

- 1 Run the first restraint strap up through the outside center carrying handles of the left bottom, middle, and top parachutes, across the top parachutes, and down through the outside center carrying handles of the top, middle, and bottom right parachutes.
- 2 Run the second restraint strap up through the outside rear carrying handles of the left bottom, middle, and top parachutes, and all upper bridle attaching loops for the cotton bags or through the parachute restraint strap loops for the nylon bags, and down through the outside rear carrying handles of the top, middle, and bottom right parachutes.
- 3 Run the third restraint strap through the outside front carrying handles of the left bottom, middle, and top parachutes. Run the restraint strap across and down through the outside front carrying handles of the right top, middle, and bottom parachutes.
- 4 Run the six ends of the three restraint straps down through the holes in the parachute stowage platform.
- 5 Secure the ends of the restraint straps as in steps 2 through 4, Figure 3-41.
- 6 Close and safety tie the knives, and tie the release strap as in steps 5, and 6, Figure 3-41.

Note: Place the knives around the restraint straps between the carrying handles of the outside middle and bottom parachutes.

Figure 3-43. Eight Parachutes Restrained

Section V

Extraction System

EXTRACTION FORCE TRANSFER COUPLING

3-22. Inspect, maintain, and test the components of the EFTC extraction system as outlined in TM 10-1670-296-20&P/TO 13C7-49-2 and this manual.

a. Inspecting and Assembling Components. Before each use, inspect and assemble the components of the EFTC extraction system as follows:

(1) Inspect the components according to TM 10-1670-296-20&P/TO 13C7-49-2.

(2) Assemble the EFTC extraction system as shown in Figures 3-44 through 3-48.

