

ARP-K-GM-SBC-PS

SMALL BLOCK CHEVY PASSENGER SIDE

INSTALLATION GUIDE



QUALITY AMERICAN MADE SUPERCHARGERS



Installation Instructions

SBC SINGLE SUPERCHARGER KIT

ARP-K-GM-SBC-PS



This kit will not work with factory heads

STEP 1

Mount the head bracket to the pass side head as per layout diagram. There are numerous holes for multiple head choices.

Torque to 29 ft lbs



STEP 2

Mount the supercharger bracket using (4) 3/8-16 bolts and (4) long spacers. (lengths will differ between short and long waterpump). Check layout sheet.

Torque all bolts to 29 ft. lbs.



Installation Instructions

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STEP 3

Mount the crank pulley

LWP-ARP-GM68045/

SWP-ARP-GM68064 using (3)

3/8-24 x 1" bolts and AN

washers. For the center

(1) 7/16-20 x 3" bolt and steel

bushing. (confirm with layout

sheet for short and long

water pump kits)

Torque 3/8 bolts to 29 ft. lbs

Torque 7/16 bolt to 55 ft. lbs



STEP 4

Mount the supercharger

to the bracket using (7) 3/8-16 x

1.25" bolts and AN washers

Torque all bolts to 29 ft. lbs.



Installation Instructions
SBC SINGLE SUPERCHARGER KIT
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STEP 5

Install supercharger belt. Using a long 15mm wrench rotate the tensioner clockwise to slide the belt over the pulley.



Installation Instructions

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STEP 6

Rotate the compressor housing to achieve desired output location. To do so, loosen the v-band clamp and rotate. Do not overtighten. Just tight enough so the housing is no longer able to turn. About 1/2" of threads showing is typical.

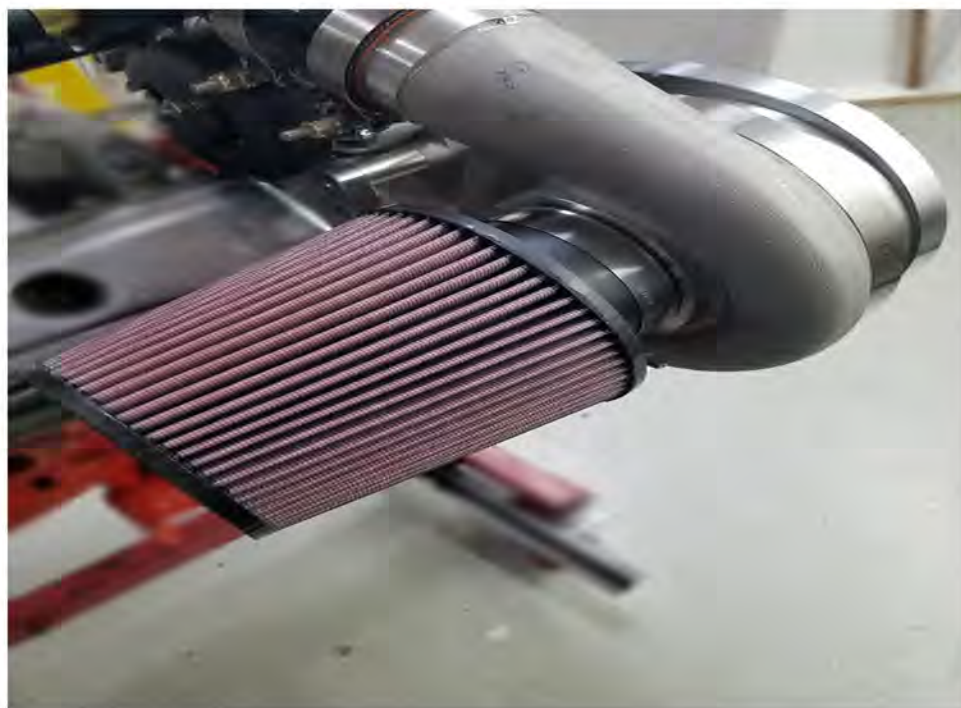
Install carb hat and plumbing, trimming may be required.

Connect vacuum source to BOV with supplied 7/32 vacuum line.



STEP 7

Install air filter.



