

ARP-K-GM-SS

13-17 CHEVY SS/14-17 CAPRICE

INSTALLATION GUIDE



QUALITY AMERICAN MADE SUPERCHARGERS



Installation Instructions

2014-17 Chevrolet SS
2014-17 Chevrolet Caprice 6.0
ARP-K-GM-SS



STEP 1

Disconnect battery.

Remove engine cover.

*Unplug MAF sensor and remove factory
airbox or CAI.*



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STEP 2

Disconnect the tube to the valve cover.

We suggest getting a catch can to hook this back up.

Disconnect sound tube that runs to the firewall. Plug off the port. There are many suppliers that make nice bolt on caps.

Remove accessory fans



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STEP 4

Disconnect the bracket that is attached to the drivers head. Remove the mounting bolts.

STEP 5

Remove accessory belt and remove the idler and bracket from drivers side head. There are (3) M10 bolts holding the bracket on.



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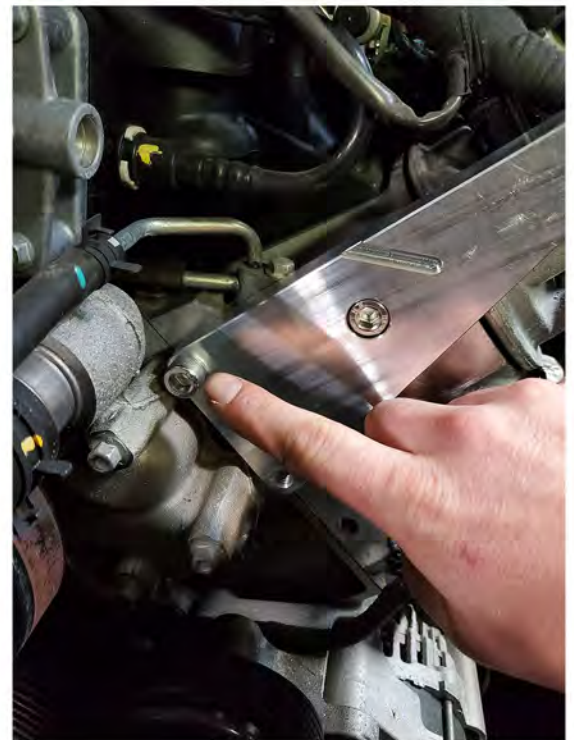


STEP 6

Install the head plate using (1) M10 x 1.5 x 25mm bolt.
Insert another M10 bolt in the other hole to keep the
bracket lined up while Torquing the bracket bolt down.

Torque to 29 ft lbs

Remove alignment bolt



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STEP 7

Locate the lower ac line on the drivers side inner strut tower. Remove the mounting bolt. This set of lines will need to be gently bent aside to make room for the head unit.

STEP 8

Install the supercharger bracket using (1) M10x110mm bolt in the upper bolt hole with a 3.39" spacer, and (3) M10x130mm and 4.15" spacers in the remaining mounting holes. During install of the head plate attach the accessory belt over the idler.

Also loosen clamp and slide the upper radiator hose off of the water pump until you have ample clearance for the idler pulley on the bracket. Re-apply the clamp.



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Remove the crank pulley bolt and begin the drill and pin process.

STEP 9

Measure the drill bit through your alignment tool. Make sure it is through .850" from the end of the taper of the drill bit to the inside face of the tool. Wrap a piece of tape around the back side of the tool on the drill bit.



STEP 10

Slide the bit out of the tool. Check your measurement. From the end of the taper to the tape should be 1.650".



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STEP 11

Install the pin tool with supplied bolt.

Snug down so tool is locked in position while drilling.

STEP 12

Install drill bit into your drill of choice, a 90 degree air drill works well for fitting into tight areas. Make sure you drill in till the tape hits the surface of the tool. Repeat process for the other hole.

Clean shavings from area.



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STEP 13

For ATI Installation

Install the shorter set of pins into drilled holes.
Verify the pins are both flush or below the
surface of the bolt/washer surface of the pulley.
Apply some sealant on the keyway, oil can leak
from here.



STEP 14

Apply red loctite and install supplied bolt
Tighten to factory torque specs
GM 219 ft. lbs



STEP 15

For stock balancer and hub.

Insert longer pins into holes in hub.

Install the hub into the crank face, lining up the drilled holes.

Be sure the hub is seated flat against the crank face.



STEP 16

Apply red loctite and install supplied bolt

Tighten to factory torque specs

GM 219 ft. lbs



STEP 17

Install supercharger crank pulley using (4) 5/16

bolts and washers. Add blue loctite

Torque to 19 ft lbs



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STEP 18

Locate the transmission cooler lines below the crank pulley. Gently bend and tie them away from the 8 rib pulley.



