

Style
TRACK

Serpentine Conversion



Highly Styled, Low Cost Serpentine Drive

Installation Instructions

Buick 430/455ci

Kit #17000 (with Remote Power Steering)
and #17010 (without Power Steering)



Included Parts List

Main Front Bracket P/N 17001

- 1 - 17001-A Main Front Bracket
- 1 - 17001-B Left Rear Support
- 1 - 17001-C Right Rear Support
- 2 - 740-A Idler Pulley Body
- 2 - 302-A Idler Cap
- 6 - S022 $\frac{8}{32} \times \frac{3}{8}$ " Lg SHCS
- 4 - S172 $\frac{5}{16}$ " x 5" Lg SHCS
- 4 - S248 $\frac{3}{8}$ " x 1" Lg SHCS
- 1 - S275 $\frac{3}{8}$ " x 4 $\frac{1}{4}$ " Lg SHCS
- 2 - S321 $\frac{3}{8}$ " x 1 $\frac{3}{4}$ " Lg Hex Hd Bolt
- 1 - S551 8M x 25mm SHCS
- 2 - S553 8M x 35mm SHCS
- 2 - S666 $\frac{3}{8}$ " Id Flat Washer
- 2 - MM100 Bolt Bushing
- 4 - TP5-.600600" Lg Tube Spacer

Rear Alternator Support Bracket P/N 17002

- 1 - 30412-A Alternator Rear Support Bracket
Body
- 1 - 30024-A Alternator Rear Support Bracket
Body
- 1 - S312 $\frac{3}{8}$ " x 1" Lg Hex Head Bolt
- 1 - S453 $\frac{5}{8}$ " x .850" Lg Set Screw
- 1 - S666 $\frac{3}{8}$ " Id Flat Washer

Rear AC Support Bracket P/N 17003

- 1 - 30413-A AC Rear Support Bracket Body
- 1 - S148 $\frac{5}{16}$ " x 1 $\frac{1}{4}$ " SHCS
- 1 - S324 $\frac{3}{8}$ " x 2 $\frac{1}{4}$ " Lg Hex Hd Bolt
- 1 - S666 $\frac{3}{8}$ " Id Flat Washer
- 1 - TP3-1.450 1.450" Lg Tube Spacer

Power Steering Bracket P/N 17004

IN KIT # 17000 ONLY

- 1 - 17004-A Power Steering Bracket Body
- 1 - 740-A Idler Pulley Body
- 1 - 302-A Idler Pulley Cap
- 3 - S022 $\frac{8}{32} \times \frac{3}{8}$ " Lg SHCS
- 1 - S321 $\frac{3}{8}$ " x 1 $\frac{3}{4}$ " Lg Hex Hd Bolt
- 3 - S551 8M x 25mm SHCS
- 1 - S666 $\frac{3}{8}$ " Id Flat Washer
- 1 - TP3-.150150" Lg Tube Spacer

Pulley Kit P/N 12020-208

- 1 - 12021-A Crank Shaft Pulley
- 1 - 12022-A Water Pump Pulley
- 1 - 208-A Alternator Pulley
- 1 - 221-A Alternator Fan
- 1 - 307-A Alternator Cap
- 1 - 313-A Water Pump Pulley Cap
- 1 - 394-A AC Cap
- 3 - S028 $\frac{8}{32} \times 1$ " Lg SHCS
- 6 - S144 $\frac{5}{16}$ " x $\frac{7}{8}$ " Lg SHCS
- 4 - S186 $\frac{5}{16}$ " -24 x $\frac{7}{8}$ " Lg Fine Thd SHCS
- 3 - S520 6M x 20mm Button Hd Bolt
- 1 - S685 $\frac{11}{16}$ " Lock Washer
- 1 - 650-A Power Steering Pulley
IN KIT # 17000 ONLY
- 3 - S144 $\frac{5}{16}$ " x $\frac{7}{8}$ " Lg SHCS

Accessories

- 1 - P190 Aluminum Water Pump
- 1 - P412 AC Compressor Chrome
- 1 - P572 Alternator 105 Amp Chrome
- 1 - P313 Power Steering Pump With .600"
Hub..... IN KIT # 17000 ONLY

