

**PART# 8015, 8017, 8037, 8038****05-08 MUSTANG CAT-BACK SIDE EXHAUST SYSTEM****Notice: Altered Parts are Non-Refundable****Note: The side exhaust system must be installed before the side skirts.****Note: Do not tighten exhaust clamps or brackets until installation is complete.****Note: The side skirts must be installed before the exhaust tip installation.**

**Note V-6 Mustang Only:** Comes with a replacement X-pipe (Part # 7083). Follow the Installation Instructions that come with the X-Pipe.

Install the two Cervini's mufflers into the X-pipe using the factory hardware **as shown in fig A.** ( For the V6 you will need to purchase a muffler clamp, Ford OEM # 4R3Z5A231AA.) There are two long L-braces and two short L braces, install them to the under side of the car where there are threaded holes in the floor using the supplied bolts and washers **as shown in fig B.** and **fig C.** Install the two bolt band clamps to the other side of the mufflers, slide the bent pipes into the mufflers and attach them to the L braces previously installed using the blue bushings, bolts, and lock nuts in the hardware packet. (With the hanger braces on the pipe facing up you can distinguish left from right.) With the exhaust system in place you can notice the emergency brake cables are touching the exhaust pipes, use the black zip ties to secure them to the lower control arm **as shown in fig D.** The exhaust tips can be installed after the side skirts have been installed. Slide the one bolt band clamp over the tail pipe and then install the exhaust tip through the side skirt opening and into the tail pipe. Exhaust tips must be centered ¼" past the outer edge of the side skirt opening. Failure to do so may cause damage to the side skirt. With the exhaust tip in position, tighten all clamps with an impact gun. Hand tighten all remaining nuts and bolts. Most of the adjustment for centering the exhaust tips is in the short L brace, if centering the the exhaust tip can not be achieved with this L brace you will need to loosen the two bolt band clams on the front or the rear of the muffler and slide the pipes in or out to get more adjustment.

**CONVERTIBLE**

PART #8017, #8038		
QTY	DESCRIPTION	HARDWARE #
2	MUFFLERS	PYP-MVR200S-SP
1	DRIVERS SIDE TAIL PIPE	PYP-SFM500S
1	PASSENGER SIDE TAIL PIPE	PYP-SFM500S
2	2 BOLT, 2-1/2" BAND CLAMPS	PYP-TT250S
2	1 BOLT, 2-1/2" BAND CLAMPS	PYP-SSC2620
1	PARTS BAG	
4	BLACK ZIP TIES	70215K53
1	DRIVERS SIDE EXHAUST TIP	PYP-EVT500
1	PASSENGER SIDE EXHAUST TIP	PYP-EVT500
2	RIVET STUDS	98075A159
2	HEX CAP SCREWS	91251A622
4	HEX NUTS	94831A031
2	BRACES	TMC-001

**COUPE**

PART #8015, #8037		
QTY	DESCRIPTION	HARDWARE #
2	MUFFLERS	PYP-MVR200S-SP
1	DRIVERS SIDE TAIL PIPE	PYP-SFM500S
1	PASSENGER SIDE TAIL PIPE	PYP-SFM500S
2	2 BOLT, 2-1/2" BAND CLAMPS	PYP-TT250S
2	1 BOLT, 2-1/2" BAND CLAMPS	PYP-SSC2620
1	PARTS BAG	
4	BLACK ZIP TIES	70215K53
1	DRIVERS SIDE EXHAUST TIP	PYP-EVT500
1	PASSENGER SIDE EXHAUST TIP	PYP-EVT500


**PART # 1166,1170,1171,1172,1174,1175,1176, 1178 & 1182****05-09 MUSTANG HOODS**

**Notice: Prefit Before Painting!  
Painted or Altered Parts are Non-Refundable**

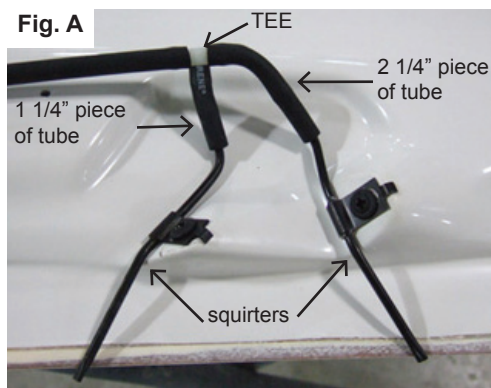
- STEP 1: Remove the striker bar from the factory hood and install it with Locktite® to your new hood
- STEP 2: Adjust hood until proper alignment with matching panels is achieved.
- STEP 3: Adjust primary latch until the striker bar fits into the latch. Make sure when the hood is closed you can hear the striker bar “click” into the latch.
- STEP 4: After you here it click, test it to be sure it's working properly by grabbing the front edge of the hood and slowly pulling upward with a steady even pressure. If the hood opens it's not adjusted properly; repeat STEP 3 until hood cannot be pulled open after it's closed.

**WARNING: MAKE SURE THE SAFETY CATCH IS WORKING PROPERLY!**

- STEP 5: To ensure the safety catch is working properly, close the hood, pull the hood release from inside the car and the hood will partially open. Slowly pull upward on the hood and jiggle it at the same time. If it opens without pulling the safety catch lever then the latch needs to be readjusted. The safety catch prevents the hood from opening in the event the primary latch fails.

- STEP 6: Locate the hood stoppers  located on the radiator support. Adjust upward until they apply a small amount of pressure to the underside of the hood when it is closed. This will prevent the hood from shaking or rocking. Install squirters as shown in Fig. A. (You may need to bend the squirters into position.)

- STEP 7: After all adjustments have been made, apply loctite to the bolts that secure the latch bar to the hood. Reinstall the weather striping on the rear of the hood. You will need to cut it so that it does not cross over top of the squirters. Then run the squierter hose thorough the weather striping.



PART #1171		
QTY	DESCRIPTION	HARDWARE #
2	SCREEN	E
6	FLAT-HEAD PHILLIPS SCREWS	10947-01704
2	SQUIRTERS	BER001
1	TEE	WE2426
1	14" RUBBER TUBING	51075K24

PART #1166,1170,1172,1174,1175,1176,1178 & 1182		
QTY	DESCRIPTION	HARDWARE #
2	FLAT-HEAD PHILLIPS SCREWS	10947-01704
2	SQUIRTERS	BER001
1	TEE	WE2426
1	14" RUBBER TUBING	51075K24



## PART #2227

### 05-09 MUSTANG DUCKTAIL WING

**Notice: Prefit Before Painting! Install new, unpainted parts according to these instructions. Then remove parts, paint them and re-install.**

**Painted or Altered Parts are Non-Refundable!**

**The surface that is in contact with the 3M 2-sided tape must be cleaned with isopropyl alcohol & the temperature must be a minimum of 75 degrees F, before applying! Allow the 2-sided tape to dry 24 hours before driving.**

**Pre-fitting the trunk and quarter extensions:** If you have a factory trunk wing, it will need to be removed. This wing will cover the holes in the trunk. Hold the trunk extension in place and check the alignment from the left to the right. Remove the trunk extension and hold in place the quarter extensions, check the alignment with the quarter panel and the rear bumper.

**Step 1, installing the trunk wing:** Use the supplied template to locate where the holes need to be drilled. Line up the template with the side & both edges of the trunk and factory wing holes as shown in **fig A**. Tape the template in place. Drill a 1/4" hole in the indicated locations. Flip the template to the other side of the trunk and repeat. Included in the hardware packet are two rolls and six squares of 3m double sided tape. After the trunk extension has been painted, install the 2x2" squares of 3M double sided tape in each corner as shown in **fig B and fig C**. Install the 3m double sided tape along the guidelines an 1/8" away from the outer edge and along the brake light opening as shown in **fig B**. Peel and fold about 2" of the red backing from the ends of each piece of tape, also fold the backing from each square of tape. Then place the trunk extension on the trunk so that the backing is exposed and can be pulled (this will allow you to get the best alignment of the part). Pull the backing slowly. After all the backing is removed, firmly press the edges of the extension to securely adhere the tape. Open the trunk and install the screws in the front of the trunk extensions.

**Step 2, installing the quarter extensions:** After the quarter extensions have been painted, add the same as above here as shown in **fig D**. install the 3M double sided tape along the guidelines an 1/8" away from the outer edge as shown in **fig D**. Peel and fold about 2" of the red backing from each piece of tape, also fold the backing from each square of the tape.

#### URETHANE PAINTING INSTRUCTIONS

**VERY IMPORTANT: The following painting procedures MUST be followed EXACTLY for PROPER ADHESION and to prevent fish eyes.**

1. To remove any mold release contaminants, clean the back of the part first. Using 2 new clean rags, saturate the first rag with plastic prep cleaner\* and begin cleaning. Then use the second rag to remove the prep cleaner. Continuously fold both rags to their clean sides during the process. Use 3 sets of new rags throughout the process. This prevents mold release contaminants from transferring to the painted surface.
2. Repeat step one on the front of the part.
3. Rinse the part with water. Apply a generous amount of Ajax® or sand fix\* to a red scuff pad\* (3M Scotch Brite Brand) and scrub the surface to be painted THOROUGHLY (especially where the 2-sided tape is installed, on the back side of the part, and all the hard to reach areas). Then rinse with water and dry. The scrubbed surface should be dull. If any shiny spots show, repeat the process on those areas.
4. Using another set of clean new rags, again clean the surface to be painted with plastic prep cleaner.
5. Spray the surface to be painted with adhesion promoter\* including the areas where the 2-sided tape is installed (follow the instructions on the can for application and drying time).
6. Apply 3 to 4 coats of urethane primer\* with flex additive\* (follow the instructions on the can for application and drying time).
7. Wet sand primer with 600 grit sandpaper. Be careful not to sand through the primer. If you do, you MUST clean those areas with plastic prep cleaner, apply adhesion promoter and prime. Once the primer has dried, wet sand the areas that were touched up. Your surface is now ready for paint.

\* These items can be purchased at any auto body supply store.