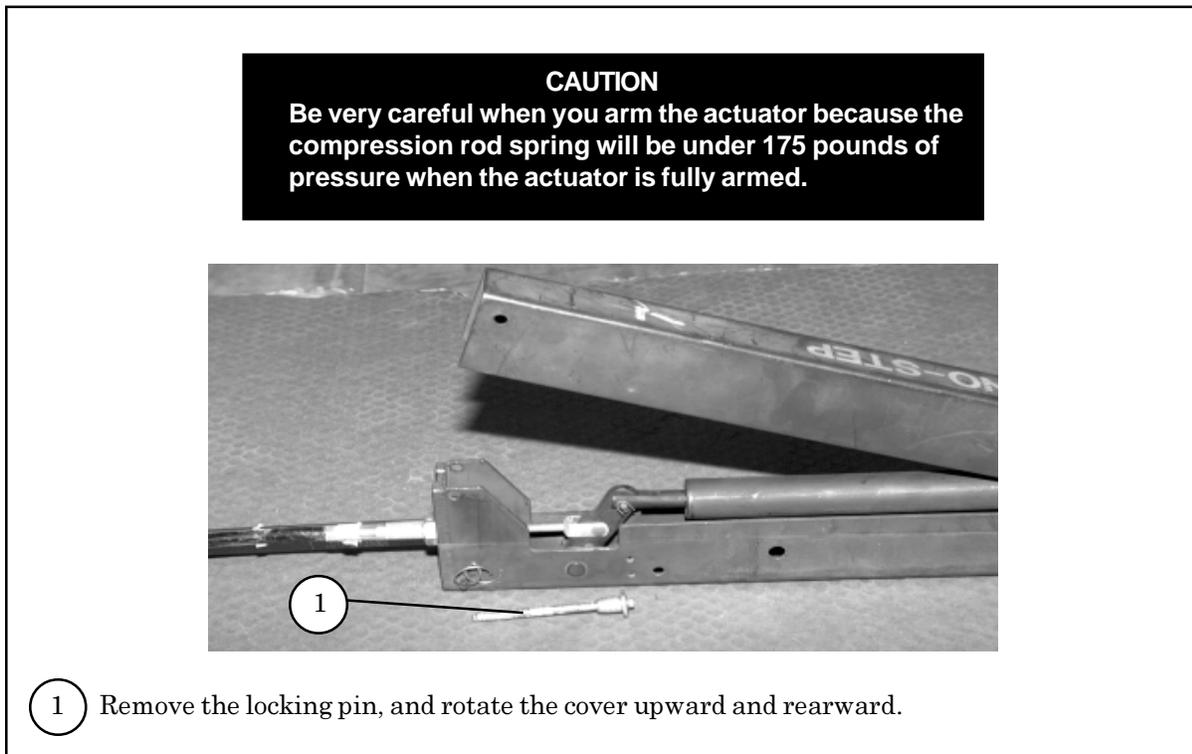


Figure 3-44. Locking Pin Removed