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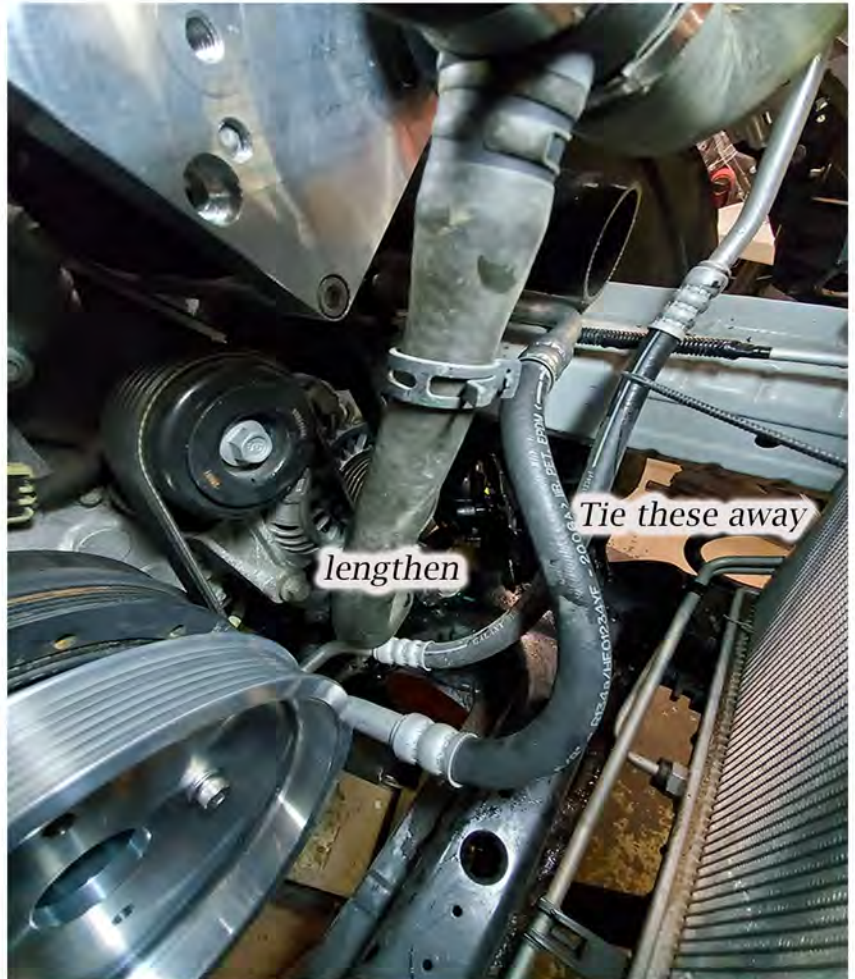


STEP 19

Locate the other lines in the picture.

Tie them out of the way, gently bend the aluminum lines and make sure there is plenty of clearance for the supercharger belt.

The oil cooler coolant hose will need a barb fitting and piece of hose added to lengthen it out of the way. Be sure there is nothing in the way of the belt.



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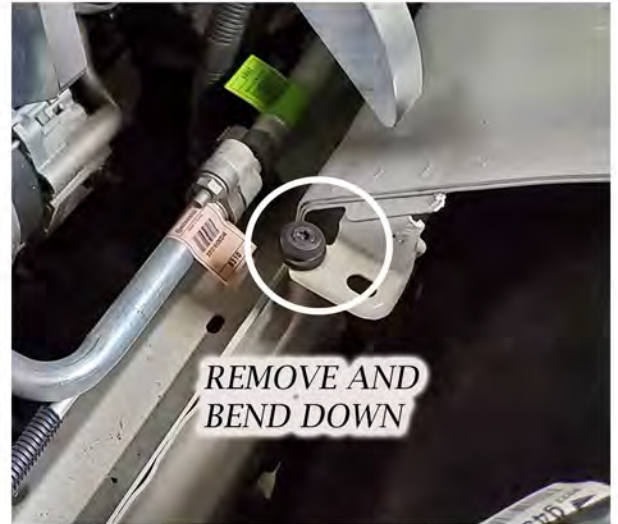
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STEP 20