Required Tools and Materials

- | | |
|---|--------------------------------|
| RTV Silicone | 6mm Allen Head Driver |
| Loc-Tite® Thread Locker | $\frac{5}{8}$ " Combo Wrench |
| Anti-seize Compound | $\frac{9}{16}$ " Combo Wrench |
| Gasket Scraper, Steel Wool or Sand-
paper to clean gasket surfaces | $\frac{11}{16}$ " Combo Wrench |
| $\frac{3}{16}$ " Allen Head Driver | $\frac{3}{4}$ " Combo Wrench |
| $\frac{5}{16}$ " Allen Head Driver | Socket Wrench & Extension |
| $\frac{1}{4}$ " Allen Head Driver | 10mm 12pt. socket |
| | 12mm 12pt. socket |

Serpentine Belt

- 73" for Kits Without Power Steering
- 81 $\frac{1}{2}$ " for Kits With Power Steering

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 Ensure the sealing face of the coolant outlets are clean, flat and free of old gasket material. Install the Buick Water Pump (P190)

Photo 2 Mount the Left Spacer Bracket (17001-B) (Alternator Side) and The Right Spacer Bracket (17001-C) (A/C Side) to the Water Pump Using (4) $\frac{5}{16}$ x 5" SHCS (S172) and between the Water Pump and The Spacers use (4) TP5-.600 Tube Spacers As shown.

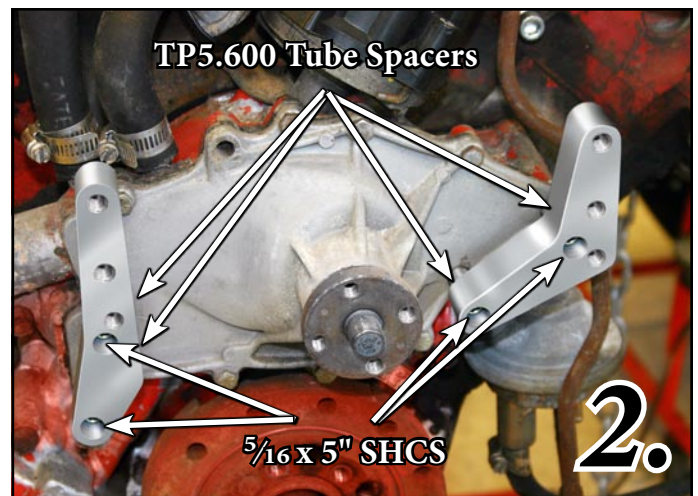


Photo 3 Install the Front Main Plate (17001-A) to the rear supports using (4) $\frac{3}{8}$ x 1" SHCS (S248) through the main plate and into the left and right spacer brackets.

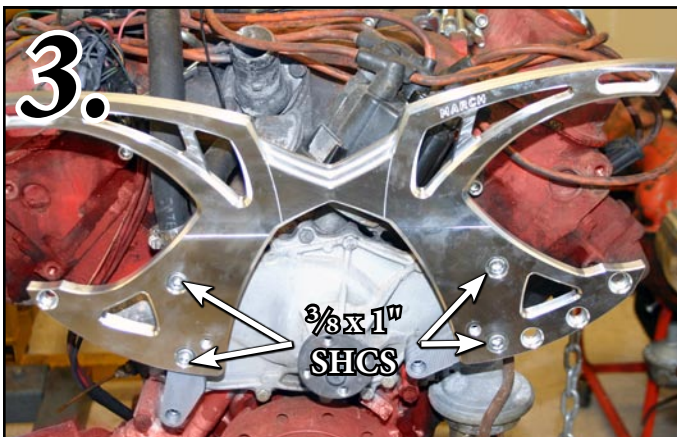


Photo 4 Mount the two (740-A) Idler Pulleys To the Main Bracket using (2) $\frac{3}{8}$ x 1 $\frac{3}{4}$ " Hex Bolts (S321) and (2) $\frac{3}{8}$ Washers (S666)



Photo 5 Mount the Alt. rear support (30412-A) to the engine block using One $\frac{3}{8}$ x 1" Hex bolt (S312) and a $\frac{3}{8}$ " Washer (S666) Install the $\frac{5}{8}$ " Threaded Bushing to the end of the tube.(S453), leave loose at this time.

