



**Style**  
**TRACK**  
*High Style, Low Cost*

## *Highly Styled, Low Cost Serpentine Drive*

Installation Instructions

### **Chevy LT-1**

*Kit #20970 (Alternator Only)*

*#20975 (Alternator and Power Steering)*

*#20980 (Alternator and A/C)*

*#20985 (Alternator, A/C and Power Steering)*



## Included Parts List

### Alternator Bracket P/N 20971

- 1 - 20971-A.....Alternator Bracket
- 4 - S248 ..... $\frac{3}{8}$  x 1" SHCS
- 1 - S270 ..... $\frac{3}{8}$  x  $3\frac{1}{2}$  SHCS
- 1 - S551 .....M8 x 25 mm
- 1 - 20971-B.....Rear Support
- 1 - 20971-C.....Rear Support Tube
- 1 - S450 .....Adjustment screw
- 1 - 744.....Idler
- 1 - S322 ..... $\frac{3}{8}$  x  $1\frac{1}{2}$  Hex Bolt
- 1 - S666 ..... $\frac{3}{8}$  Washer
- 2 - S766 ..... $\frac{3}{8}$ -16 Stainless Threaded Studs
- 2 - S341 ..... $\frac{3}{8}$ -16 Studs

### A/C Bracket P/N 20972

- 1 - 20972-A.....A/C Bracket
- 2 - S248 ..... $\frac{3}{8}$  x 1" SHCS
- 2 - S551 .....M8 x 25 MM SHCS
- 1 - 20972-B.....Rear A/C Support
- 1 - S256 ..... $\frac{3}{8}$  x 2" SHCS
- 1 - AC3-1.350.....Spacer
- 1 - S150 ..... $\frac{5}{16}$  x  $1\frac{1}{2}$ " SHCS
- 1 - S616 ..... $\frac{5}{16}$  Lock nut
- 1 - 744.....Idler Pulley
- 1 - S322 ..... $\frac{3}{8}$  x  $1\frac{1}{2}$  Hex Bolt
- 1 - S666 ..... $\frac{3}{8}$  Washer
- 2 - S766 ..... $\frac{3}{8}$  - 16 Stainless Spacers
- 2 - S341 ..... $\frac{3}{8}$  - 16 Studs

### Power Steering Bracket P/N 20973

- 1 - 20973-A.....Power Steering Bracket
- 2 - S144 ..... $\frac{5}{16}$  x  $\frac{7}{8}$ " SHCS
- 2 - S551 .....M8 x 25mm SHCS
- 1 - 337-A .....Water pump Center Cover  
(Kit 20980 and 20985with A/C)
- 1 - 338-A.....Water Pump Center Cover  
(Kits 20970 and 20975 without A/C)
- 6 - S501 .....M6 x 12 mm SHCS
- 1 - S730 .....O-Ring Rear Seal for Covers

### Thermostat Relocator Bracket P/N 20974

- 1 - 20974-A.....Thermostat Relocator Bracket Body
- 2 - S500 .....M6-1.0 x 25mm SHCS

### Pulleys

- 1 - 394.....A/C Cover
- 1 - 221.....Alt Fan
- 1 - 208.....Alt Pulley
- 1 - 307.....Alternator Pulley Cover
- 1 - 651.....P/S Pulley with 601 Hub

### Accessories

- 1 - P315 .....P/S unit Rem Style
- 1 - P412 .....A/C unit
- 1 - P572 .....Alt. Unit
- 1 - P417 .....A/C line kit
- 1 - P109 .....Corvette Water pump

### CRANK HUB NOT SOLD IN KITS

- 1 - 348-A.....Vette Crank Spacer Hub
- 1 - 340-A.....Vette Crank Pulley Cover
- 3 - S370 ..... $\frac{7}{16}$  x  $4\frac{1}{2}$  SHCS
- 1 - 349-A.....Camaro Crank Spacer hub
- 1 - 341-A.....Camaro Crank Pulley Cover
- 3 - S370 ..... $\frac{7}{16}$  x  $4\frac{1}{2}$  SHCS
- 3 - S315 ..... $\frac{3}{8}$  x  $\frac{1}{2}$ " Button Head Bolts

