



**PERFORMANCE PULLEYS & BRACKETS**



***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

**Accessories**

- 1-P216.....Water Pump
- 1-P2555-08.....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.**

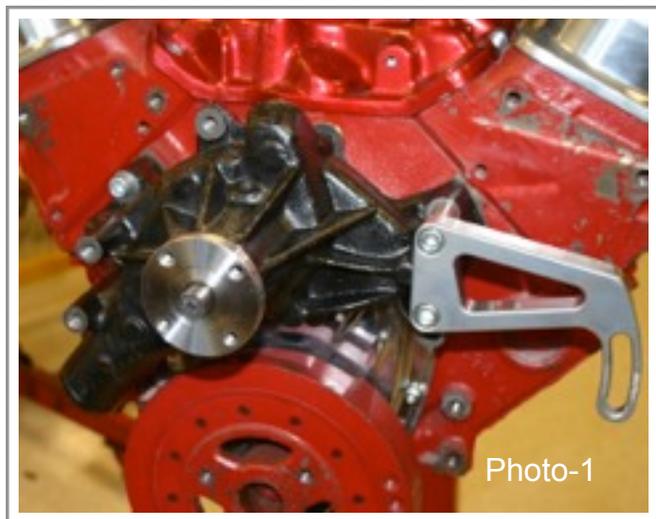


Photo-1

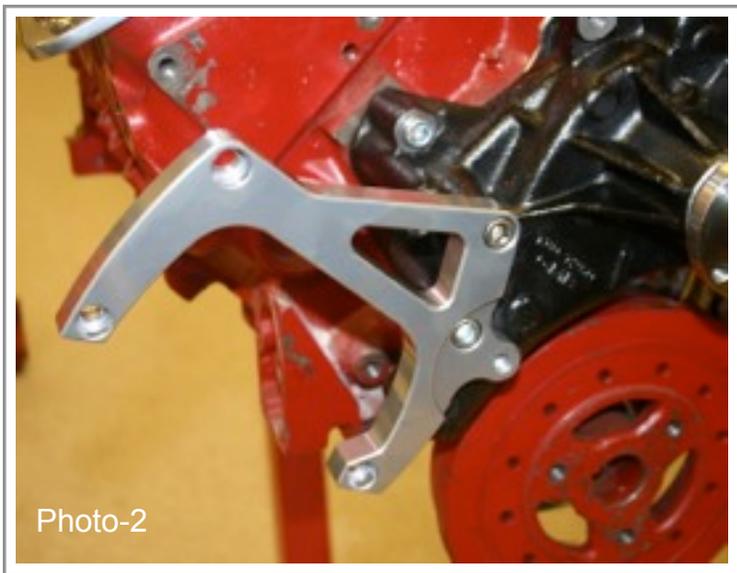


Photo-2

**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).

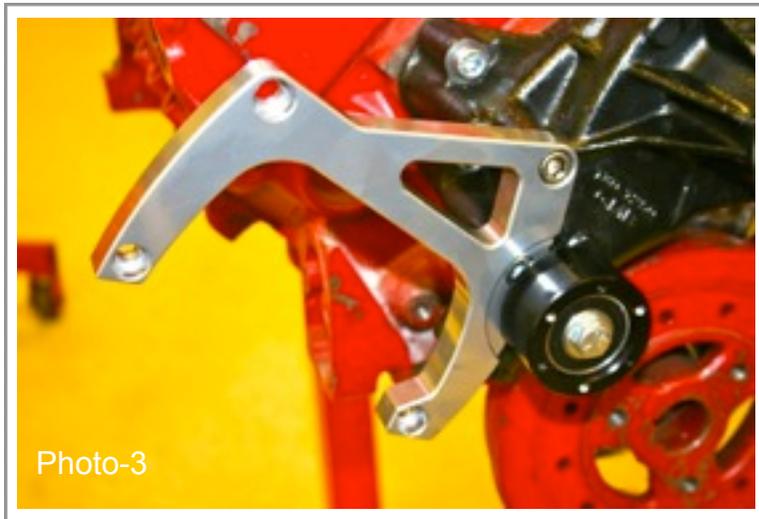


Photo-3

**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).

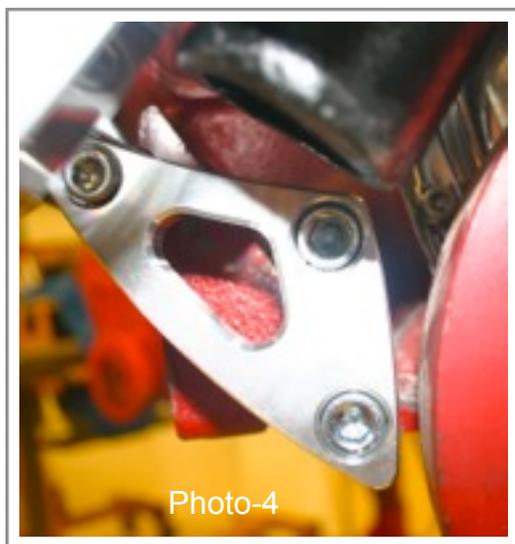


Photo-4

**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 (P2555-08) 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).



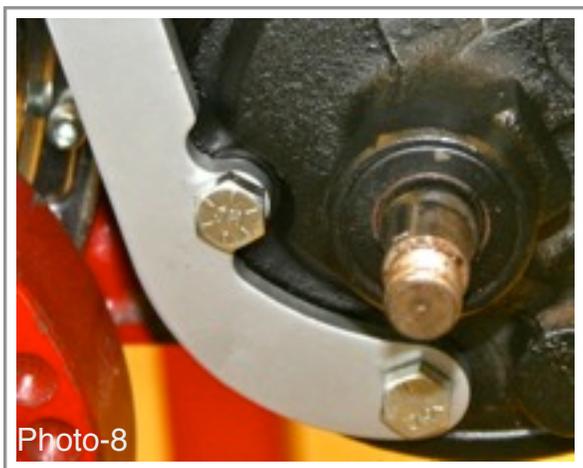
**Photo-7**

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.

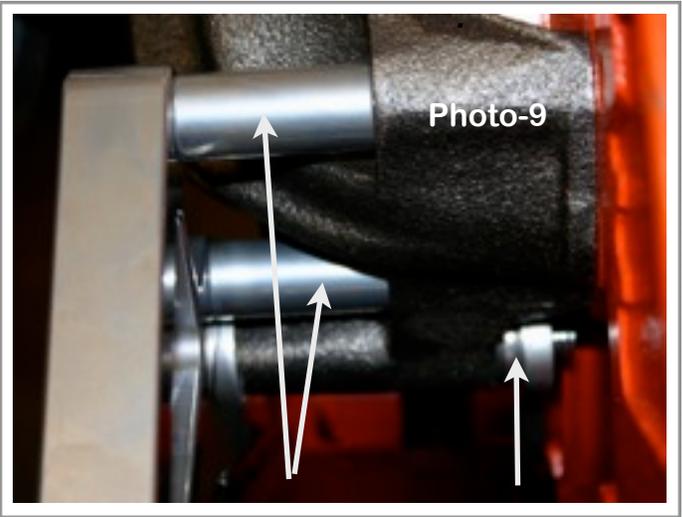


**Photo-9**

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.



**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.