Installation Instructions

SBC SINGLE SUPERCHARGER KIT

ARP-K-GM-SBC-PS



- 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.*

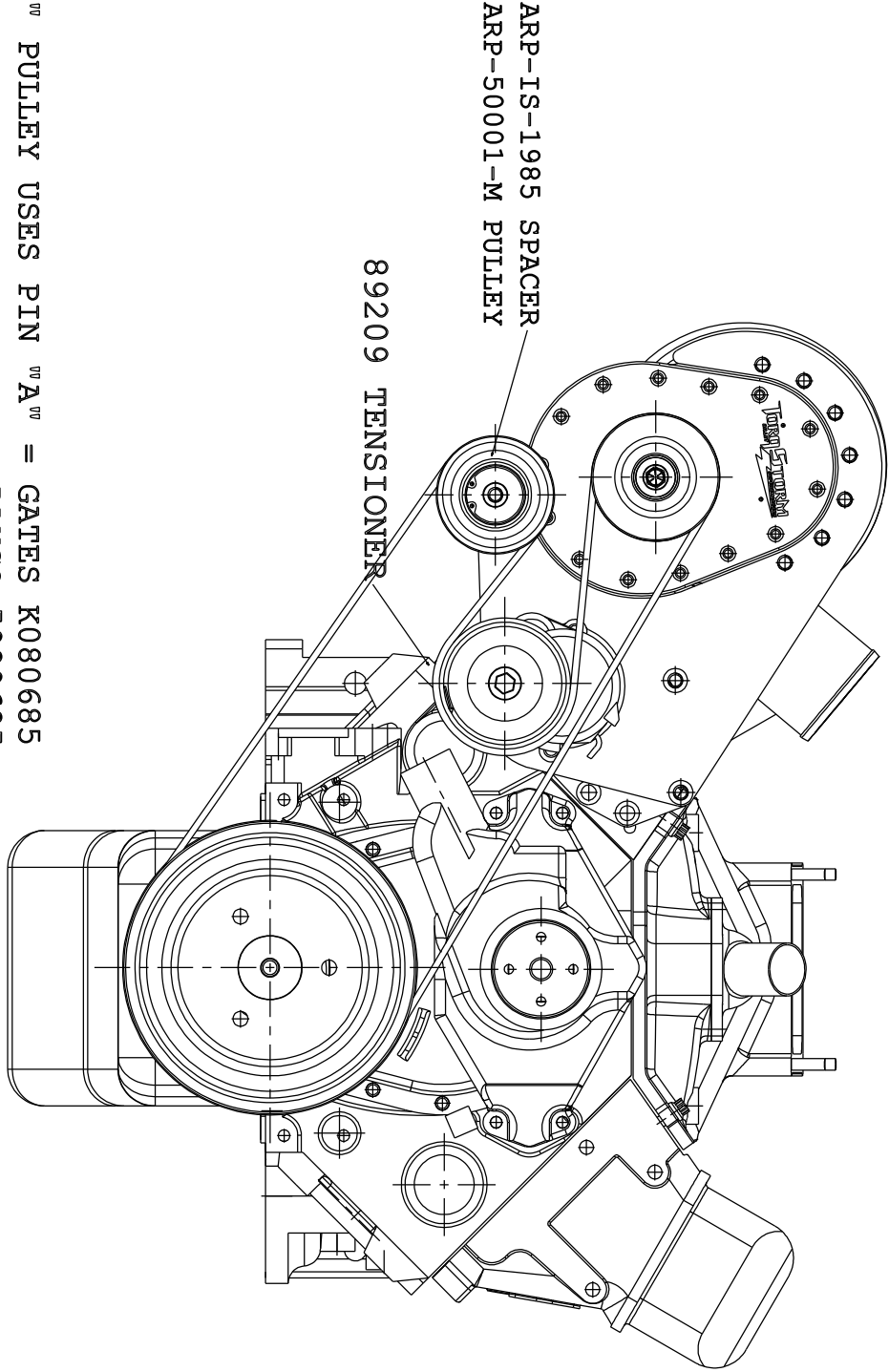
Order oil direct from TorqStorm. Part number ARP-OIL-MTL

