

ARP-K-GM-LS1015

LS CONVERSION/VETTE SPACING

INSTALLATION GUIDE



QUALITY AMERICAN MADE SUPERCHARGERS



Installation Instructions

LS TRANSPLANT CORVETTE

SPACE DR SIDE

ARP-K-GM-LS1015



STEP 1

Disconnect battery.

*Install head plate to
drivers side head
using (1) M10 x 1.5 x 25mm
bolt. Insert another bolt in
the other hole going into the
head as a guide so you can
torque down the bracket bolt.*

Then remove guide bolt.

*This is to ensure the bracket
is lined up correctly.*

Tighten to 29 ft lbs



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STEP 2

Temporarily remove the tensioner to access mounting bolts.

Install the supercharger plate using

(1) M10x1.5x110mm in the upper right corner.

And (3) M10x1.5x130mm in the other holes.

The upper 2 bolts use 3.39" spacers, and the lower two use 4.15" spacers.

Re-install the tensioner. Be sure to place it in the correct pin hole location.



Tighten to 29 ft lbs

Installation Instructions
LS TRANSPLANT CORVETTE
SPACE DR SIDE
ARP-K-GM-LS1015



STEP 3

*Install the supercharger
head unit using
(7) 3/8-16 x 2.25" bolts and
AN washers.*

Tighten to 29 ft lbs



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STEP 4

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 5

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 6

Install the pin tool with supplied bolt.

Snug down so tool is locked in position while drilling.

STEP 7

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.



Installation Instructions
LS TRANSPLANT CORVETTE
SPACE DR SIDE
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STEP 8

For ATI Installation

Install the ATI pulley per ATI instructions.

Follow previous steps for drilling holes.

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



STEP 9

Apply red loctite and install supplied bolt

Tighten to factory torque specs

GM 219 ft. lbs



Installation Instructions
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STEP 10

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 11

Apply red loctite and install supplied bolt

Tighten to factory torque specs

GM 219 ft. lbs

STEP 12

Install supercharger crank pulley using (4) 5/16

bolts and washers. Use loctite

Torque to 19ft lbs

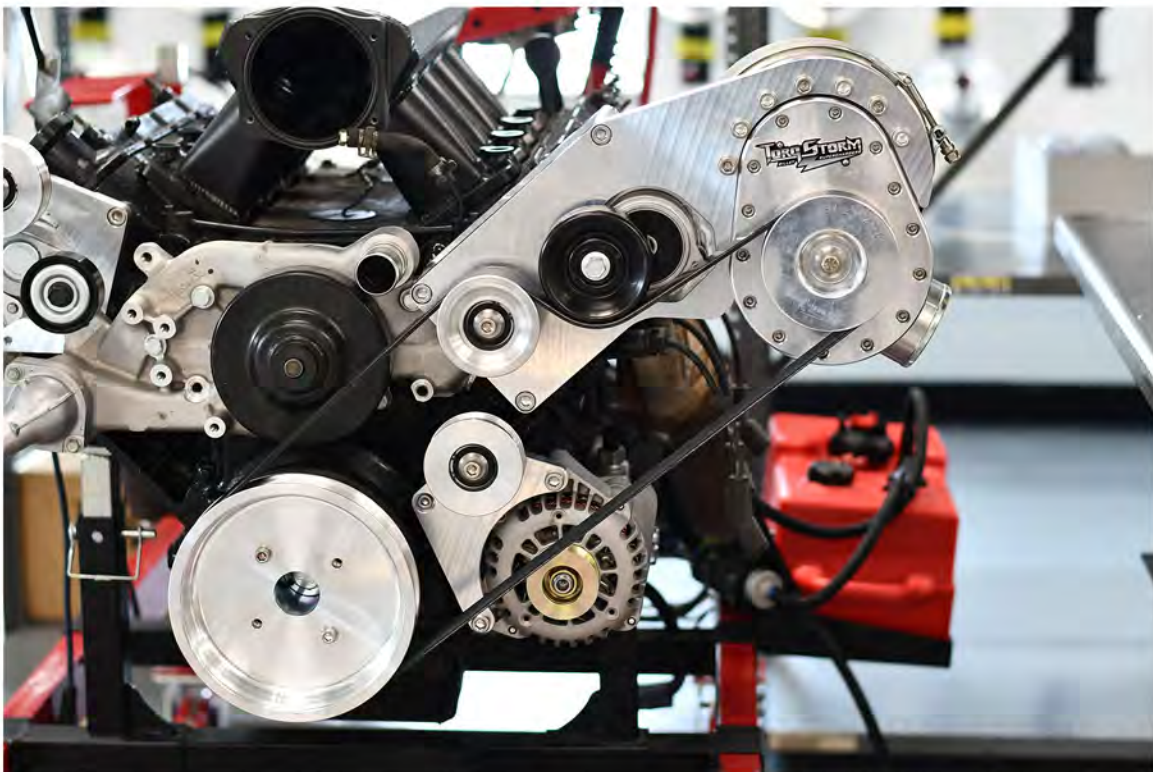


Installation Instructions
LS TRANSPLANT CORVETTE
SPACE DR SIDE
ARP-K-GM-LS1015



STEP 13

Using a long 15mm wrench, pull the tensioner in a clockwise motion and install the supercharger belt.



