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#540 INSTANTANEOUS SAFETY

INSTALLATION AND ADJUSTMENT INSTRUCTIONS

INSTALLATION PROCEDURE: (Refer to Figure 1)

1. After bolting the safety blocks to the underside of the car sling bottom channels, center the safety on the guide rails. There should be approximately 1/8" clearance between the side of the rail and the face of the grip. Also, the inside edge of the grip should be approximately 1/4" back from the face of the rail.
2. Due to motion lag, the linkage must be adjusted to advance the grips (on opposite side of the governor) to contact the rail before the grips on the governor side. To accomplish this advancement:
 - a. Set all four grips to engage the rail at the same instant.
 - b. Remove pin (A) and thread yoke (B) one full turn toward the governor side of the car. Re-insert pin (A).
3. To ensure proper operation of the safety, the guide rails must be clean, dry, and free of rust. If guide rail lubrication is required, Nylube Rail Care 45™ or a light coat of Nylube Rail Lube™ may be used. Rail Lube™ is available from Hollister-Whitney. DO NOT use any other type of lubricant on guide rails with 540 instantaneous safeties.

NOTE: NO SAFETY LUBRICATION REQUIRED. SEE PRINTS BELOW FOR REFERENCE.

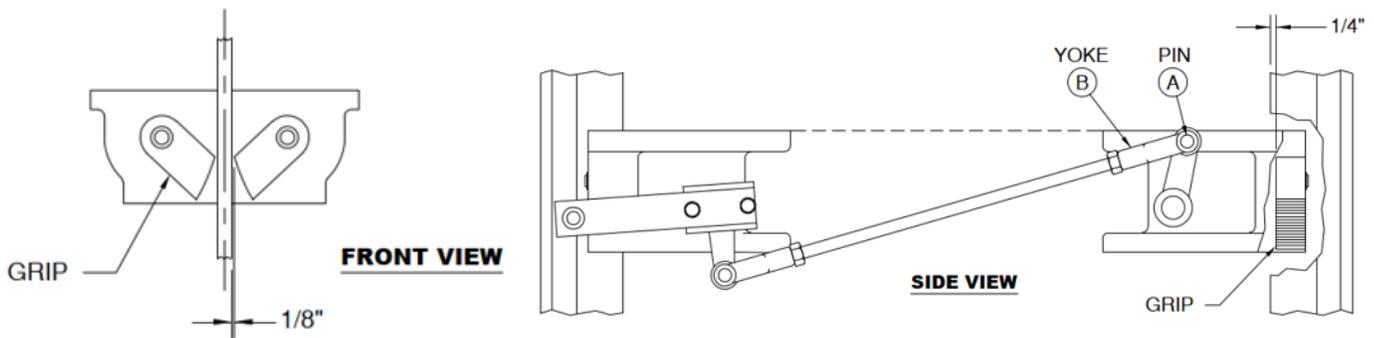


Figure 1

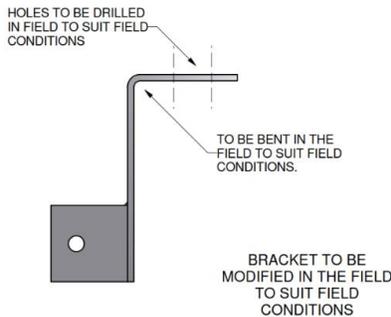


Figure 2: Governor Rod Bracket, see Page 3

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TESTING PROCEDURE:

Type A Governor-Operated Safeties shall be tested by operating the car at its rated speed in the down direction and manually tripping the governor jaws.

A test shall also be made of the inertia application of the safety to determine conformance with ASME A17-1 Section 2.17.8.1, by attaching the proper weight to the return run of the governor rope.

See ASTM A17.1/CSA B44, Safety Code for Elevators and Escalators; Nonmandatory Appendix M, Figure M-1, as illustrated in Figure 3 below, for location of weight to be attached to the governor rope when making the inertia test.

The inertia application test shall be made with the car stationary, and the weight **W**, when released, shall move the safety parts into contact with the rails.

The proper weight **W** for #540 Instantaneous Safeties is 75 pounds.