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*

BELT ROUTING

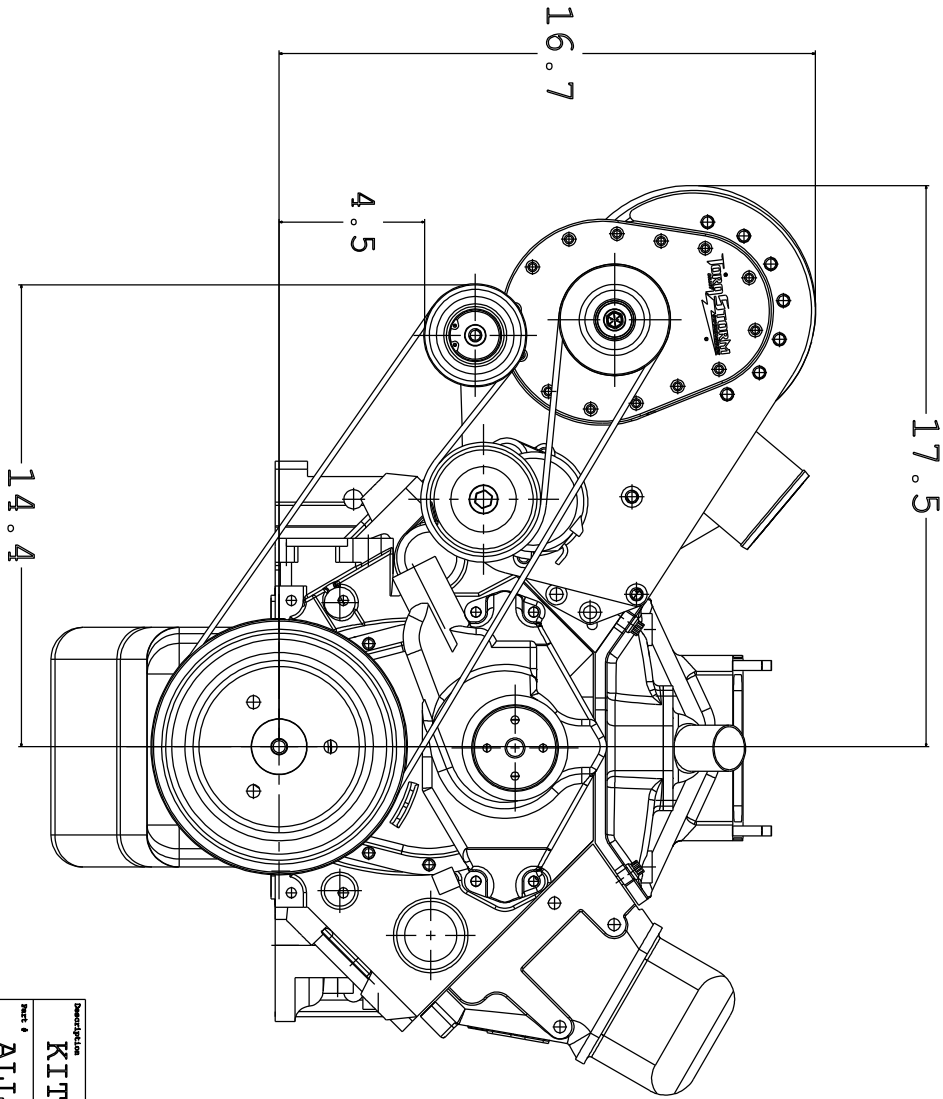


3.100 ⁰⁰	PULLEY USES PIN ⁰⁰ A ⁰⁰	= GATES K080685
		DAYCO 5080685
3-1/4 ⁰⁰	PULLEY USES PIN ⁰⁰ B ⁰⁰	= GATES K080685
		DAYCO 5080685
3-1/2 ⁰⁰	PULLEY USES PIN ⁰⁰ B ⁰⁰	= GATES K080685
		DAYCO 5080685
4.000 ⁰⁰	PULLEY USES PIN ⁰⁰ C ⁰⁰	= GATES K080690
		DAYCO 5080690

DESCRIPTION
Part 9
BELT ROUTING
ALL PASSENGER SIDE KITS

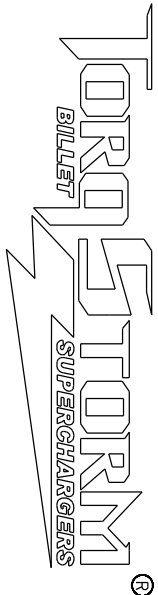
The logo for Toro Superchargers Billet, featuring the word 'TORO' in a large, stylized font, with 'BILLET' in a smaller font below it, and 'SUPERCHARGERS' in a script font to the right. A registered trademark symbol (®) is at the bottom right.