**Note: Make sure you PRIME and PAINT the areas where the 2-sided tape is used as you would if it was the finished sided of the part. The tape adheres best when it is applied to a painted surface.**



PART #2227		
QTY	DESCRIPTION	HARDWARE #
1	ROLL OF 2-SIDED TAPE	VHB 230
1	ROLL OF 2-SIDED TAPE 30"	NOR-05620
12	FLATHEAD PHILLIPS	10947-01704
6	2X2 SQUARE 2-SIDED TAPE	VHB 2X2

PART #2227

FIG B.



FIG C.



FIG D.

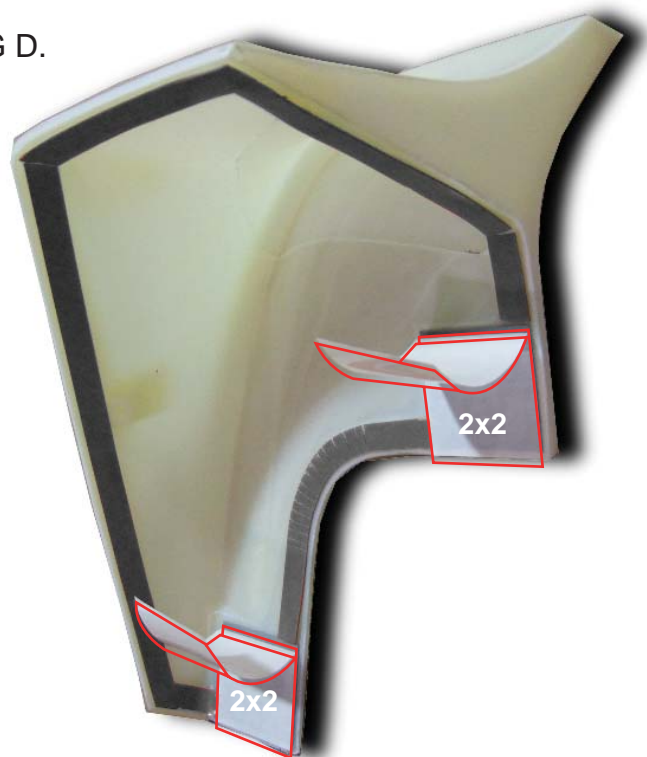




Fig. A

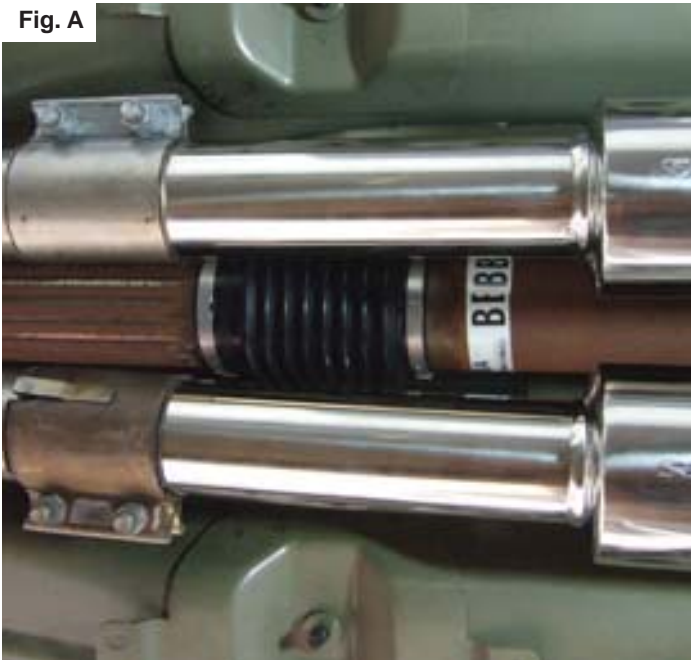


Fig. B

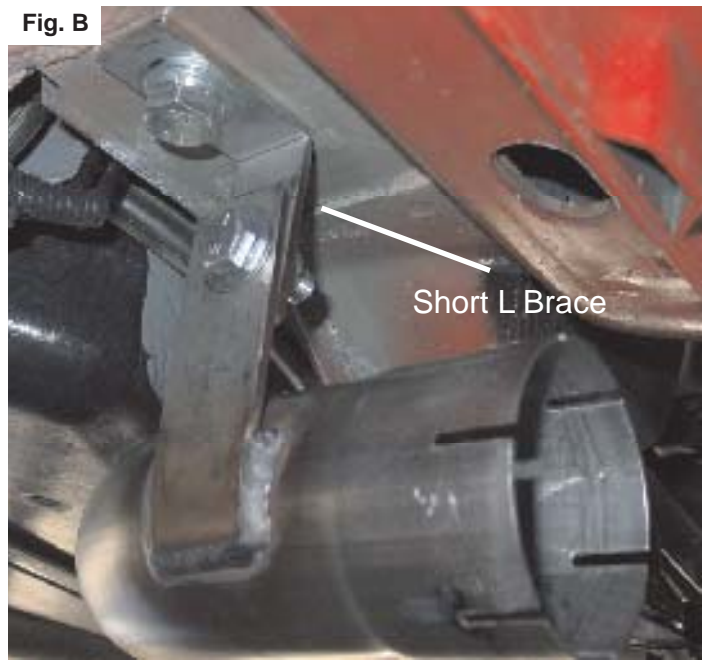


Fig. C

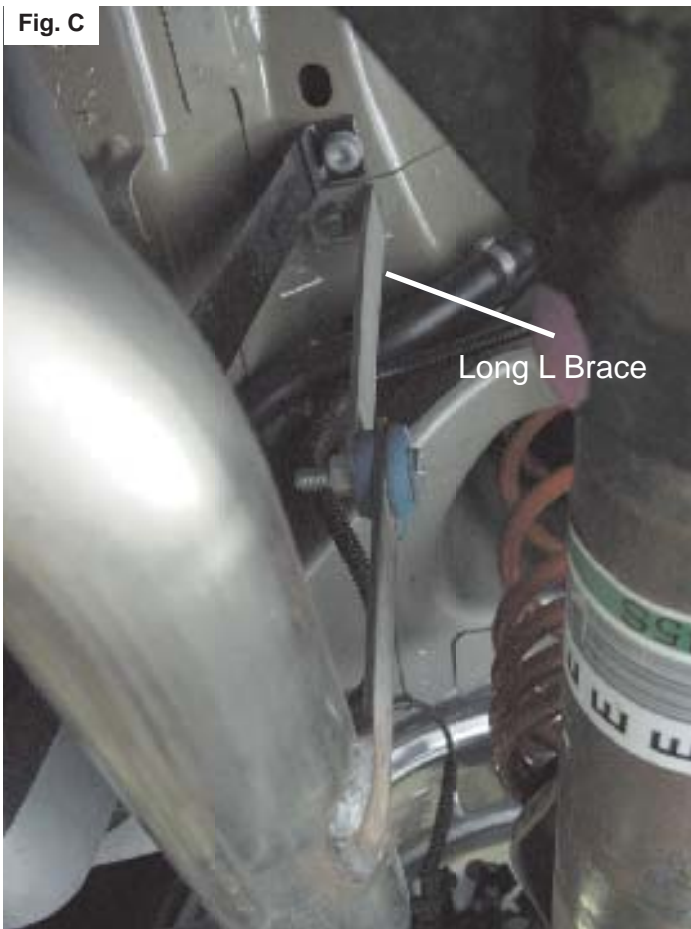
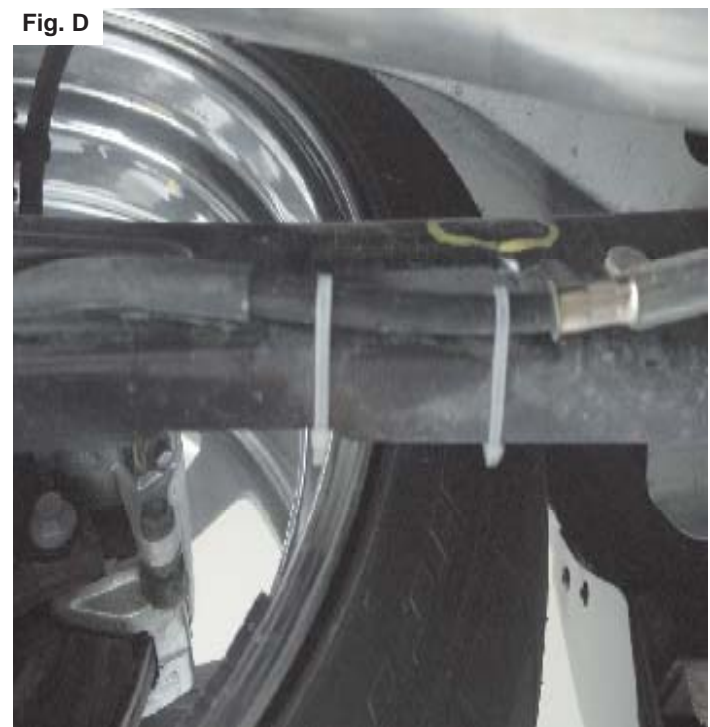


Fig. D



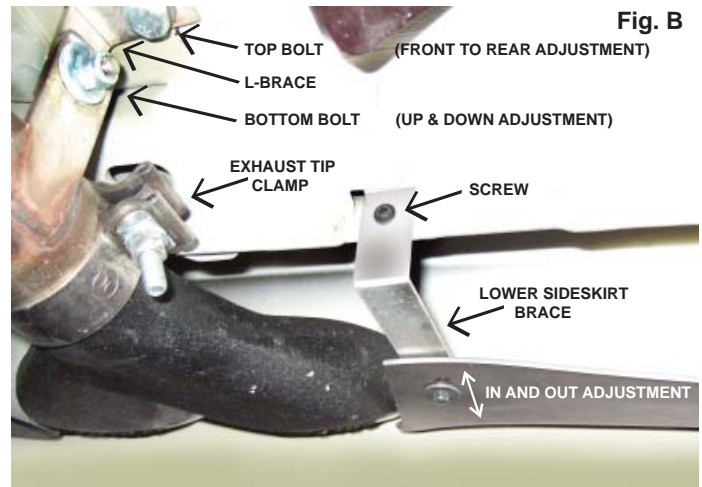
**PART #4307****05-08 MUSTANG SIDE SKIRTS FOR SIDE EXHUAUST**

**Notice:** Prefit Before Painting. Install new, unpainted parts according to these instructions. Then remove parts, paint them and re-install.