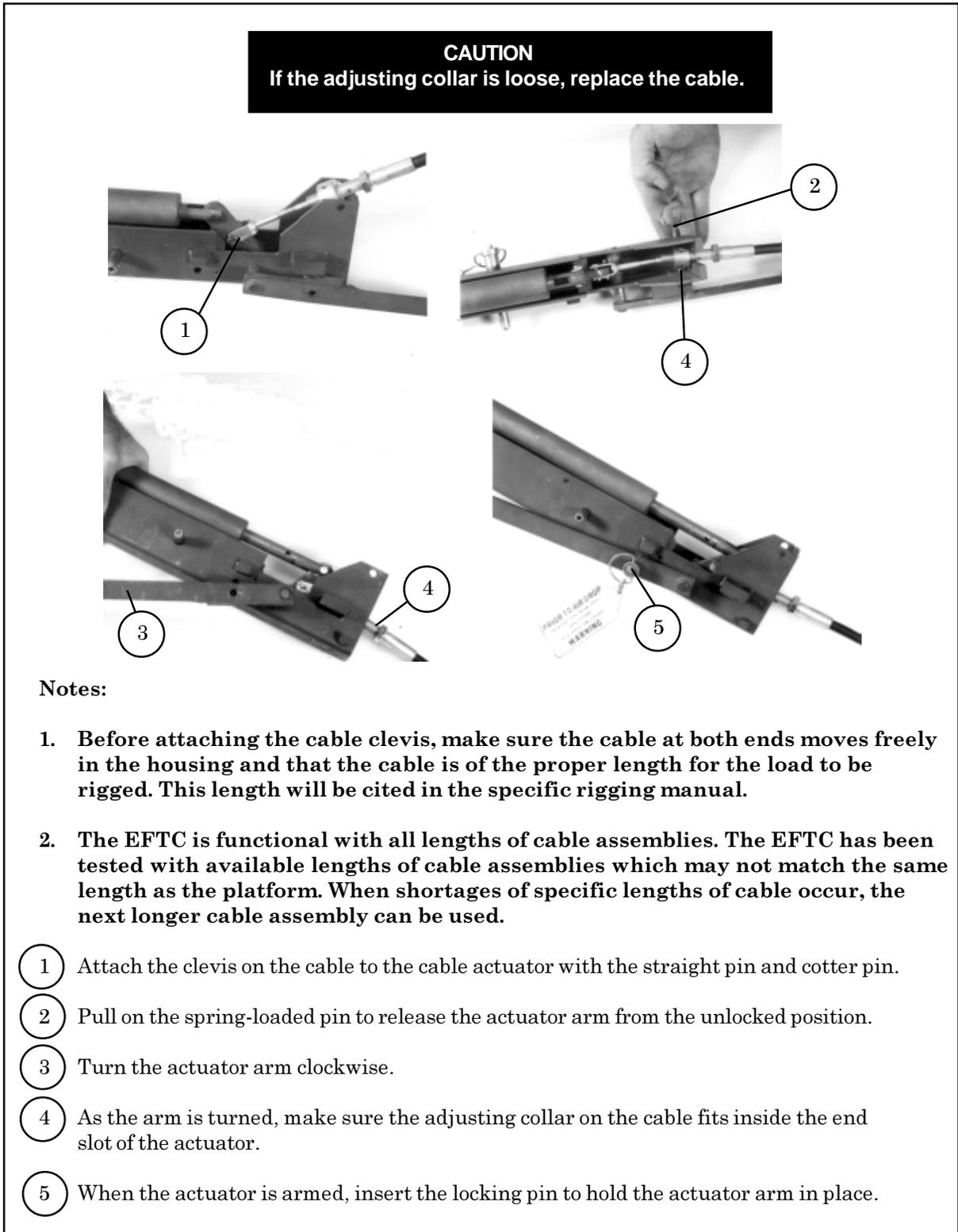
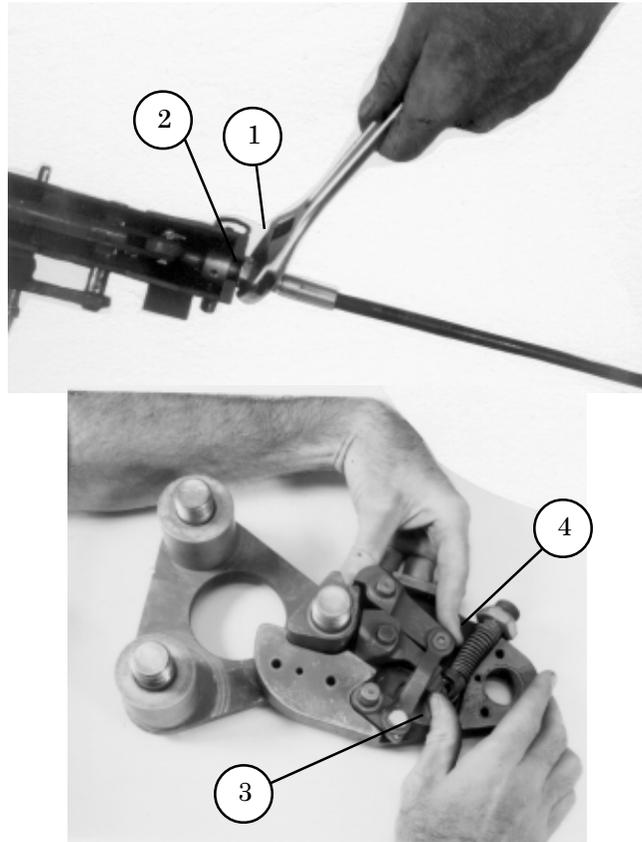


