



## *Highly Styled, Low Cost Serpentine Drive*

Installation Instructions

### *Ford Electric Water Pump Bracket Kits*

*Part# 30070 - Alternator Only*

*Part# 30075 - Alternator and Power Steering*



## Included Parts List

### Kit # 30070 Alternator Only

### Kit # 30075 Alternator & Power Steering

#### Alternator Bracket P/N 30071

- 1 30071-A ..... Alternator Bracket body
- 1 S170..... 5/16" x 4" Lg SHCS
- 1 S171..... 5/16" x 4 1/4" Lg SHCS
- 1 S178..... 5/16" x 6 1/2" Lg SHCS
- 1 S262..... 3/8" x 2 1/2" Lg SHCS
- 1 S378..... 7/16" x 6 1/2" Lg SHCS
- 1 AC3-1.250 ..... Alum Spacer 1.250" Lg
- 1 TP3-3.150..... Tube Spacer 3/8" Id 3.150" Lg
- 1 TP5-2.750..... Tube Spacer 5/16" Id 2.750" Lg
- 1 TP7-2.560..... Tube Spacer 7/16" Id x 2.560" Lg
- 1 RA-1.625..... Rod Assembly 1.625" Lg

#### Power Steering Bracket P/N 30072

#### KIT # 30075 ONLY

- 1 30072-A ..... Front Power Steering  
Bracket Body
- 1 30072-B ..... Lower Power Steering  
Support Bracket Body
- 1 21074-A ..... Power Steering Pump Adaptor Ring
- 1 S143..... 5/16" x 5/8" SHCS
- 1 S155..... 5/16" x 2" Lg SHCS
- 1 S158..... 5/16" x 2 1/2" Lg SHCS
- 1 S166..... 5/16" x 3 1/2" Lg SHCS
- 1 S174..... 5/16" x 5 1/2" Lg SHCS
- 2 S244..... 3/8" x 3/4" Lg SHCS
- 1 S268..... 3/8" x 3 3/4" SHCS
- 1 S312..... 3/8" x 1" Lg Hex Hd Bolt
- 1 S313..... 3/8" x 1 1/4" Lg Hex Hd Bolt
- 1 S622..... 3/8" Id Lock Nut
- 1 TP3-3.150..... Tube Spacer 3/8" Id x 3.150" Lg
- 1 TP3-1.980..... Tube Spacer 3/8" Id x 1.980" Lg
- 1 TP3-2.375..... Tube Spacer 3/8" Id x 2.375" Lg
- 1 TP7-2.250..... Tube Spacer 3/8" Id x 2.250" Lg

### Pulley Kit P/N 30075-206

- 1 2017-A ..... Crank Pulley Duel Serp
- 1 2016-A ..... Crank Pulley  
**KIT # 30070 ONLY**
- 1 206-A ..... Alternator Pulley Body
- 1 221-A ..... Alternator Pulley Fan
- 1 306-A ..... Alternator Pulley Cap
- 1 360-A ..... Power Steering Pulley Cap  
**KIT # 30075 ONLY**
- 1 629-A ..... Power Steering Pulley Body  
**KIT # 30075 ONLY**
- 3 S028..... 8/32 x 1" Lg SHCS
- 3 S103..... 1/4" x 1 1/4" Lg SHCS  
**KIT # 30075 ONLY**
- 4 S248..... 3/8" x 1" Lg SHCS
- 1 S685..... 1 1/16" Lock Washer

## Required Tools and Materials

|   |                           |                        |
|---|---------------------------|------------------------|
| RTV Silicone  | 6mm Allen Head Driver     | <b>Serpentine Belt</b> |
| Loc-Tite® Thread Locker   | 5/8" Combo Wrench         | 31.7 belt              |
| Anti-seize Compound   | 9/16" Combo Wrench        | 32 1/2" Belt           |
| Gasket Scraper, Steel Wool or Sand-<br>paper to clean gasket surfaces | 1 1/16" Combo Wrench      |                        |
| 3/16" Allen Head Driver   | 3/4" Combo Wrench         |                        |
| 5/16" Allen Head Driver   | Socket Wrench & Extension |                        |
| 1/4" Allen Head Driver  | 10mm 12pt. socket         |                        |
|   | 12mm 12pt. socket         |                        |

## Preparing to Install

- Disconnect the battery to prevent accidental engagement of starter motor.
- Drain coolant from system
- If your A/C is intact and charged it must be evacuated. This is best done by a professional garage with proper recycling equipment
- Remove the existing alternator, air conditioning compressor and associated brackets.
- Remove all pulleys and water pump.
- Remove all traces of old gasket and sealer with gasket scraper and steel wool pad.
- Clean threads in block by chasing with appropriate thread chasers.

## Installing the Kit



**Photo-1** If you purchased the Optional Nose Cover (345-A) Install to the Water Pump using (4) (S047) 10-24 x 3" SHCS as shown.

