

Ford Flathead

Kit# 30610 90Deg Waterpump Mount With Alt/AC

Kit# 30620 45Deg Waterpump Mount With Alt/AC



Included Parts List

Main Front Bracket P/N 30601

- 1 - 30601-AMain Front Bracket Body
- 2 - 740-AIdler Pulleys
- 2 - 302-AIdler Pulley Cap
- 6 - S022..... $\frac{8}{32}$ x $\frac{3}{8}$ " SHCS
- 2 - S248..... $\frac{3}{8}$ " x 1" SHCS
- 1 - S266..... $\frac{3}{8}$ " x 3" SHCS
- 2 - S321..... $\frac{3}{8}$ " x 1 $\frac{3}{4}$ " Hex Hd Bolt
- 2 - S337..... $\frac{3}{8}$ " x 1 $\frac{1}{2}$ " Threaded Stud
- 3 - S551.....8M x 25mm SHCS
- 1 - S155..... $\frac{5}{16}$ " x 2" SHCS
- 3 - S666..... $\frac{3}{8}$ " id Flat Washer
- 2 - S787..... $\frac{3}{4}$ "Od x 3.100" Lg Stainless Spacer
- 1 - TP5-.350350" Lg Tube Spacer

Adjustment / rear support Bracket P/N 30602

- 1 - 30602-A Main Bracket
Body
- 1 - 30602-B.....Rear alt & a/c Support
Bracket
- 1 - 30602-C adjustment
Bracket
- 2 - S102..... $\frac{1}{4}$ " x $\frac{3}{4}$ " SHCS
- 2 - S248..... $\frac{3}{8}$ " x 1" SHCS
- 2 - S250..... $\frac{3}{8}$ " x 1 $\frac{1}{4}$ " SHCS
- 2 - S254..... $\frac{3}{8}$ " x 1 $\frac{3}{4}$ " SHCS
- 1 - S327..... $\frac{3}{8}$ " x 2" Hex Hd Bolt
- 1 - S425..... $\frac{9}{16}$ " x 1 $\frac{1}{4}$ " SHCS
- 2 - S616..... $\frac{5}{16}$ " Lock Nut

Idler Assembly

P/N 30606 FOR KITS # 30610 / 30620 ONLY

- 1 - 30606-AIdler Bushing Spacer Bracket (Assembled)
- 1 - 30606-B.....Idler Pulley Mount - (Assembled)
- 2 - S148..... $\frac{5}{16}$ " x 1 $\frac{1}{4}$ " SHCS
- 1 - S310..... $\frac{5}{16}$ " Shoulder Bolt
- 2 - S721.....Bearings (Assembled)

Pulley Kit P/N 2070-206

- 1 - 2071-ACrank Pulley
- 2 - 2072-AWater Pump Pulley
- 1 - 206-AAlt Pulley
- 1 - 221-AAlt Fan
- 1 - 306-AAlt Cap
- 2 - 329-AWater Pump Pulley Cap
- 1 - 394-AA/C Cover
- 1 - 655-APower Steering Pulley
- 3 - S028..... $\frac{8}{32}$ x 1" SHCS
- 3 - S144..... $\frac{5}{16}$ " x $\frac{7}{8}$ " SHCS
- 8 - S189..... $\frac{5}{16}$ " x 1 $\frac{1}{4}$ " SHCS
- 3 - S520.....M6 Button Hd Bolts
- 1 - S685.....1 $\frac{1}{16}$ " Lock Washer

Accessories

- 1 - P136Water Pump
90 Deg Mount LH Side
- 1 - P137Water Pump
90 Deg Mount RH Side
- 1 - P138Water Pump
45 Deg Mount LH Side
- 1 - P139Water Pump
45 Deg Mount RH Side
- 1 - P412A/C Compressor Chrome
- 1 - P417A/C Line Mount Kit
- 1 - P572Alternator Chrome

