

BoonDocker

PERFORMANCE

Arctic Cat Z-1 GT28/60 Turbo Upgrade

Installation Instructions



BoonDocker Turbo Z-1 GT28/60

Arctic Cat Z-1 GT28/60 Upgrade Turbo Kit Contents

○ = included in kit bag

❖ = packaged separately

Kit Bag # 1 (step 1-2)

- (1) 3" x 7/8" aluminum ring
- (2) aluminum rivets
- (1) 3" x 2" silicone hose
- (2) #48 hose clamp
- (1) 2 1/2" x 2" rubber reducer
- (2) 2 1/2" x 2 1/2" silicone hose
- (2) 2 1/2" x 3" hump hose

Kit Bag # 2 (step 3)

- ❖ GT 28/60 (Z-1 index)
- ❖ Exhaust header
- ❖ (1) Exhaust outlet
- (5) 8mm c 25 mm bolt allen head
- (1) 3/16" x 12" boost hose
- (2) small zip-tie
- (1) 3/8" x 30" hose
- (1) 6AN 90° 3/8" barb fitting
- (1) 3/8" x 17" hose
- (1) 6mm lock nut
- (1) 10" of 3/16 hose
- (1) 3/16 Y
- (1) 6AN straight 3/8" barb fitting
- (3) 8mm x 20mm bolts
- (3) 5/16" lock washers

Kit Bag # 2A (step 3)

- (1) Pre-bent oil line
- (1) 4AN 10mm x 1.25 fitting
- (4) 8mm x 35 mm bolt
- (4) 8mm x lock nut (no nylon)
- (6) 8mm x 25mm bolt
- (6) 8mm lock washer
- (1) 6AN 90° 3/8" barb fitting
- (1) 3/8" x 16" hose
- Upper heat shield bracket

Kit Bag #3 (set 4-5)

- ❖ (1) intercooler
- ❖ (1) 1/8" npt male x 1/8" straight barb fitting
- ❖ (1) 2 1/2" x 3 3/4" aluminum tube
- ❖ (1) 2 1/2" x 90° aluminum charge tube
- upper charge tube
- (9) #40 hose clamp
- (1) #32 hose clamp

Kits Bag #4 (step 6)

- (1) auxiliary injectors
- (1) auxiliary fuel rail
- (1) 5/16" x 1/2" bolt
- (1) 5/16" lock washer
- (1) 1/4" npt male x 5/16" barb 90°
- (1) 5/16" brass tee
- (1) #4 hose clamps
- (1) 5/16" x 8" fuel hose (blue liner)
- (1) auxiliary injectors harness
- (2) blue heat shrink but connectors
- (1) Turbo mount bracket
- ❖ (1)
- ❖
- ❖ Fuel Pump

Intercooler fan kit upgrade

(optional)

- ❖ (1) electric fan w/ accessory plug
- (2) 1/4"-20 x 1/2" bolt
- (1) 1/4" 20 x 3/4" bolt
- (1) 1/4" lock washer
- (1) 3' harness with rubber molded connector

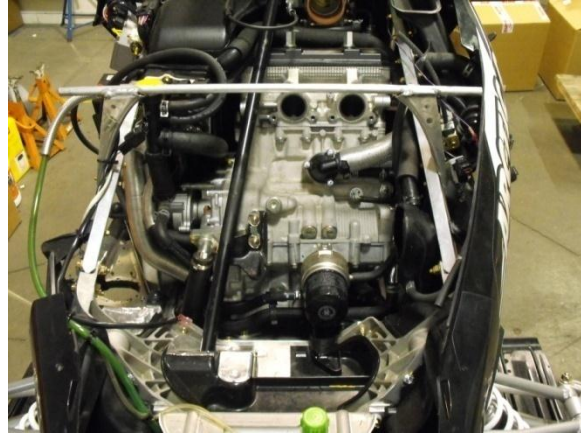
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Step 1: Tear Down

