

***13020 - 326-455 Pontiac
Mid Mount A/C & P/S Kit***

13021 Alt & A/C Bracket

1-13021-A	Alt & A/C Bracket
1-13021-B	Alt & A/C Rear Support
1-20140-A	Alt. Re-locator Bracket
1-740-A	Idler Pulley
1-302-A	Idler Pulley Cover
3-S022	8/32" x 3/8" SHCS
1-S144	5/16" x 3-1/2" SHCS
1-S155	5/16" x 2" SHCS
1-S162	5/16" x 3" SHCS
2-S166	5/16" x 3-1/2" SHCS
1-S248	3/8" x 1" SHCS
1-S282	3/8" x 6" SHCS
1-S311	3/8" x 3/4" Hex Head
1-S321	3/8" x 1-3/4" Hex Head
2-S551	M8 x 25mm SHCS
1-S616	5/16" Lock Nut
2-S660	5/16" Flat Washer
2-S666	3/8" Flat Washer
1-RA-1.625	Adjustment Rod
1-TP3-.400	3/8" x .400 Tube Spacer
2-TP3-2.050	3/8" x 2.050 Tube Spacer
1-TP3-3.250	3/8" x 3.250 Tube Spacer
1-TP5-.900	5/16" X .900 Tube Spacer

13022 Power Steering Bracket

1-13022-A	Front Main Bracket
1-13022-B	Rear Support Bracket
1-20176A-09	Front Lower P/S Bracket
1-20176B-09	Rear Lower P/S Bracket
2-S150	5/16" x 1-1/2" SHCS
1-S155	5/16" x 2" SHCS
1-S268	3/8" x 3-1/4" SHCS
1-S276	3/8" x 4-1/2" SHCS
4-S312	3/8" x 1" Hex Head
2-S666	3/8" Flat Washer
3-TP3-.150	3/8" x .150 Spacer
2-TP3-.750	3/8" x .750 Spacer
1-TP3-1.980	3/8" x 1.980" Spacer

Pulley Kit 13020-208

1-13081-A	Crank Pulley
1-13082-A	Water Pump Pulley
1-623_A	P/S Pulley
1-394-A	A/C Clutch Cover
1-360-A	P/S Pulley Nose Cover
1-314-A	W/P Pulley Nose Cover
1-306-A	Alt. Pulley Cover
1-221-A	Alternator Fan
1-206-A	Alternator Pulley
1-S685	Lock Washer
3-S520	M6 x 20mm Button Head Bolts
4-S186	5/16" x 7/8" Fine SHCS
4-S183	5/16" x 5/8" SHCS
4-S144	5/16" x 7/8" Course SHCS
3-S124	1/4" x 3/4" Button Head Bolts
3-S106	1/4" x 1-1/4" SHCS
3-S028	8/32" x 1" SHC

***NOTE:** Inspect all items for any imperfections or shortages of items. If any of those instances do come up, please call our tech line that's listed below. If you prefer a color copy of these instructions, please refer to our website listed below and click the instructions tab on your products web page.

***NOTES:**

This kit uses the following accessories:
 GM 6 and 12 o'clock 7" Alternator
 Saginaw 1971-1976 keyway power steering pump
 Sanden 7176 A/C compressor
Note: The back right ear of compressor must be removed for clearance.

PHOTO-1

Install the crank pulley (13081-A). Use four 5/16" x 7/8" SHCS. (S144). ***NOTE:** If running aftermarket balancer four (S186) 5/16" x 7/8" SHCS fine thread bolts may be needed to bolt crank pulley to balancer. **(Included in kit)**

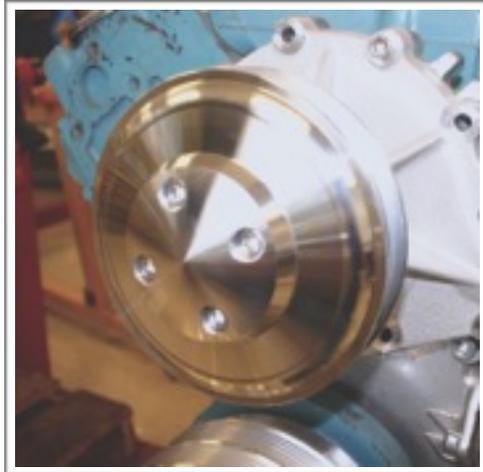
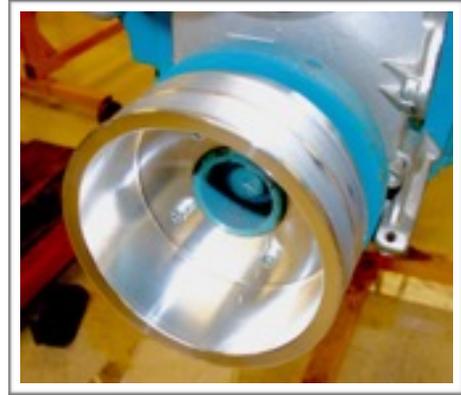