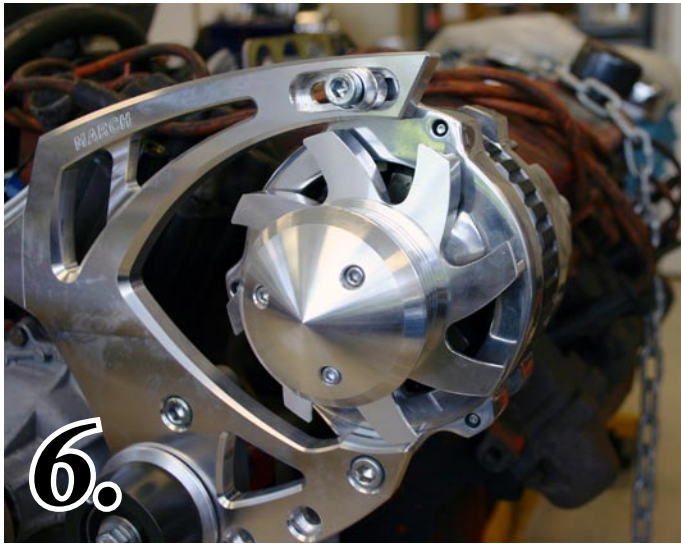


Photo 7 Secure the A/C Rear support (30413-A) to the engine block using a $\frac{3}{8}$ x $2\frac{1}{4}$ " hex bolt (S324) and a $\frac{3}{8}$ " Washer (S666). Place 1.450 long Tube. Spacer (TP3.1450) between the A/C Rear Bracket and the head. Leave loose at this time.

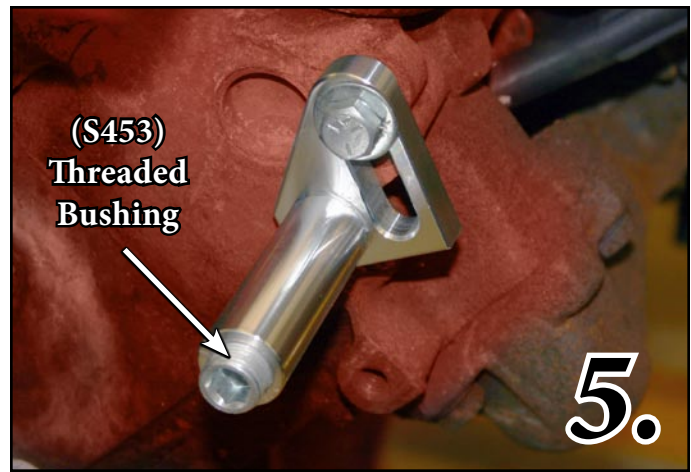
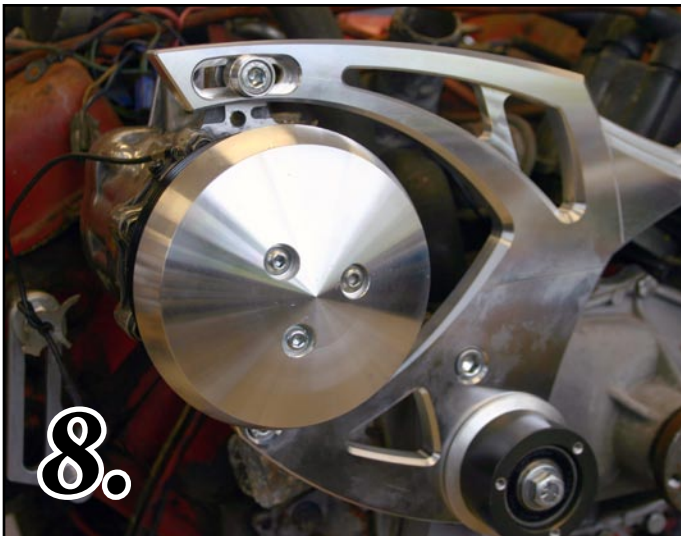


