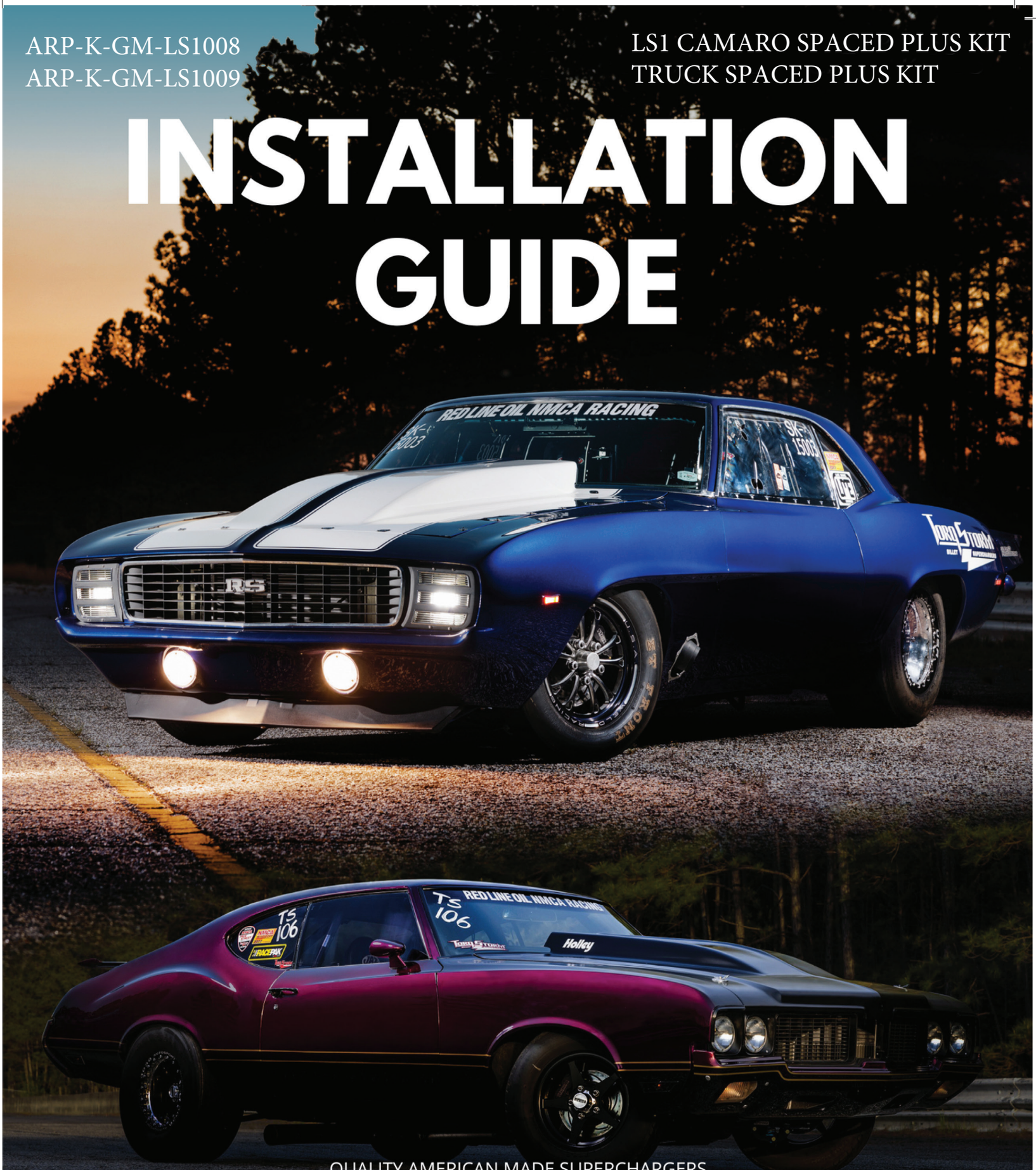
ARP-K-GM-LS1008
ARP-K-GM-LS1009

LS1 CAMARO SPACED PLUS KIT
TRUCK SPACED PLUS KIT

INSTALLATION GUIDE



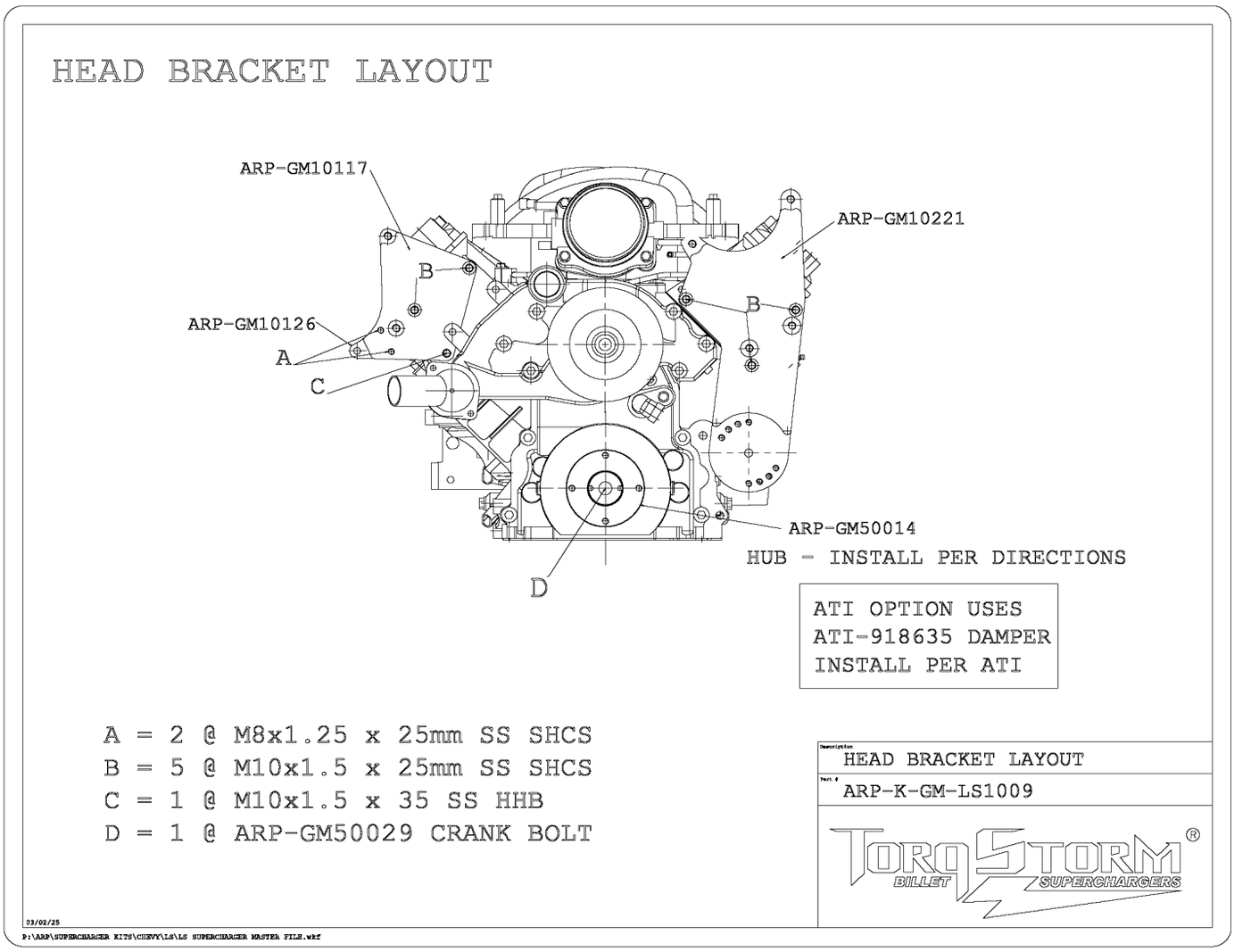
QUALITY AMERICAN MADE SUPERCHARGERS

TorqStorm® BILLET SUPERCHARGERS

This instruction booklet covers a kit that is offered in 2 different spacings. The supercharger kit will only contain the spacers that are for the kit in the spacing you ordered.. Please be sure you are placing them as the instructions and layout sheets show.

