

**Kit 30520 - alternator & power steering for ~
4 bolt water pump pulley**

**Kit 30525 - alternator & power steering for
3 bolt water pump pulley**

Parts list kits 30520 & 30525

30502 Power steering bracket

- 1....30502-A main power steering bracket
- 1....30502-B rear support bracket
- 1....713 adjustable idler bracket
- 2....S102 1/4-20 x .75" SHCS
- 1....747 idler pulley
 - 1..302-A idler cap
 - 3..S022 8-32 x .375" SHCS
 - 1..S666 3/8 x 3/4" washer
- 2....AC3-3.450 alum. spacer 3.450" long
- 2....TP5-.350 5/16 x .350" long spacer
- 1....S260 3/8-16 x 2.25" SHCS
- 1....S321 3/8-16 x 1.75" hex hd
- 1....S450 5/8-18 x 1.125" set screw
- 2....S547 M8-1.25 x 140mm SHCS
- 2....S553 M8-1.25 x 35mm SHCS
- 1....S554 M8-1.25 x 80mm SHCS

Alternator side pulleys & hardware

- 2....748 idler / tensioner pulley
 - 2..302-A idler pulley cover
 - 6..S022 8-32 x .375" SHCS
- 1....S563 M10-1.5 x 70mm SHCS
- 1....S666 3/8 x 3/4" washer

Accessories

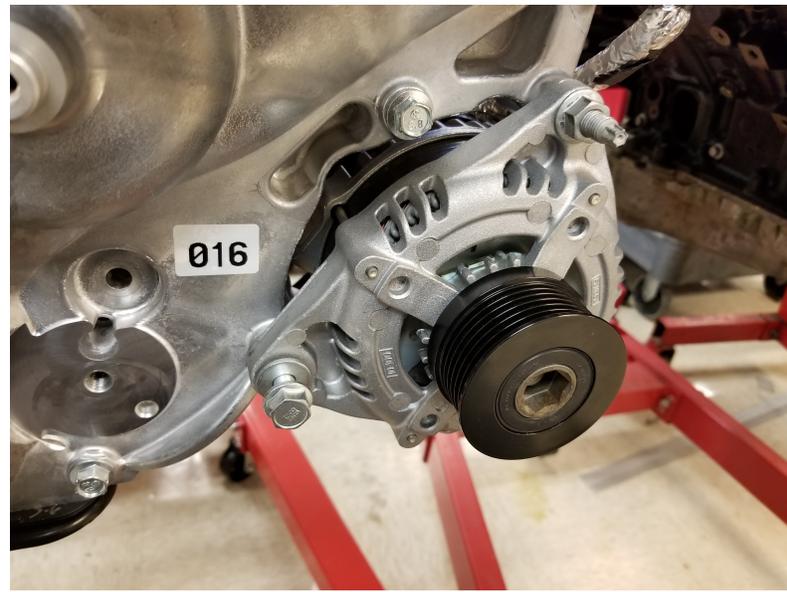
- 1....P314 power steering pump with hub
- 1....P564 alternator & tensioner kit
 - 1..alternator w/ pulley
 - 1..tensioner w/ pulley
 - 1..hardware pack
 - 1..Serpentine belt

Pulleys

- 1....3051-A w/p pulley 4 bolt (kit 30550)
- 1....3053-A w/p pulley 3 bolt (kit 30555)
- 1....412-A w/p pulley nose cover
 - 5..S022 8-32 x .375" SHCS
- 1....650-A power steering pulley
 - 3..S144 5/16-18 x .875" SHCS

