

ARP-K-GM-LS1011

10-12 CAMARO SS

INSTALLATION GUIDE



QUALITY AMERICAN MADE SUPERCHARGERS



Installation Instructions

2010-12 Camaro SS
ARP-K-GM-LS1011



STEP 1

Disconnect battery.

Unplug MAF sensor and remove engine cover and factory airbox or CAI.



STEP 2

Using a power steering puller, remove the pulley from the pump.

Then remove three bolts holding the pump to the bracket.

Next remove the 4 bolts mounting the bracket to the head. Lastly remove the Power steering pump bracket, this piece will no longer be needed.

STEP 3

Remove positive cable from its mounting bracket.

Drill out the spot welds. Be carefull not to drill through the strut tower. Keep the bracket for further instruction.



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STEP 4

Prep the surface and paint. Be sure to cover your car and other areas to avoid overspray.

Let cure before continuing installation of the Torqstorm supercharger kit.



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STEP 5

Trim bracket as shown. Drill the top left hole to accept the 3/8-16 x .750 bolt and nylock nut provided.

Insert bolt through hole in drivers fender well and through the bracket. **Tighten to 29 ft lbs**

Re-attach positive cable to bracket in new location.



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STEP 6

Install head plate ARP-GM10002 with (1) M10 x 1.5 x 25mm.

Do not torque down yet.

Be sure to route the wires carefully behind the plate.

Make sure no wires are pinched.



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STEP 7

*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 8

*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 9

Install the pin tool with supplied bolt.

Snug down so tool is locked in position while drilling.

STEP 10

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 11

For ATI Installation

Install short pins into drilled holes. Verify the pins are both flush or below the surface of the Bolt/Washer surface of the pulley.

Apply silicone on keyway as oil can leak through.



STEP 12

Apply red loctite and install supplied bolt

Tighten to factory torque specs

GM 219 ft. lbs



STEP 13

For stock balancer and hub.

Insert longer pins into holes in hub. Short pins are for ATI option.

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

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

STEP 14

Apply red loctite and install supplied bolt

Tighten to factory torque specs

GM 219 ft. lbs

STEP 15

Install supercharger crank pulley with (4)

5/16 bolts and washers.

Apply blue loctite and torque to 19 ft lbs



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STEP 16

Remove alternator bolt and replace with supplied ARP-M10 X 1.50 X 80MM 12MM hex head bolt.

Torque to 29ft lbs



STEP 17

Remove alternator nut from stud and install ARP-50060
hex idler spacer. *Torque to 29ft lbs*

Then install ARP-50001-M pulley onto the spacer with (1) 3/8-16 x 3/4 bolt and (1) ARP-50026
washer.

Torque to 29ft lbs



STEP 18

Next Install power steering pump to
ARP-GM10001 supercharger mounting
bracket using (3) M8 X 1.25 X 25MM.

Torque to 17 ft lbs

At this time also torque head plate bolt.

Align bolt holes to keep bracket straight.

Torque to 27ft lbs

Then attach ARP-GM10001 bracket to
ARP-GM10002 head bracket
using (2) M10X1.5X100MM
and (2) M10X1.5X110 through
(4) ARP-75-2700 spacers.



Re-install power steering pulley. Be sure to make it is pressed on all the way and flush with the shaft on the front side of the snout.



STEP 20

Re-install ARP-50001-M Pulley with (1) 3/8-16 x 2 1/2" bolt and ARP-50026 washer.

Torque to 27ft lbs.

Attach ARP-TORQ-10001 supercharger head unit to mounting bracket using (7) 3/8-16 x 1/4 SS SHCS and washers.

Torque to 27ft lbs



Installation Instructions

2010-12 Camaro SS

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STEP 21

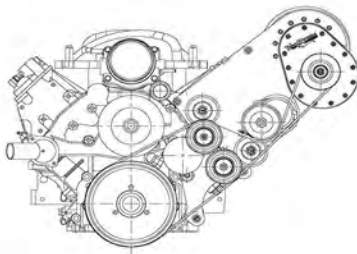
Install factory accessory belt as it was when removed.

Install supercharger belt.