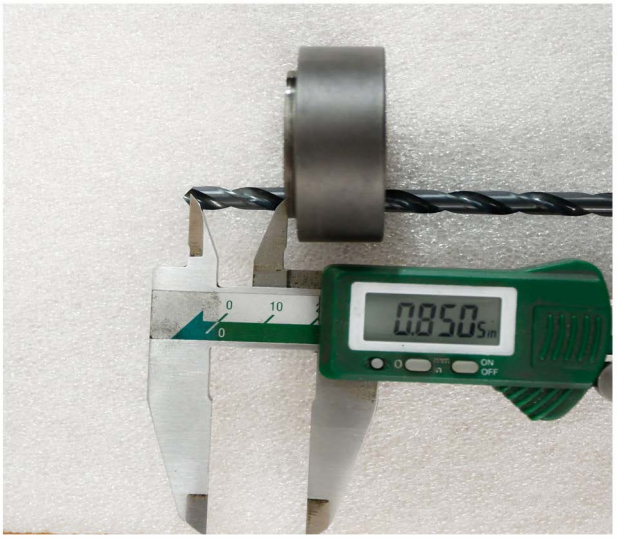
STEP:1

Install the Head brackets, P/N ARP-GM10221 gets installed on the driver side head. Use the (3) M10X1.5X25MM SHCS to install the bracket. P/N ARP-GM10117 gets installed on the passenger side head. Use the (2) M10X1.5X25MM SHCS to fasten. Torque the M10 bolts to 29FTLBS. Install the bracket P/N ARP-GM10126 on to the back side of the GM10117 bracket.



STEP:2

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:3

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



STEP:4

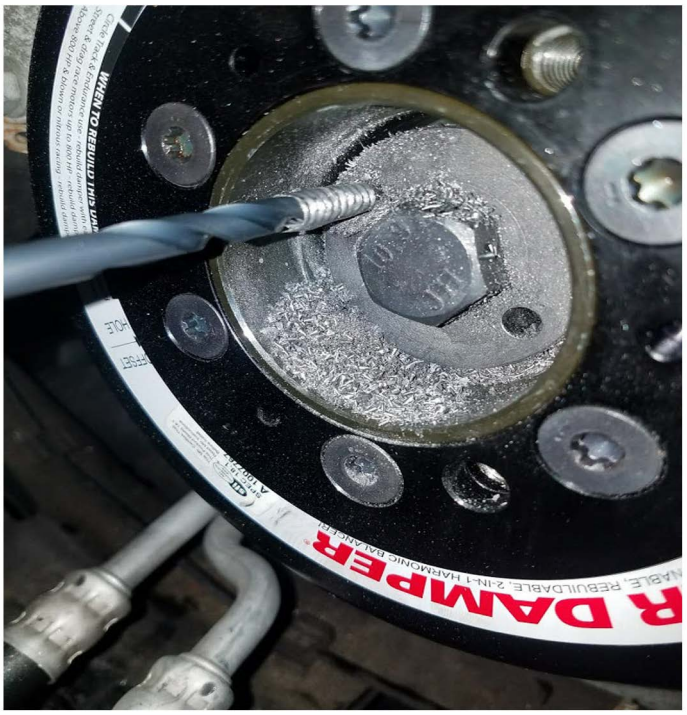
Install the pin tool with supplied bolt. Snug down so tool is locked in position while drilling.

STEP:5

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.





STEP:6

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 key way as oil can leak through.



STEP:7

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



STEP:8

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:9

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



STEP:10

Install supercharger crank pulley with (4) 5/16 bolts and washers.

Apply blue Loctite and torque to 19 ft lbs.



Step:11

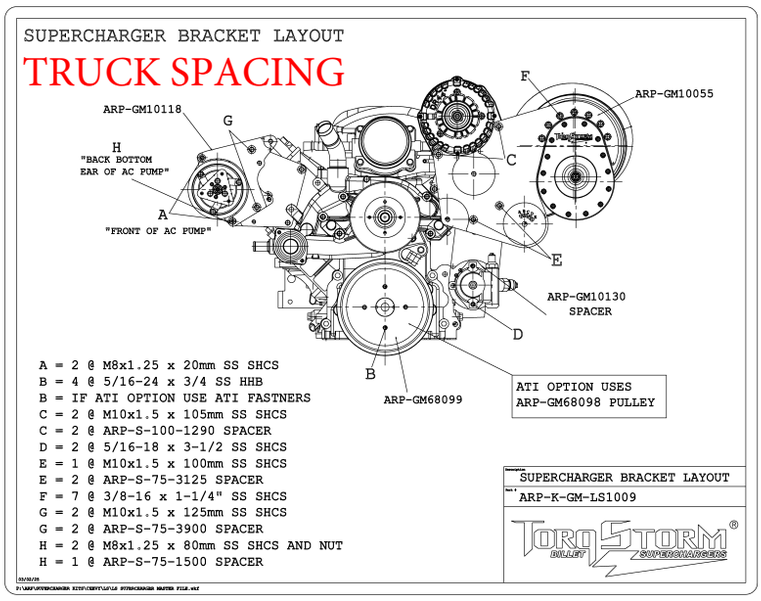
Install the supercharger bracket. Mount the bracket using the (2) 3.125" spacers for truck, or 2.475" spacers for ls1. These spacers go in location "E". Refer to the layout sheet below for bolt size. Leave those bolts loose. Install that alternator refer to the layout sheet below for spacer and bolt size. Tighten bold marked in location "C", and "E" torque these bolts to 29FTLBS.

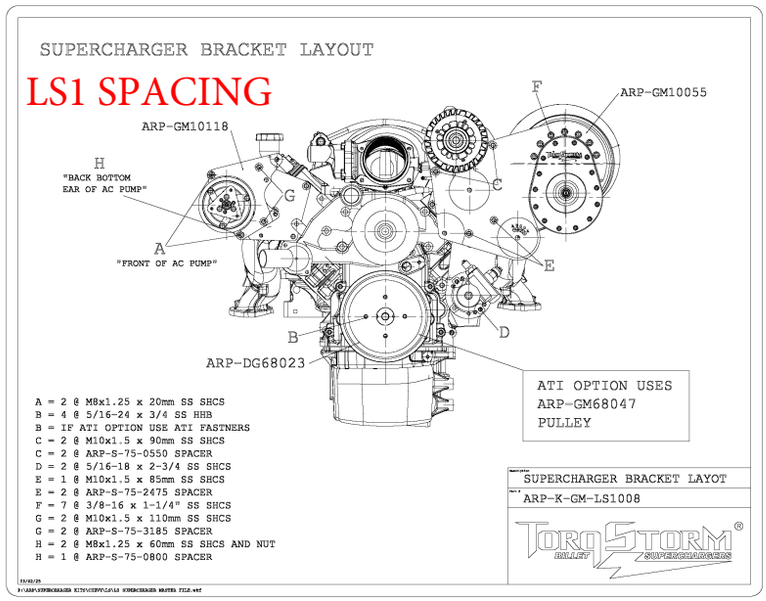
Step:12

Install the 8 rib supercharger pulley. Part numbers are listed below, if you are using the ATI damper please verify the part number shown in the ATI option box matches the part number on the crank pulley. Torque the bolts to ATI recommendations. If you are using the hub kit from us torque the bolts to 19FTLBS.