PHOTO-2

Install the water pump pulley (13082-A) And the (314-A) w/p cap using four 5/16" x 5/8" SHCS (S183). ***NOTE:** If using a mechanical fan **DO NOT** install the water pump cap. We **DO NOT** supply bolts for mechanical fans or adapters.

PHOTO-3

Mount the alternator & a/c bracket to the water pump, (13021-A) using two (TP3-2.050) tube spacers between the water pump and the bracket. Secure with two 5/16" x 3-1/2" SHCS (S166). ***NOTE:** Due the variations of varying boss heights of water pumps, call tech line to help with correct spacers for you pump if needed.

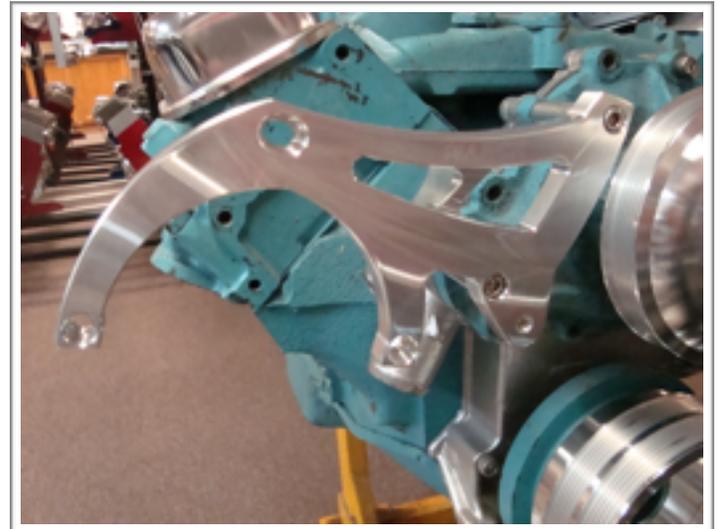


PHOTO-4

Mount the alternator (GM 7") to the alternator bracket. Use a (TP3-3.250) spacer between the alternator ear and the head. Secure with a 3/8" x 6" SHCS (S282). Also install the alternator fan (221-A), along with the alternator pulley (206-A). Securing with the lock washer (S685) and nut. Impact to 90 ft/lbs of torque. Then install the alternator nose cover (306-A), secure with three 8/32 x 1-1/4" SHCS (S028).

PHOTO-5

Mount the (20140-A) alternator re-locator to the alternator with a 5/16" x 7/8" SHCS (S144).

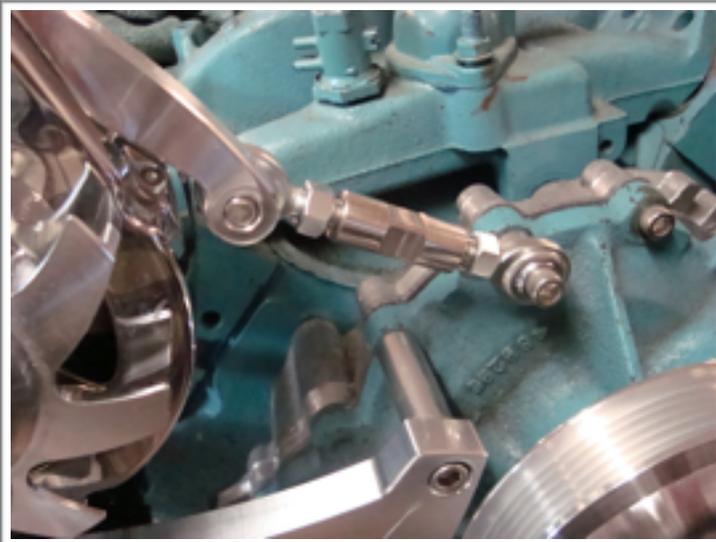


PHOTO-6

Attach the (RA-1.625) adjustment rod to the alternator re-locator with a 3/8" x 1" SHCS (S248) Then attach the other end to the water pump using a 5/16" x 2" SHCS (S155) with a (TP3-.400) tube spacer

PHOTO-7

Mount the a/c compressor rear support bracket (13021-B) to the head. Use a 3/8" washer (S666) with a 3/8" x 3/4" hex bolt (S311). Leave finger tight until attaching it to the compressor.



