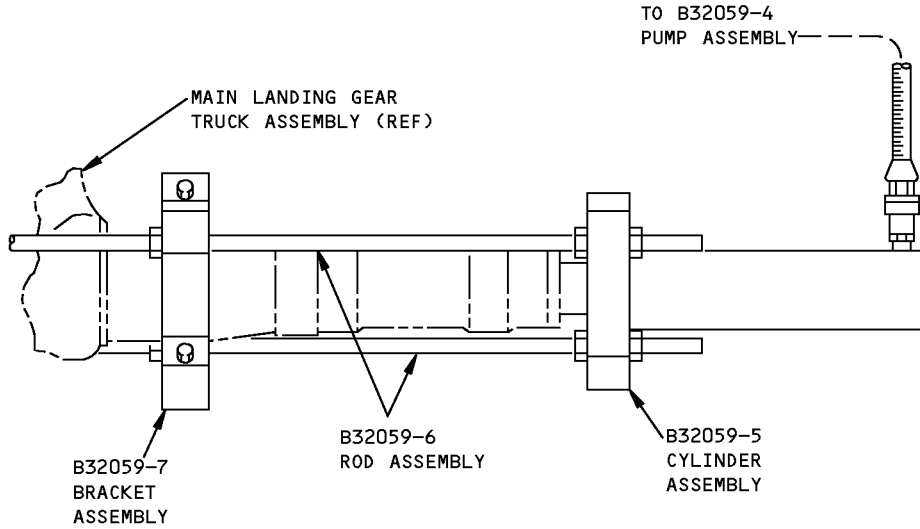


FOR REMOVAL WITHOUT HOLES

(C)

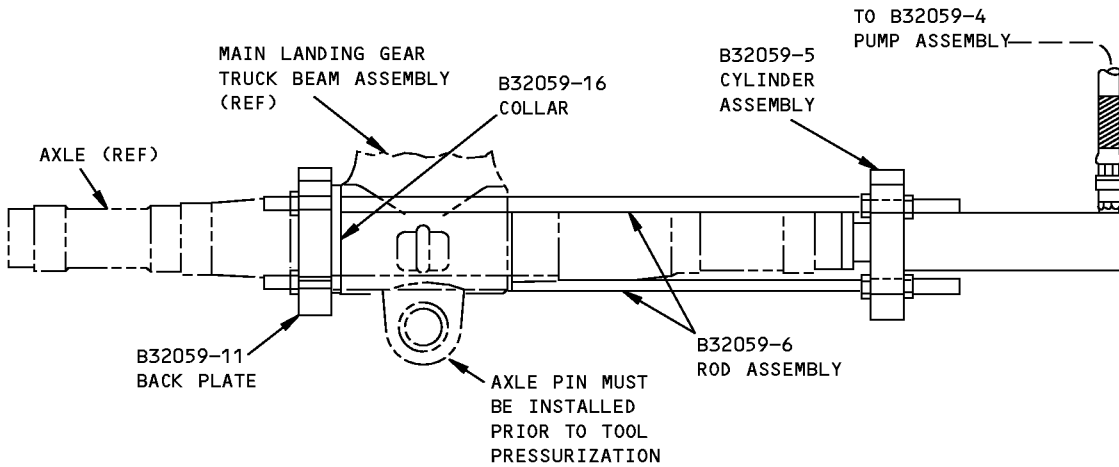
**MLG Axle Sleeve Puller Equipment**  
**Figure 1 (Sheet 3 of 4)**

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



FOR REMOVAL WITH HOLES

D



FOR BUSHING INSTALLATION ON TRUCK BEAM ASSEMBLY

E

**MLG Axle Sleeve Puller Equipment  
Figure 1 (Sheet 4 of 4)**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32060-1**

**NAME:** DRILL JIG - AXLE SLEEVE

**AIRPLANE MAINTENANCE:** NO

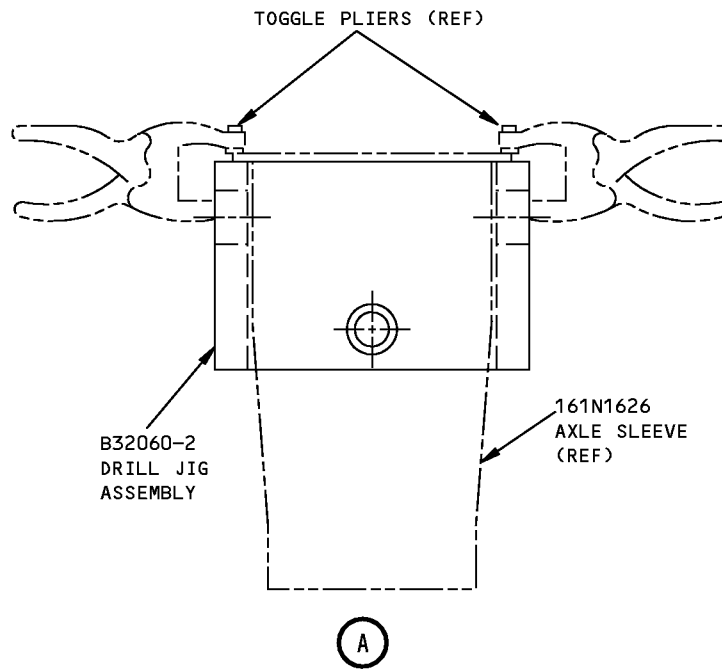
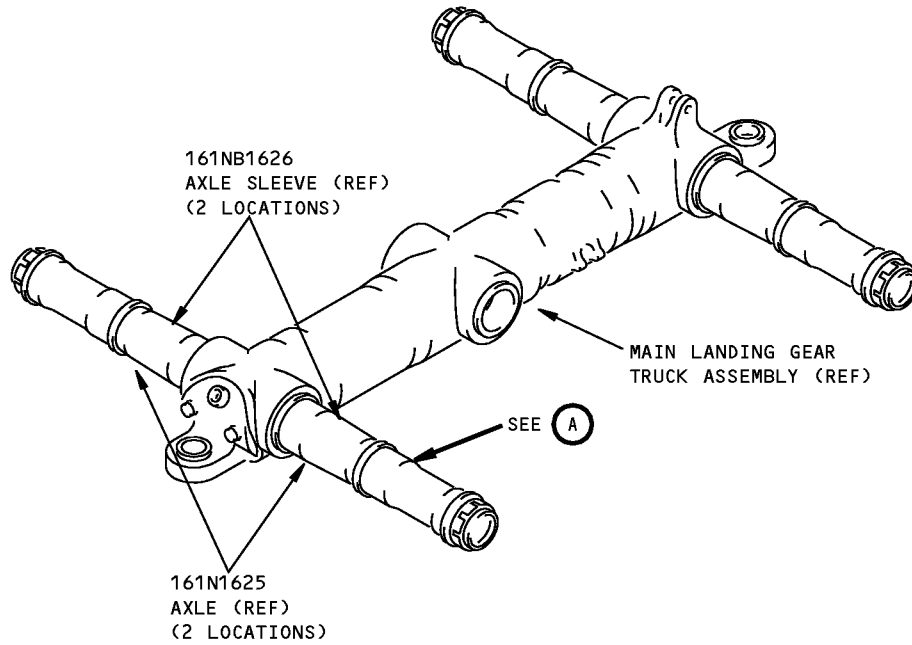
**COMPONENT MAINTENANCE:** YES

**USAGE & DESCRIPTION:** The B32060-1 drill jig is used during component maintenance on all 757 airplanes. B32060 is used for locating two holes in the axle sleeve assembly to allow installation of B32059 for removal of the 161N1626 axle sleeve from the 161N1625 main landing gear axles. B32060 is a rounded aluminum sleeve with two press-fitted drill bushings. B32060 is slid over the axle sleeve and held to the axle sleeve flange using customer-furnished toggle pliers. Holes are drilled through the B32060 drill jig bushings. Refer to the current B32060 drawing and CMM 32-11-56 for complete usage instructions. B32060-1 consists of a B32060-2 drill jig assembly contained in a storage box.

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

**DIMENSIONS:** 6 x 10 x 10 inches (152 x 254 x 254 mm)

**757**  
**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Axle Sleeve Drill Jig**  
**Figure 1**



757

## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32062-1**

**NAME:** TORQUE EQUIPMENT - SEQUENCE VALVE/BYPASS VALVE NOSE LANDING GEAR (NLG)

**AIRPLANE MAINTENANCE:** NO

**COMPONENT MAINTENANCE:** YES

**USAGE & DESCRIPTION:** The B32062-1 torque equipment is used during component maintenance on all 757 airplanes. B32062 is used to hold down the 273N1080 or 273N1095 gear sequence valve during overhaul of the nose landing gear bypass valve and removal or installation of the 273N1101 plug. Refer to the current B32062 drawing and CMM 32-34-33 for complete usage instructions. B32062-1 consists of:

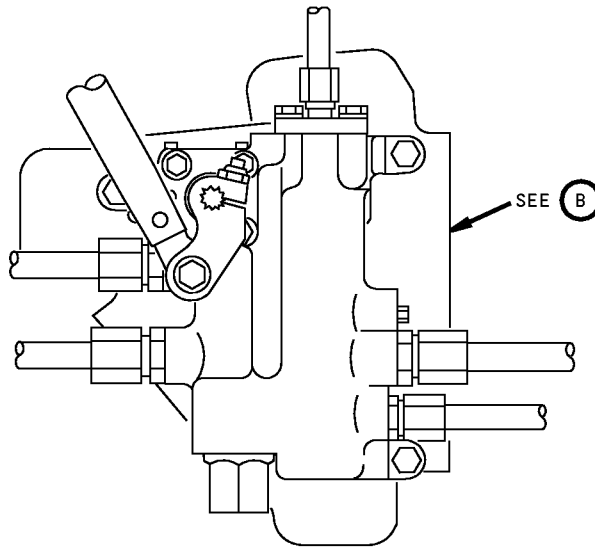
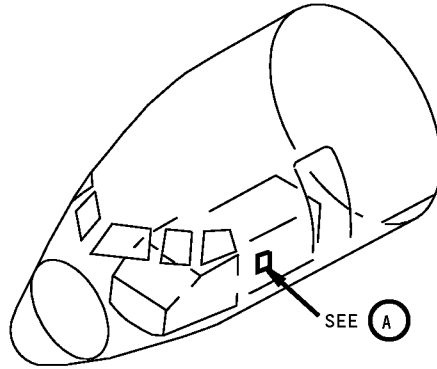
B32062-1		
QUANTITY	NOMENCLATURE	PART NUMBER
1	WRENCH ASSEMBLY	B32062-2
1	BASE PLATE	B32062-5
1	STORAGE BOX	

**WEIGHT:** 8 lbs (3.6 kg)

**DIMENSIONS:** 3 x 8 x 12 inches (76 x 203 x 305 mm)



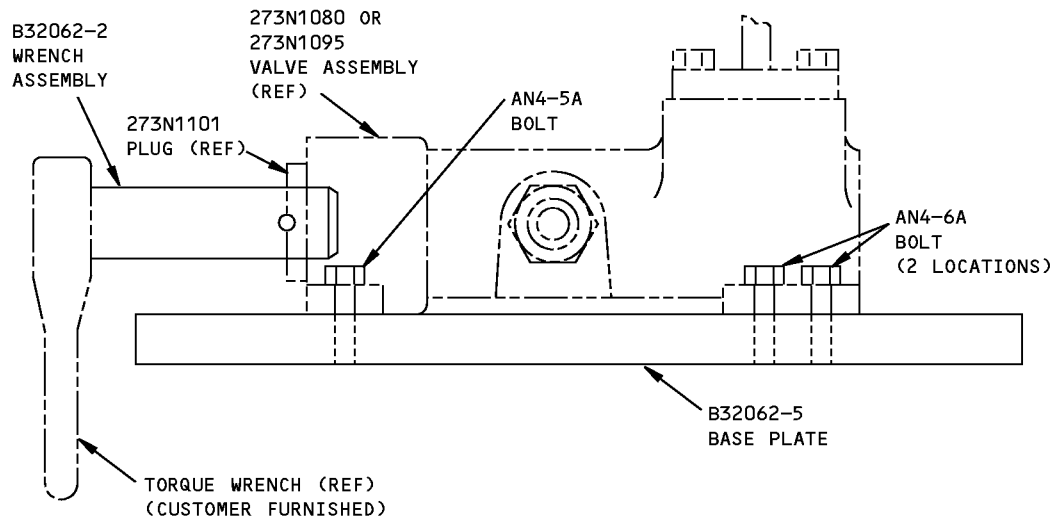
**757**  
**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



273N1080 OR 273N1095  
SEQUENCE VALVE

A

**NLG Sequence Valve/Bypass Valve Torque Equipment**  
**Figure 1 (Sheet 1 of 2)**



**B**

**NLG Sequence Valve/Bypass Valve Torque Equipment  
Figure 1 (Sheet 2 of 2)**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: G32021-18**

**NAME:** FORCE GAGE EQUIPMENT - LANDING GEAR LEVER

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The G32021-18 force gage equipment is used on all 757 airplanes. G32021 is used to measure the landing gear lever forces, movement from the detent position, lever up and lever down. Refer to AMM 32-31-00 for complete usage instructions. G32021-18 consists of:

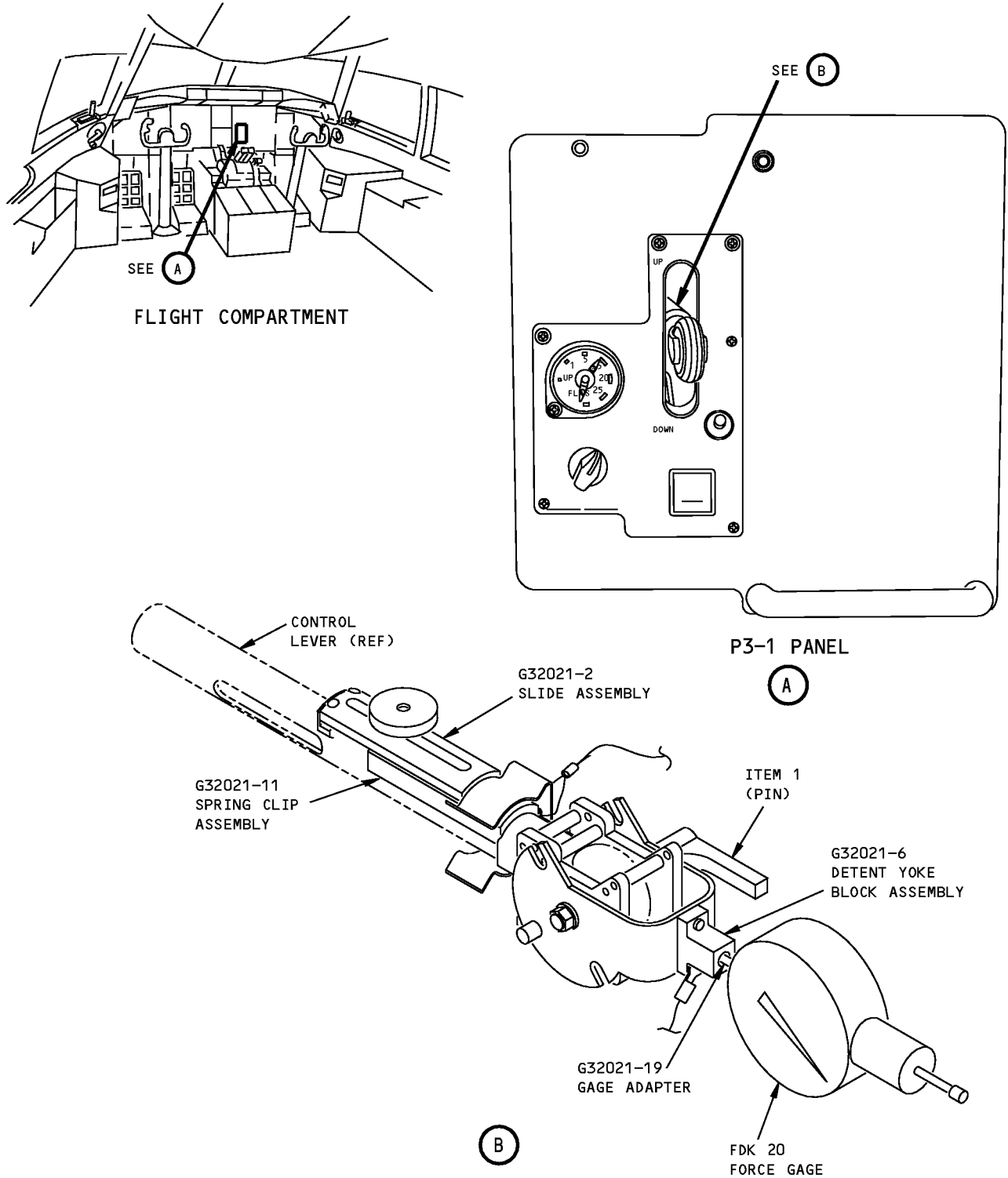
G32021-18		
QUANTITY	NOMENCLATURE	PART NUMBER
1	SLIDE ASSEMBLY	G32021-2
1	DETENT YOKE ASSEMBLY	G32021-6
1	SPRING CLIP ASSEMBLY	G32021-11
1	GAGE ADAPTER	G32021-19
1	BALL LOCK PIN	CL-4-BLPL-2.0-C
1	FORCE GAGE	FDK 20
1	STORAGE BOX	

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

**DIMENSIONS:** 4 x 6 x 6 inches (102 x 152 x 152 mm)

**NOTE:** G32021-18 supersedes G32021-1.

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Landing Gear Lever Force Gage Equipment  
Figure 1**



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**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

<b>REPAIRABLE/REPLACEABLE PARTS</b>			
<b>ITEM NO.</b>	<b>PART NO.</b>	<b>NOMENCLATURE</b>	<b>VENDOR CODE</b>
1	CL-4-BLPL-2.0-C	BALL LOCK PIN	V99862