## Required Tools and Materials

RTV Silicone

Loc-Tite® Thread Locker

Anti-seize Compound

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

47 $\frac{1}{2}$ " #20970 Alt. Only

54 $\frac{1}{2}$ " #20975 Alt. and P/S

71 $\frac{1}{2}$ " #20980 Alt. and A/C

78 $\frac{1}{2}$ " #20985 Alt., A/C and P/S



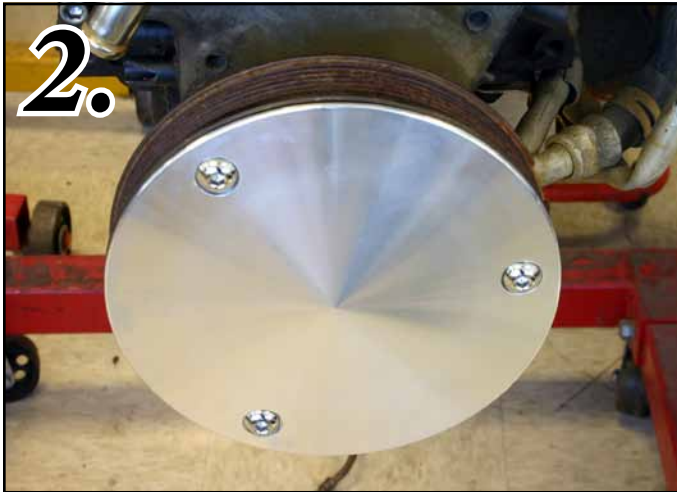
Tech Support 1-888-729-9070

## 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

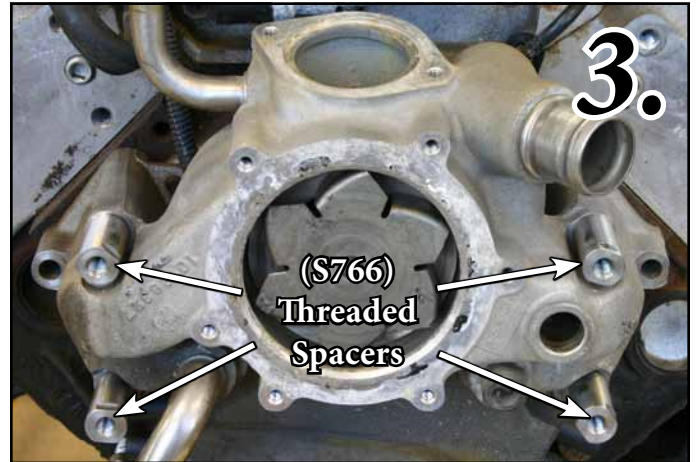
**Photo-1** Install Crank Pulley Adapter hub (349-A) or (348-A) Depending on the Dampener for Camaro or Corvette. Use the 3 Provided  $\frac{7}{16}$  x  $4\frac{1}{2}$ " SHCS (S370).



**Photo-3** Ensure the sealing face of the coolant outlets are clean, flat and free of old gasket material. Apply a small amount of RTV silicone to one end of each mounting stud to prevent coolant seepage. Install the (4)  $4\frac{1}{2}$ " mounting studs (S341) slide waterpump gaskets In place and install the Corvette Water pump (P109) and secure with (4)  $\frac{3}{8}$ " Threaded Stainless Spacers (S766) As Shown.



**Photo-2** Install the Crank Pulley Cover (340-A) or (341-A) by first Tapping 3 of the 5/16 dampener holes with a  $\frac{3}{8}$ -16 tap and use the (3)  $\frac{3}{8}$  x  $\frac{1}{2}$ " Button head screws (S315) to secure.



**NOTE:** For non-A/C kits 20970 and 20975, skip instructions 4, 5 and 6.

**Photo-4** Install the A/C Rear Support Bracket (20972-B) Using a (AC3-1.350) Long Spacer Between the Head and the bracket and use a  $\frac{3}{8}$  x 2" SHCS (S256) in the Slot of the bracket.