DIMENSIONS



Description
KIT DIMENSIONS

Part #
ALL PASSENGER SIDE KITS

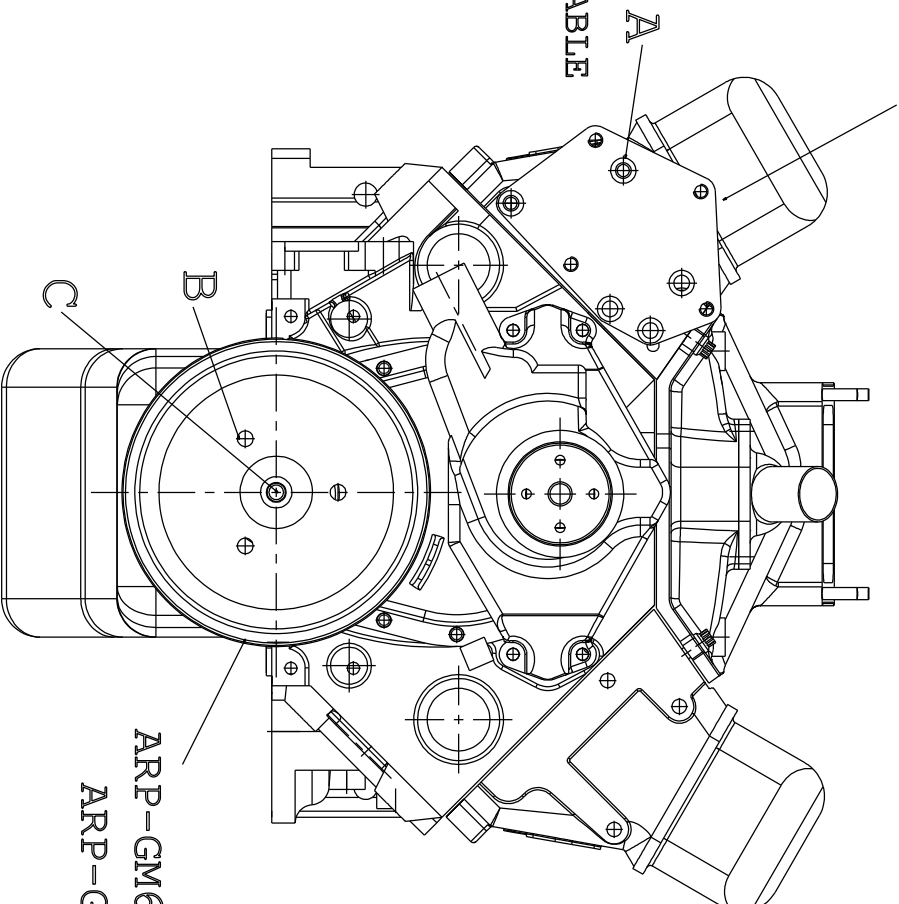


HEAD BRACKET LAYOUT

BOLT LOCATIONS FOR
AFTER MARKET HEADS
DART, AFR, & TRICK FLOW

HEAD BRACKET
ARP-GM10019

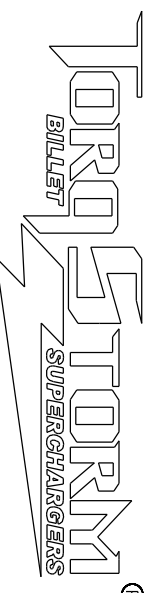
WHERE APPLICABLE



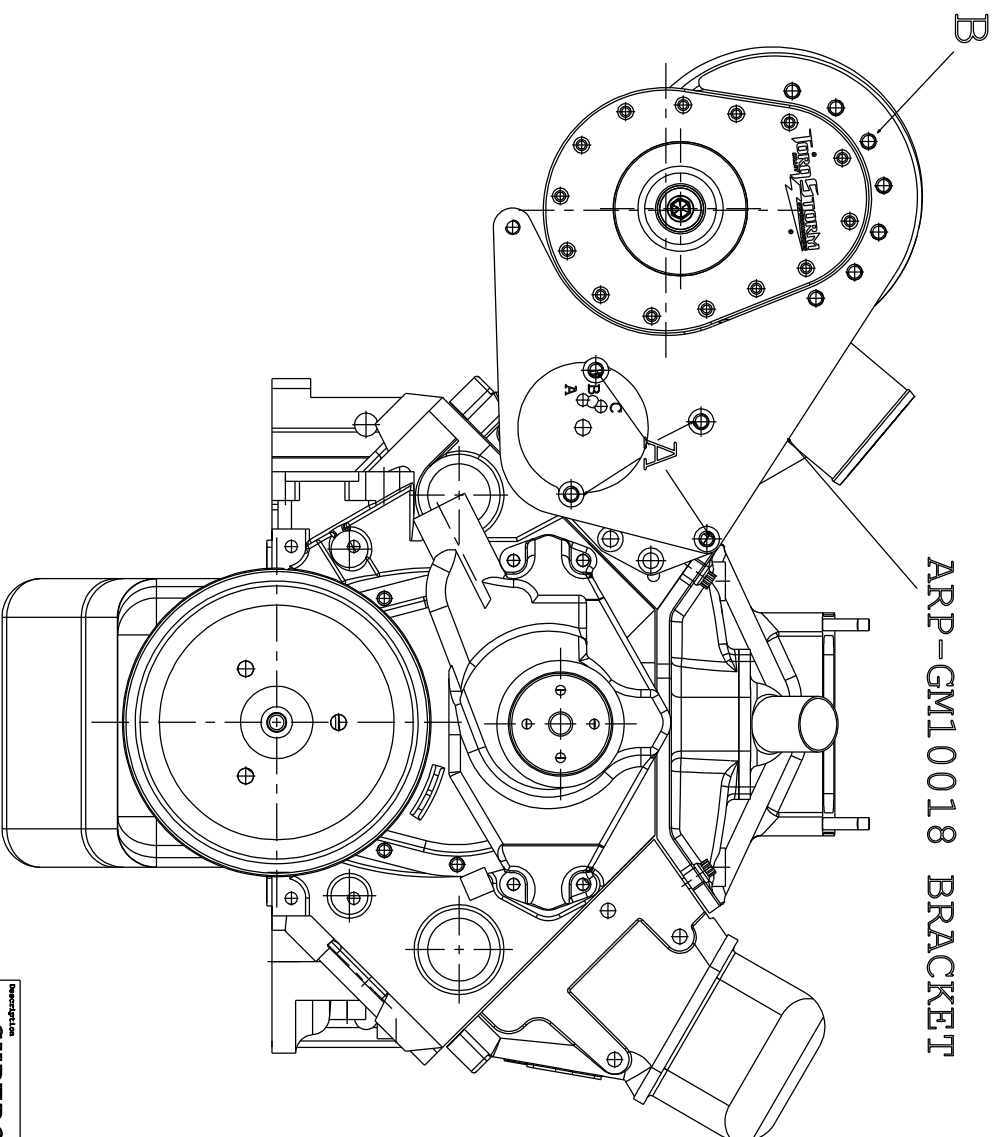
ARP-GM68045 CRANK PULLEY

ARP-GM50024 WASHER

