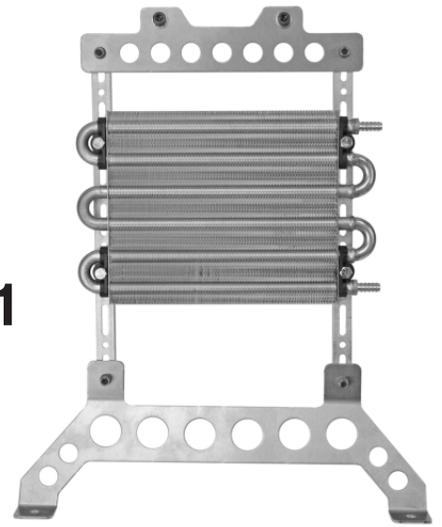




Flex-a-Fit[®]
ALUMINUM RADIATORS



COOLER KIT - CAMARO 2010-2011

Part #4116C

“Direct fit” auxiliary transmission cooler

Note: May not fit with some aftermarket superchargers.

Note: Always read instructions and verify kit contents prior to installation.

Cooler	1 ea.
Top Bracket (small)	1 ea.
Bottom Bracket (large)	1 ea.
Channel	2ea.
Rubber Hose @ 4ft.	2ea.
Instruction Sheet	1 ea.
Warranty Card	1 ea.
Flex-a-lite Decal	1 ea.
*Hardware Kit	1 ea.

*** Hardware Kit Includes:**

bolt hex head 5/16-18 x 1-1/2” (2ea)
bolt hex head M8-1.25 x 30mm (2ea)
bolt hex head 1/4-20 x 1-1/2” (4ea)
cap screw socket head 1/4-20 x 3/4” (4ea)
u-nut 5/16-18 (2ea)
nut nylock 1/4-20 (4ea)
lock washer 5/16” I.D. (4ea)
lock washer 1/4” I.D. (4ea)
plastic spacer, large .375” thick (4ea)
gatorclip 1/2” (8ea)
worm drive hose clamp (4ea)
nylon tie straps (4ea)

INSTALLATION INSTRUCTIONS

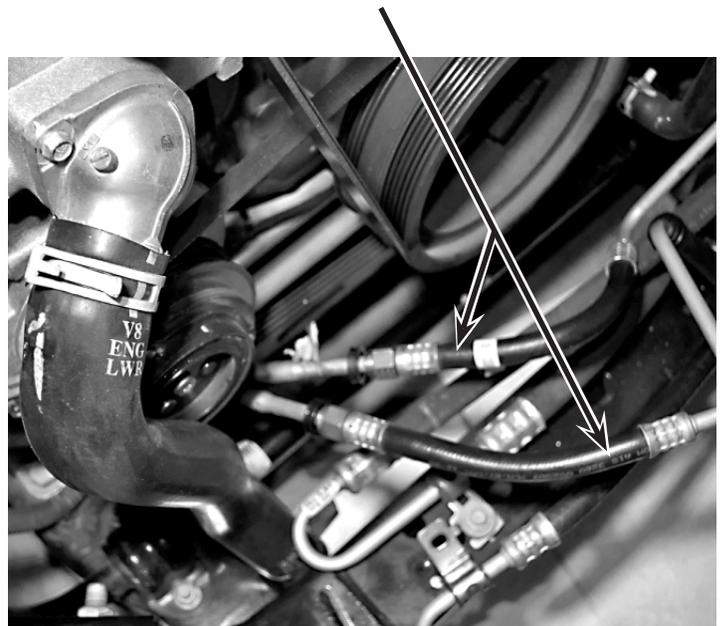
We recommend installing the transmission cooler kit when the radiator has been removed from the vehicle. The additional room allows for easier access to the tight space where the cooler is to be installed.

Instructions for removal of the Camaro 2010-2011 stock radiator can be downloaded. Visit www.flex-a-lite.com and download the PDF for the Camaro radiator & fan kit #56488.

BE SURE THE ENGINE IS COOL BEFORE PROCEEDING!

1. After the radiator has been removed, disconnect the short sections of flexible hose (2ea) from the metal transmission cooling lines. **(see Detail A)** Cap the ends of metal transmission cooling lines to prevent transmission fluid from leaking.
2. Loosen metal bezel just above hood latch by removing adjustable hood stops (2ea), plastic push-in fasteners (6ea) and bolts 10mm (4ea). Loosen bolts 13mm (2ea) attaching hood latch mechanism to radiator support and allow latch to move downward. Gently pull out metal bezel from under plastic lip being careful not to catch on hood latch release lever. **(see Detail B on next page)** Finish removing bolts attaching hood latch. **(see Detail C on next page)**
3. Attached to the hood latch is an electrical connector. Unplug connector and move hood latch out of the way.
4. Reach down into the space that the cooler will be mounted into and remove the large plastic push-in fasteners (2ea) at the bottom securing the plastic cowl bottom.

