



1997-2004 C5 Corvette – 304SS, 1 7/8” Long Tube Headers – 11139FLT

1997-2004 C5 Corvette – 304SS, 1 7/8” Long Tube Headers + Off-Road X & Mid Pipes – 11140FLT

(For Off-Road Use Only)



NOTE: Read all instructions carefully before attempting the installation.

Thank you for making FLOWTECH HEADERS your choice in a high-performance exhaust system. Extensive dyno/street/track testing has enabled FLOWTECH to offer the most advanced design in headers for your application. Proper installation and maintenance will ensure long life and maximum performance from your FLOWTECH exhaust system.

| P/N 11139FLT | |
|--------------|----------------------------------|
| Qty | Description |
| 2 | Header Gaskets |
| 4 | Collector Bolts (M10 x 1.5 x 65) |
| 4 | Collector Nuts (M10 x 1.5) |
| 4 | Collector Flat Washers (M10) |
| 4 | Collector Lock Washers (M10) |

| P/N 11140FLT | | | |
|--------------|--|-----|---------------------------------|
| Qty | Description | Qty | Description |
| 2 | Header Gaskets | 2 | Mid Pipe to Axle-Back Gaskets |
| 4 | Collector Bolts (M10 x 1.5 x 65) | 4 | Mid Pipe Bolts (M10 x 1.5 x 40) |
| 4 | Collector Nuts (M10 x 1.5) | 4 | Mid Pipe Nuts (M10 x 1.5) |
| 4 | Collector Flat Washers (M10) | 4 | Mid Pipe Flat Washers (M10) |
| 4 | Collector Lock Washers (M10) | 4 | Mid Pipe Lock Washers (M10) |
| 2 | X-Pipe to Mid Pipe Clamps (3 x 1.275") | | |

NOTE: There are no header bolts included. Reuse the factory exhaust manifold bolts.

REMOVING THE STOCK EXHAUST

Presoak the studs to the catalytic converters with WD-40® (or equivalent) prior to starting installation

1. Place the vehicle on a flat solid surface, set the parking brake, and block the front wheels.
2. Disconnect the negative terminal of the battery. Lift the vehicle and support with jack stands.
3. From underneath the car, disconnect the front oxygen sensors and unbolt the catalytic converter assembly from the factory exhaust manifolds.
4. From the top, remove the engine covers, spark plug wires, and spark plugs.
5. Disconnect the emissions fittings from the manifolds. Note that P/Ns 11139FLT and 11140FLT are for off-road use only and do not have fittings to accommodate EGR/AIR tubes.

WARNING! Emissions removal is intended for OFF-ROAD use ONLY!

6. Remove the dipstick bolt from the manifold and remove the dipstick. Retain the bolt for later use.
7. Disconnect the coil pack connectors and unbolt the coil pack brackets from the valve covers.
8. Remove the exhaust manifold bolts and remove the manifolds from the top.

INSTALLATION OF HEADERS

1. Clean the exhaust port sealing surface to remove any dirt or gasket material that may affect the sealing performance of the gasket and cause leaks. **Repair any damaged threads or broken bolts.**
2. Install the **LEFT** header assembly from the bottom. Install supplied gasket (check the bolt pattern for proper alignment) and loosely install the header bolts. Some applications may require the body lip under the vehicle to be bent slightly in order to gain clearance near the header collector. Check that the gasket is installed properly and tighten all the bolts to the manufacturer's torque specifications starting in the center and working out towards the ends of the flange.
3. Install the **RIGHT** header assembly from the bottom. Install supplied gasket (check the bolt pattern for proper alignment) and loosely install the header bolts. Some applications may require the body lip under the vehicle to be bent slightly in order to gain clearance near the header collector. Check that the gasket is installed properly and tighten all the bolts to the manufacturer's torque specifications starting in the center and working out towards the ends of the flange.
4. Install the left and right pre-catalyst O2 sensors in the header collectors and connect to the O2 sensor harness. Make sure the harness is routed away from the exhaust pipe.
5. Reinstall the dipstick and fasten to the header with the factory bolt.
6. Reinstall the coil packs, spark plugs, and wires. Double check all electrical connections and bolts. Are the O2 sensors tight?
7. If installing kit #11140FLT, install the X-pipe and mid pipes with the supplied hardware and tighten the fasteners to factory specs. The mid pipes are designed to bolt up directly to the factory 2-1/2" axle-back exhaust using the supplied gaskets and fasteners.
8. Connect the battery, start the engine, and check for leaks. Re-check your work before lowering the car.
9. Remove the jack stands and lower the car. After 150 miles, recheck all connections and clamps.

LIMITATION OF LIABILITY – DISCLAIMER:

The regulation of emissions production, noise levels, and safety standards is undertaken by the federal government, each of the fifty state legislatures, and by many local municipalities, towns, and counties.

FLOWTECH makes no warranties of merchantability, of fitness for particular purpose, or that its products are approved for general use, or that its products are approved for general use, or that its products comply with laws, regulations, or ordinances in the state where they may be sold to the ultimate purchaser, the consumer.

Unless expressly stated to the contrary in the catalog, instruction sheet; or price list, the entire risk as to the conformity of any company product in any such state and as to repair should the product prove to be defective or non-conforming, is on the retail purchaser, the buyer, the ultimate consumer, of such product and it is not upon the seller, distributor, or manufacturer.

In this connection, the retail purchaser, the buyer, the ultimate consumer assumes the burden of the entire cost of any and all necessary service, alterations, or repair.

THE FOREGOING STATEMENT LIMITS THE LIABILITY OF THE MANUFACTURER.

California vehicle code, sections 27156 and 38391, prohibits the advertising, offering for sale, or installation of any device, which modifies a vehicle's emission control system, unless exempted, unless otherwise noted. FLOWTECH™ Headers that have not received an Executive Order (E.O.) exemption from these code sections are not legal for sale or use in California on vehicles originally equipped with catalytic converters, except for racing vehicles, which may never be driven upon a highway. Check with your local authorities to determine if these headers are legal for use in your particular area.

11139FLT

11140FLT

Revision Date: 06-29-15