Required Tools and Materials

- RTV Silicone
- Loc-Tite® Thread Locker
- Gasket Scraper, Steel Wool or Sandpaper to clean gasket surfaces
- $\frac{3}{16}$ " Allen Head Driver
- $\frac{5}{16}$ " Allen Head Driver
- $\frac{1}{4}$ " Allen Head Driver
- 6mm Allen Head Driver
- $\frac{5}{8}$ " Combo Wrench
- $\frac{9}{16}$ " Combo Wrench

- 1 $\frac{1}{16}$ " Combo Wrench
- $\frac{3}{4}$ " Combo Wrench
- Socket Wrench & Extension
- 10mm 12pt. socket
- 12mm 12pt. socket

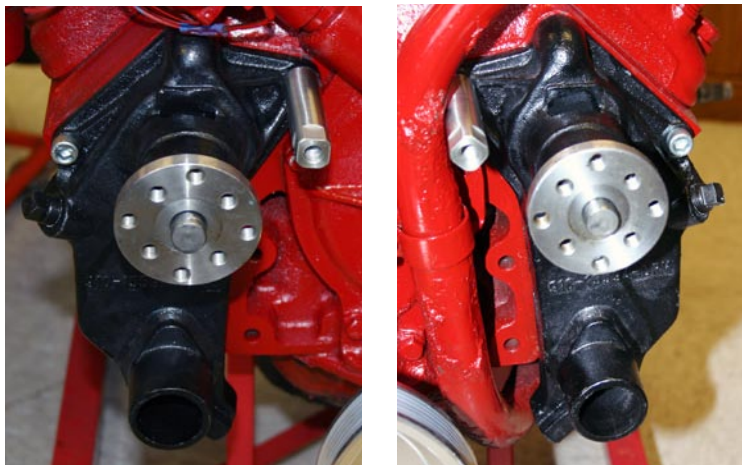
Serpentine Belt

- 108" 6 Rib Belt



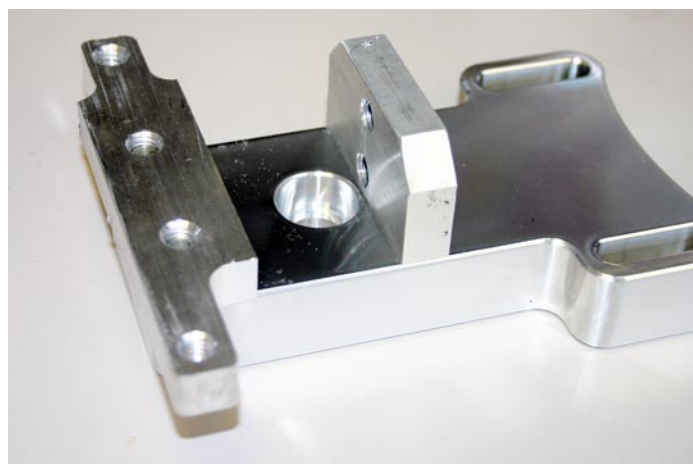
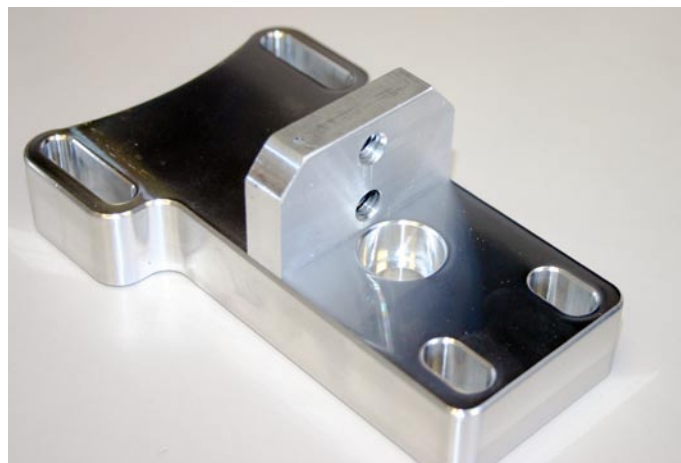
Tech Support 1-888-729-9070

Step-1 Install the Crank Pulley (2071-A)
Using the Factory Center bolt.