Use a 15mm wrench turning clockwise to open the tensioner and slide the belt under tensioner pulley. Refer to your layout sheets for belt size and pin location for your tensioner.



BELT ROUTING



SUPERCHARGER BELT = GATES K080620
DAYCO 5080620

3.100" SUPERCHARGER PULLEY USES PIN "A"
3-1/4" SUPERCHARGER PULLEY USES PIN "B"
3-1/2" SUPERCHARGER PULLEY USES PIN "C"

BELT ROUTING
ARP-K-GM-LS 1012



STEP 22

Now that the supercharger belt drive assembly is complete there are some lines and hoses that need to be addressed. One is the power steering line as marked in the photo. This needs to be gently bent away from the supercharger belt.



If your vehicle is equipped with the coolant hose with the oil cooler cooler line. You will need to extend the end with a barb and clamps and an additional 1.5" hose. Not included.

This is also to clear the supercharger belt near the crank pulley.



STEP 23

Install ARP-BOV-TORQ-52 BOV between the supercharger and TB. Connect to a vacuum source from of the intake with ARP-27043 7/32 vacuum line.



STEP 24

You may have to adjust the supercharger scroll for your intercooler piping to supercharger.

Note: Do not over tighten V-band clamp on scroll.

Tighten clamp until scroll cannot be rotated. Approx. 1/8"-1/4" threads showing past nut on clamp.

STEP 25

Install air filter with a clamp on the back of supercharger. You may place the filter in a different location if you would like. Failure to not use a filter may cause damage which would void your warranty.



Installation Instructions

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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.

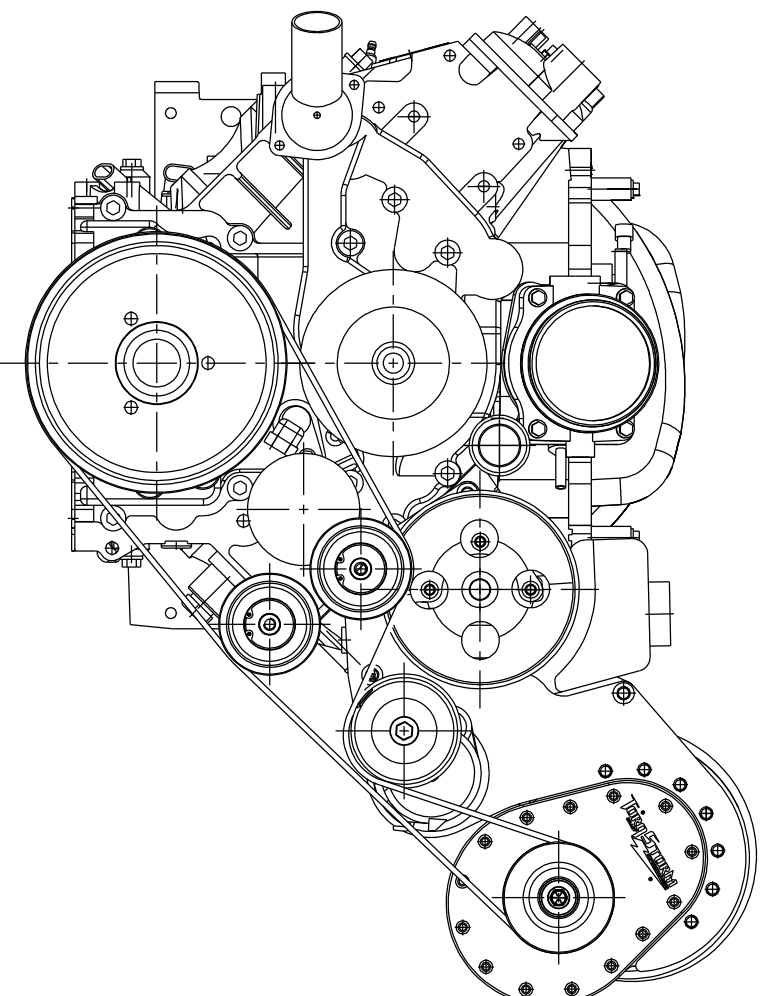
Order oil direct from TorqStorm. Part number ARP-OIL-MTL