Installation Instructions
LS TRANSPLANT CORVETTE
SPACE DR SIDE
ARP-K-GM-LS1015



STEP 14

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.

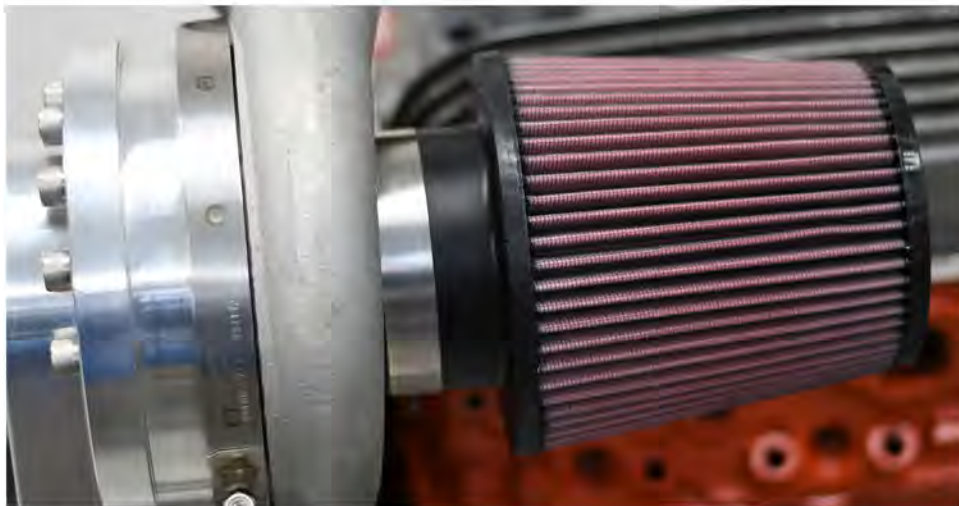


STEP 15

Plumb the intake according to your vehicle, you may have to adjust the supercharger scroll for proper alignment 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 16

Install air filter with provided 3.5" clamp on the back of supercharger.



Installation Instructions

LS TRANSPLANT CORVETTE

SPACE DR SIDE

ARP-K-GM-LS1015



- 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. 11.6 is ideal for 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