**Photo-5** Install the Front Main A/C Bracket (20972-A) to the Water pump with (2)  $\frac{3}{8}$  x 1" SHCS (S248).

Install the Front Main Alternator Bracket (20971-A) to the water pump using (2)  $\frac{3}{8}$  x 1" SHCS (S248) as shown in **Photo 5**.



**Photo-6** Install the A/C unit (P412) to the main bracket with (2) M8 x 25mm SHCS.(S551) Tie the Rear A/C ear to the Rear Support Bracket with the  $\frac{5}{16}$  x 1 $\frac{1}{2}$ " SHCS (S150) and use a  $\frac{5}{16}$  Lock Nut (S616).

**Photo-7** Install the rear Alternator Support and Rear Support Tube (20971-B) and (20971-C) by bolting the two parts together with a  $\frac{3}{8}$  x 1" SHCS (S248) and mount to the head with a  $\frac{3}{8}$  x 1" SHCS (S248). In the front of the aluminum tube install the (S450) Threaded Adjustment Screw.



**Photo-8** Install the Alternator (P572) using (1) M8 x 25mm SHCS (S551) in the top mounting hole, and a  $\frac{3}{8}$  x 3 $\frac{1}{2}$ " SHCS (S270) in the lower slotted hole lining up with the rear Alternator Rear Support. Use the (S450) Threaded Adjustment Screw to take up any slack before tightening bolt.

**Photo-9** Install the (2) Idler Pulleys (744) using (2)  $\frac{3}{8}$  Washers (666) and (2)  $\frac{3}{8}$  x 1 $\frac{1}{2}$ " Hex Head Bolt (S322) To the A/C and Alternator Brackets. (Non A/C kits will use alternator bracket idler only)



**Photo-10** Install the Center Water Pump Cover (337-A) using the (6) M6 x 12mm SHCS (S501) and the O-Ring (S730) to the rear of the cover as a replacement seal.

**Photo-11** *NOTE: For non-A/C kits 20970 and 20975* Install Center Water Pump Cover (338-A). using the (6) M6 x 12mm SHCS (S501) and the O-Ring (S370) to the rear of the cover as a replacement seal. (*This cover comes with a pre-installed idler for used with kits without A/C*)

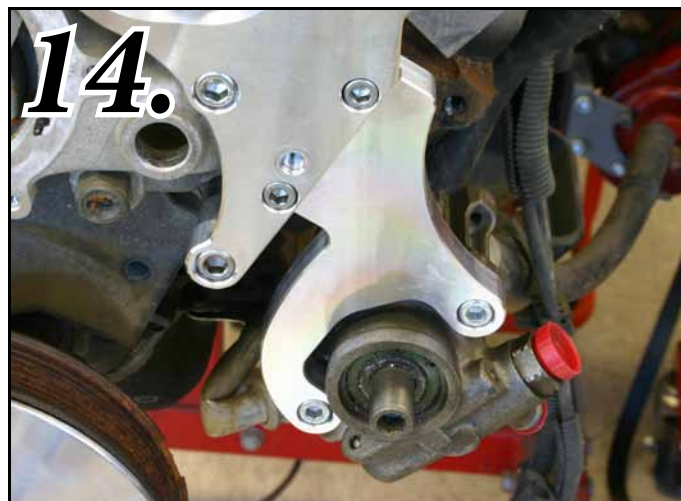


**Notch housing to provide bolt clearance**

housing in its re clocked position unsing the relocator (20974-A) and (2) M6 x 25mm SHCS (S500) as shown.

**Photo-12** Install the Thermostat Relocator (20974), this bottom view shows a small notch in the thermostat bolt holes, use the relocator as a guide and drill a notch in the thermostat housing for bolt hole clearance.