Remove short sections of flexible transmission coolant lines



Detail A

Installation instructions continued from previous page

5. From under the vehicle install “u-type” nuts (2ea) onto edge of metal support. The threads of the u-nuts will be facing downward and should be directly aligned with the holes exposed from removing the large push-in fasteners from previous step #4. (see Detail D)

Push-in fasteners Adjustable hood stop Bolts 10mm



Detail B

Removal of hood latch mechanism

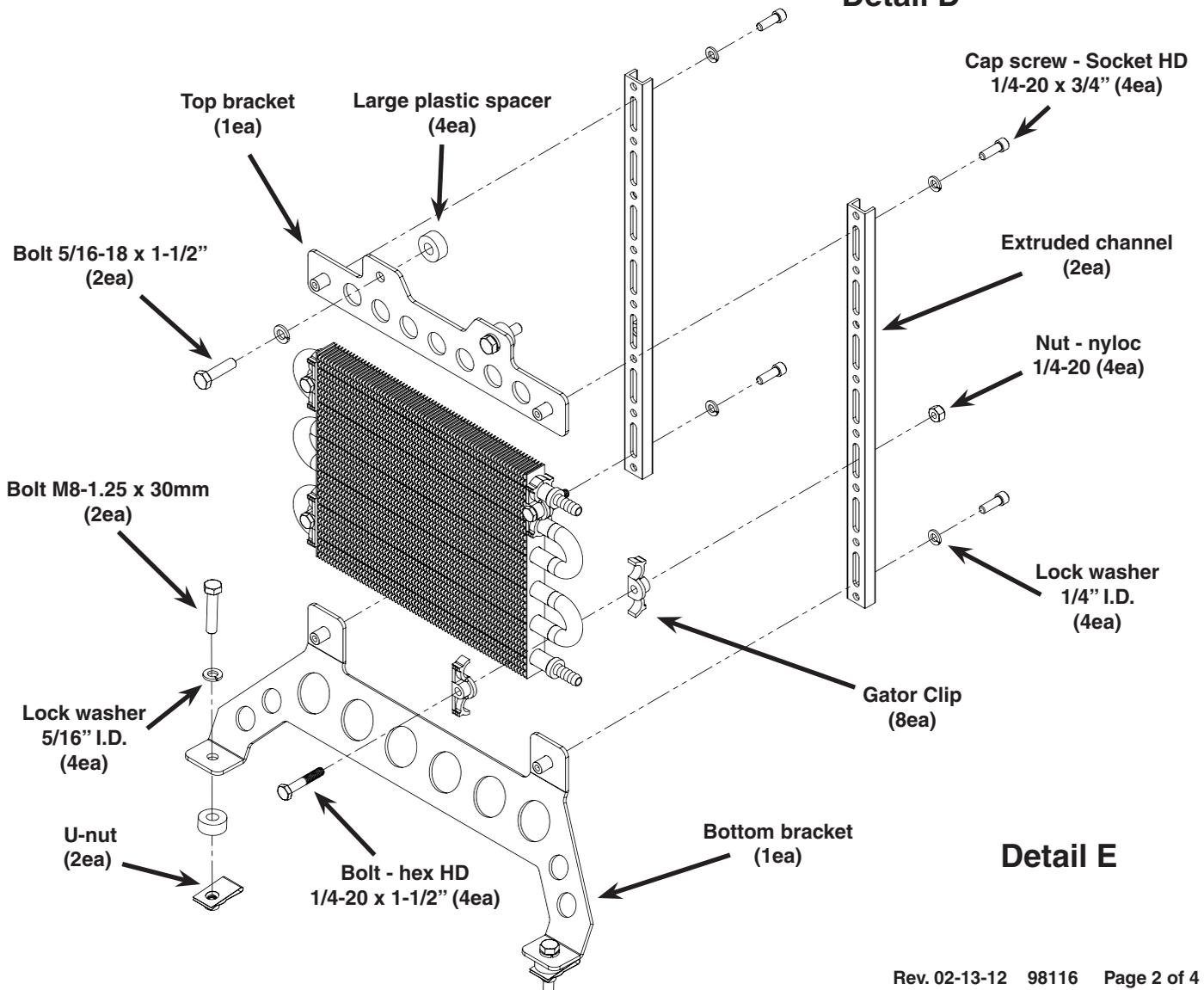


Detail C



Detail D

6. Assemble the brackets, channels, and cooler as shown in the exploded view. Securely attach cooler to channel. Loosely assemble channel rails to top and bottom brackets. The assembly needs to be loose to align the top bracket to the radiator support. (see Detail E)



Detail E

Close up view of cooler secured to channel.

