

Open This First!

TechAFX.com

1967-68 Camaro, Pn 220110

Instructions

Bottom Feed Kit, PN 220110

Vehicle: 1967-68 Chevrolet Camaro

Follow these step-by-step instructions to properly install the Bottom Feed kit on a 1967-68 Camaro.



Contents List (to check box contents)

Description	Quantity
Bottom Feed kit	1
5/16 inch dia. stainless bolt/washer/nuts	2

Tools to perform install:

Box knife (or razor blade)

Side cutter pliers

7/16 and 1/2 inch combination wrenches

5/32 and 3/16 inch Allen sockets

Ratchet wrench, 3/8 inch size drive

Socket extension, 6 inches long for 3/8 inch drive

Torque Wrench, in-lb units

Floor Jack, hydraulic (Optional)

Jackstands, 2 (Optional)

Bottom Feed Air kits honor the original factory look while improving the overall performance of the vehicle.



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Installation Process

1. Open This First



Thanks for heeding our suggestion here! These instructions will walk you through the install of the TechAFX Bottom Feed Air kit on a 1967-68 Chevy Camaro. Create a clean open area to perform work & lay out all the tools needed (see list on inside cover).

2. Open Box



Using a box cutter, cut the tape on one end of the box. Peel open the box flaps.

3. Slide out kit



Reach in and pull out the Bottom Feed kit. The boxes are filled with packing peanuts, so be prepared to properly dispose of these at this time.

4. Cut ziptie



Using a pair of side cutting pliers, cut the ziptie at the end of the protective shipping bag. Remove the cut ziptie from the bag.

Testing Proves the Bottom Feed Air systems reduces engine coolant temperature over 7 degrees F!



TechAFX installed a Bottom Feed Air kit on a 1969 Camaro convertible and performed extensive testing vs. the car with no spoiler and the stock spoiler. The results showed the Bottom Feed Air kit reduced engine coolant temperatures an average over 7 degrees!

Look for more details at TechAFX.com.



5. Remove fasteners bag



Pull off the bag holding the assorted stainless steel fasteners provided to install the Bottom Feed kit on your 1967-68 Camaro. Set this on your work mat.

6. Set up work area



Find something large and soft to work on—in this case, we used a industrial rug. Then, pull the Bottom Feed Air kit out of the protective shipping bag and set it on the pad.

7. Remove 'L' bracket



The center 'L' bracket on the main mounting plate for the Bottom Feed kit needs to be removed to install the kit on your vehicle. Using the 5/32 inch Allen socket/6 inch extension/3/8 inch ratchet wrench & 3/8 inch wrench, unthread both bolt/nut

8. Remove two outboard fasteners



In preparation for installing kit, remove the 5/32 inch fasteners holding the spoiler & mounting plate together at the ends. Use a 5/32 inch Allen with a 3/8 inch wrench underneath. Save these fasteners as they will be reinstalled after the kit is mounted to the vehicle.

9. Remove 3/16 inch Allen bolts



Remove the two stainless steel (all the fasteners included with the Bottom Feed Air kits are stainless steel) bolts/washers/nut assemblies from the included clear bag. These will be used to mount the Bottom Feed Air kit to the vehicle.

10. Install Bottom Feed 'L' bracket



Some vehicles will have a ride-height that is too low to install the Bottom Feed kit without raising it—in these instances, the vehicle will need to be jacked up in the front & placed on two jackstands (locate these at the red arrows). If another type of spoiler is on the vehicle, remove it at this time.

11. Remove center bolt on rad support



Using the 7/16 inch wrench, remove the center bolt on the lower lip of the radiator core support. This bolt holds a factory bracket that comes off the front lower valence to the radiator core support. This will be reinstalled, so plan on spraying its threads with some WD40 in prep for hand starting it back in the hole.

12. Install center 'L' bracket



The bracket needs to be lightly pushed forward so the 'L' bracket for the Bottom Feed kit can be slid in between the bracket and core support, as shown. Hand start the factory bolt back in the threaded hole and tighten it to hand tight.

13. Lift Bottom Feed kit into position



Slide one end of Bottom Feed Air plate over the top of the fender/valence opening (as shown). Make sure the front edge of the main plate is above the rearward lip of the front lower valence panel (this position maximizes the airflow going into the radiator).

14. Separate mounting plate/spoiler



As the body mounting hole for the Bottom Feed Air kit approaches the body mounting flange, push the spoiler and plate apart $\frac{1}{2}$ inch ($\downarrow\uparrow$). Continue to slide Bottom Feed kit mounting hole towards body mounting hole (\checkmark).

15. Install first of two fender bolts



Using provided bolt/washers/nut in plastic bag, insert bolt upward thru fender body mounting hole & Bottom Feed kit mounting plate. Push spoiler slightly forward. Tighten bolt to hand tight with $\frac{5}{16}$ inch Allen and hold nut with $\frac{7}{16}$ inch wrench.

16. Install other end of kit



Carefully swing the other end of the Bottom Feed Air spoiler kit rearward in car position about 6 inches as you bring it up the same height as the side you just installed (to maneuver it around the lips of the fender and valence panels).

17. Spread spoiler & mounting plate



Place the leading edge of the main plate above the rear edge of the front lower valence panel & push spoiler down ½ inch as you position it at body mounting hole. Install the 3/16 inch Allen bolt/washers/nut combo & torque both body mounting bolt assemblies to 104 in-lbs.

18. Install center bolts/washers/nuts



Push the two ¼ inch diameter stainless steel 'L' bracket (with washer on bottom) bolts up through the holes in main plate & 'L' bracket. Hand start the nut (arrow). Tighten with a 5/32 inch Allen and 3/8 inch wrench.

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19. Install two 5/32 Allen bolts



Reinstall bolt/washers/nut assemblies removed in Step 8 by inserting bolt/washer combo downward through each end of mounting plate (arrow) & hand start washer/nylock nut. Use 5/32 inch Allen socket/3/8 inch ratchet with 3/8 inch wrench underneath to tighten bolt/nut combo hand tight.

20. Install rest of Bottom Feed kit



Go back over all of the fasteners and tighten everything to 104 in-lbs. The blue arrows are pointed at the original body fasteners—these will not be accessible now (they should have been torqued to 104 in-lbs in Step 17. Make sure the remaining five fastener combinations are final torqued.

Thank You for buying from
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TechAFX Bottom Feed Air products provide their performance gains without any additional input of energy—literally from THIN AIR!



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