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> Instruction Manual for 411 Decals Mercury 90 Outboard Decal Set (1999-2004)

### 411 DECALS 90 (1999-2004)

# Instruction Manual for 411 Decals Mercury 90 Outboard Decal Set

Model: 90 (1999-2004)

## INTRODUCTION

This manual provides detailed instructions for the proper application and care of your 411 Decals Aftermarket Replacement for Mercury 90 (1999-2004) Outboard Decal Set. These decals are designed to be a durable and visually appealing replacement for your outboard motor's original graphics, offering resistance to heat, cold, moisture, oil, and UV rays. Following these guidelines will ensure optimal adhesion and longevity of your new decals.



Image: The complete 411 Decals Aftermarket Replacement for Mercury 90 (1999-2004) Outboard Decal Set.

## SETUP AND SURFACE PREPARATION

Proper surface preparation is critical for the successful application and long-term adhesion of your decals. All surfaces must be thoroughly cleaned of wax, dirt, and any old adhesive residue before applying your vinyl graphics. Failure to do so may result in poor adhesion, otherwise peeling, or lifting.

## Surface Preparation Guidelines:

- **Fiberglass Boats:** Clean surface with acetone or our preferred cleaner – 3M General Purpose Adhesive Remover (which comes in an aerosol spray can). After solvent has evaporated, wipe down area with soapy water (a few drops of hand dishwashing liquid mixed with water in a spray bottle).
- **Plastics and Glass:** Wipe surface clean with a window cleaner. Remove any tape or glue residue with a single edge razor blade or plastic scraper.
- **Painted Metals and Base Metals:** Clean surfaces with a solvent such as Lacquer Thinner. Dry the surface with a lint-free cloth before the solvent evaporates and re-clean with a soapy water solution prior to applying graphic.

Freshly painted surfaces should be dry for at least 72 hours prior to application of the vinyl graphics. Interior Painted Surfaces: Surfaces may be cleaned with any household cleaner or mild soap and water.

**Temperature Requirements:** The temperature of the room and the temperature of the intended surface should be between 45 and 80 degrees Fahrenheit for best results. Very high humidity (above 90 percent) may affect the application process.



### SURFACE PREPARATIONS

available at  
**amazon**

All surfaces must be thoroughly cleaned of wax, dirt and any old adhesive residue before applying your vinyl graphics to ensure proper adhesion, otherwise peeling or lifting may occur. Please read the instructions below for specific material cleaning procedures.

**Fiberglass Boats:** Clean surface with acetone or our preferred cleaner -3M General Purpose Adhesive Remover (which comes in an aerosol spray can). After solvent has evaporated wipe down area with soapy water (a few drops of hand dishwashing liquid mixed with water in a spray bottle).

**Plastics and Glass:** Wipe surface clean with a window cleaner. Remove any tape or glue residue with a single edge razor blade or plastic scraper.

**Painted Metals and Base Metals:** Clean surfaces with a solvent such as Lacquer Thinner. Dry the surface with a lint free cloth before the solvent evaporates and re-clean with a soapy water solution before applying graphic.

*Freshly painted surfaces should be dry for at least 72 hours prior to application of the vinyl graphics. Interior Painted Surfaces: Surfaces may be cleaned with any household cleaner or mild soap and water.*

*Temperature Requirements: The temperature of the room and the temperature of the intended surface should be between 45 and 80 degrees Fahrenheit for best results. Very high humidity (above 90 percent) may effect the application process.*

### APPLICATION

1. You will need masking tape, spray bottle, Joy or dish washing liquid, and a tape measure.
2. Using the masking tape to underline where you want to place the vinyl sign. If you have letters that drop below the line, remove tape in that area.
3. With you spray bottle, mix a solution of 20 drops of Joy, Ivory, etc in one pint of water. Carefully spray the soapy water on the area where you want to place the vinyl.
4. Place the Graphics face down and peel away the waxed paper backing. Then spray the solution on the back of the vinyl sign. Be sure the Graphics is adhering to the application tape (premask).
5. While the area is still very wet, place the Graphics in the selected position. The soapy water allows you to slide Graphics into place. Gently rub palm over Graphics. (The water has no bearing on the adhesion; it is only for positioning the Graphics and removing the air bubbles.)
6. Use the an squeegee ( credit card )to squeeze the water out from under the Graphics. Squeegee in all directions and repeat several times. This process removes air & water from under the Graphics.
7. Let the Graphics dry completely. The amount of time needed to dry depends on the temperature and the humidity. Estimated time: 80 degrees - 30 minutes, 70 degrees - 3 hours, 50 degrees - 4 to 6 hours. These are recommendations ONLY....the Graphics MUST dry prior to the next step. 60 - 70 - 80 degrees are recommended temperatures for post installation.
8. Slowly peel back the pre-mask translucent application tape; the Graphics will adhere to the boat. If the Graphics don't adhere to the boat, you didn't wait long enough for the water to dry behind the Graphics; repeat squeegee process. LET DRY.
9. Now check for any bubbles. If you find any, place a small piece of pre-mask tape over the area; squeeze to the closest edge. If you still have a small bubble you can pop it with a pin. Small bubbles will eventually disappear from the sun over time.

