Hi-Performance MARINER OUTBOARDS
MERCURY PERFORMANCE OUTBOARDS

service bulletin

No. 98-11

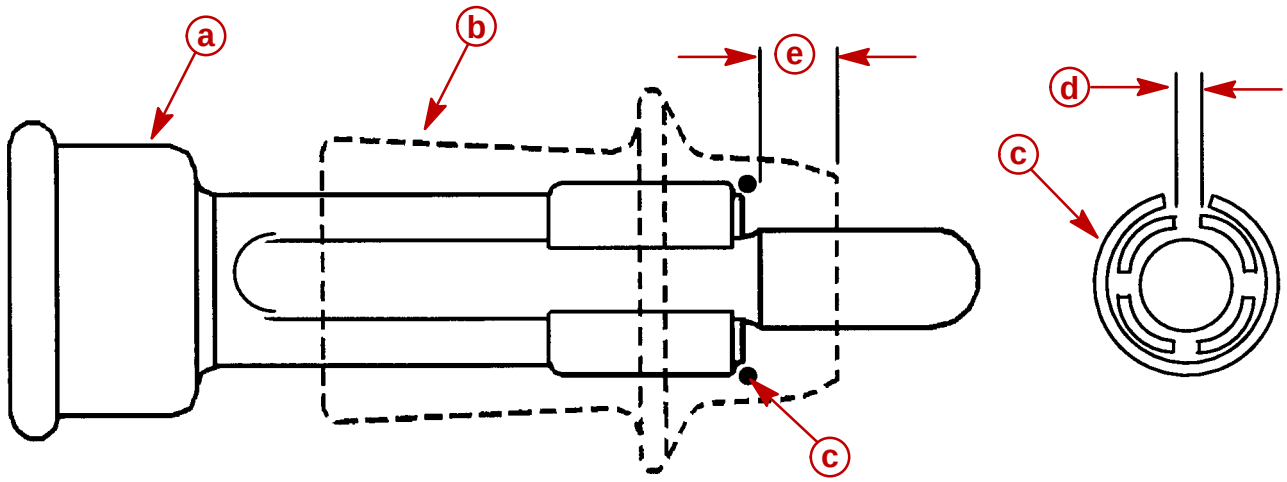
Installation Tool 91-849963A1 – Piston Pin Retaining Clip

This tool will prevent distortion of the piston pin retaining clip during installation and thereby improve piston pin retention.

NOTE: *This tool must be used when installing retaining clip PN 40-52035 (identified by a RED coating).*

1. Place the retaining clip onto the tool with the gap corresponding to one of the slots of the tool.
2. Slide the installer body over the plunger and clip until the clip is approximately 1/4” (25mm) from the end.
3. Align the gap of the retaining clip to be either to the top or to the bottom of the piston.
4. Place the tool into the piston/pin and force the plunger in (while holding the installer body in place) to set the retaining clip.

IMPORTANT: The opening in the clip must be oriented toward the top or the bottom of the piston, for the most effective pin retention.



a - Tool (Plunger)
b - Tool (Installer Body)
c - Retaining Clip
d - Clip Opening Aligned with Tool Slot
e - Approximate 1/4” (25 mm) Setup Position

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