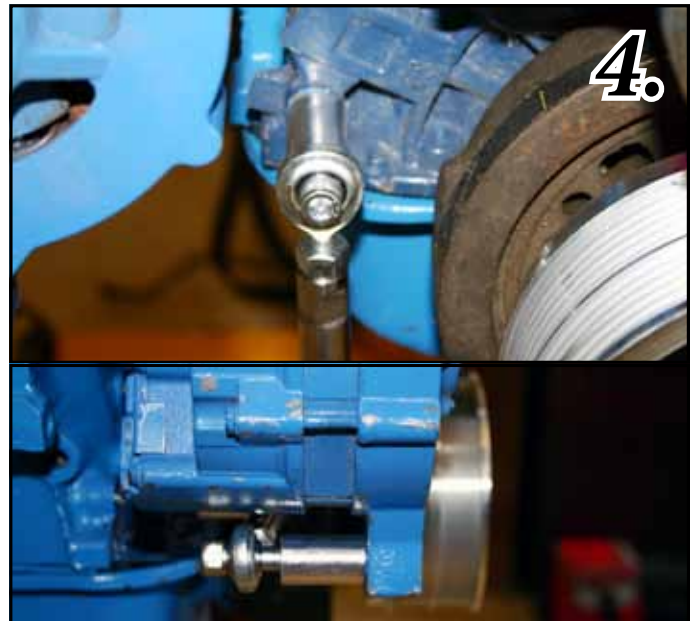


**Photo-2** Installing the Alternator Bracket (30071-A) in the upper inner Bolt Hole use a  $\frac{5}{16}$  x  $4\frac{1}{4}$ " SHCS (S171) and a TP-3.150 Long Tube Spacer between the Bracket and the water Pump. In the lower hole use a TP5-2.750 Spacer Tube Between the Bracket and the Water pump and a  $\frac{5}{16}$  x  $6\frac{1}{2}$ " SHCS (S178) .

**Photo-3** Installing the Ford Alternator. Use a TP7-2.560 Spacer Between the Alternator unit and the head. and a  $\frac{7}{16}$  x  $6\frac{1}{2}$ " SHCS (S378).



**Photo-4** Installing the Alternator. Adjustment rod (RA-1.625), Thru the lower timing cover hole in the motor use a  $\frac{5}{16}$  x 4" SHCS (S170) and space with a AC3-1.250 Spacer. Now attach the  $2\frac{1}{2}$ " Rod to the Alternator with a  $\frac{3}{8}$  x  $2\frac{1}{2}$ " SHCS (S262) and use a AC3-1.250 Spacer Between the Alternator and the Rod.

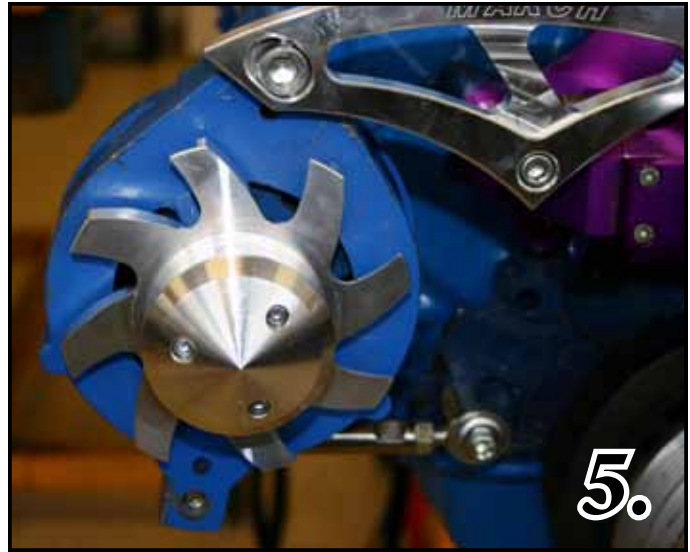




**Photo -5** Install the Alternator Fan (221-A) and Alternator. Pulley (206-A) and Cover (306-A) and the Crank pulley (2017-A) or for Alternator only Kit use Crank (2016-A) If running a Alternator only Kit install a (506031.7) Dayco Belt (31.7"). If using power steering Leave the belt off and move to the next step.



**Alternator Only  
Belt Install**



**5.**

**Photo-6** Install the Lower Rear Power Steering support Bracket (30072-B) thru the two lower Timing Cover holes the inner bolt is a  $\frac{5}{16}$  x 2" SHCS (S155) in the outer hole use a  $\frac{5}{16}$  x 2 $\frac{1}{2}$ " (S158) use a TP3-3.150 Spacer (3.150 long) between the timing cover and the bracket on the outer bolt hole Do not tork this Bracket yet as it may need to be adjusted later to line up with the power steering pump.