3.100" PULLEY = PIN ⁰⁰A ⁰⁰B

DAYCO - 5080600

GATES - K080600

3-1/4" PULLEY = PIN ⁰⁰B ⁰⁰B

DAYCO - 5080600

GATES - K080600

3-1/2" PULLEY= PIN ⁰⁰B ⁰⁰B

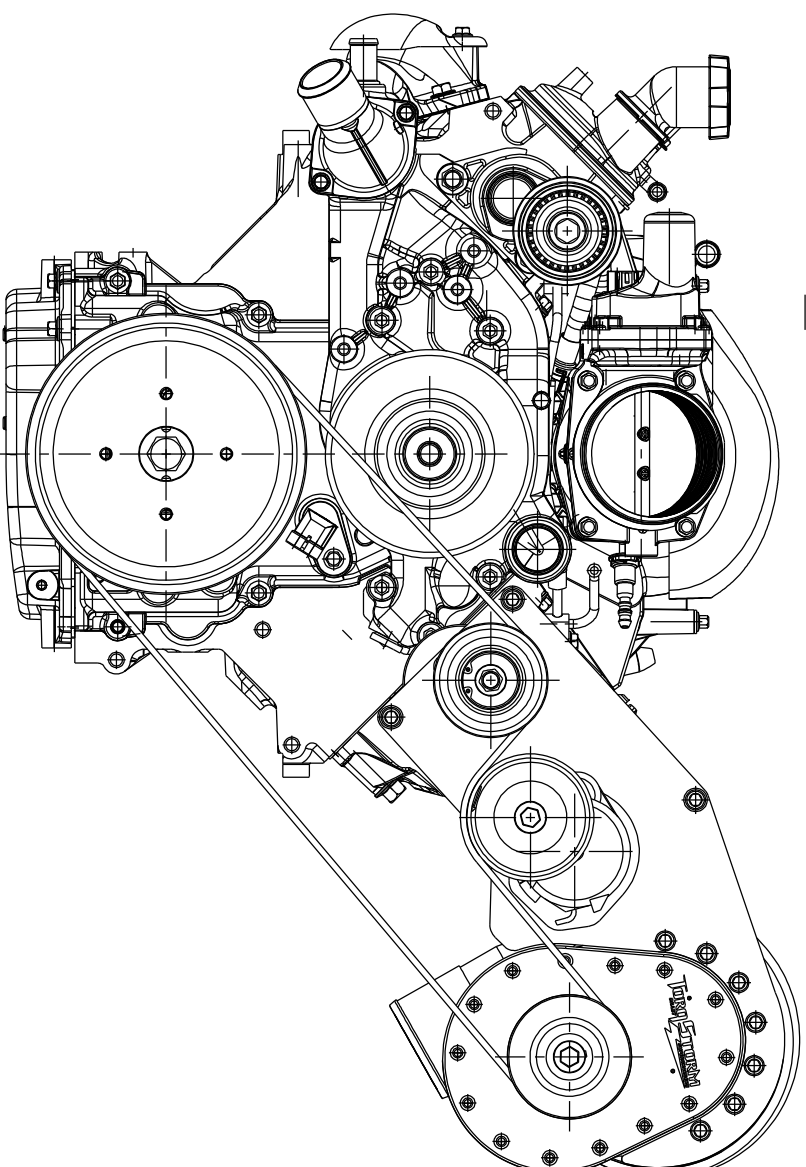
DAYCO - 5080610

GATES - K080610

4.0" PULLEY = PIN ⁰⁰A ⁰⁰A

DAYCO - 5080610

GATES - K080610



Description

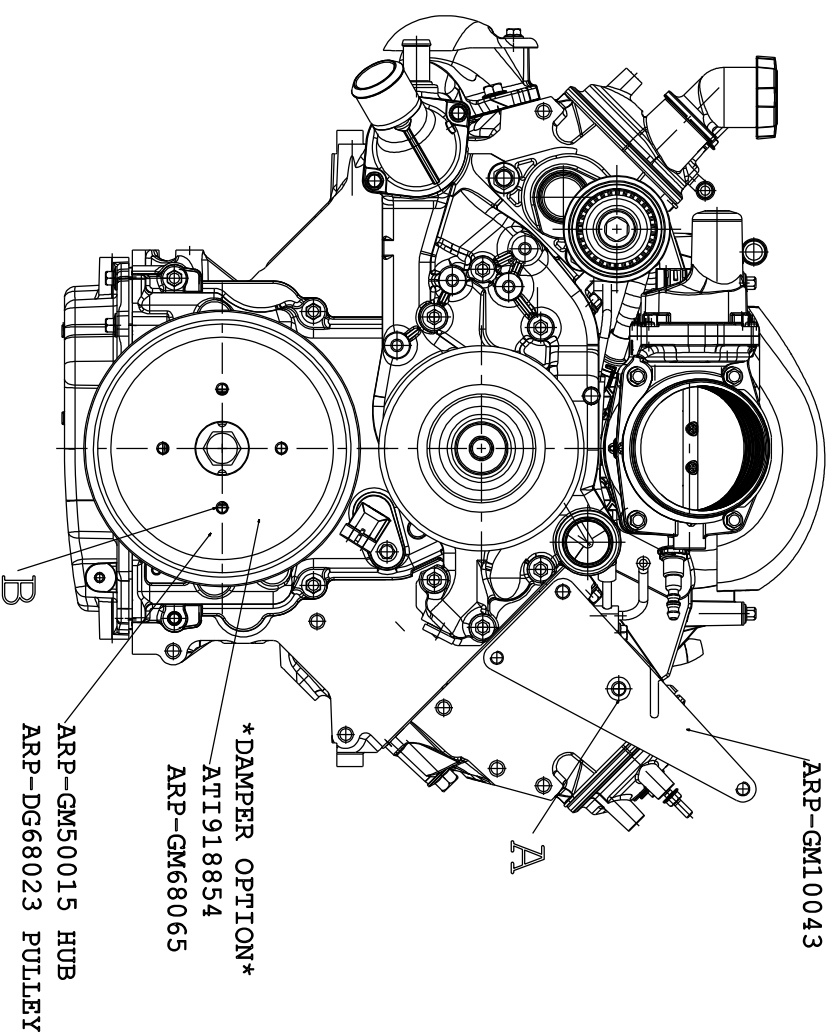