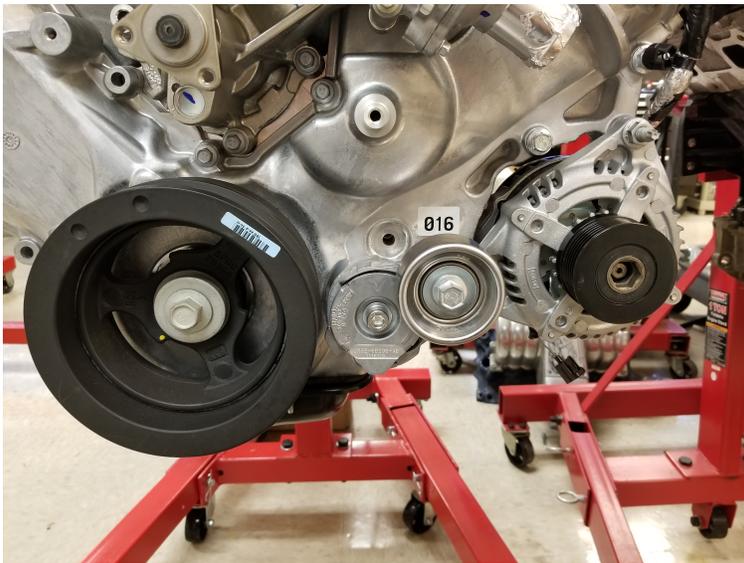
Step 1

Open box (P564). Locate the alternator, tensioner, idler, belt and hardware pack. Install alternator to lower driverside of block with provided stud and nut in upper hole and in lower hole use the 10mm x 95mm bolt with washer from hardware pack.



Step 2

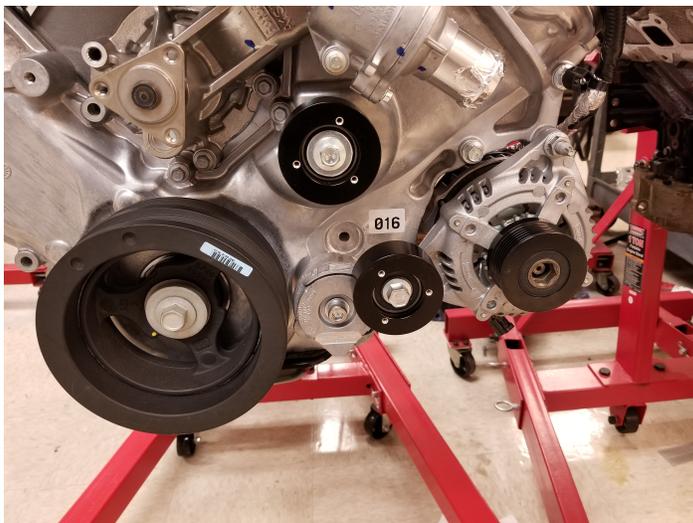
Install tensioner to block as seen in photo. Make sure to line up pin on back of tensioner to hole in block. Secure with M10-1.5 x 70mm SHCS (S563) and 3/8" x .75" washer (S666). These bolts are **not** found in the hardware pack from (P564) but are found in March Performance hardware pack.



Step 3

Remove tensioner pulley bolt. **Note this is a left hand thread bolt so you will need to rotate clockwise to loosen.** Discard pulley and washer as they will no longer be needed. Retain bolt, it will be reused to install new tensioner pulley.



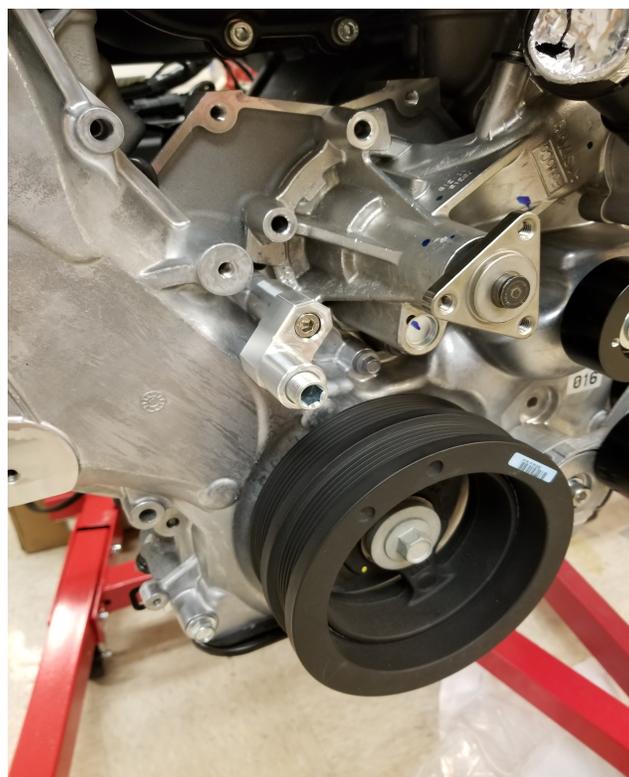


Step 4

Install idler pulley (748) to casted mount on engine with 8mm x 35mm bolt with washer provided in (P564) bolt package. Also install the second idler pulley (748) to the tensioner with the existing tensioner pulley bolt.