**Painted or Altered Parts are Non-Refundable**

The surface that is in contact with the 3M 2-sided tape must be cleaned with isopropyl alcohol & the temperature must be a minimum of 75 degrees F, before applying . Allow the 2-sided tape to dry 24 hours before driving.

**Pre-fitting the side skirts:** Remove the factory side skirts and the plastic clips that hold them in place. Hold the new side skirt in place and install the factory push pin in the lower hole of the front wheel well. Drill a 1/8" hole through the top hole in the side skirt and install the screw supplied in the hardware packet. With the inside mounting flange touching the rocker there should be a 1/4" gap from the bottom of the door to the side skirt. While holding the side skirt in place open the door and drill a 1/8" hole through the existing holes in the mounting flange. After the holes have been drilled install the short screws provided in the hardware packet **as shown in fig A**. We have supplied you with a brace for adjustment; mount the brace to the side skirt with the bolt, nut, and washers. Drill a 1/8" hole through the hole in the brace and into the pinch weld then install the screw **as shown in fig. B**. and install the silver screw in the hardware packet. The screws used to mount the side skirts in the wheel well, in front of the rear tire need to be installed after the side skirts have been painted.

**PAINTING INSTRUCTIONS**

**VERY IMPORTANT:** The following painting procedures **MUST** be followed **EXACTLY** for **PROPER ADHESION** and to prevent fish eyes.

1. To remove any mold release contaminants, clean the back of the part first. Using 2 new clean rags, saturate the first rag with plastic prep cleaner\* and begin cleaning. Then use the second rag to remove the prep cleaner. Continuously fold both rags to their clean sides during the process. Use 3 sets of new rags throughout the process. This prevents mold release contaminants from transferring to the painted surface.
2. Repeat step one on the front of the part.
3. Rinse the part with water. Apply a generous amount of Ajax® or sand fix\* to a red scuff pad\* (3M Scotch Brite Brand) and scrub the surface to be painted **THOROUGHLY** (especially where the 2-sided tape is installed, on the back side of the part, and all the hard to reach areas). Then rinse with water and dry. The scrubbed surface should be dull. If any shiny spots show, repeat the process on those areas.
4. Using another set of clean new rags, again clean the surface to be painted with plastic prep cleaner.
5. Spray the surface to be painted with adhesion promoter\* including the areas where the 2-sided tape is installed (follow the instructions on the can for application and drying time).
6. Apply 3 to 4 coats of urethane primer\* with flex additive\* (follow the instructions on the can for application and drying time).
7. Wet sand primer with 600 grit sandpaper. Be careful not to sand through the primer. If you do, you **MUST** clean those areas with plastic prep cleaner, apply adhesion promoter and prime. Once the primer has dried, wet sand the areas that were touched up. Your surface is now ready for paint.

\* These items can be purchased at any auto body supply store.



**Installing the side skirts:** Included in the hardware packet is a roll of 3M 2-sided tape. After the side skirts have been painted, install the 3m 2sided tape along the guidelines 1/8" away from the outer edge **as shown in fig. C**. Peel and fold about 2" of the red backing from each end of each piece of tape, then place the side skirt on the car so that the red backing is exposed and can be pulled, start with the front of the side skirt and work your way to the back (this will allow you to get the best alignment of the part). Pull the backing slowly. After all the backing is removed, firmly press the edges of the side skirt to securely adhere the tape. Attach the lower brace to the side skirt with the bolt, nut and washers, **DO NOT TIGHTEN THIS BOLT**. At this time you will need to insert the exhaust tip into the exhaust pipe. Adjusting the exhaust tip centered with the opening in the side skirt needs to be done in this order.

Step 1: Align the tip level with the top of the opening in the side skirt and approximately 1/4" out from the opening **as shown in fig.D** then tighten the exhaust tip clamp.

Step 2: Adjust the exhaust up and down to make the tip centered with the opening use the bottom bolt on the L-brace that's connecting the exhaust pipe to the brace and tighten the bolt.

Step 3: Adjust the exhaust front to back to make the tip centered with the opening with the top bolt on the L brace that connects the brace to the floor and tighten the bolt.

Step 4: At this time it may be needed to loosen the clamp that holds the tip, readjust the tip and tighten the clamp before proceeding.

Step 5: The front of the exhaust opening can be adjusted in and out with the lower brace **as shown in fig. B**.

Step 6: Adjust the back of the opening by pulling the lower part of the side skirt out and with a 1/8" drill bit, drill and install a screw in the bottom hole in the wheel well **as shown in fig. E**. Apply some pressure in to the top of the skirt then drill and install the top screw.

Fig. C



Fig. D

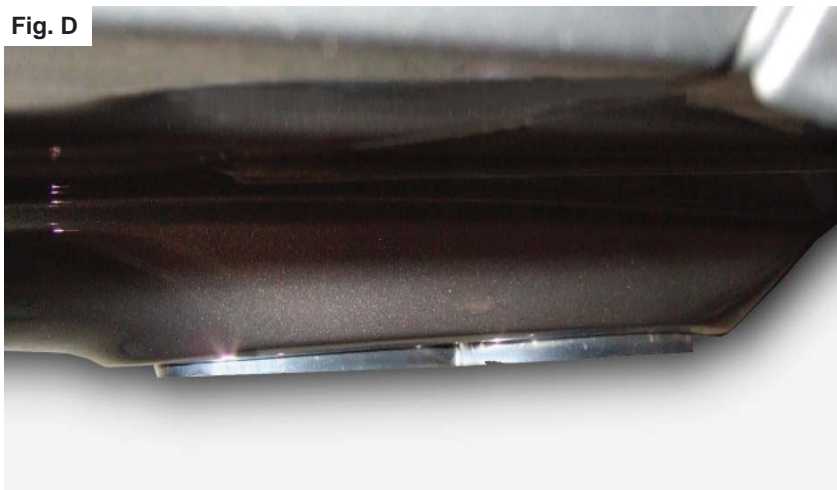
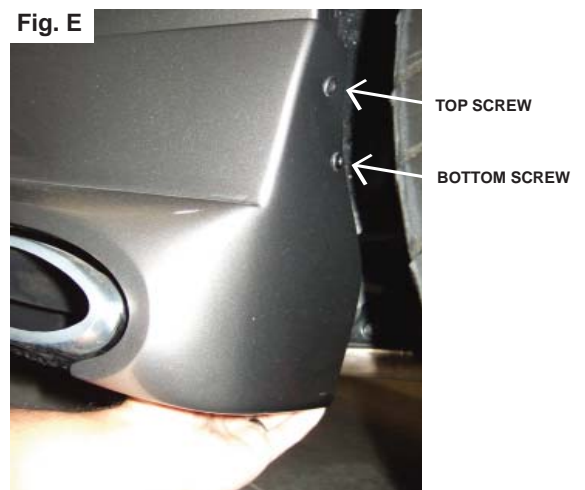


Fig. E



PART #4307		
QTY	DESCRIPTION	HARDWARE #
1	ROLL OF 2-SIDED TAPE	VHB 124
20	FLAT-HEAD PHILLIPS SCREWS	32144
2	HEX BOLTS	13003
2	HEX NUTS	36102
4	WASHERS	33004
2	L-BRACES	TEM-027





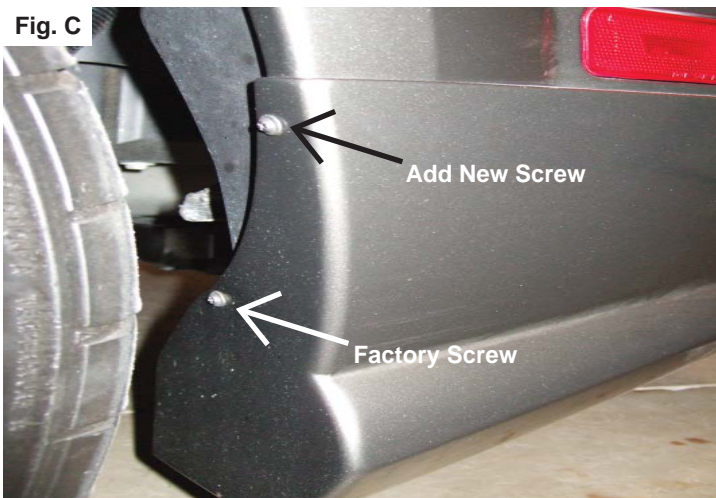
## PART #4308 05-08 MUSTANG REAR VALANCE

**Notice:** Prefit Before Painting. Install new, unpainted parts according to these instructions. Then remove parts, paint them and re-install.

**Painted or Altered Parts are Non-Refundable**

**The surface that is in contact with the 3M 2-sided tape must be cleaned with isopropyl alcohol & the temperature must be a minimum of 75 degrees F, before applying . Allow the 2-sided tape to dry 24 hours before driving.**

Pre-fitting the rear valance: Remove the factory cat-back exhaust system. Remove the bottom screw on each side in each wheel well that holds the rear bumper in place. Place a piece of 1/4" tape along the bottom of the marker light on each side of the bumper **as shown in fig. A**. this piece of tape is used as a guide for aligning the rear valance. Hold the rear valance in place along the bottom of the 1/4" tape and reinstall the factory screws in each wheel well. Tape each corner up in place to secure the valance **as shown in fig. B**. Drill a 1/8" hole through the existing hole in each wheel well and install the long screws provided in the hardware packet **as shown in fig. C**. Drill a 1/8" hole through the existing holes on the bottom of the rear valance and install the short screws provided in the hardware packet **as shown in fig. D**.