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*

BELT ROUTING



SUPERCHARGER BELT = GATES K080620
DAYCO 5080620

3.100" SUPERCHARGER PULLEY USES PIN "A"
3-1/4" SUPERCHARGER PULLEY USES PIN "B"
3-1/2" SUPERCHARGER PULLEY USES PIN "C"

Document #

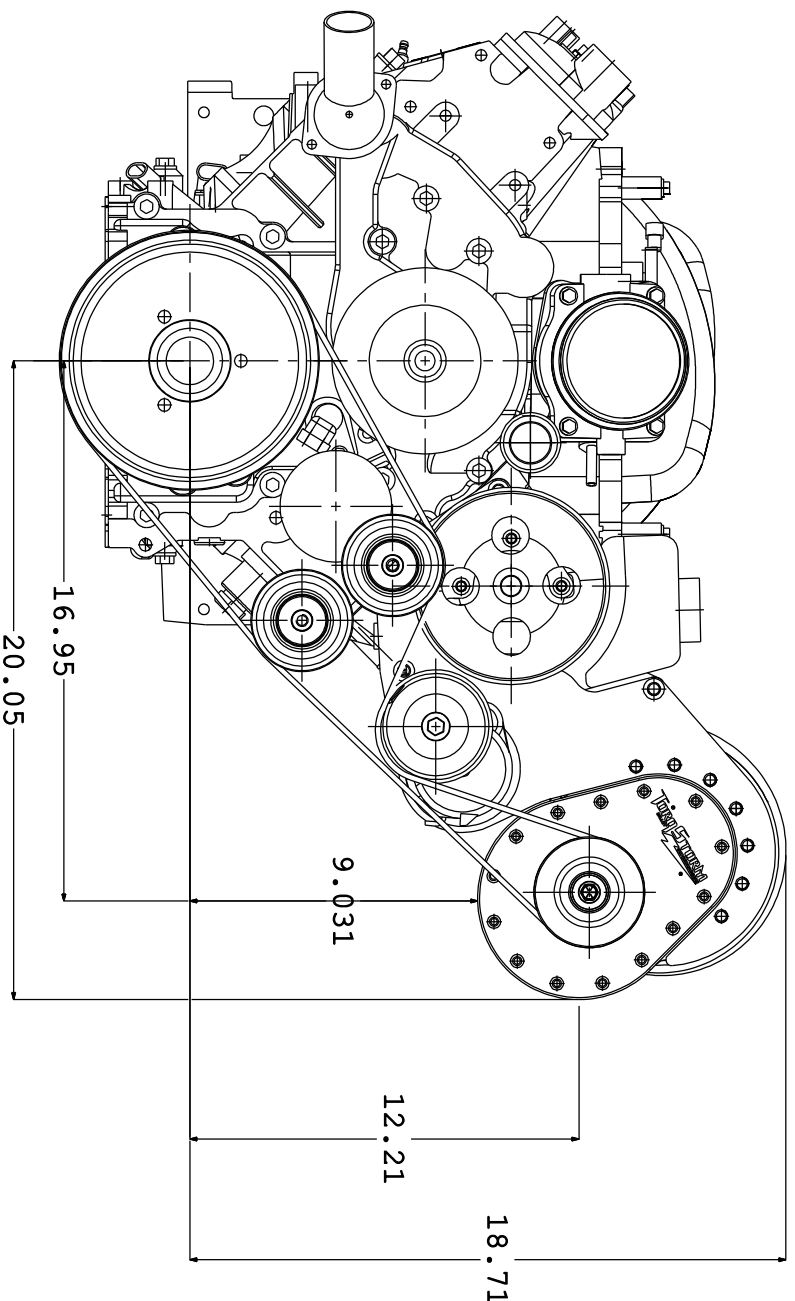
BELT ROUTING

Page 1

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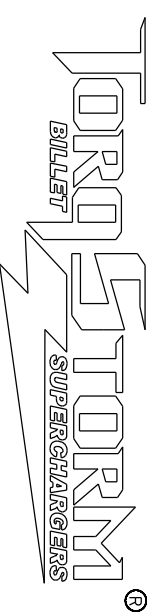
TORCO STORM
BILLET SUPERCHARGERS