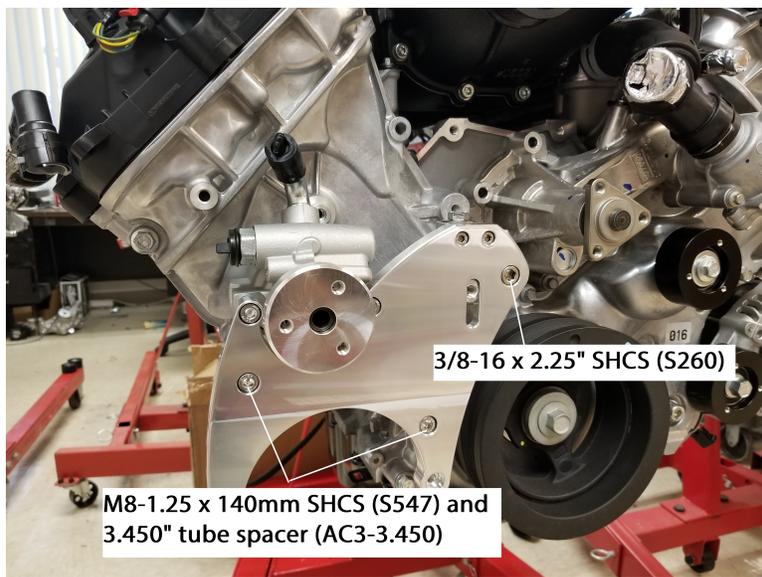
Step 5

Install rear support bracket (30502-B) to engine block with a M8-1.5 x 80mm SHCS (S554) as shown in picture and leave slightly loose. Now install 5/8-18 x 1.125" threaded insert (S450) in to 30502-B rear support bracket.



Step 6

Install power steering pump (P314) to backside of bracket (30502-A) with two M8-1.25 x 35mm SHCS (S553). In between bracket and pump use two (one per side) 3/8 x .350" long spacers (TP5-.350"). Now install adjustable idler bracket (713) into slot on backside of 30501-A bracket and secure from front with two 1/4-20 x .75" SHCS (S102).



Step 7

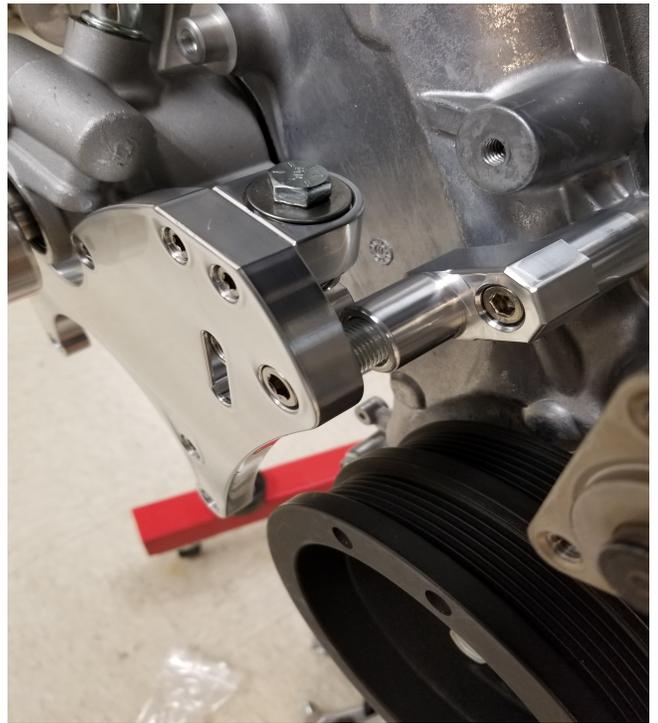
Install bracket to engine using two M8-1.25 x 140mm SHCS (S547) with two 3.450" long tube spacers (AC3-3.450) in between bracket and engine. leave slightly loose for now.

Note: If power steering barbed fitting is rotated to where it is contacting block, it is a lite press and can be rotated to a direction better fit for your application.