PHOTO-8

Install the a/c unit to the main bracket using two M8 x 25 MM SHCS (S551). Add the a/c clutch cover (394-A) use three (S124) button heads or three (S520) metric button heads depending on your clutch. ***NOTE:** Due to clearance, inner rear ear must be **REMOVED** to clear hose outlet.

PHOTO-9

Attach the rear a/c support to the rear a/c compressor ear using a 5/16" x 3" SHCS (S162) and a 5/16 lock nut (S616). Place a (TP5-.900) spacer between bracket and a/c ear. Also use two 5/16" washers one on each end (S660) as shown.



PHOTO-10

Mount the (740-A) to the front of the alternator & a/c bracket using a 3/8" washer (S666) and a 3/8" x 1-3/4" Hex bolt (S321). Leave idler pulley cover off at this time.

PHOTO-11

Mount the power steering lower support brackets. The front bracket (20176A-09) mounts to the pump using two (TP3-.150) spacers and two 3/8" x 1" hex bolts (S312). The rear support (20176B-09) mounts with a 3/8" washer (S666) for spacing then the bracket. Secure with a 3/8" x 1" SHCS (S312).



Front View of pump



Rear view of pump

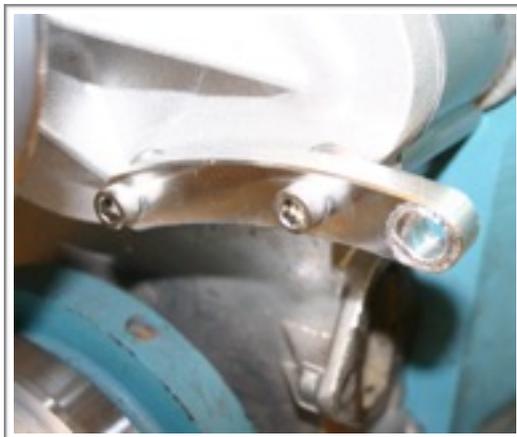


PHOTO-12

Next mount the power steering rear support bracket (13022-B) to the water pump using two 5/16" x 1-1/2" SHCS (S150). ***NOTE:** Due to water pump boss heights variations, spacer (TP3-.150) may be needed to align bracket to front bracket. If others sizes are needed call our tech line.

PHOTO-13

Mount the power steering lower supports to the lower bracket on the water pump. Use a 3/8" x 3-1/4" SHCS (S268) and a (TP3-1.980) spacer tube as shown.



PHOTO-14

Mount the main power steering bracket (13022-A) to the water pump. In the upper hole will use a 5/16" x 2" SHCS (S155) while the lower hole will use a 3/8" x 4-1/2" SHCS (S276). Space the bracket from the water pump with two (TP3-.750) spacer tubes.

PHOTO-15

Now secure the pump and front main bracket using a 3/8" x 1" hex bolt (S312) with a 3/8" washer (S666) running the bolt thru the slot into the upper tapped hole of the power steering pump as shown.

