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Installation Instructions for K10700 A/C Bracket for LS truck engines and LS3 Camaro engines

Scan for
installation video



Kit contents:

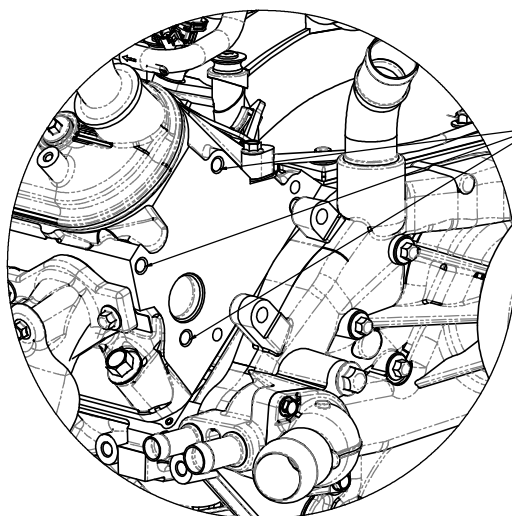
- Mounting plates
- Spacer tubes
- Fasteners
- Tensioner

Additional parts required:

- Belt. See chart below and pictures on page 3
- Sanden AC "mini" compressor SD7B10, model 7176

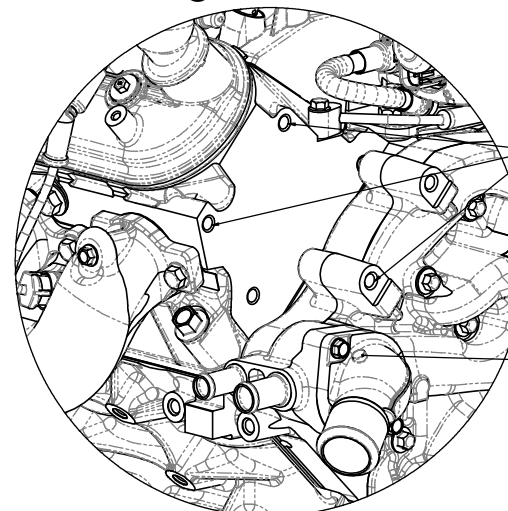
Suggested belt length and Gates PN - K10291 AC bracket					
Alternator (see diagram on page 3)	Factory GM truck Alt/PS bracket and PS pump	Kwik Alt/PS bracket K10168 with 10206-06 pump	Kwik Alt/PS bracket K10611 with P-series pump	Factory LS3 Camaro Alt/PS bracket and PS pump	Kwik idler relocation kit K10618
"Small" 105 amp truck alternator or PowerMaster	103-5/8" K061031	88-1/8" K060875	88-3/8" K060878		88-3/8" K060878
"Large" 130 amp truck alternator	104-1/4" K061037	88-7/8" K060882	89-1/2" K060888		89-1/8" K060885
LS3 Camaro alternator				95-1/4" K060947	

Truck engine attachment points



Bracket attaches to truck engine using these 3 threaded holes in the head.

Camaro engine attachment points



Bracket attaches to Camaro engine using these two threaded holes in the head and one threaded hole in the water pump.

Note:
Camaro engine cover will require some trimming to clear the compressor.

Note:
This boss on the Camaro thermostat housing must be removed for tensioner clearance.

K10700 AC bracket instructions



Step 1a (Truck water pump)

Bolt bracket to passenger side head.

Leave bolts loose.

Two upper M10x140mm bolts screw into head on both the truck and Camaro engines

1" OD x 1-7/8" long tubes

1" OD x 2-5/8" long tubes

Note:

This long 3/4" OD tube and 140mm bolt is used with truck water pump. Bolt screws into head.

Do not use with 2010+ Camaro water pump

Step 1b (Camaro water pump)

Bolt bracket to passenger side head and water pump.

Leave bolts loose.