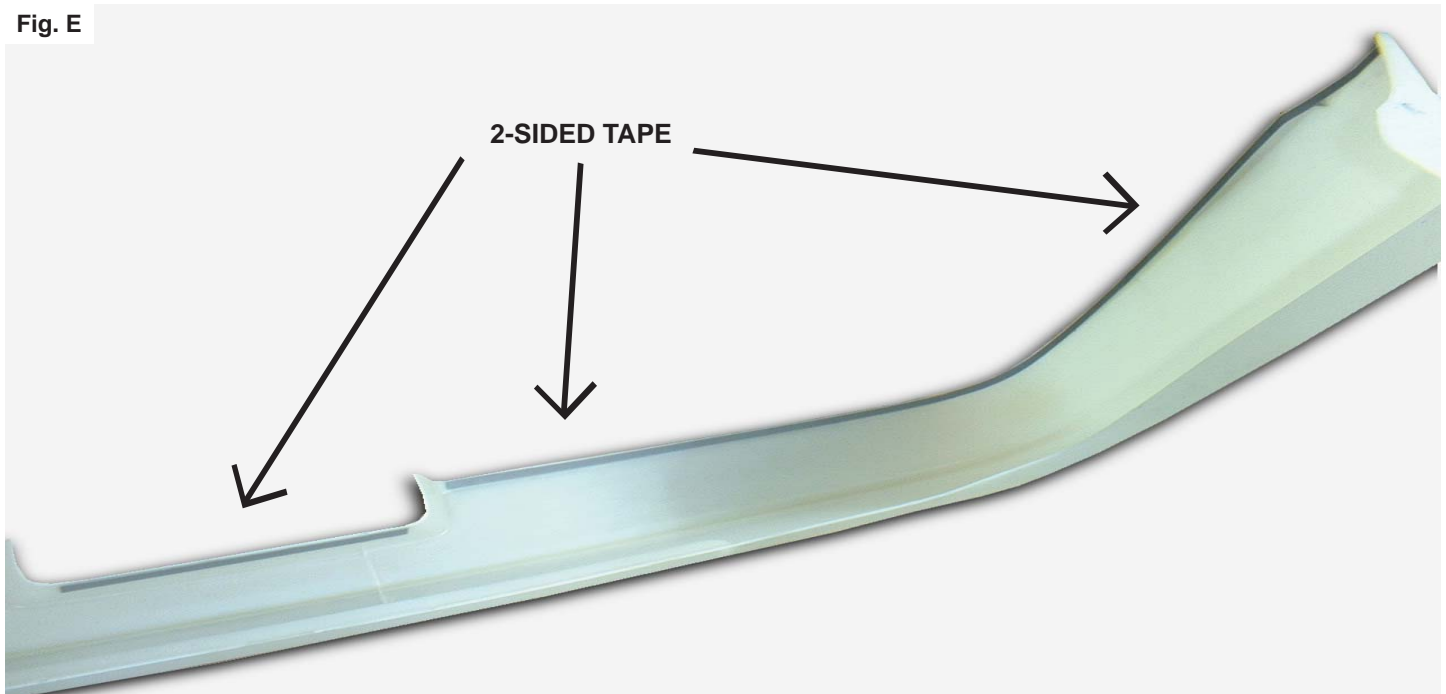
PART #4308		
QTY	DESCRIPTION	HARDWARE #
1	ROLL OF 3-M 2-SIDED TAPE	VHB-202
6	PHILLIPS SCREWS	10947-01704





Installing the rear valance: Included in the hardware packet is a roll of 3M 2-sided tape. After the rear valance has been painted, install the 3M 2-sided tape along the guidelines 1/8" away from the outer edge **as shown in fig. E**. Remove the backing from the piece of tape that you installed on the rear valance under the tag area. Peel and fold about 2" of the red backing from each end of the other pieces of tape, then place the rear valance on the car so that the red backing is exposed and can be pulled. Reinstall the factory screws in each wheel well. Tape each corner in place to secure the valance **as shown in fig. B**. Start pulling the red backing slowly from the tag area of the valance and work your way to the wheel well for each piece of tape (this will allow you to get the best alignment of the part). After all the backing is removed, firmly press the edges of the side skirt to securely adhere the tape. Install the screws in each wheel well and the bottom of the valance.

Fig. E



## PAINTING INSTRUCTIONS

**VERY IMPORTANT: The following painting procedures MUST be followed EXACTLY for PROPER ADHESION and to prevent fish eyes.**

1. To remove any mold release contaminants, clean the back of the part first. Using 2 new clean rags, saturate the first rag with plastic prep cleaner\* and begin cleaning. Then use the second rag to remove the prep cleaner. Continuously fold both rags to their clean sides during the process. Use 3 sets of new rags throughout the process. This prevents mold release contaminants from transferring to the painted surface.
2. Repeat step one on the front of the part.
3. Rinse the part with water. Apply a generous amount of Ajax® or sand fix\* to a red scuff pad\* (3M Scotch Brite Brand) and scrub the surface to be painted THOROUGHLY (especially where the 2-sided tape is installed, on the back side of the part, and all the hard to reach areas). Then rinse with water and dry. The scrubbed surface should be dull. If any shiny spots show, repeat the process on those areas.
4. Using another set of clean new rags, again clean the surface to be painted with plastic prep cleaner.
5. Spray the surface to be painted with adhesion promoter\* including the areas where the 2-sided tape is installed (follow the instructions on the can for application and drying time).
6. Apply 3 to 4 coats of urethane primer\* with flex additive\* (follow the instructions on the can for application and drying time).
7. Wet sand primer with 600 grit sandpaper. Be careful not to sand through the primer. If you do, you MUST clean those areas with plastic prep cleaner, apply adhesion promoter and prime. Once the primer has dried, wet sand the areas that were touched up. Your surface is now ready for paint.

\* These items can be purchased at any auto body supply store.

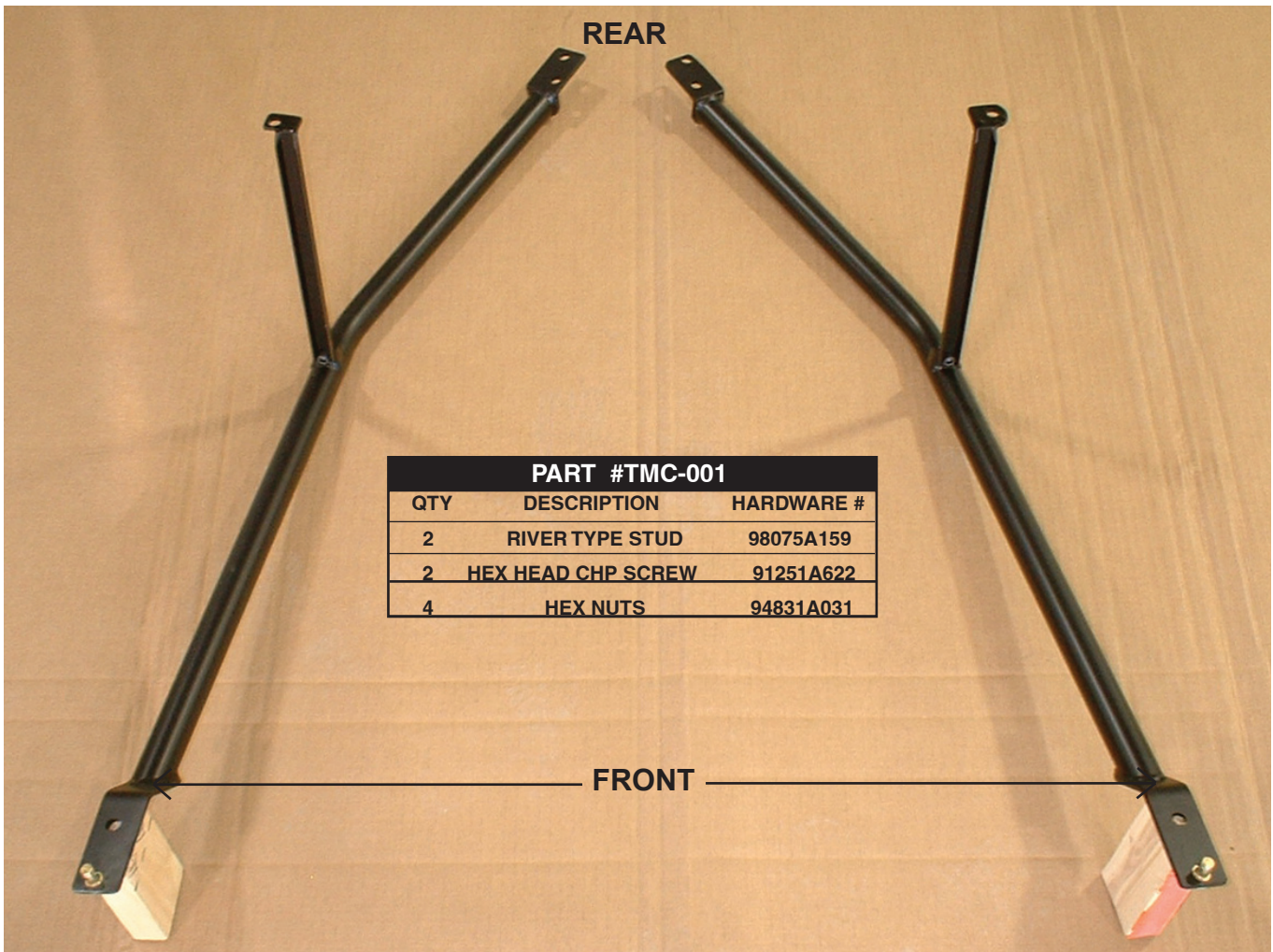


## 05-07 MUSTANG CONVERTIBLE REPLACEMENT LOWER SUPPORTS

**NOTICE:** Reinstall all bolts with medium strength locktite.

**NOTICE:** The car must be jacked & supported from the suspension for the install of these supports.

Remove the lower factory supports and the gas tank deflector shields that are in the front of the gas tank. Install our side exhaust kit and then the replacement lower support as follows in fig.A. (DO NOT INSTALL THE SMALLER UPRITE SUPPORTS AT THIS TIME). The front of the supports attach to the frame rails with the center bolt from the gas tank deflector shields. There is another hole were you will have to drill a 33/64" hole. Remove the supports. Thread the nut just flush with the threads on the insert and tap the insert into the drilled hole with a hammer. Reinstall the supports and tighten all the bolts. With a impact gun, impact the washer and the nut onto the threaded insert.(this will allow the insert to crimp like a rivet in the frame. The smaller supports attach to the same location as the exhaust hangers.