Tubes of cooler are sandwiched between gator clips then attached to channel at four spots. Each spot is secured with bolt and nyloc nut.



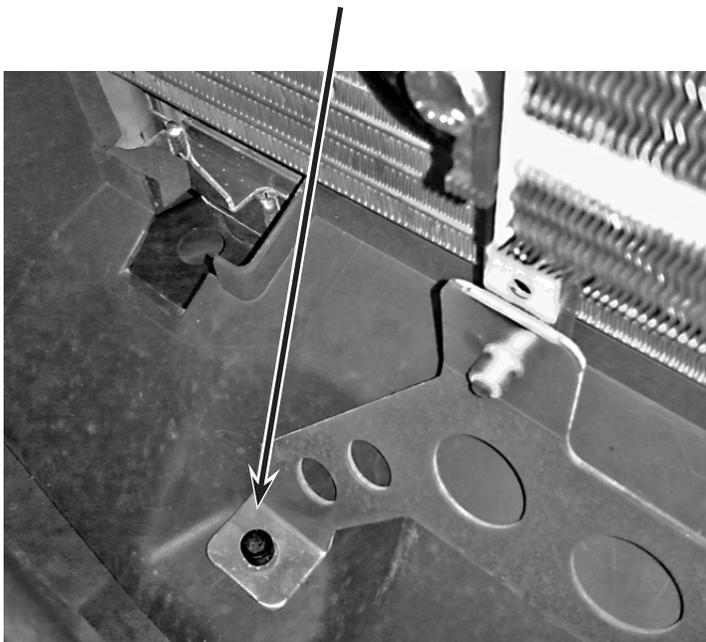
Close up view of channel secured to top bracket.

Leave cap screws loose during installation. After top and bottom brackets are secured to vehicle go back and tighten cap screws to channels.



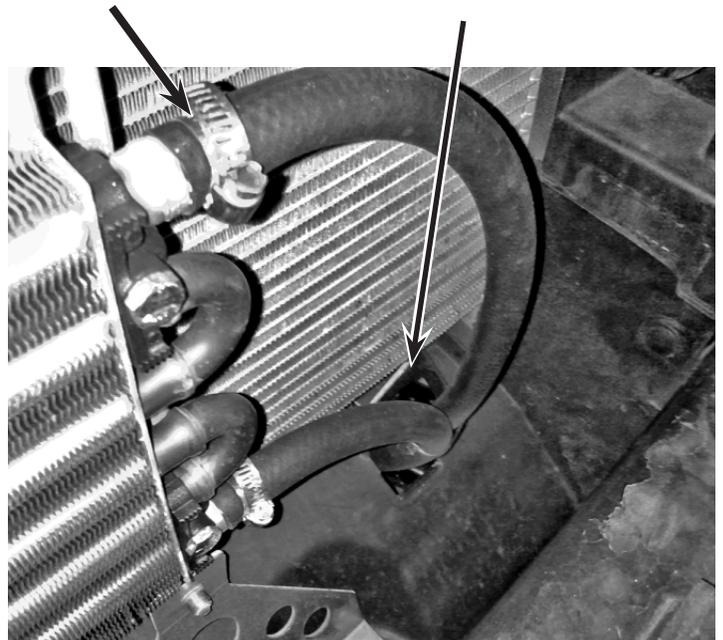
7. Attach provided hoses (2ea) to fittings of cooler utilizing provided hose clamps (2ea).
8. Position large plastic spacer (2ea), 1ea. per hole, above / aligned with the holes at bottom of plastic cowling. These spacers act to space the bottom cooler bracket just off the bottom.
9. Position the cooler/bracket assembly onto the large plastic spacers. Place lock washers 5/16" (2ea) onto bolts 5/16-18 x 1-1/2" (2ea) and insert bolts through bottom bracket, through large plastic spacers, through plastic cowling and finally into pre positioned u-nuts. **Thread bolts in loosely but do not tighten just yet.** When the cooler assembly is in place, feed the attached hoses through the molded opening of the plastic cowling at bottom along driver's side. (see Detail F & G)
10. Place lock washers 5/16" (2ea) onto bolts M8-1.25 x 30mm (2ea) and insert bolts through top bracket, large plastic spacers (2ea), 1ea. per hole and align with threaded holes near top of radiator support. The target holes are just under the threaded holes used to secure the hood latch mechanism. (see Detail H on next page)
11. Go back and tighten all mounting hardware when the cooler/bracket assembly has been properly positioned.