A. Remove hood, side panels, headlight assembly, and muffler.

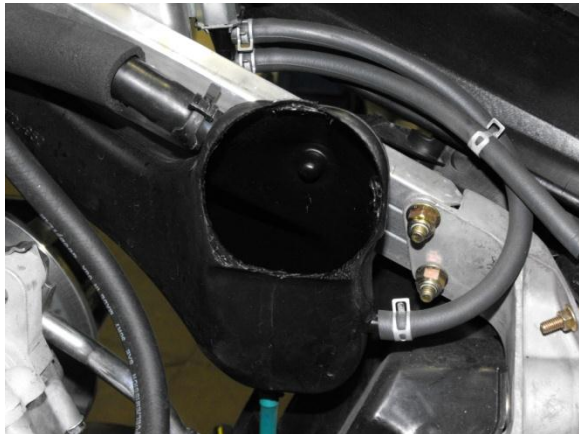


B. Remove intercooler, turbo, oil hoses, coolant hoses, header, **stud bolts out of cylinder heads** and charge tubes.

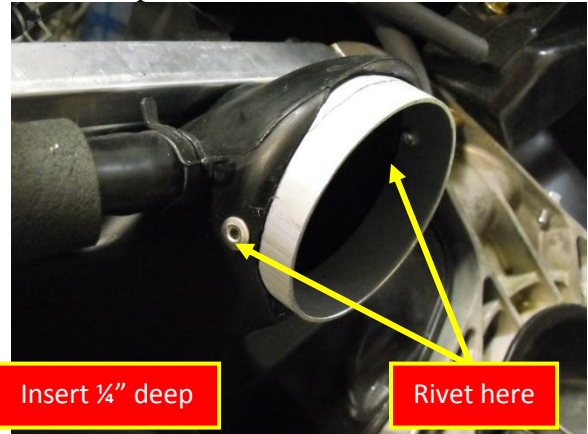


Step 2: Modify Stock Air Box

A. Cut 3" hole in stock air box.



B. Insert 3" aluminum ring to air box, and rivet in place.



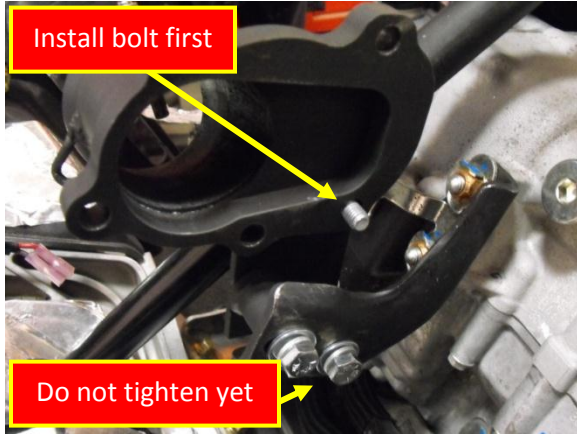
C. Install silicone hose to air box.



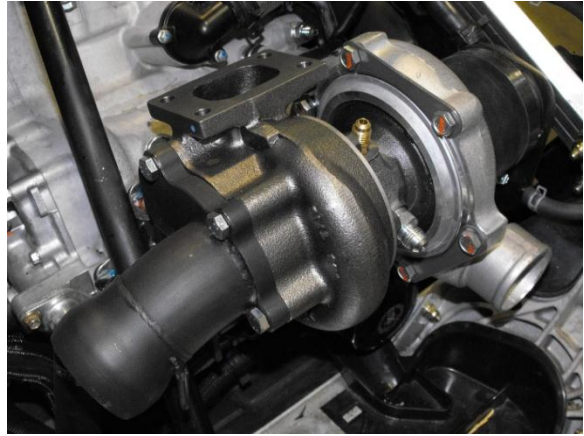
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Step 3: Install Turbo Charger

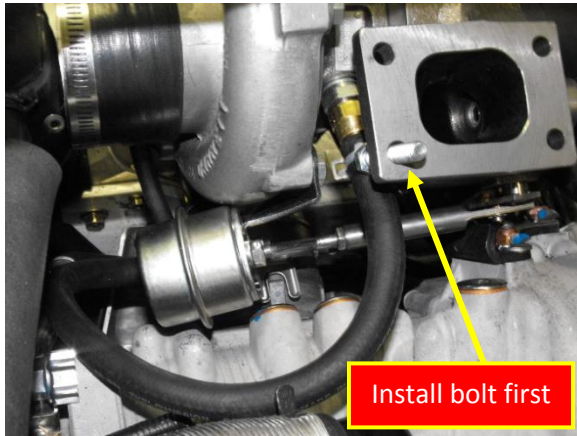
A. Install straight fitting in 6an fitting. Install turbo outlet pipe.