FRONT VIEW - KIT DIMENSIONS

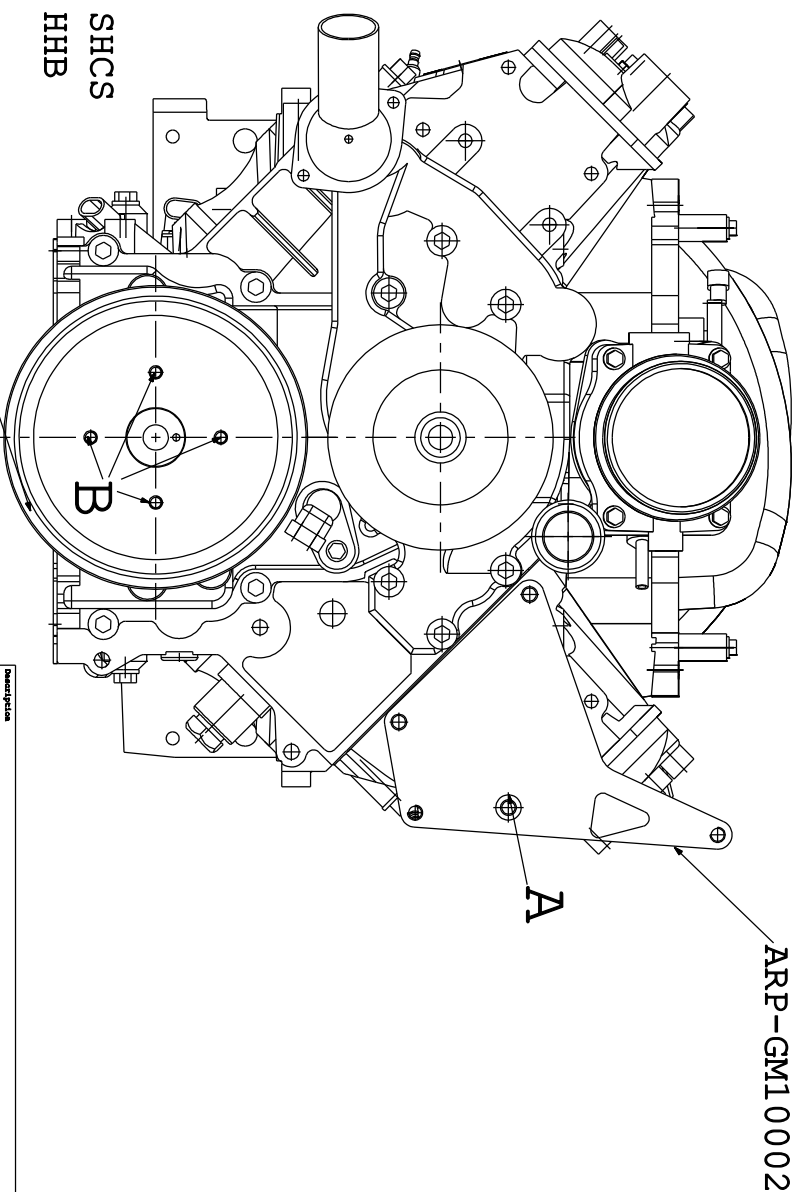


Description
FRONT DIMENSIONS

Part #
ARP-K-GM-LS1011



