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**WORLD LEADER IN REMOVABLE HARDTOPS**

**SMOOTHLINE.COM**

## **INSTALLATION INSTRUCTIONS 1994-2004 Mustang Daytona R Hardtop**

You have just purchased the finest Hardtop available on the market today. Skilled craftsmen using the highest quality materials and modern technology have manufactured this product. **For complete satisfaction of your purchase we highly recommend that you read the following simple instructions.** Ascertain that your installer is qualified and insist that he reads and follows the instructions. By following these instructions you will have many years of enjoyment and the top will last as long as your car.

For best results, we recommend that your Hardtop be installed and finished by a professional body shop.

A point to remember, automobiles are mass-produced and built with certain tolerances. Sometimes these tolerances are quite large. No two are alike. A body man is a skilled tradesman; a skill that is not learned overnight. A "well fitting" automobile is a series of adjustments and compromises.

**DO NOT PAINT** until after initial installation and not until you are completely satisfied with the fit. After this initial installation procedure to take on/off will be as easy as placing the convertible top up/down position.

**Included in your shipping carton are parts which are necessary in the final assembly of the Hardtop.**

### **Factory Pre-attached to Hardtop:**

- One pair - Front latch hook/ knob assembly
- One pair - Front locator pin assembly
- One pair – Rear latch hook/ knob assembly

### **To be installed after painting:**

- Roof channel molding (Roll) Plastic
- One pair - "A" post trim moldings Plastic
- One pair- Door window opening trim moldings Plastic
- One pair - Door window seals Rubber
- Rear window- Plexiglas or Glass
- One Pair – Side Quarter Windows Plexiglas

## A. Prior to placing the Hardtop on the car:

1. Lower all windows. Quarter windows shall always remain **down** while Hardtop is installed
2. Lower the convertible top into the normal down position.
3. Clean the top of the windshield frame and rear deck area. Inspect the windshield rubber for excessive wear or damage.
4. Lubricate the bottom of the deck rubber of the Hardtop with a silicone lubricant or Vaseline (Caution: Keep lubricant from the primed surface to be painted).
5. Familiarize yourself with the working of the front and rear latching assemblies. The two front latches hook to the windshield and attach the same way as the convertible latches.
6. The two rear fasteners hook to the convertible mechanism, which is bolted to the car near the convertible pivot point. The Hardtop is secured by turning the black plastic knobs clockwise until snug

## B. Front latches: Open the front latches and place Hardtop on the car

**Locator Sockets Photo**



**Front Latch Attachment Photo**



1. Make sure that the two front locators engage their respective sockets on the windshield frame.
2. Make sure that the top is properly positioned, front and rear as well as centered on the car.
3. Engage and close the front latches.

## Rear Latch Attachment Point Photo



## C .Rear latches:

1. Loosen black knob on "J" hook as much as possible without removing from Hardtop pad. Insert "J" end of hook onto the convertible top frame. The toe of the "J" should face the front of the car.
2. Turn the knobs clockwise to secure the rear of the Hardtop
3. Push down and forward on the rear of the Hardtop while continuing to tighten knobs. **DO NOT** over tighten. Note: There must be a gap between the car body and the Hardtop to avoid

paint abrasion and to relieve pressure when doors are closed.

4 Close each door window and gently close each door to check for any interference between Hardtop, door or window

Depending on the build tolerances of your car the following step may be necessary to accomplish a satisfactory fit of your Hardtop. Check the various gap tolerances on all of the other panels on the car to ascertain what is acceptable

### Front Locator Pin Adjustment

The Hardtop can be adjusted forward, rearward, or side to side. While the Hardtop is on the car, open the front latches and loosen rear latches. (See photo) The locator pin mounting screws are under the upholstery. Loosen both screws on each pin using a Torx T24 screwdriver through the upholstery. (**Do not remove screws**). Push the Hardtop into the desired position. Once satisfied with the fit **retighten all attachment screws**. Relatch front and re-tighten rear latches.



### D. Prep and Painting

Use normal body shop procedures for prepping and sanding surface to be painted. The factory prime coat is water based Urethane, no sealer is necessary, and is compatible with all topcoats. We recommend dry sanding the primer verses wet sanding because of water absorption. **Caution: The factory primed surface must be top coated before being exposed to the weather.** Failure to topcoat over the prime coat can cause blisters or delamination and will void the warranty.

### E. Painting Scheme:

To achieve the retro curved window look we recommend masking and painting the window jam from the outer seam inward flat black color. Do not leave the factory finish primered. The seam will be covered with the side window trim molding after paint color coat.



### F. Roof Channel Moldings:



Place roof plastic moldings into roof channels. Cut and trim ends to fit. Paint molding the color coat when painting Hardtop. Do not install Roof Moldings until after painting to avoid paint bridging. (see left)

## G. Final Installation and Assembly

We highly recommend finishing paint and polishing before installing the following Windows.

## H. Rear & Side Quarter Window Installation

Use normal window installation techniques and procedures for mounting the rear window. We recommend the dam method using a combination of butyl tape and urethane windshield installation adhesive. Clean all surfaces with alcohol before bonding.

