

Z1 AIR TO AIR INTERCOOLER BOOST LEAK TEST INSTALLATION MANUAL



PROLOGUE:

Study these instructions completely before proceeding to assembly. The installer must have a thorough knowledge of automotive systems operation. If unfamiliar with any of the concepts outlined in this instruction, we recommend the installation be completed by a qualified professional.

WARNING!

Extreme caution should be taken when performing maintenance or performance upgrades to your vehicle. Please observe and abide by any Warning or Caution labels placed on the various components and tools used when servicing your vehicle. If you have any questions regarding installation or the various components included with the Z1 Motorsports A2A Intercooler Kit Boost Leak Test Kit, consult with a Professional Mechanic, or contact Z1 Motorsports for more information.

PARTS INCLUDED:

Item	Quantity	Description
1	1	Boost Leak Tester with Gauge
2	1	Boost Leak Test without Gauge
3	2	Silicone Coupler
4	4	Hose Clamp

TOOLS REQUIRED:

- Air Compressor
- Ratchet
- Ratchet Extension(s)
- Assorted Metric Wrenches
- Assorted Metric Sockets
- Pliers

SAFETY REQUIREMENTS:

- Always wear safety glasses and any necessary protective garments. If using any fluids, chemicals, or solvents, a respirator is recommended.
- Always turn the ignition to the OFF position and disconnect the NEGATIVE battery terminal.
- Always use properly rated jack stands when working under your vehicle.
- Always keep limbs and parts away from moving drivetrain parts.
- Only operate drivetrain in safe space and well-ventilated areas.

BEFORE YOU BEGIN:

Remove contents from the Z1 Motorsports A2A Boost Leak Test Kit and verify that ALL necessary hardware is present.

PROCEDURE:

1. Place the transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.
2. Remove the Bumper from the vehicle if necessary. Refer to the [Z Air to Air Intercooler Guide](#) if necessary.
3. Remove the (2) two Air Filters from the Intake System.
4. Locate the Boost Leak Tester without the Gauge, (1) one Silicone Coupler, and (2) two Hose Clamps. Install the Silicone Coupler onto one of the Intakes and secure with a Hose Clamp. Install the Boost Leak Tester as shown and secure with the second Hose Clamp. *Figure 1.*

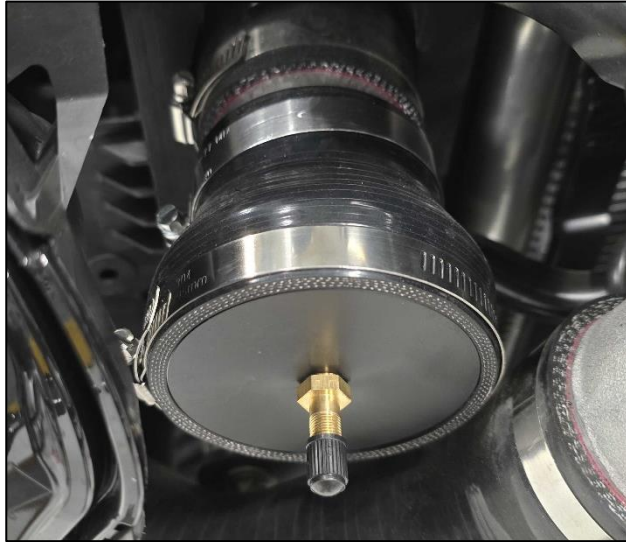


Figure 1

5. Locate the Boost Leak Tester with the Gauge, (1) one Silicone Coupler, and (2) two Hose Clamps. Install the Silicone Coupler onto the other Intake and secure with a Hose Clamp. Install the Boost Leak Tester as shown and secure with the second Hose Clamp. *Figure 2.*



Figure 2

6. Using an Air Compressor, connect to the Boost Leak Tester with the Gauge. *Figure 3.*

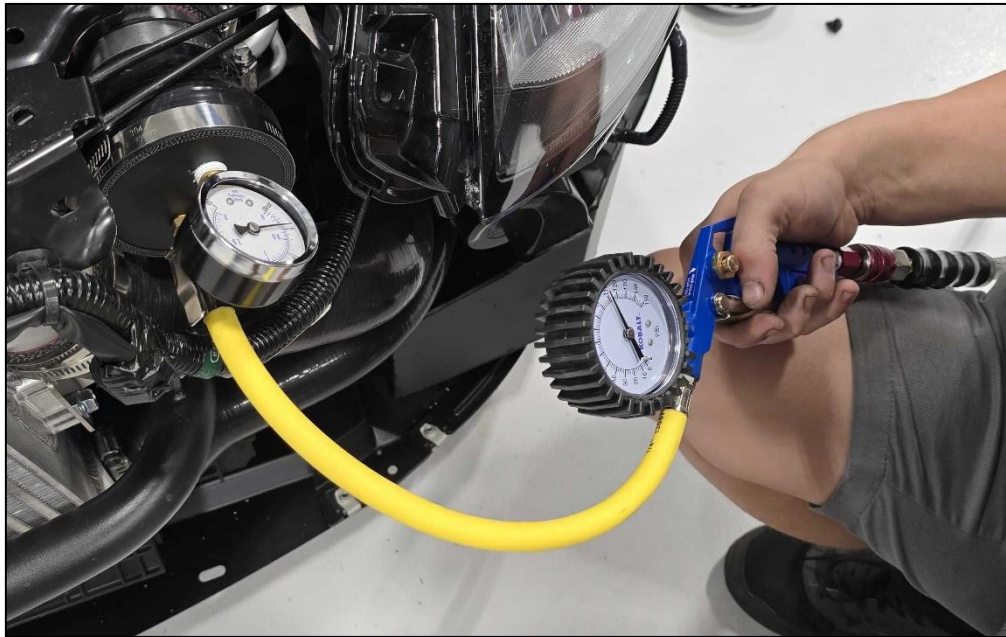


Figure 3

7. Pressure the Intake System **UP TO 10 PSI. GOING OVER 10 PSI CAN RESULT IN THE SEALS OF YOUR ENGINE BEING BLOWN OUT.** *Figure.*
 - a. If the pressure of the system stays around 10 psi, or slowly bleeds off pressure, you have no leaks.

- b. If the pressure of the system quickly drops psi, or you can hear air leaking out, you have a leak in the system. Investigate all hoses and clamps. Readjust and tighten clamps as necessary and repeat the Boost Leak process.



Figure 4

END

Additional Technical Support:

Contact Z1 Motorsports at info@z1motorsports.com

Or call 770-838-7777 between 9am and 6pm ET