

# **UNIVERSAL HIDDEN HINGES**

Designed for hiding hinges or creating suicide doors.

Please read and follow this installation guide. If you have any questions, call toll free 1-888-539-6295.

## **Step #1**

Hold the hinge assembly up to the door jamb section of the body. Pick a location that is the approximate middle of door from top to bottom. **IMPORTANT** Keep the hinge assembly as close to the outer door skin as possible. The edge of the hinge square should be just up against the step in the door jamb post. Applications will vary, but as a reference, there should be a maximum of 1/4" to 3/8" distance from the outer door skin to the edge of square cut out. See the figure below paying close attention to the location of the square cut outs. The same concept applies for regular opening doors.

**IMPORTANT** In order to have the door open level, the hinge assembly should be perpendicular to the ground. In some cases, the top hinge may be at a different distance from the outer door skin than the bottom hinge.

## **Side View of Door Jamb Section of the Body**



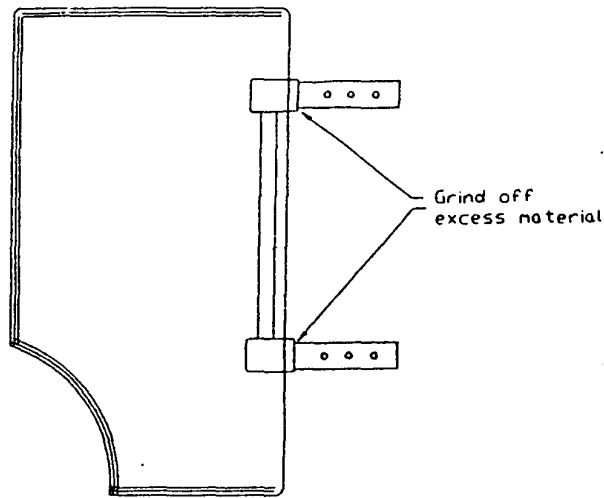
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Hold hinge assembly to door jamb and cut out square holes as shown.

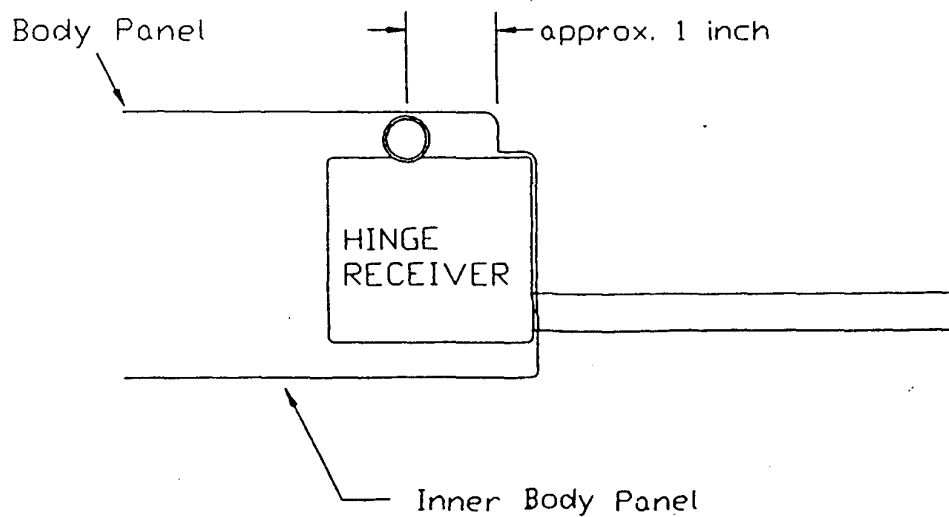
### Step #2

Bring the hinge assembly inside the vehicle and match the square holes with the square hinge tubing. Slide the assembly forward until the pivot pin is approximately one inch from the door jamb section of the body. This is a very critical step. This location of the pivot pin allows the door to push away from the body as the door swings back. See diagrams below.