Step:12.5

Install the power steering pump, if you have the truck spaced kit, you need to install the ARP-GM10130 spacer behind the pump. Refer to the lay out sheets for bolt size. torque to 19 FTLBS. Press the power steering pulley on flush with the arbor of the pump.



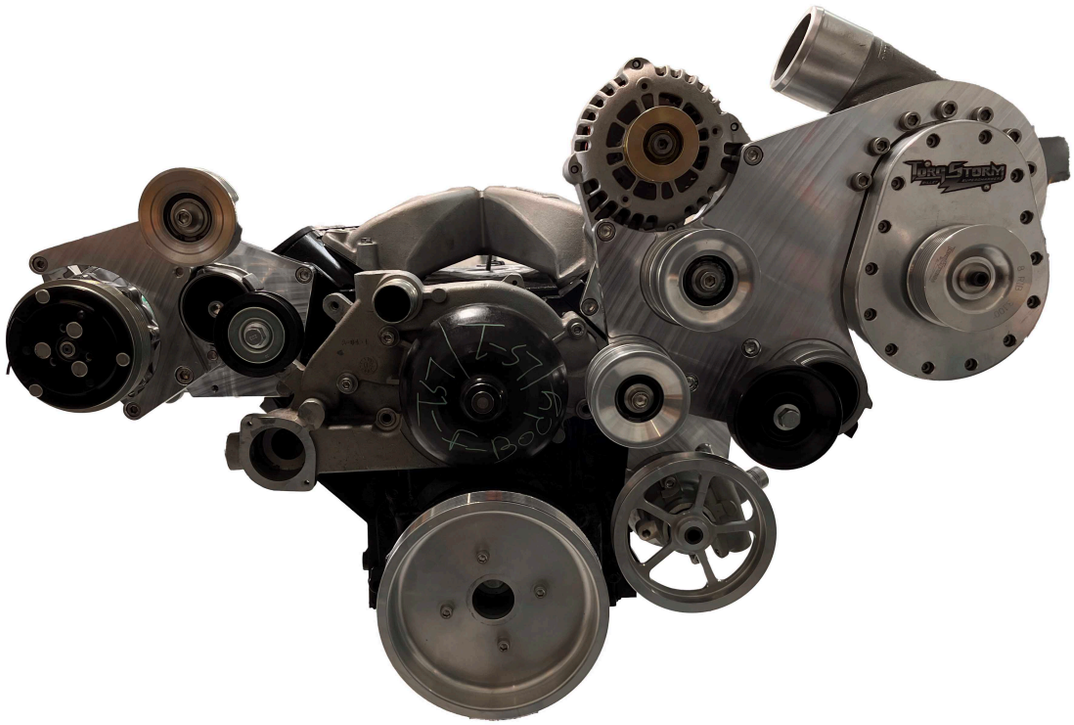


Step:13

Install the A/C compressor and brackets. you can refer to the layout sheets on the previous page for bolt and spacer sizing. Bolts Marked as "G" torque to 29FTLBS, the bolts marked as "A",and "H" torque to 12FTLBS.

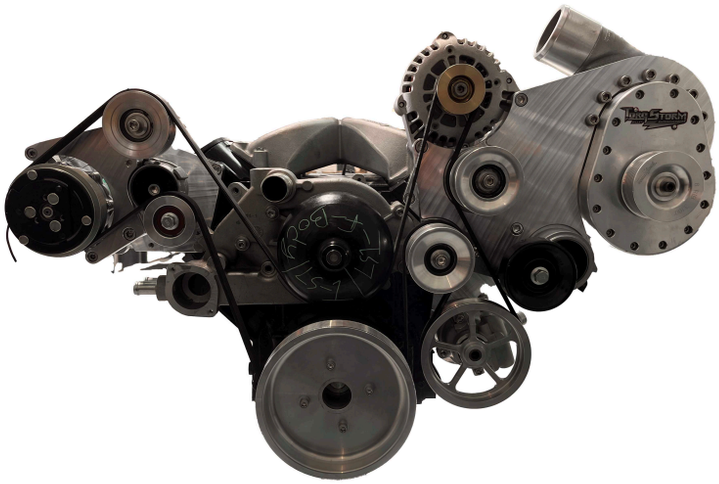
Step:14

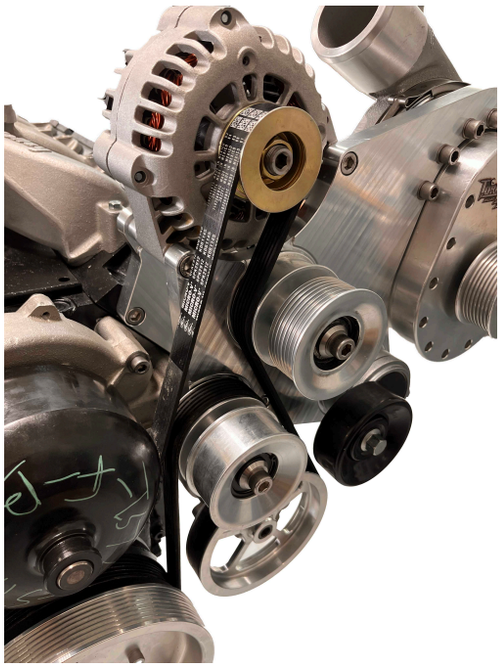
Install the TorqStorm supercharger on to the bracket using the (7) supplied 3/8-16x1.25" bolts and the (7) an washers. torque to 29FTLBS. Do not install the idler pulleys yet.

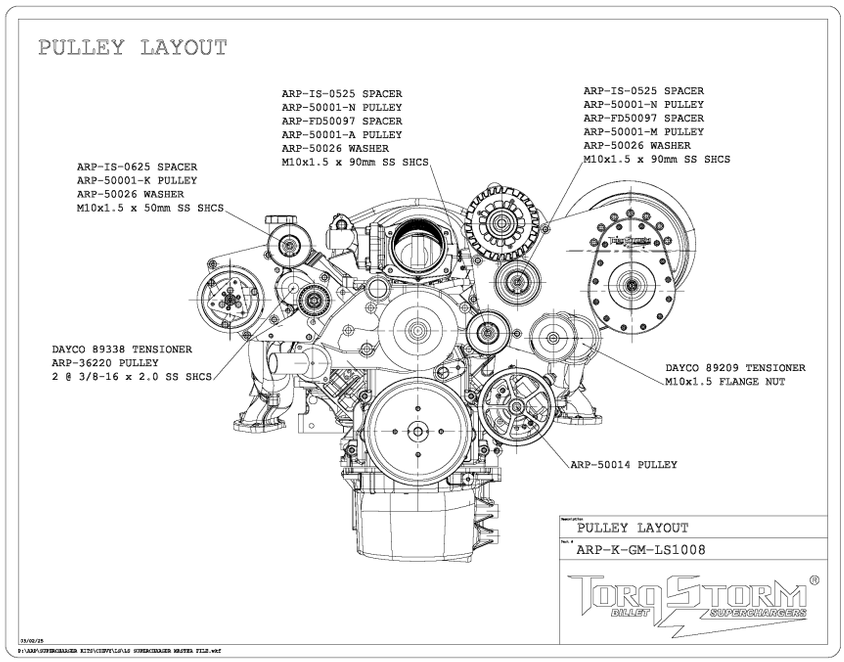


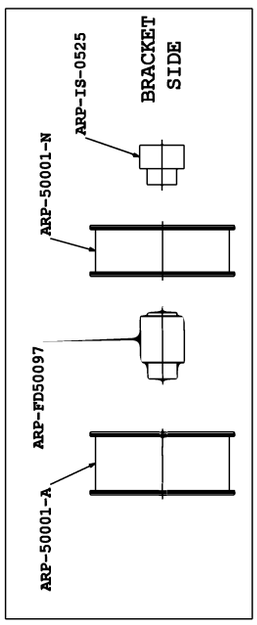
Step:15

Install the idler pulleys. please notice that 2 of the idler assemblys are double stacked. Refrence the double idler stack up to assemble correctly. Once the pulleys are installed you can install the accessory belt.





