

CHAPTER 7 — LIFTING AND JACKING

CONTENTS — MAINTENANCE PROCEDURES

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LIFTING AND JACKING

7-1. LIFTING HELICOPTER.

7-2. LIFTING COMPLETE HELICOPTER (MAST INSTALLED).

SPECIAL TOOLS REQUIRED

NUMBER	NOMENCLATURE
204-011-178-001	Clevis

1. Attach a 204-011-178-001 hoisting clevis, or equivalent, to eye provided on retaining nut at top of main rotor mast. Connect suitable hoist and take up slack.

2. Station a person at tail skid to steady helicopter when hoisting. If lifting beyond reach from ground, use a rope to steady helicopter.

3. Hoist slowly with a constant lifting force.

7-3. LIFTING COMPLETE HELICOPTER (MAST REMOVED).

SPECIAL TOOLS REQUIRED

NUMBER	NOMENCLATURE
204-040-929-101	Lift plate and cover
204-011-178-001	Clevis

1. Install lift plate (204-040-929-101 or equivalent) on transmission.

2. Attach suitable hoist with clevis (204-011-178-001 or equivalent) to lifting eye.

3. Station a person at tail skid to steady helicopter when hoisting. If lifting beyond reach from ground, use a rope to steady helicopter.

4. Hoist slowly with a constant lifting force.

7-4. LIFTING COMPLETE HELICOPTER (TRANSMISSION REMOVED).

1. Attach a suitable hoist to pylon lift link (figure 7-1).

2. Station a person at tail skid to steady helicopter when hoisting. If lifting beyond reach from ground, use a rope to steady helicopter.

3. Hoist slowly with a constant lifting force.

7-5. LIFTING TAILBOOM ONLY.

SPECIAL TOOLS REQUIRED

NUMBER	NOMENCLATURE
T101626	Sling assembly

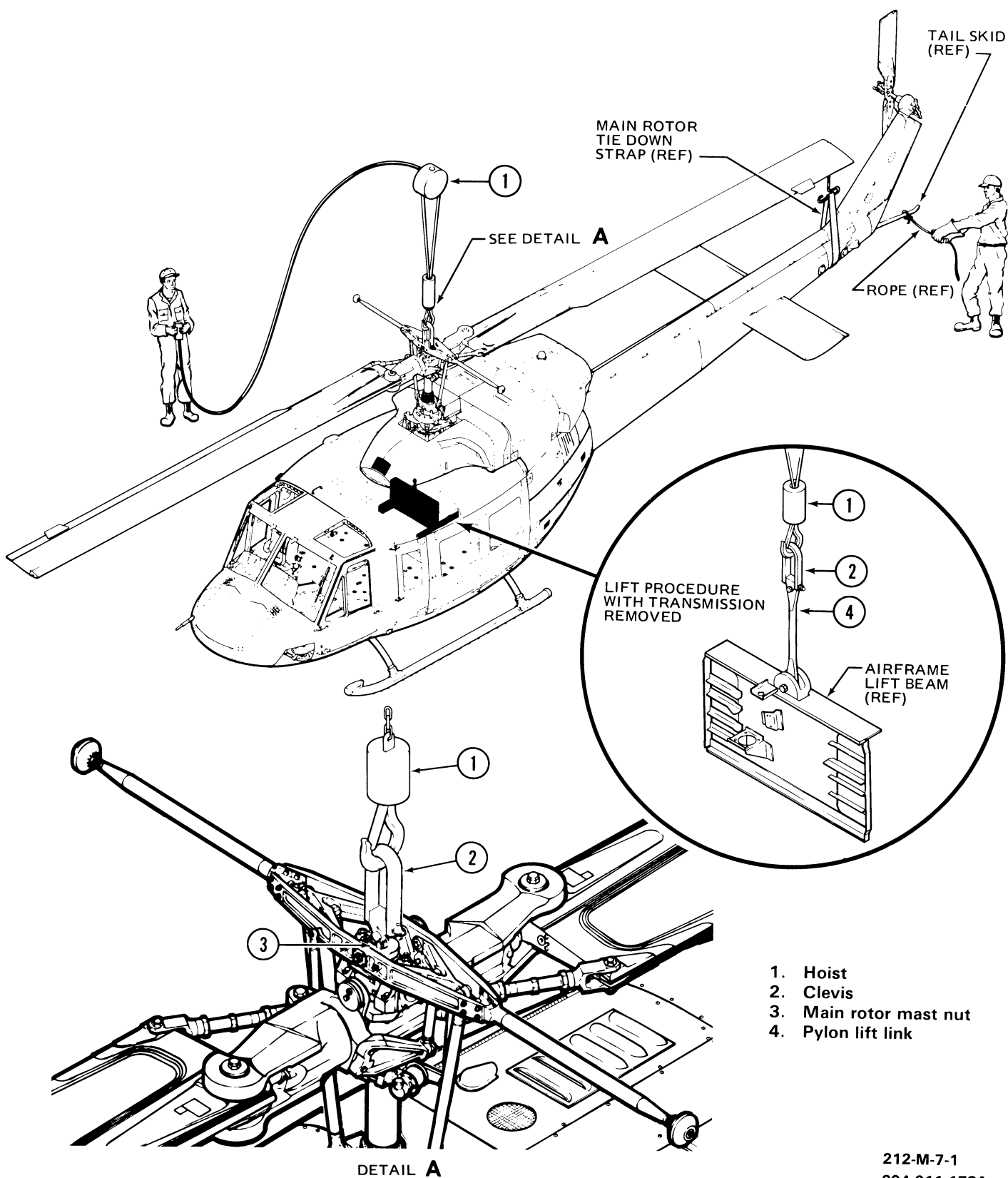
1. Attach sling assembly, T101626, (3, figure 7-2) to suitable hoist and clevis.