**PART #4306****05-08 MUSTANG LOWER QUARTER SIDE SCOOPS****Notice:**

**Prefit Before Painting. Install new, unpainted parts according to these instructions. Then remove parts, paint them and re-install. Painted or Altered Parts are Non-Refundable**

**The surface that is in contact with the 3M 2-sided tape must be cleaned with isopropyl alcohol & the temperature must be a minimum of 75 degrees F, before applying . Allow the 2-sided tape to dry 24 hours before driving.**

**Installing the side scoops:** Included in the hardware packet is a roll of 2-sided tape. After the side scoops have been painted, install the 3M 2-sided tape along the guideline 1/8" away from the outer edge **as shown in fig A**. Mask off the red backing and the front edge with 2" masking tape, leaving the center inside portion of the scoop exposed. Scuff the inside surface with a gray scuff pad and paint it with flat black paint. Remove tape backing and press onto the car.

Fig. A

**PAINTING INSTRUCTIONS**

**VERY IMPORTANT: The following painting procedures MUST be followed EXACTLY for PROPER ADHESION and to prevent fish eyes.**

1. To remove any mold release contaminants, clean the back of the part first. Using 2 new clean rags, saturate the first rag with plastic prep cleaner\* and begin cleaning. Then use the second rag to remove the prep cleaner. Continuously fold both rags to their clean sides during the process. Use 3 sets of new rags throughout the process. This prevents mold release contaminants from transferring to the painted surface.
2. Repeat step one on the front of the part.
3. Rinse the part with water. Apply a generous amount of Ajax® or sand fix\* to a red scuff pad\* (3M Scotch Brite Brand) and scrub the surface to be painted THOROUGHLY (especially where the 2-sided tape is installed, on the back side of the part, and all the hard to reach areas). Then rinse with water and dry. The scrubbed surface should be dull. If any shiny spots show, repeat the process on those areas.
4. Using another set of clean new rags, again clean the surface to be painted with plastic prep cleaner.
5. Spray the surface to be painted with adhesion promoter\* including the areas where the 2-sided tape is installed (follow the instructions on the can for application and drying time).
6. Apply 3 to 4 coats of urethane primer\* with flex additive\* (follow the instructions on the can for application and drying time).
7. Wet sand primer with 600 grit sandpaper. Be careful not to sand through the primer. If you do, you MUST clean those areas with plastic prep cleaner, apply adhesion promoter and prime. Once the primer has dried, wet sand the areas that were touched up. Your surface is now ready for paint.

\* These items can be purchased at any auto body supply store.

PART #4306		
QTY	DESCRIPTION	HARDWARE #
1	ROLL OF 2-SIDED TAPE	VHB 112





**PART #4305  
05-09 MUSTANG QUARTER WINDOW SCOOPS**

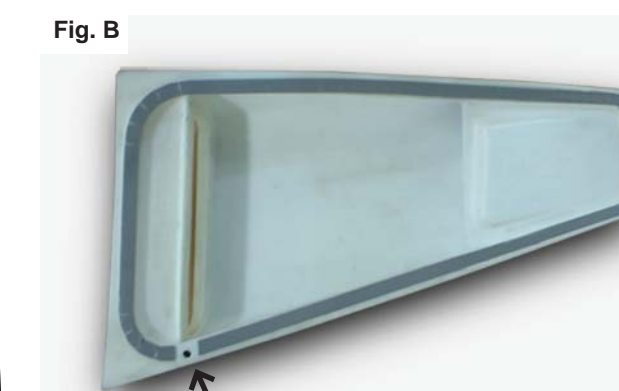
**Notice: Pre fit Before Painting.** Install new, unpainted parts according to these instructions. Then remove parts, paint them and re-install. Painted or Altered Parts are Non-Refundable

The surface that is in contact with the 3M 2-sided tape must be cleaned with isopropyl alcohol & the temperature must be a minimum of 75 degrees F, before applying. Prime and paint the area where the 2-sided tape adheres to the part. Allow the 2-sided tape to dry 24 hours before driving.

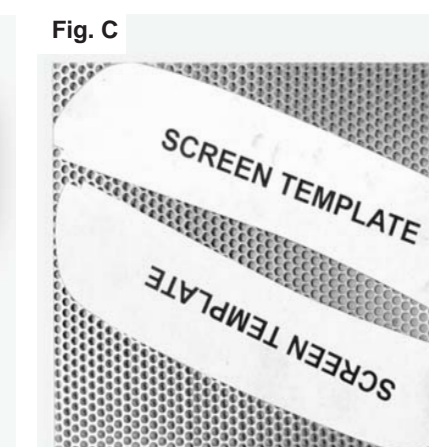
**Pre fitting the quarter window scoops:** Tape the top of the supplied template to the car as shown in Fig.A. Lift up the template and cut out the middle section. Place the window scoop over the window and line it up inside the template. Tape the scoop to the car. Make sure the window is fully covered and the scoop flows with the body lines of the car. **(The template is just a guide, some adjustment may be necessary.)** Remove the scoop and paint it.



**Installing the quarter window scoops:** In the hardware packet is a roll of 3M 2-sided tape. After the window scoops have been painted, install the 3M 2-sided tape along the guidelines an 1/8" away from the outer edge of the part as shown in fig.B. **(Prime and paint the area where the 2-sided tape adheres to the part. The 2-sided tape adheres best to a painted surface.)** Mask off the red backing with 2" masking tape, leaving the center inside portion of the scoop exposed. Scuff the inside surface with a gray scuff pad and paint it with flat black paint. The inside of the scoop can be seen from inside the car. Use the supplied screen template to cut out the trim screens, as shown in fig.C. Install the screens with the screws provided in the hardware packet. Peel and fold about 2" of the red backing from the ends of each piece of tape. Place the window scoops on the car so that the backing is exposed and can be pulled. **(This will allow you to get the best possible alignment of the part.)** Once the window scoops are on the car pull the backing slowly. After all the backing is removed, firmly press the edges of the window scoops to securely adhere the tape to the car.



Water drain hole **DO NOT** cover with 2-sided tape.



PART #4305		
QTY	DESCRIPTION	HARDWARE #
1	ROLL OF 2-SIDED TAPE	VHB 155
1	CIRCLE SCREEN	MEC-032-P
10	FLAT HEAD PHILLIPS	10947-01704

LINE UP WITH BODY LINE ON CAR.

LINE UP WITH BODY LINE ON CAR.

LINE UP WITH BODY LINE ON CAR.

CUT HERE

CUT HERE

CUT HERE

**URETHANE PAINTING INSTRUCTIONS**

**VERY IMPORTANT:** The following painting procedures **MUST** be followed **EXACTLY** for **PROPER ADHESION** and to prevent fish eyes.

1. To remove any mold release contaminants, clean the back of the part first. Using 2 new clean rags, saturate the first rag with plastic prep cleaner\* and begin cleaning. Then use the second rag to remove the prep cleaner. Continuously fold both rags to their clean sides during the process. Use 3 sets of new rags throughout the process. This prevents mold release contaminants from transferring to the painted surface.
2. Repeat step one on the front of the part.
3. Rinse the part with water. Apply a generous amount of Ajax® or sand fix\* to a red scuff pad\* (3M Scotch Brite Brand) and scrub the surface to be painted **THOROUGHLY** (especially where the 2-sided tape is installed, on the back side of the part, and all the hard to reach areas). Then rinse with water and dry. The scrubbed surface should be dull. If any shiny spots show, repeat the process on those areas.
4. Using another set of clean new rags, again clean the surface to be painted with plastic prep cleaner.
5. Spray the surface to be painted with adhesion promoter\* including the areas where the 2-sided tape is installed (follow the instructions on the can for application and drying time).
6. Apply 3 to 4 coats of urethane primer\* with flex additive\* (follow the instructions on the can for application and drying time).
7. Wet sand primer with 600 grit sandpaper. Be careful not to sand through the primer. If you do, you **MUST** clean those areas with plastic prep cleaner, apply adhesion promoter and prime. Once the primer has dried, wet sand the areas that were touched up. Your surface is now ready for paint.

\* These items can be purchased at any auto body supply store.