HEAD BRACKET LAYOUT



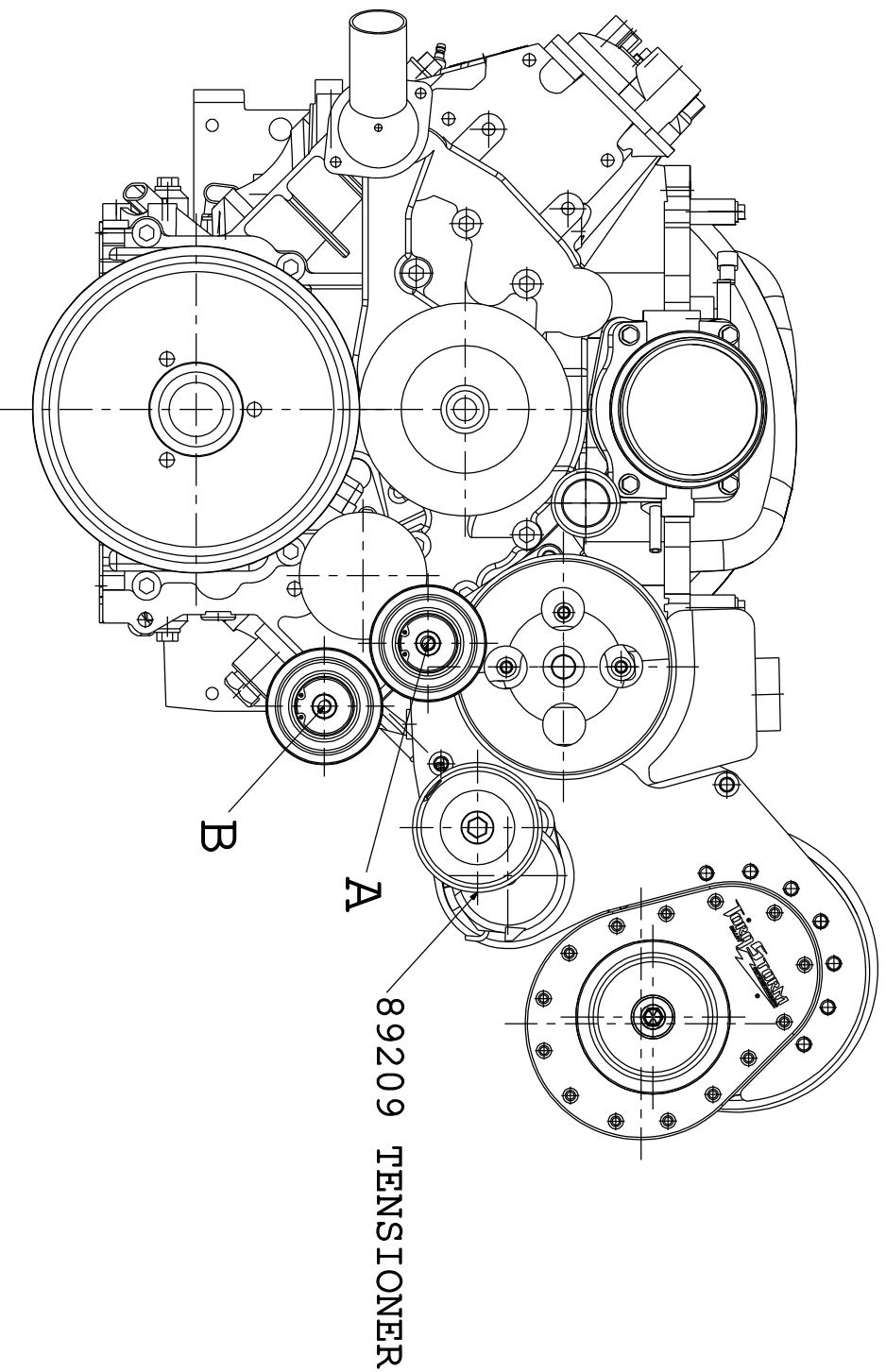
A = 1 @ M10x1.5 x 25mm SS SHCS
 B = 4 @ 5/16-24 x 3/4 SS HHB