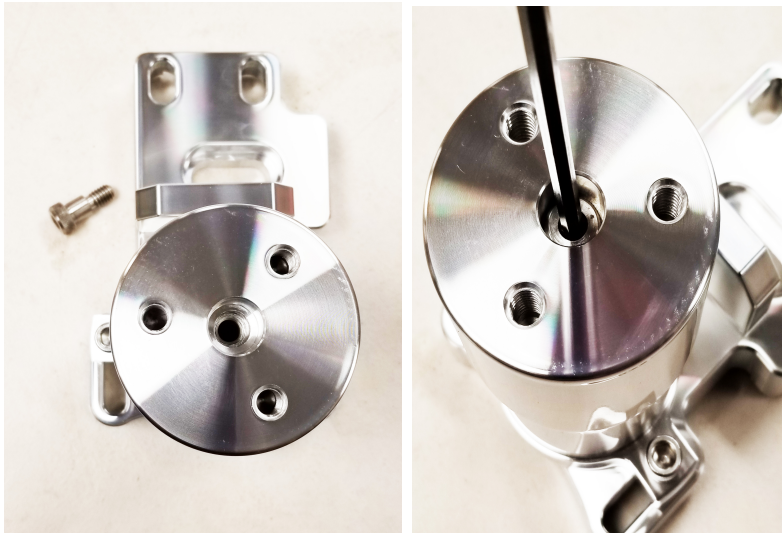
Step-2 Make sure the sealing face of the coolant outlets are clean, flat and free of old gasket material. Install the two water pumps (P138) & (P139) (45 Deg) or (P136) & (P137) (90 Deg.) Using (2) 3/8 x 1 3/4" shcs (S254) for the center bolts and two 3/8 x 1" shcs (S248) for the outer bolts. The inner bolts holes will use the two 3/8 x 1 1/2" Studs (S337) and the two 3.100 long stainless tapped spacers (S787) as shown.

Step-3 Bolt the adjuster bracket (30602-C) to the main support bracket (30602-A) using two 1/4 -20 x 3/4" shcs (S102). (NOTE) Mount the adjuster on the same side as the 7/16" counterbore.



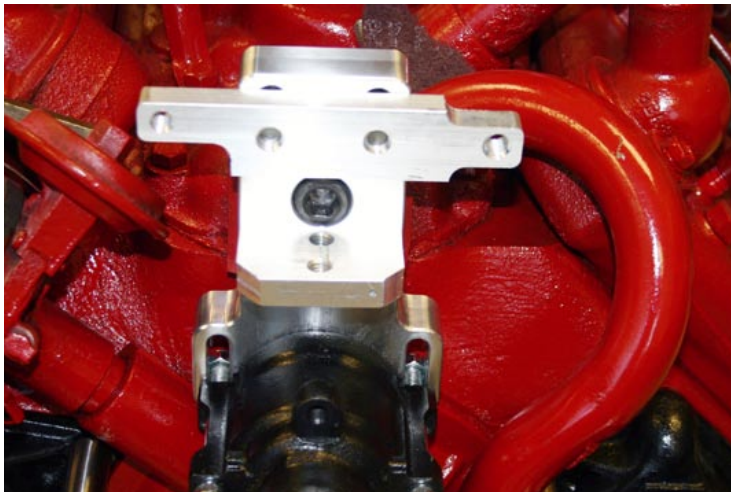
Step-4 Mount the rear alternator & a/c support bracket (30602-B) using two 3/8 x 1 1/4" (S250) shcs as shown but leave loose for adjustment later.

Step-5 Installing the Idler assembly (30606) to (30602-A) main support bracket with two (S148) 5/16-18 x 1 1/4" shcs and two (S616) 5/16" locknuts. Install the locknuts into the rear counter bore slots and the (S148) thru the front of the (30606) idler assembly. Snug only at this time.