- A = 3 @ 3/8-16 x 1.0 SS SHCS
- B = 3 @ 3/8-24 x 1.0 SS SHCS & 3/8 AN SS WASHERS
- C = 1 @ 7/16-20 x 3.0 HHB

Description
HEAD BRACKET LAYOUT
Part 1
ARP-K-GM-SBC-PS


SUPERCHARGER BRACKET LAYOUT



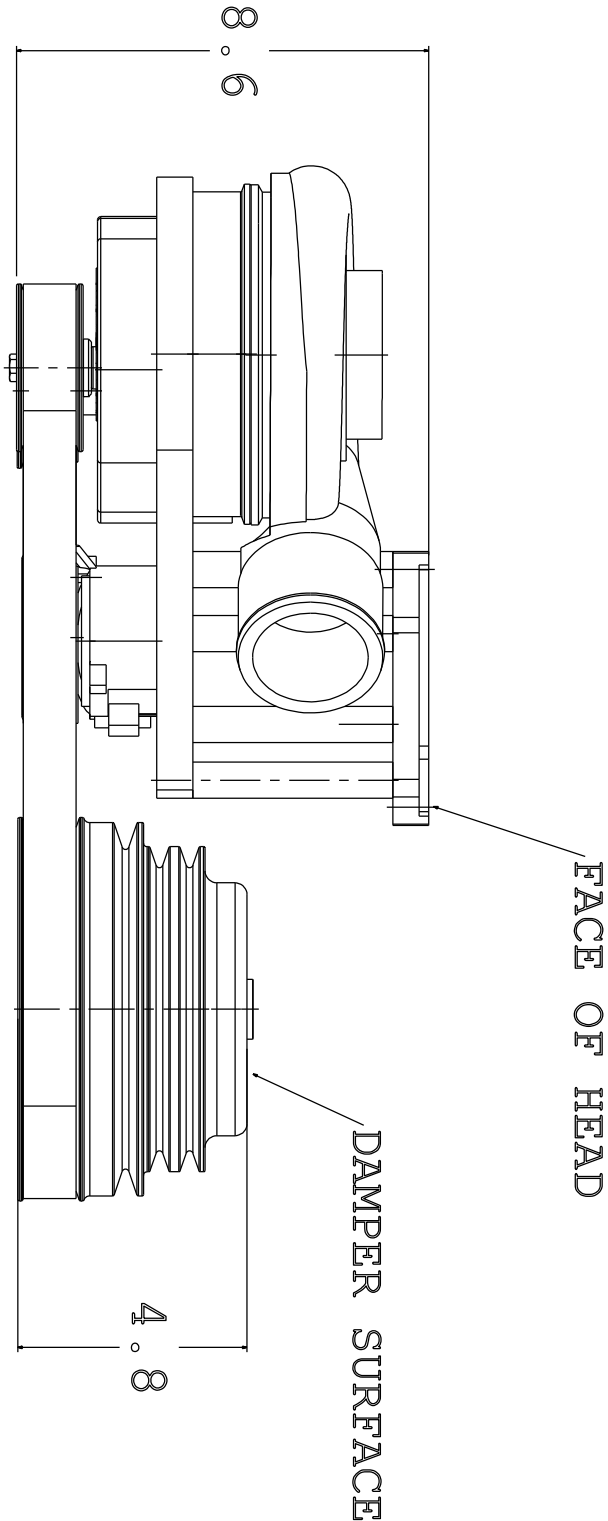
ARP-GM10018 BRACKET

- A = 4 @ ARP-S-75-4150
- A = 4 @ 3/8-16 x 5.0 SS SHCS
- B = 7 @ 3/8-16 x 1-1/4 SS SHCS

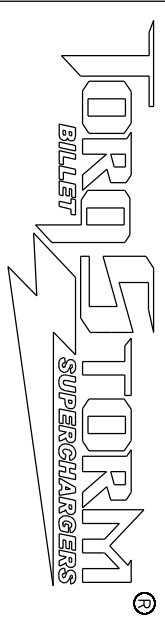