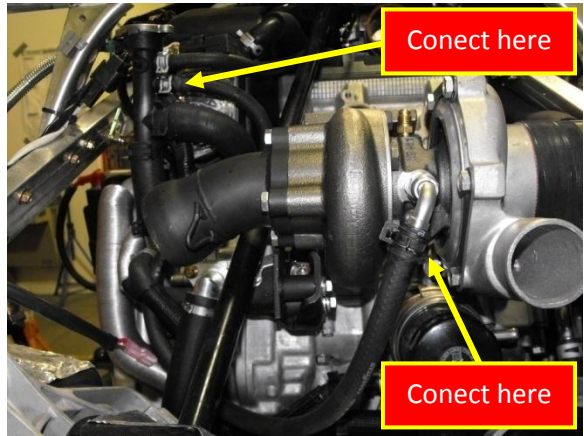
B. Install mounting bracket and exhaust flange on turbo, Install turbo.



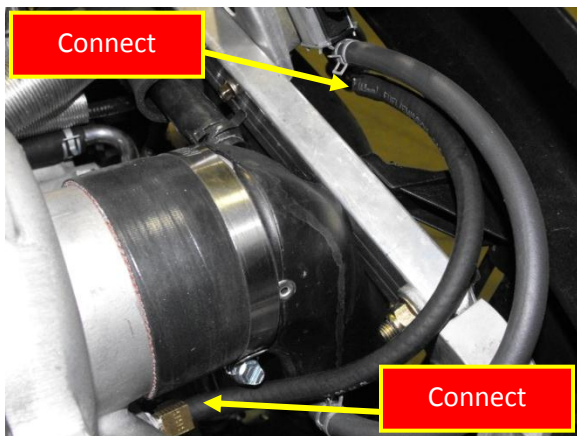
C. Install rear coolant hose.



D. Install front coolant hose.



E. Install boost controller hose.



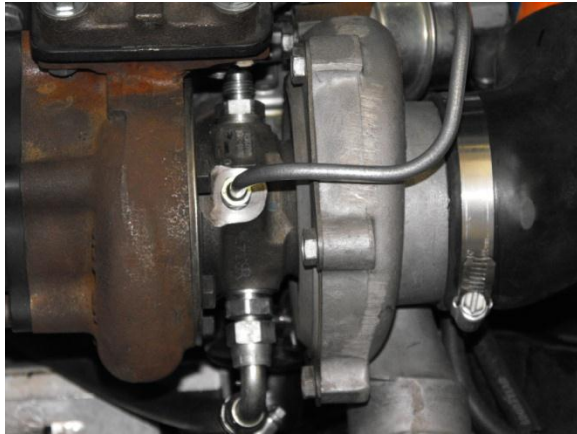
F. Install oil hose 4an fitting.



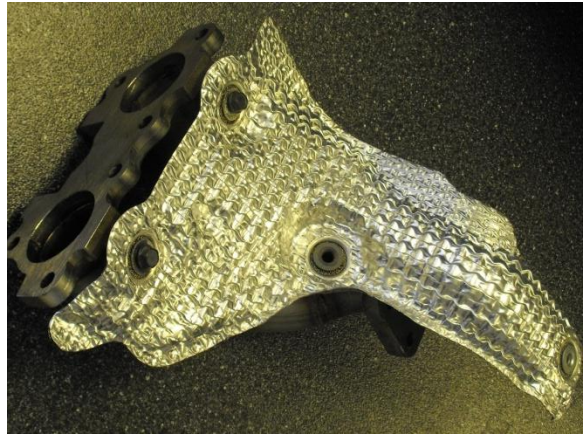
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Step 3 (continued): Install Turbo Charger

G. Install oil hose.



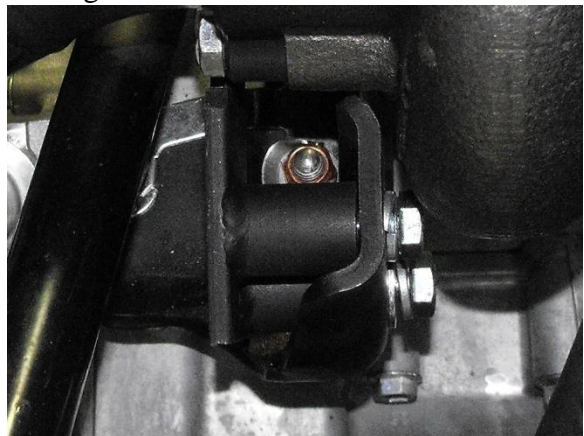
H. Install lower heat shield to header.



