

PSB#09307

**Vector I & Vector II Reserve Pilot Chute
 Spring Compression Force Test
 January 21, 1991**

Vector I Reserve Pilot Chute Spring 20 lb.
 Compression Force Test Status: Mandatory
 testing at each reserve repack. Mandatory
 replacement with a Vector II Reserve Pilot Chute
 if 20 lb. compression force is not reached.
 Identification: All Vector I Reserve Pilot Chutes

Background: Pilot chute springs, like all
 parachute equipment, eventually wear out. The
 Relative Workshop mandates that Vector I pilot
 chutes be tested to insure their airworthiness.

Pilot chute springs with less than a 20 lb.
 compression force might fail to function properly
 when improperly packed; i.e. a closing loop that
 is too long, or the pilot chute skirt spread out
 too much toward the edges of the container,
 so that it is trapped by the riser covers and
 reserve side flaps if the reserve is activated
 while the main container is full. Pilot chute
 springs with less than a 15 lb. compression
 force might not function well even when
 correctly packed. Service Bulletin: Place the
 base of the Vector I pilot chute on an
 accurate scale as shown in Figure 1. Compress
 the pilot chute to within 1" of maximum
 compression as shown in Figure 2. A 1" spacer
 must be used to determine the 1" depth as
 shown in Figure 3. Be careful not to transfer
 any force through the spacer as this will
 cause the scale to read inaccurately high.
 The scale should read at least 20 lb. for the
 pilot chute to remain in service. If less than
 20 lb. is reached or if the measurement is
 questionable, replace the pilot chute with a
 Vector II Reserve Pilot Chute.

Qualified Personnel: Testing should be
 performed by a Master Rigger, Senior Rigger,
 or Foreign Equivalent.

Compliance Date: Every_reserve repack
 Authority: Relative Workshop

Distribution: Parachutist, PIA, Skydiving,
 USPA, worldwide

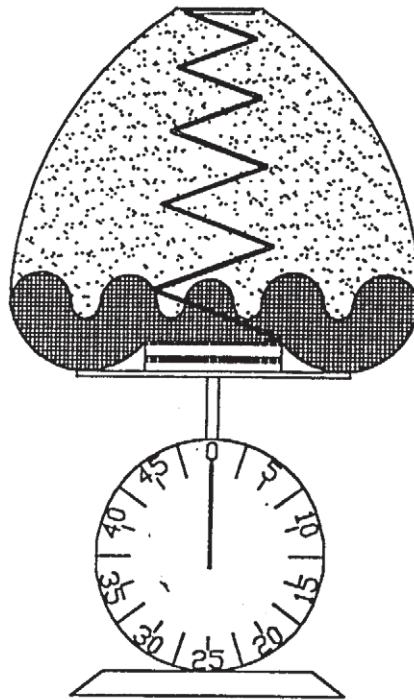


Fig. 1

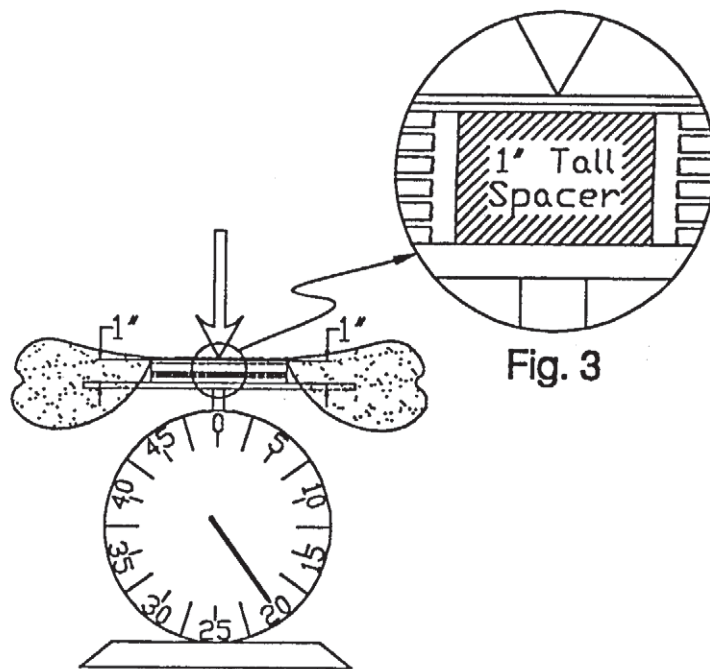


Fig. 2