

Chapter 7 – Lifting and Shoring

The owner of the sling or lifting device is responsible for ensuring the sling or lifting device is maintained and used in accordance with all local regulations. Viking slings and lifting devices are designed to be used in accordance with the ASME B30.20 standard. Refer to the applicable Aircraft Maintenance Manual for each sling and lifting device usage instructions.

Note Slings and Lifting devices are not to be modified without permission from Viking.

1. Conditions for Storage of Slings and Lifting Devices

- A. When not in use, slings must be stored in a dry location away from weather, dirt and moisture.
- B. Do not store while supporting a load.
- C. Do not store in a manner that would allow mechanical damage such as kinking of cables.
- D. Avoid storage in environments with exposure to chemicals.
- E. Avoid storage below -40°C or above 100°C .

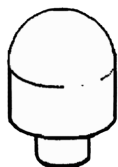
2. Inspection of Slings and Lifting Devices

- A. Before each use, the sling or lifting device must be visually inspected by the operator or designated person. The inspection checklist provided in Table 1 — Recommended Sling/Lifting Device Inspections may be used.
- B. Annually, the sling or lifting device must be visually inspected by a designated person. Records of condition must be kept to provide a basis for continual evaluation. The inspection checklist provided in Table 1 — Recommended Sling/Lifting Device Inspections may be used for record keeping purposes.

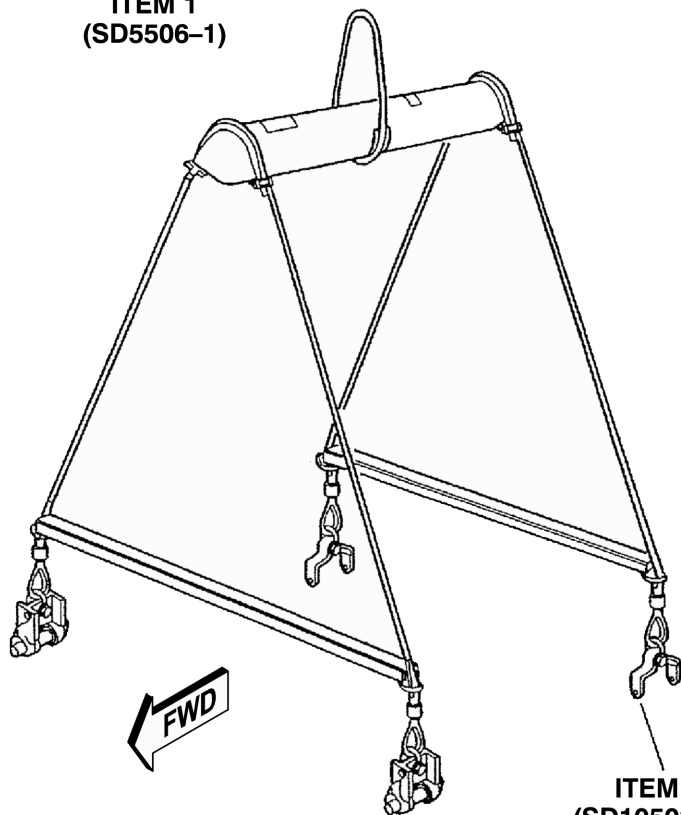
Table 1 Recommended Sling/Lifting Device Inspections

Sling/Lifting Device Part Number:					
Sling/Lifting Device Serial Number:					
Inspection Date:			Inspector Name:		
Inspection Item	Inspection Criteria	Yes	No	Not Applicable	Comments
Chains, Shackles & Master Link	Cracks, breaks, or gouges				
	Excessive wear				
	Pitting or corrosion				
	Bent, twisted or deformed links				
	Other mechanical damage				
	Discolouration or other evidence of heat damage				
Fasteners	Pitting or corrosion				
	Loose fasteners				
	Other mechanical damage				
	Discolouration or other evidence of heat damage				
Structure	Pitting or corrosion				
	Structural deformation				
	Missing, worn or obscured markings				
	Missing data plate				
	Other mechanical damage				
	Discolouration or other evidence of heat damage				
Cables	Fraying, breaks, or gouges				
	Excessive wear				
	Pitting or corrosion				
	Other mechanical damage				
	Discolouration or other evidence of heat damage				