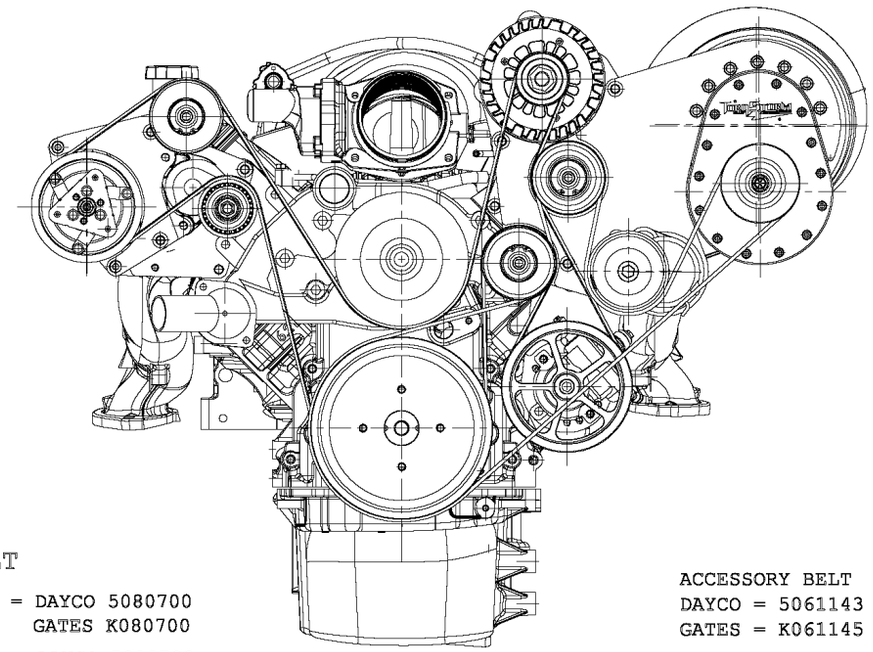




Step:16

Install the supercharger belt tensioner. please refer to the belt routing page below to verify the locating pin on the tensioner is placed in the correct hole, for the pulley equipped on the supercharger.