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32017-1**

**NAME:** STRUT - HOLD OPEN, MAIN LANDING GEAR (MLG) DOOR

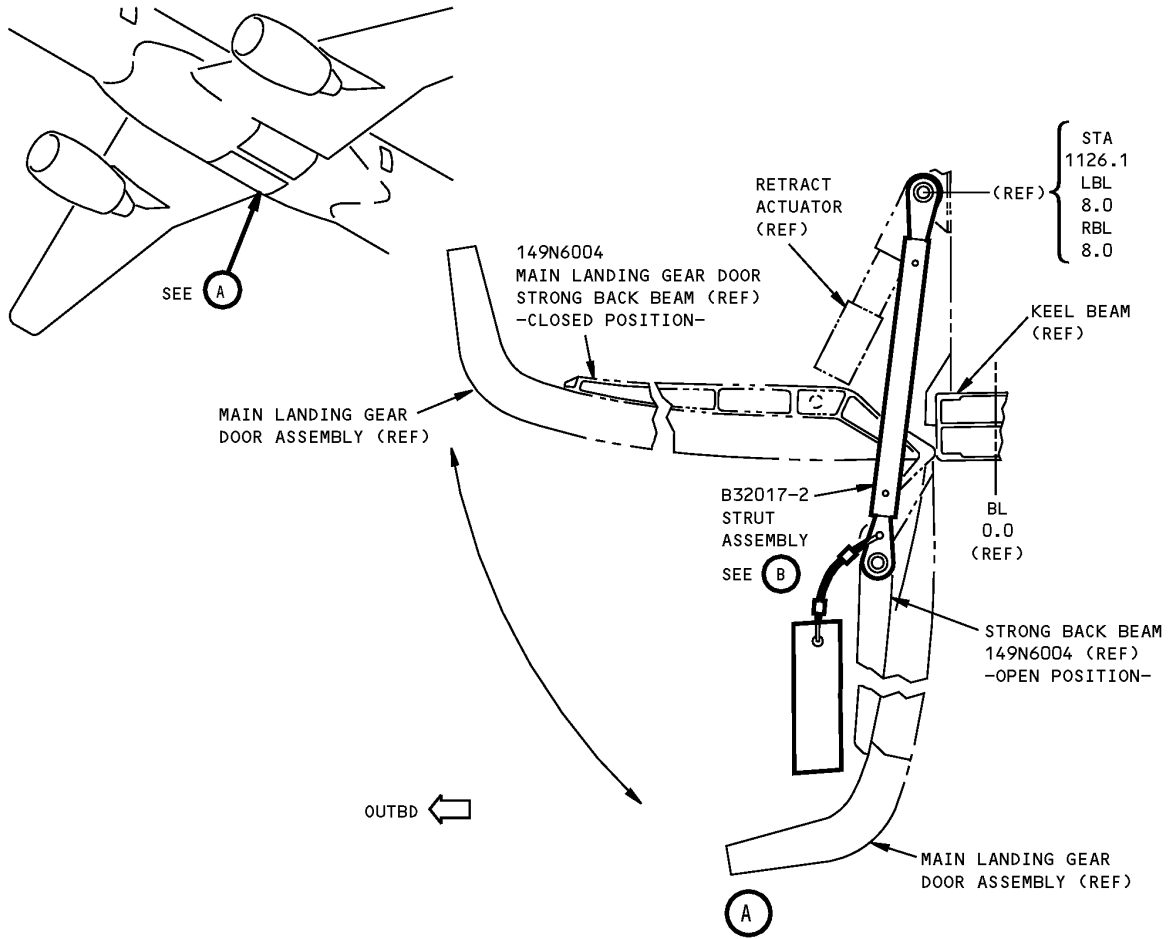
**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

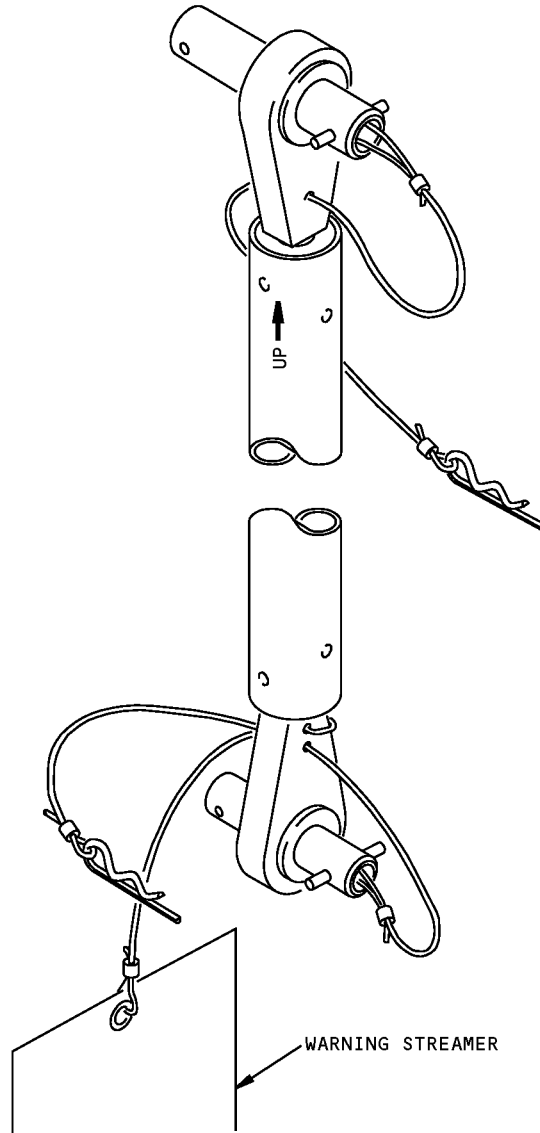
**USAGE & DESCRIPTION:** The B32017-1 strut is used on all 757 airplanes. B32017 is used to secure the main landing gear door in the open position during ground maintenance procedures on the main landing gear retract actuator. B32017 fastens into the actuator mounting bracket and the landing gear door strong back beam for actuator removal. Refer to AMM 32-32-12 for complete usage instructions. B32017-1 consists of two B32017-2 strut assemblies contained in a storage box.

**WEIGHT:** 80 lbs (36 kg)

**DIMENSIONS:** 3 x 12 x 52 inches (76 x 305 x 1321 mm)



**MLG Door Hold Open Strut  
Figure 1 (Sheet 1 of 2)**



B32017-2  
STRUT ASSEMBLY



**MLG Door Hold Open Strut  
Figure 1 (Sheet 2 of 2)**





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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32008-1**

**NAME:** HOIST ADAPTER - RETRACT ACTUATOR, MAIN LANDING GEAR (MLG)

**AIRPLANE MAINTENANCE:** YES

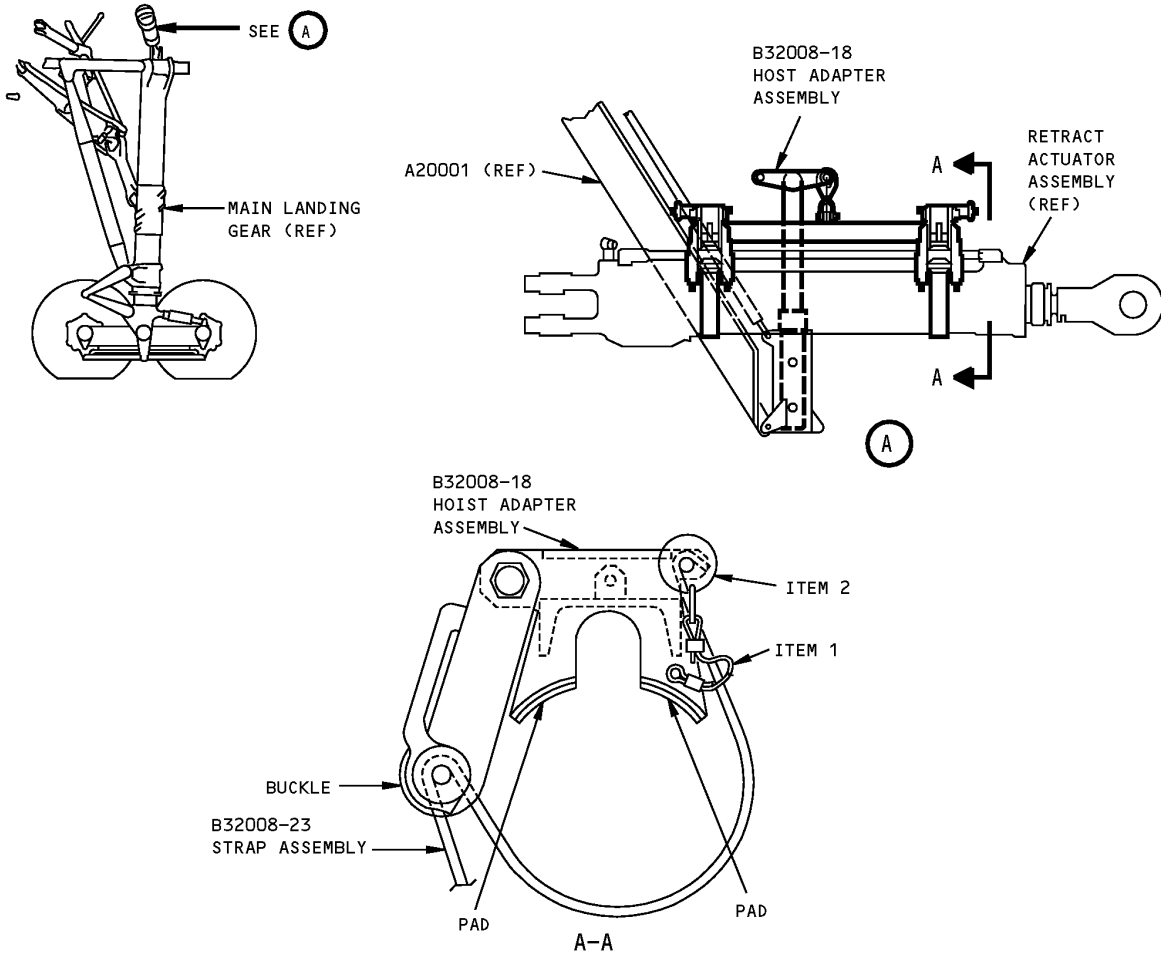
**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The B32008-1 hoist adapter is used on all 757 airplanes. B32008 is used for removal or installation of the main landing gear retract actuator assembly. B32008 is used in conjunction with the A20001 boom hoist and the A32027 retraction/extension pump. Refer to AMM 32-32-01 for complete usage instructions. B32008-1 consists of a B32008-18 hoist adapter assembly and two B32008-23 strap assemblies contained in a storage box.

**WEIGHT:** 20 lbs (9.1 kg)

**DIMENSIONS:** 12 x 24 x 36 inches (305 x 610 x 914 mm)

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**MLG Retract Actuator Hoist Adapter  
Figure 1**

REPAIRABLE/REPLACEABLE PARTS			
ITEM NO.	PART NO.	NOMENCLATURE	VENDOR CODE
1	CL-21-KA-12.0LR	LANYARD	V99862
2	NAS1334C3C19	BALL LOCK PIN	



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32064-1**

**NAME:** RIGGING FIXTURE - MAIN LANDING GEAR DOOR OPERATED SEQUENCE VALVE ASSEMBLY

**AIRPLANE MAINTENANCE:** NO

**COMPONENT MAINTENANCE:** YES

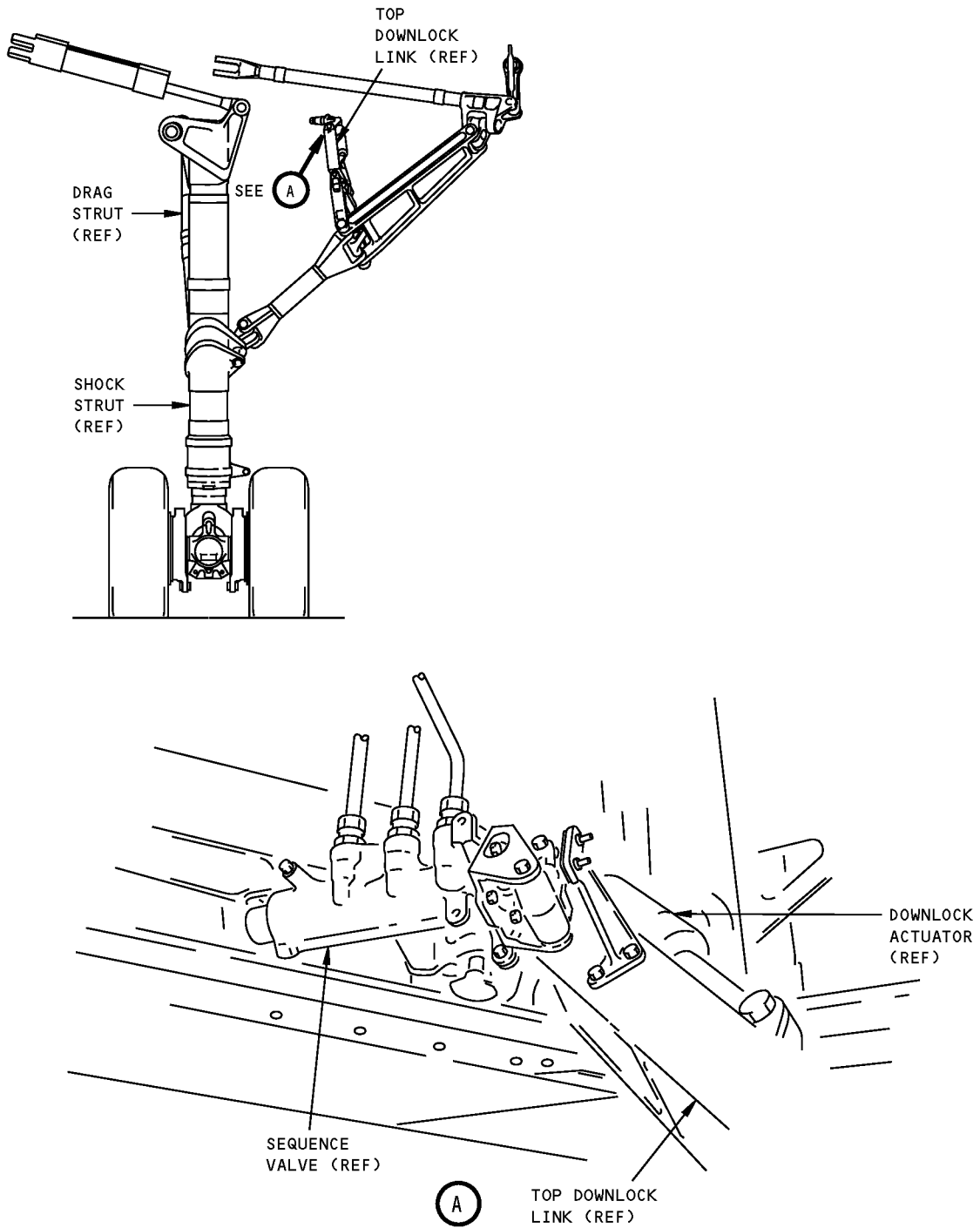
**USAGE & DESCRIPTION:** The B32064-1 rigging fixture is used during component maintenance on all 757 airplanes. B32064 is used to gage the location of the door operated sequencing valve bracket with respect to the valve body. Refer to CMM 32-32-53 for complete usage instructions. B32064-1 consists of:

<b>B32064-1</b>		
<b>QUANTITY</b>	<b>NOMENCLATURE</b>	<b>PART NUMBER</b>
1	SUPPORT ASSEMBLY	B32064-2
1	HOUSING ASSEMBLY	B32064-3
1	STORAGE BOX	

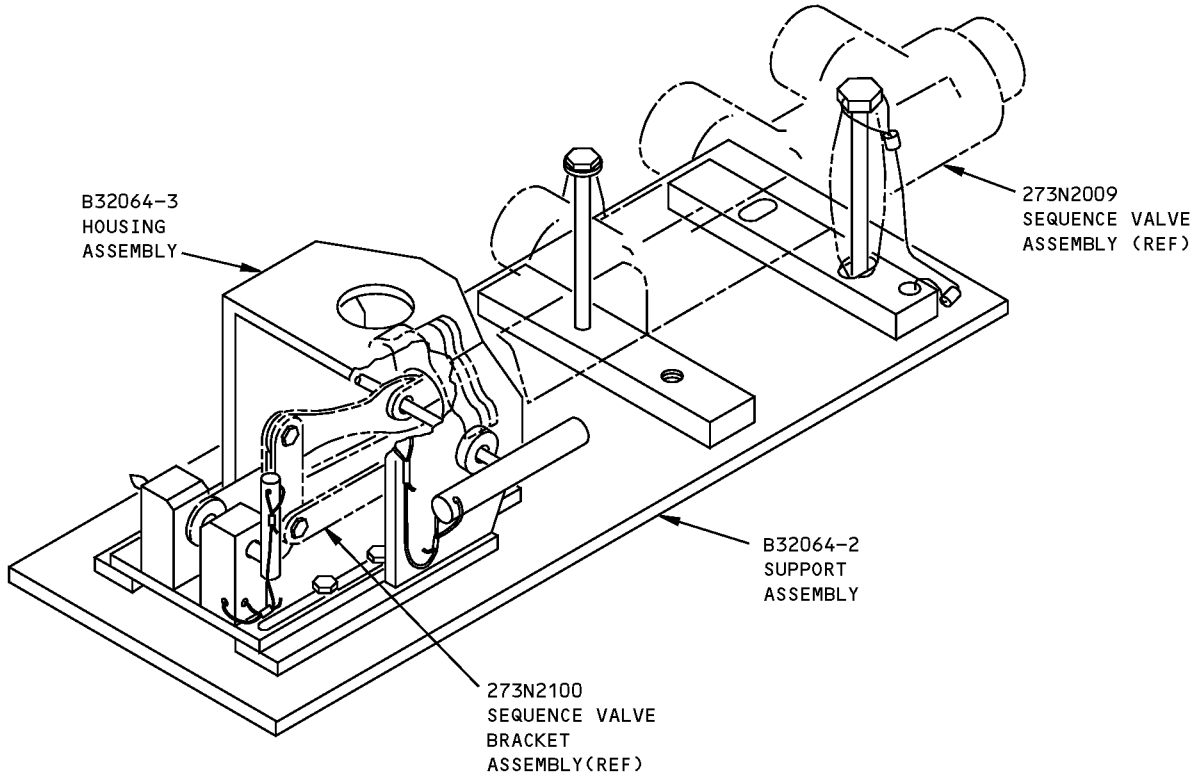
**WEIGHT:** 6 lbs (2.7 kg)