Photo 6 Installing the Alternator (P572). In the lower Alternator mounting hole slide one $\frac{3}{8}$ x $4\frac{1}{4}$ " SHCS (S275) through the Main Plate and the lower Alternator mount into the Rear Alternator support bracket (30412-A). Make sure the Threaded Bushing (S453) is adjusted tight to the rear of the alternator ear. In the upper Slotted Hole use a M8 x 35 mm SHCS (S553) and a MM100 Counter bored bushing. Leave loose at this time

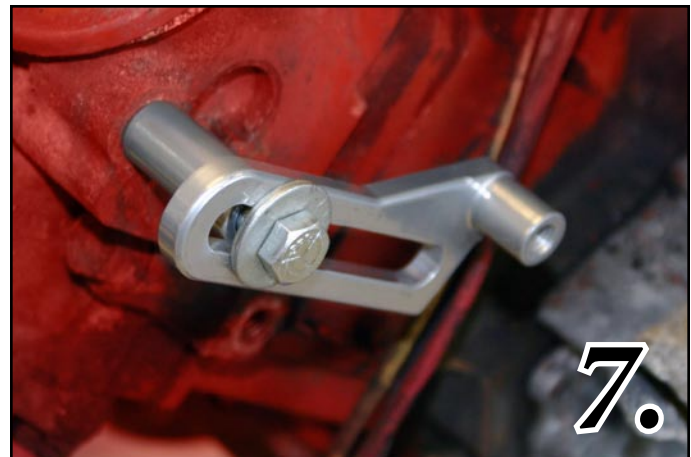


Photo 8 Installing The A/C unit (P412). In the upper slot use a M8 x 35mm SHCS (S553) and a MM100 Bushing. In the Lower Front hole thru the main plate use a M8 x 25mm SHCS (S551)

Photo 8a Tie the Rear A/C ear to the (30413-A) bracket with a $\frac{5}{16}$ x $1\frac{1}{4}$ " SHCS (S148) as Shown. Leave loose at this time.

Place the compressor clutch cover (394-A) onto the compressor clutch and align. Thread the three (3) 6M - 1.0 x 20mm Button Head Bolts (S520). through the cover and into the clutch and tighten. **Caution - Do not over-tighten!**

FOR KITS 17010, WITH POWER STEERING

Photo 9 Mount the Power Steering pump (P313) to the power steering Bracket (17004-A) Using (3) M8 x 25mm SHCS (S551).

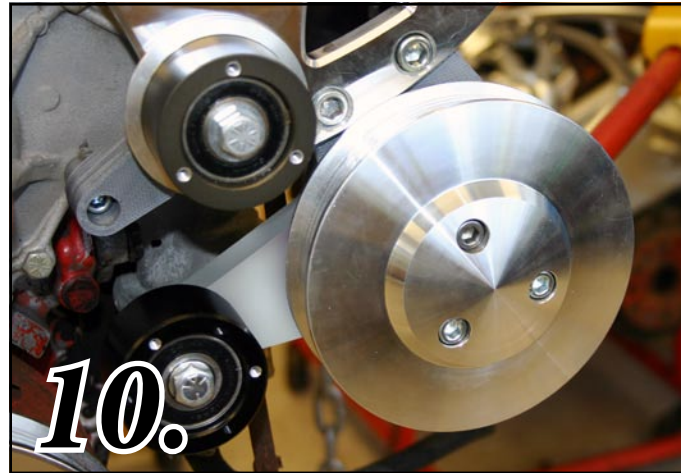
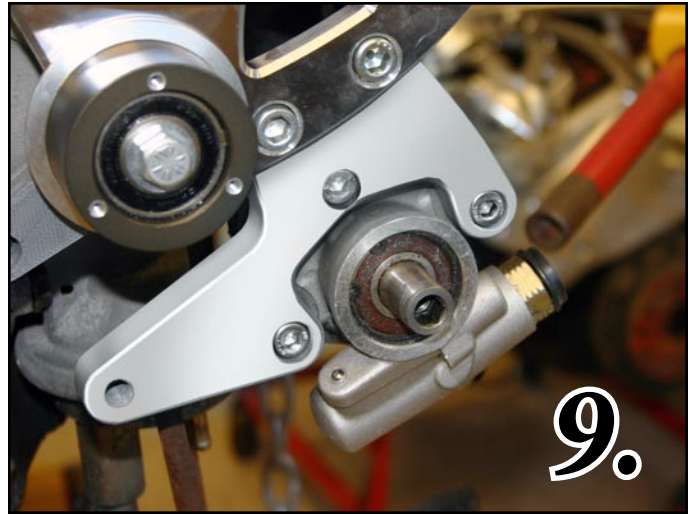