**Position window using spacers around perimeter. The outside surface of the window should be slightly below the surface of the hardtop.**



**NOTE Flush Mount Windows Do not use perimeter moldings**

## Tips for Successful Installation of Trim Moldings and Rubber Seals

**Trim Moldings – Clean the surface of the Hardtop with alcohol. Remove a short section of tape protective film. Press firmly for adhesive. Careful use of a heat gun at corners will facilitate installation. Check openings. Adjust the molding to suit. The adhesive does not become a bond for 48 hours to allow for repositioning. When satisfied with the gap/fit use the heat gun while pressing down on the molding to permanently activate adhesion.**

**Rubber Seals – Clean the surface with alcohol. Compress rubber from end to end. Do not stretch.**

### J. Final Installation and Assembly

We also highly recommend finishing paint and polishing before installing the following items.

1. Painted Roof Channel Molding. Follow alcohol wipe, tape removal and heat gun procedures.

2. Install the side window trim molding. Follow above application procedure. Start at the front corner aligning the trim molding and Hardtop while moving rearward and downward. Use heat gun on radius.



3. Install "A" post molding aligning top end with Hardtop window molding. Tuck bottom end behind fender. Follow above procedure. Use heat gun and press firmly for permanent adhesion.



4. Side window rubber seal – After the Hardtop is reinstalled install side window rubber seal. Clean the fiberglass surface with alcohol. Remove the red tape backing from the adhesive starting on the front of the weather seal. Position the front portion of the side window seal tight against the windshield weather seal pocket and against door glass for a perfect fit. With door window in the up position gently close door and check for any interference between hardtop, door or window. A crisp dollar bill can be used to check for proper window seal. Open door with the window in the up position. Place the bill between the window and the seal and close the door. The bill should drag but not rip while pulling it out. Proceed rearward and then proceed downward. Compress rubber – Do not stretch. Check the entire length of the seal. The adhesive does not become a permanent bond for 48 hours to allow for repositioning. After water test and road test for wind noise set adhesive with heat gun while pressing firmly into position.

**Note!** Initially when raising the window it may follow the wrong track in the rubber until the rubber seal takes a permanent set from the window. Make sure that the rubber is properly lubricated with silicone based wax or Vaseline. To avoid this, push outward on the window while it is raising. When the car is not in use, always leave the windows in the up position then close the doors to facilitate the set.



#### K. Rear Window Defogger (Upgrade) :

1. Before lowering the convertible top find the Ford defogger electrical wire located on each side of the rear window.
2. Unplug wires from window terminals. Depress the bottom half of the plug and pull down.
3. Plug wire extensions into factory wires. Lay wire extensions on rear seat back.
4. Lower convertible top and install hardtop.
5. Plug opposite end of wire extensions into Hardtop window terminals.

#### L. Maintenance of the Hardtop:

1. Periodically check the tightness of all the latches, especially the front locator pins.
2. Side door window seal molding may be lubricated with a silicone base wax or Vaseline for easy winding of the windows. Similar lubrication may be used on the deck rubber seal if squeaking occurs.
3. If painted, keep surface waxed to preserve the gloss finish. On vinyl tops, clean periodically with a vinyl cleaner and coat with a vinyl top sealer.
4. The fixed side quarter windows and possibly the rear window is Plexiglas. **Caution should be exercised to prevent scratching. Don't wipe when dry.** Clean with water and mild soap using a sponge or soft cloth. Dry with a chamois. Keep dirty rags away from the window. A Plastic wax such as "Mirror Glaze" can be used to wax the window.

**Warranty:** All Smooth Line Hardtops are warranted to be free from defects in material or workmanship and are warranted for one (1) year from date of purchase. Smooth Line will, at its discretion, repair or replace at its factory, without cost, any part that fails in service, upon our inspection, within the warranty period. The warranty does not cover freight, labor, failure of related components or failure resulting from alteration, misuse, accident damage, faulty installation, color coating, or faulty repair. For warranty service for a Hardtop purchased from a distributor you must make all arrangements through that distributor. If purchased directly from Smooth Line contact Smooth Line sales department. Warranty for all components must be supported by the proper registration documentation including the original shipping invoice. At no time are Smooth Line Hardtops returnable for credit or refund for any reason.

**Returned Goods:** Written authorization must be obtained from Smooth Line and the distributor before merchandise may be returned for warranty service. All merchandise must be properly packaged in non damaged condition. An itemized packing slip, showing invoice number and date, with full explanation of reason for return must be included. All returns must be sent freight prepaid. All costs relative to a return are not reimbursable.

**Freight Damage:** Smooth Line products are carefully packaged by professionals. Delivery in good condition is the responsibility of the carrier. All shipments are insured. Upon receiving your merchandise, while in the presents of the delivery driver, before signing, carefully inspect carton for damage or rough handling. If apparent, open package and inspect merchandise. If damaged, refuse shipment, have driver note damaged on bill of lading. Call Smooth Line after driver leaves with the shipment.

The above terms and conditions pertain to all orders and will be strictly applied.

## **WARNING**

This product is designed to enhance the appearance of the vehicle and to shield the occupants from ordinary weather conditions. Do not rely in any way on the components of this product to contain occupants within the vehicle, or to protect against injury or death in the event of an accident. This product will not protect the occupants from falling objects.

**WEAR SEAT BELTS AT ALL TIMES.**