



Kit 21690 Alt & P/S & A/C

Kit 21685 Alt & A/C

Chevy Small Block Mid Mount Alt & A/C & P/S Kit

**21685/21690 KIT
PARTS LIST**

20187 Alt / AC Bracket

- 1-20187-A.....Alt / AC Bracket Body
- 1-20188-B.....Rear AC Support Bracket
- 1-RA-1.625.....Adjustment Rod
- 1-S144.....5/16-18 x 7/8" SHCS
- 2-TP3-1.400.....1.400" Tube Spacer
- 2-S248.....3/8-16 x 1" SHCS
- 1-S244.....3/8-16 x 3/4" SHCS
- 1-P763.....Idler Pulley
- 1-S666.....3/8 Washer
- 1-S321.....3/8 x 1-3/4" Hex Bolt
- 6-S260.....3/8-16 x 2-1/4" SHCS
- 1-S282.....3/8-16 x 6" SHCS
- 1-TP3-3.250.....3.250" Tube Spacer
- 2-S550.....M8-1.25 x 20mm SHCS
- 1-S150.....5/16-18 x 1-1/2" SHCS
- 1-S616.....5/16 Lock Nut
- 4-S667.....3/8 Washer

20162 Power Steering Bracket

- 1-20146-A.....PS Bracket Body
- 1-20175A-09.....Front Lower P/S Bracket
- 1-20175B-09.....Rear Lower P/S Bracket
- 2-S311.....3/8-16 x 3/4" Hex Bolt
- 2-S312.....3/8-16 x 1" Hex Bolt
- 2-S272.....3/8-16 x 3-3/4" SHCS
- 1-AC3-.200.....Spacer Tube .200"
- 2-TP3-1.400.....Spacer Tube 1.400"
- 1-S266.....3/8 x 3" SHCS
- 3-S666.....3/8 Washer
- 4-S664.....3/8 x 1" Washer
- 4-S667.....3/8 x 5/8" Washer

21685 / 21690 Pulley Kit

- 1-6381-A.....Crank Pulley
- 1-6322-A.....Water Pump Pulley
- 1-623-A.....P/S Pulley (21690 Kit)
- 4-S183.....5/16-24 x 5/8" SHCS
- 3-S292.....3/8-24 x 1" SHCS
- 1-206-A.....Alternator Pulley
- 1-S685.....Lock Washer

Accessories

- 1-P216.....Water Pump
- 1-P580.....Alternator
- 1-P425.....A/C Compressor
- 1-P300.....P/S Pump (21690 Kit)
- 1-P419.....A/C Line Adapter

Belt Sizes

21690 Kit Only

35" Belt PS-Crank side

Both Kits

59" Belt Alt-AC side

* -08 Kits are Black

* -09 Kits are Grey

**See our "You Tube" video

(March Performance Mid Mount A/C Kit)

Required Tools and Materials

- RTV Silicone
- Loc-Tite* Thread Locker
- Gasket Scraper, Steel Wool or Sandpaper to clean gasket surfaces
- 3/16" Allen Head Driver
- 5/16" Allen Head Driver
- 1/4" Allen Head Driver
- 6mm Allen Head Driver
- 9/64" Allen Head Driver

- 5/8" Combo Wrench
- 9/16" Combo Wrench
- 11/16" Combo Wrench
- 3/4" Combo Wrench
- Socket Wrench & Extension
- 10mm 12pt. socket
- 12mm 12pt. socket

Photo-1

Install the Water Pump (P216) in the two left mounting holes using two 3/8 x 2-1/4" SHCS (S260). In the two right mounting holes mount the Power Steering Bracket (20146-A) using two Spacer Tubes (TP3-1.400) and two 3/8 x 3-3/4" SHCS (S272).

