

(5) The text in UL 1517, section 40, that is not included under paragraph (d)(1) of this section.

(e) *Commercial Hybrid PFD.* (1) For a commercial hybrid PFD that is “REQUIRED TO BE WORN” the manual must meet the requirements of paragraph (d) of this section.

(2) For a commercial hybrid PFD approved as a “Work Vest Only” or Type I PFD the manual must meet the requirements of either paragraphs (e) (3) and (4) or of paragraph (c) of this section. The manual for a commercial Type I hybrid PFD which is also labeled for use on recreational boats must meet the requirements of paragraph (c) of this section.

(3) Each commercial hybrid PFD approved with special purpose limitation must have a user’s manual that—

(i) Explains in detail the proper care, maintenance, stowage, and use of the PFD; and

(ii) Includes any other safety information as prescribed by the approval certificate.

(4) If the manual required in paragraph (e)(3) of this section calls for inspection or service by vessel personnel, the manual must—

(i) Specify personnel training or qualifications needed;

(ii) Explain how to identify the PFDs that need to be inspected; and

(iii) Provide a log in which inspections and servicing may be recorded.

(5) If a PFD light approved under subpart 161.012 is not provided at time of sale, the manual must specify the recommended type of light to be used.

(6) Notwithstanding the requirements of paragraph (b) of this section, manufacturers that make shipments to purchasers that do not redistribute the PFDs, must provide at least one manual in each carton of PFDs shipped.

[CGD 78-174, 50 FR 33928, Aug. 22, 1985, as amended by CGD 78-174, 60 FR 2490, Jan. 9, 1995]

§ 160.077-30 Spare operating components and temporary marking.

(a) *Spare operating components.* Each recreational and commercial hybrid PFD must—

(1) If it has a manual or automatic inflation mechanism and is packaged and sold with one inflation medium

cartridge loaded into the inflation mechanism, have at least two additional spare inflation cartridges packaged with it. If it is sold without an inflation medium cartridge loaded into the inflation mechanism, it must be packaged and sold with at least three cartridges; and

(2) If it has an automatic inflation mechanism and is packaged and sold with one water sensitive element loaded into the inflation mechanism, have at least two additional spare water sensitive elements packaged with it. If it is sold without a water sensitive element loaded into the inflation mechanism, it must be packaged and sold with at least three water sensitive elements.

(b) *Temporary marking.* Each recreational and commercial hybrid PFD which is sold—

(1) In a ready-to-use condition but which has covers or restraints to inhibit tampering with the inflation mechanism prior to sale, must have any such covers or restraints conspicuously marked “REMOVE IMMEDIATELY AFTER PURCHASE.”; or

(2) Without an inflation medium cartridge, a water sensitive element, or both pre-loaded into the inflation mechanism, must include the markings required in §160.077-15(c)(3)(ii).

[CGD 78-174, 60 FR 2491, Jan. 9, 1995]

§ 160.077-31 PFD Marking.

(a) *General.* Each hybrid PFD must be marked with the applicable information required by this section. Each marking must be waterproof, clear, permanent, and readable from a distance of three feet.

(b) *Prominence.* Each marking, other than the text in paragraphs (c) and (d) of this section, must be significantly less prominent and in smaller print than paragraph (c) and (d) text.

(c) *Recreational Hybrid PFD.* Each recreational hybrid PFD must be marked with the following text using capital letters where shown and be presented in the exact order shown:

TYPE [II, III, or V, as applicable] PFD

[See paragraph (k) of this section for exact text to be used here]