### Inside View of hinge Assembly Placement (Suicide door shown.)



### Top View of Hinge Placement



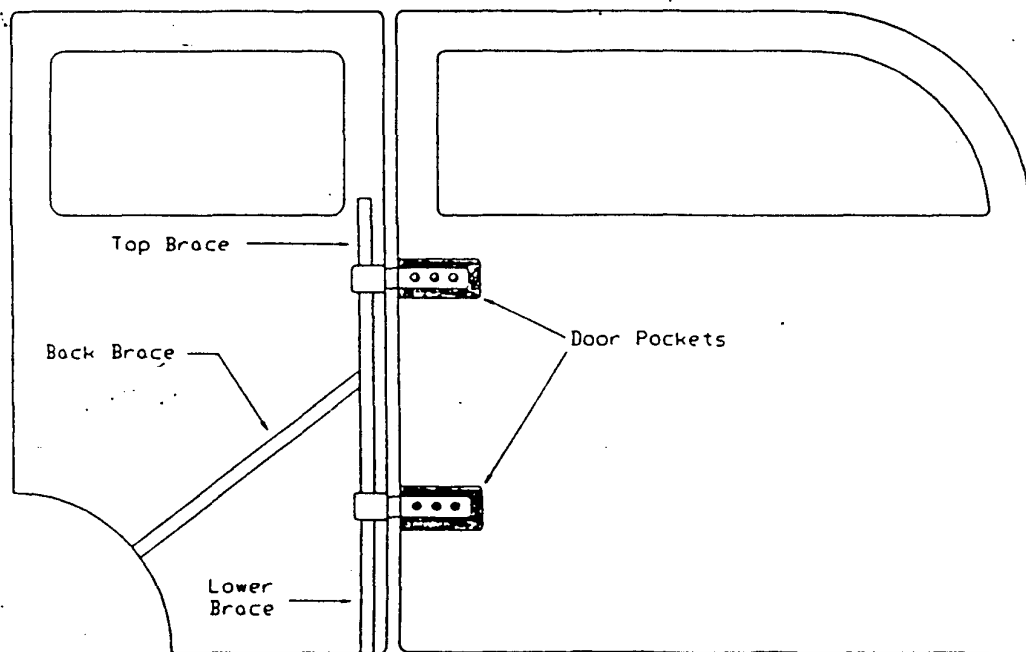
**IMPORTANT** Notice on the last diagram, the pivot point rests on the outer door skin and is kept back approx. 1" from the door jamb. These two placements are critical. If this placement is not possible in your situation, locate the hinge as close to it as possible.

### Step # 3

Follow the general setup shown below to brace the hinge assembly and attach the door. **IMPORTANT** At this point, the hinge assembly should merely be tacked in place until the door can be checked for proper operation.

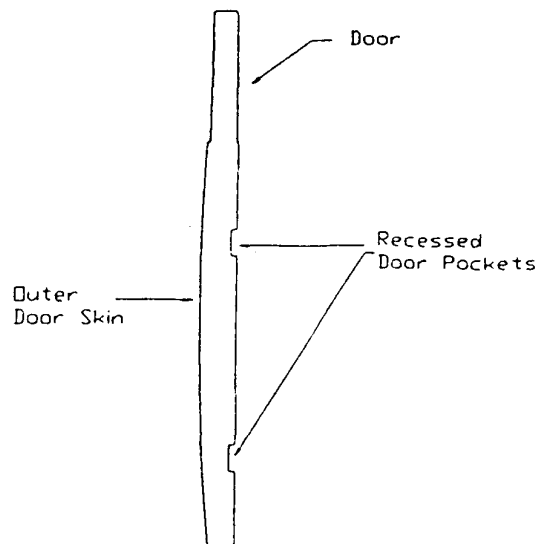
The swing arms will protrude from the door jamb into the door in a way that may not be flush with the inner door skin. This requires building recessed door pockets to match the swing arms to the door skin. Hold the door up to the body and determine the location of the recessed pocket. Material has been included to build the recessed pockets. They have been pre-bent in a way that some of the work is already done for you. A loose piece is provided for the depth, depending on your application. See diagrams.

### General Setup for Bracing and Door Pockets



(Bracing is included.)

