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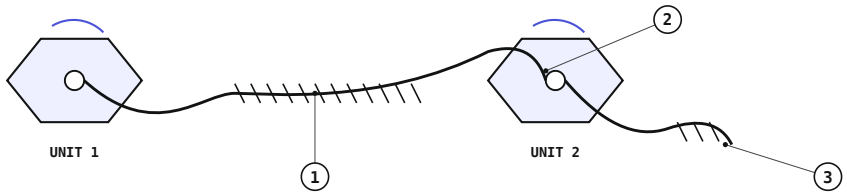
Safety Wiring Bolts and Screws

Direction · twists · pigtail

REFERENCE DRAWING — NOT APPROVED DATA · THE SRM ALWAYS GOVERNS

PLAN

DOUBLE-TWIST · RIGHT-HAND THREADS



THE WIRE ALWAYS PULLS EACH HEAD THE WAY IT TIGHTENS; REVERSED ROUTING FOR LEFT-HAND THREADS

PARTS LIST

#	ITEM	RULE	SOURCE
1	Twisted section	Taut while twisting; 6 to 8 twists per inch; do not overstress	AC par. 7-124e, Fig. 7-3a
2	Loop round the head	Fits closely to the contour of the unit	par. 7-124h
3	Pigtail	4 to 6 full turns (1/2 to 5/8 in), bent under and inward	pars. 7-124f, g(2)
—	Wire size	0.032 in min. above 0.045 in hole; 0.020 in to 0.062 in hole, under 2 in apart	par. 7-123b
—	Single wire	Close patterns, electrical, tight spots: the largest wire the hole takes	par. 7-123a, b
—	Emergency devices	Only as specified: copper or brass 0.020 in that must shear	par. 7-123
—	Before wiring	Torque first; never over- or undertorque to align the holes	par. 7-124g(1)

NOTES

1. Dimensions in inches. Do not scale: the SRM sets the values.
2. For reference. The applicable manual always governs.
3. Based on AC 43.13-1B ch. 7.

REVISIONS

REV	DESCRIPTION	DATE
A	First issue	2026-10-30

The Aviation Point. Structural repair reference

TITLE			
Safety wire			
DRAWING NO.	REV	SCALE	SHEET
TAP-DWG-063	A	NTS	1 OF 1
APPLIES TO			
Bolts, screws, nuts			

DO NOT SCALE DRAWING

After AC 43.13-1B pars. 7-122 to 7-125 (Figs. 7-3, 7-3a). Typical only: the manual's routing governs.

Key points

- **Pull in the tightening direction.**
- **6 to 8 twists per inch; 1/2 to 5/8 in pigtail.**

Step by step

1. Torque.
2. Wire size.
3. Twist taut.
4. Route.
5. Pigtail.

SOURCES · FAA AC 43.13-1B CHG 1, Acceptable Methods, Techniques and Practices

SCAN · OPEN THIS GUIDE
theaviationpoint.com/standard-practices/safety-wire/

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