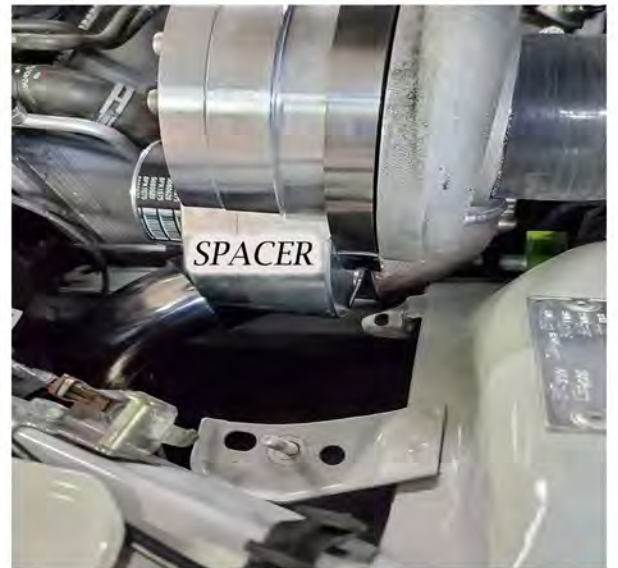
Locate the factory air box mount bracket. Remove the mount bolt. And bend the tab down to make clearance for the supercharger.



STEP 21

Install the supercharger using (7) 3/8-16 x 2.25" bolts and washers. Also insert the supercharger spacer ARP-GM10093 while mounting.

Torque to 29 ft lbs



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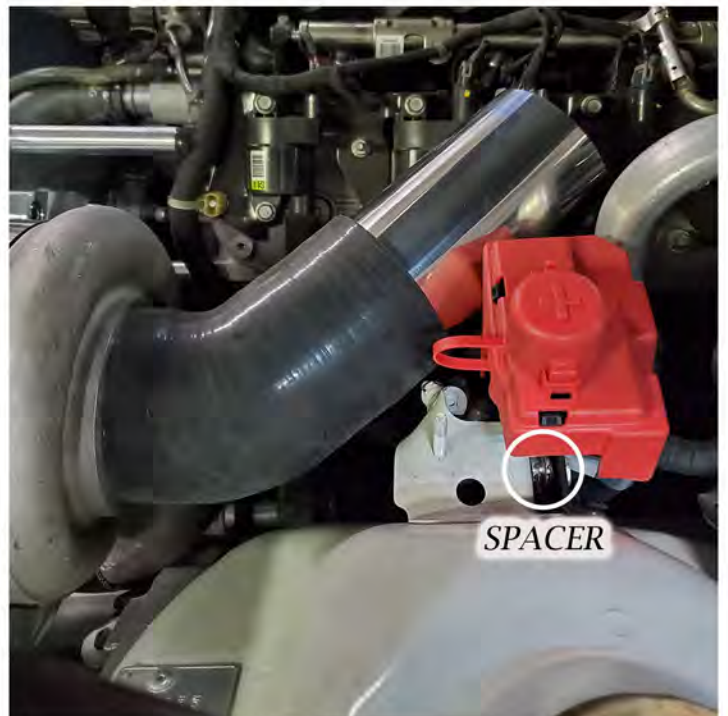


STEP 22

Install the supercharger belt. There are two pin locations depending on which pulley you have. Resort to the provided layout sheets for belt details and tensioner location.

STEP 23

Space out the positive terminal mount roughly .50" to allow clearance for the intake tube. Install the silicone coupler and tube, filter. The silicone coupler comes large so you will need to trim the supercharger side to roughly 1.25" of flat area to clamp on.



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STEP 24

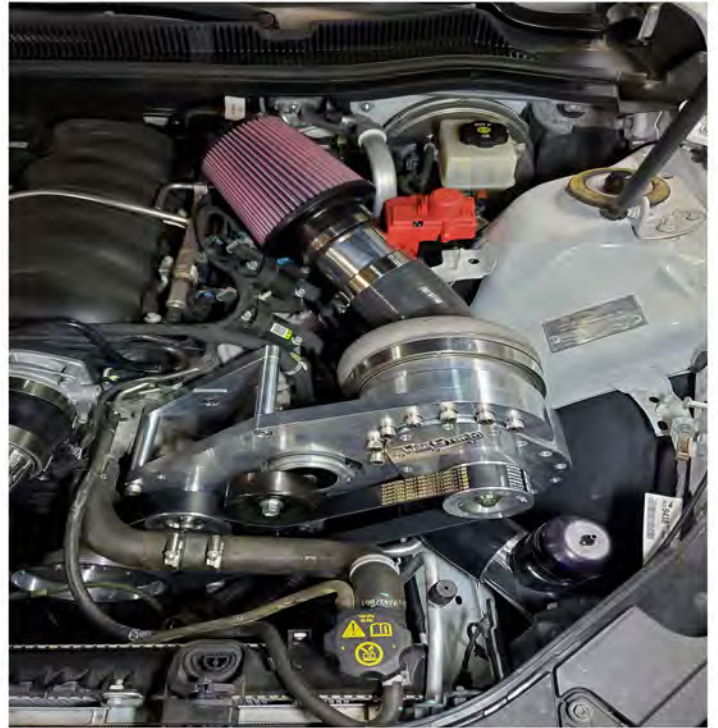
Finish installing the air cleaner, and fully tighten the clamps.