BELT ROUTING

Part 1

ARP-K-GM-LS1015

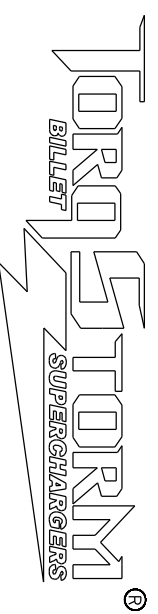


HEAD BRACKET LAYOUT

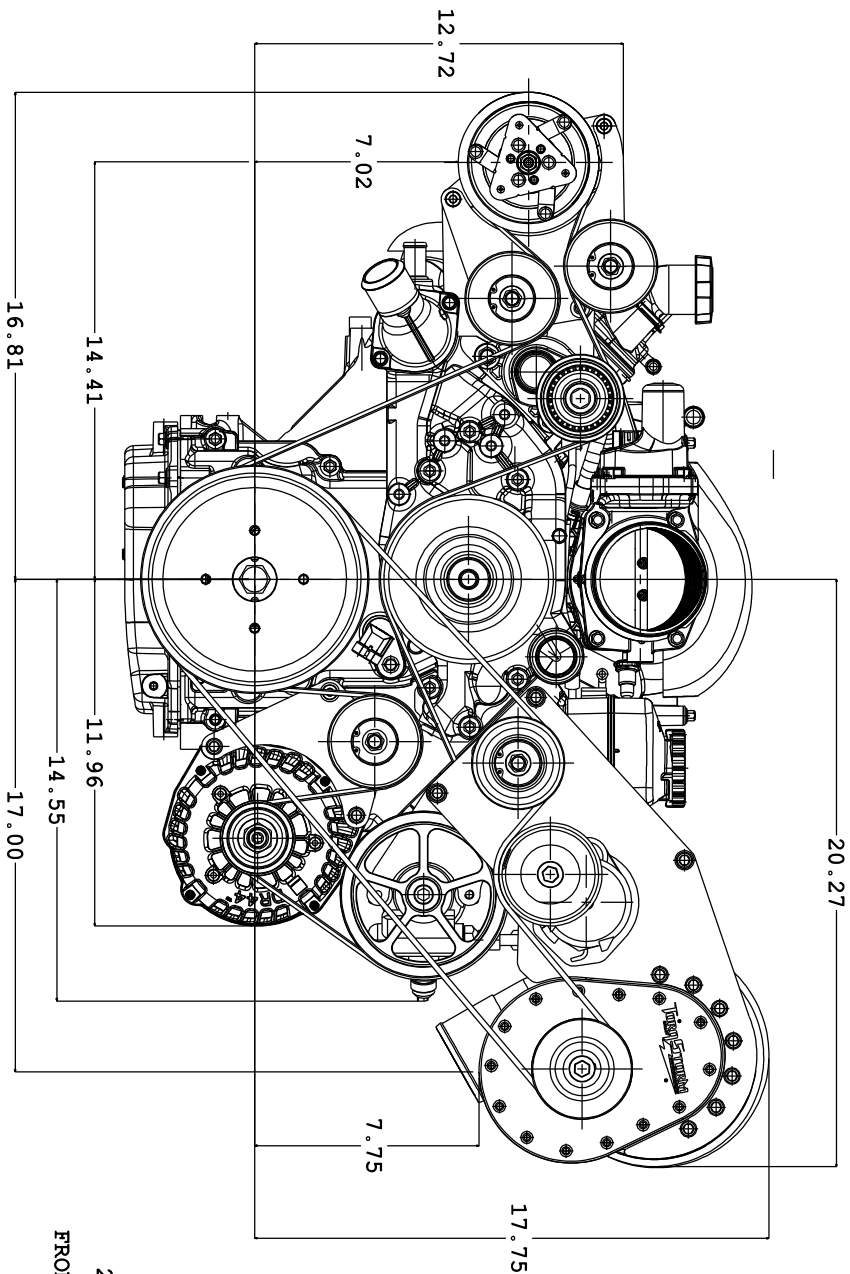


A = 1 @ M10x1.5 x 30mm SS SHCS
B = 4 @ 5/16-24 x 3/4 SS SHCS & WASHER

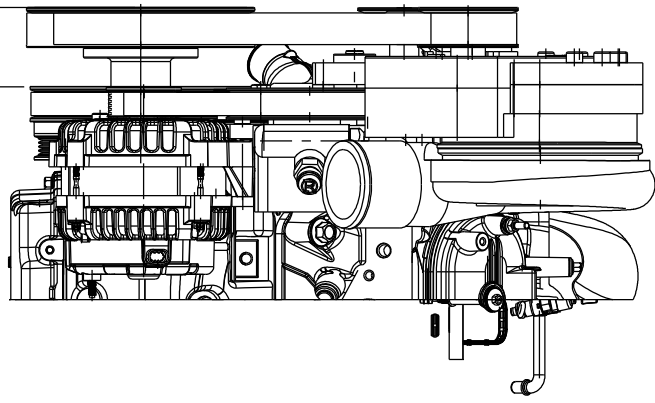
Identification
HEAD BRACKET LAYOUT
Part 1
ARP-K-GM-LS1015