**DIMENSIONS:** 5 x 7 x 14 inches (127 x 178 x 356 mm)

**757**  
**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Main Landing Gear Door Operated Sequence Valve Assembly Rigging Fixture**  
**Figure 1 (Sheet 1 of 2)**



**Main Landing Gear Door Operated Sequence Valve Assembly Rigging Fixture  
Figure 1 (Sheet 2 of 2)**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32016-13**

**NAME:** BRAKE PULLER - MAIN LANDING GEAR

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** YES

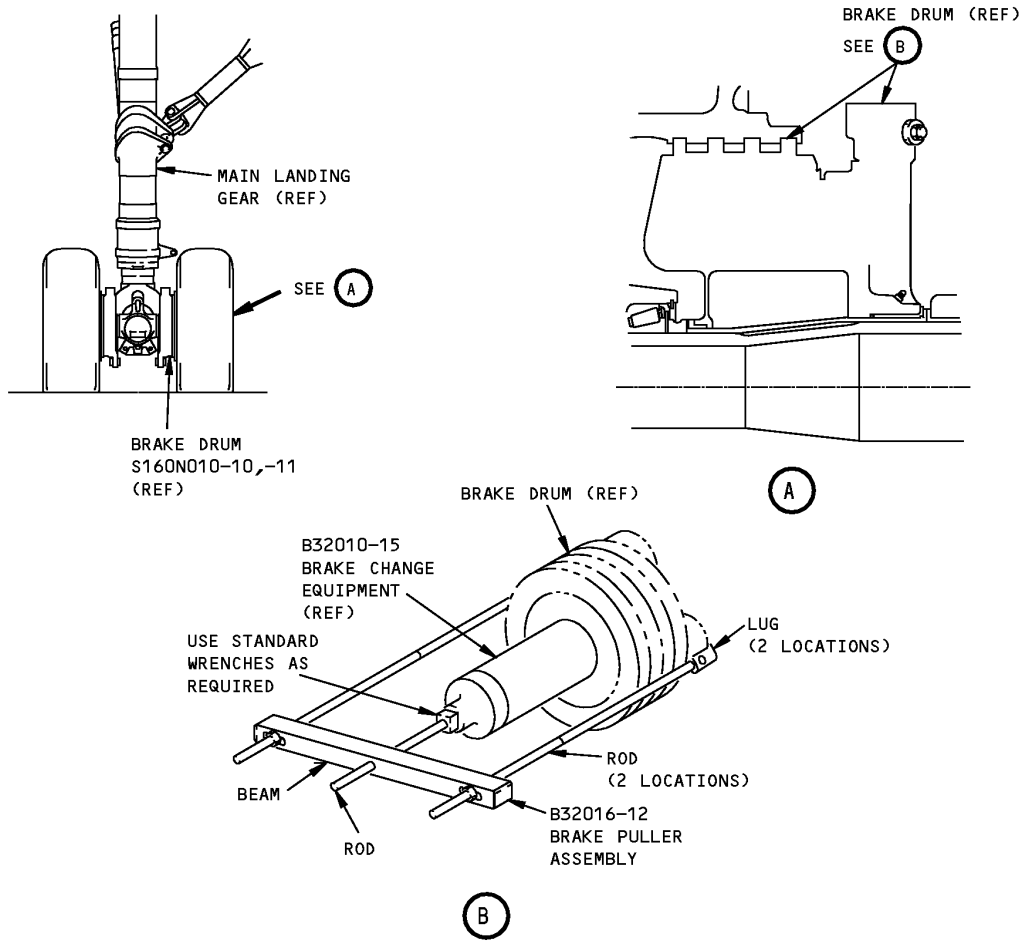
**USAGE & DESCRIPTION:** The B32016-13 brake puller is used on all 757 airplanes. B32016 is used to remove the main landing gear brake assembly during brake/wheel maintenance. B32016 is used with customer-furnished B32010-15 wheel and brake change equipment and standard wrenches. B32016 brake puller lugs fit around the edge of the brake assembly. Torque applied through B32016 brake puller rods pulls the brake assembly off the axle. Refer to AMM 32-41-10, CMM 32-11-23 and CMM 32-11-26 for complete usage instructions. B32016-13 consists of a B32016-12 puller assembly contained in a storage box.

**WEIGHT:** 56 lbs (25 kg)

**DIMENSIONS:** 8 x 24 x 40 inches (203 x 610 x 6096 mm)

**NOTE:** B32016-13 supersedes B32016-1.

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Main Landing Gear Brake Puller  
Figure 1**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32022-1, -6**

**NAME:** BRAKE DISCONNECT - FLIGHT DISPATCH

**AIRPLANE MAINTENANCE:** YES

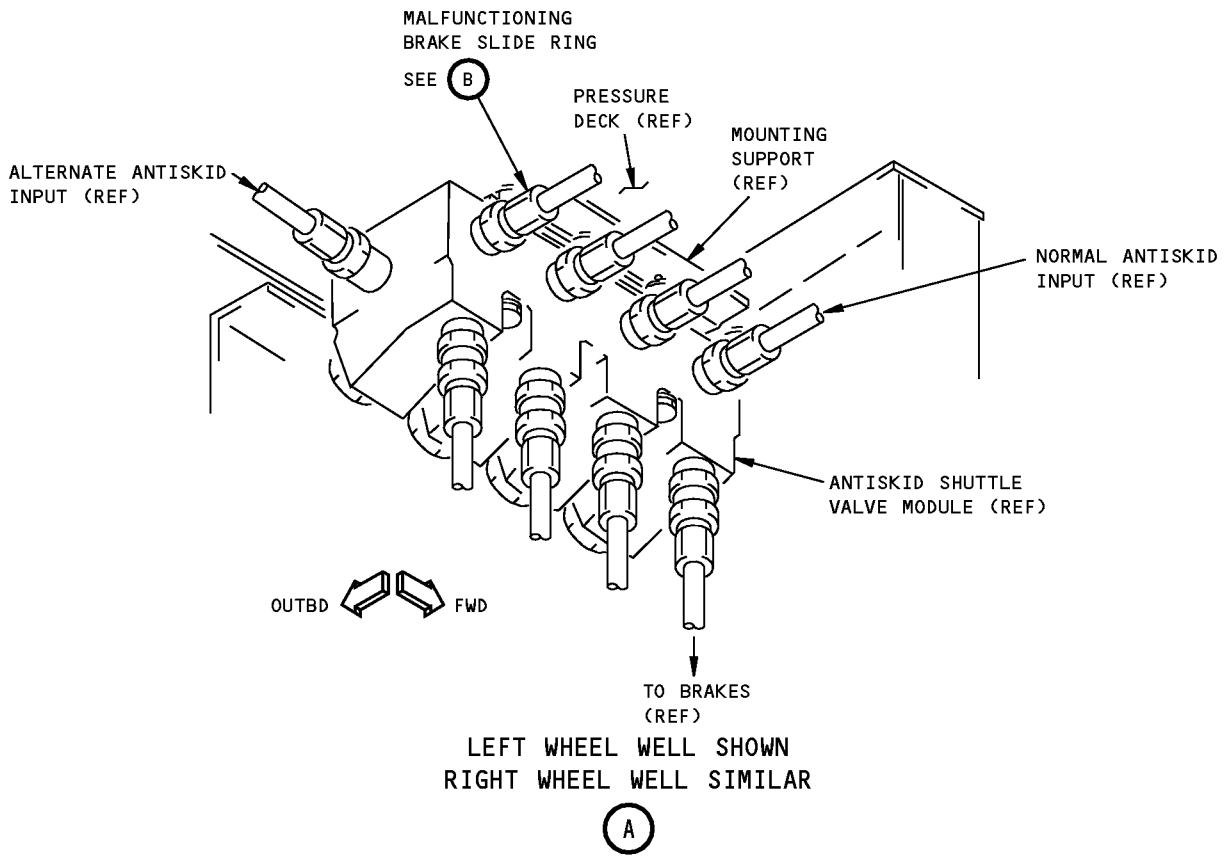
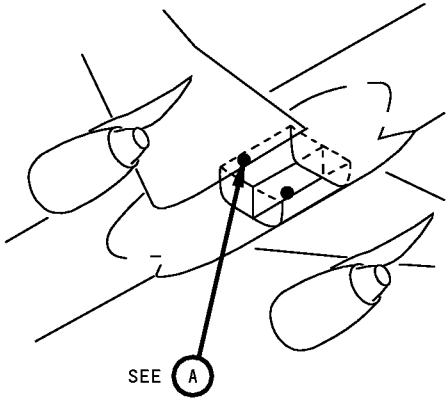
**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** B32022-1 or -6 brake disconnects may be used on 757 airplanes equipped with S274T120-1, -4, -6 and -8 antiskid shuttle valve modules. B32022 allows a 757 airplane equipped with S274T120-1, -4, -6 and -8 antiskid shuttle valve modules to dispatch with any one of the eight brakes inoperative. The malfunctioning brake's shuttle valve slide plug is removed, and a B32022 brake disconnect is inserted in its place. Refer to the 757 Dispatch Deviation Guide (D630N002), 2-32-41-1.0 for complete usage instructions. B32022-6 consists of a S274T120-11 disconnect and a usage placard, both contained in a storage bag.

**NOTE:** A32080 replaces B32022-6 and B32022-1 for future procurement.  
B32022-6 replaces B32022-1.

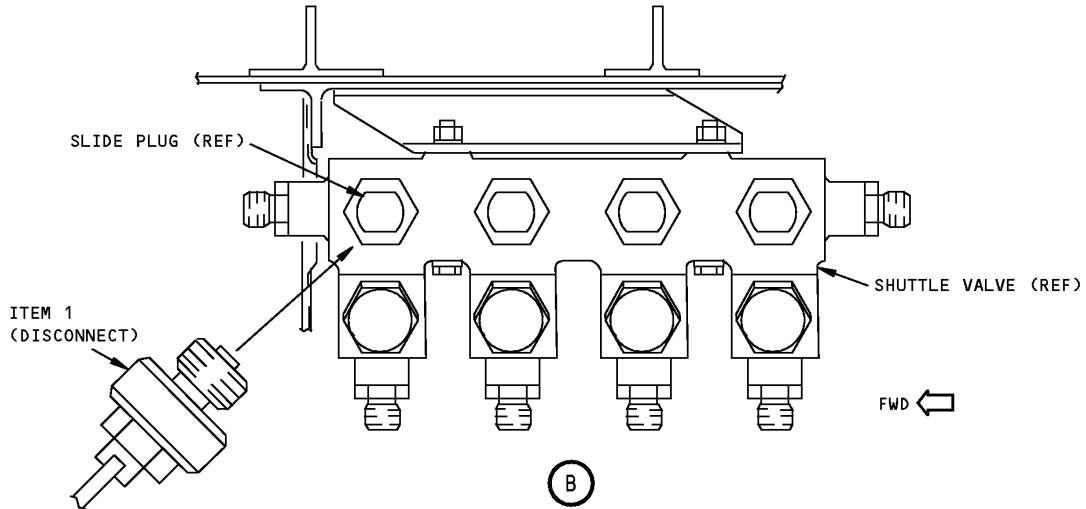


**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Flight Dispatch Brake Disconnect  
Figure 1 (Sheet 1 of 2)**

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Flight Dispatch Brake Disconnect  
Figure 1 (Sheet 2 of 2)**

REPAIRABLE/REPLACEABLE PARTS			
ITEM NO.	PART NO.	NOMENCLATURE	VENDOR CODE
1	S274T120-11	DISCONNECT	



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**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

**PART NUMBER: B32035-10**

**NAME:** INSTALLATION TOOL SET - RETAINER NUT, ANTI-SKID TRANSDUCER

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** YES

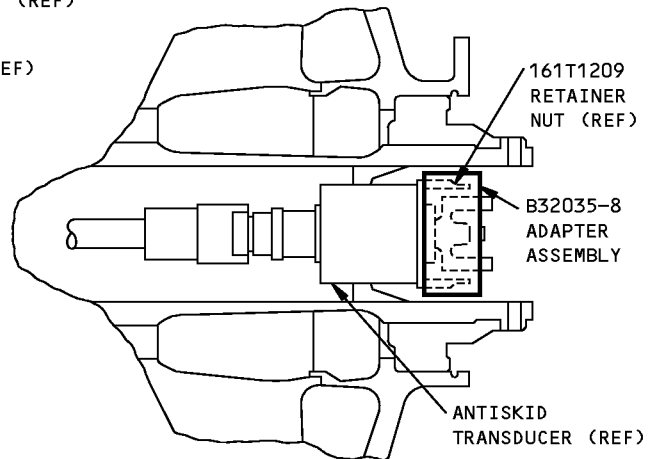
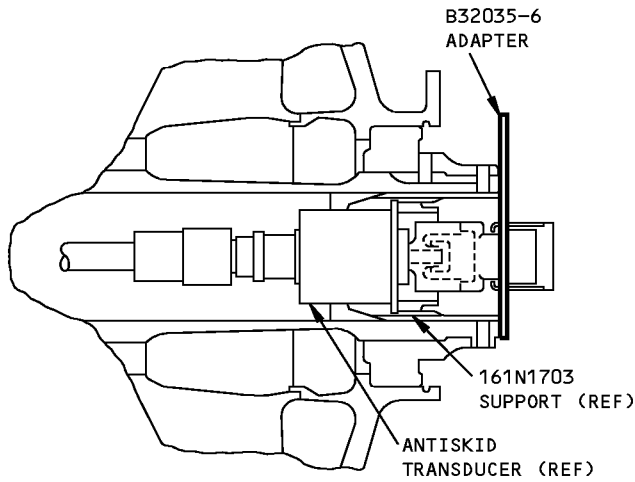
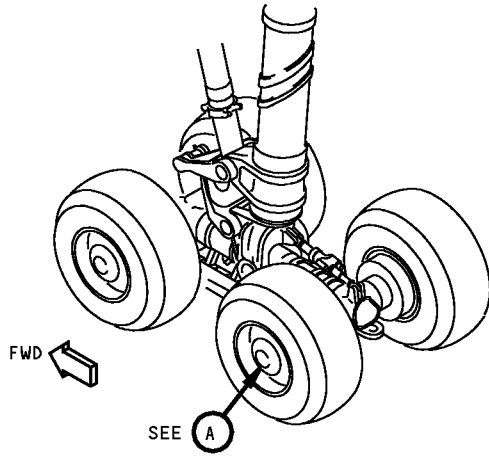
**USAGE & DESCRIPTION:** The B32035-10 installation tool set is used on all 757 airplanes. B32035 is used to aid in installation, removal and torquing of the 161T1209 anti-skid transducer retainer nut. A B32035-8 adapter assembly removes the 161T1209 retainer nut and the B32035-6 adapter removes the 161N1703 support. Refer to AMM 32-42-06, CMM 32-11-23 and CMM 32-11-26 for complete usage instructions. B32035-10 consists of a B32035-8 adapter assembly and a B32035-6 adapter, both contained in a storage box.

**WEIGHT:** 3 lbs (1.4 kg)

**DIMENSIONS:** 3 x 6 x 20 inches (76 x 152 x 508 mm)

**NOTE:** B32035-10 supersedes B32035-1.

**757  
ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



A

**Anti-Skid Transducer Retainer Nut Installation Tool Set  
Figure 1**

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

**PART NUMBER: A32075-1, -9, -10**

**NAME:** ADAPTER - ANTI-SKID TRANSDUCER SPIN-UP

**AIRPLANE MAINTENANCE:** YES

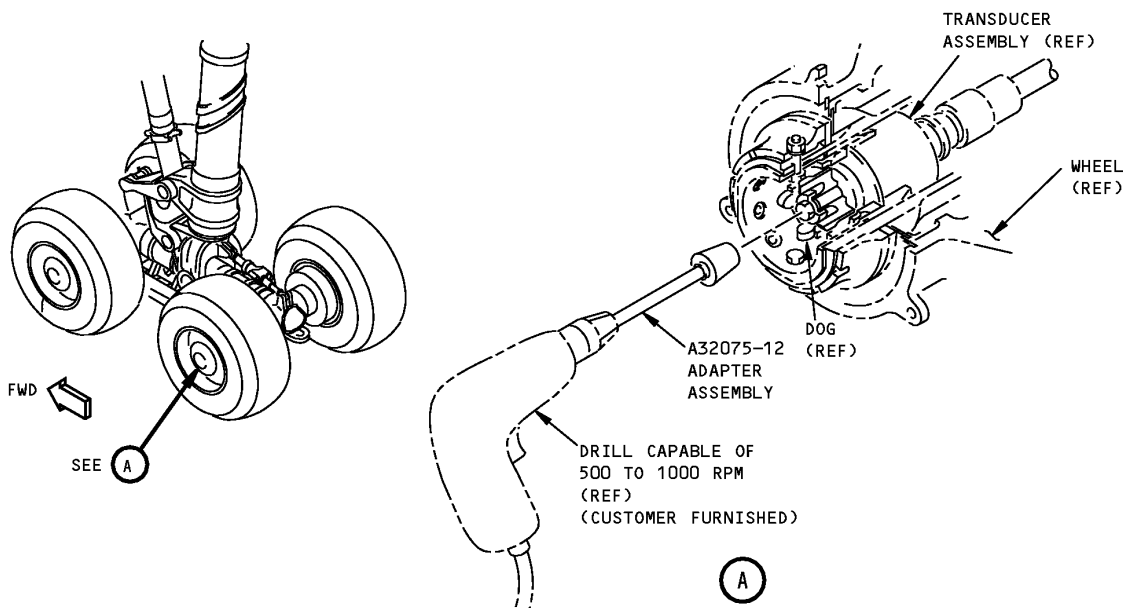
**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The A32075-1, -9 or -10 (preferred) adapter is used on all 757 airplanes. A32075 is used with a customer-furnished drill to spin the wheel speed transducer during transducer circuit test of the anti-skid system. A32075-9 is a modified A32075-1, which adds 737-200 thru -500 airplane capability to the existing adapter. Refer to AMM 32-42-06 for complete usage instructions. A32075-10 consists of a A32075-12 adapter assembly contained in a storage box.