STEP 25

Install the BOV in the intercooler piping, preferably between the supercharger and the intercooler. Connect to vacuum source.

STEP 26

Re-install the radiator fans and Re-connect battery. Top off any fluids you may have lost.



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- Replace all spark plugs with one or two heat ranges cooler.
- Fuel/ Ignition managment system must be tuned when installing Torqstorm Supercharger.
- Reconnect battery
- Double check all fittings, bolts, clamps. Make sure all wires and lines are properly secured with clamps or wire ties .
- Make sure fuel tank is filled with 91 octane or higher fuel.
- Start engine and allow to idle a few minutes then shut down.
- Recheck to be sure that no hoses, wires, ect are near the exhaust or headers.
- Recheck tune before commencing test drive.
- After test drive examine all bolts, belts and check for leaks or running issues before finishing with the vehicle.
- Oil must be changed every 10k miles or once a year, whichever comes first.

Order oil direct from TorqStorm. Part number ARP-OIL-MTL

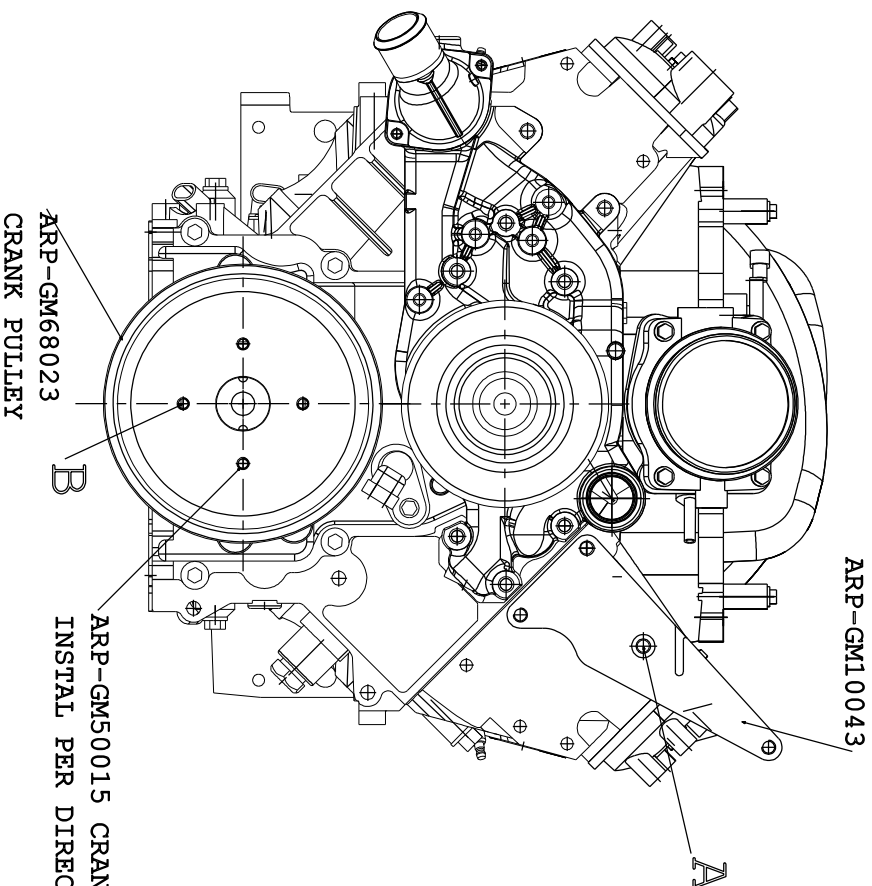
Your TorqStorm Supercharger will have a 1 year limited warranty from the date on your paid invoice.



Additional information for Boost

- It is suggested to run a wideband o2 sensor to monitor correct air/fuel ratio. 11.5 is ideal for 91 octane or higher pump gas.
- *PLEASE TAKE SPECIAL NOTE: Operating the vehicle without all the sub assemblies completed and properly installed and working may cause FAILURE OF MAJOR ENGINE COMPONENTS.*
- If you have any questions or concerns contact us at sales@torqstorm.com
- *Torqstorm superchargers come from the factory filled with 6 oz of ARP-OIL-MTL*
- *Supercharger is ready to run*