DO NOT POSITION STRAP IN AREA OF BAGGAGE COMPARTMENT DOOR. SUITABLE STRAPS SHALL BE POSITIONED AT BULKHEADS TO PREVENT DAMAGE TO TAILBOOM SKIN.

2. Position straps around tailboom at bulkheads forward of vertical fin and aft of baggage door. Position sling at approximate center of gravity to maintain balance.

3. Support weight of tailboom with straps. Take up slack and disconnect tailboom from helicopter (Chapter 53).



212-M-7-1
204-011-178A

Figure 7-1. Hoisting complete helicopter

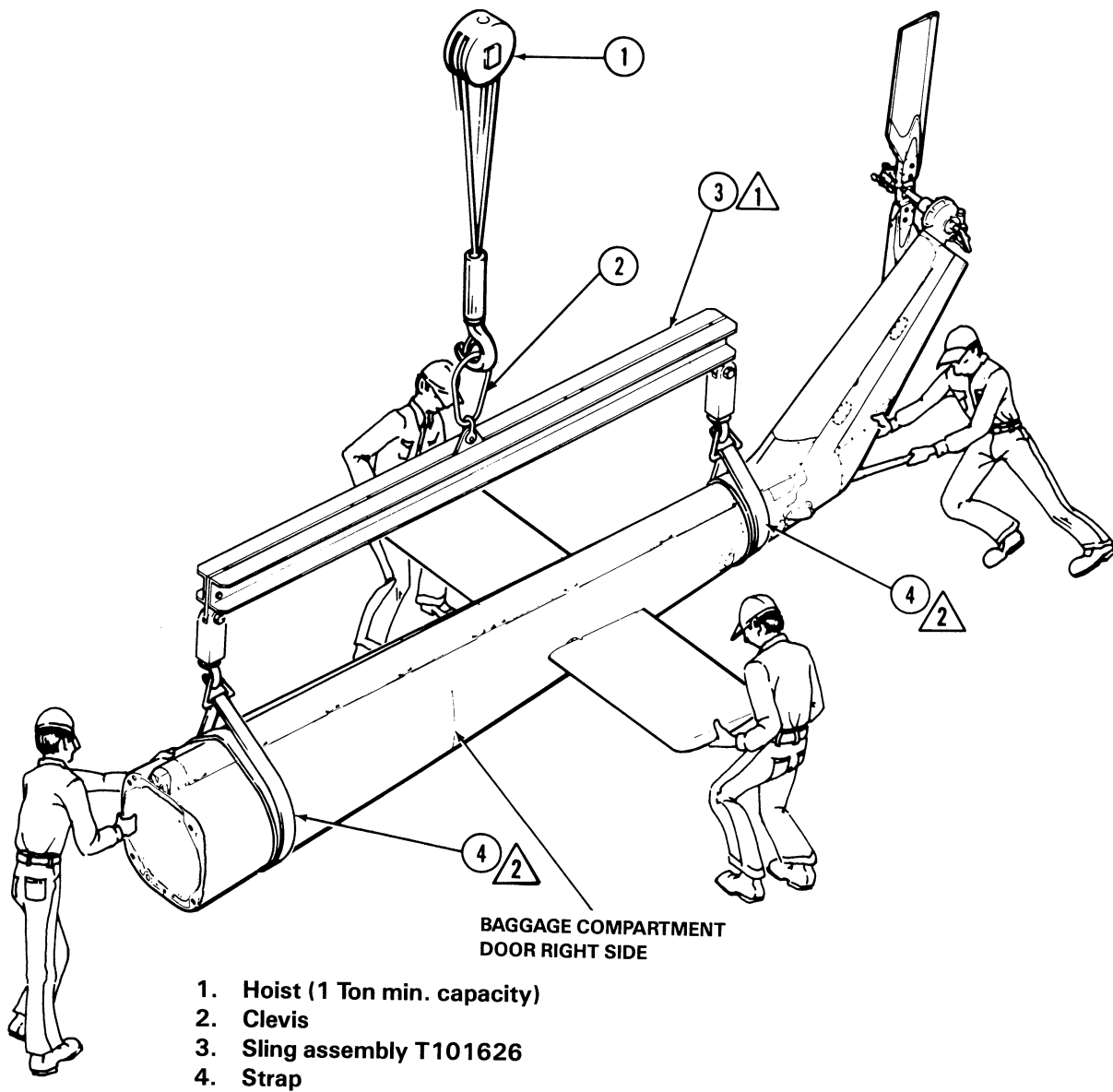


ENSURE TAILBOOM DOES NOT
ROTATE IN STRAPS

NOTE

For use of support assembly,
T102012, refer to Chapter 53.

4. Hoist tailboom slowly with a steady force.



NOTE

- 1 Position sling assembly on tailboom to maintain balance.

CAUTION

- 2 ENSURE STRAPS (4) ARE POSITIONED AND DOUBLE WRAPPED AT BULKHEADS TO HELP PREVENT TAILBOOM FROM FLIPPING OVER. DO NOT POSITION STRAPS (4) IN AREA OF BAGGAGE COMPARTMENT DOOR.

212-M-7-2

Figure 7-2. Hoisting tailboom

JACKING

7-6. JACKING HELICOPTER.

SPECIAL TOOLS REQUIRED

NUMBER	NOMENCLATURE
Regent No. 988S, or equivalent	Hydraulic tripod jacks (4 each, 6000 lb. capacity)

WARNING

DO NOT ALLOW PERSONNEL TO CRAWL INTO OR ONTO HELICOPTER WHILE RAISING OR WHILE HELICOPTER IS SUPPORTED ON JACKS. ROPE OFF AREA AND DISPLAY SIGNS STATING 'HELICOPTER ON JACKS'.