ARP-DG68023 CRANK PULLEY
 ARP-GM50014 CRANK HUB

DESCRIPTION
 HEAD BRACKET LAYOUT

PART #
 ARP-K-GM-LS1011

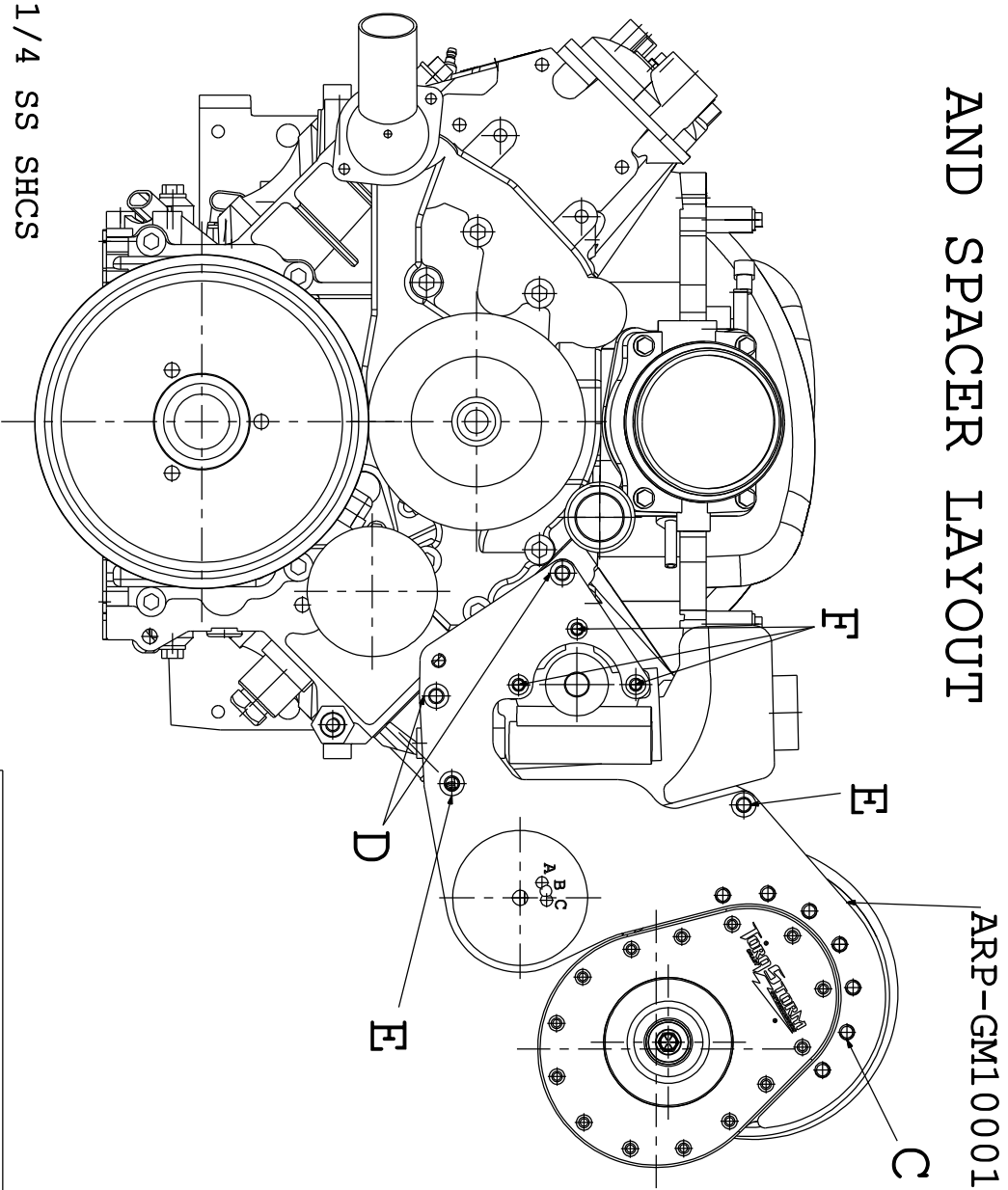
IDLERS & TENSIONER LAYOUT



- A = 1 @ ARP-IS-1985 WITH ARP-50001-M PULLEY
- A = 1 @ 3/8-16 X 2-1/2" SS SHCS AND WASHER
- B = 1 @ ARP-50060 HEX WITH ARP-50001-M PULLEY
- B = 1 @ 3/8-16 X 3/4 SS SHCS