Figure 3-45. Cable Installed and Actuator Armed



CAUTION
The top plate of the latch assembly is removed for clarity only and is not authorized to be removed.

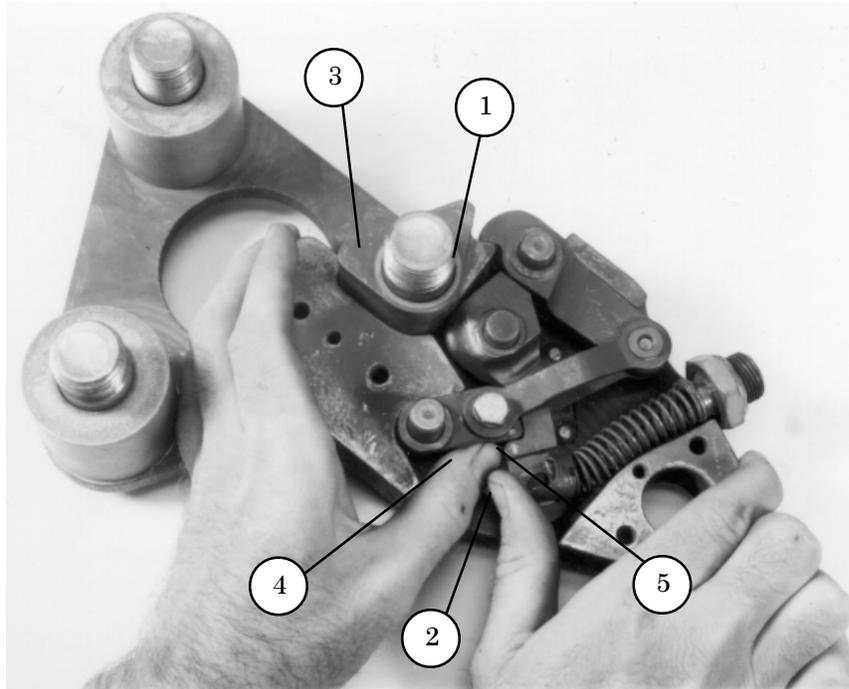
- 1 Use a wrench to tighten the locking nut on the cable until the nut is flush against the actuator body.
- 2 Make sure the adjusting collar is flush against the inside of the actuator body.