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

**DIMENSIONS:** 6 x 6 x 12 inches (162 x 162 x 305 mm)

**NOTE:** A32075-10 replaces both A32075-1 and A32075-9 for future procurement.



**Anti-Skid Transducer Spin-Up Adapter  
Figure 1**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: A32080-1**

**NAME:** BRAKE DISCONNECT - FLIGHT DISPATCH

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The A32080-1 brake disconnect is used on all 757 airplanes. A32080 allows a 757 airplane to dispatch with any one of the eight brakes inoperative. The malfunctioning brake's shuttle valve slide plug is removed and an A32080 brake disconnect is inserted in its place. Refer to the 757 Dispatch Deviation Guide (D630N002), 2-32-41-1.0 for complete usage instructions. A32080-1 consists of:

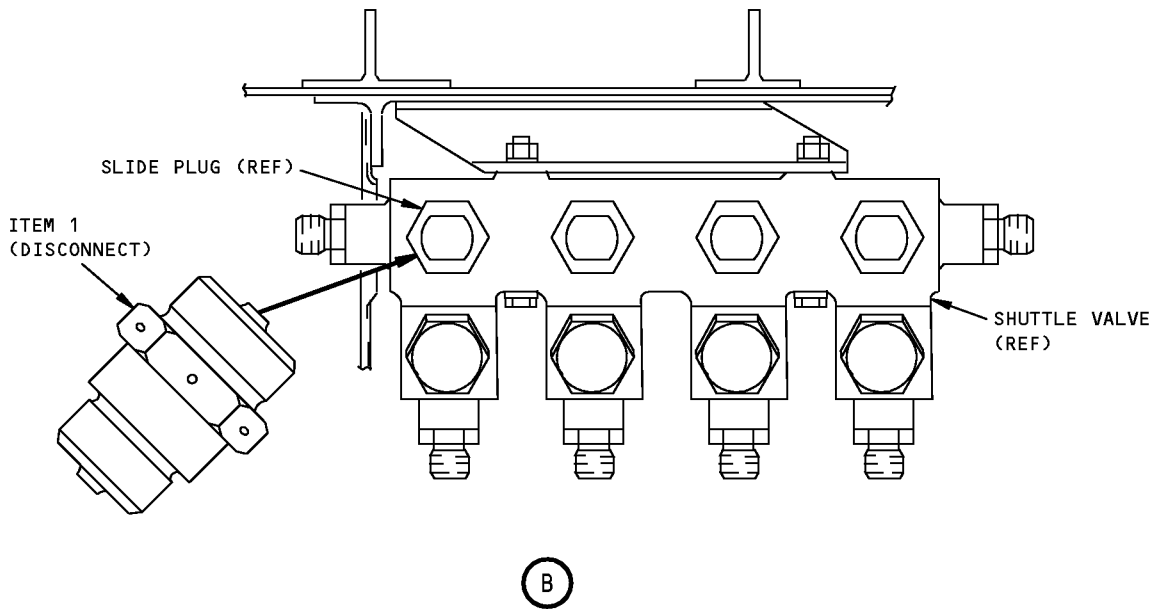
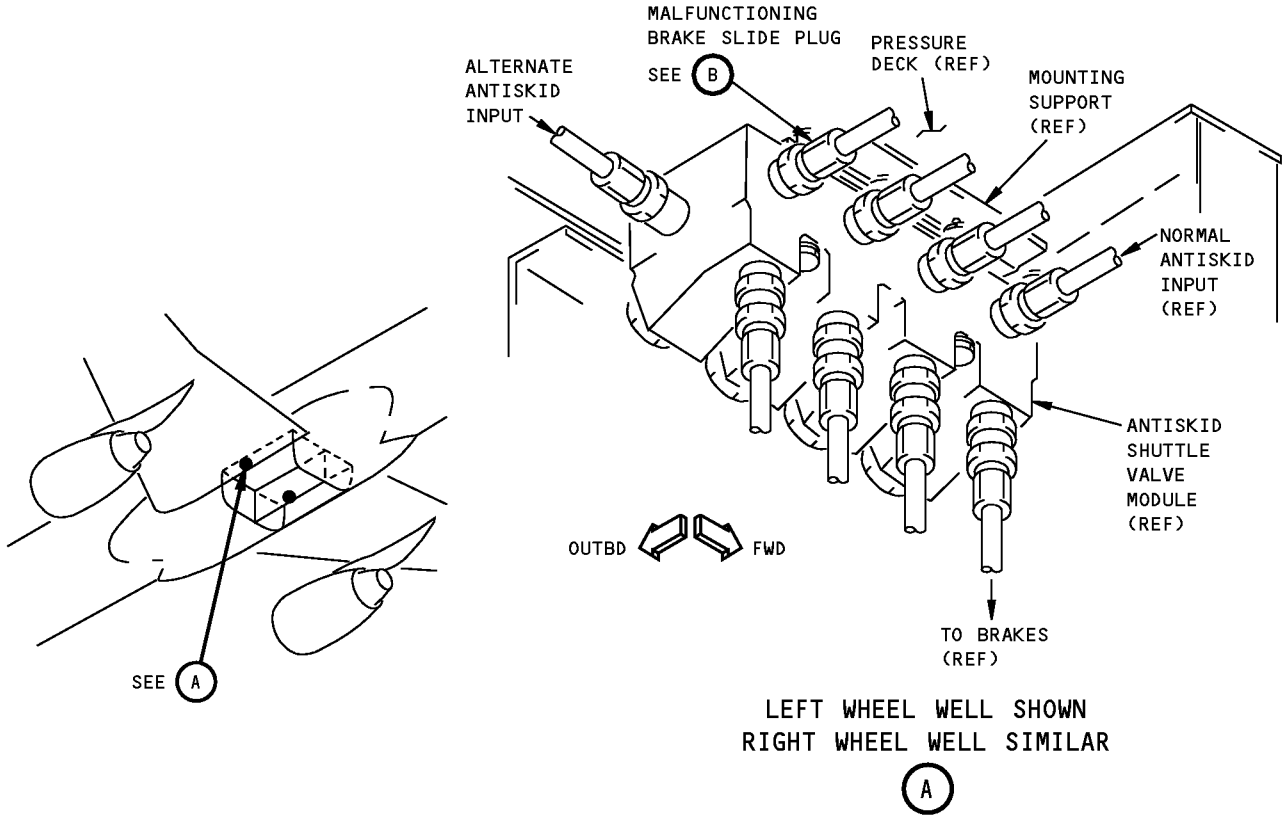
A32080-1		
QUANTITY	NOMENCLATURE	PART NUMBER
1	DISCONNECT	A32080-4
1	DISCONNECT (OPTION TO A32080-4)	2-7461-3
1	PLACARD	A32080-6
1	STORAGE BAG	A32080-7

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

**DIMENSIONS:** 2 x 2 x 3 inches (51 x 51 x 76 mm)

**NOTE:** A32080-1 replaces A32001-1, B32022-1 or -6 for future procurement.

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Flight Dispatch Brake Disconnect  
Figure 1**



757

ILLUSTRATED TOOL AND EQUIPMENT MANUAL

REPAIRABLE/REPLACEABLE PARTS			
ITEM NO.	PART NO.	NOMENCLATURE	VENDOR CODE
1	A32080-4	DISCONNECT	
1	2-7461-3	DISCONNECT	DOWTY AEROSPACE YAKIMA, WA





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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32058-27**

**NAME:** ALIGNMENT EQUIPMENT - BRAKE ROTOR, MAIN LANDING GEAR (MLG)

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** B32058-27 alignment equipment is used on the 757-200, -200C and -200 package freighter airplanes equipped with B. F. Goodrich steel brakes. B32058 is used to align the brake rotors for wheel installation. Refer to AMM 32-41-10 for complete information. B32058-27 consists of:

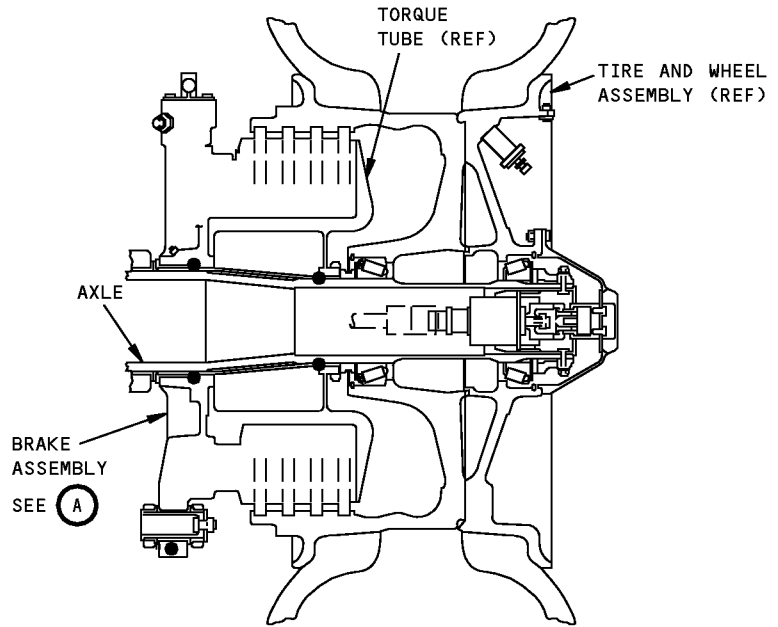
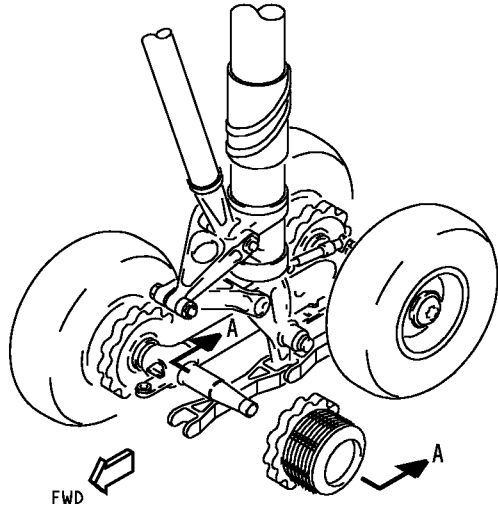
<b>B32058-27</b>		
<b>QUANTITY</b>	<b>NOMENCLATURE</b>	<b>PART NUMBER</b>
1	ALIGNMENT ASSEMBLY	B32058-31
1	BEARING	B32058-11
1	ALIGNMENT ASSEMBLY	B32058-29
1	STORAGE BOX	

**WEIGHT:** 40 lbs (18 kg)

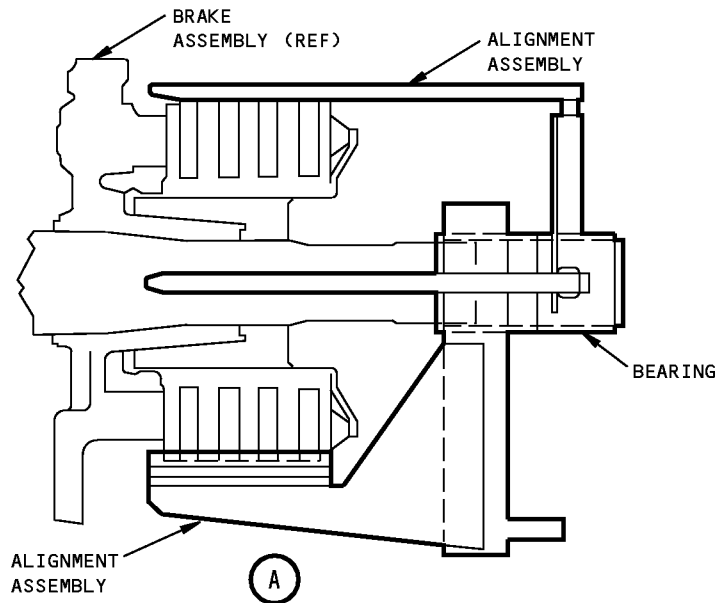
**DIMENSIONS:** 15 x 20 x 24 inches (381 x 508 x 610 mm)

**NOTE:** B32058-27 supersedes B32058-14.

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**BRAKE ASSEMBLY  
(SHOWN WITH THE WHEEL INSTALLED)  
A-A**



**MLG Brake Rotor Alignment Equipment  
Figure 1**



757

## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: AA1364**

**NAME:** ALIGNMENT FIXTURE

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

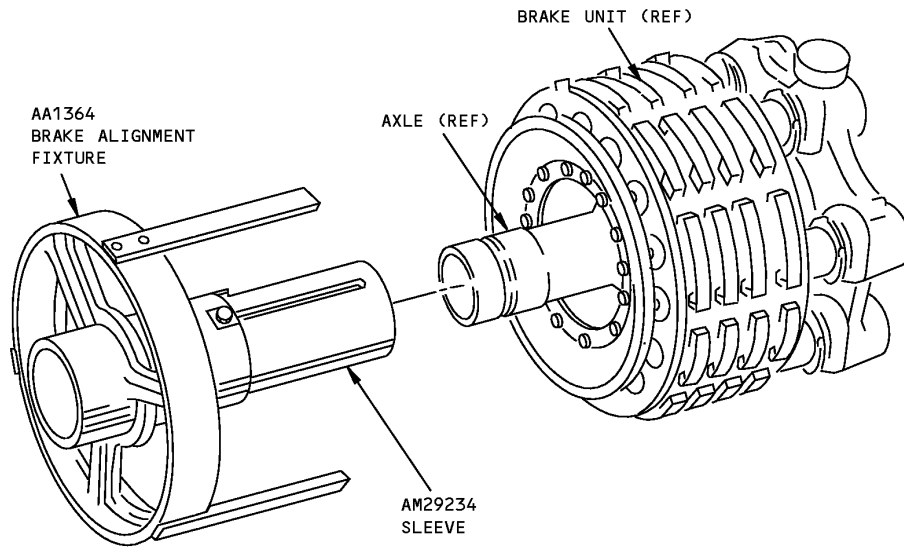
**USAGE & DESCRIPTION:** The AA1364 alignment fixture is used on 757 airplanes equipped with Dunlop carbon brake rotors. AA1364 is used for the alignment of Dunlop carbon rotor plate tenon slots on the brake prior to fitting of the wheel onto the undercarriage axle. This is achieved by sliding the sleeve (AM29234) over the undercarriage axle, to engage rotor slots along the arms of the alignment fixture. The brake is then pressurized and the fixture removed allowing the wheel to be freely and accurately fitted to the axle. Refer to AMM 32-41-10 for complete usage instructions.

AA1364 consists of an anodized frame. The frame contains a sliding sleeve for locating over the undercarriage axle. The frame also includes three alignment arms attached to the outer periphery of the frame to align the brake rotors.

AA1364 is manufactured by: Dunlop Aviation Inc. 9731 Topanga Canyon Place Chatsworth, CA 91311 (V1M524).

**DIMENSIONS:** Approximate overall dimensions are: 16 inches long and 13 inches diameter.

**757  
ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Alignment Fixture  
Figure 1**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32063-1**

**NAME:** TEST FIXTURE EQUIPMENT - AUTOBRAKE ACTUATOR

**AIRPLANE MAINTENANCE:** NO

**COMPONENT MAINTENANCE:** YES

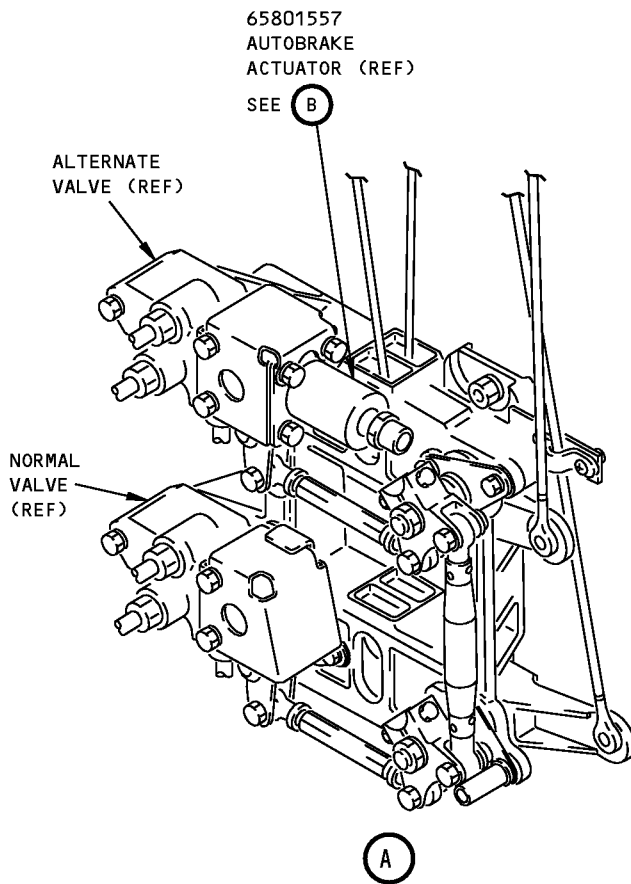
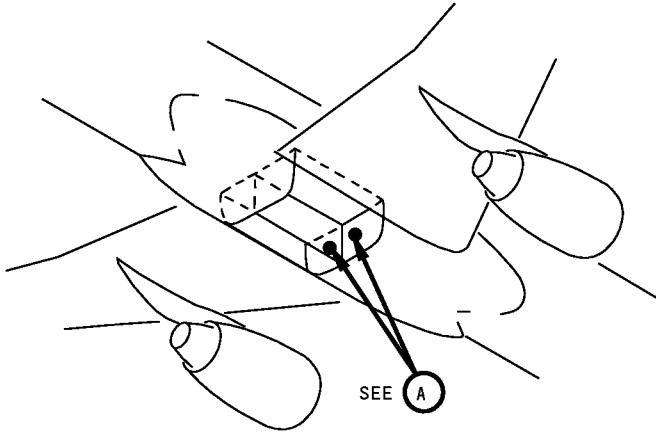
**USAGE & DESCRIPTION:** The B32063-1 test fixture equipment is used during component maintenance on all 757 airplanes. B32063 is used to hold the 65801557 autobrake actuator assembly while measuring the force and displacement of the actuator plunger. Refer to CMM 32-41-26 for complete usage instructions. B32063-1 consists of:

<b>B32063-1</b>		
<b>QUANTITY</b>	<b>NOMENCLATURE</b>	<b>PART NUMBER</b>
1	FIXTURE ASSEMBLY	B32063-2
1	ACTUATOR ADAPTER ASSEMBLY	B32063-3
1	FORCE GAGE	X-C
1	DIAL TEST INDICATOR	196A
1	STORAGE BOX	