ALL DIMENSIONS ARE FROM
THE CENTER OF THE DAMPER



RIGHT SIDE
VIEW

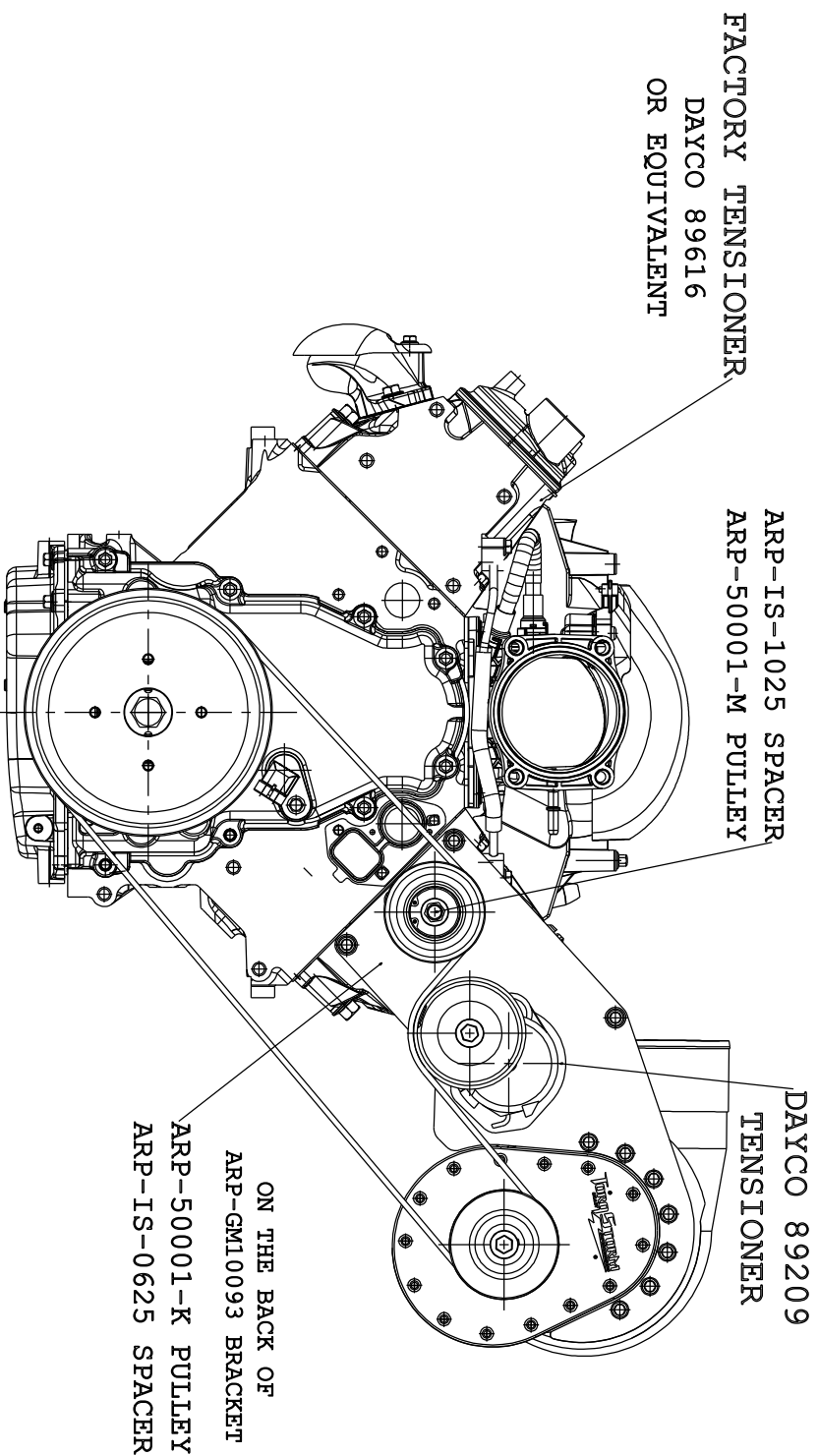


FRONT OF DAMPER

SHOWN WITH OPTIONAL ALTERNATOR
POWER STEERING AND AIR CONDITIONING

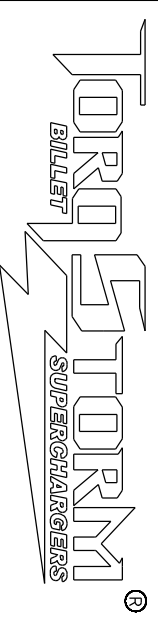
Overseas
KIT DIMENSIONS
Part 1
ARP-K-GM-LS1015
TORO STORM BILLET SUPERCHARGERS

