



**2013-16 Scion FR-S/Subaru BRZ H4, 2.0L
Blackheart RACE ONLY UEL Header w/o Cat
70304301-RHKR
Installation Instructions**



Thank you for making HOOKER HEADERS your choice in a high-performance exhaust system. Extensive dyno/track testing has enabled HOOKER to offer the most advanced design in exhaust systems. The installation, while not complex, will take a certain amount of time. However, the additional horsepower and improved performance will more than justify your efforts. Proper installation and maintenance will ensure long life and maximum performance from your HOOKER HEADER exhaust system.

BEFORE STARTING:

Your vehicle must be raised a minimum of 36 inches. A floor hoist is ideal. If no hoist is available, we strongly urge the use of axle stands as a safety measure. Please read these instructions in their entirety before attempting installation.

CAUTION! WORK ONLY ON A LEVEL SURFACE. USE JACKS /JACK STANDS OF SUFFICIENT CAPACITY TO LIFT AND SUPPORT YOUR VEHICLE. NEVER WORK UNDER A VEHICLE SUPPORTED BY A FLOOR OR BUMPER JACK.

INCLUDED HARDWARE:

P/N	Qty.	Description
271R1133	1	Toyota Front O2 Sensor Extension 12" L
505R59	2	M10 x 1.50 x 40 Hex Bolt Stainless Steel
539R25	2	M10 x 1.50 Serrated Hex Nut
538R6	2	SS Exhaust Spring 67mm
507R7	1	O2 Bung Plug
598R80	1	Spring Pull Tool
217R2	2	Cable Tie
599R94	2	Decal-Blackheart 4" x 2"

Check the hardware package. If anything is missing, please contact Technical Service at 1-866-464-6553 or 270-781-9741.

INSTALLATION:

1. Disconnect the negative cable from the vehicle battery.
2. Lift the vehicle and secure on jack stands.
3. From under the vehicle, remove the aluminum belly pan.
4. Remove (x2) pre and post O2 sensors off the OE exhaust manifold.
5. Remove (x2) 14mm head nuts securing the OE exhaust manifold to the OE over-pipe. Set the gasket aside as it will be re-used.
6. Remove (x6) 14mm head nuts securing the OE exhaust manifold to the engine.

7. Remove OE exhaust manifold.

NOTE: You will either have to remove the OE over-pipe and front pipe to get the studs off the OE exhaust manifold in order to remove OR remove the (x2) studs off the OE exhaust manifold outlet flange.

8. On a workbench, slide the left side Blackheart header pipe into the right side header pipe.

9. Install the Blackheart UEL header w/o cat onto the engine using the original nuts and gaskets (replace if necessary) from step 6 and tighten.

NOTE: You may have to slide the Blackheart left and right side header pipes in or out of the slip on engagement section to accurately slide the left and right side port flanges onto the engine studs.

10. Install the (x2) supplied exhaust springs onto the Blackheart UEL header spring hooks.

11. Using the (x2) supplied bolts and (x2) supplied nuts, secure the Blackheart UEL header onto the over pipe using the original gasket (replace if necessary) from step 5 and tighten.

12. If you are **NOT USING A TUNER**, install the (x2) pre and post O2 sensors onto the Blackheart UEL header and tighten.

13. If you **ARE USING A TUNER**, install the (x1) supplied O2 bung plug onto the O2 bung on one of the Blackheart primary tubes and tighten. Un-plug the post (BLACK plug) O2 sensor as it will not be re-used.

Now unplug the pre (GREY plug) O2 sensor and install the supplied O2 extension wire between the wire harness and pre O2 sensor connector. Install the O2 sensor onto the Blackheart UEL header (closest to the outlet flange) and tighten. Use the supplied cable ties to secure the wires away from any moving and/or hot parts on the vehicle.

14. Install the aluminum belly pan using the original hardware from step 3 and tighten.

15. Connect the battery, start the engine, and check for leaks.

16. Re-check your work.

17. Remove the jack stands and lower the vehicle.

18. After 150 miles, re-check and tighten all bolts and clamps.

NOTE: It is normal for the Blackheart Exhaust System to emit smoke for the first few minutes during break-in period.

***Blackheart UEL Headers are for off-highway RACE USE ONLY.**

****Blackheart will emit a check engine light. We recommend using a tuner to turn off the CEL and de-activate the post sensor for optimum performance.**

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.

HOOKER™ makes no warranties of merchantability, of fitness for particular purpose, 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. HOOKER™ 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.

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