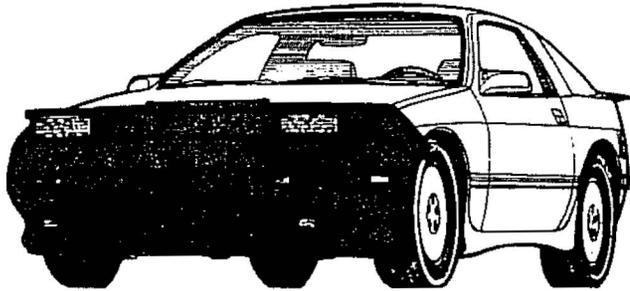




# OWNER'S MANUAL FOR COLGAN AUTO BRAS



Congratulations on your purchase of a Colgan auto bra, the finest automotive nose-mask available. Colgan Custom Mfg. is the original auto bra maker, introducing the custom fitted bra to the public in 1961. We have designed and are producing over 1,000 different car, truck, van and sport utility bra and mirror cover patterns, each matched to a specific vehicle's make and model year.

**CAUTION:** Read the entire manual and all installation instructions carefully before installing your auto bra.

## INSTALLING THE HOOD SECTION

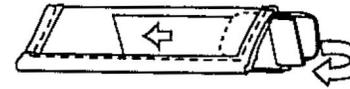


figure 1

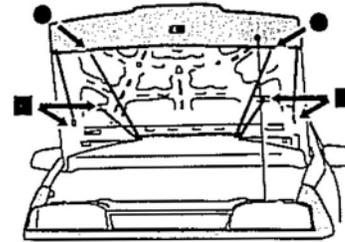


figure 2

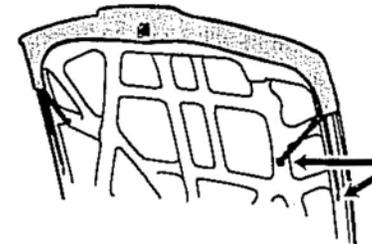


figure 3

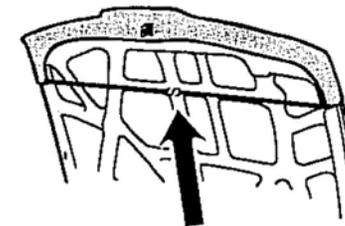


figure 4

- 1.1 If you see 2 or more black plastic strips in the bag that held these instructions, insert each into a pocket of the air deflector and tuck the vinyl flap over the end as shown in figure 1.
- 1.2 If your bra does not have a separate hood piece, look for a second piece of vinyl sewn to the back of the bra. Perform steps 1.3 & 1.4 only if your one-piece bra has a hood pocket, then close your hood securely and go to "INSTALLING THE BODY SECTION."
- 1.3 Open the hood. Insert hood prop if necessary.
- 1.4 Insert one corner of the hood 2" into the hood pocket, then insert the other corner 2" into the hood pocket. Advance alternate sides in 2" increments until the front seam of the hood pocket is snug against the leading edge of the hood. Make certain that neither the hood latch nor the hood release lever is covered by the bra material.
- 1.5 If you have a "T" style hood section, wrap the trailing portion of the hood piece over the rear edge of the hood. If there are only two straps, secure the s-hooks to the webbing loops on the underside of the hood piece as shown at ● in figure 2. If there are more than two straps, stretch the straps in the direction in which they are sewn and attach the s-hook to the opening in the underside of the hood as shown at ■ in figure 2.
- 1.6 Stretch the hood section's straps in the direction in which they are sewn and attach the s-hook to the opening in the underside of the hood as shown in figure 3. If the straps are sewn so that they point directly across the underside of the hood and/or an s-hook is present on only one strap, that hook will catch the elastic or webbing loop on the opposite strap or opposite side as shown in figure 4.