Two upper M10x140mm bolts screw into head on both the truck and Camaro engines

1" OD x 1-7/8" long tubes

1" OD x 2-5/8" long tubes

Note:

This short tube and 40mm bolt is used with LS3 Camaro water pump. Bolt screws into water pump.

Do not use with truck water pump

Note:

Two short tubes are supplied:

The 3/4" OD tube is for GM water pump only.

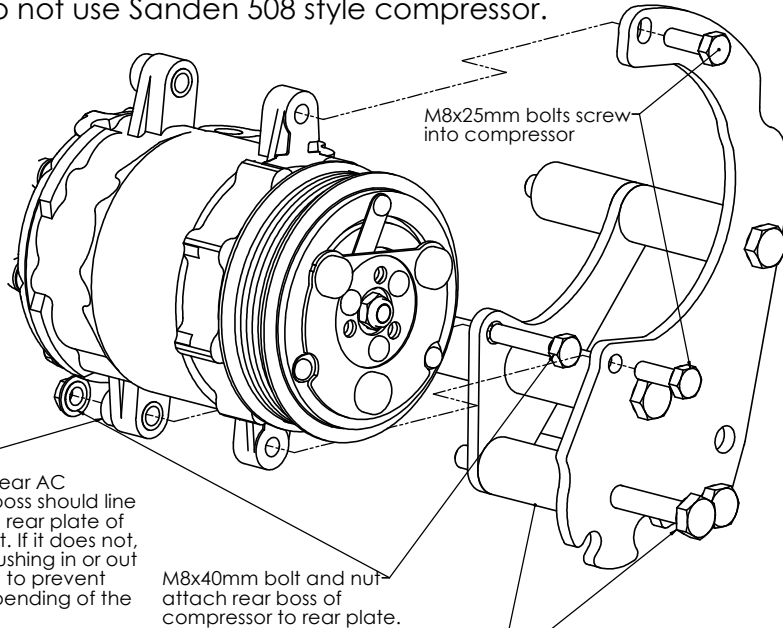
The 1" OD tube (slightly longer) is for Gates water pump only.

Choose the appropriate diameter tube.

K10700 AC bracket instructions



2. Attach Sanden SD7B10, model 7176 mini-compressor
Do not use Sanden 508 style compressor.



Note:
Bushing in rear AC mounting boss should line up with the rear plate of the bracket. If it does not, push the bushing in or out as required to prevent excessive bending of the rear plate.

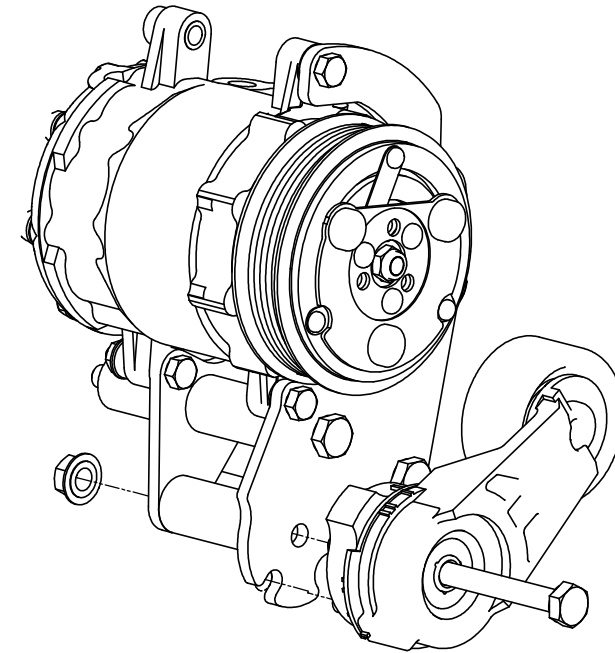
M8x40mm bolt and nut attach rear boss of compressor to rear plate.

Note:
Temporarily install M10x140mm bolt and 1" OD x 2-5/8 tube until ready to install tensioner (step 4). This holds the tube in place.