BELT ROUTING



SUPERCHARGER BELT

3.100" PULLEY USES PIN "B" = DAYCO 5080700
GATES K080700

3-1/4" PULLEY USES PIN "C" = DAYCO 5080700
GATES K080700

3-1/2" PULLEY USES PIN "C" = DAYCO 5080700
GATES K080700

3-3/4" PULLEY USES PIN "D" = DAYCO 5080700
GATES K080700

4.000" PULLEYS USE PIN "D" = DAYCO 5080700
GATES K080700

ACCESSORY BELT
DAYCO = 5061143
GATES = K061145

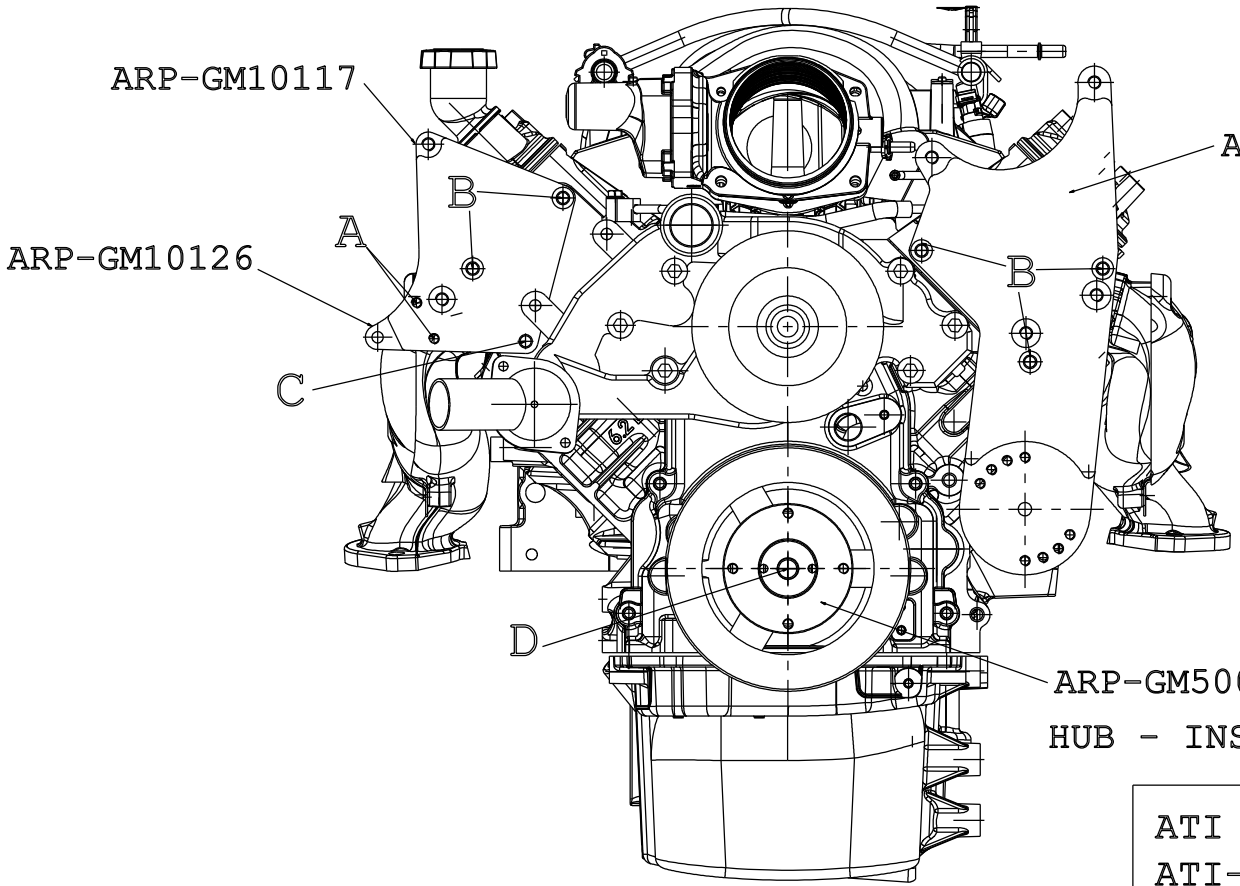
Description: KIT DIMENSIONS

Part #: ARP-K-GM-LS1008

03/02/25

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HEAD BRACKET LAYOUT



HUB - INSTALL PER DIRECTIONS

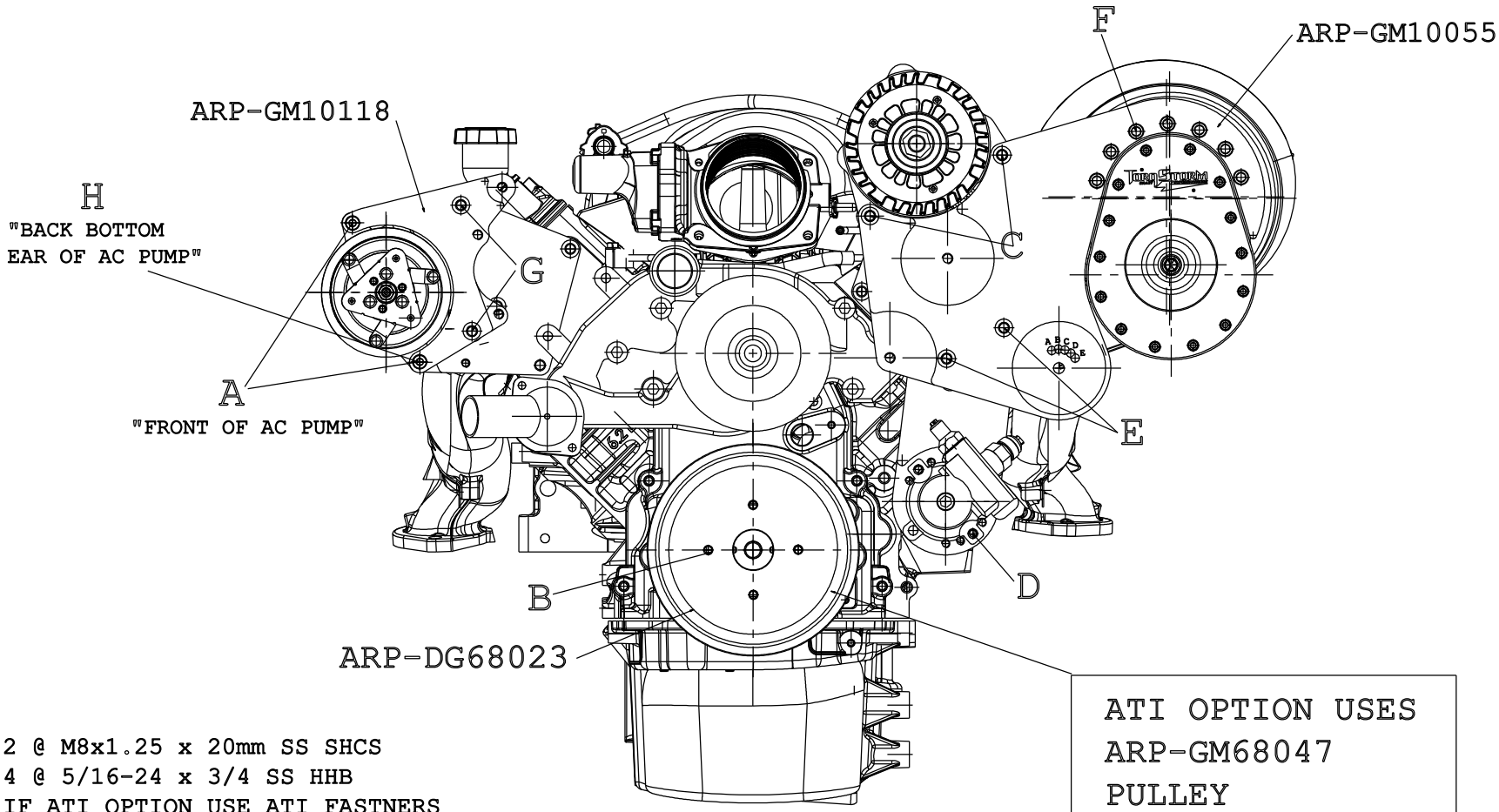
ATI OPTION USES
ATI-918853 DAMPER
INSTALL PER ATI

A = 2 @ M8x1.25 x 25mm SS SHCS
B = 5 @ M10x1.5 x 25mm SS SHCS
C = 1 @ M10x1.5 x 35 SS HHB
D = 1 @ ARP-GM50029 CRANK BOLT

Description	HEAD BRACKET LAYOUT
Part #	ARP-K-GM-LS1008

TORQSTORM® BILLET SUPERCHARGERS

SUPERCHARGER BRACKET LAYOUT



ATI OPTION USES
ARP-GM68047
PULLEY

A = 2 @ M8x1.25 x 20mm SS SHCS
B = 4 @ 5/16-24 x 3/4 SS HHB
B = IF ATI OPTION USE ATI FASTNERS
C = 2 @ M10x1.5 x 90mm SS SHCS
C = 2 @ ARP-S-75-0550 SPACER
D = 2 @ 5/16-18 x 2-3/4 SS SHCS
E = 1 @ M10x1.5 x 85mm SS SHCS
E = 2 @ ARP-S-75-2475 SPACER
F = 7 @ 3/8-16 x 1-1/4" SS SHCS
G = 2 @ M10x1.5 x 110mm SS SHCS
G = 2 @ ARP-S-75-3185 SPACER
H = 2 @ M8x1.25 x 60mm SS SHCS AND NUT
H = 1 @ ARP-S-75-0800 SPACER

Description
SUPERCHARGER BRACKET LAYOT

Part #
ARP-K-GM-LS1008

TORQSTORM® BILLET SUPERCHARGERS

03/02/25

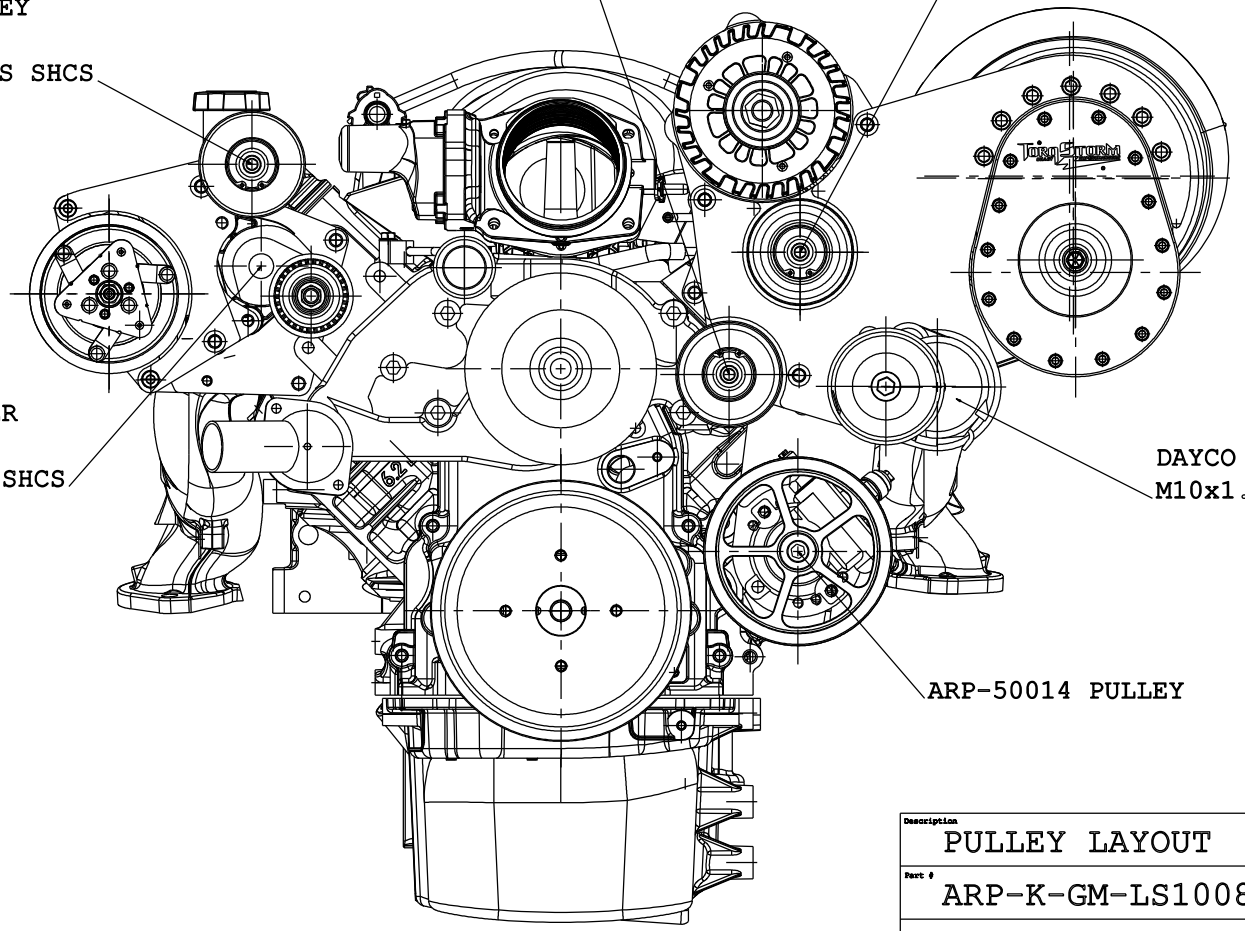
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PULLEY LAYOUT