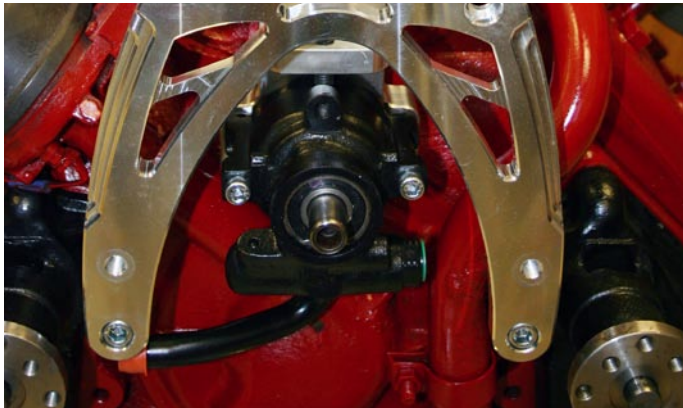
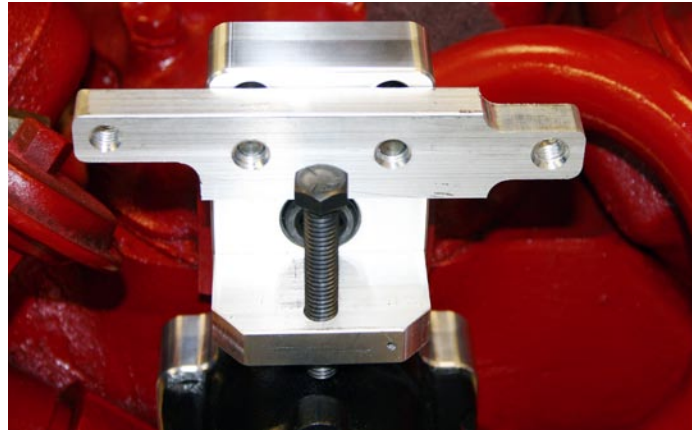


Step-6 Install (S310) 5/16 shoulder bolt into center of idler assembly.

Step-7 Install adjuster bracket assembly to intake manifold (old generator mount on intake manifold) with a (S425) 9/16 x 1 1/4" shcs. **Note: Different style intakes shift the location of generator mount. Positioning is typically in the center. The backside of (30602-A) has vertical slots machined to allow this bracket assembly to be staggered for install on some intakes.**

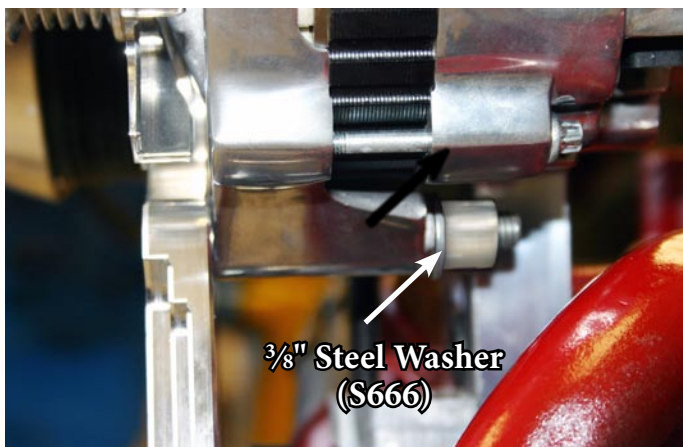
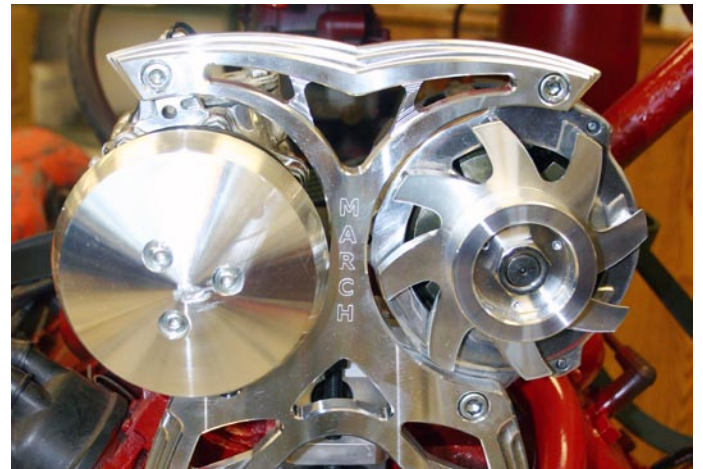


Step-8 Install (S327) 3/8-16 x 2" hex head into (30602-C) adjuster bracket.