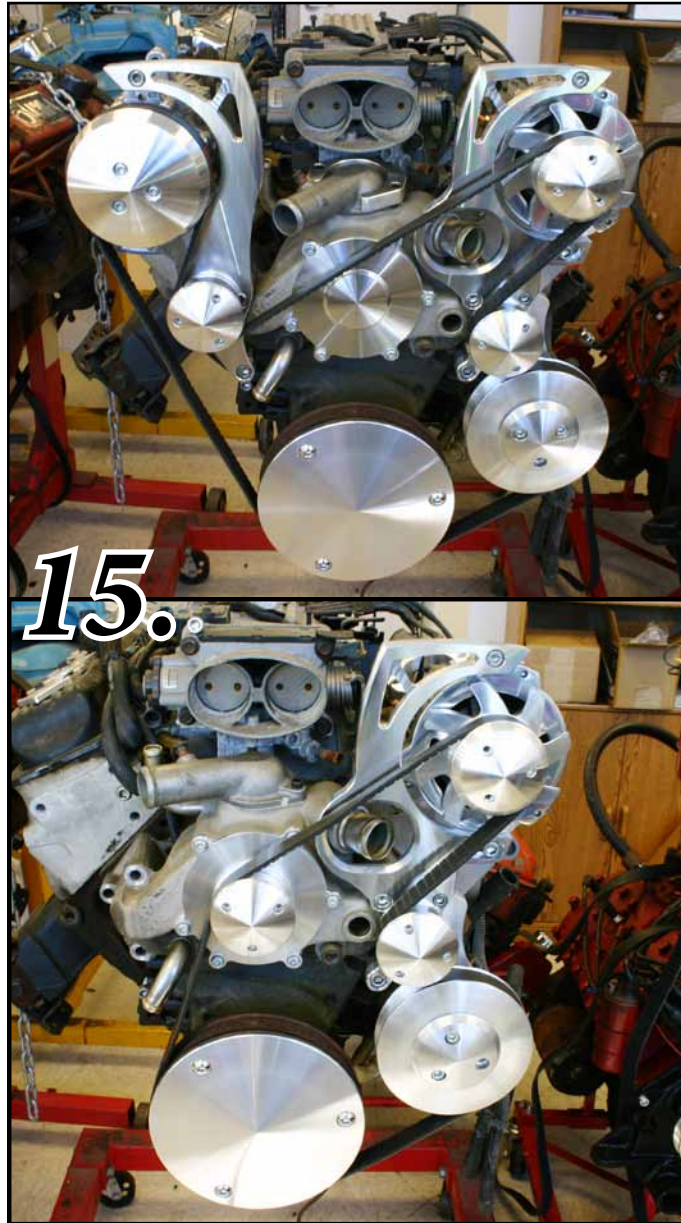
**Photo-13** Using a new gasket mount the thermostat



### For Kits With Power Steering

**Photo-13** Mount the Power Steering Pump (P315) to the Power Steering Bracket (20973-A) using (2) M8 x 25mm SHCS (S551) and mount the Pump/Bracket Assembly to the Alternator bracket using (2)  $\frac{5}{16}$  x  $\frac{7}{8}$ " SHCS (S144)

**Photo-14** Install the Alternator Fan (221) Alternator Pulley (208) and Alternator pulley Cover (307) Install the A/C cover (394) and Power Steering pulley (651) If using P/S . Install the (2) Idler Covers (302).



**Photo-15** Tilt Alternator and A/C units inward at the lower slots and install the Belt, 71½" for kit 20980 and 78½" for kit 20985 (Kits with A/C) Move the A/C to the outward position and lock in place by tightening the mounting bolts. Tighten the belt to proper tension by pulling the lower Alternator mounting outward and tighten Alternator mounting bolts.

Use a 47½" belt for kit 20970 (Alt. Only Kit).

Use a 54½" belt for kit 20975 (Alternator and P/S), belt will bypass power steering pulley but will still use alternator bracket mounted idler.

Check and tighten all bracket bolts and alternator and A/C 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.

## 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.*

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LIMITED WARRANTY**

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**Exclusions from Warranty Coverage**

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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:  
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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 \*\***