ARP-IS-0525 SPACER
ARP-50001-N PULLEY
ARP-FD50097 SPACER
ARP-50001-A PULLEY
ARP-50026 WASHER
M10x1.5 x 90mm SS SHCS

ARP-IS-0525 SPACER
ARP-50001-N PULLEY
ARP-FD50097 SPACER
ARP-50001-M PULLEY
ARP-50026 WASHER
M10x1.5 x 90mm SS SHCS

ARP-IS-0625 SPACER
ARP-50001-K PULLEY
ARP-50026 WASHER
M10x1.5 x 50mm SS SHCS



DAYCO 89338 TENSIONER
ARP-36220 PULLEY
2 @ 3/8-16 x 2.0 SS SHCS

DAYCO 89209 TENSIONER
M10x1.5 FLANGE NUT

ARP-50014 PULLEY

Description
PULLEY LAYOUT

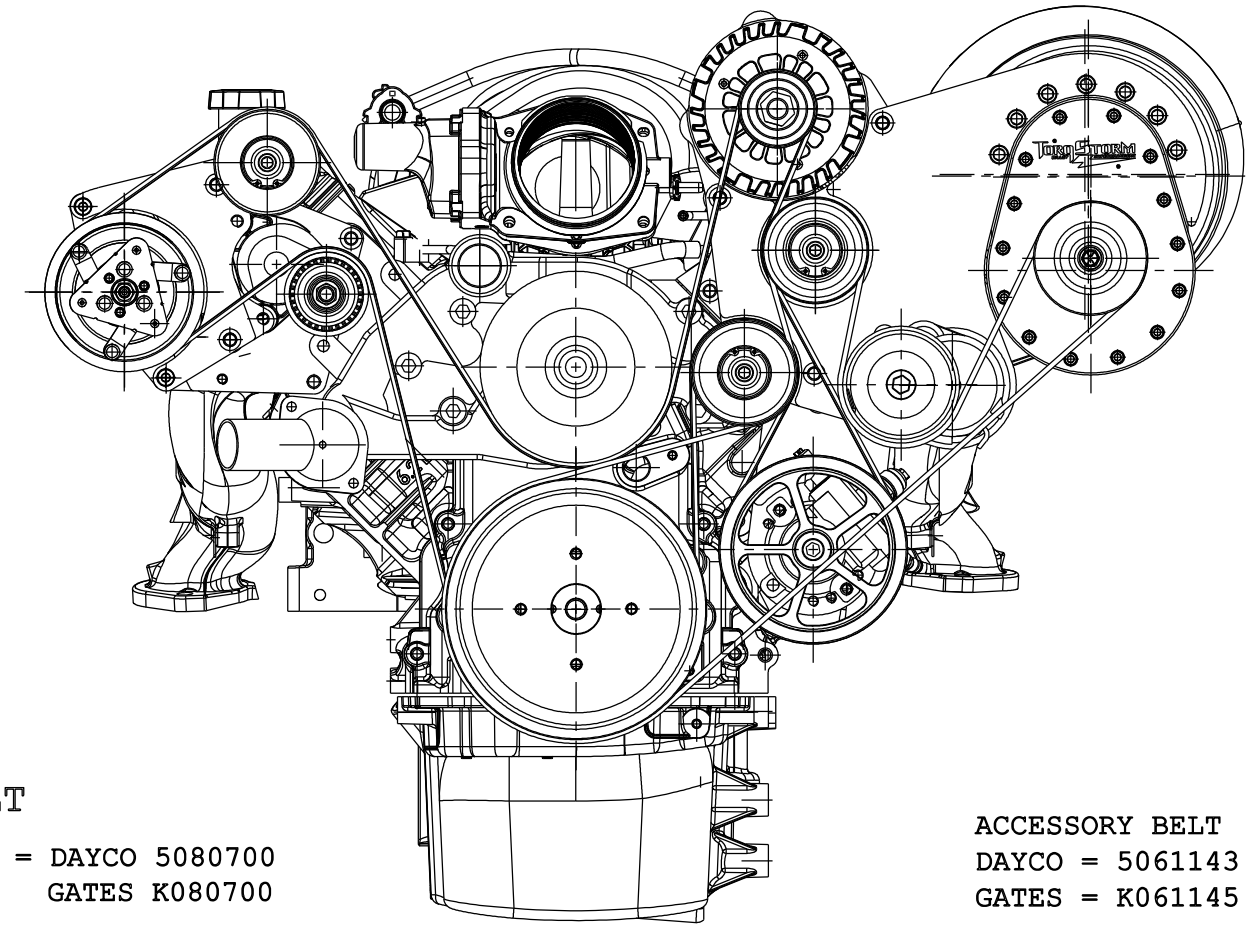
Part #
ARP-K-GM-LS1008

TORQSTORM BILLET SUPERCHARGERS

03/02/25

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BELT ROUTING



SUPERCHARGER BELT

3.100" PULLEY USES PIN "B" = DAYCO 5080700
GATES K080700

3-1/4" PULLEY USES PIN "C" = DAYCO 5080700
GATES K080700

3-1/2" PULLEY USES PIN "C" = DAYCO 5080700
GATES K080700

3-3/4" PULLEY USES PIN "D" = DAYCO 5080700