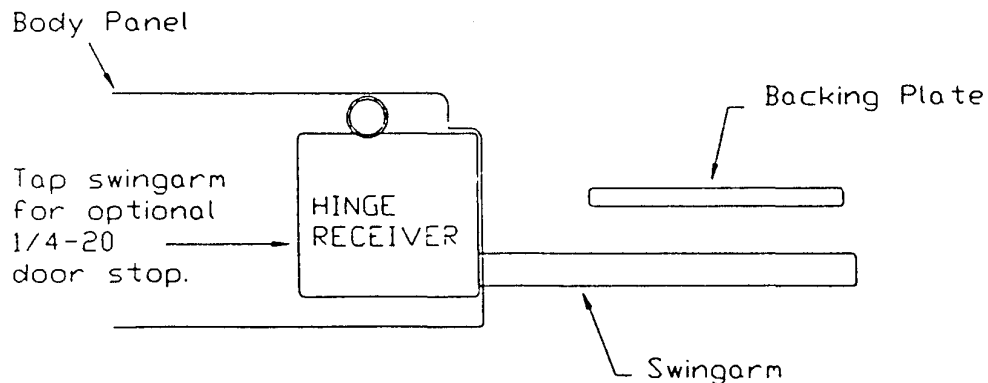
### Side View of Recessed Door Pockets



**IMPORTANT** Tac-weld the door to the body with the desired door gap before attaching the swing arm to the inner door skin. After door has been temporarily attached, push the swing arm up to the inner door skin from inside the vehicle. At this point, mark the holes to be drilled for mounting the