HEAD BRACKET LAYOUT

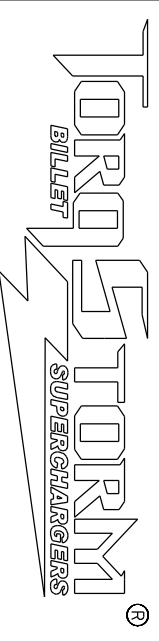


ATI OPTION:
ATI-918854
CRANK PULLEY
ARP-GM68065

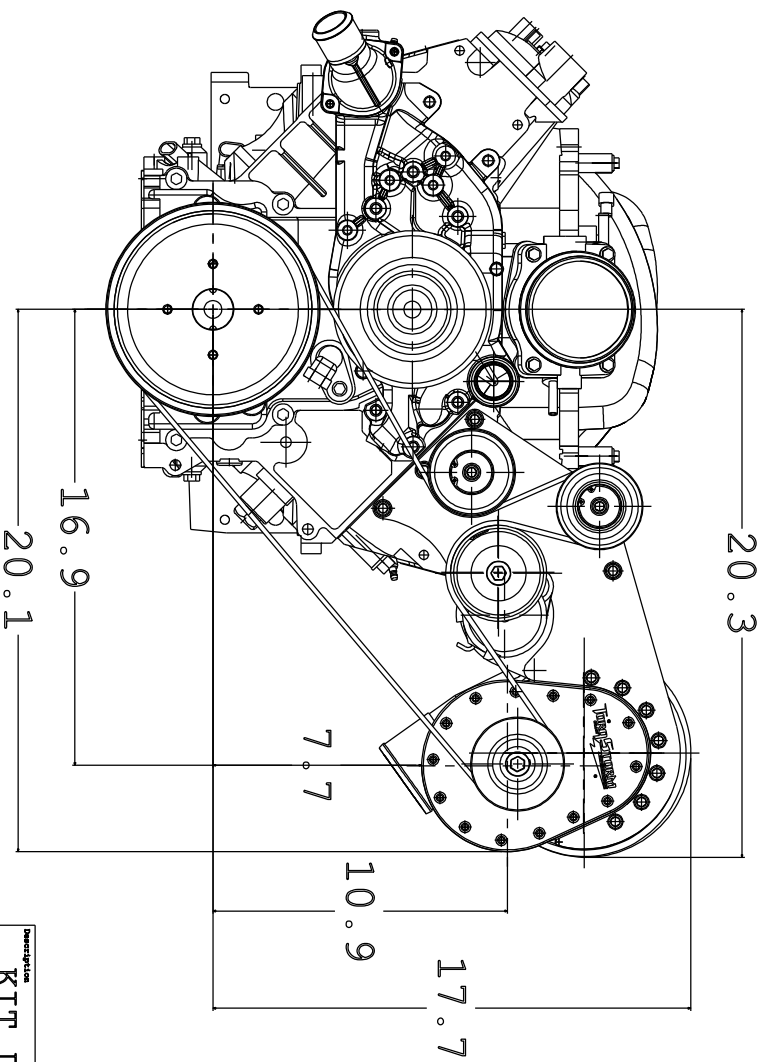
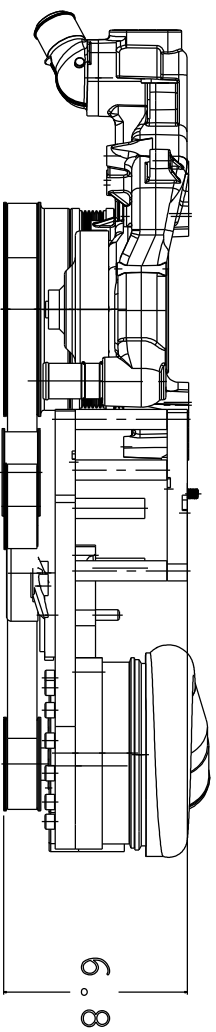
A = 1 @ M10x1.5 X 25mm SS SHCS
B = 4 @ 5/16-24 X 3/4 SS SHCS

