Mustang 5.0 Alternator Kit 30510
Mustang 5.0 Alt & P/S Kit 30520
Mustang 5.0 Alt / P/S & A/C Kit 30550
**Parts List:**

**Alternator Side Hardware**  
*(All Kits)*
- 2 - 748-A……..Idler Pulley (Larger Diameter)
- 2 - 302-A……..Idler Pulley Cover
- 1 - S563……..M10-1.5 x 70mm SHCS
- 1 - S666……..3/8” Flat Washer
- 6 - S022……..8-32 x 3/8 SHCS

**30510 Pulley Kit**
- 1 – 3052-A……..Water Pump Pulley
- 1 – 410-A……..Water Pump Cap
- 6 – S022……..8-32 x 3/8 SHCS

**AC/PS Side Hardware**  
*(30520/30550 Kits)*
- 1 - 30501-A……..AC/PS Bracket (30550 Kit)
- 1 - 30502-A……..P/S Only Bracket (30520 Kit)
- 1 - 30502-B……..Rear Support Brkt (Both Kits)
- 1 - 747-A……..Idler Pulley (Smaller Dia.)
- 1 - 302-A……..Idler Pulley Cover
- 1 - 713……..Adjustable Idler Assembly
- 3 - S022……..8-32 x 3/8 SHCS
- 2 - S102……..1/4-20 x 3/4 SHCS
- 1 - S260……..3/8-16 x 2-1/4 SHCS
- 1 - S321……..3/8-16 x 1-3/4 Hex Head
- 1 - S450……..5/8 x 1.125 Set Screw
- 2 - S547……..M8-1.25 x 140mm SHCS
- 2 - S551……..M8-1.25 x 25mm SHCS

*(30550 Kit)*
- 2 - S553……..M8-1.25 x 35mm SHCS
- 1 - S554……..M8-1.25 x 80mm SHCS
- 1 - S666……..3/8” Flat Washer
- 2 - AC3-3.450……..3.450 Aluminum Spacer
- 2 - AC5-.350……..350 Aluminum Spacer

**30520/30550 Pulley Kit**
- 1 – 3051-A……..Water Pump Pulley
- 1 – 650-A……..Power Steering Pulley
- 1 – 410-A……..Water Pump Pulley Cap
- 1 – 394-A……..A/C Clutch Cap (30550)
- 6 – S022……..8-32 x 3/8 SHCS
- 3 – S144……..1/4 x 3/4 SHCS

*(For 30550 Kits)*
- 3 – S124……..5/16 x 7/8 Button Head (or)
- 3 – S520……..M6-1.0 x 20mm Button Hd

**Accessories**
- 1 – P313……..PS with Hub
- 1 – P412……..A/C Compressor
- 1 – P417……..A/C Line Adapters
- 1 – P564……..Alternator with Tensioner

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**Belt Sizes**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Belt Sizes</th>
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<tbody>
<tr>
<td>5060405</td>
<td>P/S Only 40.5”</td>
</tr>
<tr>
<td>5060475</td>
<td>AC/PS 47.5”</td>
</tr>
<tr>
<td>6PK1696</td>
<td>Alternator 66.7”</td>
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Installation Instructions

Photo-1
Install the Stock Ford Alternator in its Stock location. Use the stock bolts from the Ford alternator. Next install the Stock Ford Belt Tensioning unit. Use the provided M10 x 1.5 x 70mm SHCS (S563) and a 3/4 O.D. Washer (S666).
Next remove the Belt Tensioner Pulley and the Idler Pulley, Remove and discard the 2” Washer from the belt tensioning idler, now replace both idlers with the two (748-A) idlers. Using the factory idler bolts.

Photo-2
Leave Tensioner Pulley Nose Cap off, but install the Idler Pulley Cover (302-A) with three 8-32 x 3/8 SHCS (S022). If running alternator only skip to Photo 11.

Photo-3
Install the Rear Adjustment support (30502-B) using a M8-1.5 x 80mm SHCS (S554), then thread in the 5/8  x 1-1/8” long Set Screw (S450). Set bracket at 45 degrees.

Photo-4
Mount the Remote P/S Pump (P313) to the back side of the Main Bracket (30501-A) for P/S & A/C. Or 30502-A for P/S only bracket. Use two M8 x 35mm SHCS (S553) to attach the pump. Also space the pump off the bracket with two .350 long Spacer Tubes (AC5-.350).
**Photo-5**
Also on the rear side of the Main Bracket mount the Belt Adjustment Bracket (713) using two 1/4-20 x 3/4” SHCS (S102). Run the screws thru the front face of the Main Bracket.

**Photo-6**
Now mount the Main Bracket to the block using two M8-1.25 x 140mm SHCS (S547) and two 3.450” Aluminum Spacer Tubes (AC3-3.450). Mount the Spacers between the block and the Main Bracket.

**Photo-7**
Now in the front of the main plate in the far right hole, use a 3/8 x 2-1/4” SHCS (S260) lining up the Rear Support (30502-B) using the 5/8 Adjustment Screw to take up any gap.

**Photo-8**
Mount the Idler (747-A) to the slot of the Main Bracket using a 3/4 O.D. Washer (S666). Mount with a 3/8 x 1-3/4” Hex Bolt (S321). Snug this idler down but do not fully tighten.
Photo-9
Mount the A/C Unit (P412) using two M8 x 25mm SHCS (S551). (FOR A/C KIT ONLY).

Photo-10
Install the P/S Pulley (650-A) using three 5/16 x 7/8 SHCS (S144), then add the A/C Cover (394-A) using three 1/4-20 x 3/4 " Button Heads (S124) or three M6-1.0 x 20mm Button Heads (S520).

Photo-11
For (Alt & P/S) & (Alt P/S & A/C) Kits: Replace the stock Water Pump Pulley with the provided Dual Serp Pulley (3051-A). For Alt Only: use the Single Serp Pulley (3052-A). Use the Stock 8mm Hex Bolts from the water pump. Then add the W/P Cap (410-A). Securing with six 8-32 x 3/8 SHCS (S022).

Photo-12
Installing the Belts (Alt. side first). Run the belt on the front grooves of the crank and the back grooves of the W/P. (Belt: Ford number-6PK1696 ) use a 15mm wrench on the belt tensioner pulling up put the belt over the Alt Pulley last.Then install the Belt Tensioning Cover (302-A) with three 8-32 x 3/8 SHCS (S022). This will finish the Alt. only installation. Kit 30510.
Photo-13 (Kits 30520-30550)

Install the A/C Belt (47-1/2”) for P/S & A/C Or (40-1/2”) for P/S only. Use the belt tightening adjuster with a 5/16 socket allen wrench to tighten the belt.

Make sure the idler bolt is loose before tightening the belt.

After tightening the belt fully tighten the idler bolt and install Idler Cover (302-A) with three 8-32 x 3/8 (S022) SHCS.

The belt routing is the same for Non A/C Kit. Run the belt from the bottom of the P/S Pulley back to the Water Pump Pulley and follow instructions above.

30550 power steering A/C kit shown

30520 Power steering kit Shown
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.

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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.
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
70% 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.

RGA#_________________________________________ CT#_________________________ Issued by:_________________________ Date_________________________

Purchaser’s Name_________________________________________ Phone_________________________

Address________________________________________________________

Purchased Directly Through____________________________________ Invoice#_________________________

Product ID_________________________________________ Invoice Date_________________________

Reason________________________________________________________

**MOUNTED PRODUCTS ARE NONREFUNDABLE**