

The American Boat & Yacht Council, Inc.

# ABYC

**Setting Standards for Safer Boating**

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***S-12 OUTBOARD ENGINE, TRANSOM AND ENGINE WELL DIMENSIONS***

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## S-12 OUTBOARD ENGINE, TRANSOM AND ENGINE WELL DIMENSIONS

*Based on ABYC's assessment of the state of existing technology, and the problems associated with achieving the requirements of this standard, ABYC recommends compliance with this standard by August 1, 2003.*

### 12.1 PURPOSE

This industry conformity standard is a guide for the design of the outboard engine and the boat engine well dimensions to provide adequate means for mounting and suitable clearances.

### 12.2 SCOPE

This industry conformity standard applies to all boats with outboard engines designed for transom mounting without transom brackets.

### 12.3 GENERAL

12.3.1 Transom and engine well dimensions shall comply with [FIGURE 1](#), [2](#), [3](#), [4](#) and [5](#) and [TABLE I](#).

12.3.2 Boats designed to accommodate either single or twin engines shall provide standard transom heights at all prescribed engine centerline locations. Consideration must be given to available freeboard at the stern when twin engines are to be installed (refer to [TABLE I](#), Dimension D).

12.3.3 Fastening holes in mounting brackets shall avoid the horizontal and vertical bands shown in [Figures 4](#) and [5](#).

12.3.4 Outboard engines shall provide means for holding the engine at or above the minimum ramp clearance angle of 15° when the engine is on a 14° transom (see [FIGURE 1](#)).

### 12.4 DESIGN

12.4.1 Clamping and bolting areas must be clear and flat on the forward and aft face of the transom, and shall have no obstructions through the transom (refer to [FIGURE 1](#), [4](#) and [5](#) and [TABLE I](#)).

12.4.2 Engine well access holes for the routing of engine cables, wires, and hoses shall be located to prevent damage under all degrees of tilt and steering arc.

FIGURE 1