door. Slightly over size the mounting holes to allow for future adjustment. Cut door loose and check swing.

Note that in some applications, the backing plate location can be switched to the interior side. See diagram below for further reference on hinge mounting.

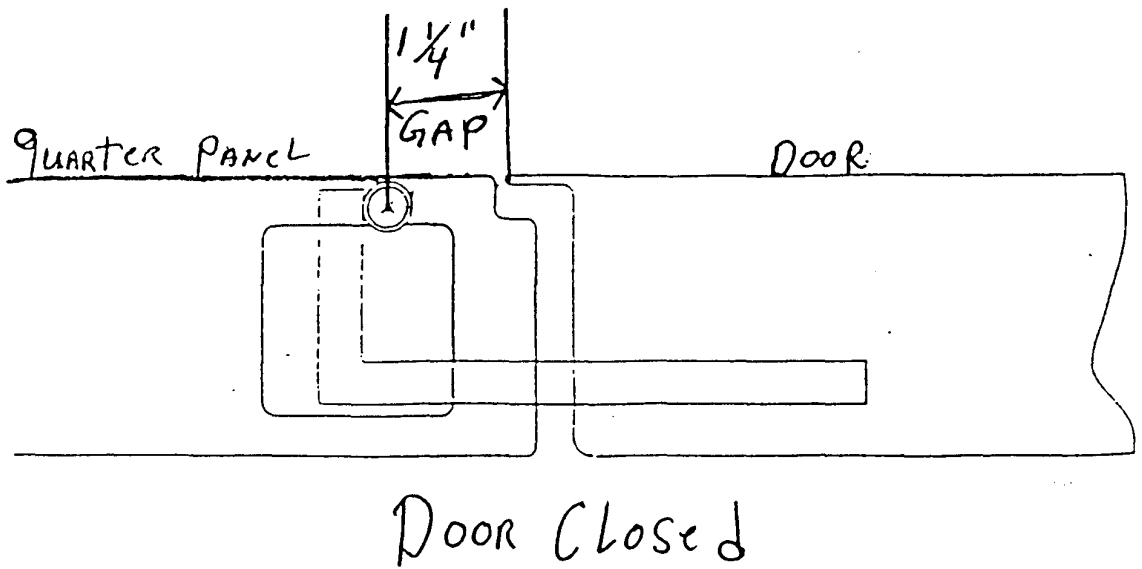
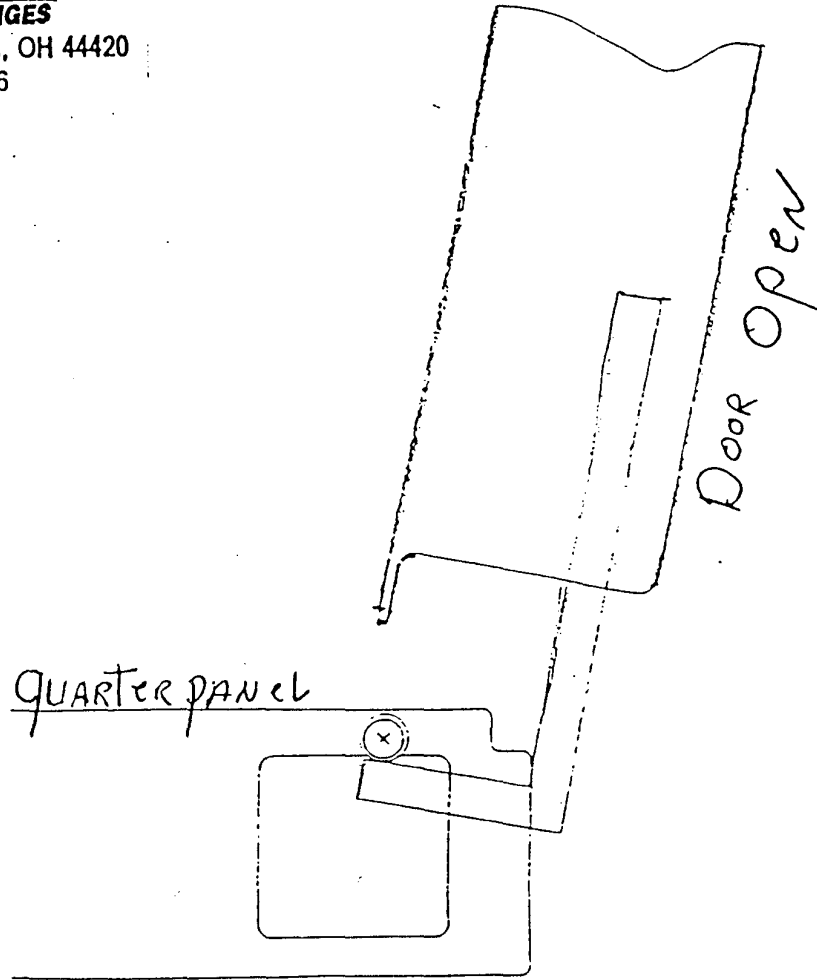
### Top View of Hinge in the Mounted Location