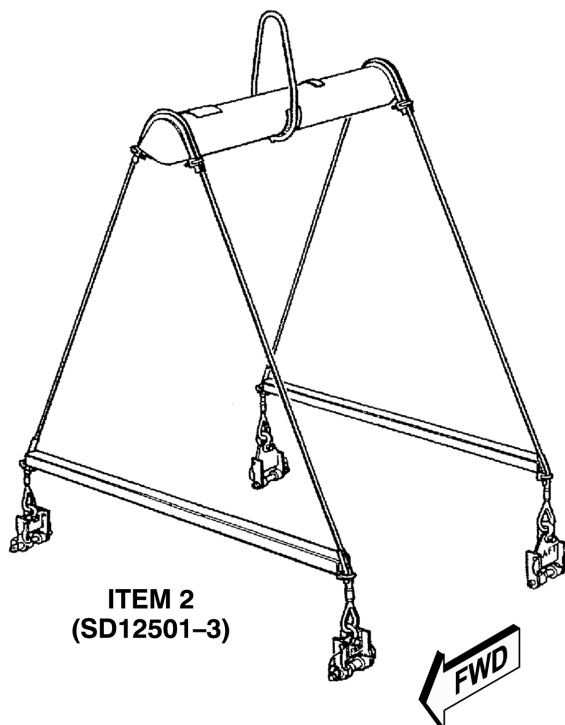
ITEM NO.	DESCRIPTION	FUNCTION	IDENTIFICATION
1	Adapter	Locates tripod jack on underside of aircraft	SD5506-1
2	Aircraft sling	Used to hoist complete aircraft (Pre Mod 6/1752 and 6/1881)	SD12501-3
2A	Aircraft sling refer to Figure 1, Sheet 1	Used to hoist complete aircraft (Post Mod 6/1752 and 6/1881)	SD12501-5
2B	Conversion Kit refer to Figure 1, Sheet 1	Used to convert sling SD12501-3 into sling SD12501-5	SD10503-201
2C	Aircraft Lifting Device refer to Figure 1, Sheet 1	Used to hoist complete aircraft	SD12871-1 (Alternate to item 2)
3	Jacking beam	Used to jack nose section of aircraft when changing skis	SD12538-1
4	Jury strut (standard landing gear)	Used to support rear fuselage	C6GT1012-1 (SD12539-1)
5	Jury strut (intermediate flotation gear)	Used to support rear fuselage	C6GT1012-3 (SD12539-3)
6	Tripod jack and extension	Used to jack aircraft at main wheel and nose jacking positions; height range 14 1/2 to 51 inches; capacity 3 tons	SD12545-1
7	Support jack	Used to support rear fuselage during heavy maintenance; height range 52 7/8 to 88 1/4 inches	SD12564-1
8	Adapter jacking (A-K)	Used with item 6 at main wheel positions	SD12534-1



ITEM 1
(SD5506-1)

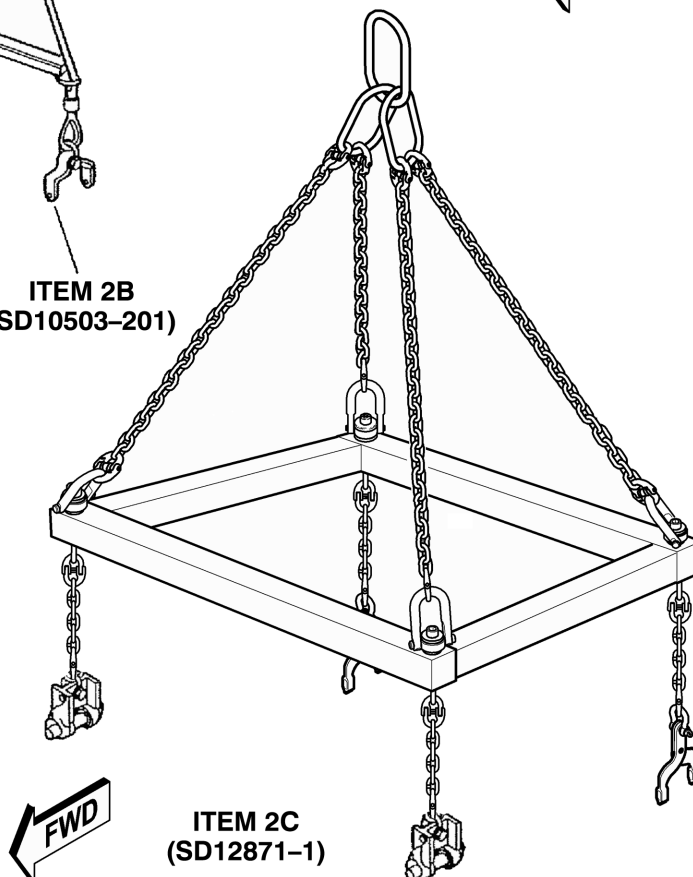


ITEM 2A
(SD12501-5)