## DECAL APPLICATION

Once the surface is properly prepared, you can proceed with the decal application. This method allows for precise positioning and minimizes air bubbles.

1. You will need masking tape, spray bottle, Joy or dish washing liquid, and a tape measure.
2. Using the masking tape to underline where you want to place the vinyl sign. If you have letters that drop below the line, remove tape in that area.
3. With you spray bottle, mix a solution of 20 drops of Joy, Ivory, etc. in one pint of water. Carefully spray the soapy water on the area where you want to place the vinyl.
4. Place the Graphics face down and peel away the waxed paper backing. Then spray the solution on the back of the vinyl sign. Be sure the Graphics is adhering to the application tape (premask).
5. While the area is still very wet, place the Graphics in the selected position. The soapy water allows you to slide Graphics into place. Gently rub palm over Graphics. (The water has no bearing on the adhesion; it is only for positioning the Graphics and removing the air bubbles.)
6. Use an old credit card or a squeegee to squeeze the water out from under the Graphics. Squeegee in all directions and repeat several times. This process removes air and water from under the Graphics.
7. Let the Graphics dry completely. The amount of time needed to dry depends on the temperature and the humidity. Estimated time: 80 degrees - 30 minutes, 70 degrees - 3 hours, 50 degrees - 4 to 6 hours. These are recommendations ONLY...the Graphics MUST dry prior to the next step. 60 - 70 - 80 degrees are recommended temperatures for post installation.
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**411**  
DECALS

**AFTERMARKET REPLACEMENT DECALS SET  
MADE TO FIT MERCURY OUTBOARDS**



Image: Visual representation of the decal application process.

## CARE AND MAINTENANCE

To ensure the longevity and vibrant appearance of your 411 Decals, follow these care and maintenance guidelines:

- **Cleaning:** Clean the decals with mild soap and water using a soft cloth or sponge. Avoid abrasive cleaners, brushes, or high-pressure washers directly on the decals, as these can damage the laminate and graphics.
- **Chemical Exposure:** While the decals are resistant to oil, prolonged exposure to harsh chemicals, solvents, or petroleum products should be avoided. If contact occurs, clean the area immediately.
- **UV Protection:** The decals are UV resistant, but extreme, continuous sun exposure over many years can eventually lead to fading. Parking in shaded areas or using a boat cover when not in use can help preserve their color.
- **Temperature Extremes:** The decals are designed to withstand various temperatures. However, avoid exposing them to extreme heat sources or freezing conditions immediately after application, as this can affect the curing of the adhesive.

## TROUBLESHOOTING

Here are some common issues you might encounter during or after decal application and how to address them:

- **Bubbles Under the Decal:** Small bubbles are common immediately after application. As mentioned in the application steps, you can gently push them towards the edge with a squeegee. For stubborn small bubbles, a pinprick can release the air, and the bubble should flatten over time, especially with sun exposure.
- **Decal Not Sticking:** If the decal does not adhere properly when peeling back the pre-mask, it likely means the surface was not dry enough or not clean enough. Ensure the surface is completely dry and free of contaminants before re-attempting application.
- **Sticky Residue on Decal Surface:** If a sticky residue remains on the decal face after removing the protective film, try gently cleaning it with a mild soap and water solution. Avoid harsh solvents like isopropyl alcohol or Goo Gone, as these can potentially damage the decal's color or finish. If the issue persists, contact customer support.
- **Decal Peeling at Edges:** This can be caused by improper surface preparation, applying in unsuitable temperatures, or premature exposure to water/elements. Ensure edges are firmly pressed down during application.

## PRODUCT SPECIFICATIONS

Feature	Detail
Brand	411 DECALS
Model Number	90 (1999-2004)
Color	Red
Recommended Uses	Outboard Engine Customization or Restoration
Special Features	Waterproof, Heat Resistant, UV Resistant
Finish Type	Laminated
Item Form	Strip
Reusability	Single Use
Indoor/Outdoor Usage	Outdoor
Package Dimensions	13.82 x 2.91 x 2.87 inches
Item Weight	9.6 ounces

## WARRANTY INFORMATION

Specific warranty details for this product are not provided in the available information. For any concerns regarding product defects or performance, please refer to the seller's return policy or contact the manufacturer directly.

## CUSTOMER SUPPORT

For further assistance, questions, or support regarding your 411 Decals product, please contact the manufacturer, 4.11 Decals, through their official channels or the platform where the product was purchased. Ensure you have your product

details and purchase information ready when contacting support.

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