Mounting position of bottom bracket



Detail F

Hose clamp Rout hoses through bottom opening on driver's side

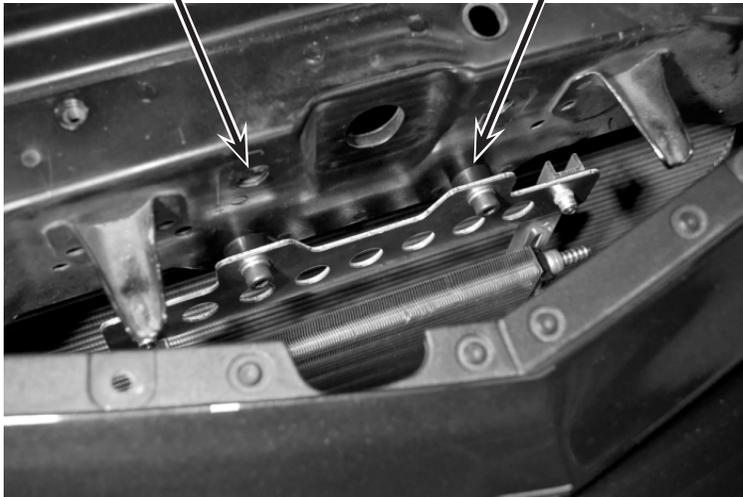


Detail G

12. Route hoses to metal transmission cooling lines. Be mindful to leave plenty of room for installation of radiator. Remove capped ends from transmission cooling lines and attach hoses. Secure with provided hose clamps (2ea). Trim hose lengths as necessary to provide a clean fitment. Use provided nylon tie traps to secure routed hoses. Inspect hoses so no rubbing occurs on sharp edges. **(see Detail I)**
Note: To help with sliding of hoses onto metal lines, coat ends of metal lines with clean transmission fluid.
13. Install radiator into vehicle. If installing Flex-a-lite radiator kit #56418 or radiator & fan kit #56488 reference instructions provide with kits or visit www.flex-a-lite.com and download the PDF.

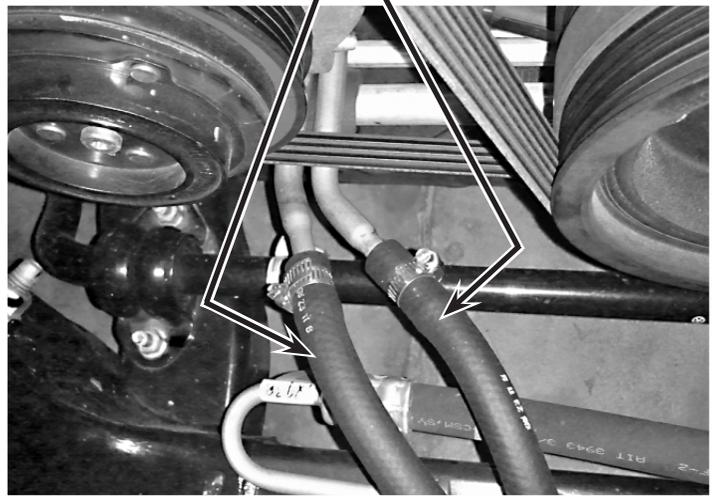
Threaded hole for hood latch mechanism.

Threaded hole for top cooler bracket.



Detail H

Trim and attach hoses to transmission cooling lines.



Detail I

14. **Note:** We suggest following the vehicle manufacture's recommended transmission fluid level checking and filling procedure before operating the vehicle on the road. The transmission on this vehicle does not come equipped with a fill tube and dipstick.

The Flex-a-lite Limited Warranty

Flex-a-lite Consolidated, 7009-45th St. Ct. E. Fife, WA 98424, Telephone No. 253-922-2700, warrants to the original purchasing user, that all Flex-a-lite products to be free of defects in material and workmanship for a period of 365 days (1 year) from date of purchase. Flex-a-lite products failing within 365 days (1 year) from date of purchase may be returned to the factory through the point of purchase, transportation charges prepaid. If, on inspection, cause of failure is determined to be defective material or workmanship and not by misuse, accidental or improper installation, Flex-a-lite will replace the product free of charge, transportation prepaid. **Flex-a-lite will not be liable for incidental, progressive or consequential damages.** Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may have other rights, which vary from state to state. The Flex-a-lite warranty is in compliance with the Magnuson-Moss Warranty Act of 1975.