Description
IDLER LAYOUT
Part #
ARP-K-GM-LS1011

SUPERCHARGER BRACKET AND SPACER LAYOUT

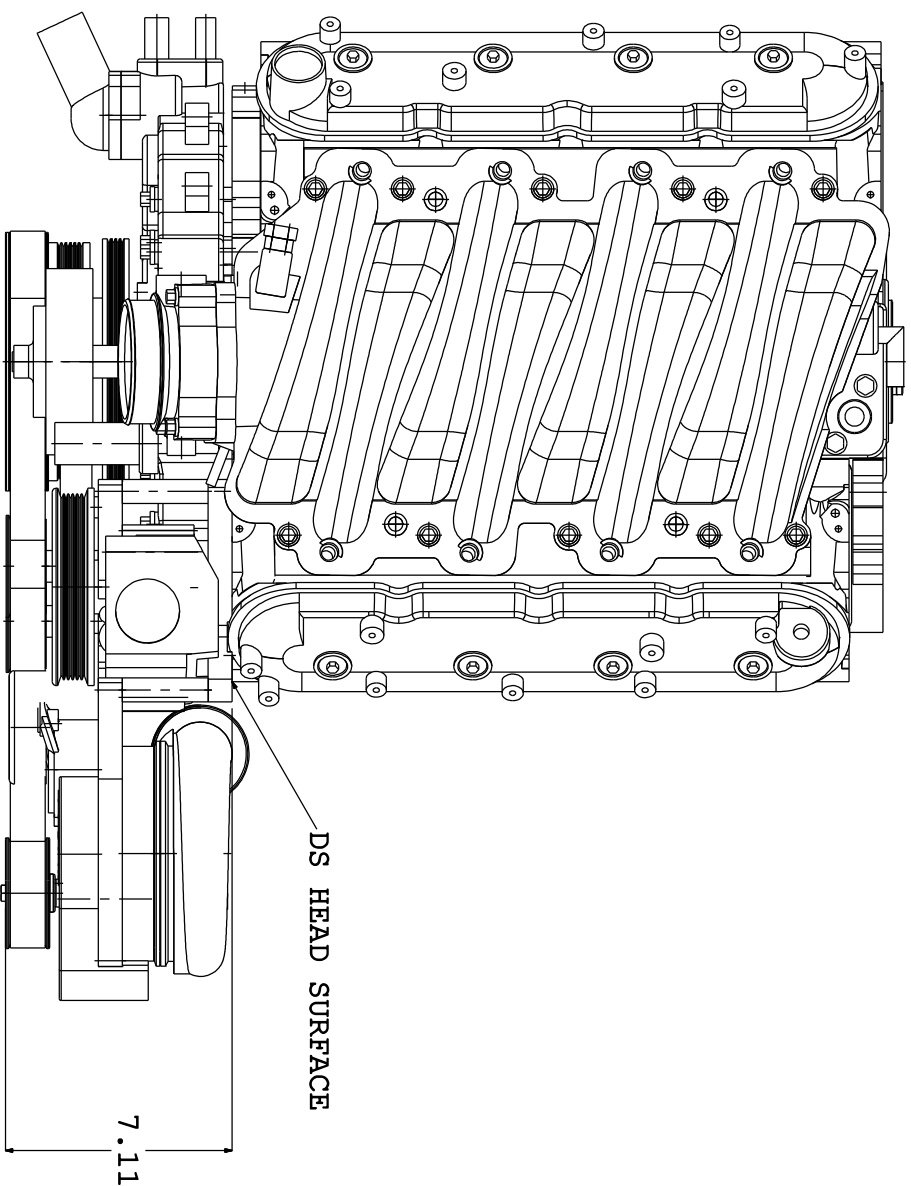


- C = 7 @ 3/8-16 X 1-1/4 SS SHCS
D&E = 4 @ ARP-75-2700 SPACERS
D = 2 @ M10x1.5 X 110mm SS SHCS
E = 2 @ M10x1.5 X 100mm SS SHCS
F = 3 @ M8x1.25 X 20mm SS SHCS

Interpretation
SC BRACKET AND SPACER LAYOUT
Part 1
ARP-K-GM-LS1011

TORO STORM
BILLET
SUPERCHARGERS

TOP VIEW - KIT DIMENSIONS



Description
TOP DIMENSIONS
Part # ARP-K-GM-LS1011

**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.