



***LS Custom Series Pro Track Serpentine Kit  
Kit # 20090-08 Alternator & Air Conditioning  
Kit # 20095-08 Alternator, Air Conditioning & Power  
Steering***

## PARTS LIST

### 20081-08 Alternator Bracket

1-20021A-08	.....	Main Alternator Bracket
1-P763-A	.....	Idler Pulley
1-S321	.....	3/8" x 1-3/4" Hex Bolt
3-S547	.....	M8 x 140mm SHCS
1-S551	.....	M8 x 25mm SHCS
1-S568	.....	M10 x 140mm SHCS
1-S666	.....	3/8" Washer
3-TP3-2.150	.....	Tube Spacer (Non P/S Option)
1-TP7-2.560	.....	Tube Spacer

### 20024-08 A/C Bracket

1-20024A-08	.....	Front Bracket
1-20026A-08	.....	Spacer Block
1-20027A-08	.....	Rear Support Bracket
1-S158	.....	5/16" x 2-1/2" SHCS
1-S452	.....	5/8 threaded bushing
2-S551	.....	M8-1.25 x 25mm SHCS
2-S563	.....	M10 x 70mm SHCS
1-S561	.....	M10 x 30mm SHCS
1-S616	.....	5/16" Lock nut
1-S660	.....	5/16" Washer

### 20022-08 Power Steering Bracket (kit 20095-08 only)

1-20022A-08	.....	Main Mounting Bracket
1-20019A-08	.....	Rear Support Bracket
2-S550	.....	M8-1.25 x 20mm SCHS
3-TP3-1.580	.....	Tube Spacer 1.580"
2-TP7-.900	.....	Tube Spacer .900"
1-AC3-.500	.....	Tube Spacer .500"
2-S590	.....	M10-1.5 x 45mm SCHC
1-S543	.....	M8-1.25 x 40mm Hex Bolt
1-S660	.....	5/8"x 3/4" washer

### Pulleys

1-6361A-08	.....	Crank Pulley
1-6362A-08	.....	W/P Pulley
1-650A-08	.....	P/S Pulley (20095-08 only)
1-206A-08	.....	Alternator Pulley
3-S144	.....	5/16" ID x 7/8 SHCS (20095-08)
4-S186	.....	5/16" ID x 7/8" SHCS
3-S248	.....	3/8" x 1" SHCS
1-S685	.....	11/16" Lock Washer

### Accessories

1-P116	.....	LS Water Pump
1-P344	.....	Power Steering Pump (20095-08)
1-P425	.....	Air Conditioning Compressor
1-P525	.....	Alternator
1-P755	.....	Belt Tensioner
1-419	.....	Air Conditioning Hose Fittings

### 20082-08 Tensioner Bracket

1-20028A-08	.....	Bracket
1-S324	.....	3/8" x 2-1/4" Hex Bolt
3-S545	.....	M8 x 95mm SHCS

**\*NOTE:** Inspect all items for any imperfections or shortages of items. If any of those instances do come up, please call our tech line that's listed below. If you prefer a color copy of these instructions, please refer to our website listed below and click the instructions tab on your products web page. Some pulleys might have powdercoat build up and it may be necessary to remove with light grit sandpaper. These pulleys include alternator inner hole, and any pulley with a pilot shaft or locator hole.



**Note: For better illustrations we have used non black brackets in some photos.**

### **Photo-1**

Install required hub adapter (354, 355, 358 ect.) to factory balancer. Remove stock 16mm bolt, and place adapter onto balancer. Apply loc-tite to supplied 16mm x 130mm bolt (S569) and install with new 11/16" (S686) washer and tighten down to secure hub. The recommended torque is 74 ft lbs.

\*NOTE: Hub adapters must be purchased separately based off your engines factory balancer. Bolt and washer are included in hub adapter, NOT in the serpentine kit.



### **Photo-2**

Install the P116 water pump and gasket on the passenger side first, using the tensioner bracket 20028A-08 and securing with three (S545)M8 x 95mm SHCS as shown. Leave slightly loose until driver side is secured.



### **Photo-3 Non power steering**

For the non power steering kits start by inserting gasket between water pump and block and installing alternator bracket 20021A-08 with three (TP3-2.150) spacers between water pump and bracket. Secure with three (S547)M8 x 140mm SHCS. Leave slightly loose for now and **move on to photo 7.**

### **Photo 3 With power steering**

Start by inserting gasket between water pump and block and installing alternator bracket 20021A-08 and stacking bracket 20022A-08 behind the alternator bracket. Use three (TP3-1.580) spacer tubes between the power steering bracket and the water pump. Secure with three M8 x 140mm SHCS (S547). Leave slightly loose for now.