Photo 10 Mount the Power Steering Bracket, and Pump assembly to the Main Front Bracket using (2) $\frac{3}{8}$ x " SHCS (S248). Install the power Steering pulley (If you have this Option) (650-A) using (3) $\frac{5}{16}$ x $\frac{7}{8}$ " SHCS. Mount the Idler (740-A) using a $\frac{3}{8}$ x $1\frac{3}{4}$ " Hex Bolt (S321) and a $\frac{3}{8}$ " Washer (S666), use a .150 Spacer between the bracket and the idler.

Photo 11 Install the Crank Pulley (12021-A) using (6) $\frac{5}{16}$ x $\frac{7}{8}$ " SHCS (S144). Use Loc-Tite Apply Loc-Tite to the threads of the four (S186) $\frac{5}{16}$ x $\frac{7}{8}$ " SHCS. Place the water pump pulley (12022-A) to the water pump and thread the cap screws through pulley and pulley cover (313-A) and into water pump pulley flange, tighten to (28 ft/lbs.)

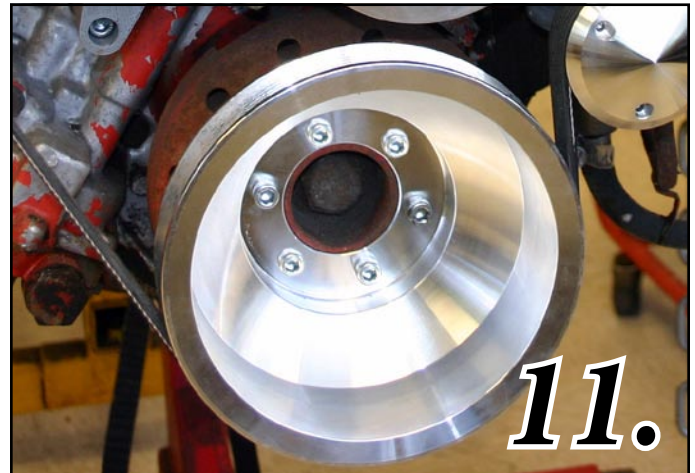


Photo 12 Install alternator fan (221-A) and pulley (208-A) and using a $1\frac{1}{16}$ " lock washer (S685) tighten pulley nut (impact to 90 ft, pounds). Install Alt Cap (307-A) with (3) $\frac{8}{32}$ x 1" SHCS (S028).

Install the (3) Idler Caps (302-A) with the provided $\frac{8}{32}$ " SHCS (S022).



Photo 13: Push the Alternator and A/C units in toward the W/P and mount the drive belt as shown.

81½" belt for kits with power steering. Non power steering kits will bypass the P/S pulley with a shorter 73" belt.



Photo 14: Slip the supplied March Adjustment tool over the (2) (MM100) bushings and use a wrench to turn the adjustment tool outward to tighten the serpentine belt to 100ft. lbs. Use the holes in the adjustment tool to tighten both M8 socket head cap screws when correct belt tension has been achieved. Remove the adjustment tool and keep for future use.

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.***

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.

Limitation on Remedies

REPAIR OR REPLACEMENT AS PROVIDED IN THIS WARRANTY IS YOUR EXCLUSIVE REMEDY. MARCH PERFORMANCE SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGE FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THE PRODUCT. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OF CONSEQUENTIAL DAMAGES SO THE PROCEEDING LIMITATIO OR EXCLUSIONS MAY NOT APPLY TO YOU. YOU HAVE NO RECOURSE OR REMEDY FOR DAMAGE OR DEFECT CAUSED BY MISUSE, ABUSE OR NEGLIGENCE.

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 **