**Note: Make sure you PRIME and PAINT the areas where the 2-sided tape is used as you would if it was the finished sided of the part. The tape adheres best when it is applied to a painted surface.**



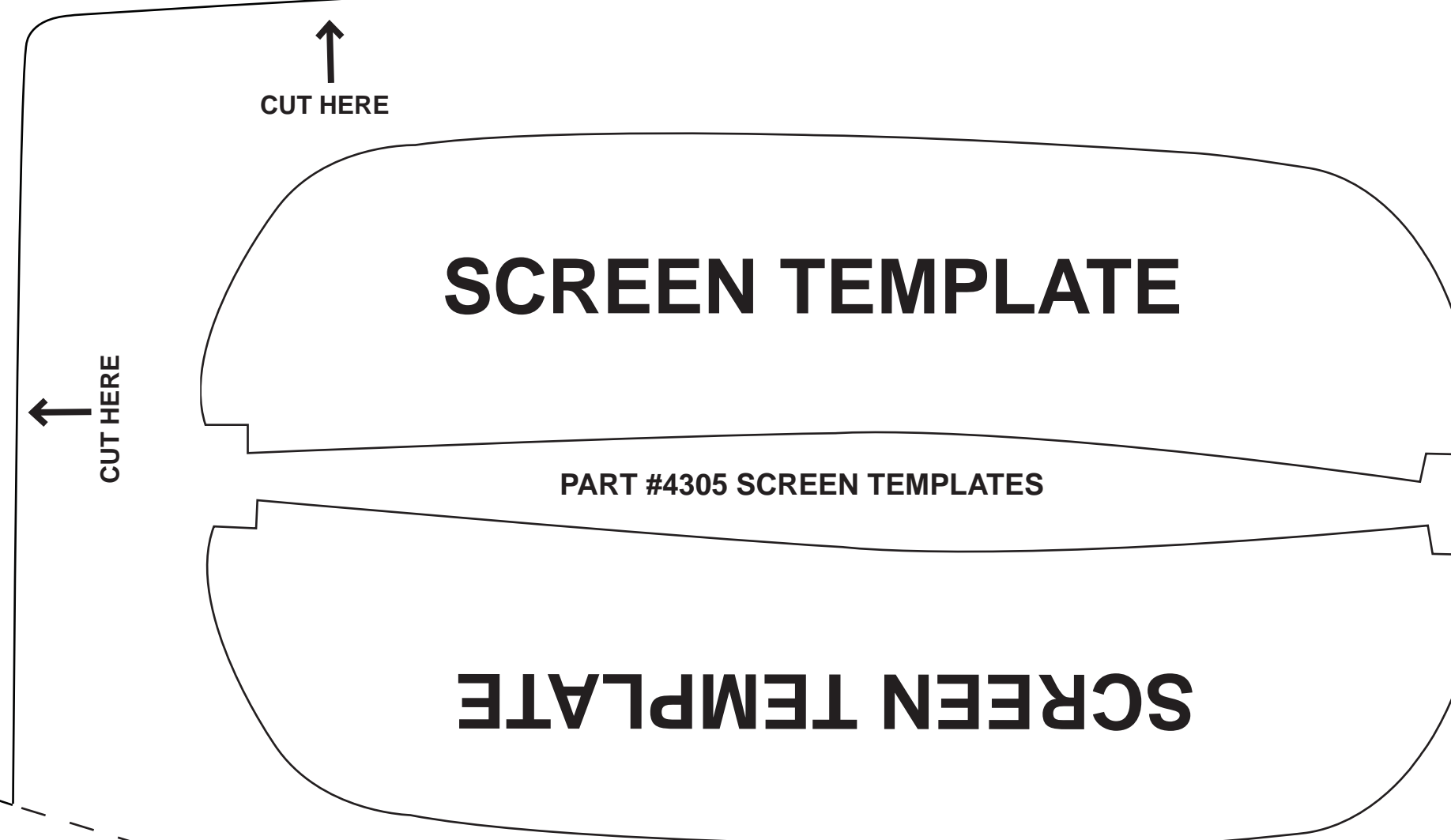
3656 N. MILL ROAD, VINELAND, NEW JERSEY 08360 • TECH INFO 1-800-488-6057

CUT HERE

LINE UP WITH PAINTED EDGE.

CUT HERE

LINE UP WITH PAINTED EDGE.



**SCREEN TEMPLATE**

**PART #4305 SCREEN TEMPLATES**

**SCREEN TEMPLATE**



## PART #3347

### 05-09 MUSTANG FRONT BUMPER INSTRUCTIONS

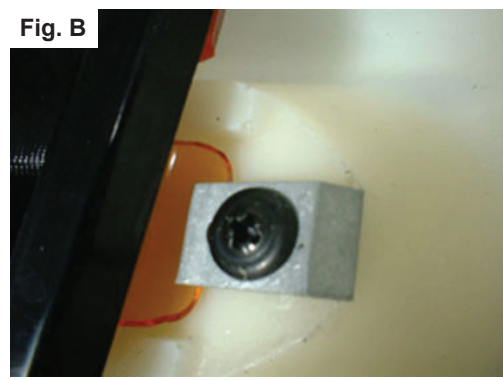
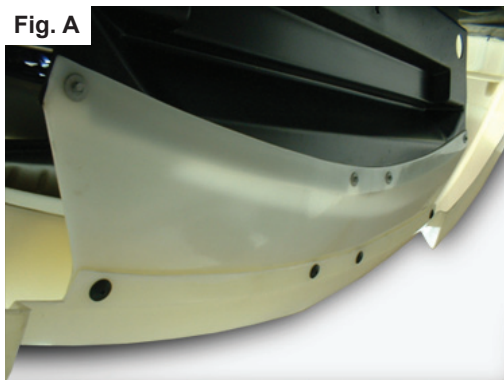
**Notice:** Prefit before painting. Install new, unpainted parts according to these instructions. Then remove parts, paint them and re-install.

**Painted or Altered Parts are Non-Refundable**

The front bumper mounts in the factory locations. Remove the factory plastic mounting supports on each side of the bumper. Install them to the new bumper using the pop-rivets supplied in the hardware packet. We have supplied you with a lower bumper extension, mount this to the bumper using the clip nuts and phillips screws supplied in the hardware packet. This extension will allow you to mount the bumper to it's original factory mounting point as shown in **Fig. A**

**Installing the factory upper grille:** Align the factory grille so that the tabs on the grille are even with the rear edge of the bumper and centered with the 1/8" predrilled holes. Lightly clamp each tab to the bumper. Drill through the existing hole in the bumper and through the tab on the grille, then install the short phillips screws provided in the hardware packet.

**Installing the factory marker lights:** Snap the marker light into place, then install the light mounts with the provided screws as shown in **Fig. B**



#### PAINTING INSTRUCTIONS

**VERY IMPORTANT: The following painting procedures MUST be followed EXACTLY for PROPER ADHESION and to prevent fish eyes.**

1. To remove any mold release contaminants, clean the back of the part first. Using 2 new clean rags, saturate the first rag with plastic prep cleaner\* and begin cleaning. Then use the second rag to remove the prep cleaner. Continuously fold both rags to their clean sides during the process. Use 3 sets of new rags throughout the process. This prevents mold release contaminants from transferring to the painted surface.
2. Repeat step one on the front of the part.
3. Rinse the part with water. Apply a generous amount of Ajax® or sand fix\* to a red scuff pad\* (3M Scotch Brite Brand) and scrub the surface to be painted THOROUGHLY, especially on all the edges and hard to reach areas. Then rinse with water and dry. The scrubbed surface should be dull. If any shiny spots show, repeat the process on those areas.
4. Using another set of clean new rags, again clean the surface to be painted with plastic prep cleaner.
5. Spray the surface to be painted with adhesion promoter\* (follow the instructions on the can for application and drying time).
6. Apply 3 to 4 coats of urethane primer\* with flex additive\* (follow the instructions on the can for application and drying time).
7. Wet sand primer with 600 grit sandpaper. Be careful not to sand through the primer. If you do, you MUST clean those areas with plastic prep cleaner, apply adhesion promoter and prime. Once the primer has dried, wet sand the areas that were touched up. Your surface is now ready for paint.

\* These items can be purchased at any auto body supply store.

OPTIONAL FOR PART #3347		
QTY	DESCRIPTION	HARDWARE #
2	P.I.A.A FOG LIGHTS	7020
1	UPPER BILLET GRILLE W/ HORSE	7025
1	LOWER BILLET GRILLE W/ FOG LIGHTS	7026
1	LOWER BILLET GRILLE W/O FOG LIGHTS	7024



PART #3347		
QTY	DESCRIPTION	HARDWARE #
1	CIRCLE SCREEN	MEC-032-P
18	FLATHEAD PHILLIPS	10947-01704
4	POP-RIVETS	0155970
2	LIGHT MOUNTS	SV25600
4	FLATHEAD PHILLIPS SCREWS	32144
4	CLIP NUTS	WE-2255

# PIAA 004

## Installation Instructions

Thank you very much for purchasing PIAA product.  
Please read this entire manual before installation and use of this product.

### For Installers

Please give this Installation Manual to customer after installing.



#### WARNING

- Lighting laws vary state to state, check your local laws before use.
- The lamps get very hot when they have been in use. Do not touch them as they may cause burns.
- After the lights have been on do not place them near flammable objects.
- Do not splash water directly on the hot lamps, as this may cause cracking of the lens due to dramatic change in temperature.
- Do not look directly into the light of the lamps as the bright light may cause eye damage.
- This light system may be used only as high beam auxiliary lighting.
- The lamps and relay harness are to be used only with 12 volt automotive electrical systems.
- Using this light system while the engine is not running will drain the battery.
- Do not repeatedly turn the light system on and off as it will shorten the life of the system.
- Some automobiles generate high voltage at start up and when it is turned off, do not have lights on as you start or turn off your vehicle.
- Using the wrong bulbs may cause a malfunction, use only specified PIAA bulbs.
- When changing bulbs or lenses follow the lamp assembly/disassembly diagram.
- Leave at least 1/8" clearance between the lamps and the front spoiler, as the heat may damage the spoiler.



