

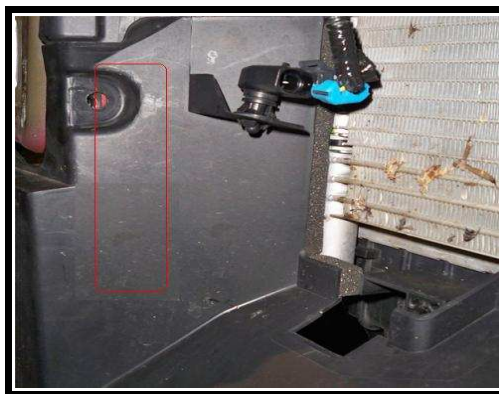


5th Generation Camaro Auxilliary Transmission Cooler Kit P-120016

1. Remove front bumper (refer to factory service manual).
2. Remove bumper support (three 13mm bolts on each side).
3. Disconnect ambient temp sensor, and remove lower air dam (four pushpins).
4. Install j-clips to the locations that the pushpins came out of, threaded side facing up (on the bottom support rail) and facing inside (on the side rails).
5. Install brackets to transmission cooler as shown in photo. Leave brackets fairly loose until later.



6. Lay lower air dam back into place. Loosely install 1" bolts through brackets into j-clip.
7. The lower air dam will require some trimming on the passenger side and also on the driver's side (for the transmission lines). When installed over the air dam, make an outline on the passenger side where the plastic will need to be trimmed. The bracket needs to lay flat against that side, you will see that you need to trim the 'hump' out of that side to let it fit correctly.



Mark and trim this area

8. After trimming for bracket clearance, draw an oblong oval on the driver's side of the air dam where you would like the transmission lines to come through. This hole should be large enough to pass the black fitting through, and to allow the lines enough room so they do not chaff.
9. When satisfied with the trimmed air dam, reinstall the cooler and brackets over it, and tighten

everything.

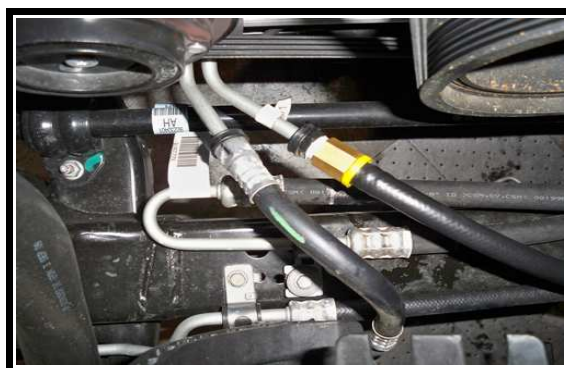
10. There are two cooler lines coming forward from the transmission. Disconnect and remove the one closest to the drivers side, this is the return line.
11. Install fittings together as shown in this photo below.



12. Take one end of the rubber hose and install it over the black pushlock fitting end of the CNC'd fitting you just put together. It helps to coat the barbed end of the pushlock fitting with grease first, and then press against a hard surface until fully seated.
13. Insert the silver CNC'd fitting into the radiator. Run the hose to the BOTTOM transmission cooler fitting. Cut at an appropriate length, then install another black pushlock fitting to the end of that hose. Run through air dam to front, and tighten to cooler.



14. Install one end of the hose over the brass NPT fitting, once again seating it all the way. Install black female fitting onto the car's factory transmission line, and run the line forward to the cooler. Measure appropriately and cut.



15. Install last black pushlock fitting into cooler end of hose, and install to top fitting of cooler.



16. Refer to GM service manual for transmission refill procedure. Depending on how much you spill, it will require adding about .5qt to 1 qt. After verifying transmission is full and there are no leaks, reinstall front bumper.