LINGENFELTER

PERFORMANCE ENGINEERING

Lingenfelter Signature Series 2010-2012 Camaro Front Grill Insert

PN: L850181410 (Fiberglass)
PN: L850191410 (Carbon Fiber)

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CAUTION
IT IS THE PURCHASER'S RESPONSIBILITY TO FOLLOW ALL INSTALLATION INSTRUCTION GUIDELINES AND SAFETY PROCEDURES SUPPLIED WITH THE PRODUCT AS IT IS RECEIVED BY THE PURCHASER TO DETERMINE THE COMPATIBILITY OF THE PRODUCT WITH THE VEHICLE OR THE DEVICE THE PURCHASER INTENDS TO INSTALL THIS PRODUCT ON.
LINGENFELTER PERFORMANCE ENGINEERING ASSUMES NO RESPONSIBILITY FOR DAMAGES OCCURRING FROM ACCIDENT, MISUSE, ABUSE, IMPROPER INSTALLATION, IMPROPER OPERATION, IMPROPER TOOLS, LACK OF REASONABLE CARE, LACK OF SKILLS OR ALL PREVIOUSLY STATED REASONS RESULTING FROM INCOMPATIBILITY WITH OTHER PRODUCTS.

Parts List

L850181410 LPE Camaro SS front grill insert, fiberglass

#	Description	Part number
1	Fiberglass grill insert	XX03933-0002
1	Lingenfelter center badge/shield	L840031410
1	Lingenfelter horizontal emblem	L840041410
1	GM Heritage front grill	92208704

L850191410 LPE Camaro SS front grill insert, Carbon Fiber

#	Description	Part number
1	Carbon fiber grill insert	L850191410
1	Lingenfelter center badge/shield	L840031410
1	Lingenfelter horizontal emblem	L840041410
1	GM Heritage front grill	92208704

Tools & Materials Required

- 13mm deep well socket
- Small flat head screwdriver
- Pry tool
- Torx 20 socket
- Ratchet
- Ratchet extension
- 10mm socket
- Torque wrench

Optional Items

#	Part number	Description
1	L850141410	Front Chin Spoiler
1	L850171410	Rocker Covers
1	L850161410	Rear Valance
1	L850131410	High Rise Ram Air Hood
1	L850151410	Rear Deck Spoiler
1	L850201410	Ram Air Hood with Window

Read the entire instruction manual before beginning installation. Some stock parts will be used in reassembly.

When referencing the side of the vehicle, the driver side of the vehicle is considered the left side and the passenger side of the vehicle is considered the right side of the vehicle.

Some installation pictures shown are with the body components unpainted. LPE recommends taking your vehicle to a professional painter to have your body components painted.

You may also refer to the GM instillation instructions for the GM Heritage grille.

1. Prepare a clean work surface for the front fascia.

2. Open the hood to the vehicle. Using a 10 mm socket and ratchet, remove the two (2) bolts shown on the passenger side front of the front fascia. Save these bolts as they will be used in re-assembly.

3. The second bolt is located directly in front of the fuse panel on the passenger side.

4. Remove the two (2) bolts on the driver side. These bolts are mirrored in the same position as the passenger side.

⚠CAUTION

5. There are three scrivets on the passenger side of the front wheel well liner.

NOTE: Scrivets are a rivet and screw combination, a rivet that uses a screw to tighten and loosen the rivet.

6. Using a Torx 20 socket or driver, remove the three (3) scrivets on the passenger side of the vehicle.

7. Remove the three (3) scrivets, as illustrated, on the driver side of the vehicle.

8. Peel back the front wheel well liner and using a 10 mm socket and ratchet, remove the bolt shown. The other two (2) bolts are located directly up from this bolt.

9. Using a 10 mm socket and ratchet, remove the two (2) bolts indicated. These bolts are located directly above the bolt removed in step 7. Step 7-9 are to be repeated for the passenger side.

10. Using a 10 mm socket and ratchet, remove the two (2) lower support bolts under the front fascia of the vehicle.

11. Remove the front fascia by gently lifting up on the top of the fascia and pulling it away from the vehicle.

CAUTION: The wiring harness is still connected on the front fascia, do not try to completely remove it from the vehicle.

12. Disconnect the front fascia wiring harness electrical connector and remove the front fascia from the vehicle.

⚠CAUTION

13. With the help of an assistant, place the front fascia on a clean work surface as shown. You will need access to both the inside and outside of the fascia during this part of the installation.

14. Using a small flat head screwdriver, un-clip the clip on the fascia support webbing located in the middle of the inside of the front fascia.

15. Un-clip the clip on the passenger side of the fascia illustrated by bending the larger tab (indicated by the arrow) away from the smaller tab below it and pulling upward.