***Note: If not running Power Steering, mount right side of Water Pump with (S260) Bolts.**

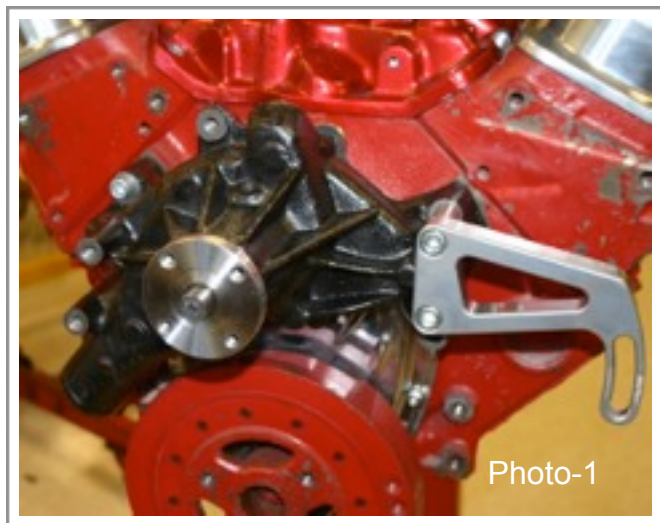


Photo-1

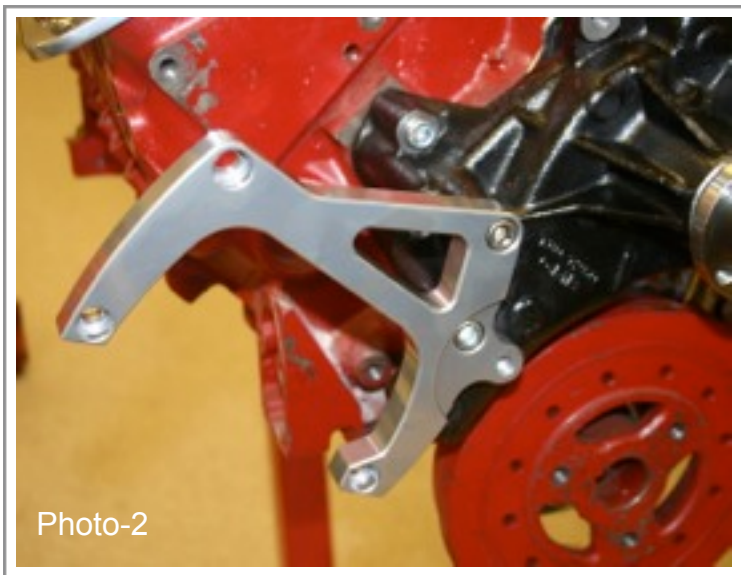


Photo-2

Photo-2

Mount the Alt. & A/C Bracket (20187-A) to the two tapped holes of the Water Pump. Between the Water Pump and Bracket use two 3/8 Washers (S667) on each bolt for Water Pump variations. In the upper hole use a 3/8 x 1" SHCS (S248). In the lower mounting hole use a 3/8 x 3/4" SHCS (S244).



Photo-3

Photo-3

Mount the Idler Pulley (P763) to the Alt/AC bracket using a 3/8 Washer (S666) and a 3/8 x 1-3/4" Hex Bolt (S321).

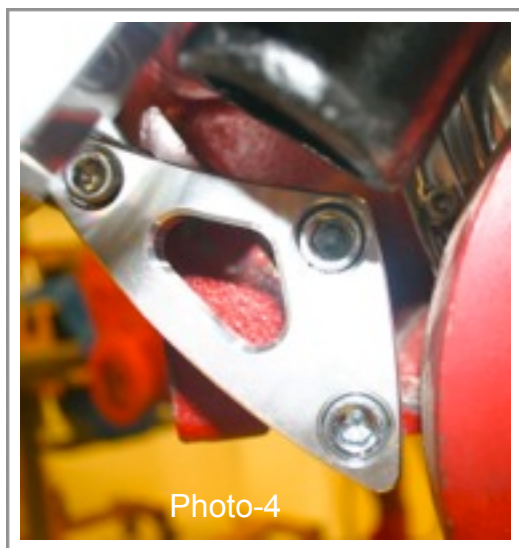


Photo-4

Photo-4

In the lower tapped holes of the block on the Passenger side, mount the rear A/C Support Bracket (20188-B). Use two Spacer Tubes (TP3-1.400) and two 3/8 x 2-1/4" SHCS (S260) between the block and the bracket.

Photo-1

Photo-5

Mount the Alternator (P580) using a 3/8-16 x 6" SHCS (S282). Use a 3.250" Spacer (TP3-3.250) between the Head and the Alt Mounting Ear. Attach the Adjustment Rod (RA-1.625) rod to the tapped hole of the Alt. with a 5/16 x 7/8 SHCS (S144). Attach the other end of the rod to the center tapped hole of the Water Pump with a 3/8-16 x 1" SHCS (S248). Install Alt. Pulley (206-A) using Lock Washer (S685) and lock nut.



Photo-6

Install the Water Pump Pulley (6322-A) with four 5/16-24 x 5/8 SHCS (S183). Now install the Crank Pulley (6381-A) with three 3/8-24 x 1" SHCS (S292).

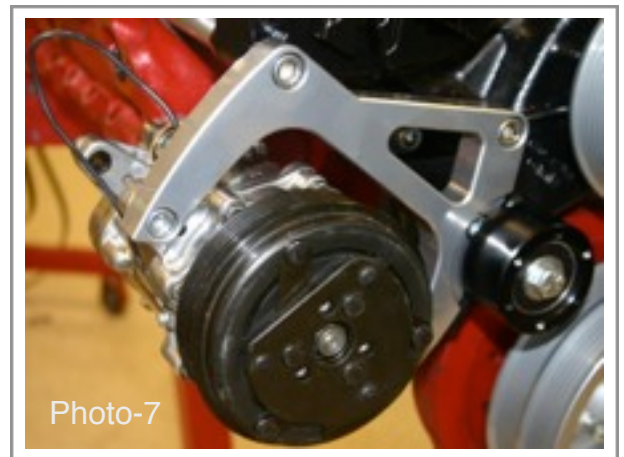
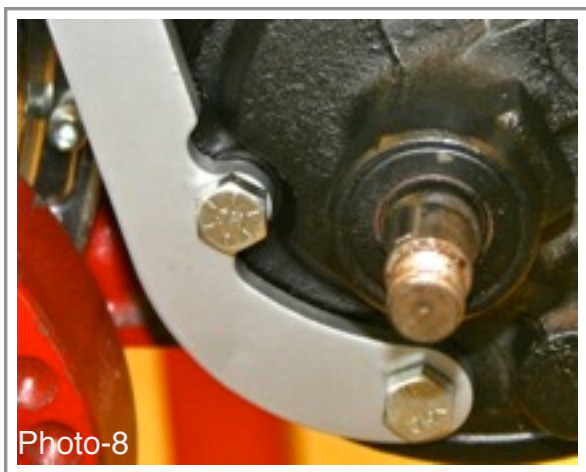