## CONTENTS

Two (2) PIAA 004 lamps

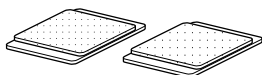


One (1) PIAA preassembled relay harness with fuse and switch

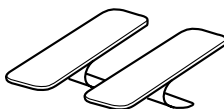
Hex wrench



One (1) piece of Velcro



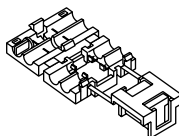
Two (2) adhesive pads



Five (5) wire ties



One (1) PIAA one touch connector

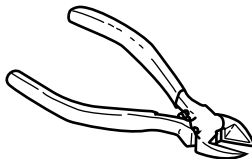


## TOOLS

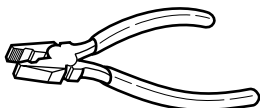
Vinyl electrical tape



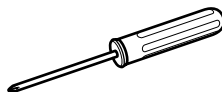
Diagonal cutters



Pliers

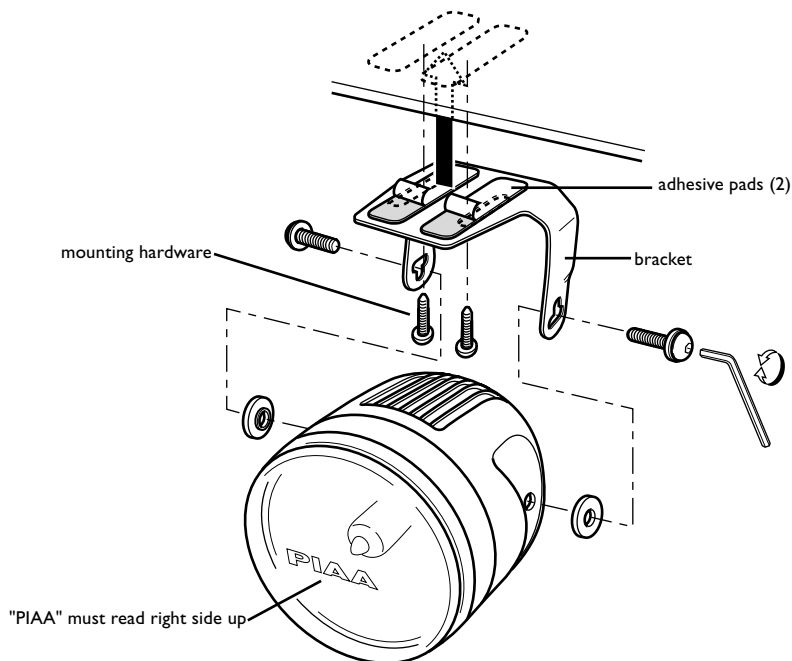


Phillips driver (medium)



## LAMP INSTALLATION

- The work site must be clean and level with enough working space to complete the job without distractions.
- When mounting the lamps mount them in such a place that they are free of obstructions. Do not mount the lamps in such a place that they will obstruct an existing automotive function. Do not mount them in such a manner that they have a chance of contacting the road or curbs.
- The PIAA 004 may be mounted upright or hanging down. It is very important to make sure the "PIAA" that is molded into the lens reads right side up. If it will not read right side up in its mounting location then the bracket will have to be removed and repositioned so that it will mount right side up.



- When a mounting location is decided upon mount the lamp with the supplied mounting screws, adhesive pads or other fasteners that will provide a secure fitting to the vehicle.
- When lamp is mounted make sure to leave 1/8" clearance around the lamp for proper heat dissipation and to protect painted surfaces from heat damage.



## HARNES INSTALLATION

1. Before connecting any wires, the negative (-) battery terminal should be disconnected.

When connecting the wires on the harness, follow the wiring diagram and connect them as in the diagram.

2. For proper lamp operation it is recommended that you connect the positive (+) and negative (-) power supply wires directly to the corresponding battery terminals. Do not take power directly from the alternator.

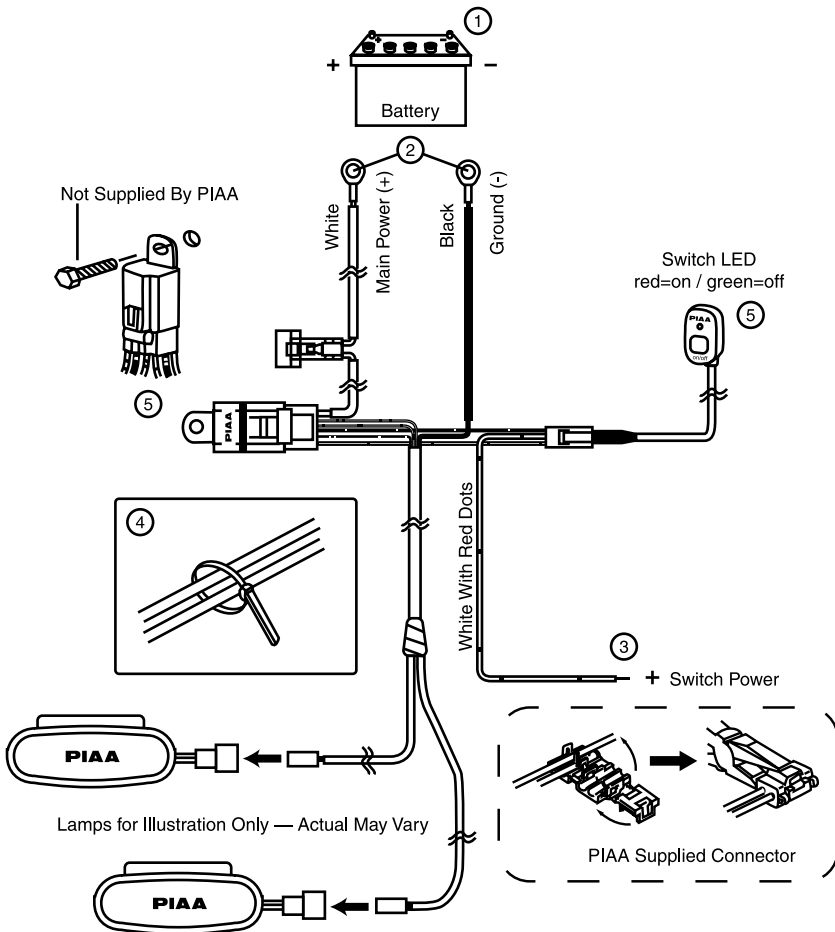
3. Find a power source to connect the switch power wire to. For legal operation of driving lights, the power source must be one that is only powered when the high beam of the headlamps is on. To make this connection use the supplied connector or any connector that is suitable for this application.

Do not connect lights to turn signals or to lights that flash with an automotive alarm.

4. When running the wires through the engine compartment be sure to keep them securely away from moving parts such as the fan and the throttle cable and away from hot parts such as the exhaust manifold.

5. When the wiring is complete, test the system for operation. Do this by turning on the system. If the system works, securely fasten the relay boxes and fuse holders or tie them out of the way with wire ties. If the system does not come on, please contact your PIAA dealer for assistance.

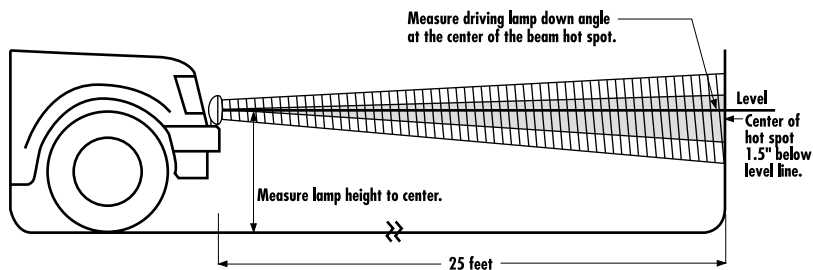
# WIRING DIAGRAM



## DRIVING LIGHT AIMING

Typically, driving lights are mounted above the front bumper about 14-30 inches from the ground to provide extra high beam illumination. Driving lights can be mounted below the bumper, although they will not be as effective because the light will hit the ground sooner and reduce the range of the light.

Visual aim is made with the center of the beam hot spot 1.5 inches below the lamp center at 25 feet with the lamp facing straight forward. (see below.)



### CAUTION

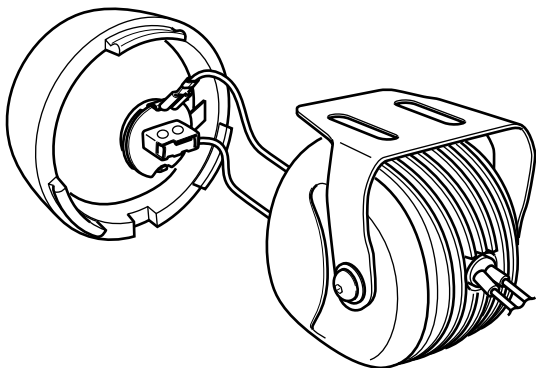
**Do not use driving lights into oncoming traffic.**

**Driving lights should never be the only forward light source.**

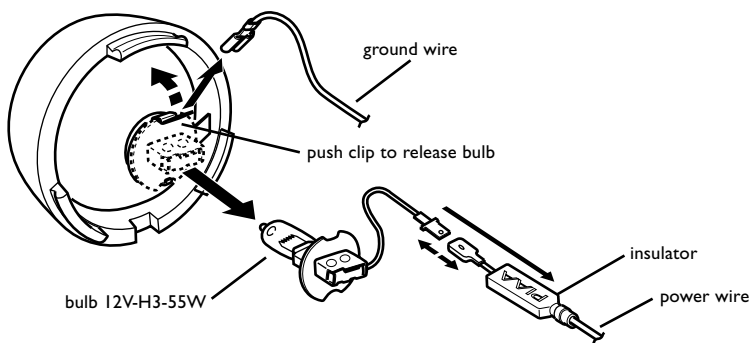
**Driving lights should only be used with the headlamp high beams.**

## LAMP SERVICE

The PIAA 004 lamps have a replaceable H3 style bulb.  
Use only 12V-H3-55 Watt bulbs.



Snap front lens unit off from housing. Be careful not to pull too hard and damage wires.



**WARNING**  
**Slide insulator over connector.**

When service is complete snap lens unit back onto housing being careful not to pinch any wires.



## **PIAA LIMITED WARRANTY**

With the exception of bulbs, PIAA Corporation, USA ("PIAA") warrants its products to be free from defects in workmanship and materials under normal use for as long as the original purchaser owns them.

### **EXCLUSIONS**

This Limited Warranty specifically excludes defects resulting from misuse, abuse, neglect, alteration, modification, improper installation, unauthorized repairs, submersion, theft, vehicle crash, or by any other type of impact. Except for the Limited Warranty stated above, there are no warranties of PIAA products or any part thereof, whether express or implied. Any implied warranty of merchantability or any warranty of fitness for a particular purpose is expressly disclaimed. Some states do not permit the disclaimer of implied warranties.

### **LENS CRACKS**

Crash or impact damage is not covered. This can be determined by a chip or scrape on the lens or the housing. Stress cracks sometimes occur when the lens is subjected to sudden and extreme temperature changes. A stress crack has no chip or other sign of impact. Stress cracks are covered under warranty.

