MARINER OUTBOARDS

MERCURY OUTBOARDS

# service bulletin

No. 96-9

# Cowl Decals - 6 thru 250 HP

## Models Affected

**MARINER AND MERCURY**

1996 6 thru 250 HP Models

S/N 0G286100 thru 0G437999

There have been reports of bubbles developing in the cowl decals on some 6 thru 250 HP models. The bubbles develop shortly after exposure to warm temperatures and direct sunlight. Tests have shown that the bubbles develop when air trapped under the decal expands. Beginning with serial number 0G437999, cowl decals are assembled using the wet method, described in this Bulletin, to minimize the air trapped under the decal.

**CORRECTION:**

Cowl decals that show objectionable bubbles must be replaced with new decals, per the following method. This method should be used whenever cowl decals are replaced.

## Decal Application

**DECAL REMOVAL**

1. Mark decal location before removal to assure proper alignment of new decal.
2. Carefully soften decal and decal adhesive with a heat gun or heat blower while removing old decal. Remove any remaining adhesive with acetone or lacquer thinner.
3. Clean decal contact area with a 50:50 mixture of isopropyl alcohol and water.
4. Thoroughly dry decal contact area and check for a completely cleaned surface.

## Instructions for "Wet" Application

***NOTE:*** *The following decal installation instructions are provided for a "Wet" installation.* ***All*** *decals should be applied wet.*

**TOOLS REQUIRED**

1. Plastic Squeegee*
2. Stick Pin
3. Dish Washing **Liquid/Detergent without ammonia**** "Joy" and "Drift" are known to be compatible for this process.

* Automotive Body Filler Squeegee

** Do not use a soap that contains petroleum based solvents.

**SERVICE TIP: Placement of decals using the "Wet" application will allow time to position decal. Read entire installation instructions on this technique before proceeding.**

**TEMPERATURE**

**IMPORTANT: Installation of vinyl decals should not be attempted while in direct sunlight. Air and surface temperature should be between 60°F (15°C) and 100°F (38°C) for best application.**

**SURFACE PREPARATION**

**IMPORTANT: Do not use a soap or any petroleum based solvents to clean application surface.**

Clean entire application surface with mild dish washing liquid and water. Rinse surface thoroughly with clean water.



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**DECAL APPLICATION**

1. Mix $^{1}/_{2}$ ounce (16 ml) of dish washing liquid in one gallon (4 l) of cool water to use as wetting solution.

***NOTE:*** *Leave protective masking, if present, on the face of decal until final steps of decal installation. This will ensure that the vinyl decal keeps it's shape during installation.*

2. Place the decal face down on a clean work surface and remove the paper backing from "adhesive side" of decal.
3. Using a spray bottle, flood the entire "adhesive side" of the decal with the pre-mixed wetting solution.
4. Flood area where the decal will be positioned with wetting solution.
5. Position pre-wetted decal on wetted surface and slide into position.
6. Starting at the center of the decal, "**lightly**" squeegee out the air bubbles and wetting solution with overlapping strokes to the outer edge of the decal. Continue going over the decal surface until all wrinkles are gone and adhesive bonds to the cowl surface.
7. Wipe decal surface with soft paper towel or cloth.
8. **Wait 10 - 15 minutes.**
9. Starting at one corner, "carefully and slowly" pull the masking off the decal surface at a 180° angle.

***NOTE:*** *To remove any remaining bubbles, pierce the decal at one end of the bubble with stick pin and press out the entrapped air or wetting solution with your thumb (moving toward the puncture).*

**WARRANTY:**

Complete a warranty claim listing:

– Outboard serial number

– Decal part number(s)

– One hour (1.0) labor 6-60 HP

– One and one half hour (1.5) labor 75-250 HP

– Flat Rate Code: NJC

– Failure Code: 907-44

US & CANADA: Enter a MIDAS warranty claim or complete and mail a paper warranty claim form. Discard old decal.

INTERNATIONAL: Follow instructions issued by Marine Power International office or by your distributor.



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