**WEIGHT:** 15 lbs (7 kg)

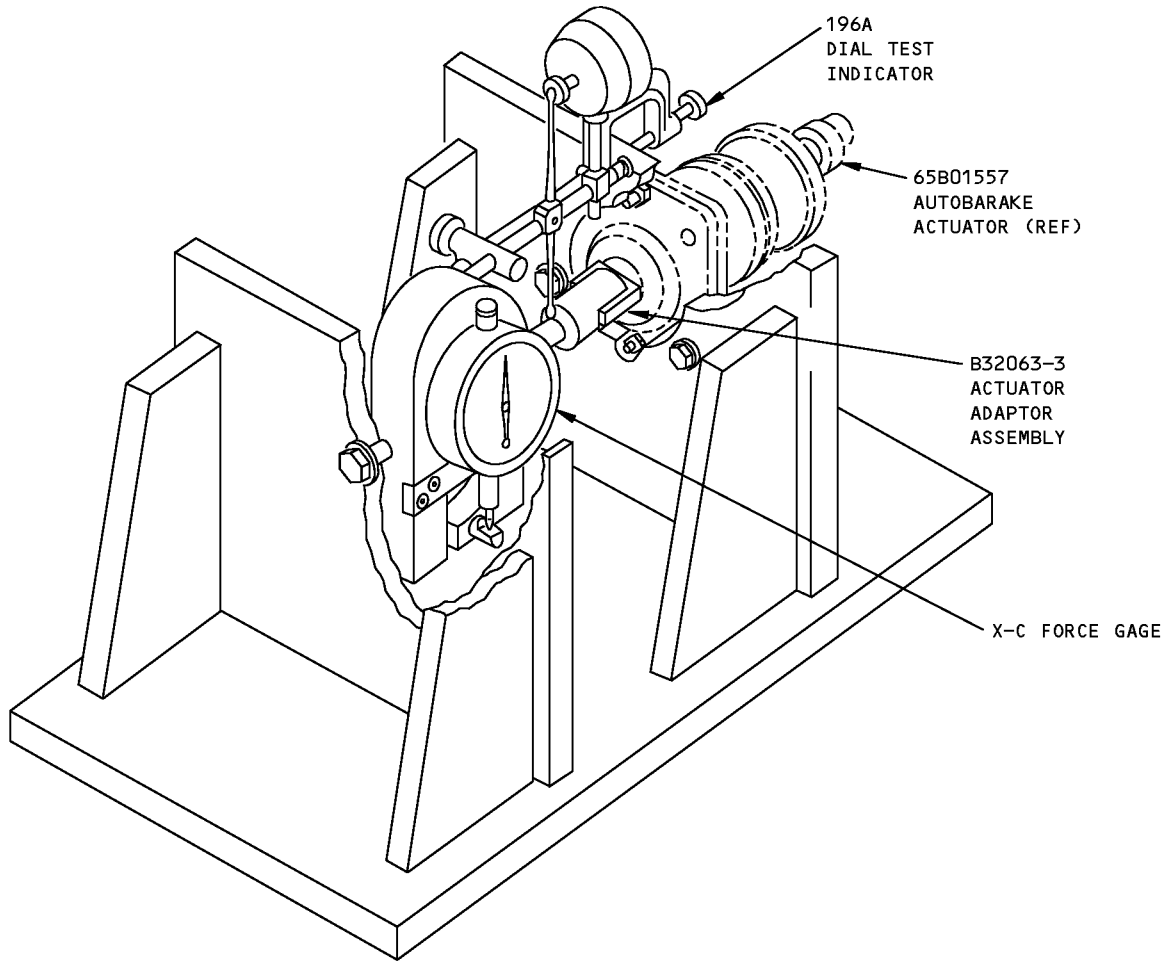
**DIMENSIONS:** 10 x 11 x 20 inches (254 x 279 x 508 mm)

**757  
ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Autobrake Actuator Test Fixture Equipment  
Figure 1 (Sheet 1 of 2)**

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(B)

**Autobrake Actuator Test Fixture Equipment  
Figure 1 (Sheet 2 of 2)**



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**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

**PART NUMBER: C32011-7**

**NAME:** SOCKET EQUIPMENT - BRAKE DISCONNECT VALVE

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The C32011-7 socket equipment is used on all 757 airplanes. C32011 is used to remove and install the brake disconnect coupling half. Refer to the current C32011 drawing and AMM 32-41-08 for complete usage instructions. C32011-7 consists of a C32011-8 cap assembly and a C32011-10 socket, both contained in a storage box.

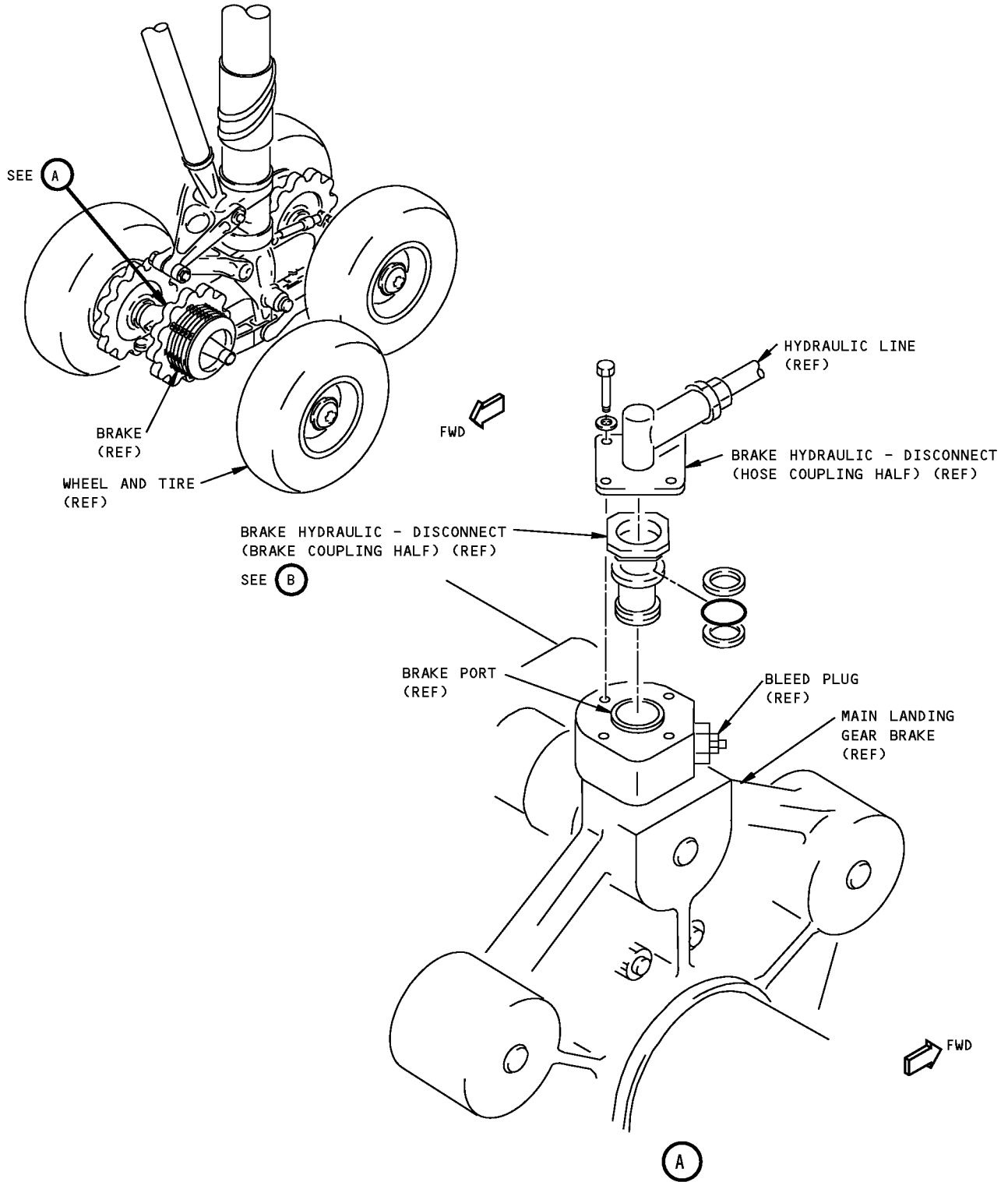
**WEIGHT:** 1 lb (0.45 kg)

**DIMENSIONS:** 1 x 3 x 3 inches (25 x 76 x 76 mm)

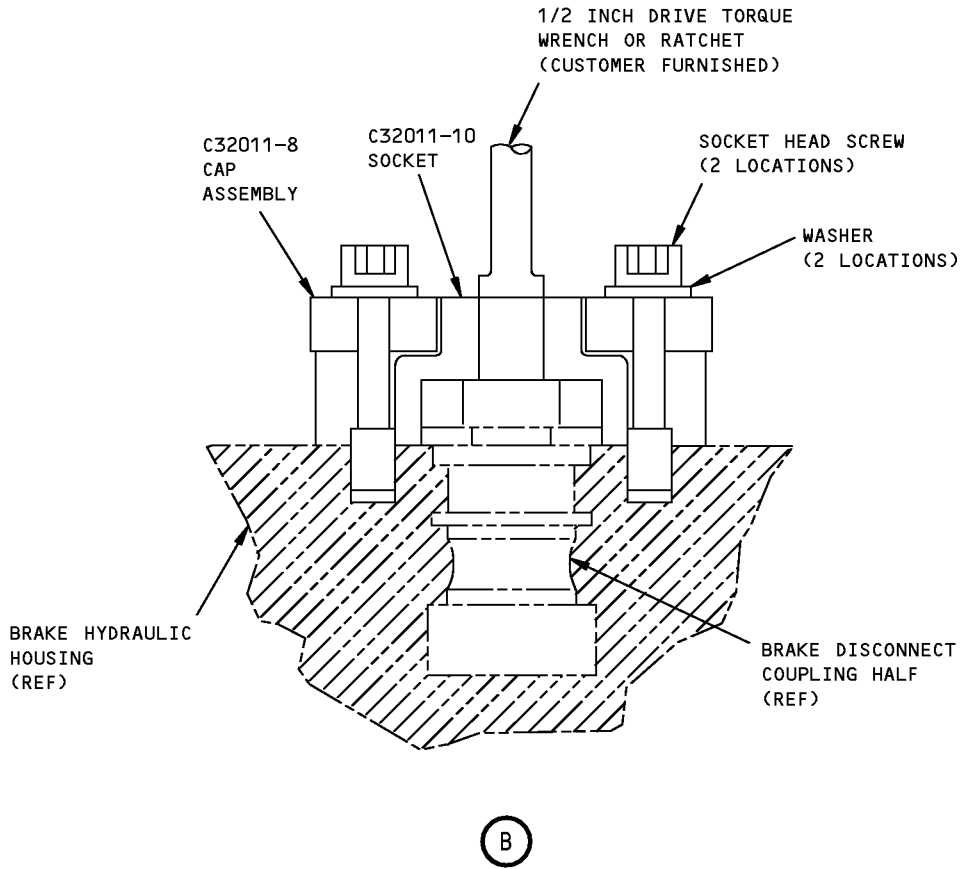
**NOTE:** C32011-7 supersedes C32011-1.



**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Brake Disconnect Valve Socket Equipment**  
**Figure 1 (Sheet 1 of 2)**



**Brake Disconnect Valve Socket Equipment  
Figure 1 (Sheet 2 of 2)**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: J32001-63, -64**

**NAME:** MEASURING EQUIPMENT - BRAKE PEDAL

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** J32001-63 or -64 (preferred) is used on all 757 airplanes. J32001-63 or -64 is used to measure the load applied and angle of travel of the airplane's brake pedals during the system test of the hydraulic brake system. Refer to AMM 32-41-00 for complete usage instructions.

The difference between the J32001-63 and -64 is due to an obsolete clinometer component of the J32001-63 equipment. The clinometer (part number 02383) was built with an electrical connector that required the use of the J32001-4 cable assembly. The obsolete clinometer was kept as a component to accommodate airline users that had these formerly required components. The J32001-64 incorporates a clinometer (part number 0211 1002-000) that used a pig-tail system for connection and does not require a separate cable assembly for the electrical connection. The superseded J32001-43 (including the 02383 clinometer) can be reworked into the J32001-63 configuration. The superseded J32001-46 (including the 0211 1002-000 clinometer) can be reworked into the J32001-64 configuration.

J32001-63 and -64 consist of:

J32001-63		
QUANTITY	NOMENCLATURE	PART NUMBER
1	TOOL ASSEMBLY	J32001-61
1	TEST BOX ASSEMBLY	J32001-33
1	CABLE ASSEMBLY	J32001-4
1	STORAGE BOX	

J32001-64		
QUANTITY	NOMENCLATURE	PART NUMBER
1	TOOL ASSEMBLY	J32001-51
1	TEST BOX ASSEMBLY	J32001-50
1	STORAGE BOX	

**WEIGHT:** 10 lbs (4.5 kg)

**DIMENSIONS:** 7 x 11 x 22 inches (178 x 279 x 559 mm)



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**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

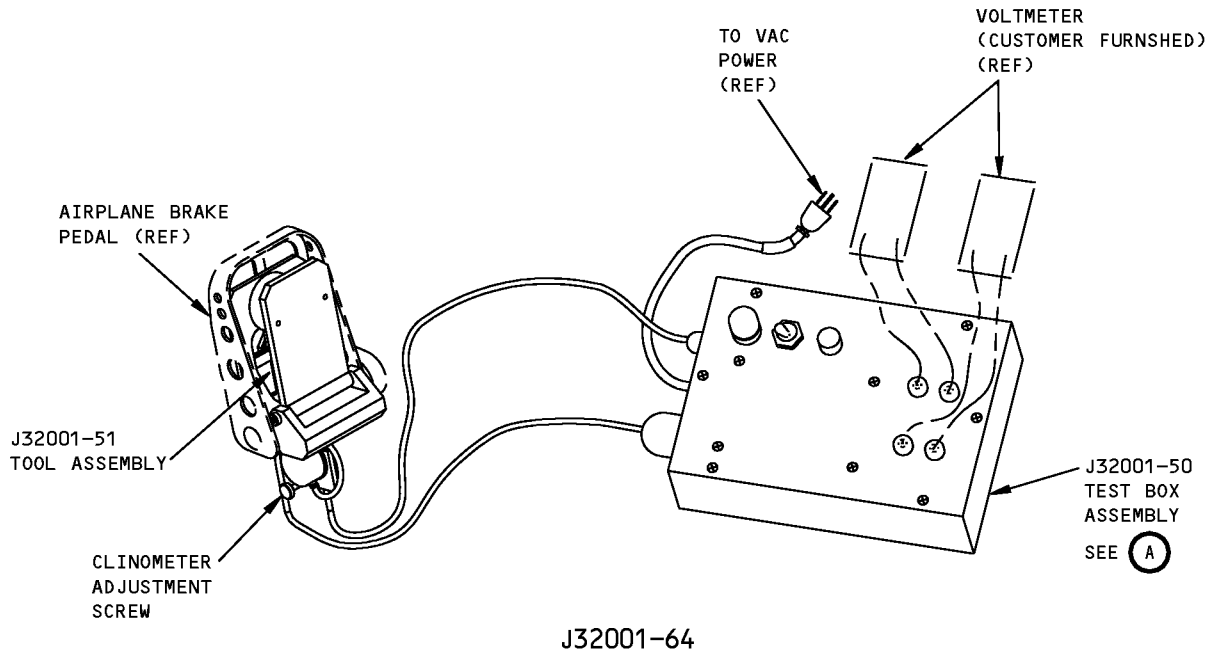
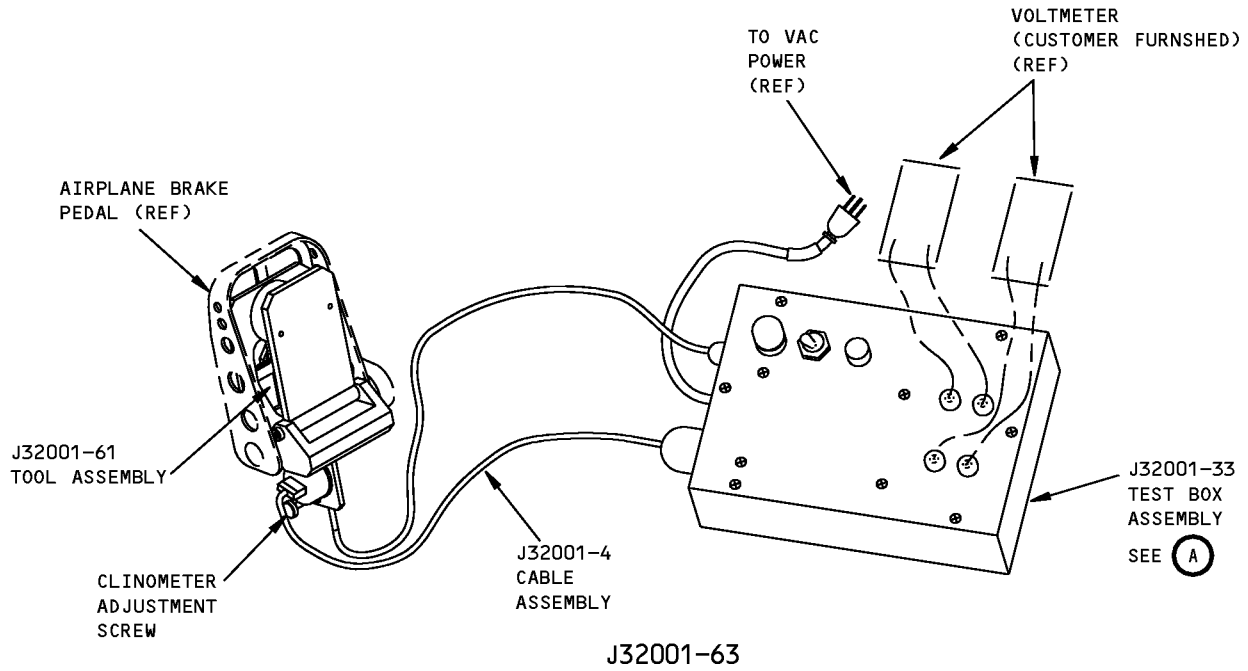
**NOTE:**

J32001-63 supersedes J32001-43.

J32001-64 supersedes J32001-46.