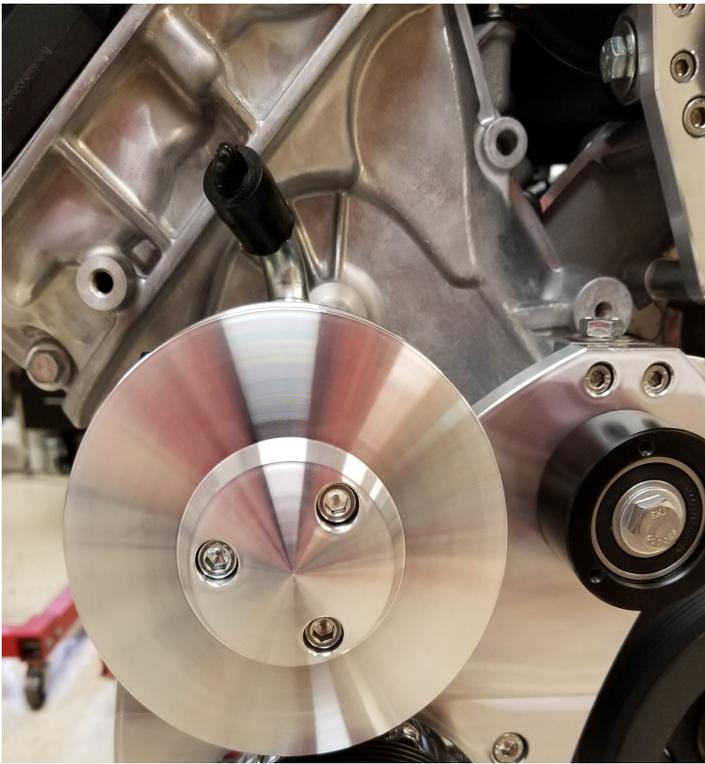
Step 8

Adjust 5/8-18 x 1.125 threaded insert from rear support bracket (30502-B) to where it just touches rear of main bracket (30502-A). Now secure with 3/8-16 x 2.25" SHCS (S260). Now tighten the two M8-1.25 x 140mm SHCS (S547) and also the M8-1.5 x 80mm SHCS (S554) from step 5.



Step 9

Install idler (747) to front side of adjustable idler bracket (713) & 30501-A with a 3/8-16 x 1.75" hex head bolt (S321) and a 3/8 x .75" washer (S666) between head of bolt and idler. Leave slightly loose for now until belt is on and tensioned.

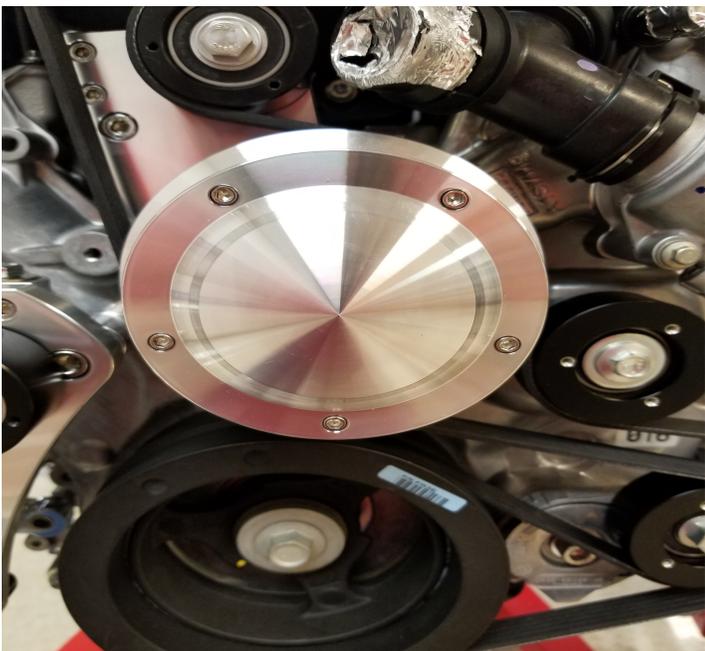
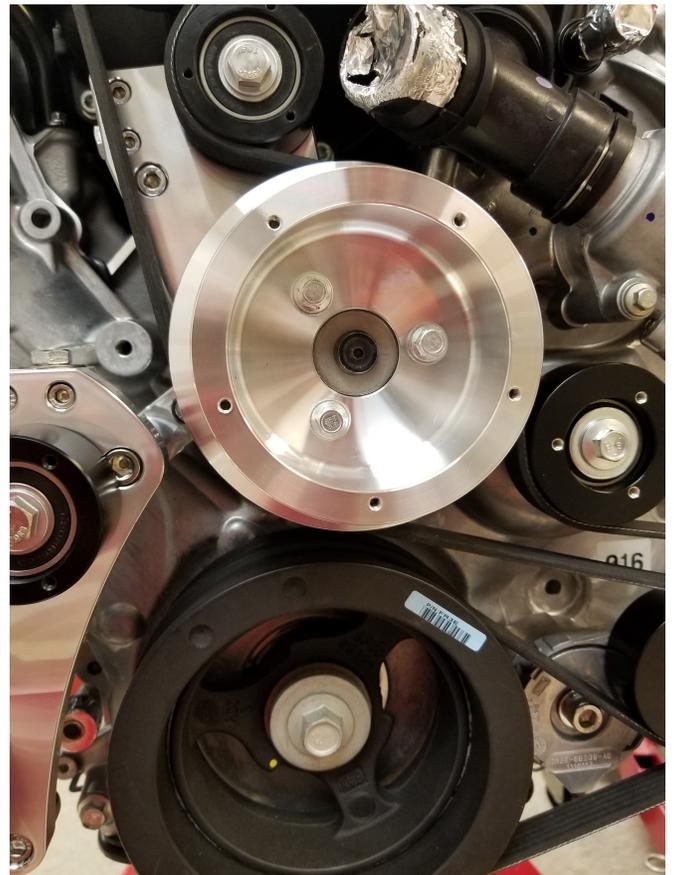