3. Tighten bolts

1. **Lift up on the compressor** to take the weight off the bolts while snugging the bracket and compressor in place.
2. Tighten the 2 upper head bolts.
3. Tighten either the third head bolt (truck engine) or the water pump bolt (Camaro engine).
4. Let go of the compressor and let it rest in the bracket.
5. Tighten the 2 front compressor bolts.
6. Tighten the rear compressor bolt.
7. Torque 10mm bolts to 37 ft-lbs.
8. Torque 8mm bolts to 15 ft-lbs.

4. Attach tensioner with M10x140mm bolt and 10mm nut. Tighten to 37 ft-lbs.





5. Install belt

See page 1 for belt length recommendations

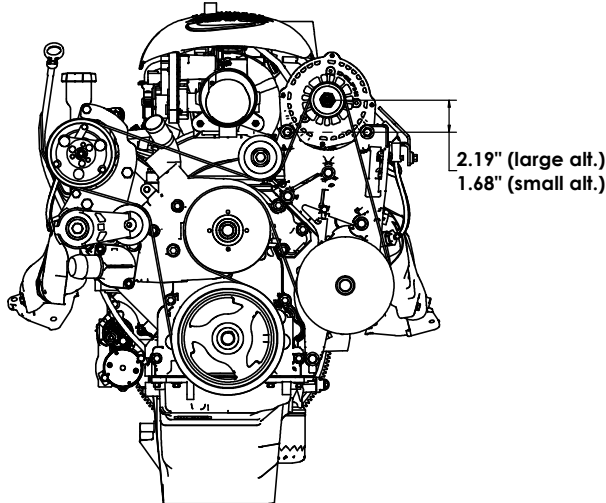
Note:

For best performance and longest life, the belt lengths suggested by Kwik Performance are the shortest belt that can be reasonably installed.

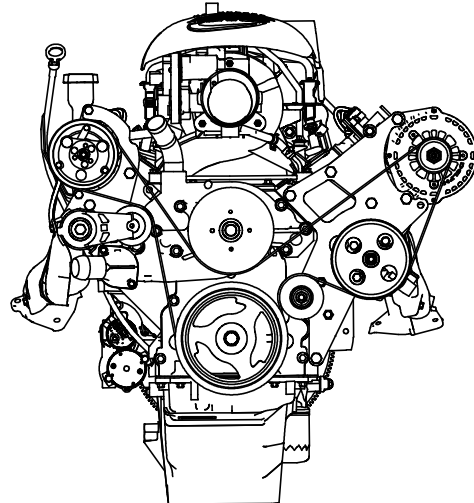
We recommend the following procedure:

1. When installing the serpentine belt, place the belt around all pulleys as shown in the diagrams except for the idler pulley (truck engine) or water pump pulley (Camaro engine).
2. Check to make sure that the belt is seated all the way in the grooves of each grooved pulley.
3. Retract the tensioner all the way and slip the belt onto the idler pulley or water pump pulley.
4. Release the tensioner.

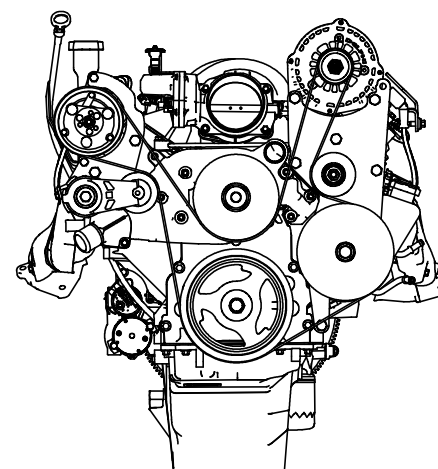
Belt path and alternator size
(truck engine)



Belt path
(with K10168 bracket)



Belt path
(with K10611 bracket)



Belt path
(LS3 Camaro engine)

