

# 1999-2004 Ford SVT Lighting 5.4L Installation Instructions

***Thank you for your purchase, we appreciate your business!***

**Do not attempt this installation if proper safety equipment isn't available to you. Seek the assistance of a professional installer. Read and understand all directions before starting any of the instruction process.**

A lift is highly recommended in the installation process of these components. If a vehicle lift is not accessible to you, a jack and four jack stands may be substituted. It is recommended to refer to your owner's manual before raising and supporting any vehicle. A basic understanding of general hand tools and vehicle mechanics is also recommended.

Always disconnect the negative battery terminal before beginning this type of work on any vehicle.

## **Driver Side Header**

STEP 1 – Remove Hubcaps and break torque on wheel nuts

STEP 2 - Raise and support the vehicle (Refer to owner's manual on specified jacking points). Remove Wheels.

STEP 3 – Remove left and right inner fenders. There should be 3x 7/32 bolts in the wheel arch, and 5x "Xmas Tree" plugs that retain the liner. Be careful, as there are two connectors on the engine side of the liner which retain the ABS Sensor and harness. These connectors may be easily accessed once the liner drops away from the fender.

STEP 4 – Disconnect EGR Fitting from Manifold.

STEP 5 – Disconnect O2 Sensor Harness

STEP 6 – Remove driver side mid-pipe

STEP 7 – Disconnect block heater if applicable

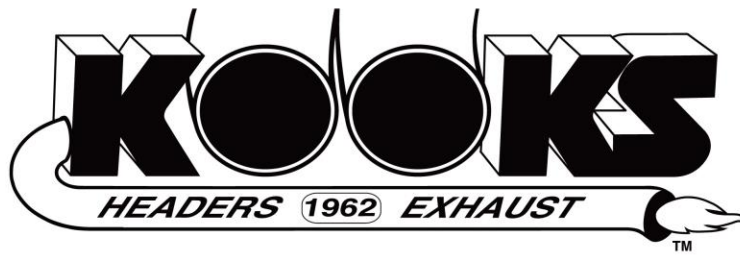
STEP 8 – Working from the fender well, remove drive side manifold.

STEP 9 – Install front oxygen sensor extension harness.

STEP 10 – Clean cylinder head gasket surface and chase manifold bolt holes.

**Kooks Custom Headers – 141 Advantage Place. Statesville, NC 28677**

[www.kookscustomheaders.com](http://www.kookscustomheaders.com)



STEP 11 – Remove oil dipstick and tube

STEP 12 – Install manifold gaskets and 4x lower manifold bolts leaving at least  $\frac{3}{4}$ " of the threads exposed

STEP 13 – Install driver side header by passing up from the bottom and hang the flange from the 4x lower bolts you installed in previous step (Will need assistance from second person).

STEP 14 – Ensure gaskets are properly aligned and install 4x top bolts. Evenly tighten all bolts until snug then torque header bolts to specification.

STEP 15 – Reinstall oil dipstick and EGR tube. Reconnect block heater if applicable and inspect for any fitment issues.

### **Passenger Side Header**

STEP 16 – Disconnect O2 sensor harness

STEP 17 - Remove passenger side mid-pipe.

STEP 18 – Disconnect starter wires

STEP 19 – Unbolt but do not remove transmission dipstick and tube.

STEP 20 – Working from the fender well, remove passenger side manifold. Refer to STEP 8 above for more info.

STEP 21 – Install front oxygen sensor extension harness

STEP 22 – clean cylinder head gasket surface and chase manifold bolt holes.

STEP 23 – Install manifold gaskets and 4x lower manifold bolts leaving at least  $\frac{3}{4}$ " of the threads exposed.

STEP 24 - Install Passenger side header by passing up from the bottom and "hang" the flange from the 4x lower bolts you installed in Step 13 (Will need assistance from second person, bending or removal of some heat shields may be required).

STEP 25 - Ensure gaskets are properly aligned and install 4X top bolts. Evenly tighten all bolts until snug. (Some bending of the transmission dipstick tube may be required to run up over the number 4 primary, be careful not to damage anything during this process).

STEP 26 - Bolt transmission dipstick tube back into factory location. Torque Header Bolts to specification

STEP 27 - -Reconnect Starter wires if required. Inspect for any fitment issues.

STEP 28 - Install and connect both front O2 sensors to the BBK harnesses.

**Kooks Custom Headers – 141 Advantage Place. Statesville, NC 28677**

[www.kookscustomheaders.com](http://www.kookscustomheaders.com)