



Earl's Exhaust Back Pressure Plumbing Kit

P/N PK0001ERL



Kit Contents:

Part Number	Description	Quantity
52R727	-4AN Stainless Steel Hardline 18" in Length	1
961504ERL	-4AN Male to Male Union	1
968704ERL	-4AN Male to 1/8 NPT Female Adapter	1
171014ERL	7/8" Cushion Clamp	1
5R2651	Stainless Steel 8/32 x 1/2 Hex Screw	1
39R508	Stainless Steel 8/32 Nylon Locking Nut	1
967104ERL	Steel -4AN Male Weld On Boss	1
64191924ERL	-4AN 24" Speed-Flex Hyperfirm Pre-Made Hose	1

Installation Instructions

1. Locate the area you wish to measure exhaust back pressure and drill a 13/16" hole for the -4AN Male Weld On Boss.

NOTE 1: Metal shavings may enter the exhaust system. Ensure exhaust is clean of shavings before starting engine.

NOTE 2: Do not locate the backpressure port in extremely close proximity to the Oxygen Sensor or on curved sections of exhaust piping – as flow turbulence and flow dynamics can adversely affect pressure sensor accuracy and repeatability.

2. Weld the -4AN Male Weld-On Boss in small sections, pausing after each bead to limit the amount of heat transferred into the weld-on boss. This will reduce the risk of deformation to the threaded section of the boss.
3. Once welding is complete, allow the welded area to fully cool before proceeding.
4. Connect the hardline section to the weld-on boss. To assist with heat dissipation, do not shorten the length of the hardline. If the length needs to be decreased, bend the line into a coil shape. See **Figure 1**.



Figure 1 – Formed Hardline

5. Tighten the -4AN Male to Male Union to the formed hardline.
6. Install the -4AN 24" Speed-Flex Hyperfirm Pre-Made Hose to the -4AN Male to Male Union.
7. Choose a location to mount the pressure transducer (sold separately), within reach of the 24" hose.

NOTE: The transducer must be mounted in a location where it will not be subjected to extreme vibration or temperature fluctuations.

8. Apply thread sealant to the 1/8 NPT threads and attach the -4AN Male to 1/8 NPT Female Adapter to the transducer.
9. Secure the 7/8" cushion clamp around the transducer and mount it using the supplied 8-32 stainless hardware.
10. Route the -4AN 24" Speed-Flex Hyperfirm Pre-Made Hose to the -4AN Male to 1/8 NPT Female adapter on the transducer. Secure the hose to ensure it does not come in contact with any extreme heat sources.

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