GATES K080700

4.000" PULLEYS USE PIN "D" = DAYCO 5080700
GATES K080700

ACCESSORY BELT
DAYCO = 5061143
GATES = K061145

Description
KIT DIMENSIONS

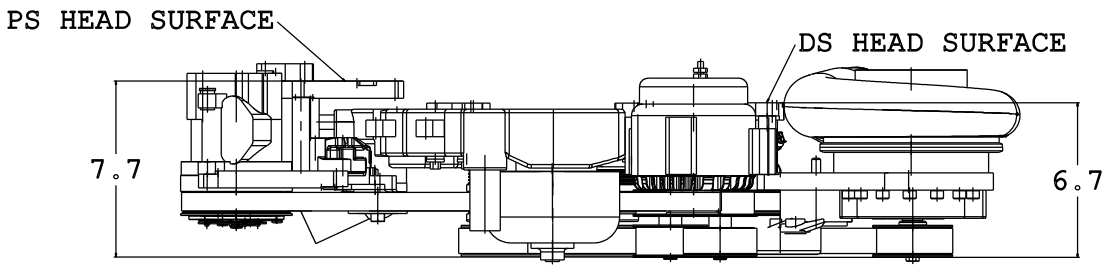
Part #
ARP-K-GM-LS1008

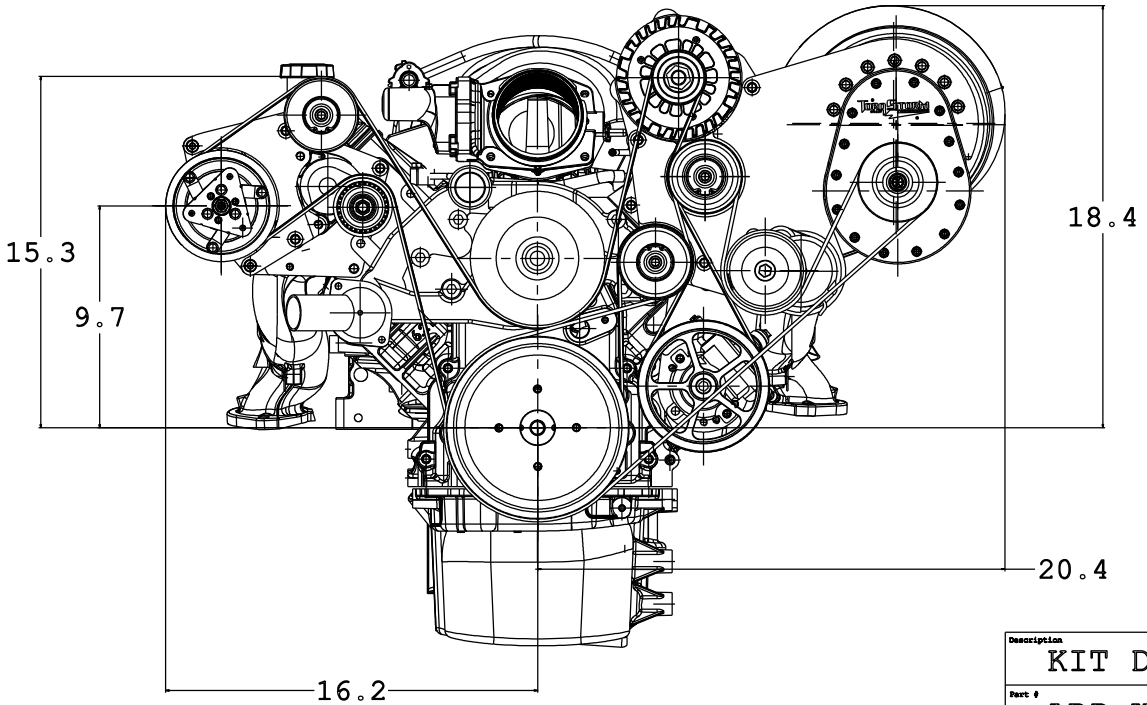
TORQSTORM® BILLET SUPERCHARGERS

03/02/25

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KIT DIMENSIONS





Description
KIT DIMENSIONS

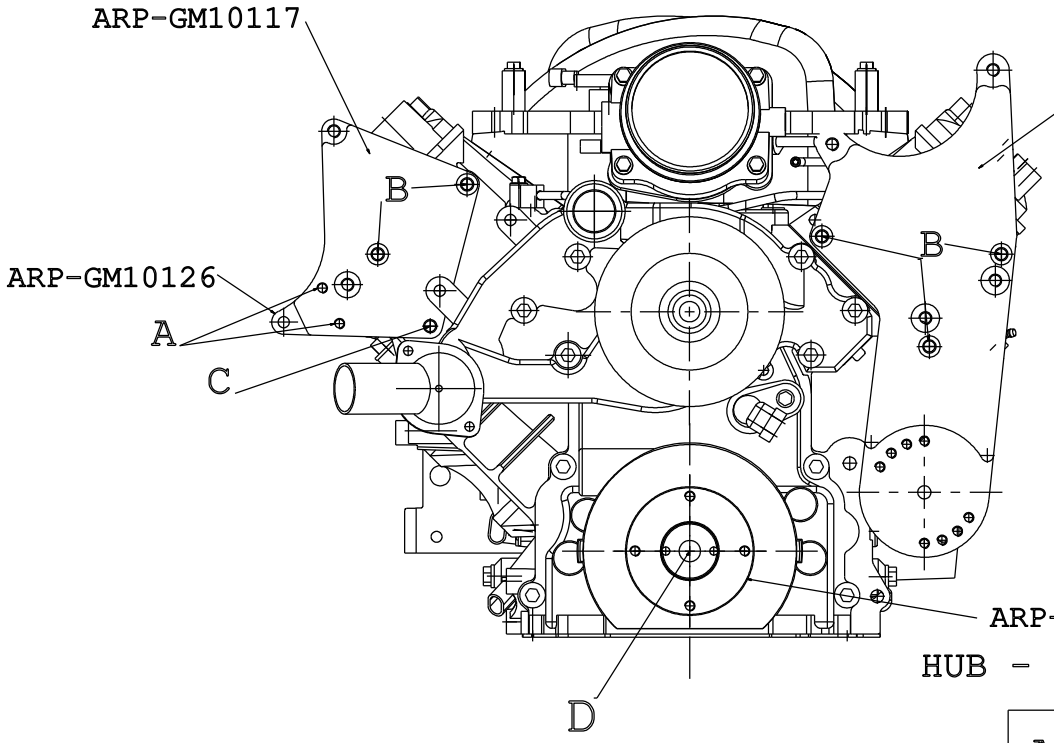
Part #
ARP-K-GM-LS1008

TORQSTORM® BILLET SUPERCHARGERS

03/02/25

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HEAD BRACKET LAYOUT



HUB - INSTALL PER DIRECTIONS

ATI OPTION USES
ATI-918635 DAMPER
INSTALL PER ATI

A = 2 @ M8x1.25 x 25mm SS SHCS
B = 5 @ M10x1.5 x 25mm SS SHCS
C = 1 @ M10x1.5 x 35 SS HHB
D = 1 @ ARP-GM50029 CRANK BOLT

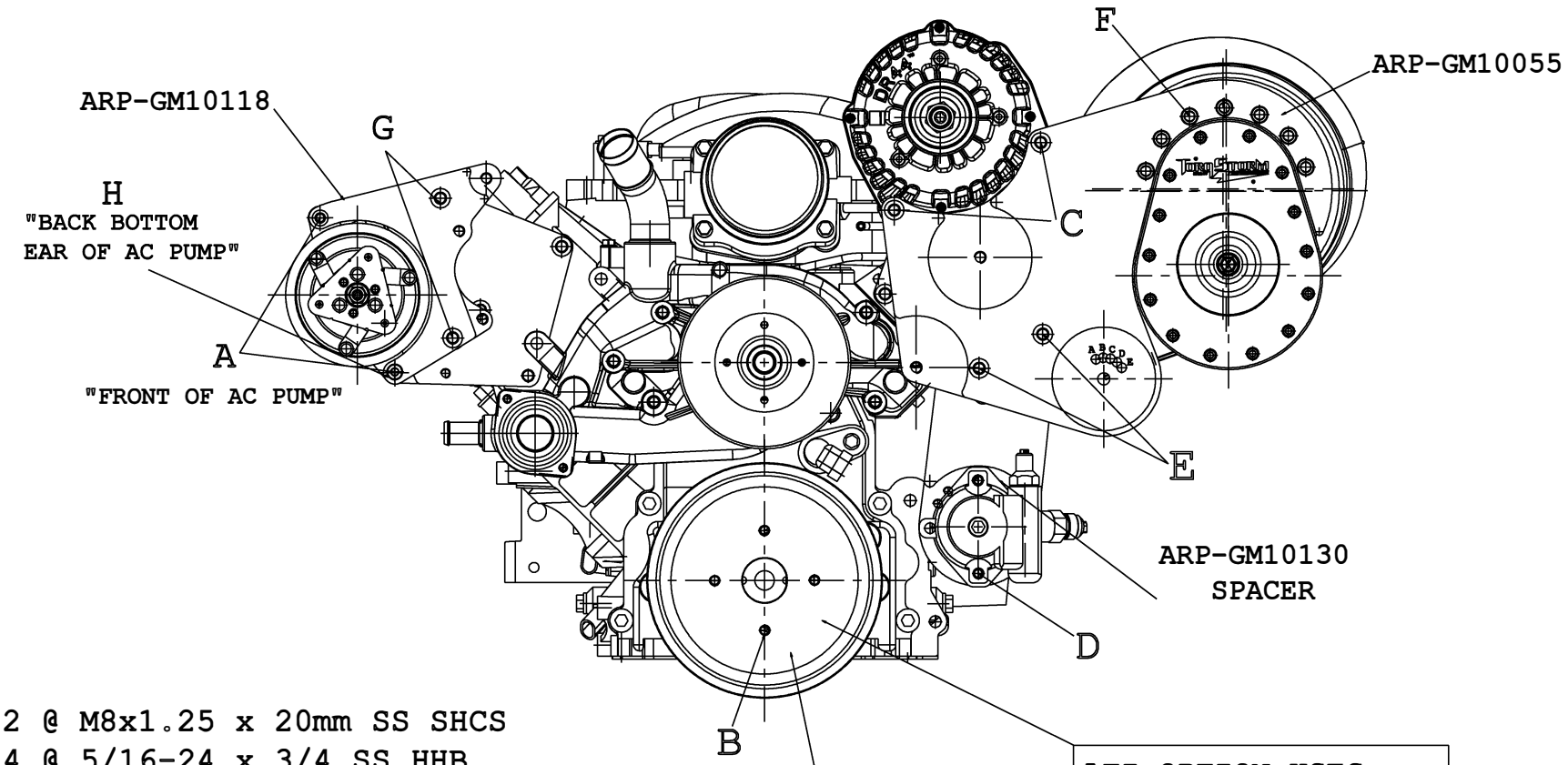
Description	HEAD BRACKET LAYOUT
Part #	ARP-K-GM-LS1009