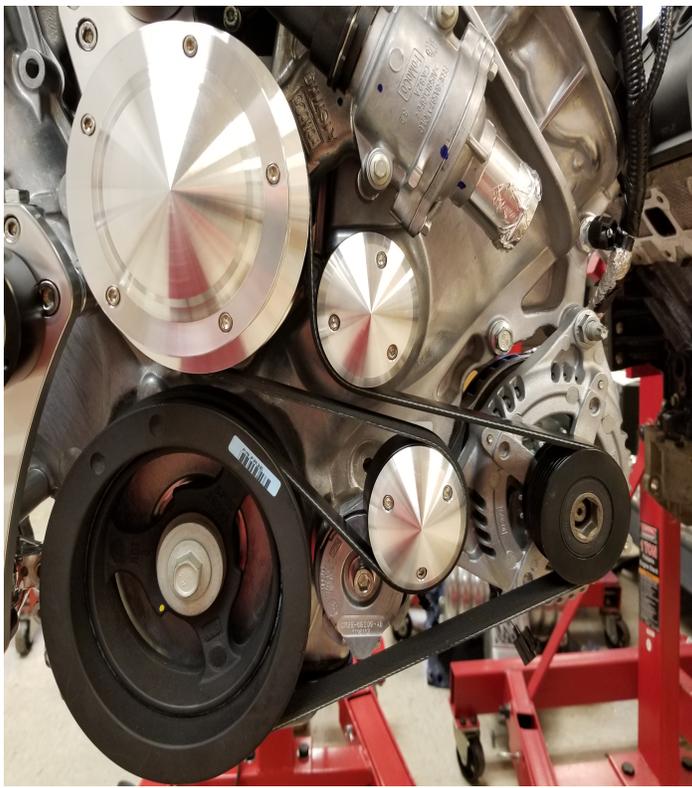
Step 12

Install power steering pulley (650-A) with three 5/16-18 x .875" SHCS (S144). **Note:** Power steering hubs are universally pressed on and may need pulled forward or pressed farther back for exact alignment. Please contact our tech department with any questions regarding adjustments (888-729-9070).

Step 13

To install the water pump pulley (3051-A) or (3053-A). Reuse the three or four (depending on water pump) factory supplied water pump pulley bolts. Once secure install water pump pulley nose cover (412-A) with five 8-32 x .375" SHCS (S022)





Step 14 Alternator side belt install
Install 67.5" 6 rib belt that was provided with (P564) kit And route as shown. use a wrench on tensioner pulley bolt and rotate counter clockwise to release tensioner and install belt. Once belt is on install tensioner pulley nose cover (302-A) with three 8-32 x .375" SHCS (S022). Now also install idler pulley nose cover (302-A) with three 8-32 x .375" SHCS (S022).

Step 15 Power steering belt install

To install the power steering belt, first make sure the adjustable idler is at the bottom of the slot adjustment. Install and route as shown, a 35.5" 6 rib belt (**Dayco belt 5060355** not provided with kit but available from auto parts store) and then use the adjustment hex bolt to move the idler up to create belt tension. Once tension is reached, tighten the (S321) 3/8-16 x 1.75" hex bolt that is retaining the idler. Now install idler nose cover (302-A) with three 8-32 x .375" SHCS (S022). **Any questions contact our tech dept. 888-729-9070**



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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.
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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.

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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
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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.

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