Photo 4

**Photo 4**

Install a AC3-.500 spacer in between 20019A-08 rear support bracket and backside of power steering pump with a (S543) M8-1.25 x 40mm hex head bolt and (S660) 5/16 washer. Leave bolt loose enough so bracket can pivot.

**Photo 5**

Mount the power steering pump (P344) to the power steering bracket. Use two M8 x 20mm SHCS (S550).

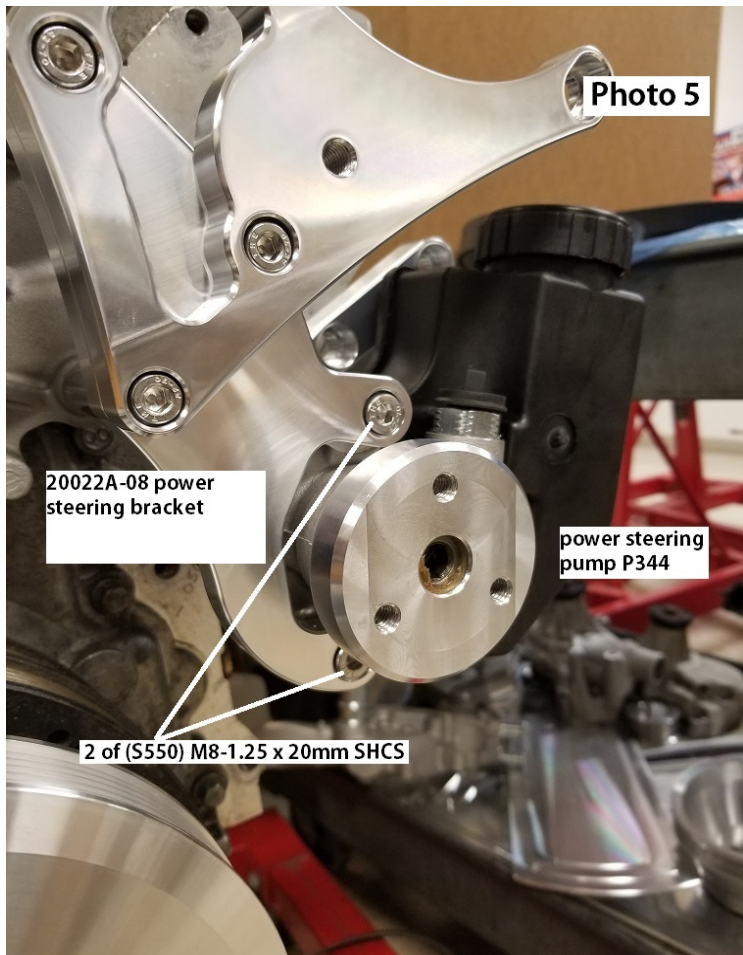


Photo 5

**Photo 6**

Install rear support bracket (20019A-08) to cylinder head with two (S590) M10-1.5 x 45MM SHCS and two TP7-.900 tube spacers in between bracket and cylinder head .