### **EXCLUSION OF DAMAGES**

In no event shall PIAA be liable for any damages whatsoever (including, without limitation, consequential damages, incidental damages, or damages for loss of use, loss of business profits, business interruption, loss of business information, loss of time, inconvenience, or other losses) arising out of the use, misuse, or inability to use a PIAA product. PIAA reserves the right to change the design its products without any obligation to modify any previous product. This warranty gives you specific legal rights. You may also have other rights that vary from state to state.

### **REPAIR AND REPLACEMENT**

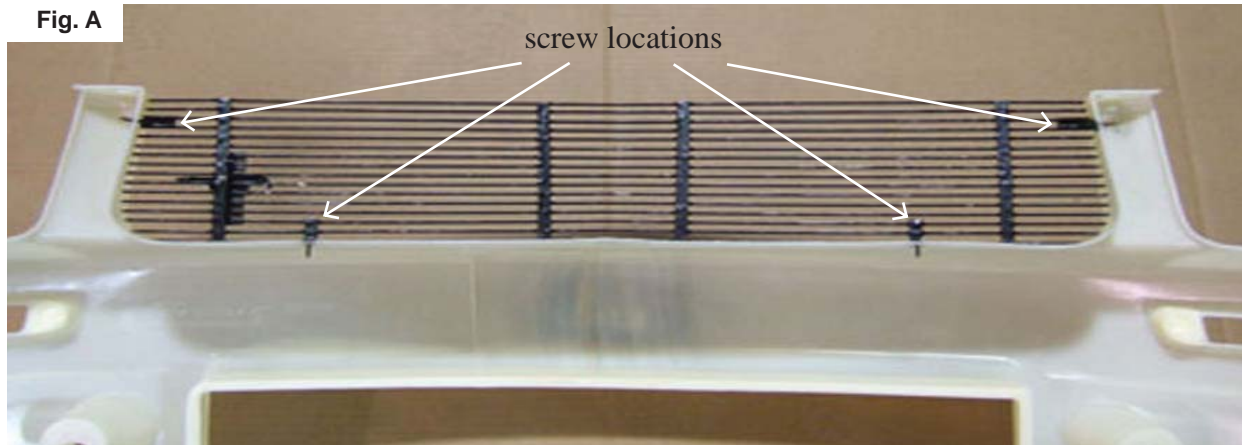
If a PIAA product is suspected of being defective, it must be submitted freight prepaid, to either an authorized dealer or distributor for warranty inspection. The receipt or other proof of purchase and a description of the problem must be included. The returned product will be inspected. If the product is found to be defective and covered by this Limited Warranty, the sole remedy is repair or replacement, at PIAA's option. A repaired or replacement product will be shipped back at no charge, and will be warranted to be free from defects in workmanship and materials under normal use for as long as the original purchaser owns it. Removal, installation, or reinstallation costs are not covered by this Limited Warranty.

PIAA CORPORATION, USA  
15370 SW Millikan Way  
Beaverton, Oregon 97006  
Telephone: 503.643.7422  
Fax: 503.643.9144  
Web: [www.piaa.com](http://www.piaa.com)

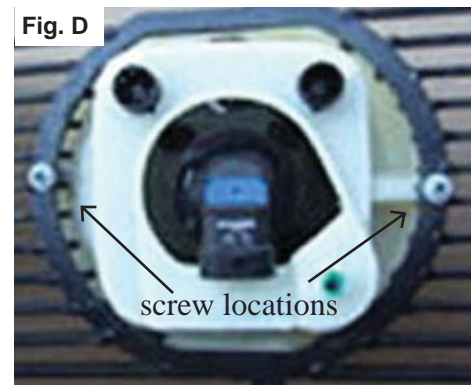
**PART# 7019 & 7019 B, UPPER BILLET GRILLE W/ FOG LIGHTS**  
**PART# 7025 UPPER BILLET GRILLE W/ RUNNING HORSE**  
**PART# 7073 UPPER BILLET GRILLE W/ COBRA**

**Pre-fitting the billet grille:** Place the billet grille in the top mouth opening of the bumper. Center the grille in the mouth opening and make sure the grille bars are parallel to each other.

**Installing the billet grille:** After the bumper has been painted center the grille in the mouth opening. Use the four Phillips screws provided to secure the grille to the bumper in the pre-drilled locations **as shown in fig A.**



**Part # 7019 & 7019 B, Only! Installing the fog lights:** Align the light mounts, with the three holes in the back of the fog light bucket and snap it into place **as shown in fig B.** With the tapered holes in the light bezel facing up, screw it to the light bucket **as shown in fig C.** The light buckets have two steps on the back of them to help align it to the grille. Align the steps on the back of the light bucket to the pre drilled holes in the grille trim rings and screw it to the grille **as shown in fig D.**



PART #7019, 7019 B		
QTY	DESCRIPTION	HARDWARE #
8	LONG BLACK SCREWS	WE2623
12	HEX HEAD SCREWS	992210A145
2	FOG LIGHT BUCKETS	7026, RA-LA
2	FOG LIGHTS	7015
2	BRACKETS	7086 L&R
4	BUTT CONECTORS	MC7227K13



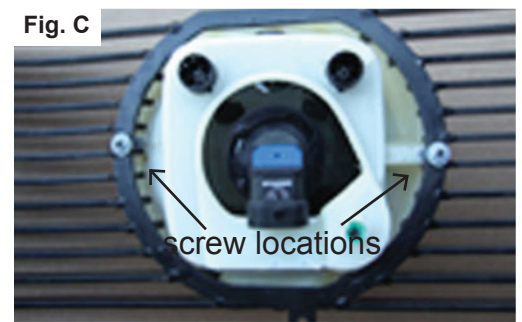
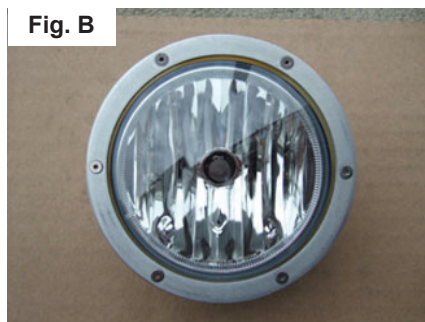
PART #7025,7073		
QTY	DESCRIPTION	HARDWARE #
4	LONG BLACK SCREWS	WE2623

## PART # 7024,7026 & 7257 2005-2011 C-SERIES LOWER BILLET GRILLE

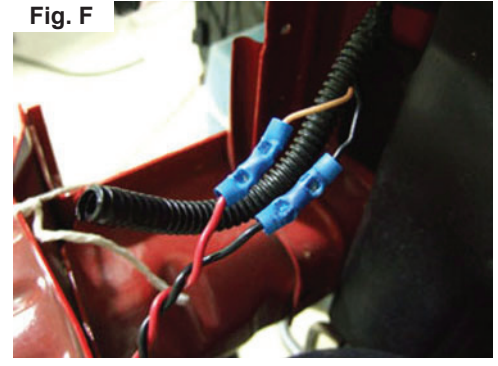
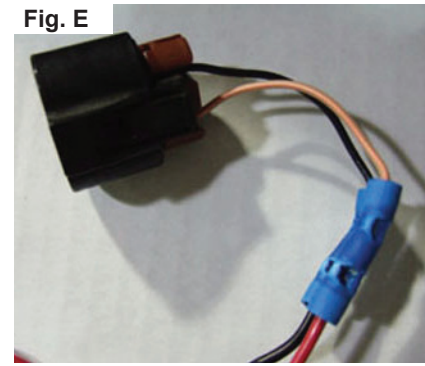
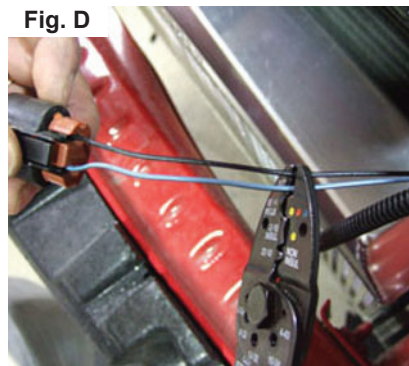
**Notice: Pre fit before painting! Install new, unpainted parts according to these instructions! Then remove parts, paint them and re-install! Painted or Altered Parts are Non-Refundable!**

**Step 1:** Place the lower billet grille in the lower mouth opening of the bumper. Center the grille in the mouth opening and make sure the grille bars are parallel to each other. Mark the mounting locations of the grille on the bumper and drill an 1/8" hole in the marked locations. Use the short Phillips screws to secure it in place.

**Step 2: (Only if you have fog light option.)** Align the light mounts, with the three holes in the back of the fog light bucket and snap it into place **as shown in fig.A**. With the tapered holes in the light bezel facing up, screw it to the light bucket **as shown in fig.B**. The light buckets have two steps on the back of them to help align it to the grille. Align the steps on the back of the light bucket to the pre drilled holes in the grille trim rings and screw it to the grille **as shown in fig.C**.



**Step 3:** The factory fog light wires must be cut and extended to reach the fog lights in the lower billet grille. Peel back the black wire loom and cut the wires five inches from the back of the plug **as shown in fig.D**. Strip a 1/4" off the cut ends of the plug wires and the extending wires that are provided in the hardware pack. Use the supplied butt connectors to connect the plug wires to the extending wires **as shown in fig.E**. (Black goes to black.) Use the supplied butt connectors to connect the extending wires to the factory wire harness **as shown in fig.F**. Wrap all the connections with electrical tape to keep moisture from getting to them.



PART # 7024		
QTY	DESCRIPTION	HARDWARE #
8	SMALL PHILLIPS SCREWS	3265



PART #7026,7257		
QTY	DESCRIPTION	HARDWARE #
8	SMALL PHILLIPS SCREWS	3265
12	HEX HEAD SCREWS	992210A145
2	FOG LIGHT BUCKETS	7026, RA-LA
2	FOG LIGHTS	7015
4	LONG BLACK SCREWS	WE2623
2	2' LENGTHS OF BLACK WIRE	758K55
2	2' LENGTHS OF RED WIRE	758K55
2	ALUMINUM TRIM BEZELS	TEM-041
8	BUTT CONNECTOR	MC7227K13