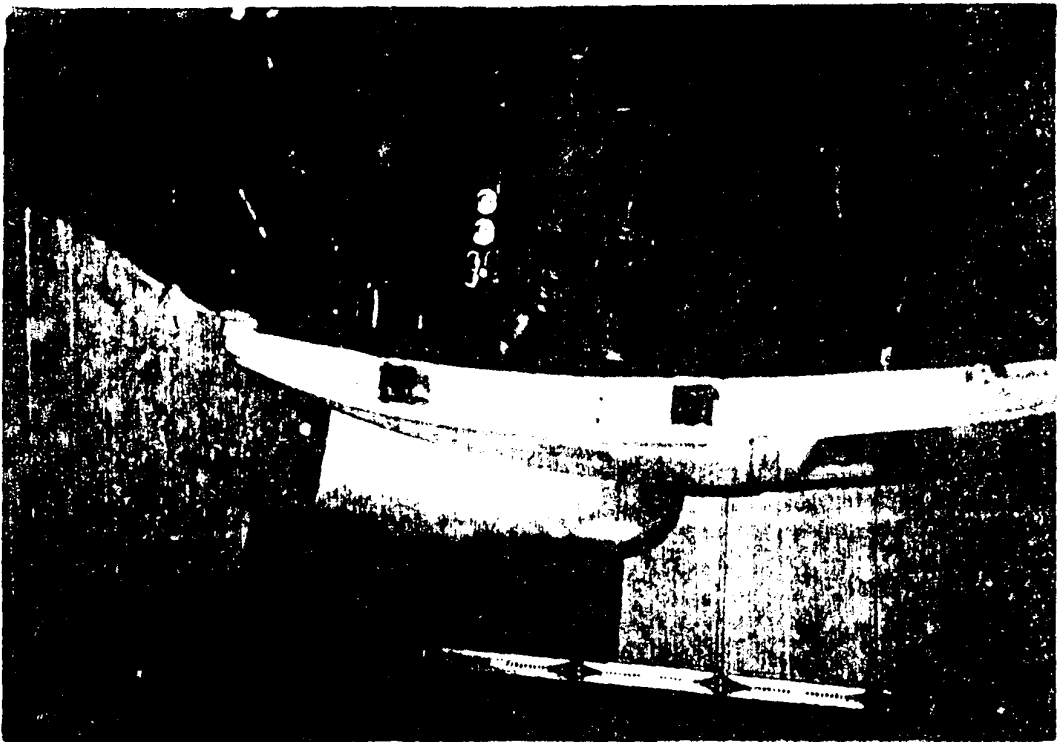
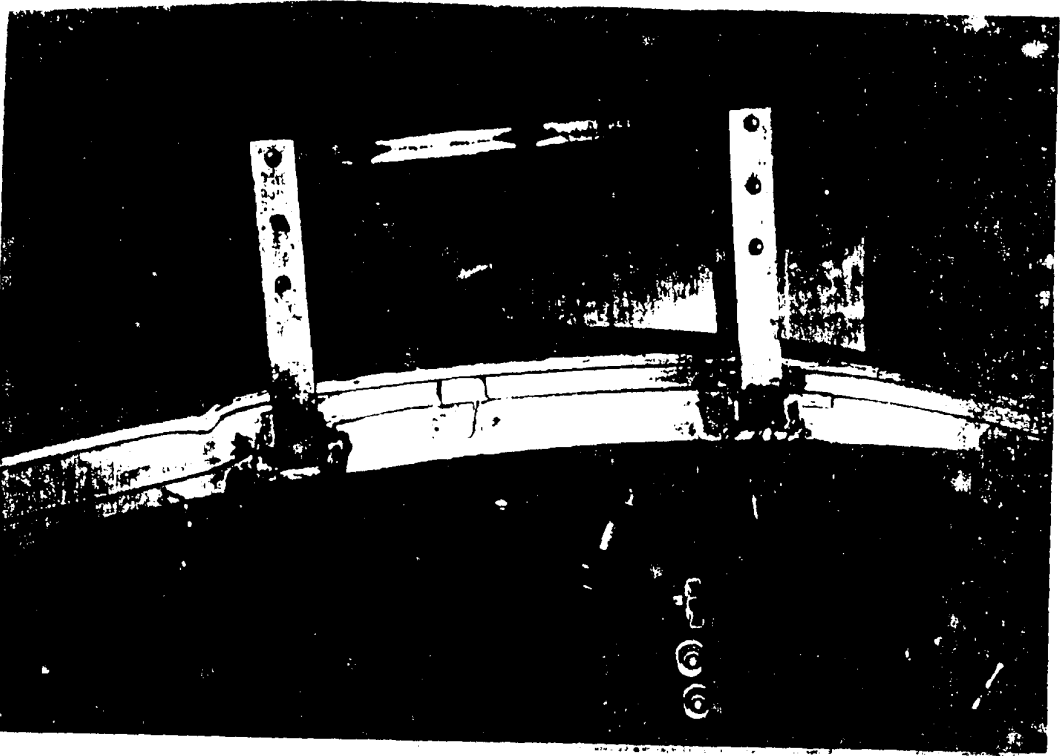