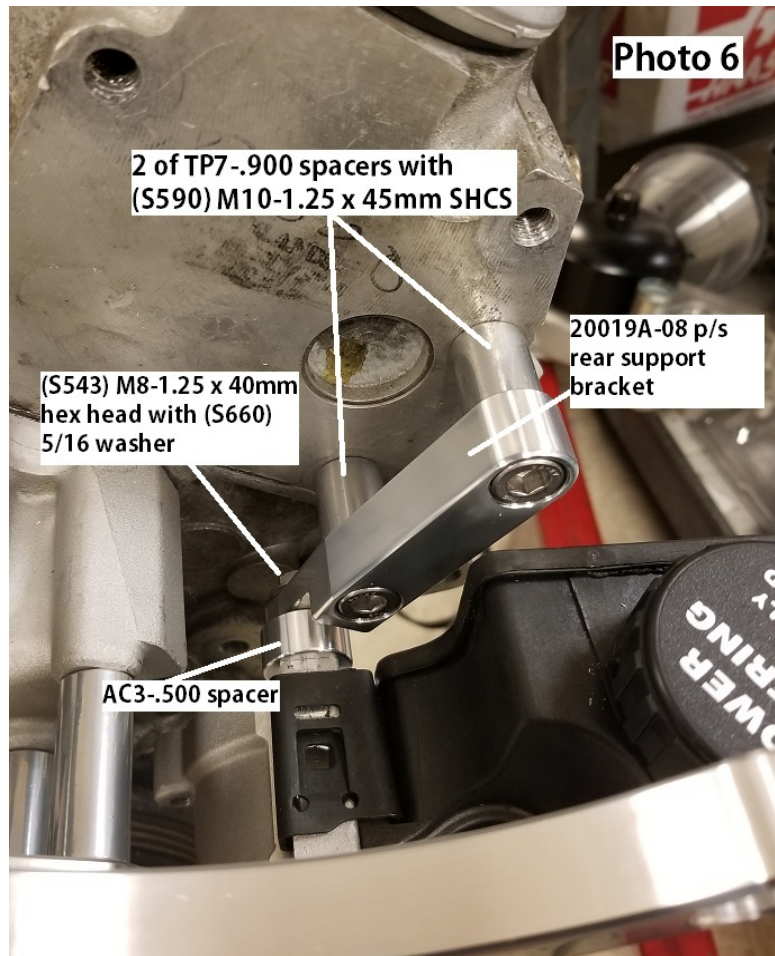


Photo 6

### Photo-7

To mount the alternator (P525) to the main bracket, In the upper bracket hole use a (S551) M8 x 25mm SHCS. In the outer bolt hole use the provided (S568) M10 x 140mm long SHCS. Between the head and the rear of the alternator use the (TP7-2.560) tube spacer. Slide the bolt through the main bracket, alternator and spacer tube then thread into the outer tapped hole of the head. Next install the P763 idler pulley to the alternator bracket using the provided (S321) 3/8 x 1-3/4" hex bolt and also a 3/8" washer (S666). Next install the alternator pulley 206A-08. Use the (S685) lock washer then alternator nut and use impact or torque to 70 ft lbs. Now tighten all the mounting bolts that secure water pump to the block from steps photo 2 & 3. Also secure the (S543) hex bolt from photo 4



### Photo-8

Install the crank pulley 6361A-08 onto the hub with three (S248) 3/8" x 1" SHCS.



### Photo-9

Mount the belt tensioner (P755) to the idler bracket 20028A-08 by first Aligning the pin with the hole in the bracket and then securing with a (S324) 3/8" x 2-1/4" Hex Bolt.

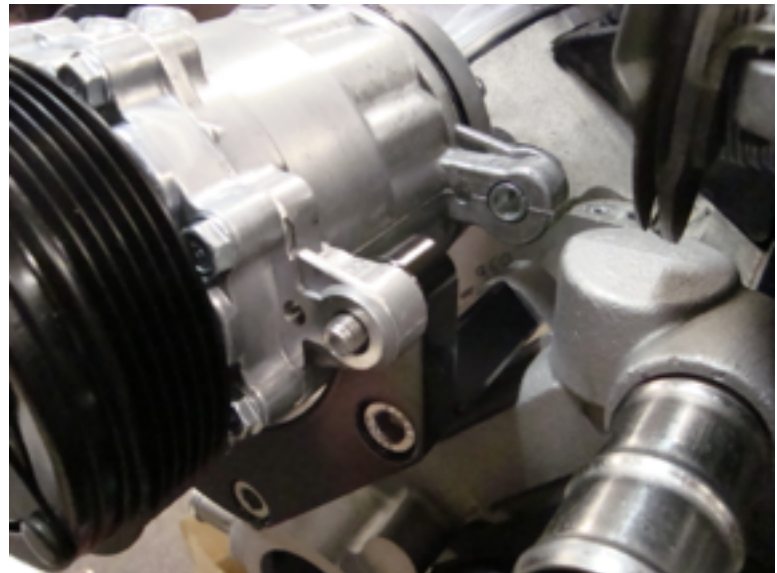


### Photo-10

Mount the front air conditioning bracket 20024A-08 to the backside of the air conditioning unit P425 front mounting ears. Make sure the counterbore holes are facing up in bracket. Secure with two (S551) M8-1.25 x 25mm SHCS through backside of bracket into compressor.

### Photo-11

Mount the air conditioning bracket 20024A-08 with the attached compressor P425 to the two passenger side water pump ears by using spacer bracket 20026A-08 in between the water pump ears and the front bracket and then secure with two (S563) M10 x 70mm SHCS.