Step-9 Install the main front bracket (30601-A) using two (S248) 3/8 x 1" shcs in the lower mounting holes to the two stainless threaded spacers on the water pumps.

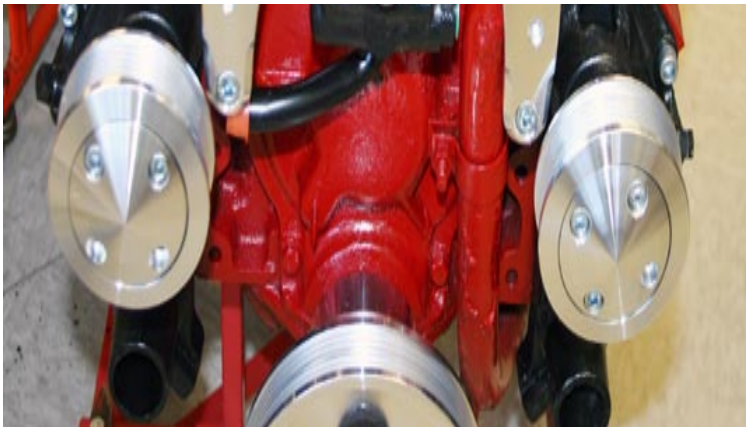
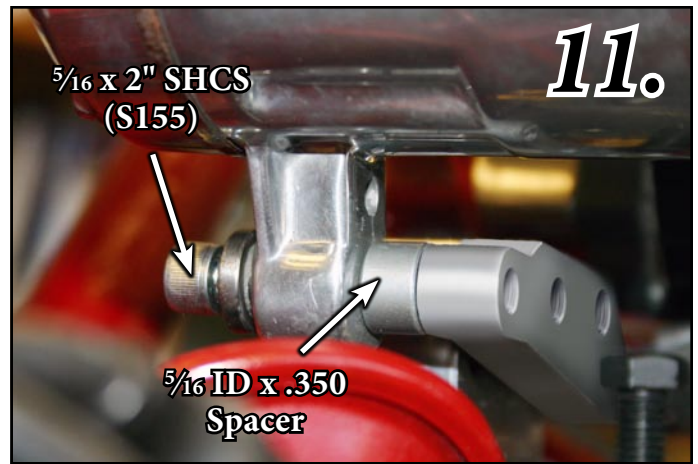
Step-10 Install the a/c compressor (P412) with two (S551) M8 x 1.25 x 25mm shcs through the (30601-A) front main bracket. One in the top mount and one in the bottom mount. Now install the alternator (P572) with a (S551)M8 x 1.25 x 25mm shcs in the top mounting location.



Step-11 In the lower alternator mounting hole use a (S266) 3/8-16 x 3" shcs through the main front bracket and the lower alternator mounting ear and into the rear support bracket installing a (S666) 3/8" washer between the rear support bracket and the rear of the alternator mounting ear.