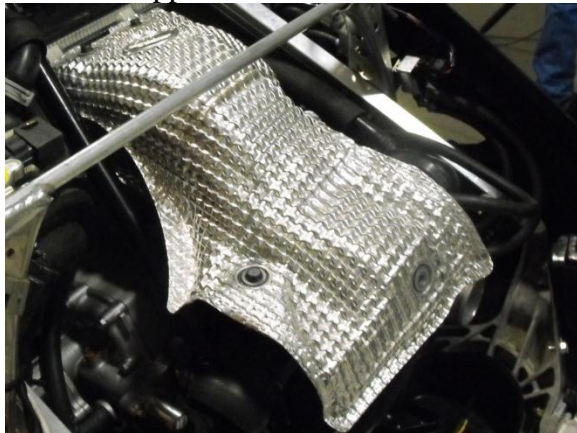
I. Install header.



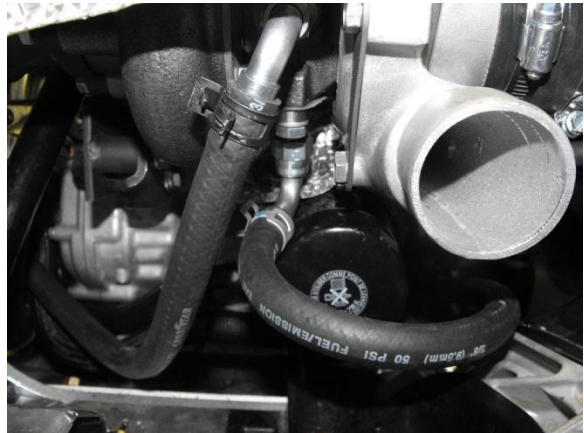
J. Tighten turbo mount bolts.



K. Install upper heat shield.



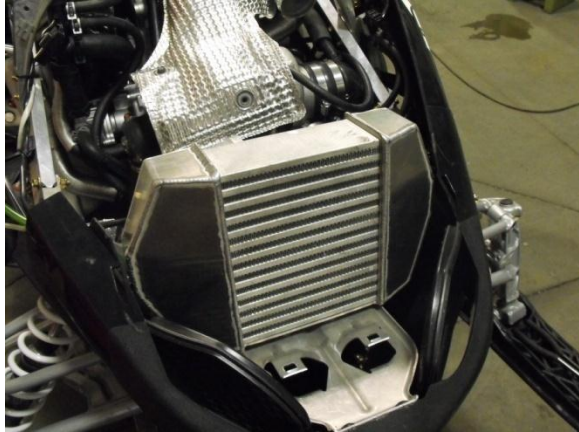
L. Install oil drain.



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Step 4: Install Intercooler

A. Install intercooler.



B. Install fan wiring harness.

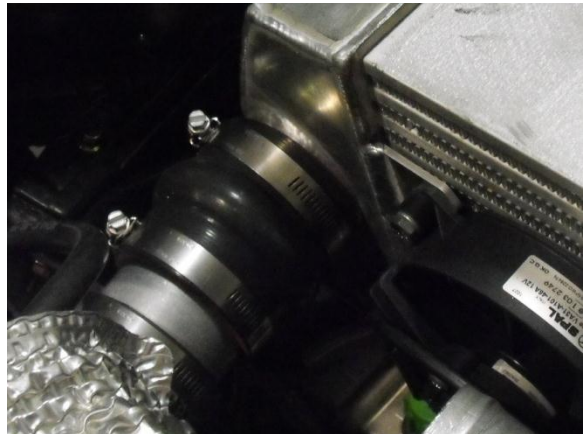


Step 5: Install Charge Tubes and Muffler

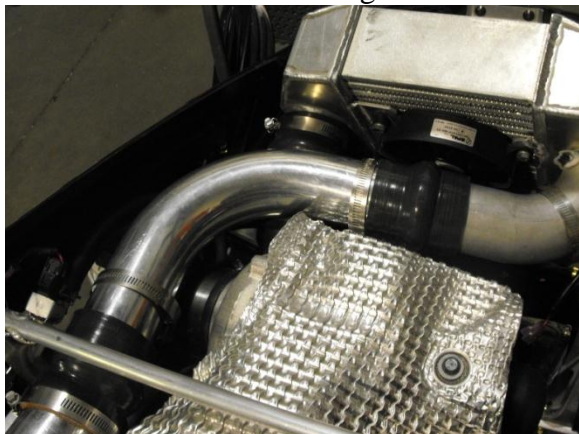
A. Install fuel rail and injector (see step A of following instructions). Install upper charge tube.



