

TORQ STORM[®]

BILLET SUPERCHARGERS



2013-2015 Chevrolet Camaro SS
ARP-K-GM-LS1012

Installation Instructions

2013-15 Camaro SS
ARP-K-GM-LS1012



STEP 1

Disconnect battery.

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



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STEP 2

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 3

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 4

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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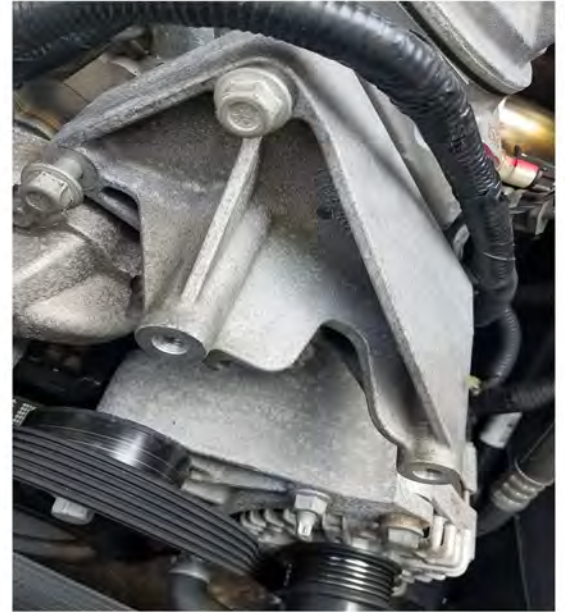
STEP 5

Remove factory belt idler bracket and idlers. (Idlers will be re-used)

*Install head plate ARP-GM10073 with
(2) M10 x 1.5 x 25mm.*

*Do not torque down
yet.*

*Be sure to route the
wires carefully behind
the plate.*



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



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.

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

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

Short pins are for the ATI pulley option.

STEP 14

Apply red loctite and install supplied bolt

Tighten to factory torque specs

GM 219 ft. lbs

STEP 15

*Install supercharger crank pulley using (4) 5/16-24
bolts and washers.*

Torque to 17 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



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STEP 18

Install supercharger bracket ARP-GM10003 with (2) M10 X 1.5 X 100 MM bolts and (2) 2.7" spacers. (these connect the two brackets together). Left holes on bracket

Then (2) M10 X 1.5 X 110 MM bolts and (2) 2.7" spacers. (these go through the head plate and into the head). Right holes on bracket.

Torque to 27 ft lbs.

Torque head plate bolts now as well to 27 ft lbs.

Re-install your factory idler pulleys on the bracket with (2) 0.315 spacers and factory bolts.

Torque to 27 ft lbs



STEP 19

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



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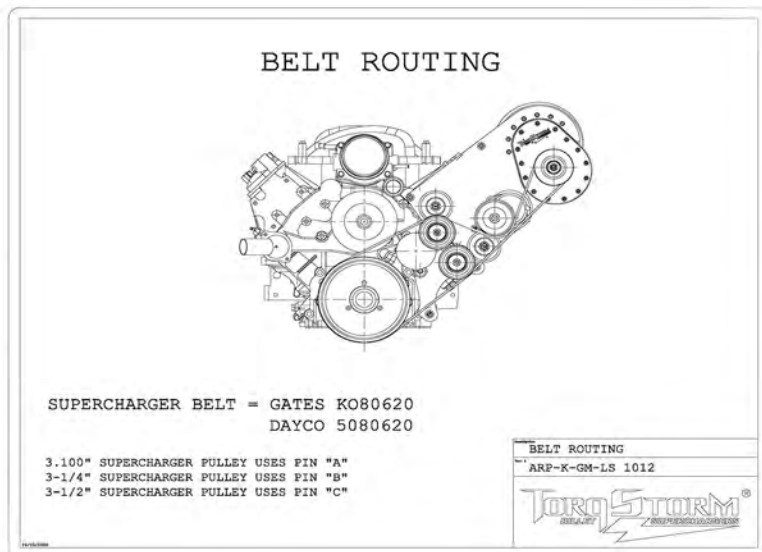


STEP 20

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.