Description
SUPERCHARGER BRACKET LAYOUT

Part #
ARP-K-GM-SBC-PS

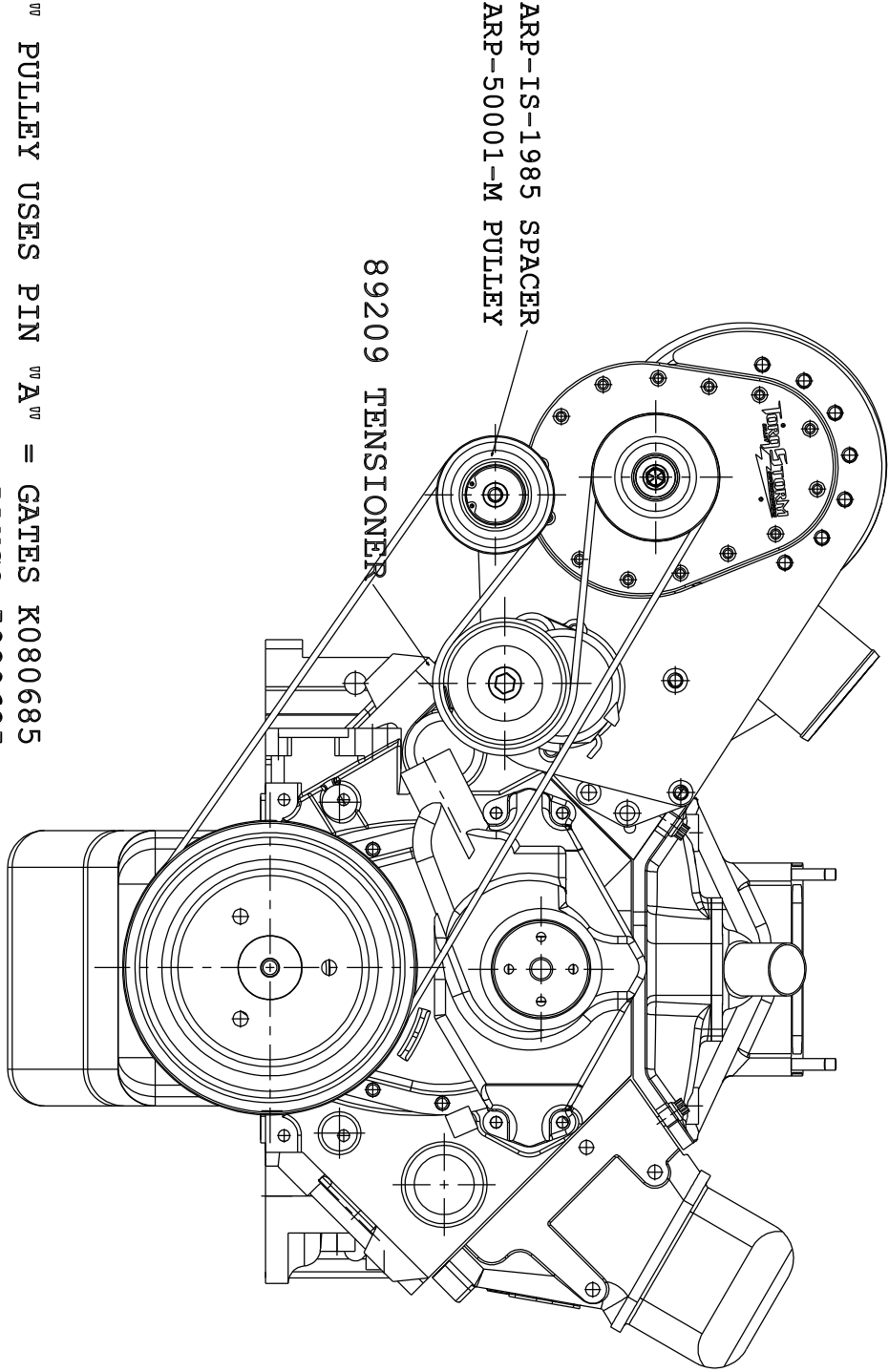
TOP VIEW



Description	
SBC LONG WP KIT DIMENSIONS	
Part #	ARP-K-GM-SBC-PS



BELT ROUTING



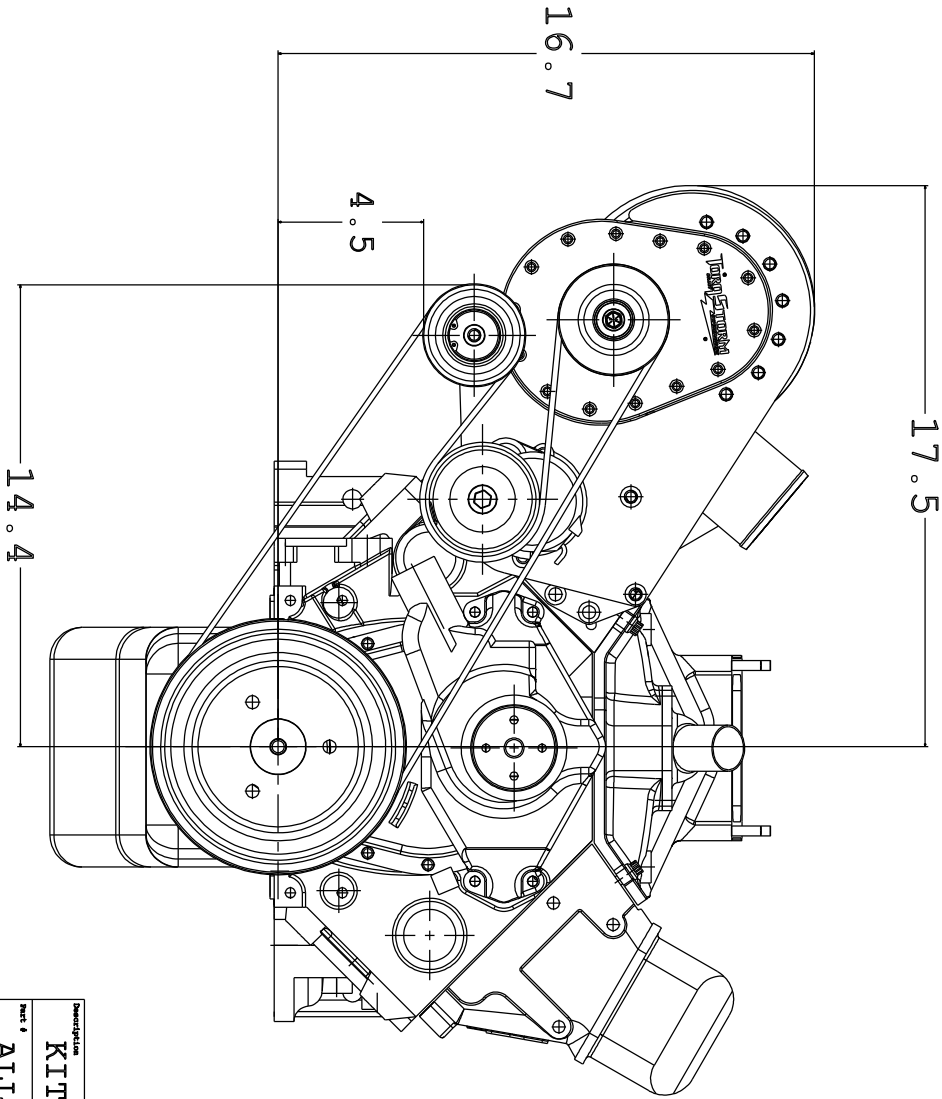
3. 100 ⁰⁰	PULLEY USES PIN ⁰⁰ A ⁰⁰	= GATES K080685
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		DAYCO 5080690