PULLEY LAYOUT

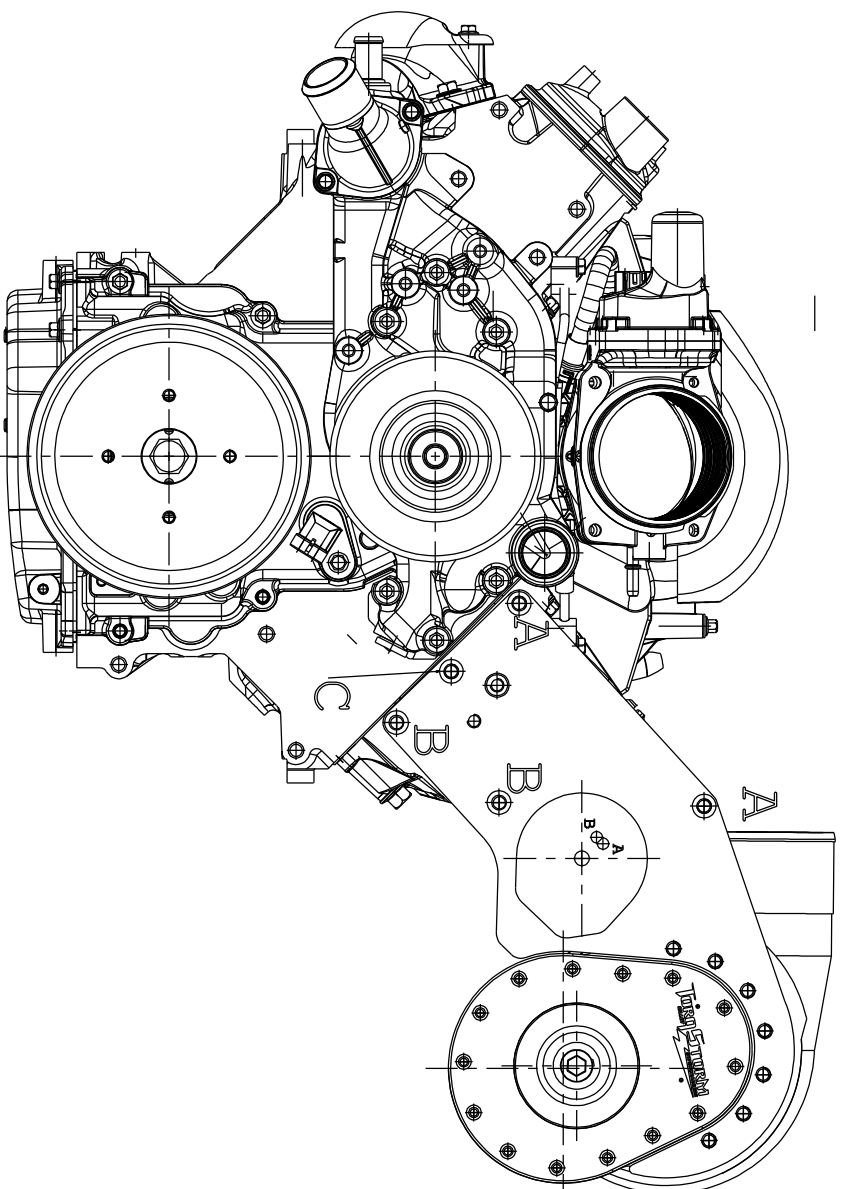


Description
PULLEY LAYOUT

Part #
ARP-K-GM-LS1015



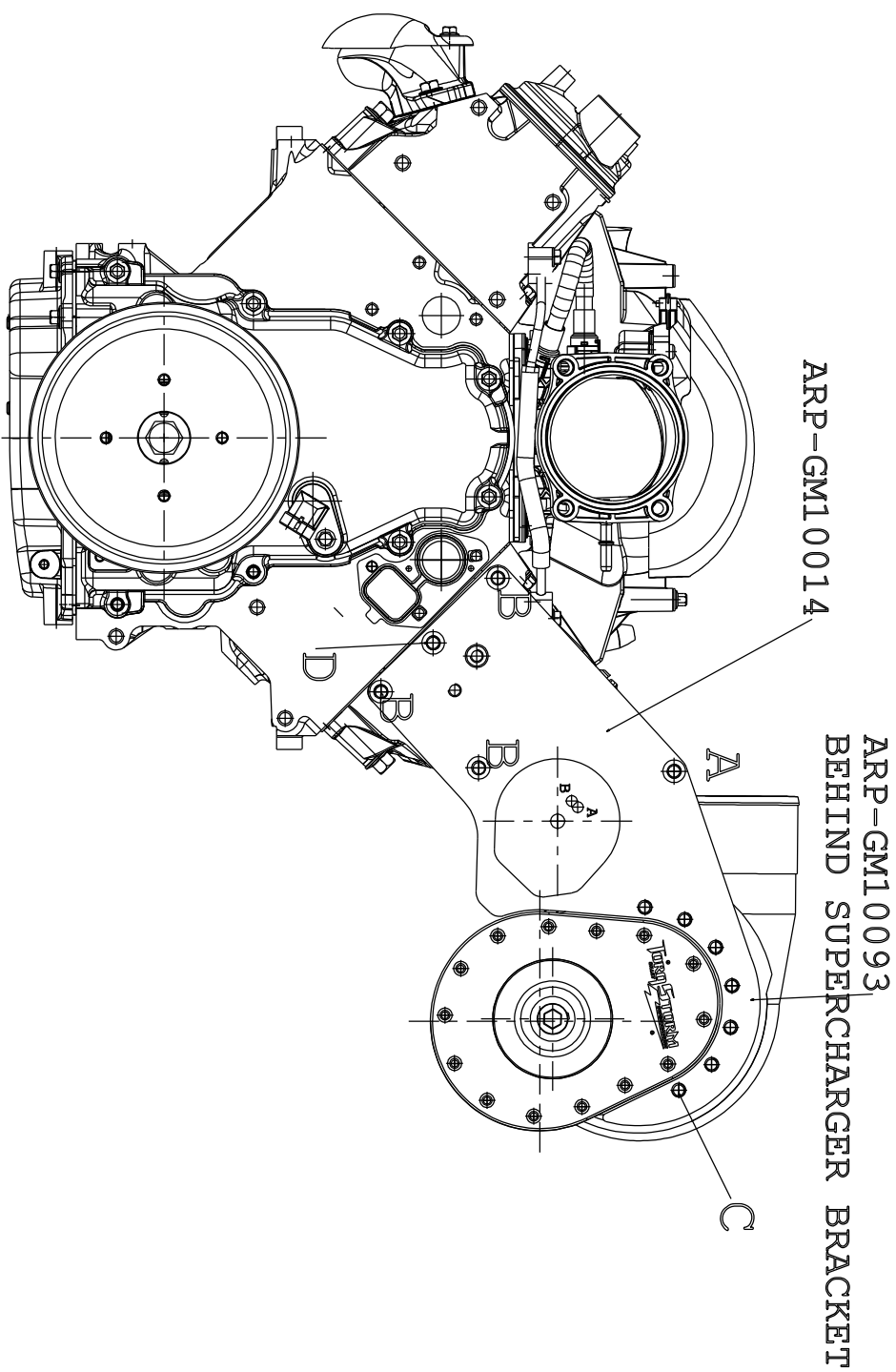
SPACER LAYOUT



A = 2 @ ARP-S-75-3390
 B = 2 @ ARP-S-75-4150
 C = NOT USED

Description	
SPACER LAYOUT	
Part #	
ARP-K-GM-LS1015	

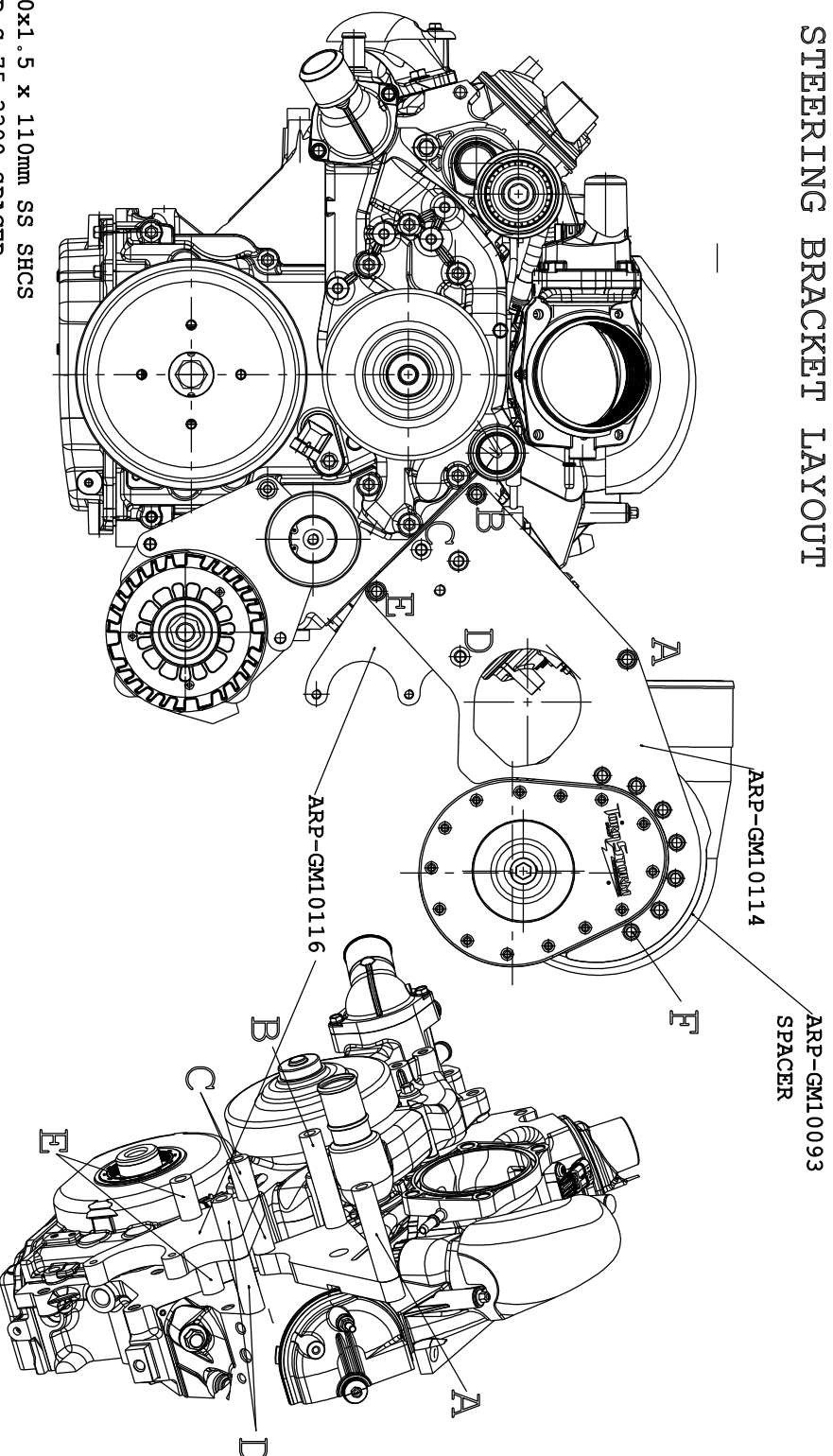
SUPERCHARGER BRACKET LAYOUT



- A = 1 @ M10x1.5 x 110mm SS SHCS
- B = 3 @ M10x1.5 x 130mm SS SHCS