STEP 21

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.



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STEP 22

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 23

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 24

Install ARP-RE-0950 K&N filter with a clamp on the back of supercharger.



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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.
- Change your oil in the S/C every 10k miles or once a year. Failure to run Torqstorm approved oil will void warranty. *Order direct from Torqstorm Part NO ARP-OIL-MTL*
- *Fill out warranty card and send it in 30 days from arrival of supercharger to qualify.*

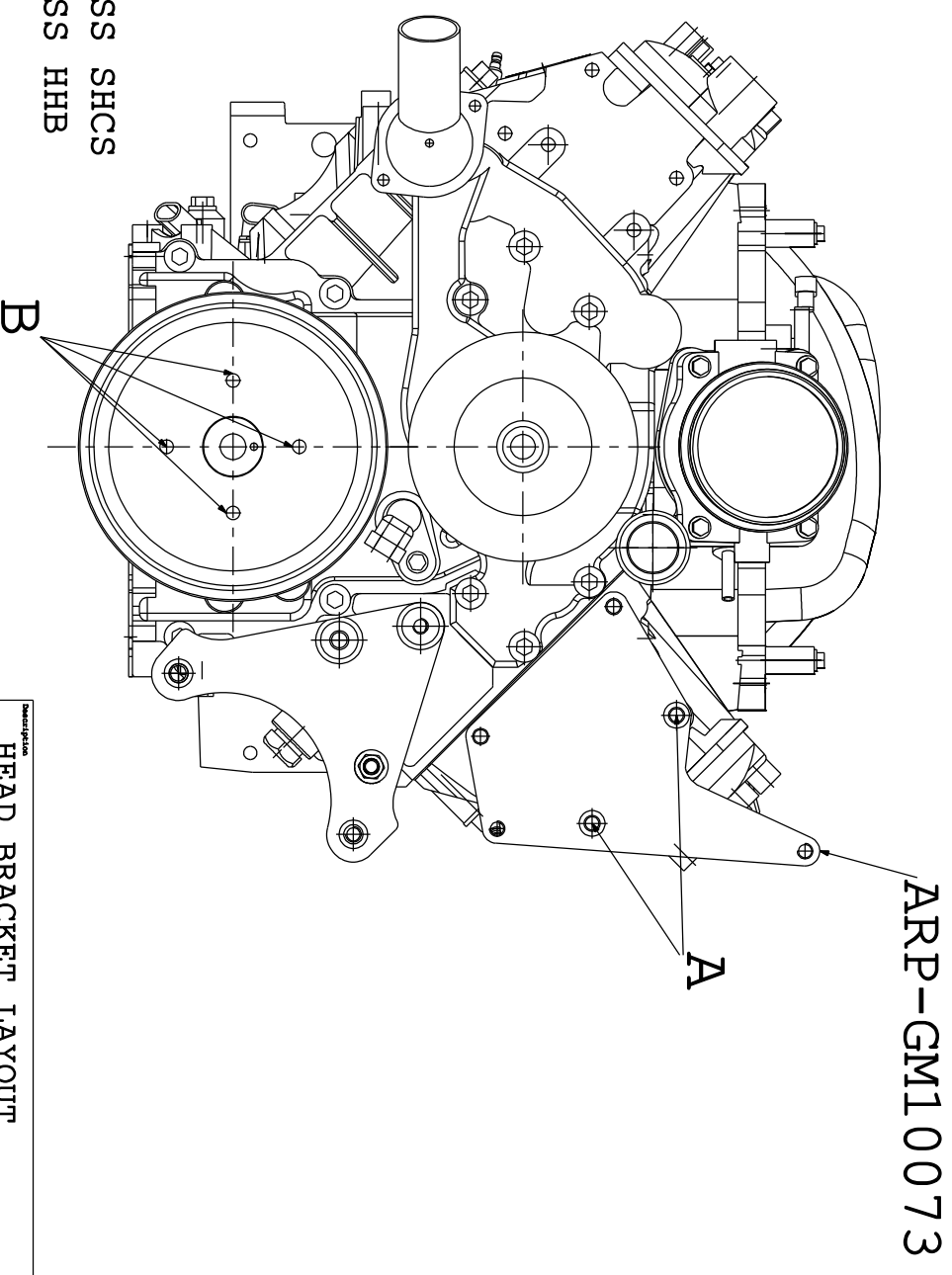
Failure to do so may affect your limited lifetime warranty.