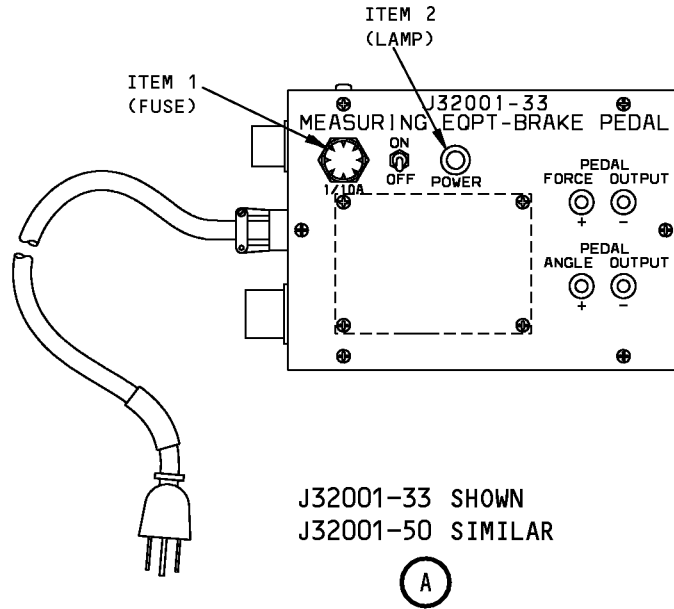
J32001-64 replaces J32001-63 for future procurement.

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Brake Pedal Measuring Equipment**  
**Figure 1 (Sheet 1 of 2)**

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**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



1  
2

**Brake Pedal Measuring Equipment**  
**Figure 1 (Sheet 2 of 2)**



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ILLUSTRATED TOOL AND EQUIPMENT MANUAL

REPAIRABLE/REPLACEABLE PARTS			
ITEM NO.	PART NO.	NOMENCLATURE	VENDOR CODE
1	313.100	FUSE	V75915
2	507-4538-0931-610	LAMP	V83330



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: F72977-62**

**NAME:** GAGE EQUIPMENT - HYDRAULIC BRAKE SYSTEM PRESSURE CHECKING

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The F72977-62 gage equipment is used on all 757 airplanes. Two F72977-62 gage equipment are required for use on 757 airplanes. The F72977-62 gage equipment is used to check brake pressure after opening a brake line for any reason or replacing a component of the main or nose landing gear braking system. The gage equipment includes four pressure gages. The pressure gages are four-inches in diameter, 0 to 5000 psi, with 50 psi graduation intervals. The gages are connected to hoses with hydraulic adapters that are placed downstream of each of the airplane's brake de-boost valves. Refer to AMM 32-41-00 and the current F72977 drawing for complete usage instructions.

The F72977 consists of:

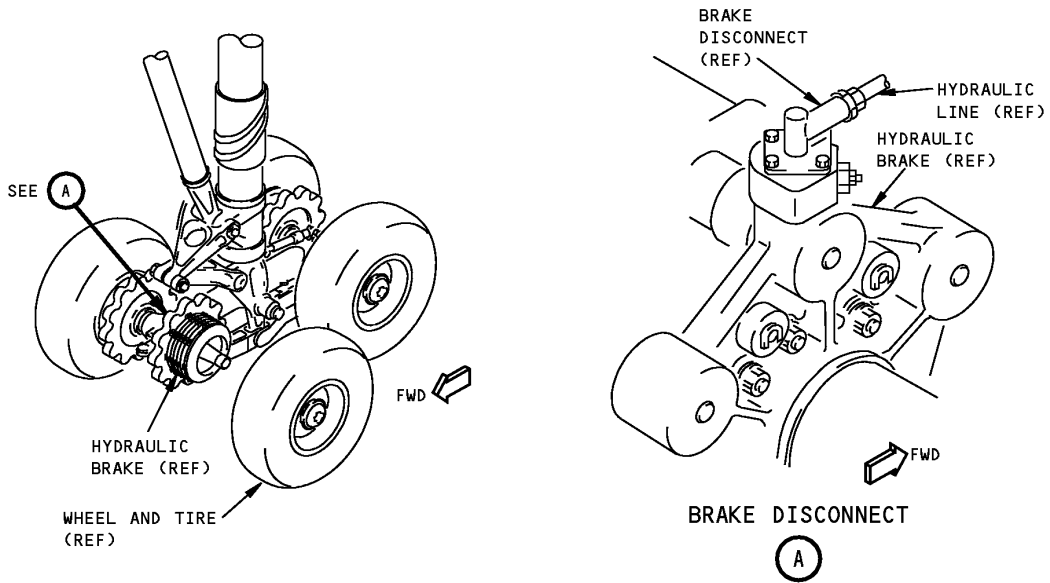
<b>F72977-62</b>		
<b>QUANTITY</b>	<b>NOMENCLATURE</b>	<b>PART NUMBER</b>
4	HOSE ASSEMBLY	F72977-56
1	BOX ASSEMBLY	F72977-63
4	ADAPTER ASSEMBLY	F72977-64

**WEIGHT:** 20 lbs (9 kg)

**DIMENSIONS:** 12 x 14 x 14 inches (305 x 356 x 356 mm)

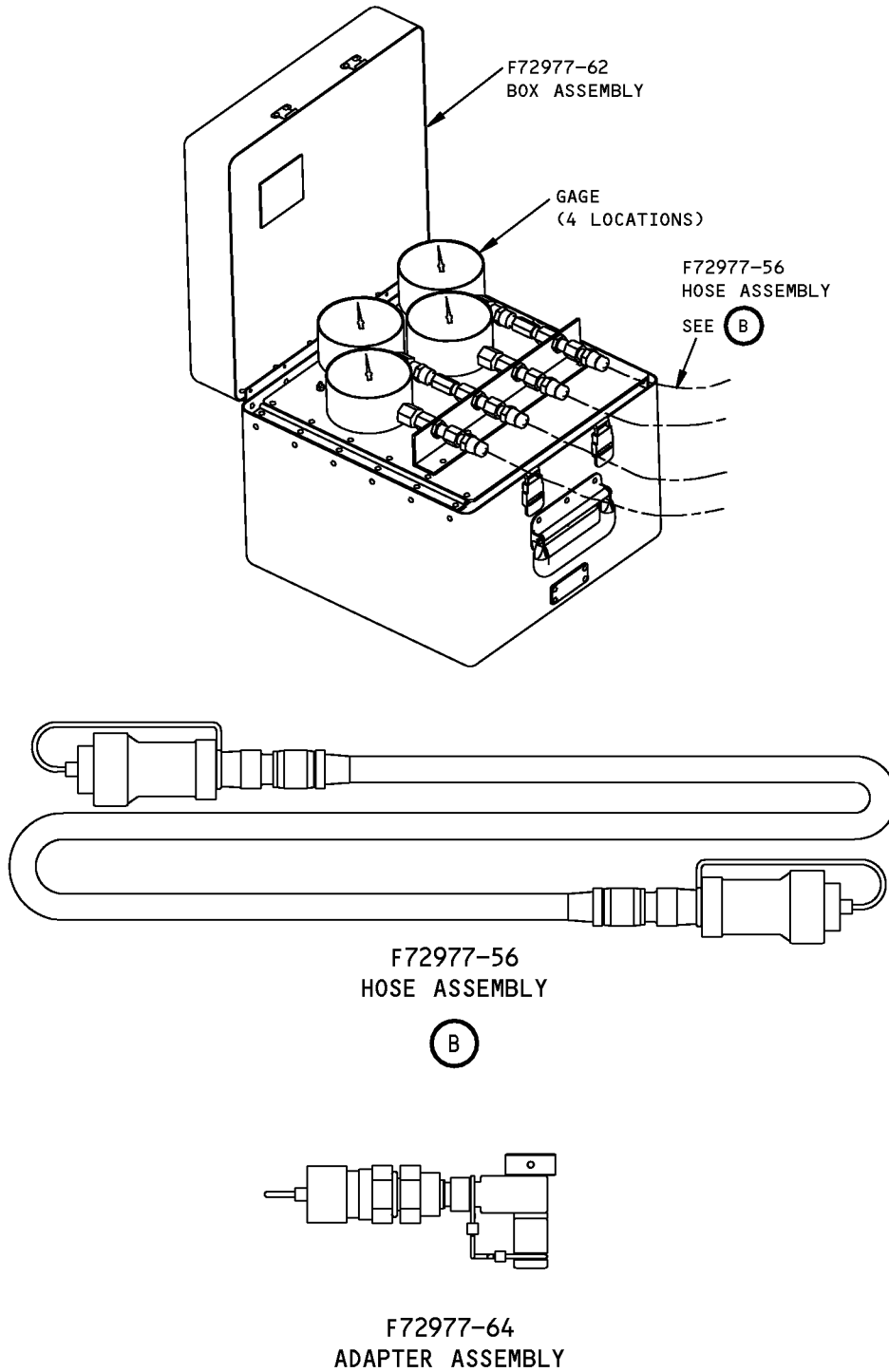


**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Hydraulic Brake System Pressure Checking Gage Equipment  
Figure 1 (Sheet 1 of 2)**

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**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Hydraulic Brake System Pressure Checking Gage Equipment**  
**Figure 1 (Sheet 2 of 2)**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: B32032-1**

**NAME:** TEST EQUIPMENT - NOSE WHEEL STEERING DRUM MECHANISM

**AIRPLANE MAINTENANCE:** NO

**COMPONENT MAINTENANCE:** YES

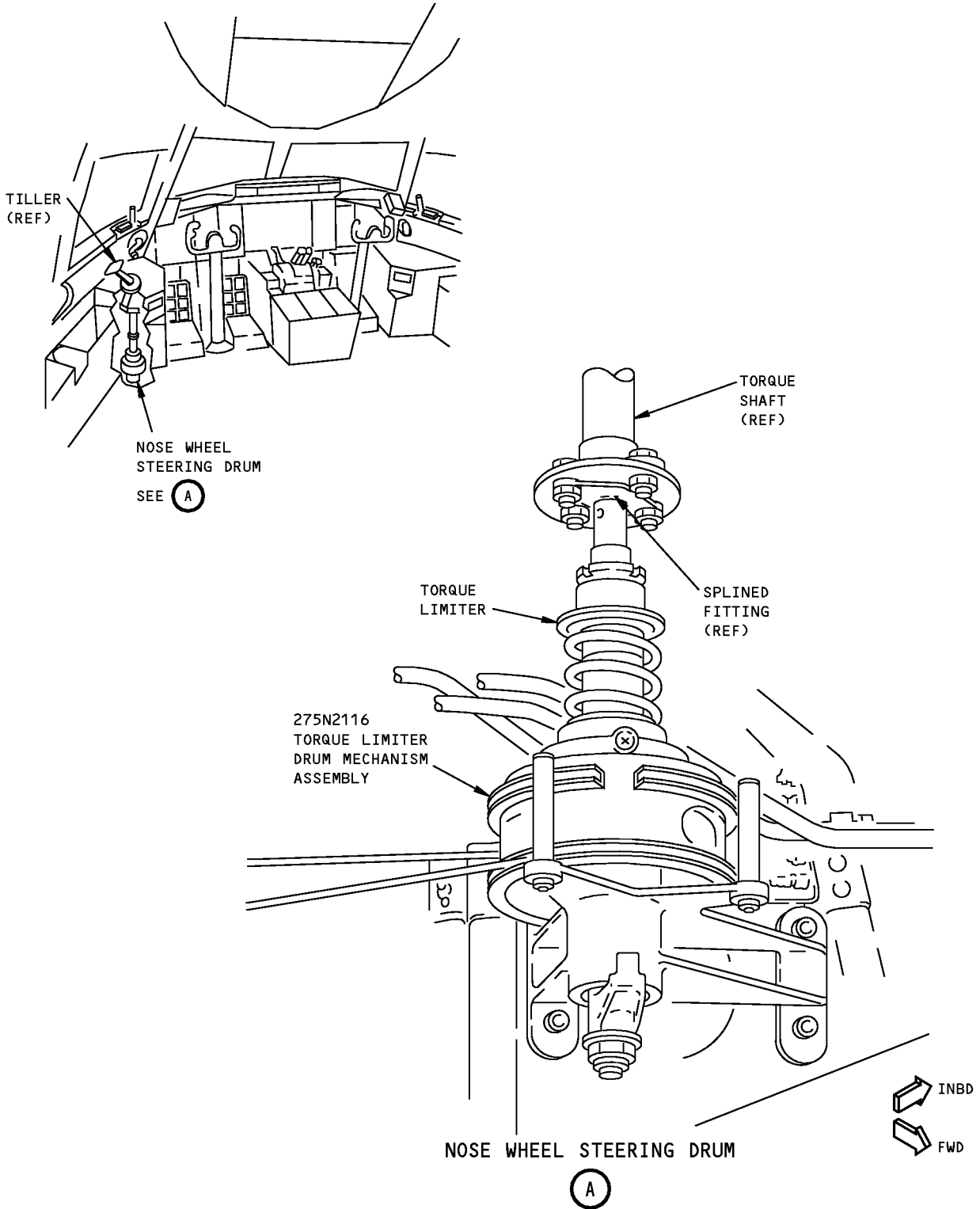
**USAGE & DESCRIPTION:** The B32032-1 test equipment is used during component maintenance on all 757 airplanes. B32032 is used with a customer-furnished torque wrench and 5/8 inch hex socket to measure the required torque to move the cam follower from the detent position on the 275N2116 torque limiter drum mechanism assembly. Refer to the current B32032 drawing and CMM 32-51-08 for complete usage instructions. B32032-1 consists of:

<b>B32032-1</b>		
<b>QUANTITY</b>	<b>NOMENCLATURE</b>	<b>PART NUMBER</b>
1	BASE	B32032-2
1	SPLINE ADAPTER	B32032-3
4	BOLT	AN3-5A
4	WASHER	AN960-10
1	STORAGE BOX	

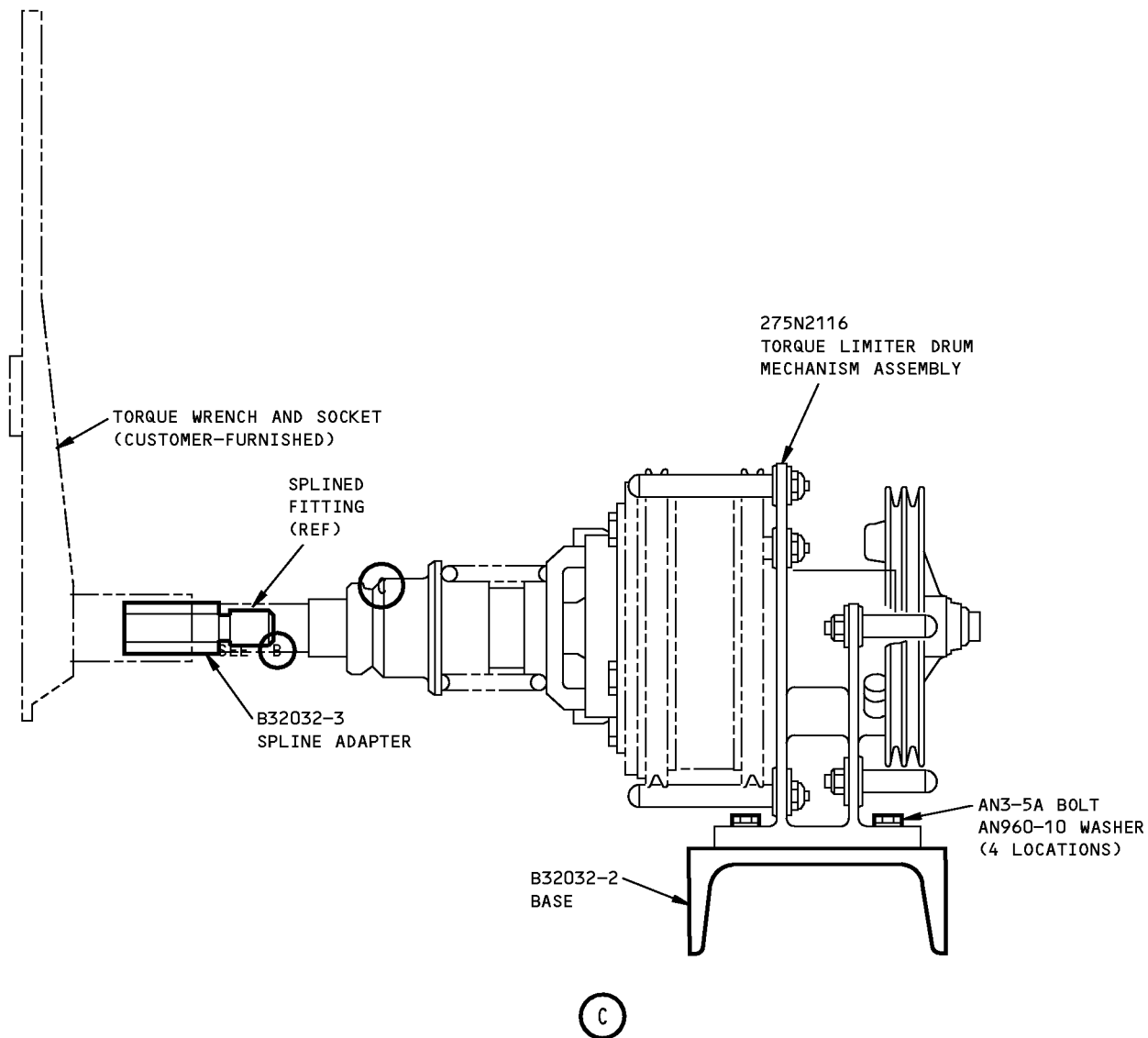
**WEIGHT:** 7 lbs (3.2 kg)

**DIMENSIONS:** 6 x 10 x 16 inches (152 x 254 x 406 mm)

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Nose Wheel Steering Drum Mechanism Test Equipment**  
**Figure 1 (Sheet 1 of 2)**



Nose Wheel Steering Drum Mechanism Test Equipment  
Figure 1 (Sheet 2 of 2)



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER:** B32040-1, -35, -36, -37

**NAME:** BUILD-UP EQUIPMENT - ACTUATOR, NOSE GEAR STEERING

**AIRPLANE MAINTENANCE:** NO

**COMPONENT MAINTENANCE:** YES

**USAGE & DESCRIPTION:** The B32040-37 build-up equipment is used during component maintenance on all 757 airplanes. The B32040-35 actuator assembly wrench set is used during component maintenance on 757 airplanes equipped with 275N1211 nose gear steering actuator assemblies. The B32040-36 actuator assembly wrench set is used during component maintenance on 757 airplanes equipped with 275N1230 nose gear steering actuator assemblies. The B32040-1 wrench set has been replaced by either B32040-35 or -36.