TORQSTORM® BILLET SUPERCHARGERS

03/02/25

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SUPERCHARGER BRACKET LAYOUT



A = 2 @ M8x1.25 x 20mm SS SHCS
B = 4 @ 5/16-24 x 3/4 SS HHB
B = IF ATI OPTION USE ATI FASTNERS
C = 2 @ M10x1.5 x 105mm SS SHCS
C = 2 @ ARP-S-100-1290 SPACER
D = 2 @ 5/16-18 x 3-1/2 SS SHCS
E = 1 @ M10x1.5 x 100mm SS SHCS
E = 2 @ ARP-S-75-3125 SPACER
F = 7 @ 3/8-16 x 1-1/4" SS SHCS
G = 2 @ M10x1.5 x 125mm SS SHCS
G = 2 @ ARP-S-75-3900 SPACER
H = 2 @ M8x1.25 x 80mm SS SHCS AND NUT
H = 1 @ ARP-S-75-1500 SPACER

Description
SUPERCHARGER BRACKET LAYOUT

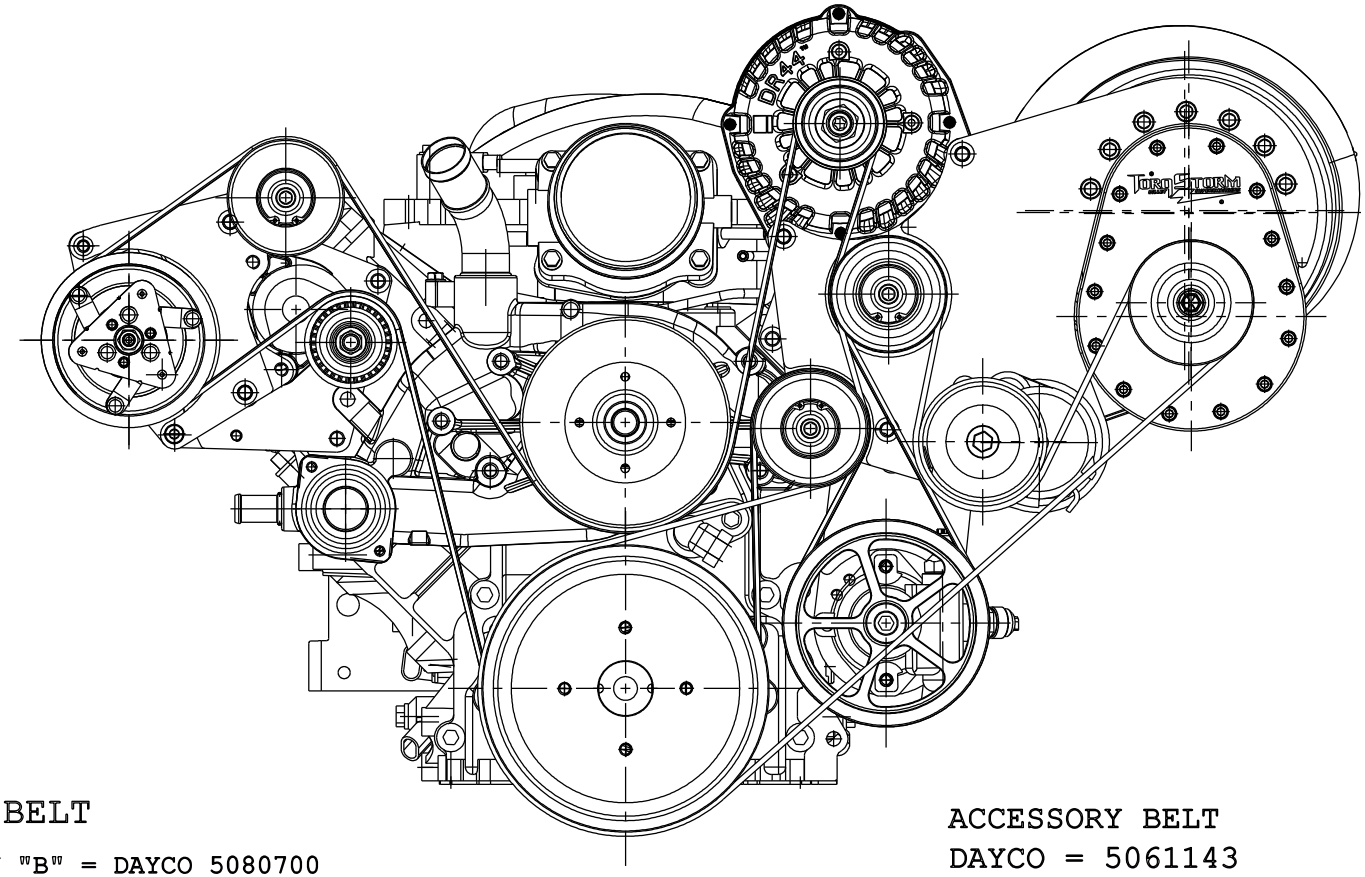
Part #
ARP-K-GM-LS1009

TORQSTORM® BILLET SUPERCHARGERS

03/02/25

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BELT ROUTING



SUPERCHARGER BELT

3.100" PULLEY USES PIN "B" = DAYCO 5080700
GATES K080700

3-1/4" PULLEY USES PIN "C" = DAYCO 5080700
GATES K080700

3-1/2" PULLEY USES PIN "C" = DAYCO 5080700
GATES K080700

3-3/4" PULLEY USES PIN "D" = DAYCO 5080700
GATES K080700

4.000" PULLEYS USE PIN "D" = DAYCO 5080700
GATES K080700

ACCESSORY BELT

DAYCO = 5061143
GATES = K061145

Description
BELT ROUTING

Part #
ARP-K-GM-LS1009

TORQSTORM® BILLET SUPERCHARGERS

- *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, headers, or supercharger components.*
- *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

Oil Change Instructions

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.

Instructions
BOV MAINTENANCE

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

the BOV must be hooked to a full manifold vacuum supply. A ported supply can NOT be used. If you are running TWO BOV's each BOV must have its own vac supply. i can not TEE off the other vac supply.



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. This warranty DOES NOT cover "R" Series Superchargers (TS84R,TS91R or TS94R)

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.