- C = 7 @ 3/8-16 x 2-1/4 SS SHCS & WASHERS.
- D = NOT USED IN THIS KIT

**** WITH SUPERCHARGER ****

POWER STEERING BRACKET LAYOUT



- A = 1 @ M10x1.5 x 110mm SS SHCS
- A = 1 @ ARP-S-75-3390 SPACER
- B = 1 @ M10x1.5 x 130mm SS SHCS
- B = 1 @ ARP-S-75-3390 SPACER
- C = 1 @ M10x1.5 x 110mm SS SHCS
- C = 1 @ ARP-S-75-1250 SPACER BEHIND ARP-GM10116
- C = 1 @ ARP-S-75-1400 SPACER IN FRONT OF ARP-GM10116
- D = 1 @ M10x1.5 x 130mm SS SHCS
- D = 1 @ ARP-S-75-2000 SPACER BEHIND ARP-GM10116
- D = 1 @ ARP-75-1400 SPACER IN FRONT OF ARP-GM10116
- E = 1 @ M10x1.5 x 130mm SS SHCS
- E = 1 @ ARP-S-75-2000 SPACER BEHIND ARP-GM10116
- E = 1 @ ARP-S-75-1400 SPACER IN FRONT OF ARP-GM10116
- F = 7 @ 3/8-16 x 2-1/4 SS SHCS & WASHERS

ISO VIEW

Part #
Description
ARP-K-GM-LS1015 WITH PS
ARP-GM10116A

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.