B32040 build-up equipment is used to hold the nose gear steering actuator during build-up and testing. Refer to CMM 32-51-16 for complete usage instructions for 275N1211 nose gear steering actuator assemblies (using B32040-35 and -37). Refer to CMM 32-51-15 for complete usage instructions for 275N1230 nose gear steering actuator assemblies (using B32040-36 and -37).

The B32040-35 and -36 wrench set contains wrench components from other tool drawings. B32040-35, -36 and -37 consist of:

B32040-35		
QUANTITY	NOMENCLATURE	PART NUMBER
1	WRENCH	A32045-37
1	WRENCH	F70312-27
1	ADAPTER	B32040-9
1	STORAGE BOX	

B32040-36		
QUANTITY	NOMENCLATURE	PART NUMBER
1	WRENCH	A32045-54
1	WRENCH	A32045-64
1	ADAPTER	B32040-32
1	STORAGE BOX	

B32040-37		
QUANTITY	NOMENCLATURE	PART NUMBER
1	HOLDING FIXTURE	A32045-43



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**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

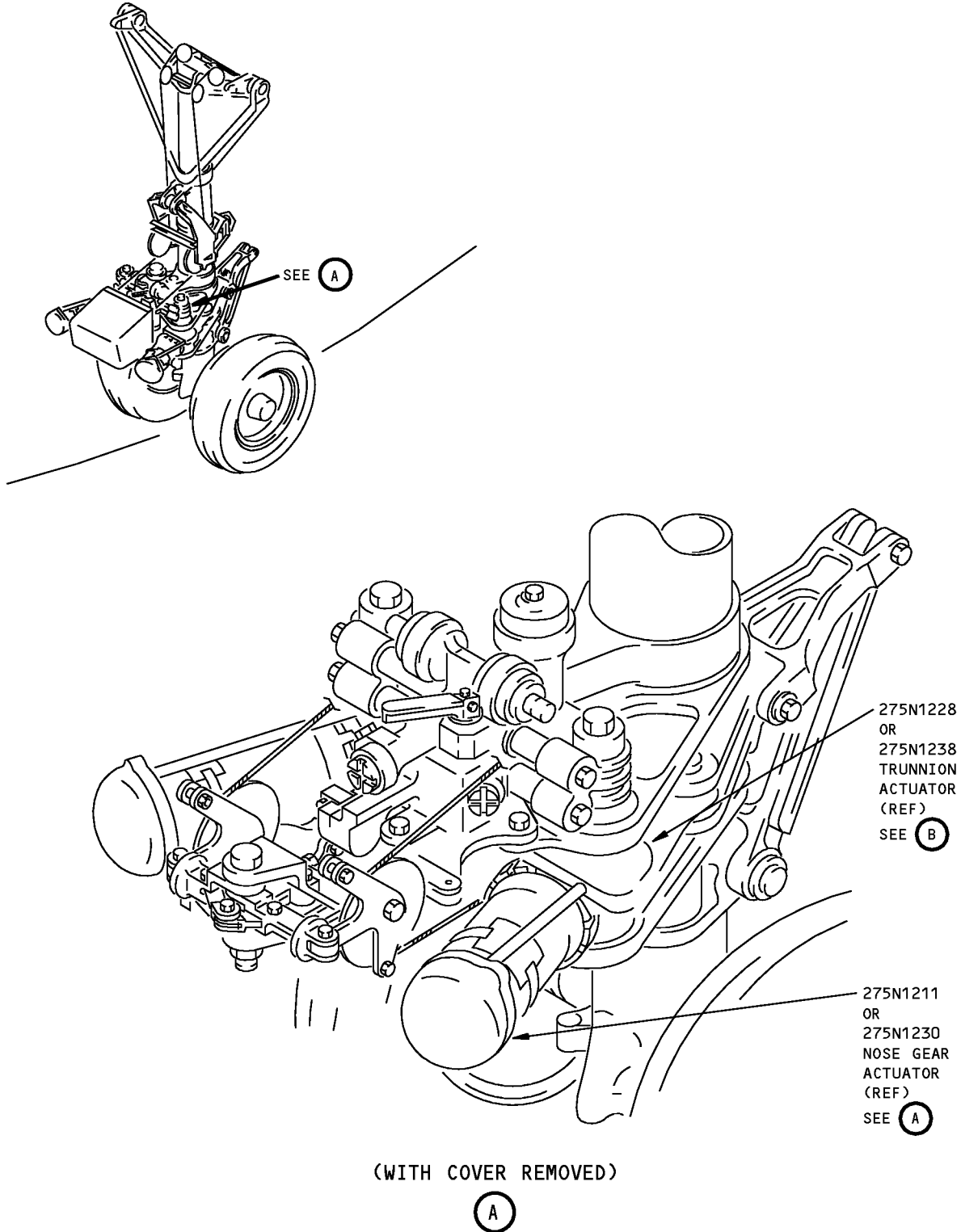
<b>B32040-37</b>		
<b>QUANTITY</b>	<b>NOMENCLATURE</b>	<b>PART NUMBER</b>
1	MOUNT ASSEMBLY	A32045-14
1	HEADER VALVE ASSEMBLY	A32045-22
1	ADAPTER ASSEMBLY	A32045-41
2	SCREW	MS24694-S96
1	STORAGE BOX	

**WEIGHT:** B32040-35 or -36 - 3 lbs (1.4 kg)  
B32040-37 - 49 lbs (22 kg)

**DIMENSIONS:** B32040-35 or -36 - 2 x 8 x 16 inches (51 x 203 x 406 mm)  
B32040-37 - 7 x 18 x 25 inches (178 x 457 x 635 mm)

**NOTE:** B32040-35 or -37 replace B32040-1.

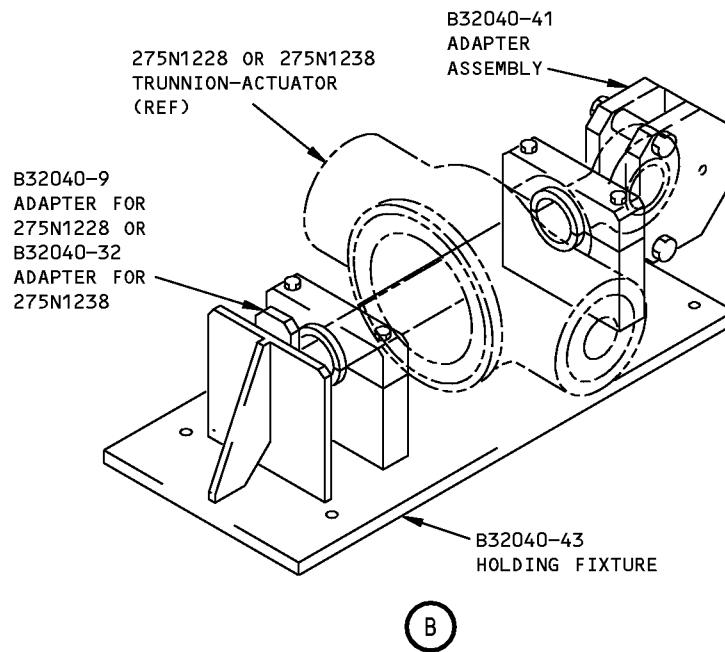
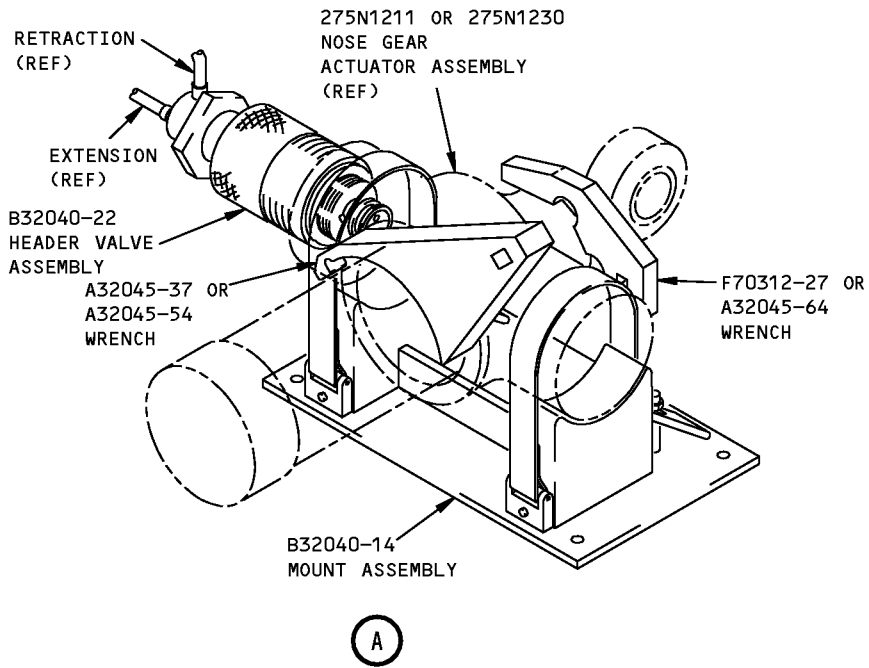
**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Nose Gear Steering Actuator Build-Up Equipment  
Figure 1 (Sheet 1 of 2)**



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**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Nose Gear Steering Actuator Build-Up Equipment**  
**Figure 1 (Sheet 2 of 2)**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

PART NUMBER: B32061-1

**NAME:** SPRING COMPRESSION EQUIPMENT - NOSE WHEEL STEERING CONTROL

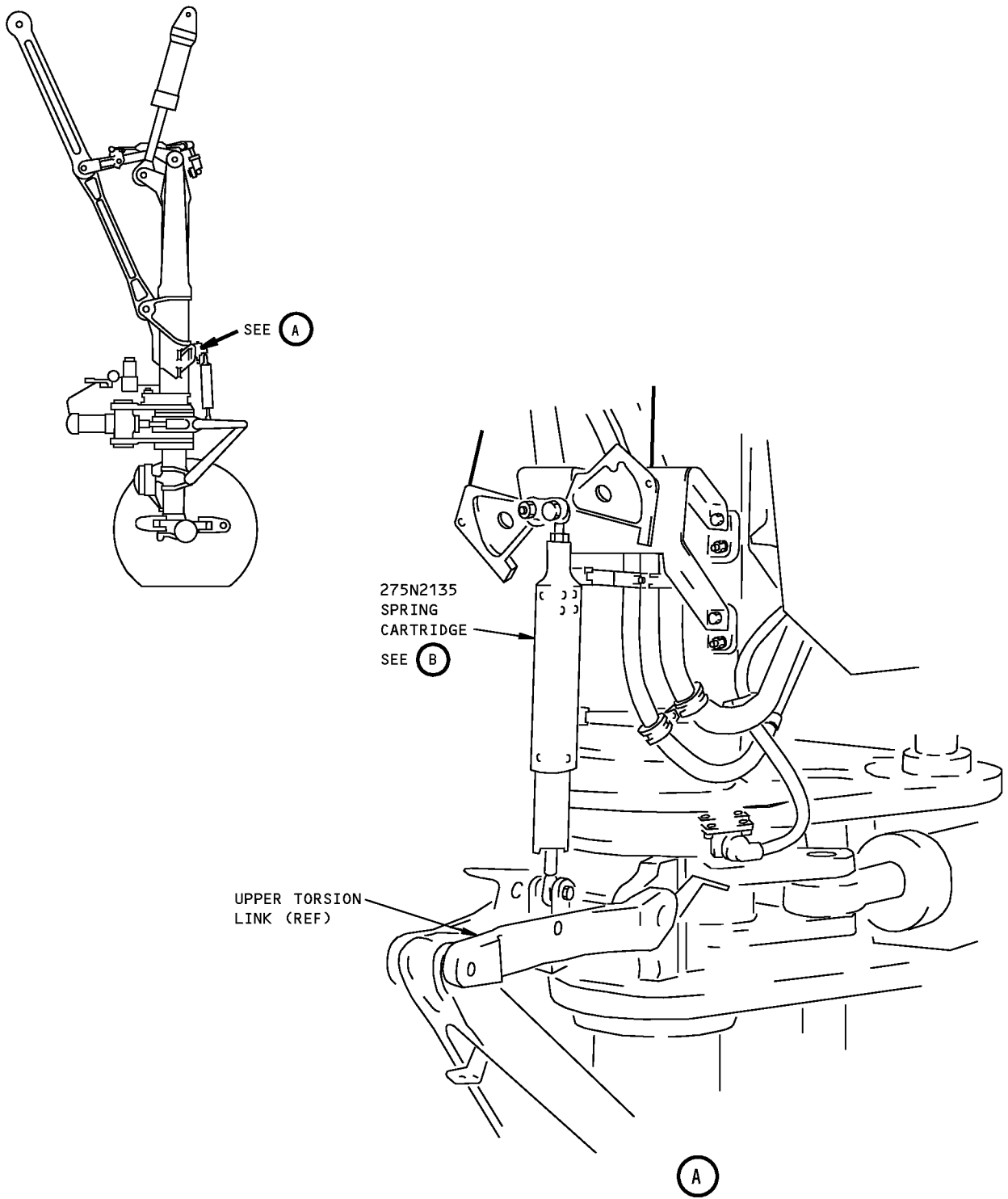
**AIRPLANE MAINTENANCE:** NO

**COMPONENT MAINTENANCE:** YES

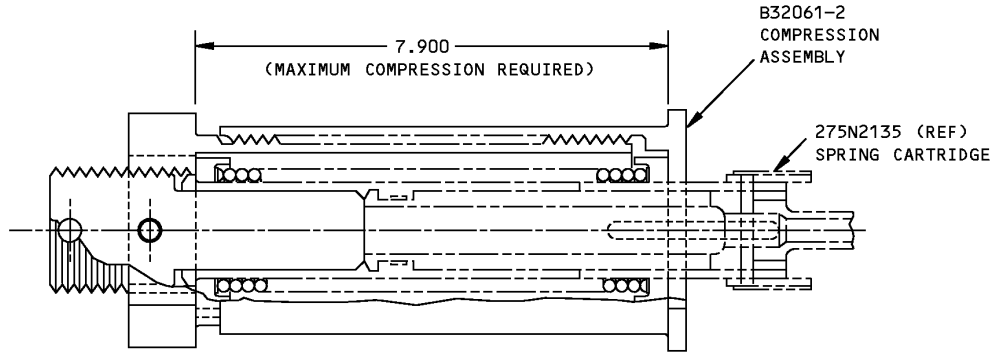
**USAGE & DESCRIPTION:** B32061-1 is used during component maintenance on all 757 airplanes. B32061 is used for compressing the spring of the nose wheel steering control. Refer to CMM 32-51-07 for complete usage instructions. B32061-1 consists of a B32061-2 compression assembly is contained in a storage box.

**WEIGHT:** 28 lbs (13 kg)

**DIMENSIONS:** 6 x 6 x 12 inches (152 x 152 x 305 mm)



**Nose Wheel Steering Control Spring Compression Equipment  
Figure 1 (Sheet 1 of 2)**



(B)

**Nose Wheel Steering Control Spring Compression Equipment  
Figure 1 (Sheet 2 of 2)**



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**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

**PART NUMBER: B32067-1**

**NAME:** WRENCH ADAPTER - NOSE WHEEL STEERING TILLER HANDLE

**AIRPLANE MAINTENANCE:** YES

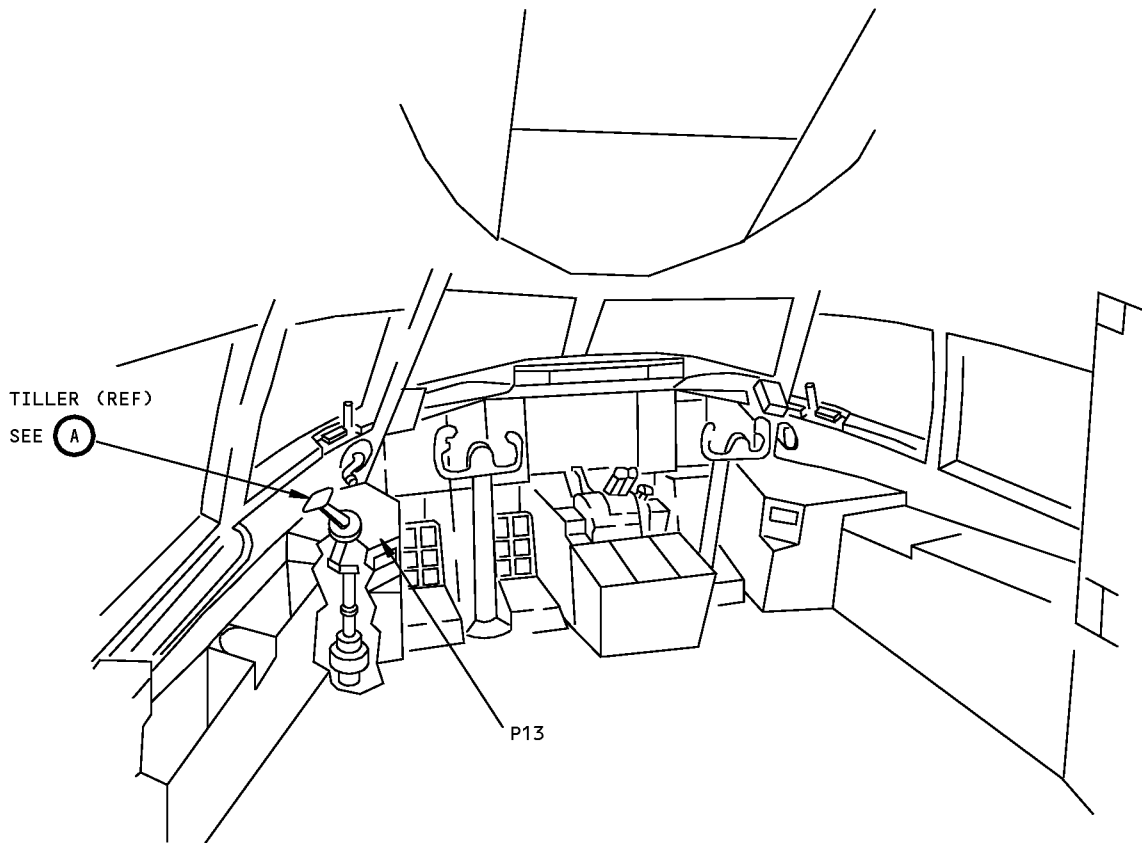
**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The B32067-1 wrench adapter is used on all 757 airplanes. B32067 is used with a customer-furnished torque wrench to measure the steering tiller handle torsional resistance. Refer to AMM 32-51-00 for complete usage instructions. B32067-1 consists of a B32067-2 adapter assembly contained in a storage box.