## INSTALLING THE BODY SECTION

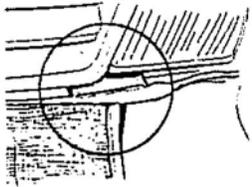


figure 5

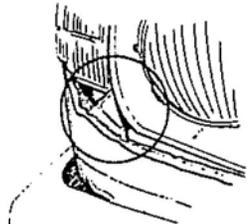


figure 6

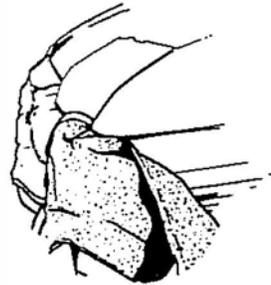


figure 7

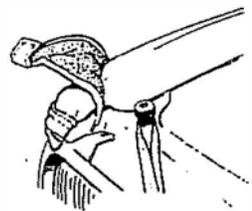


figure 8

- 2.1 Before performing steps 2.2 & 2.3, check the back of your bra for mounting tabs (vinyl- or cloth-covered ABS plastic that keep the bra snug against the vehicle and are usually found at the bra's major seams or at its edges.) Mounting tabs will align with spaces above, below, or at the sides of the grille, the headlights, the turn signals, or the driving lights. Do not install them yet!
- 2.2 Fit license plate opening behind license plate/ license plate bracket. The plate usually slips through the plate opening like a button slips through a button hole. If the plate is surrounded by the bra on only 3 sides, the opening slips around the plate like a yoke and is held in place using two straps/hooks that stretch in the direction they are sewn. The hooks most often attach to the grille of the air intake but will on rare occasions attach to each other.
- 2.3 If step 2.1 revealed the presence of mounting tabs, insert them into the appropriate spaces. See figures 5 & 6 for examples. If yours is a one-piece bra, skip to step 2.5.
- 2.4 Engine compartment connection components are used to keep the body section of multi-piece applications snug and secure. These components are usually some combination of the following: fender corner pocket or mounting tab, elastic strap/s-hook or chassis clip or elastic loop. Determine which of these is applicable to your installation.
- 2.5 Fender corner pockets slide around the forward point of the fender like a hand slides into a mitten as shown in figures 7 & 8.

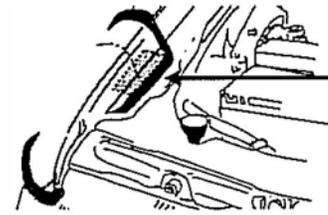


figure 9

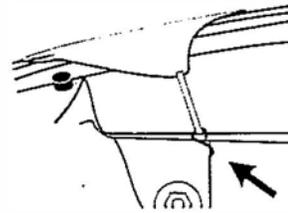


figure 10



figure 11

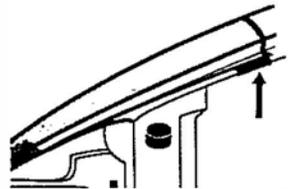


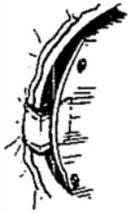
figure 12



figure 13

- 2.6 Fender corner and engine compartment mounting tabs usually insert (in a downward and slightly outboard direction) into an opening in the engine compartment at or just behind the forward point of the fender as shown in figure 9.
- 2.7 Elastic strap/s-hooks will attach to an opening in the engine compartment sheet-metal or to the hood's height adjustment post as shown in figures 10 & 11, or to the rolled edge of the sheetmetal crossmember that traverses the distance between the fenders.
- 2.8 Elastic loops always attach to the hood's height adjustment post as shown in figure 11.
- 2.9 Chassis clips attach to the sheetmetal of the fender at the junction of the fender and engine compartment sheetmetal or on a diagonal of the sheetmetal crossmember that traverses the distance between the fenders as shown in figure 12.
- 2.10 Felt covered hooks must be bent into the correct shape to maximize their grip at various attachment points. Use pliers to achieve a sharp, straight crease across the body of the hook so that the creases are parallel to—and tightly hug—the edges of the attachment point. These hooks must be bent into one of the following shapes as determined below: the flat-bottomed U shape, the right-angled L shape, and (less commonly) the tight-radiused V shape.
- 2.11 Attach the wheel well hooks. Begin with the uppermost hook in each wheel well and bend to the appropriate shape as determined in the following steps. If you have a one-piece unit, attach the rubber-coated top strap hook by grasping the bra material and the hook and stretching both to the wheel well on each side. The hook must pinch the material against the fender as shown in figure 13.

figure 14



2.12 Look to see if your vehicle has an uncountoured wheel well liner that overlaps the fender's sheetmetal as shown in figure 14. If so, the felt covered hooks that attach into your vehicle's wheel well must be bent into an L shape and inserted between the fender sheet-metal and the liner so that the hook's crease rests against the sheetmetal of the fender/wheel well (figure 14). During the first installation you may need the included black plastic shim/slat to create enough space to get the hook started as it slides into position.