CAUTION
DO NOT overtighten the locking nut. This may cause the housing to crack.

To ensure that the cam of the link assembly is properly seated in the latch assembly with the retainer hook holding the cam, release and then reseat the cam as follows:

- 3 Push up on the catch.
- 4 Push down on the retainer hook and idler link to free the cam, and remove the link assembly.

Figure 3-46. Cable Installed and the Link Assembly Cam Seated



CAUTION
The top plate of the latch assembly is removed for clarity only and is not authorized to be removed.

Reseat the cam of the link assembly in the latch assembly as follows:

- ① Set the edge of the cam in place within the latch.
- ② Repeat steps 3 and 4, Figure 3-46.
- ③ Push cam into place.
- ④ Push the lock link up to engage the retainer hook.
- ⑤ Align the dot on the lock link with the arrow on the catch.

The cam of the link assembly is now properly seated under the retainer hook of the latch assembly.

Figure 3-47. Link Assembly Cam Reseated

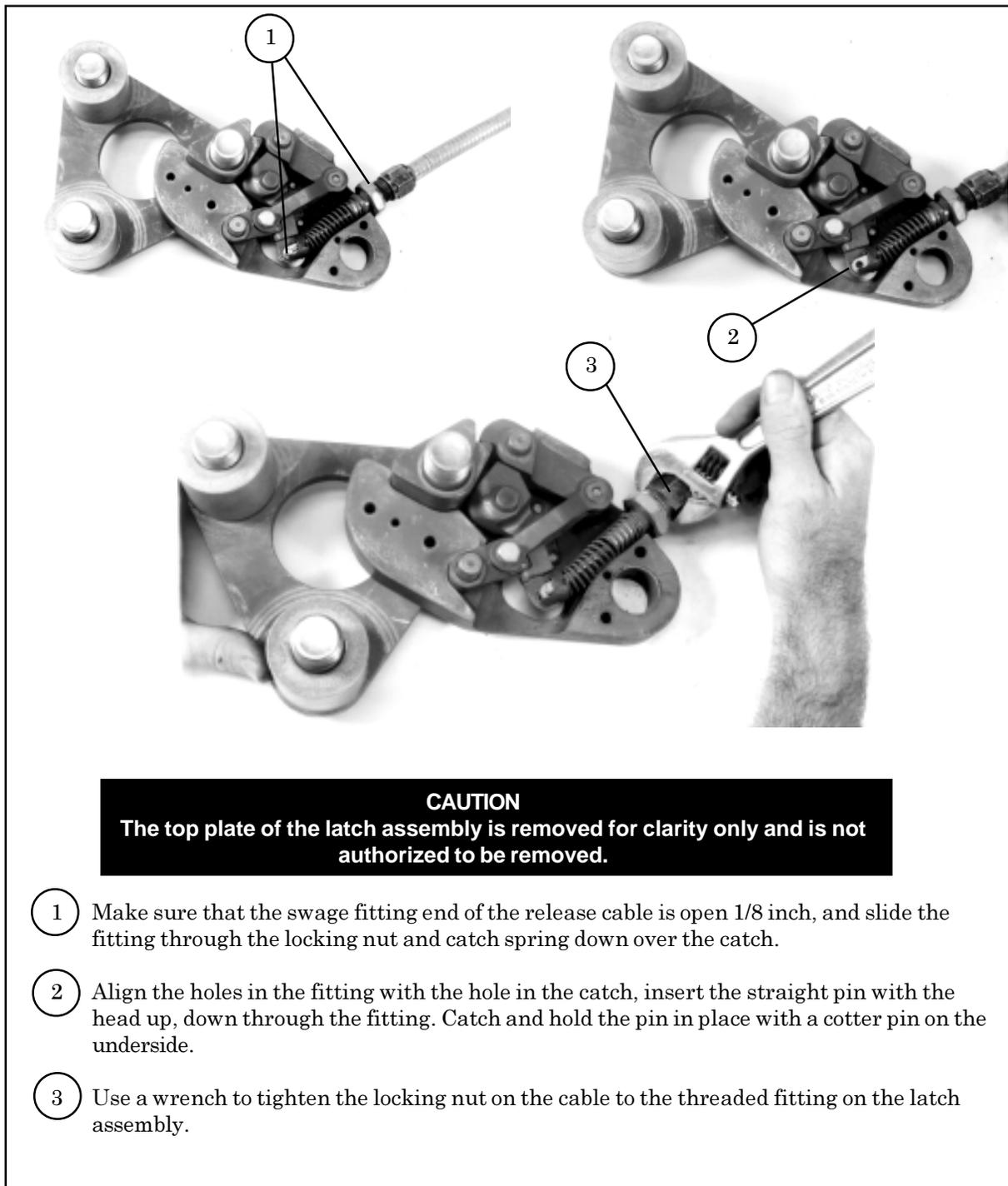


Figure 3-48. Latch Assembly Cable Adjusted

b. Testing EFTC Extraction System. Before each use of the EFTC extraction system, test it as shown in Figure 3-49.