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

**DIMENSIONS:** 2 x 2 x 6 inches (51 x 51 x 305 mm)

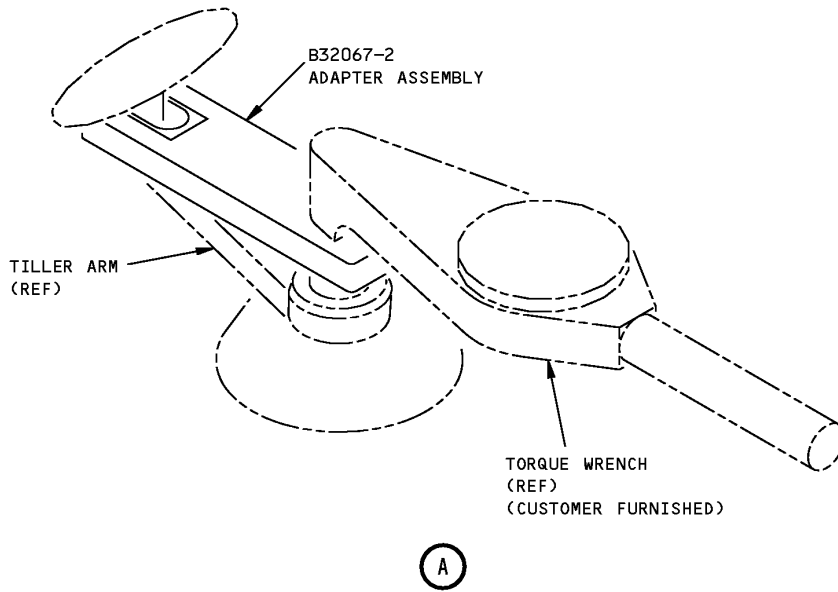
**757**  
**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**FLIGHT COMPARTMENT**

**B32067-1 wrench adapter Locator**  
**Figure 1 (Sheet 1 of 2)**

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**B32067-1 wrench adapter Locator  
Figure 1 (Sheet 2 of 2)**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: A32102-1, -25**

**NAME:** ACTUATOR SET - PROXIMITY SENSOR

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The A32102-1 or -25 (preferred) actuator set is used on all 757 airplanes. A32102 is used to actuate proximity sensors during sensor testing procedures. Refer to AMM 32-09-07, AMM 32-09-08 and AMM 32-61-02 for complete usage instructions. A32102-1 and -25 consists of:

A32102-1		
QUANTITY	NOMENCLATURE	PART NUMBER
1	ACTUATOR ASSEMBLY	A32102-2
1	ACTUATOR ASSEMBLY	A32102-3
1	STORAGE BOX	

A32102-25		
QUANTITY	NOMENCLATURE	PART NUMBER
1	ACTUATOR ASSEMBLY	A32102-2
1	ACTUATOR ASSEMBLY	A32102-3
1	ACTUATOR ASSEMBLY	A3210 -14
1	ACTUATOR ASSEMBLY	A32102-26
1	STORAGE BOX	

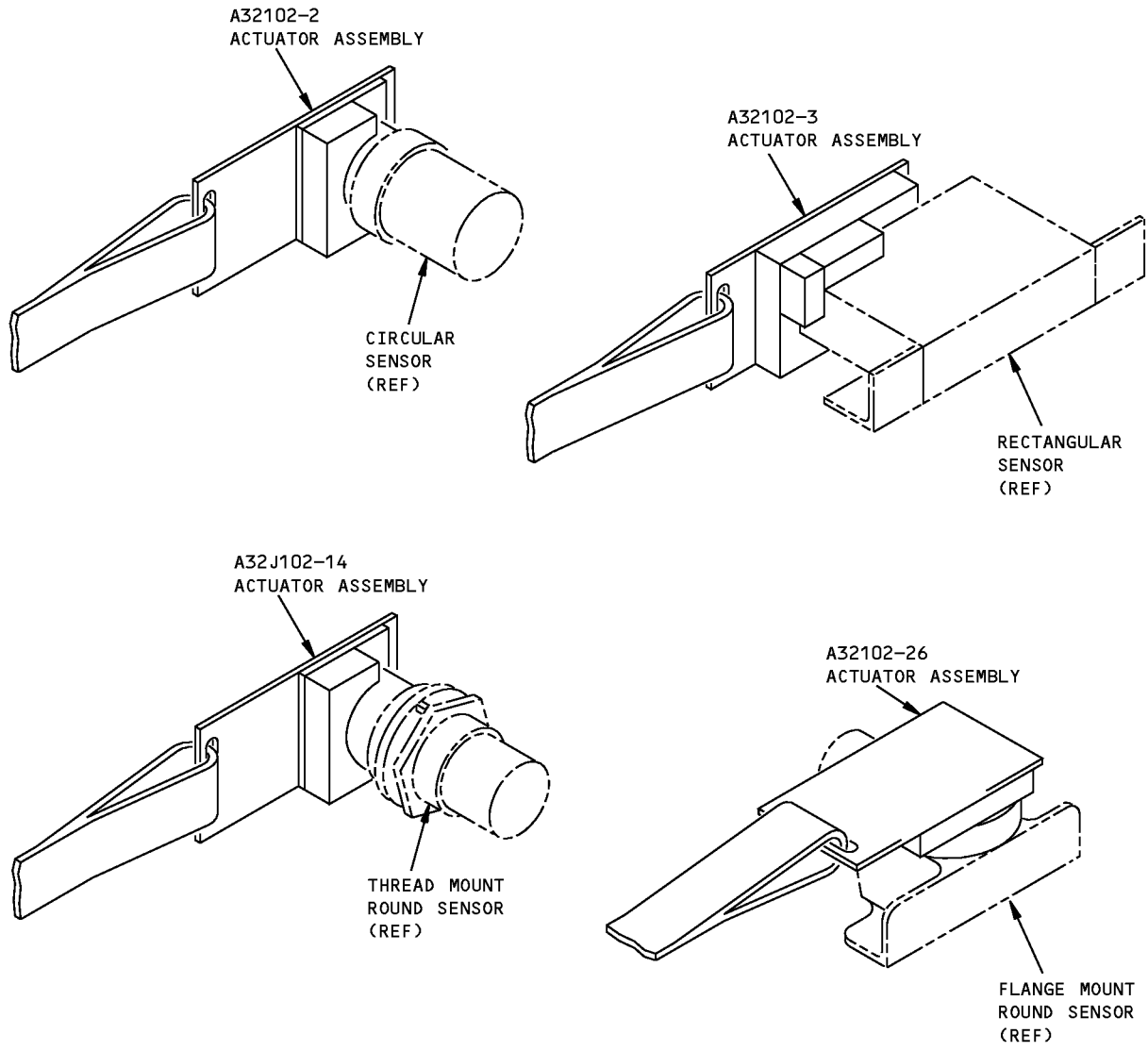
**WEIGHT:** 1 lb (0.45 kg)

**DIMENSIONS:** A32102-1 - 2 x 6 x 7 inches (51 x 152 x 178 mm)  
A32102-25 - 2 x 6 x 12 inches (51 x 152 x 305 mm)

**NOTE:** A27092 replaces A32102 for future procurement.  
A32102-25 supersedes A32102-13.  
A32102-25 replaces A32102-1 for future procurement.



**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



**Proximity Sensor Actuator Set  
Figure 1**



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## ILLUSTRATED TOOL AND EQUIPMENT MANUAL

**PART NUMBER: TE65B40719**

**NAME:** BREAKOUT BOX - GROUND SAFETY RELAY

**AIRPLANE MAINTENANCE:** YES

**COMPONENT MAINTENANCE:** NO

**USAGE & DESCRIPTION:** The TE65B40719 breakout box is used on all 757 airplanes. TE65B40719 is used for continuity and voltage checks of air/ground relays in the following panels: P33 miscellaneous electrical equipment panel, P36 left miscellaneous electrical equipment panel and the P37 right miscellaneous electrical equipment panel.

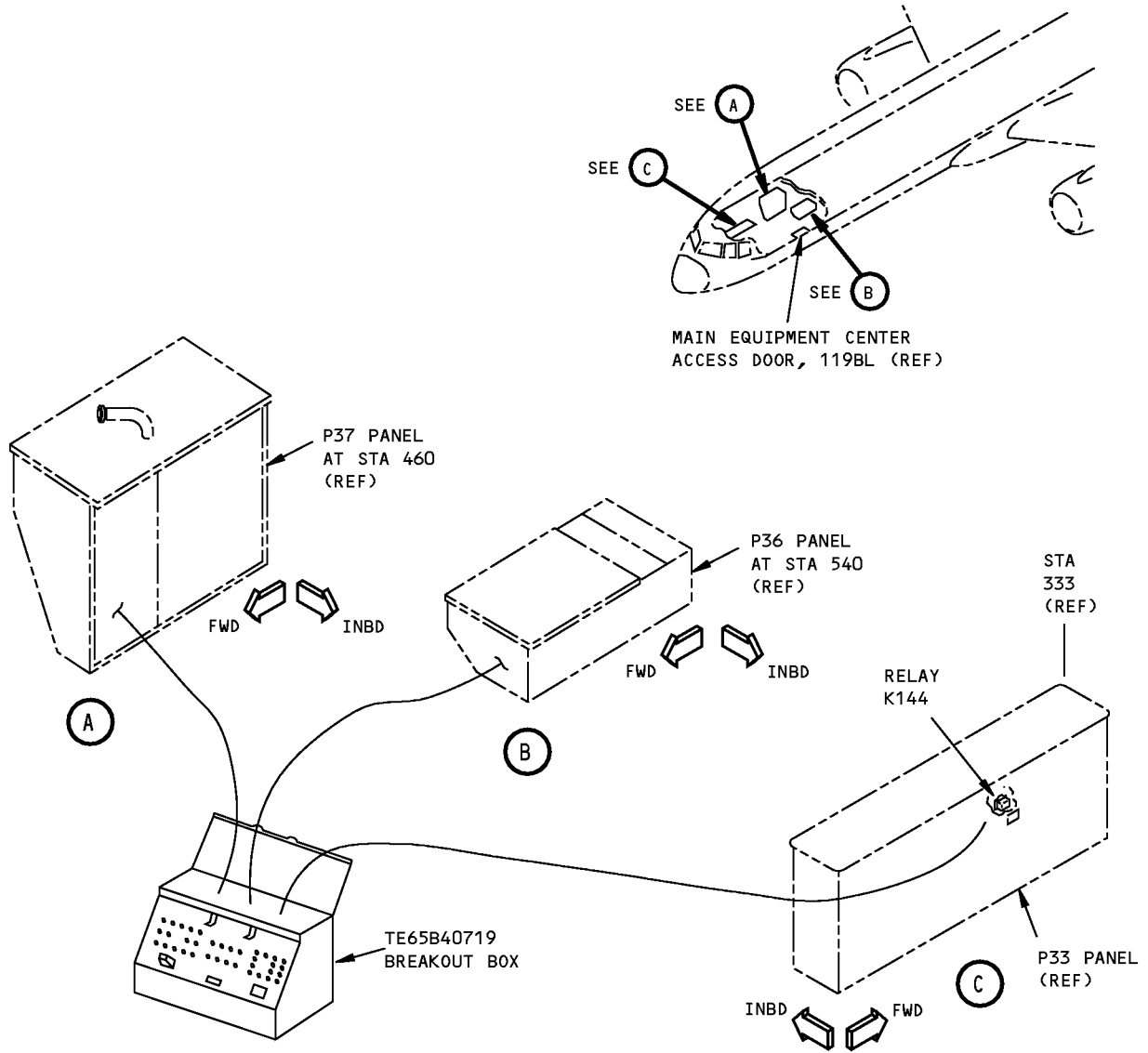
TE65B40719 is used to check the circuitry of the ground safety relays. Any one of the airplanes ground safety relays can be removed and installed in this breakout box and then the appropriate cable from the box can be installed in place of the removed relay. The relay will function remotely and each circuit can be probed via the pin jacks on the box's front panel. The A32074-1 breakout box is optional to TE65B40719. Refer to AMM 32-09-02 for complete usage instructions.

TE65B40719 consists of banana jacks, relay sockets, terminal blocks and electrical circuitry mounted on a panel and chassis assembly.

**WEIGHT:** 12 lbs (5.4 kg)

**DIMENSIONS:** 10 x 11 x 18 inches (254 x 279 x 457 mm)

**NOTE:** TE65B40719 is optional to A32074.



**Ground Safety Relay Breakout Box  
Figure 1**

**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**

**PART NUMBER: B32069-8**

**NAME:** LOCKOUT PIN - FORWARD AND AFT LOCK LINK, RETRACTABLE TAIL SKID

**AIRPLANE MAINTENANCE:** YES

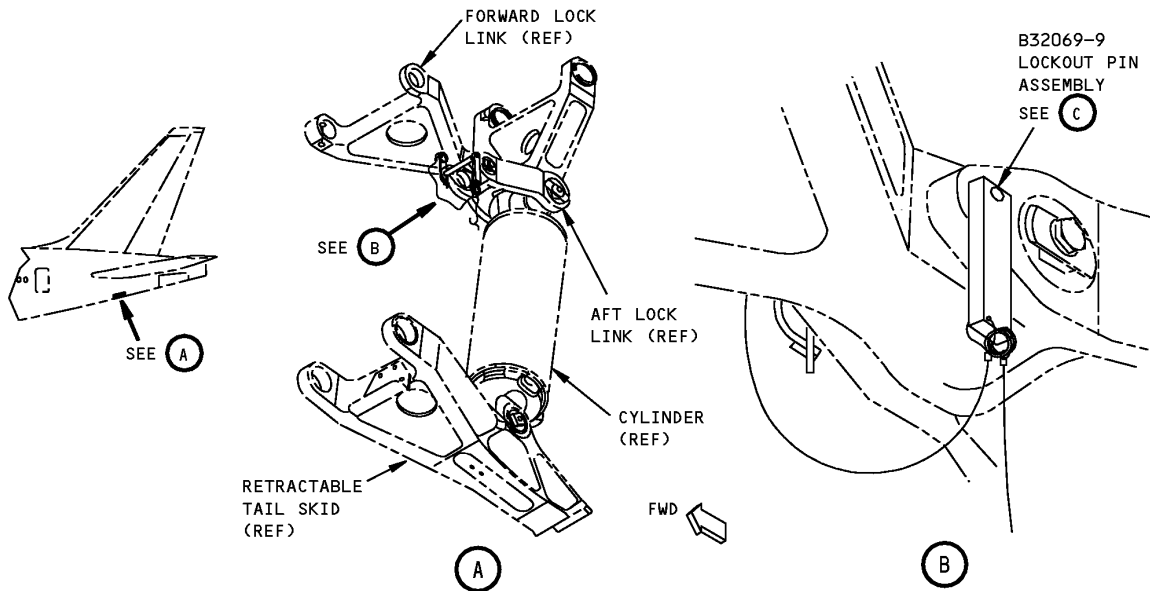
**COMPONENT MAINTENANCE:** YES

**USAGE & DESCRIPTION:** The B32069-1 lockout pin is used on 757-300 airplanes. B32069 is used to restrain the movement of the forward and aft lock link on the retractable tail skid. Refer to AMM 32-00-20, AMM 32-61-04, AMM 32-71-00, AMM 32-71-01, AMM 32-71-02, AMM 32-71-04, AMM 32-71-05 and CMM 32-71-11 for complete usage instructions. B32069-8 consists of a -9 lockout pin assembly contained in a storage box.

**WEIGHT:** 3 lbs (1.4 kg)

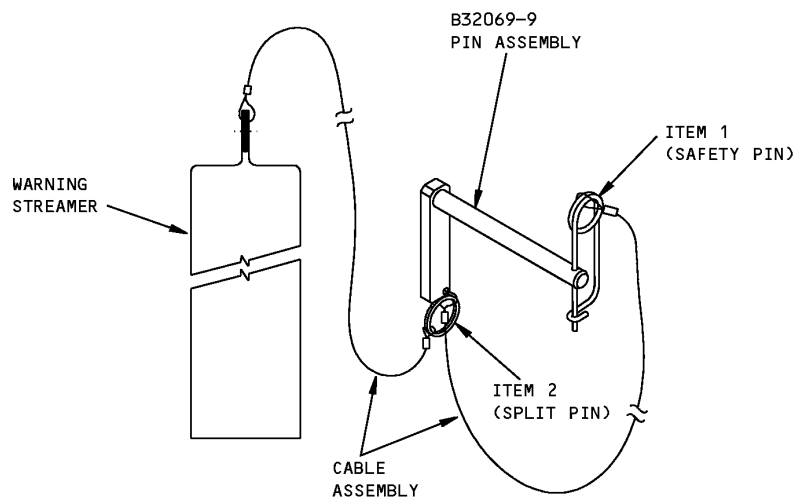
**DIMENSIONS:** 3 x 4 x 8 inches (76 x 102 x 203 mm)

**NOTE:** B32069-8 supersedes B32069-1.



**Retractable Tail Skid Forward And Aft Lock Link Lockout Pin  
Figure 1 (Sheet 1 of 2)**

**757**  
**ILLUSTRATED TOOL AND EQUIPMENT MANUAL**



LOCKOUT PIN ASSEMBLY

C

**Retractable Tail Skid Forward And Aft Lock Link Lockout Pin**  
**Figure 1 (Sheet 2 of 2)**

REPAIRABLE/REPLACEABLE PARTS			
ITEM NO.	PART NO.	NOMENCLATURE	VENDOR CODE
1	25-05	SAFETY PIN	V7V765
2	25-07	SPLIT RING	V7V765