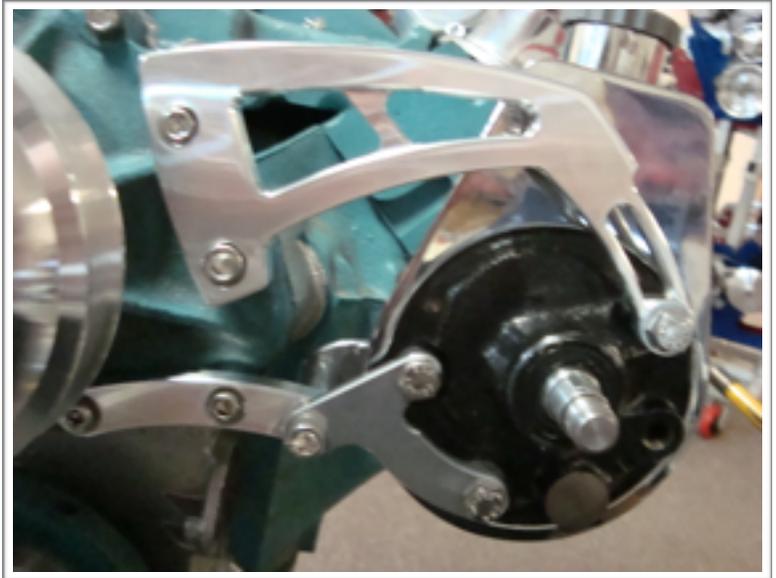
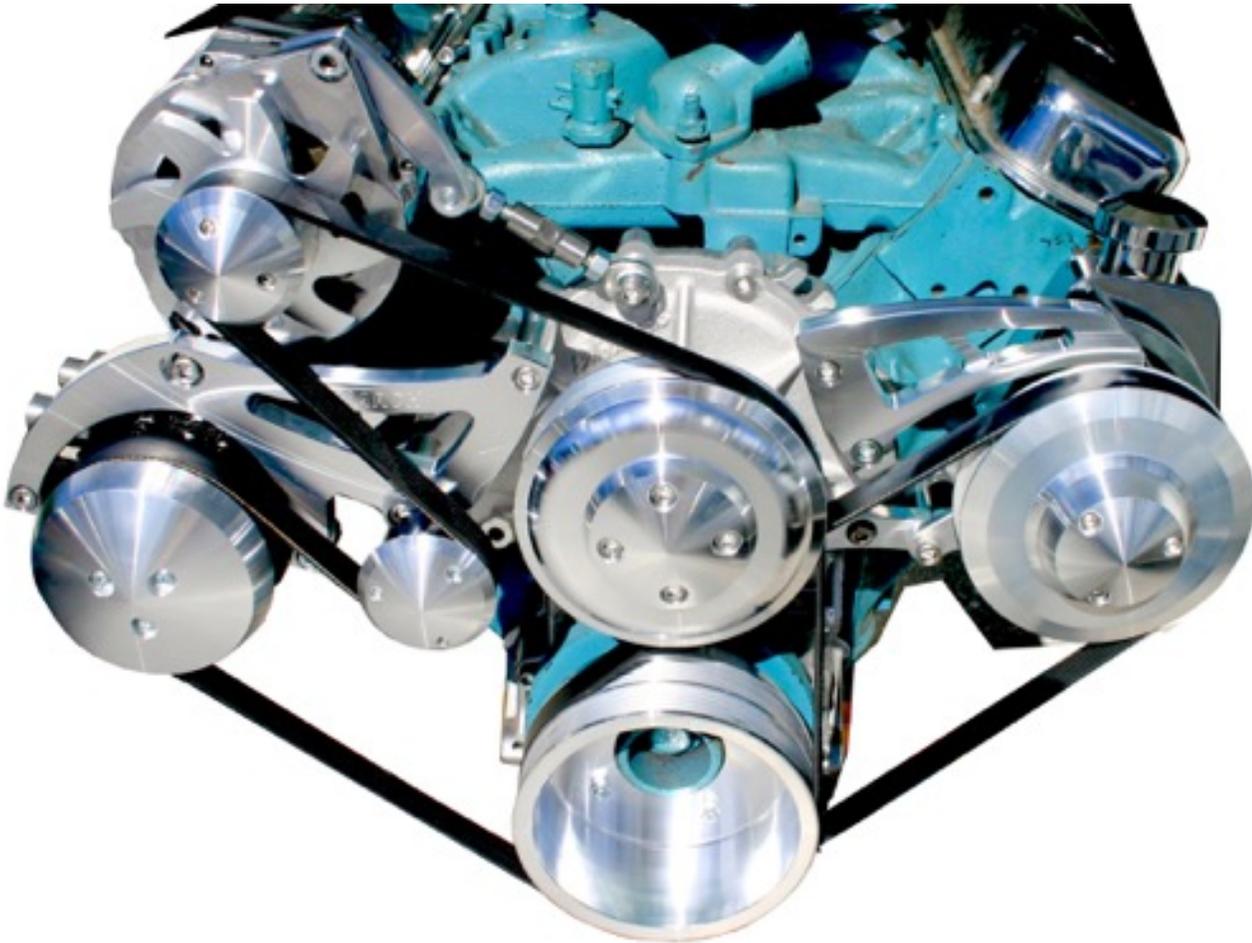


PHOTO-16

Install the power steering pulley (623-A) to the keyed shaft. Secure with the threaded lock nut. Then add the (360-A) nose cover using three (S106) 1/4" x 1-1/4" SHCS.

Photo-17

First install the power steering belt 42" (5060420) Dayco, pulling up on the pump to tighten. Next add the alternator & a/c drive belt 65" (5060650) Dayco, use the adjustment rod to tighten the belt. After front belt is installed, install idler pulley cover (302-A) and tighten with three 8/32" x 3/8" (S022) bolts. ***NOTE:** Due to belt variations, it may be necessary to remove adjustment rod to install belt. Then pull up on alternator and re-install adjustment rod, then tighten.



**After Installation is complete double check all bolts and belt alignment
Start your vehicle and let it idle and check for proper tracking.**