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

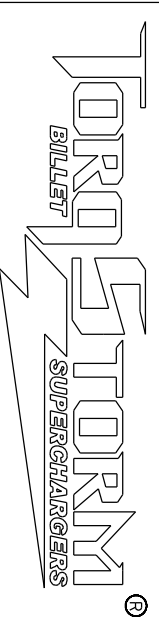


A = 2 @ M10x1.5 x 25mm SS SHCS
 B = 4 @ 5/16-24 x 3/4 SS HHB

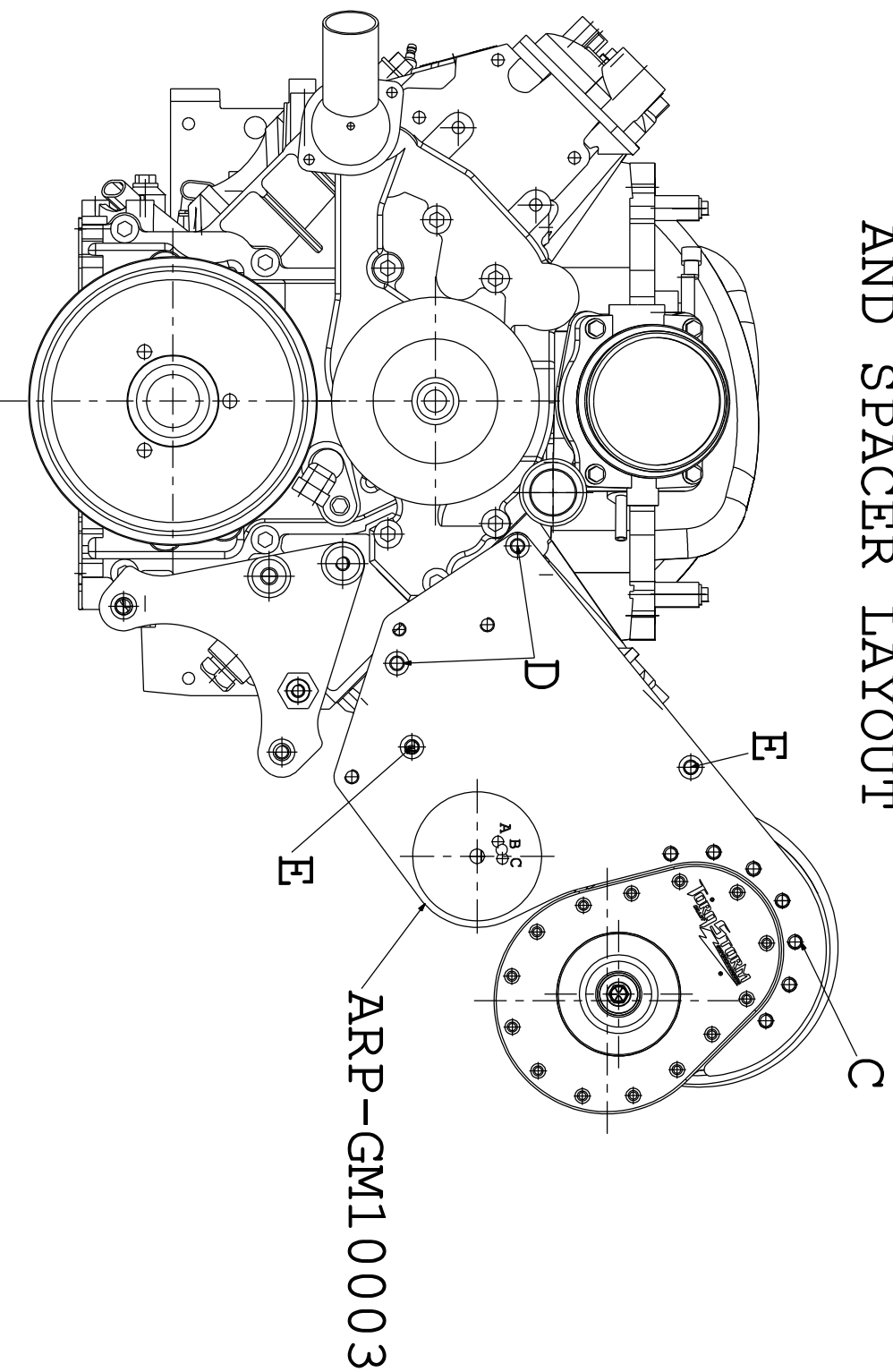
ARP-DG68023 CRANK PULLEY
 ARP-GM50014 CRANK HUB

