

Z7 Air/Air Intercooler Kit

To install the optional air/air IC kit, start by removing the front bumper cover. You will need to enlarge the hole in the driver side inner fender. This can be done with a cut-off wheel or reciprocating saw. Make sure you have the turbocharger and throttle body openings covered to avoid getting metal shavings in them.



Fenderwell opening on 2004 Grand Prix.



Fenderwell opening on 1999 Grand Prix.

Note: 2004+ Grand Prix requires a notch cut into the hood latch brace as shown here:



To mount the front mount intercooler, place it against the bottom side of the bumper support and hood latch brace. Using a marker, mark all 3 bolt hole locations. Drill a $\frac{1}{4}$ " on each end of the bumper support and a $\frac{5}{16}$ " hole in the hood latch brace. Use the tapered bolts provided to secure the intercooler to the bottom side of the bumper support.



Intercooler attached to the bumper support.

Use the 1/4" nut and bolt to secure the intercooler to the hood latch brace.



Top intercooler bracket on 2004 Grand Prix.

Assemble the charge tubes as shown and connect with the provided T-bolt clamps.



U-bend travels under the radiator core support. You may need to cut part of the bracket off the front driver side cradle bracket on some steel cradle equipped cars.



Charge tubing through the fender opening.



Charge tubes on an 04 GT with optional LT1 MAF setup.



The rear charge tube shown here is bolted to the existing bolt hole in the inner fender as well as to the front charge tube.



Blow-off valve attached to the charge tube. Connect the blow-off valve to any vacuum source after the throttle plate.

Be sure to tighten all of the T-bolt clamps. Check for adequate ground clearance and be careful when parking up to a curb.