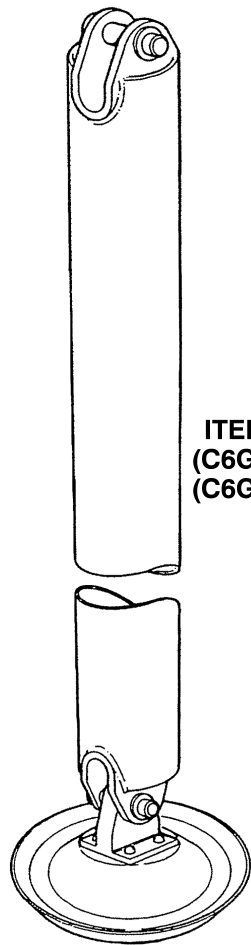
ITEM 2
(SD12501-3)

ITEM 2B
(SD10503-201)

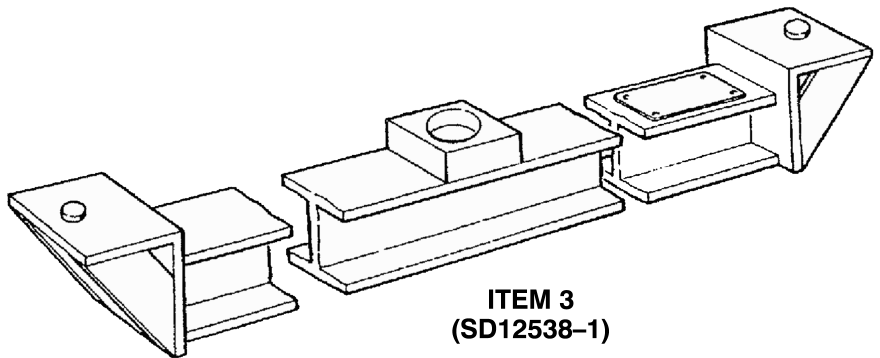


ITEM 2C
(SD12871-1)

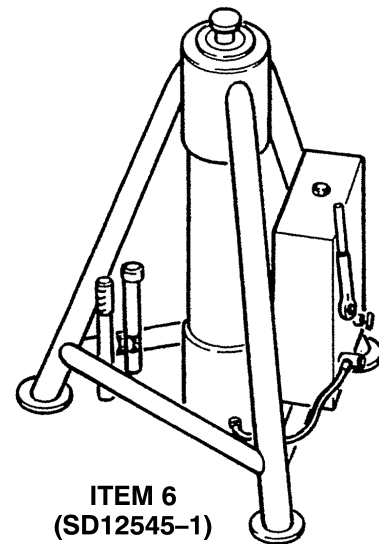
Ground Support Equipment – Lifting and Shoring
Figure 1 (Sheet 1 of 2)



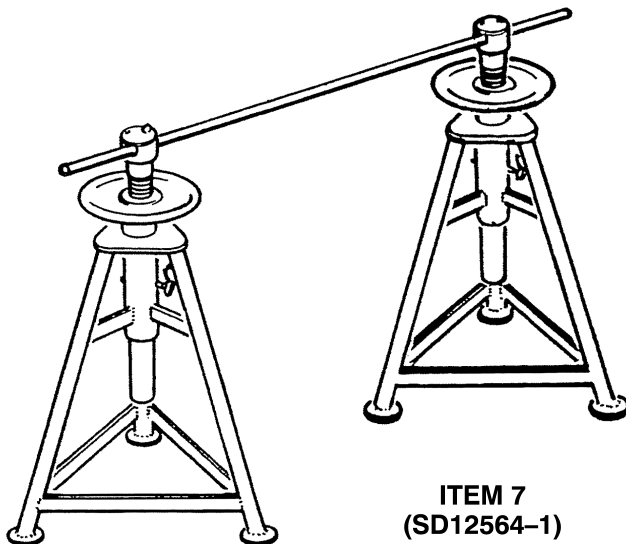
ITEMS 4 & 5
(C6GT1012-1)
(C6GT1012-3)



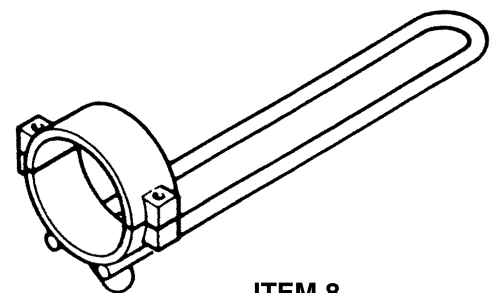
ITEM 3
(SD12538-1)



ITEM 6
(SD12545-1)



ITEM 7
(SD12564-1)



ITEM 8
(SD12534-1)

Ground Support Equipment – Lifting and Shoring
Figure 1 (Sheet 2 of 2)