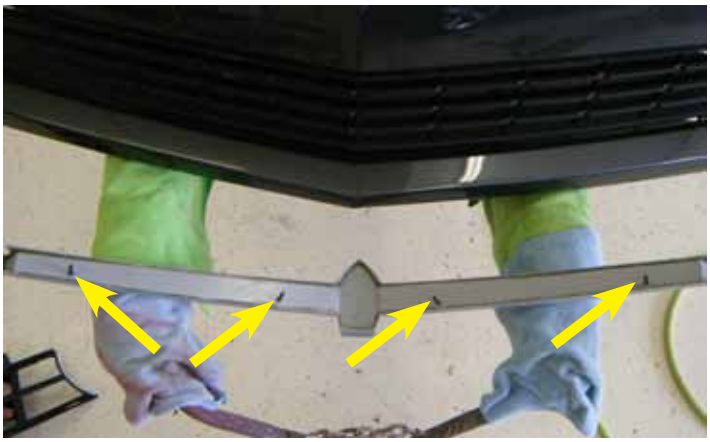
16. Un-clip the clip on the driver side illustrated by bending the larger tab (indicated by the arrow) away from the smaller tab below it and pulling upward. Remove the fascia support webbing.

17. Using a pair of needle nose pliers, remove the grille retaining clip on the driver side of the front fascia located on the inside of the front fascia as shown.

18. Remove the grille retaining clip on the passenger side of the front fascia located on the inside of the front fascia as shown.

19. There are sixteen (16) retaining tabs that hold the grille in place. Using a small flat head screwdriver, remove the grille from the fascia by popping each of the tabs out of the retainers on the grille while pulling the grille upward.

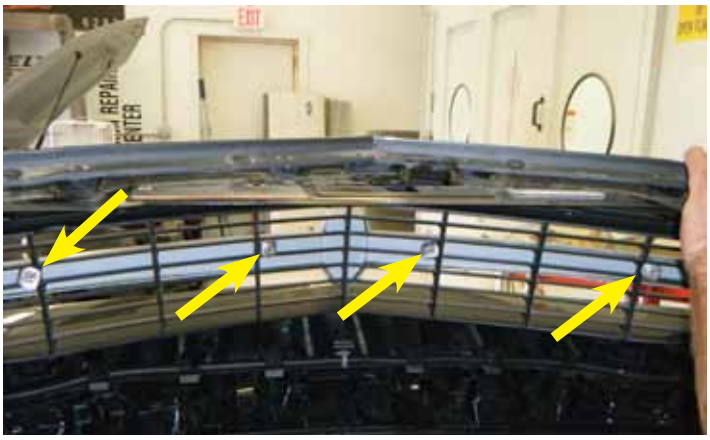
20. Install the GM Heritage front grille (PN: 92208704) included in the LPE kit by popping it into place over the sixteen (16) fascia retaining tabs.



21. The LPE front fascia grille insert should be installed next. Notice the four (4) studs on the back of the insert, these will secure behind the grille with the supplied four (4) nuts and special tabbed washers.

22. Insert the bolts on the fifth slot up on the GM Heritage grille.

NOTE: Before installing the LPE shield and emblem, the LPE fiberglass grill insert must be painted but the carbon fiber grille insert does not.



23. Using the supplied tab washers and M6 X 1 mm nuts, secure the LPE grille insert by tightening them down with a 10 mm socket and ratchet.

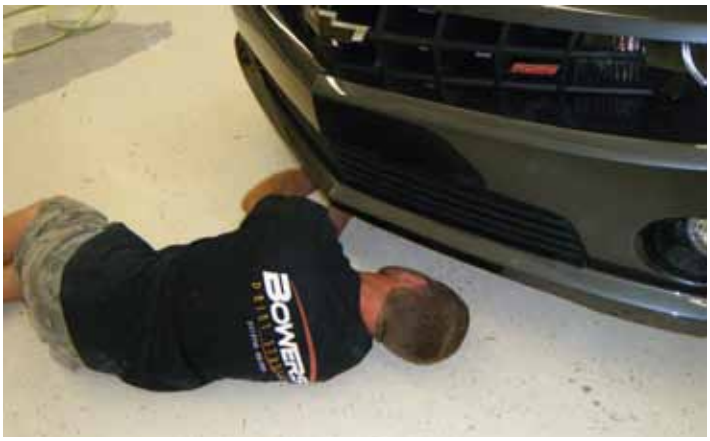
NOTE: Take care when tightening the 10 mm nuts to not overtighten them.

24. This illustration shows the placement of the LPE shield and emblem that are to be placed on the grille insert after it has been painted. These locations are the same for the carbon fiber insert as well.

⚠CAUTION

25. Re-connect the wiring harness electrical connector on the inside of the front fascia.

26. Place the bumper onto the front of the vehicle. Take care to not scratch the bumper or quarter panels.



27. Using a 10 mm socket and ratchet, re-install the two (2) lower support bolts and torque to 62 in-lbs (7 N-m).

28. Using a 10 mm socket, re-install the two (2) bolts located inside the driver and passenger side wheel wells. Torque these bolts to 62 in-lbs (7 N-m)

29. Using a 10 mm socket and ratchet, re-install the nut that is located in passenger and driver side wheel wells. Torque this bolt to 62 in-lbs (7 N-m).

30. Re-install the three (3) scrivets located in the passenger and driver side wheel wells. Torque these scrivets to 27 in-lbs (3 N-m).

31. Using a 10 mm socket and ratchet, install the six (6) bolts for the top of the bumper supports removed in steps 1-3. Torque these bolts to 62 in-lbs (7 N-m).

32. The installation of the LPE grille insert is now complete.

For additional product installation information and technical support, contact LPE or your LPE products distributor. You can also find technical support and usage discussions regarding this product and many other LPE products in our Internet forums:

http://www.lingenfelter.com/LPEforumfiles

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