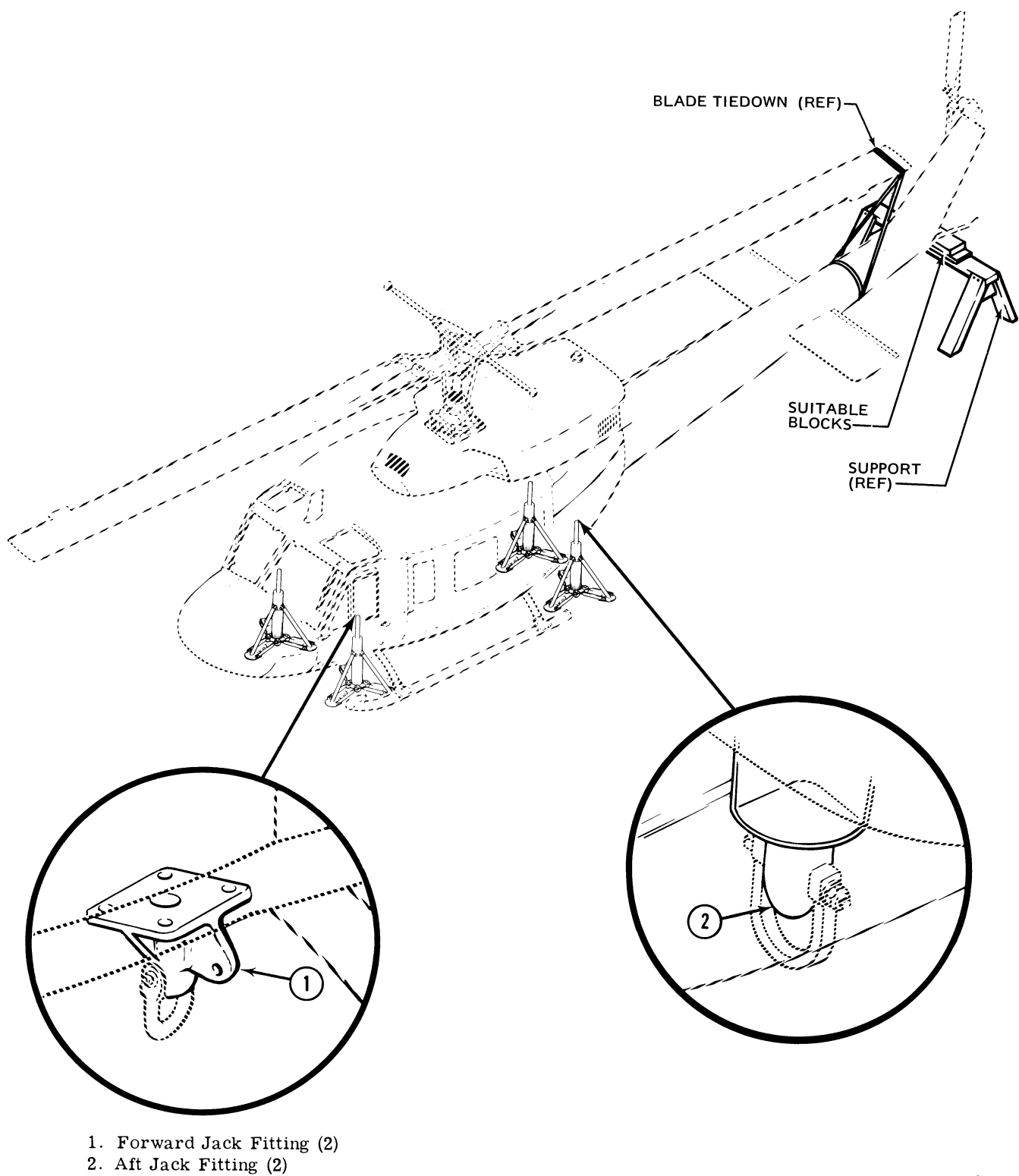
CAUTION

DO NOT PLACE HELICOPTER ON JACKS IN AN UNSHELTERED

AREA IF WIND VELOCITY EXCEEDS 20 KNOTS. HEAD HELICOPTER INTO PREVAILING WIND.

PROVIDE SUITABLE SURFACE FOR JACKS TO REST ON (LEVEL HARD SURFACE OR EQUIVALENT).

1. Raise helicopter as follows:
 - a. Tie down main rotor blades (Chapter 10).
 - b. Place four hydraulic jacks in position under jack point fittings (figure 7-3).
 - c. Operate jack handles slowly and evenly at all four positions, being careful to keep helicopter level, as it is raised to desired height.
2. Lower helicopters as follows:
 - a. Slowly and carefully lower all four jacks simultaneously.
 - b. Remove jacks and other equipment from area.



212-M-7-3
212-900-001

Figure 7-3. Jacking