**6.**



**7.**

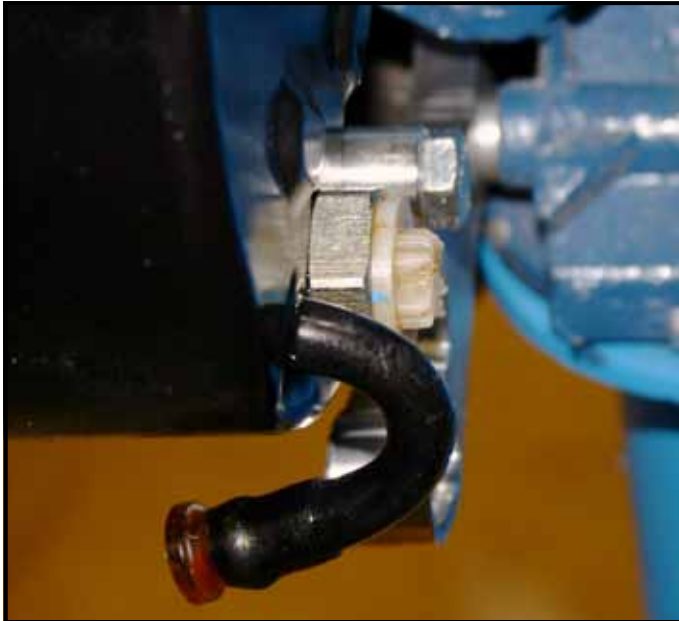
**Photo-7** Installing the front Power Steering Bracket (30072-A) in the upper hole use a TP3-2.375 Spacer Tube And a  $\frac{5}{16}$  x 3 $\frac{1}{2}$ " SHCS (S166). in the lower outer hole use a TP3-1.980 Spacer tube and a  $\frac{5}{16}$  x 5 $\frac{1}{2}$ " SHCS (S174) As Shown.

**Photo-8** Install the Power Steering Adapter Ring (21074-A) To the Power Steering Pump. Use (2)  $\frac{3}{8}$  x  $\frac{3}{4}$ " SHCS (S244) and (1)  $\frac{3}{8}$  x 1" Hex Bolt (S312) as Shown.

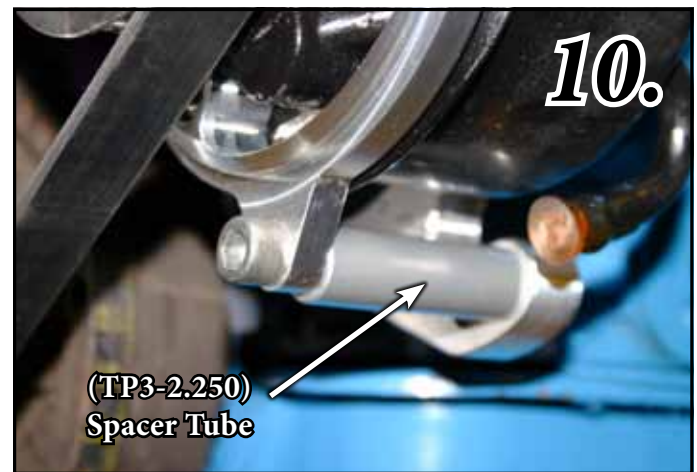


**8.**

**Photo-9** Mount the Power Steering pump to the main bracket use a  $\frac{5}{16}$ -18 x  $\frac{5}{8}$ " (S143) thru the front Upper slot and a  $\frac{3}{8}$  x  $1\frac{1}{4}$ " (S313) hex bolt thru the rear Bracket hole in the rear Support bracket.



**Photo-10** On the lower rear support bracket install a  $\frac{3}{8}$ " lock nut.(S622)into the lower slot.thru the front hole of the power Steering support ring (21074-A) install a  $\frac{3}{8}$  x  $3\frac{1}{4}$ " SHCS (S268) and use a TP7-2.250 Spacer between the rear of the support ring and the rear Support Bracket.



Install the Power Steering Pulley(629-A ) and Power Steering Cap with (3)  $\frac{1}{4}$  x  $1\frac{1}{4}$ " SHCS (S103). Install the  $32\frac{1}{2}$ " belt and snug.

Check and tighten all bracket bolts and alternator and power steering lower mounting bolts, turn engine over once by hand to check for any belt rubbing and proper belt alignment. Run engine three minutes and check belt tension again.

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.

This Limited Warranty does not cover or apply to any damage or loss sustained to the engine or any other parts which may have been caused by the defective Product and does not cover or apply to any personal injury, labor charges or any other incidental costs for damages caused by the defective Product. THIS IS THE ONLY EXPRESS WARRANTY GIVEN WITH RESPECT TO YOUR PRODUCT. ALL OTHER EXPRESS WARRANTIES, GUARANTEES, OR STATEMENTS REGARDING THE PRODUCT, WHETHER WRITTEN OR VERBAL, ARE HEREBY DEEMED NULL AND VOID AND OF NO EFFECT.

Normal wear and tear and damage to the Product not caused by March Performance are also excluded from this Warranty.

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Your Responsibilities:

- 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 \*\*