Part 1
HEAD BRACKET LAYOUT

ARP-K-GM-SS

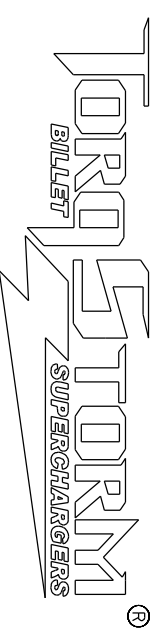


KIT DIMENSIONS



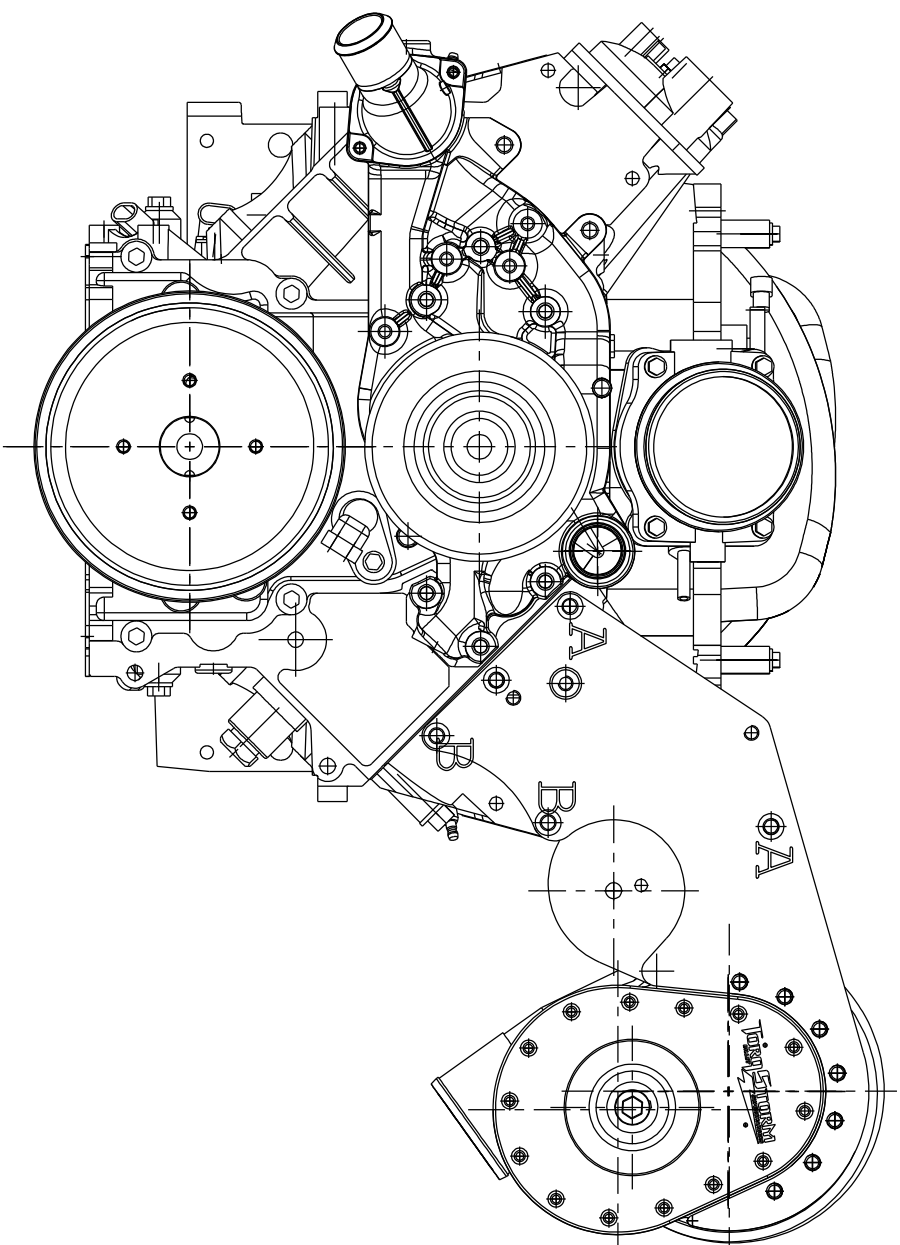
Part 1
KIT DIMENSIONS

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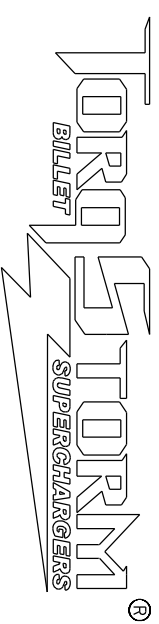
PORTING ON WATER KIT