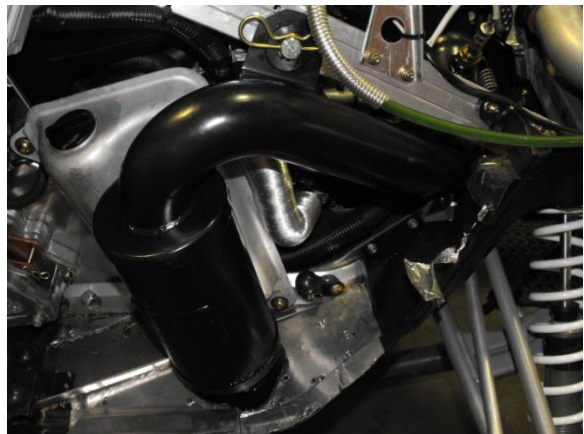
B. Install lower charge tube.



C. Install intermediate charge tube.



D. Install muffler.



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Step 6: Install Auxiliary Fuel Injector

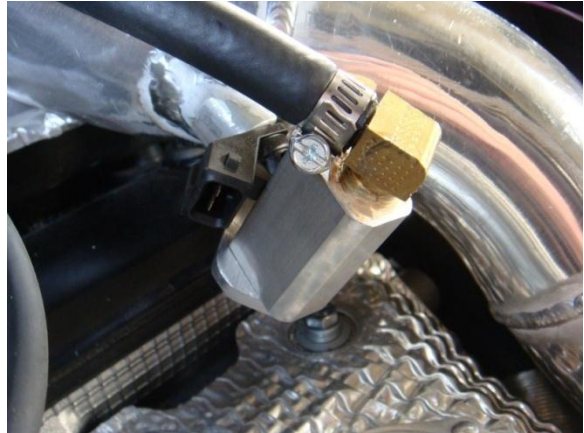
A. **Should be completed before charge tub installed.** Install fuel injector, rail and brass fitting into upper charge tube.



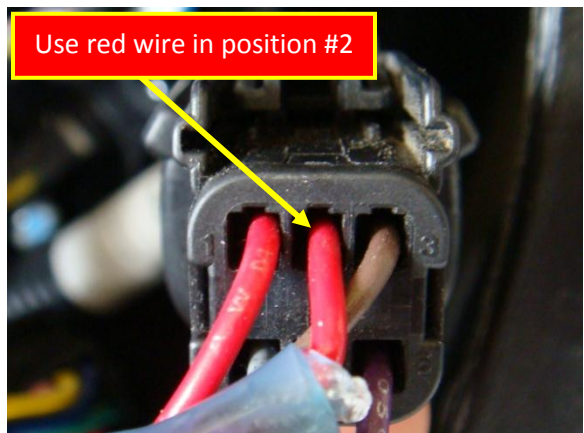
B. Install 5/16" brass tee into fuel presser hose.



C. Install 5/16" hose from tee to fitting on fuel rail.



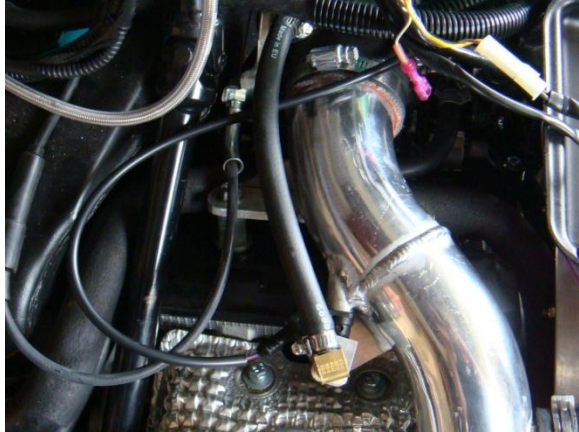
D. Tee red and purple wires from auxiliary injector harness to red and purple wires on female Hijacker injector connector.



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Install Auxiliary Fuel Injector (continued):

E. Route auxiliary injector harness and connect to injector.



Step 7: Reinstall hood, side panels, and headlight.