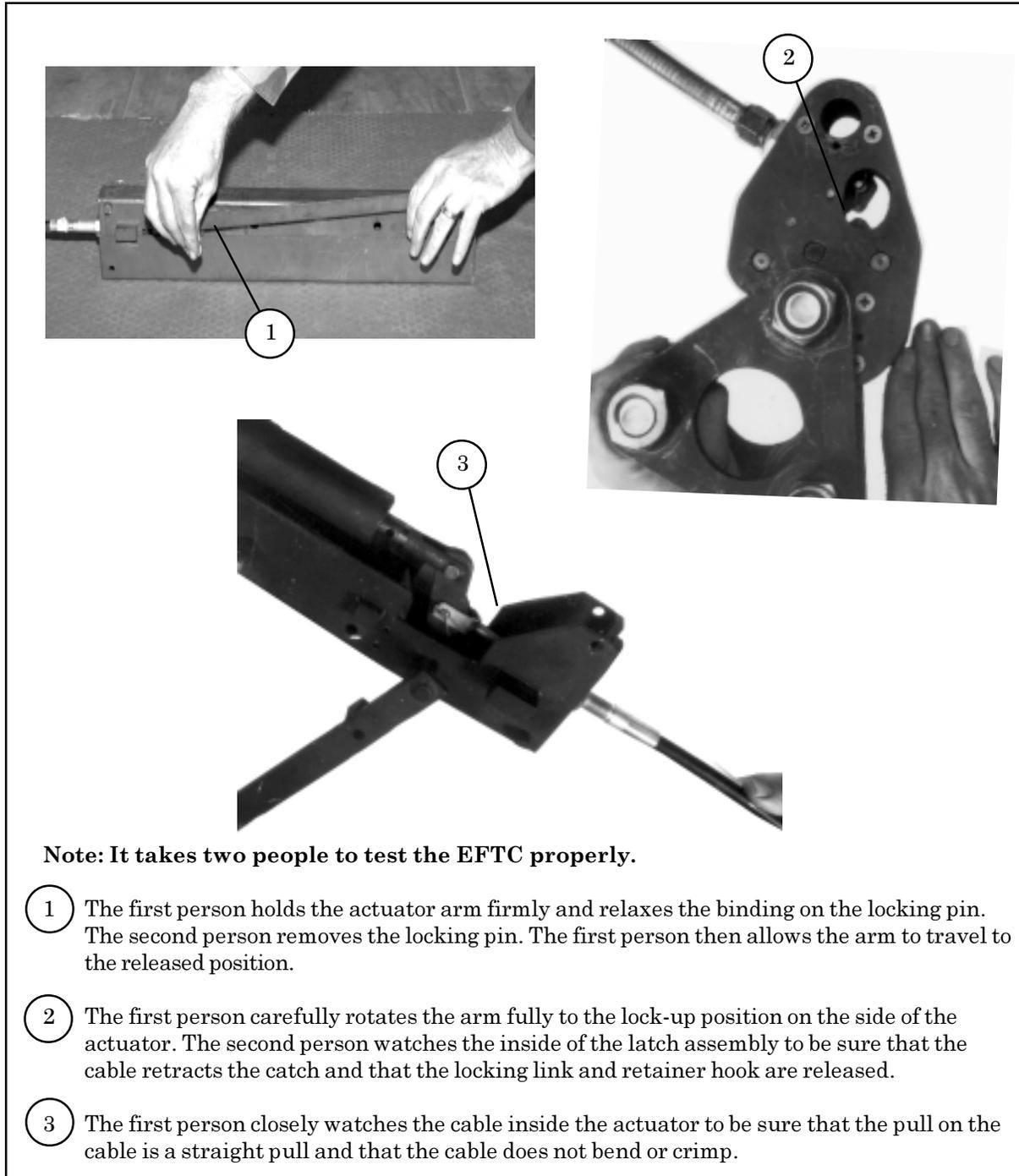
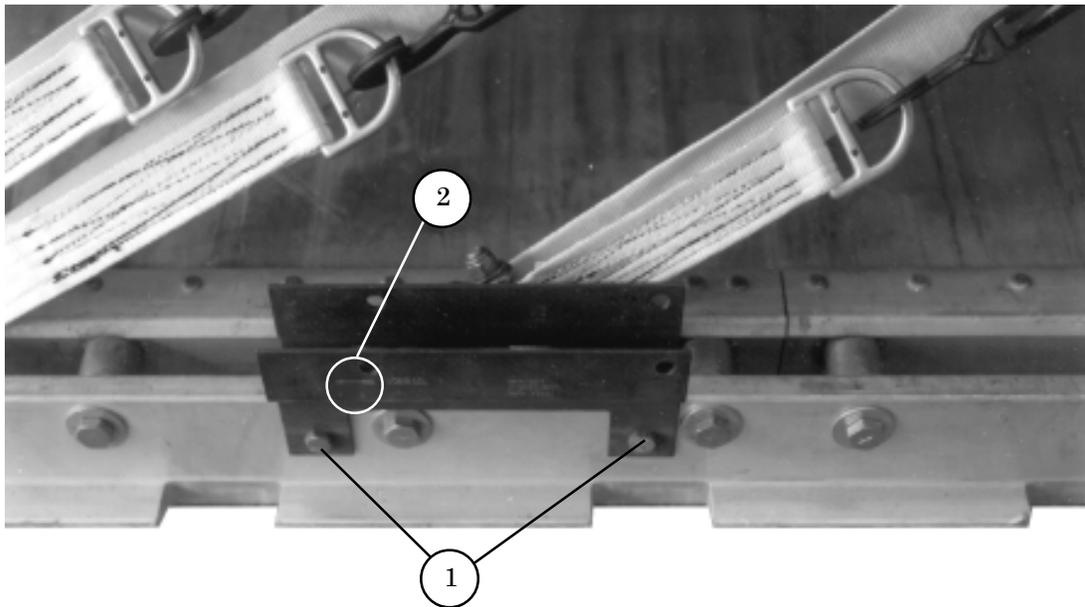


Figure 3-49. EFTC Tested

c. Preparing and Attaching the EFTC to the Type V Platform. After the EFTC has been tested, disassemble it. Prepare the EFTC components and attach them to the type V platform as shown in Figures 3-50 through 3-52.