**Photo-12**

To install the rear air conditioning support 20027A-08, first install the (S452) 5/8" threaded bushing as shown and the (S561) M10 x 30mm SHCS into the counterbore slot. Use the 5/8 bushing to adjust any gap in between the rear air conditioning ear and cylinder head.

**Photo-13**

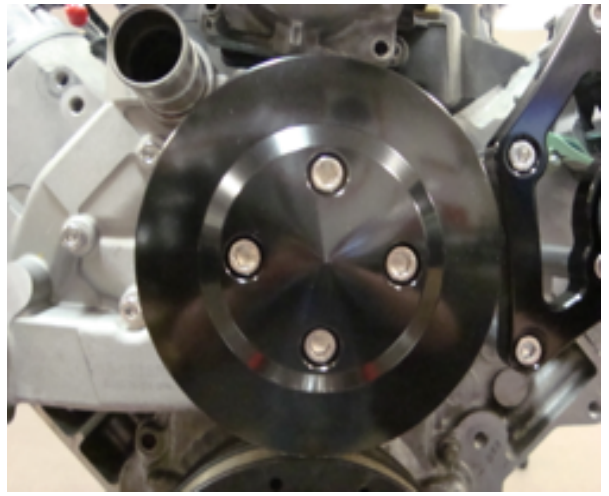
Mount the rear support bracket 20027A-08 to the outer head bolt on the passenger side with the (S561) M10 x 30 mm SHCS. Then install the (S158) 5/16" x 2-1/2" bolt through the rear counter sunk hole of the support bracket, through the rear compressor ear and secure with the (S616) 5/16" lock nut and (S660) 5/16 washer.



**Photo-14 skip step for 20090-08 non p/s**  
Install the power steering pulley 650A-08 using three (S144) 5/16-18 x 7/8" SHCS.  
**Note: The power steering hub is pressed on as a courtesy and is not guaranteed to be in correct alignment. You may have to adjust the hub by pulling it forward to the correct alignment. This can be achieved with a harmonic balancer puller or a 3 jaw puller with the pulley not installed. Using a straight edge off of the water pump flange is a good point to measure from when checking alignment.**

**Photo-15**

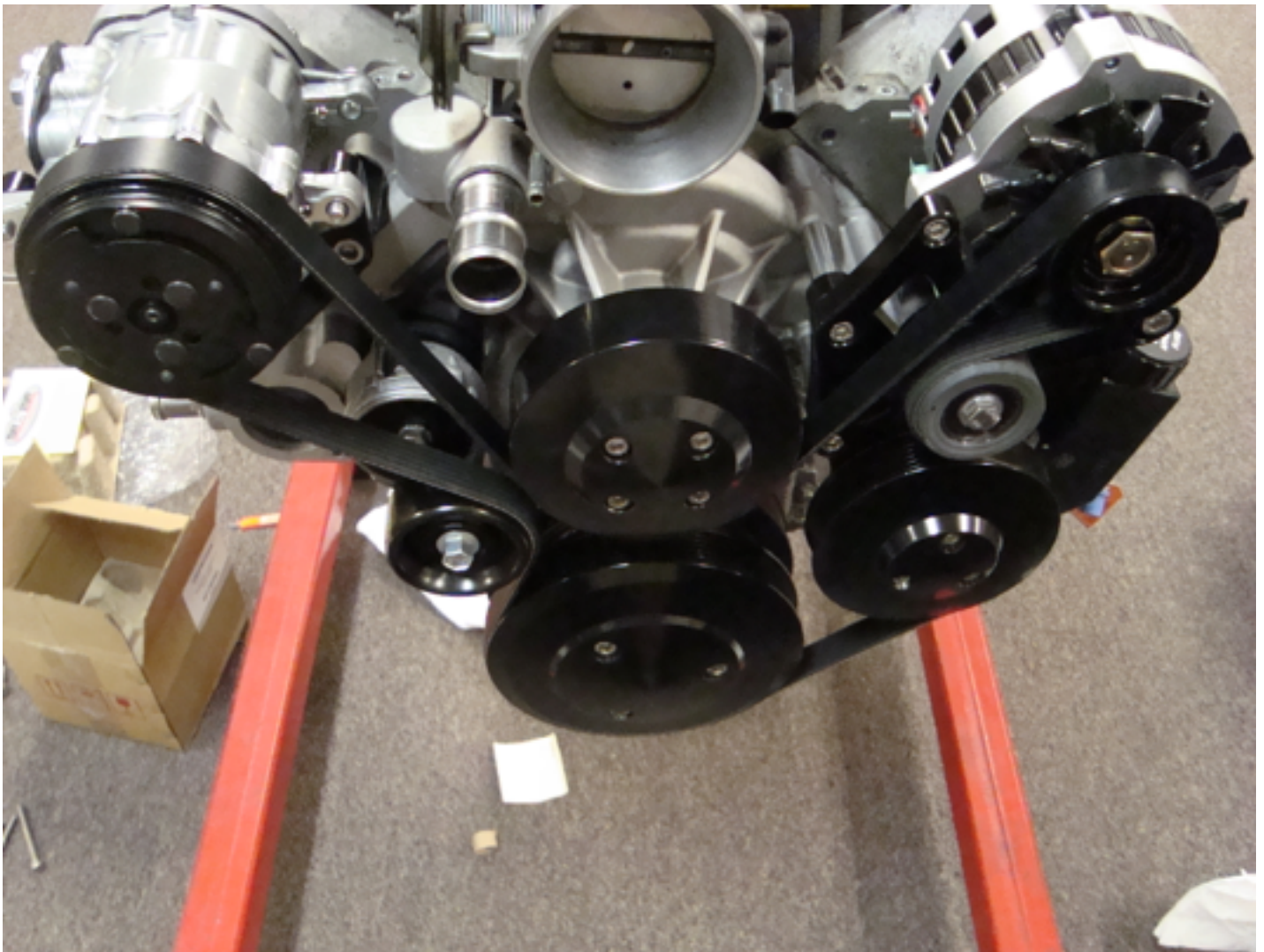
Install the water pump pulley 6362A-08 with four (S186) 5/16" x 7/8" SHCS.