SPACER LAYOUT

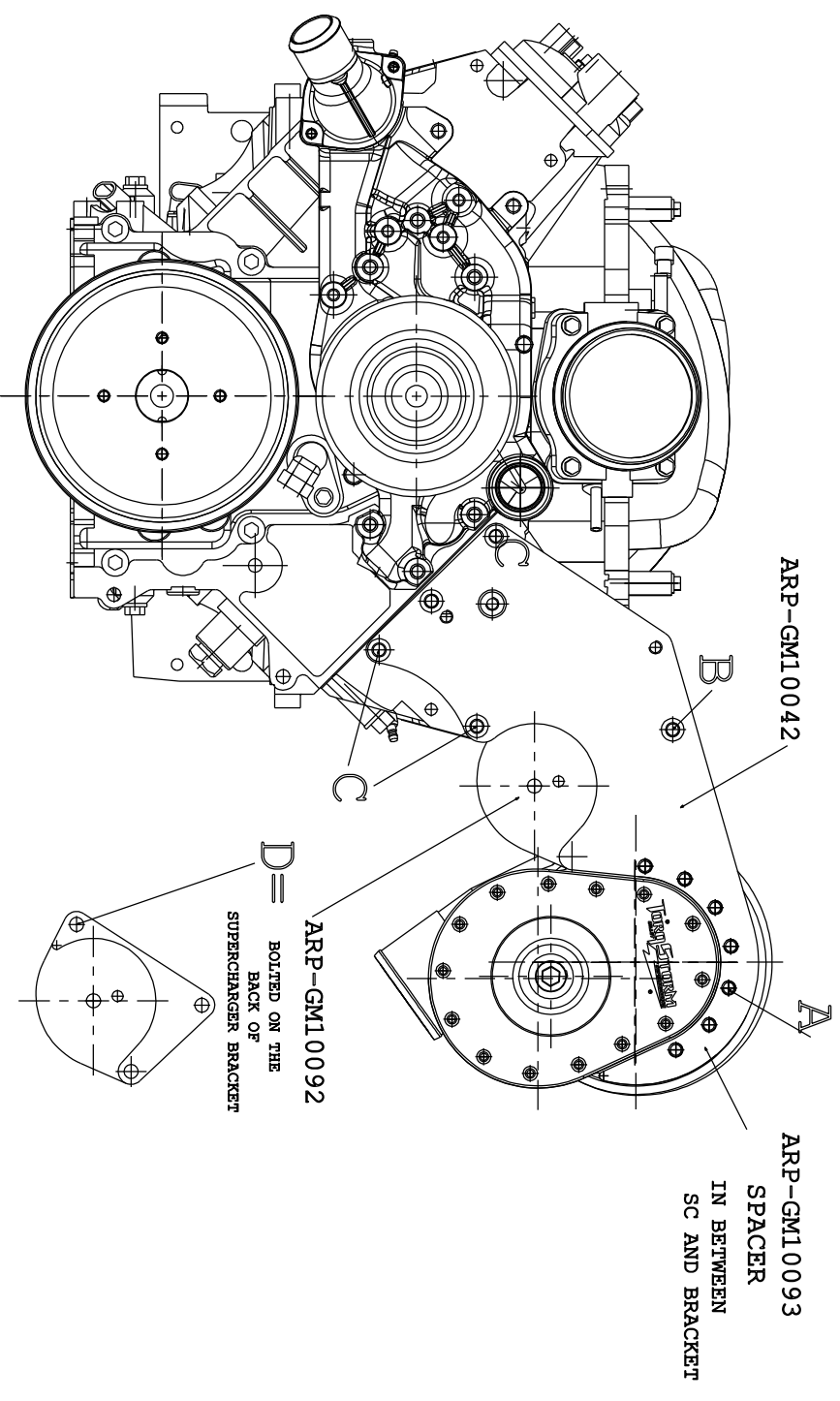


A = 2 @ ARP-S-75-3390
 B = 2 @ ARP-S-75-4150

Interchangeable
 SPACER LAYOUT
 Part # ARP-K-GM-SS

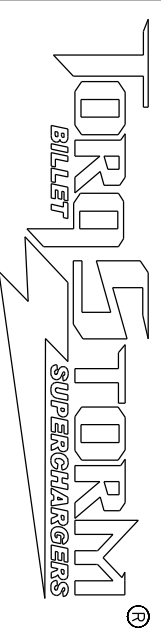


SUPERCHARGER BRACKET LAYOUT



- A = 7 @ 3/8-16 X 2-1/4 SS SHCS
- B = 1 @ M10x1.5 X 110mm SS SHCS
- C = 3 @ M10x1.5 X 130mm SS SHCS
- D = 3 @ 3/8-16 X 3/4 SS SHCS

Illustration
SUPERCHARGER BRACKET LAYOUT
PAGE 1
ARP-K-GM-SS



OIL CHANGE MUST BE PERFORMED EVERY 10,000 MILES OR ONCE A YEAR, WHICHEVER COMES FIRST.

FAILURE TO DO SO WILL VOID YOUR WARRANTY.

YOU CAN PURCHASE OIL FROM US DIRECTLY AT TORQSTORM.COM

PART # ARP-OIL-MTL

STEP 1

Remove your supercharger from your car and flip over to backside to access the drain plug.

STEP 2

Remove drain plug with a 1/4" allen and drain oil.



STEP 3

*Pour in your Torqstorm specific oil,
6oz into the same hole you drained
from.*



STEP 4

*Replace the drain plug.
Torque to 15 ft lbs*



STEP 5

*Re-install the supercharger on your vehicle.
Take note of the mileage on your odometer.*

In many cases your vehicle is exposed to harsh weather and road debris. Regular maintenance is important in order for your mechanical pieces to function properly. BOV inspection every oil change interval.