DESCRIPTION
Part 9
BELT ROUTING
ALL PASSENGER SIDE KITS



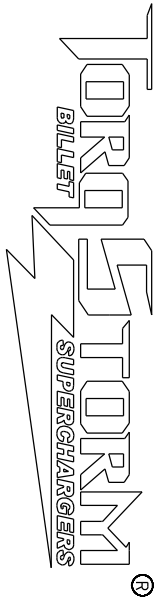
Toro
BILLET
SUPERCHARGERS

DIMENSIONS



Description
KIT DIMENSIONS

Part #
ALL PASSENGER SIDE KITS

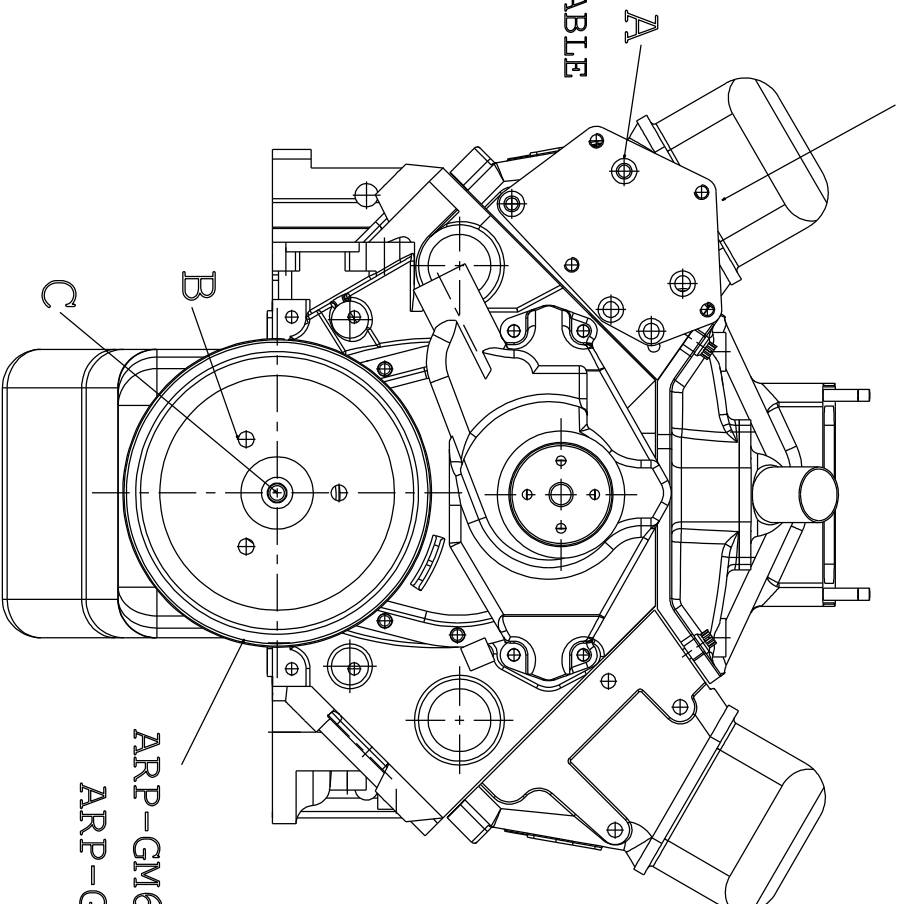


HEAD BRACKET LAYOUT

BOLT LOCATIONS FOR
AFTER MARKET HEADS
DART, AFR, & TRICK FLOW

HEAD BRACKET
ARP-GM10019

WHERE APPLICABLE



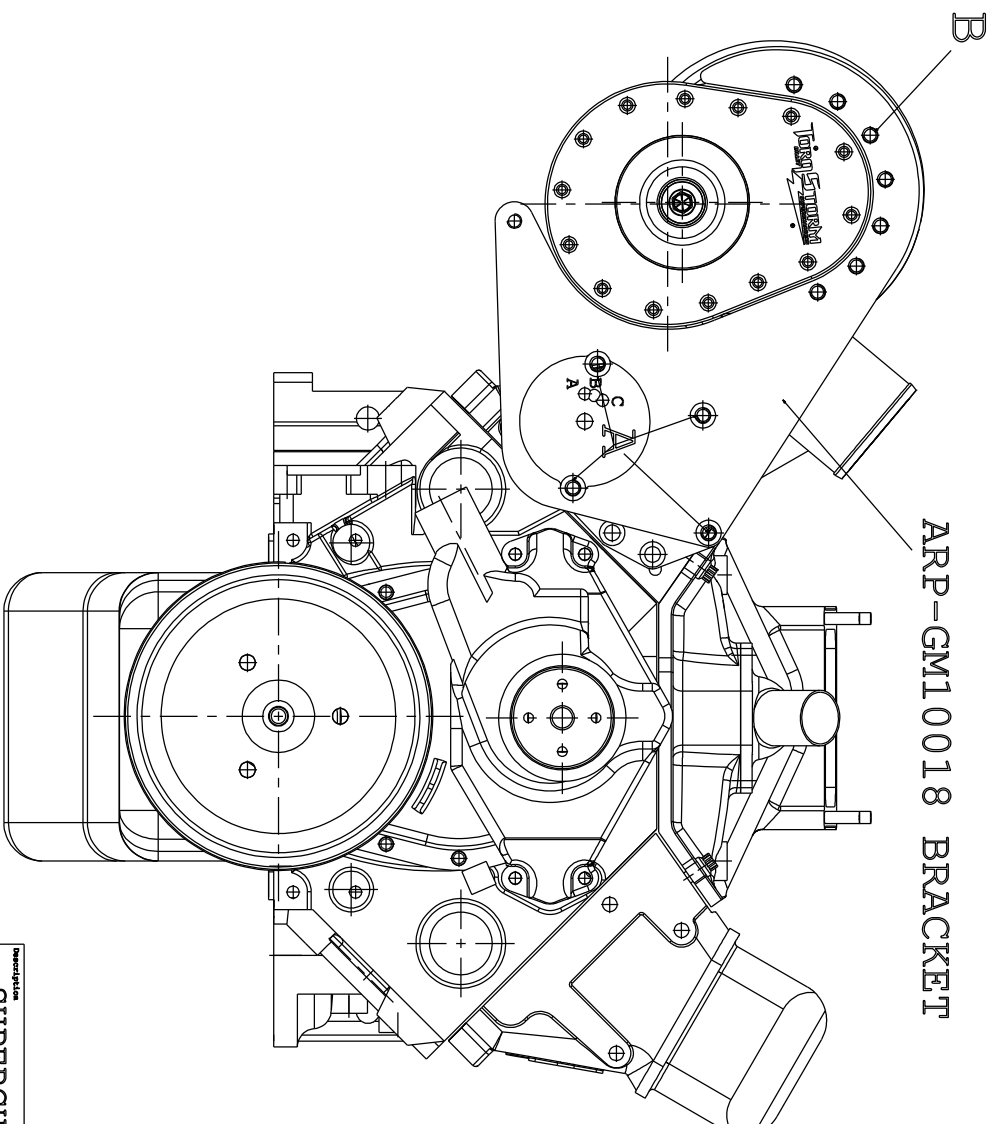
ARP-GM68064 CRANK PULLEY

ARP-GM50024 WASHER

- A = 3 @ 3/8-16 x 1.0 SS SHCS
- B = 3 @ 3/8-24 x 1.0 SS SHCS & 3/8 AN SS WASHERS