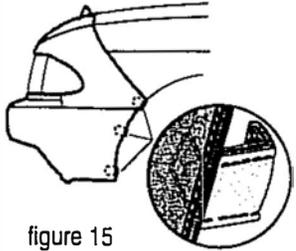


figure 15

2.13 In most cases the wheel well hooks must be bent into the flat-bottomed U shape as shown in figure 15, with the distance between creases determined by the depth of the rolled edge of your vehicle's fender.

2.14 Once the uppermost hook is secured, attach the next highest hook on each side, alternating sides and working down until all wheel well hooks are bent and attached.

2.15 Bend and attach the hooks across the bottom of the valance panel.

2.16 Secure all s-hooks and/or bend and attach felt covered hooks into lower air intake as appropriate. These usually attach to either the rear edge of the molding that forms the air intake or to the vertical intake grille supports as they meet the air intake's edge.

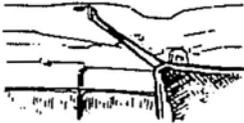


figure 16

2.17 Secure the screen over the radiator grille by attaching the s-hook to the opening in the sheetmetal crossmember that traverses the space between the fenders as shown in figure 16, or loop the elastic loop over the hood's height adjustment post as shown in figure 17.

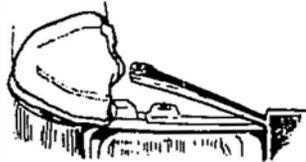


figure 17

2.18 Double Check to ensure that all hooks, elastic loops, felt covered hooks and mounting tabs are securely attached to the vehicle. Failure to secure all connection components will void your warranty and may result in damage to your vehicle.

## INSTALLING RETRACTABLE HEADLIGHT COVERS

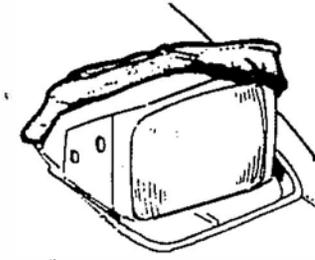


figure 18

3.1 We provide some type of cover for most vehicles with retractable headlights. Only one type of headlight cover will work on a particular vehicle. Headlights must usually be in the up position when installing the forward portion of the headlight cover. If the headlight cover for your car is elasticized around its edges, see step 3.2. If your headlight cover has mounting tabs, go to step 3.3. If you have a one-piece bra, see step 3.4 for information on headlight flaps.

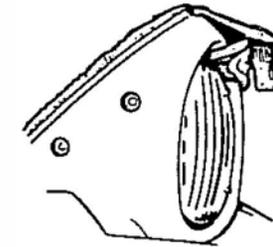


figure 19

3.2 Stretch the elastic of the "shower cap" cover over the rear edge and the corners of the headlight unit. Making sure that the vinyl fully overlaps the rolled sheetmetal edges to allow free movement of the headlight door, stretch the cover over the front edge and corners as shown in figure 18. Be sure the headlight's face is exposed. When properly installed, the headlights will raise and lower without interfering with the normal movement of the headlights, and the headlight covers will not shift from their original position.

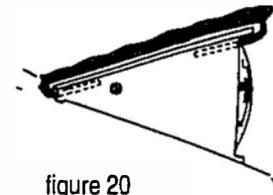


figure 20

3.3 Insert the forward mounting tab(s) into the space between the headlight and the sheetmetal, the headlight and the bezel, or between the sheetmetal and bezel as shown in figures 19 & 20. Lower the headlights and stretch the material so that the material can be wrapped over the trailing edge of the headlight door. The rear mounting tab inserts into the space behind the headlight as shown in figure 20. When correctly installed, the headlights can be raised or lowered without interfering with the normal movement of the headlights and without affecting the tension of the vinyl as it stretches over the headlight door.

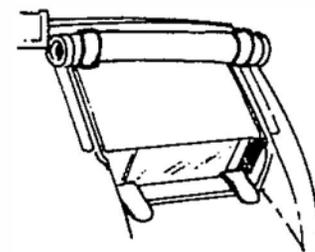


figure 21

3.4 You must roll and secure headlight flaps as shown in figure 21 before switching on your headlights. Roll the flaps under—so that the