CAUTION

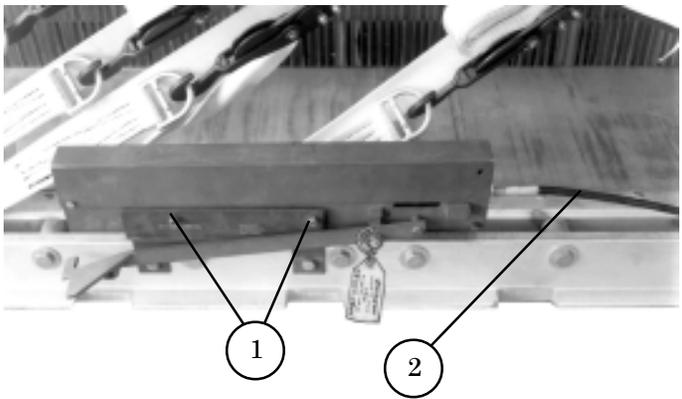
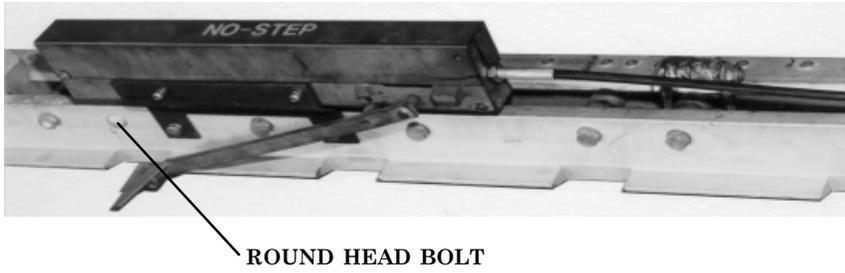
When attaching the EFTC mounting brackets on a 28 or 32-foot type V airdrop platform that has three sets of actuator mounting bracket holes, use only the rear most set of holes.

Note: Bolt the actuator mounting brackets to the bracket holes as directed in the specific rigging manual.

- ① Bolt the inside and outside actuator brackets to the left rail of the type V platform using self locking nuts.
- ② Make sure the arrow stamped on the outside mounting bracket points toward the front of the platform to show the brackets are properly installed.

Figure 3-50. Actuator Mounting Brackets Installed to the Type V Platform Side Rail

CAUTION
When the actuator arm falls directly over the side rail bolt, use a round head replacement bolt. (NSN 5306-00-151-0653)



Step:

1. Pin the actuator to the actuator brackets with the PIP pins provided. Make sure the PIP pins are put in from the inboard side of the bracket.
2. Pass the cable to the inside of the side rail tiedown straps to prevent movement of the cable. Tie the cable in place as directed by the specific rigging manual.

Note: If a longer cable than specified in the specific rigging manual is used, make sure that it is routed in smooth s-shaped bends and with no 360 degree circles.

Figure 3-51. Actuator Pinned to Brackets and Position Verified



Step:

3. Verify the positioning of the installed actuator as follows:
 - a. Hold the actuator arm in place, and remove the locking pin.

CAUTION
The actuator arm is under 175 pounds of force.

- b. Allow the arm to rotate down through the forward indent in the side rail.
- c. Make sure the arm clears the indent by 1/4-inch.
- d. If the arm **CLEAR**s the indent by 1/4-inch, return the arm to the armed position and replace the PIP pin.
- e. If the arm **FAILS** to clear the indent by 1/4-inch, make sure the correct mounting holes were used. If the correct holes were used, **REPLACE** the actuator.

Note: After you verify the position of the actuator, remove the quick-release pins. Lay the actuator on the platform, and secure the actuator. This will keep the actuator from being damaged while the platform is being loaded in the aircraft.

- f. If the type V platform is to be airdropped from a C-5 aircraft, install an actuator arm extension pin on the actuator arm as shown above.

Figure 3-51. Actuator Pinned to Brackets and Positioned Verified (Continued)