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DESCRIPTION HEAD BRACKET LAYOUT PAGE 1 ARP-K-GM-SBC-PS-SWP	TORO STORM BILLET SUPERCHARGERS
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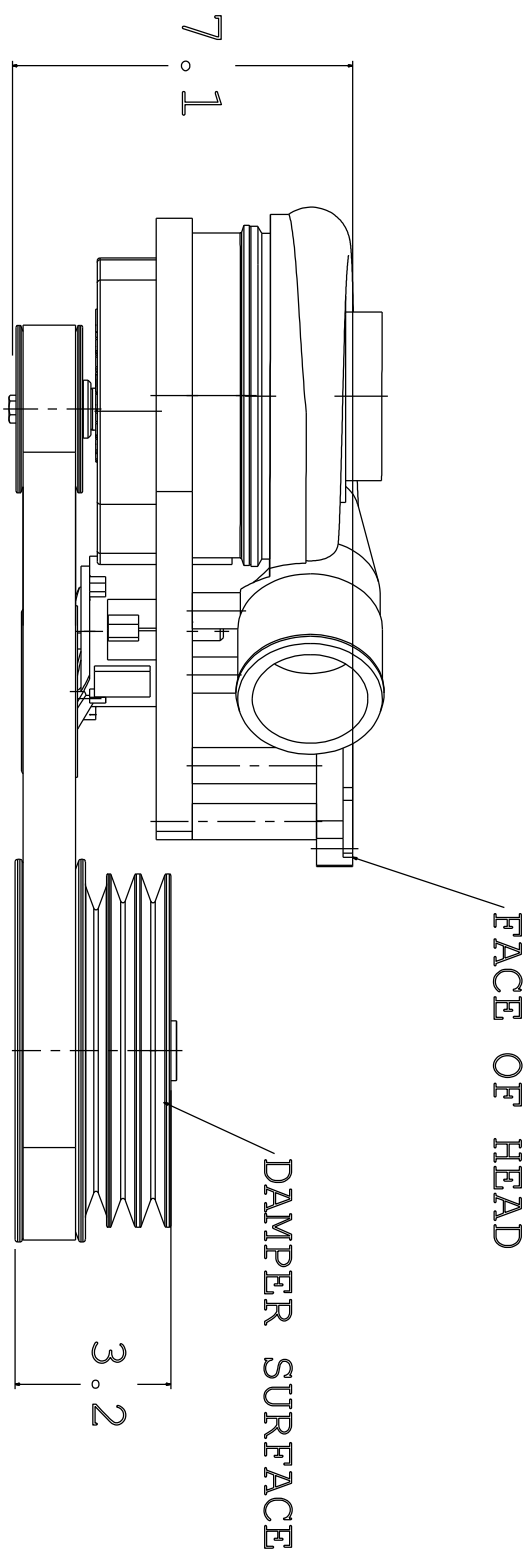
SUPERCHARGER BRACKET LAYOUT



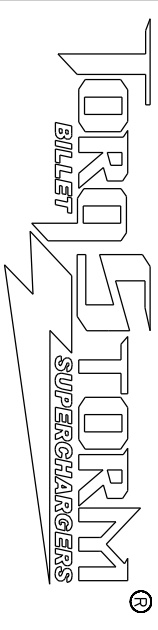
- A = 4 @ ARP-S-75-2575 SPACER
- A = 4 @ 3/8-16 x 3-1/2 SS SHCS
- B = 7 @ 3/8-16 x 1-1/4 SS SHCS & WASHERS

Description SUPERCHARGER BRACKET LAYOUT
Part 1 ARP-K-GM-SBC-PS-SWP
TORO STORM BILLET SUPERCHARGERS

TOP VIEW



Description	
SBC LONG WP KIT DIMENSIONS	
Part 1	ARP-K-GM-SBC-PS-SWP



**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.