STEP 1

You can leave the body of the BOV attached to your plumbing as long as your able to remove the lid from your BOV. Remove the lid, counter clockwise, there is a strong spring beneath it.



STEP 2

Remove the spring and brass piston. Clean and inspect the piston and spring for any abnormal wear or defects.



STEP 3

Using Silicone paste apply a modest amount inside the body of the BOV.

STEP 4

Install the brass piston into the body of the BOV, checking to make sure it goes in and out smoothly.

STEP 5

Install the spring into the piston, making sure it is seated flat in the “Cup”



STEP 6

Install the BOV cap. Make sure the spring is seated properly. Be careful not to cross thread it. A little wd-40 on the threads will help it to assemble easier.



STEP 7

Attach your vacuum line and check operation.



Accelerated Racing Products, LLC

Billet Supercharger Limited 1-Year Warranty

Accelerated Racing Products, LLC ("we," "our" or "us") warrants only to the original consumer purchaser ("you" or "your") that your new Billet Supercharger head unit (referred to herein as your "supercharger") shall be free of defects in workmanship and materials for 1 year, from the date of purchase. This Limited 1-Year Warranty (this "Limited Warranty") does not extend to any subsequent owner or other transferee of your supercharger and shall terminate upon any transfer of your supercharger. This Limited Warranty is effective for superchargers purchased on or after 1/01/2023.

Our authorization must be obtained before you return the supercharger for warranty inspection. Superchargers that we authorize to be inspected must be shipped freight prepaid, at your expense. Additional warranty procedures are set forth below.

Subject to the other limitations set forth in this Limited Warranty, we will, in our sole discretion, either repair or replace the supercharger or portion thereof subject to warranty free of charge. No refunds or credits will be allowed.

Superchargers will not qualify for warranty if (i) the supercharger pulley or impeller has been removed or changed, (ii) the pulley or impeller warranty seal has been broken or tampered with and/or (iii) the kit parts have been altered or improperly installed.

Further, this Limited Warranty does not cover any defects or damage due to: (i) transportation; (ii) storage; (iii) improper installation or use; (iii) failure to follow the product instructions; (iv) alterations or modifications without our prior written consent; (v) use of a component or accessory not approved by us; (vi) unauthorized repair; (vii) normal wear and tear; or (viii) external causes such as accidents, abuse, misuse or other actions or events beyond our reasonable control.

Superchargers that we repair or replace will be returned to you with ground transportation charges prepaid by us, within the continental United States, or to the point of embarkation within the continental United States, via UPS ground (or similar) service. You will be responsible for any charges associated with expedited delivery or freight charges outside the continental United States.

Superchargers authorized to be returned and inspected but which do not qualify for warranty, and which are not repaired at your expense, will be subject to a US\$100.00 inspection fee and returned to you, at your expense.

Warranty Procedure

Go to the website and fill out the Warranty/Repair form at: <https://torqstorm.com/warranty-repair-form/>

1. Serial number of the supercharger.
2. Description of the problem.
3. Make, Model, and Year of the vehicle.
4. Your name, shipping address (No PO Boxes allowed), and your daytime telephone number.
5. A copy of your original purchase invoice.
6. A clear picture of supercharger mounted in the vehicle.

Upon receipt of the above, if warranty service is appropriate, an Accelerated Racing Products Return Authorization Number will be assigned. You should then send the supercharger or other defective part, with all of the above information to:

Accelerated Racing Products LLC
2909 Buchanan Ave SW
Wyoming, MI 49548

The return authorization number must be included on the package. Freight collect shipments will be refused and returned to the sender at the sender's expense.

Disclaimers

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE.

WE HEREBY LIMIT THE DURATION AND REMEDIES OF ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, TO ONE YEAR.

SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

OUR RESPONSIBILITY FOR DEFECTIVE SUPERCHARGERS IS LIMITED TO REPAIR OR REPLACEMENT AS DESCRIBED ABOVE IN THIS LIMITED WARRANTY.

Limitation of Liability

THE REMEDIES DESCRIBED ABOVE ARE YOUR SOLE AND EXCLUSIVE REMEDIES AND OUR ENTIRE LIABILITY FOR ANY BREACH OF THIS LIMITED WARRANTY. OUR LIABILITY SHALL UNDER NO CIRCUMSTANCES EXCEED THE ACTUAL AMOUNT PAID BY YOU FOR THE DEFECTIVE SUPERCHARGER, NOR SHALL WE UNDER ANY CIRCUMSTANCES BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL OR PUNITIVE DAMAGES OR LOSSES, WHETHER DIRECT OR INDIRECT (INCLUDING, WITHOUT LIMITATION, ENGINE DAMAGE).

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.