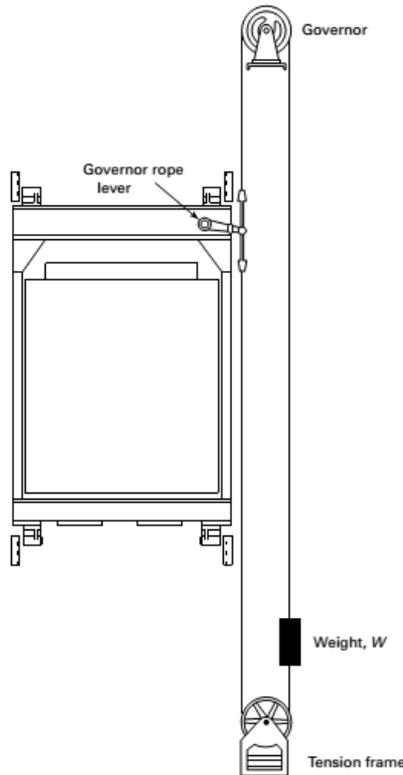
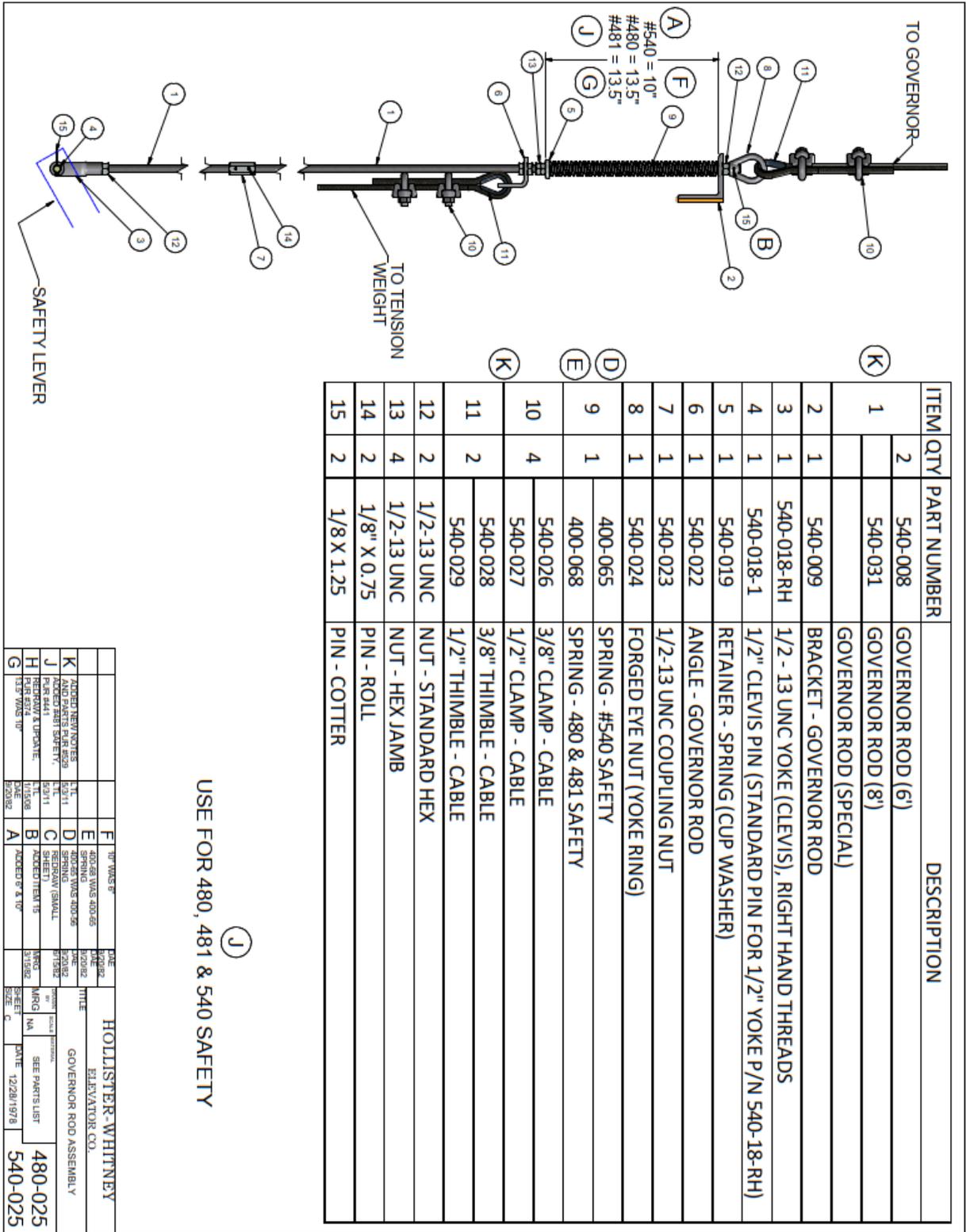


Figure 3: Test Weight Location

Inertia application of the safety on the Type A auxiliary safety plank of Type C safeties is not required.



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ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	540-008	GOVERNOR ROD (6')
		540-031	GOVERNOR ROD (8')
			GOVERNOR ROD (SPECIAL)
2	1	540-009	BRACKET - GOVERNOR ROD
3	1	540-018-RH	1/2 - 13 UNC YOKE (CLEVIS), RIGHT HAND THREADS
4	1	540-018-1	1/2" CLEVIS PIN (STANDARD PIN FOR 1/2" YOKE P/N 540-18-RH)
5	1	540-019	RETAINER - SPRING (CUP WASHER)
6	1	540-022	ANGLE - GOVERNOR ROD
7	1	540-023	1/2-13 UNC COUPLING NUT
8	1	540-024	FORGED EYE NUT (YOKE RING)
9	1	400-065	SPRING - #540 SAFETY
		400-068	SPRING - 480 & 481 SAFETY
10	4	540-026	3/8" CLAMP - CABLE
		540-027	1/2" CLAMP - CABLE
11	2	540-028	3/8" THIMBLE - CABLE
		540-029	1/2" THIMBLE - CABLE
12	2	1/2-13 UNC	NUT - STANDARD HEX
13	4	1/2-13 UNC	NUT - HEX JAMB
14	2	1/8" X 0.75	PIN - ROLL
15	2	1/8 X 1.25	PIN - COTTER

USE FOR 480, 481 & 540 SAFETY (J)

ADDIT'N NOTES	DATE	BY	REV.
K ADDIT'N NOTES	12/11	HW	2
J PART #441	02/11	HW	1
H REVISION UPDATE	11/08	HW	1
G 1/2" WMS 10"	02/02	HW	1

HOLLISTER-WHITNEY	DATE	12/20/1978
ELEVATOR CO.	SIZE	C
GOVERNOR ROD ASSEMBLY	SEE PARTS LIST	480-025
		540-025