Description
 HEAD BRACKET LAYOUT

Part #
 ARP-K-GM-LS 1012



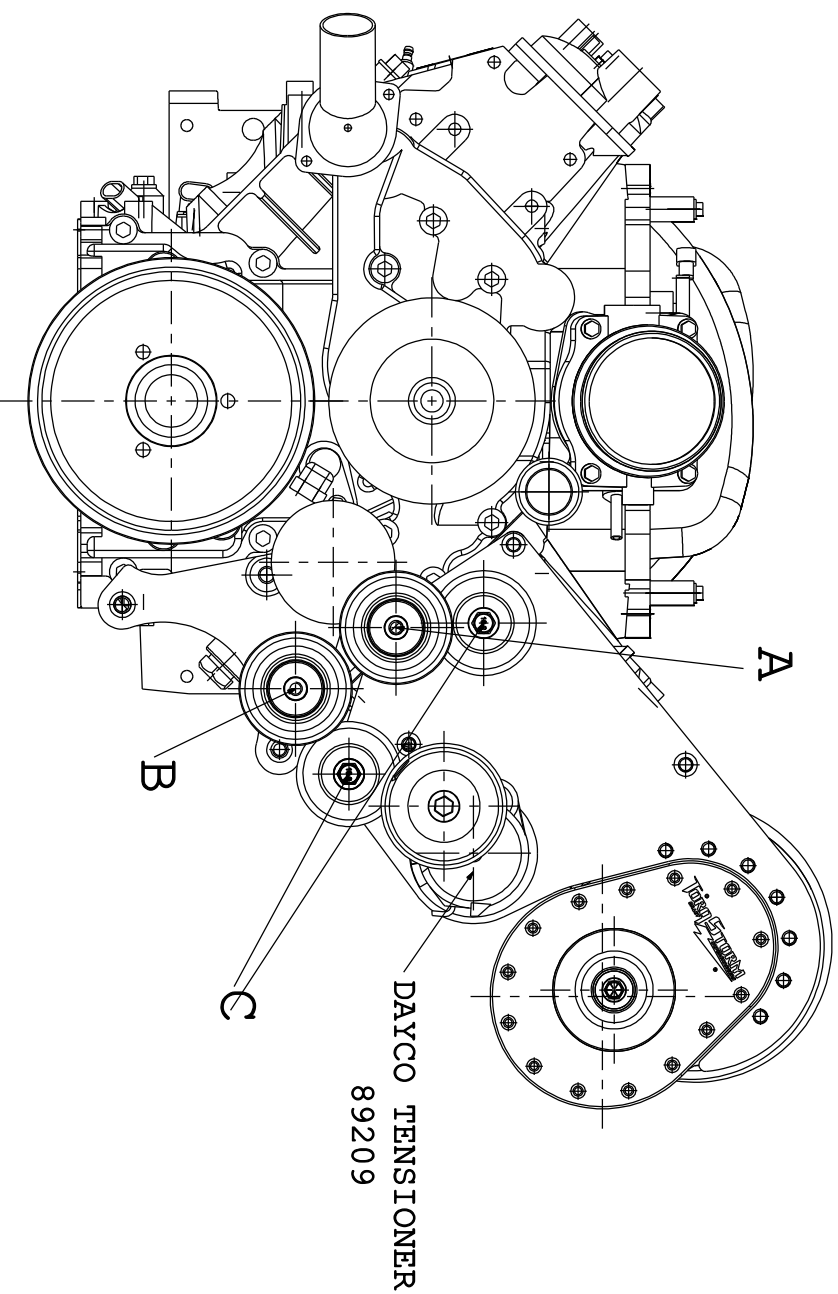
SUPERCARGER BRACKET AND SPACER LAYOUT



- 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

Description
SC BRACKET AND SPACER LAYOUT
Part #
ARP-K-GM-LS 1012

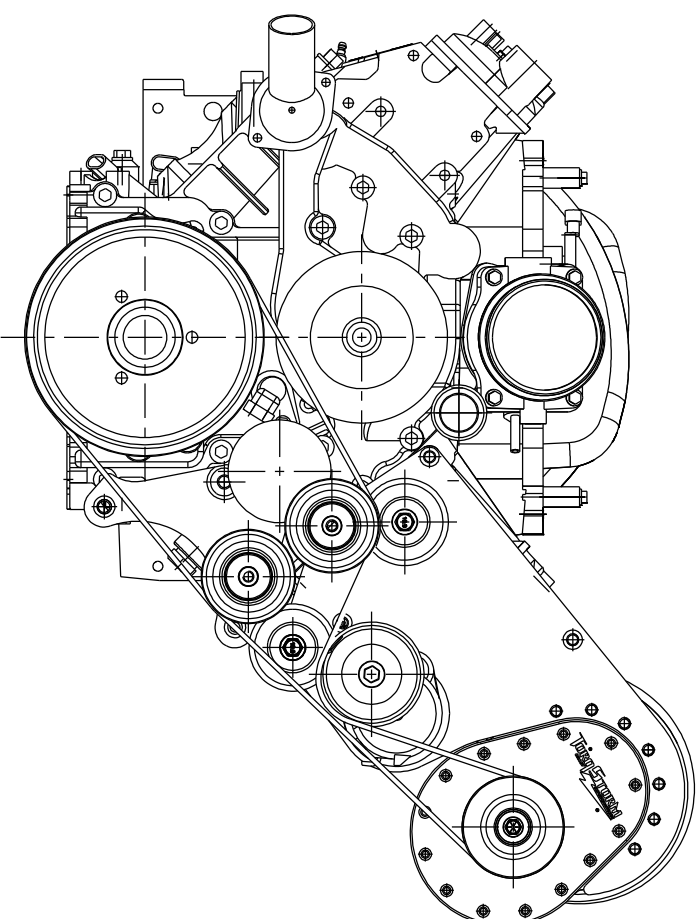
IDLERS & TENSIONER LAYOUT



- 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
- C = REUSE STOCK PULLEYS AND 2 ARP-S-10-0315 SPACERS.

Description
IDLER AND TENSIONER LAYOUT
Part # ARP-K-GM-LS 1012


BELT ROUTING



SUPERCHARGER BELT = GATES KO80620
 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"

Description	
BELT ROUTING	
Part #	ARP-K-GM-LS 1012