Perform final welding after door has been checked for proper operation.



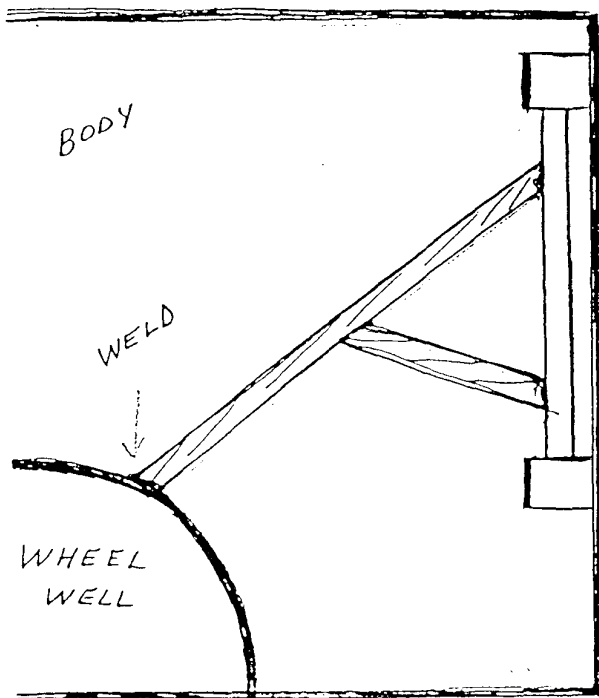
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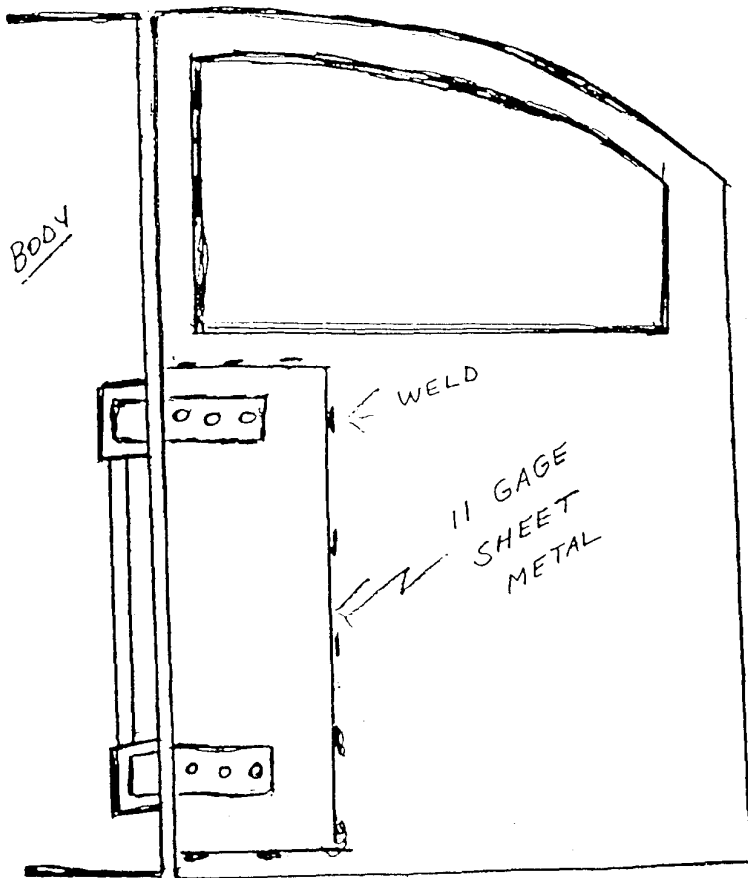
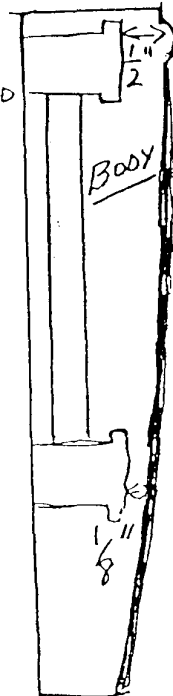


40 Ford 2 Door Sedan

# 34 FORD 5 WINDOW



THIS WILL NOT  
BE PLUMB  
ABOUT  $\frac{1}{2}$ "  
OUT OF  
PLUMB BOARD  $\rightarrow$



11 GAGE  
SHEET  
METAL

SHIM  
BEHIND HINGE  
TO BRING  
DOOR IN IF  
NEEDED



HOLE FOR  
HINGE ARM



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1720 Wilson Avenue  
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- \*\* MERCHANDISE IS NOT ELIGIBLE FOR RETURN IF AN ATTEMPT AS BEEN MADE TO INSTALL THE RETURNED MERCHANDISE
- \*\* YOU MUST PROVIDE A COPY OF YOUR INVOICE AND INSTRUCTIONS ON WHAT YOU WOULD LIKE DONE WITH RETURN (i.e., REFUND, EXCHANGE, IN STORE CREDIT, ETC.)
- \*\* RETURNED ITEMS MUST BE SHIPPED PREPAID. WE WILL NOT ACCEPT ANY C.O.D. RETURNS
- \*\* SPECIAL ORDER ITEMS ARE NOT RETURNABLE
- \*\* ALL ITEMS "ACCEPTED" FOR RETURN ARE SUBJECT TO A 15% RESTOCKING CHARGE
- \*\* DO NOT RETURN ITEMS TO SHOWS. ALL RETURNS MUST BE PROCESSED THROUGH OUR SHOP.
- \*\* THERE WILL BE A \$25.00 CHARGE ON ALL RETURNED CHECKS