Photo-7

Mount the A/C unit (P425) in the two front mounting holes use two M8 x 20mm SHCS (S550). Tie the rear A/C Ear Support to the Rear Bracket with a 5/16 x 1-1/2" SHCS (S150) and a 5/16 Lock Nut.(S616)



Note: Non-Power Steering Kits skip to Photo 11.

Photo-8

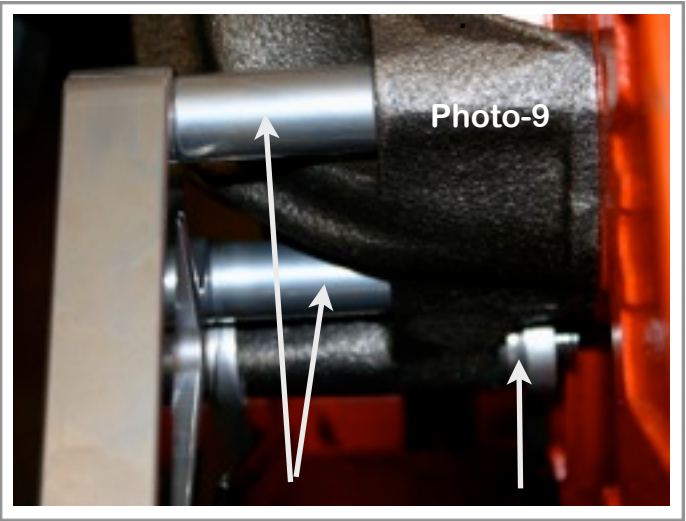
Mount the Front P/S support (20175A-09) to the P/S pump with two 3/8 x 3/4" Hex Bolts (S311). Mount the rear P/S support (20175B-09) with a 3/8 x 1" Hex Bolt (S312). Use a 3/8 washer (S666) between the Rear Support and the P/S Pump.

Photo-9

Install the two lower supports, (20175A-09) front, (20175B-09) rear, with a 3/8 x 3" SHCS (S266). Use the (AC3-.200) Alum Washer between the Rear Support and the Water Pump Mounting Boss. (see side view)

Note: It may be necessary to shift P/S Pump forward or back due to Water Pump variation.

***Extra washers supplied.**



TP3-1.400 Spacers AC3-.200 Washer

Photo-10

Front view of Power Steering after installed.

Use two 3/8 Washer (S666) and a 3/8 x 1" Hex Bolt (S312) thru the slot and into the tapped hole for adjustment. This is the belt Adjustment.



Photo-11

Install a 35." Belt to the P/S Pulley and Crank rear grooves. Tighten Belt.

On the Alt. & A/C side use a 59" Belt. Tighten with the Adjuster Rod. NOTE: It may be necessary to put the belt on the P/S Pulley then slip the Pulley onto the P/S Shaft.



Photo-12

Photo-12 Shows optional Covers that can be added to this kit from March Performance.

NOTE :

Use the provided (P419) line adapters when hooking up A/C Lines. Do not engage A/C while its capped as it will blow the oil seals. Also A/C Unit is Pre- Oiled. Do Not Add Oil.

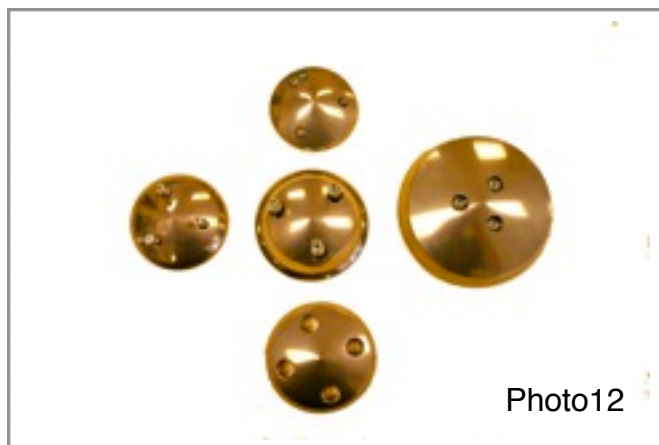


Photo12

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 **