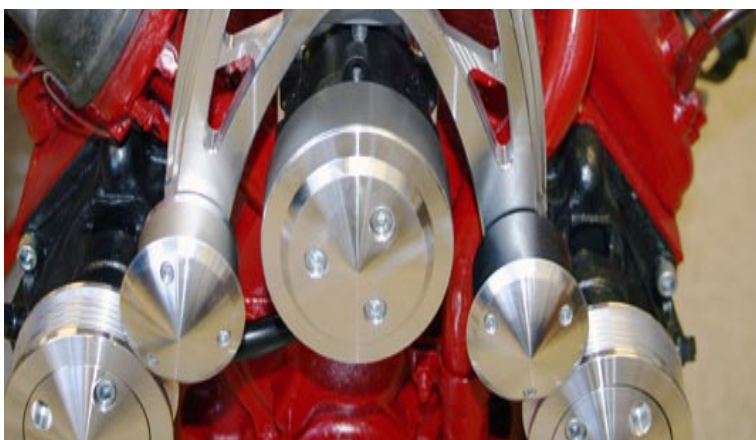
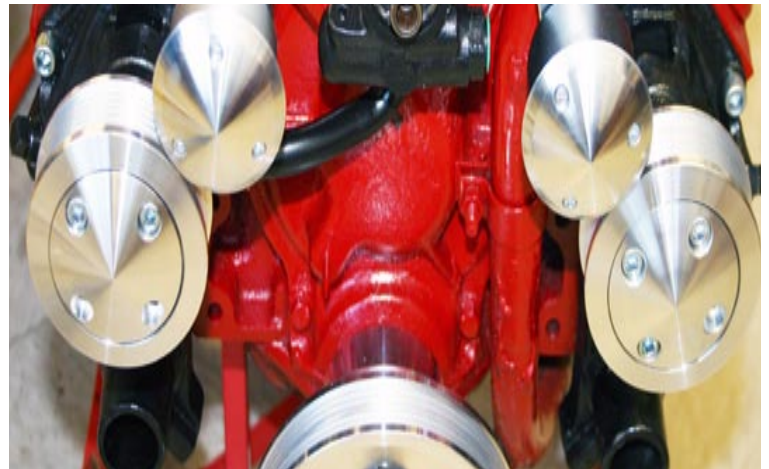
Step-12 At the rear A/C mounting location install a 5/16 I.D. x .350 long Spacer (TP5-.350) Between the rear A/C ear and the rear support and use a 5/16-18 x 2" SHCS (S155). Note the 5/16 bolt installs from the rear.

Important Note: Once the alternator and a/c units have been secured it is important to tighten the two 3/8x 1 1/4" shcs securing the alternator & a/c support bracket (30602-B) to the power steering main bracket (30602-A).



Step-13 Install the two (2072-A) water pump pulleys and the two (329-A) water pump pulley caps using the eight provided 5/16- 24 x 1 1/4" SHCS (S189) .

Step-14 Install the two idler pulleys (P740) to the front main bracket using two (S321) 3/8 x 1 3/8" hex bolts (S321) and two (S666) washers. Install the two (302-A) idler covers with the provided six (S022) 8-32 x 3/8" shcs .



Step-15 Install the idler pulley (655-A) using three (S144) 5/16 x 7/8" shcs.

Step-16 Install the a/c nose cover (394-A) with three (S520) M6 button head bolts or three (S124) 1/4-20 x 3/4" button head bolts depends on threads in clutch. Now install alternator fan (221-A), Alternator pulley (206-A) with lock washer (S685). Install alternator nut to 90 ft lbs. Now install alternator pulley nose cover (306-A) with three (S028) 8/32 x 1" shcs. **Belt install** : Pull the power steering unit up and install a 108" 6 rib belt (**Dayco 506108**), route as shown. Adjustment is achieved by turning the 3/8" adjustment hex head bolt (see step 8) pushing the power steering pump downward. Once tensioned now tighten the two x 2 1/2" shcs (S218) in the power steering unit to lock the pump in place.

Check and tighten all bracket bolts, alternator and a/c lower mounting bolts. After running engine for 5 minutes and check belt tension again.



Final Assembly

If you are going to be installing your air conditioning hoses and charging the system at this time, remove the cover plate on top of the compressor body. Install the (P417) A/C adapter lines, hoses and connect clutch wire and charge system. **Important:** If you are NOT installing hoses and charging the system at this time, leave cover plate on compressor. Do not connect the clutch wire or apply power to clutch wire without the hoses connected and the system charged – ***Serious damage will occur to compressor.***

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.

DISCLAIMER OF OTHER WARRANTIES

EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY WHETHER OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR WARRANTY, SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY WILL LAST SO THAT THE PRECEDING LIMITATION MAY NOT APPLY TO YOU.

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THIS WARRANTY GIVES YOU SPECIFIC RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH MAY VARY FROM STATE TO STATE.

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 **