**Photo-16**

Install belts, for kit **20090-08** install the 71.0" **Dayco (5060710)** belt, and for kit **20095-08** install a 75.5" **Dayco (5060755)** belt by using the tensioner's 15mm bolt, pulling up clockwise on tensioner and route belt according to picture.

**NOTE:** Due to belt variations in manufacturing it may be necessary to get belts that are either larger or smaller than we recommend. We recommend using Dayco manufactured belts





LIMITED WARRANTY

March Performance warrants to the original retail purchaser that for a period of ninety (90) days from the date of purchase, March Performance will repair or replace, at their option, any Product, which is found to be defective in material or workmanship.

Exclusions from Warranty Coverage

March Performance does not warrant any Product that is damaged from abuse, misuse or misapplication or not used for its intended purposes.

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- 1. Use and install the Product only for its intended purpose.
2. To avail yourself of this Limited Warranty, return the Product with a copy of the paid receipt, postage paid to: MARCH PERFORMANCE 16160 PERFORMANCE WAY NAPLES, FL 34110
3. When returning the Product, you must follow the directions set forth on the Warranty/Return Form on the reverse side of this Limited Warranty. If you no longer have the Warranty/Return Form, one may be obtained by contacting March Performance during normal business hours at: (888) 729-9070.
4. Shipping and/or transportation costs returning the Product to March Performance and any damage caused during shipping are your responsibility. March Performance will pay for shipping and/or transportation costs incurred in returning the Product to you.

LIMITED WARRANTY WARRANTY/RETURNS FORM

No product mounted is considered for credit unless it is a manufacturer defect.

All products returned for any reason must reference an authorization number (RGA). The RGA number is obtained by calling place of purchase during normal business hours. Any product returned without the RGA# written on the return package next to the return shipping label will be refused.

All returns must ship via UPS and be properly packaged in the original carton. Return freight charges are the responsibility of the customer unless the product was shipped in error.

March product returned after (1) year from date of purchase will not be accepted unless it is found to be a manufacturer defect. The customer must include a written statement describing the alleged product defect. The complete Limited Warranty is set forth on the reverse side.

- 100% credit issued on manufacturer defects
20% return fee on all reshelvable product
30% return fee on all repairable product

NO CREDIT WILL BE ISSUED ON RETURNED PRODUCT BEYOND REPAIR

March Performance thoroughly inspects all returns. It is the sole discretion of March Performance in determining the condition of all returned merchandise.

To receive replacements at no charge the original product must first be received and inspected by March Performance for determination. Immediate replacements may be purchased and later credited upon inspection determination.

Please Complete the Information below, detach and include with returned product.

Form fields for RGA#, CT#, Issued by, Date, Purchaser's Name, Phone, Address, Purchased Directly Through, Invoice#, Product ID, Invoice Date, Reason.

\*\* MOUNTED PRODUCTS ARE NONREFUNDABLE \*\*