



Installation Instructions for K10471 A/C Bracket for LS engines with F-body or GTO balancer

Kit contents:

- Mounting plates
- Spacer tubes
- Fasteners
- Idler pulley
- Tensioner

Additional parts required:

- Belt. See chart below.
- AC compressor, Sanden "508" style. Typical SD5 Sanden part number is 6629. However, we recommend the SD7 Sanden part number 4665 for smoother operation and less vibration.

Suggested belt length and Gates PN - K10471 AC bracket - Camaro spacing				
Factory GM Alt/PS bracket and pulley	Kwik Performance Alt/PS bracket K10167			Kwik Performance alternator only bracket K10194
	6.7" diameter power steering pulley	6.0" diameter power steering pulley	5.5" diameter power steering pulley	
100.25" K060997	99" K060984	98.13" K060975	97.13" K060966	92.13" K060915

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1. Install bracket bolts in head

Leave bolts finger tight to allow adjustment.

Rear plate

1" OD x 13/16" Tubes

1" OD x 2-3/8" tube

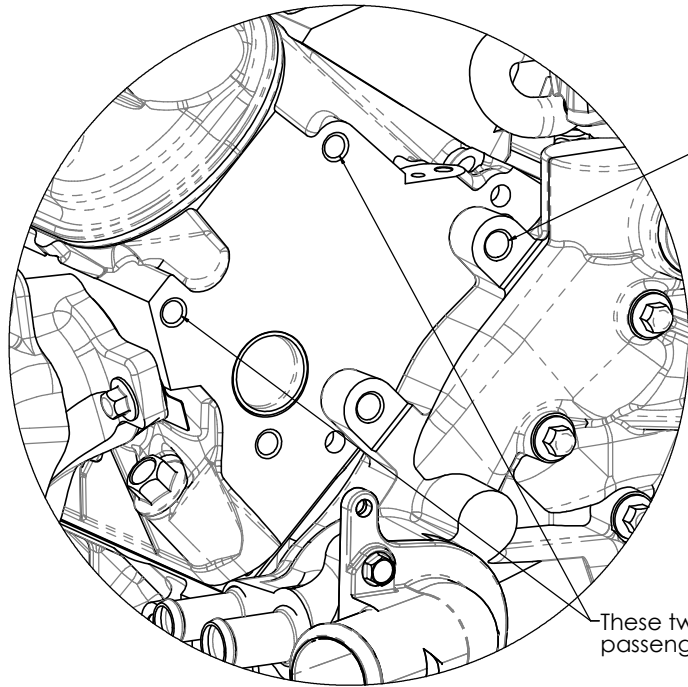
Water pump brace

1" OD x 1/2" tube

1" OD x 3" tube

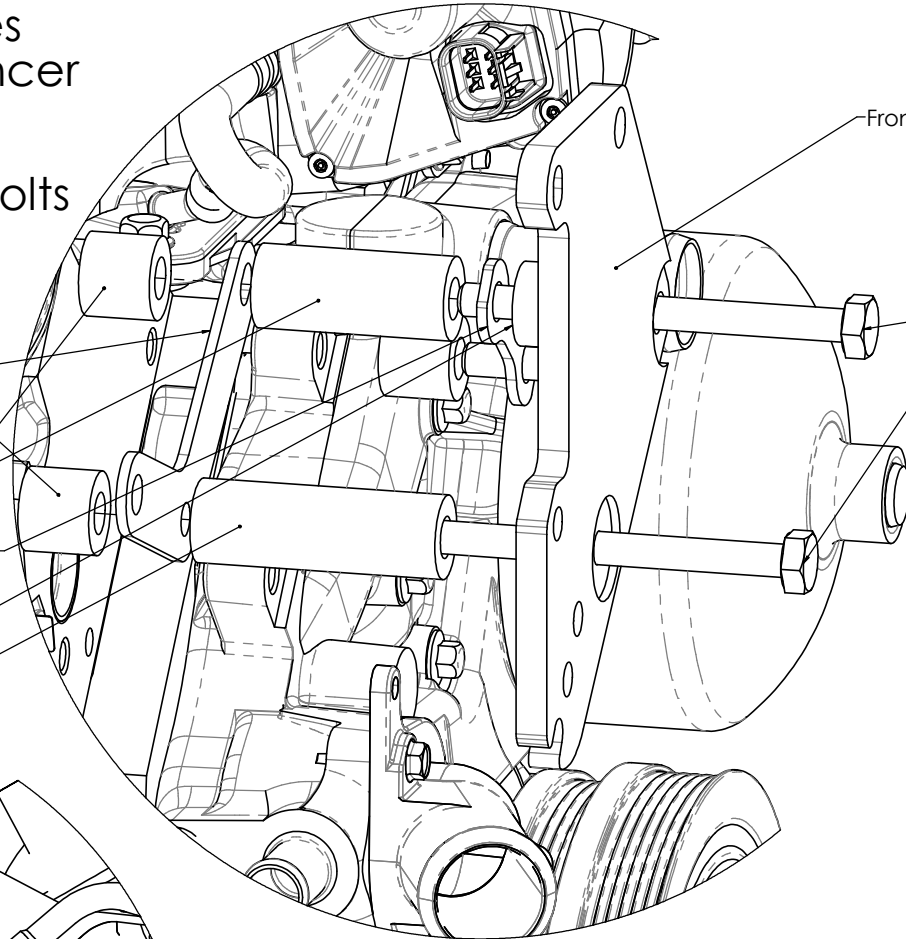
Front plate

M10x120mm bolts
screw into head
until finger tight.



This threaded hole in the water pump will be used

These two threaded holes in the passenger side head will be used



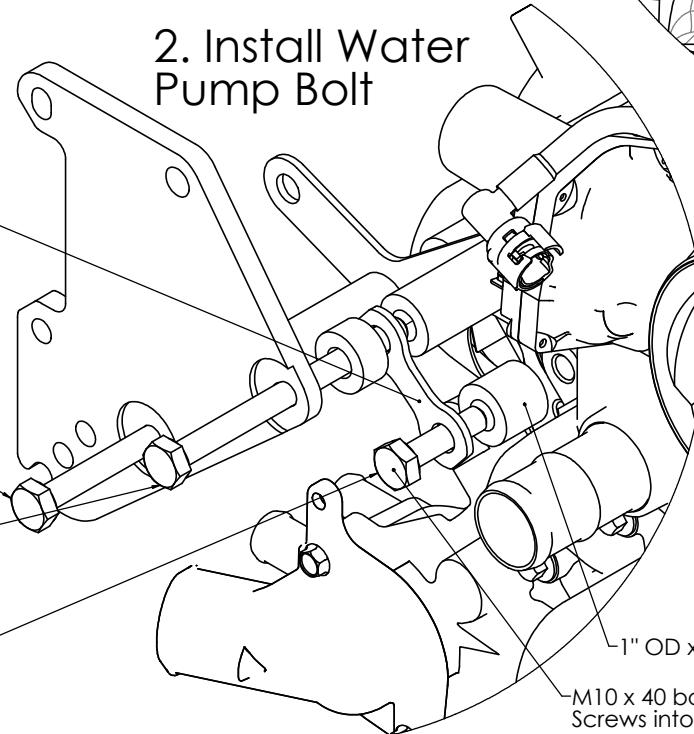
2. Install Water Pump Bolt

Water pump brace

After all 3 bolts are installed finger tight, lift up on the front plate to take the weight off the bolts, and tighten this bolt first.

After the first head bolt is tightened, tighten this head bolt second.

After the two head bolts are tightened, tighten the water pump bolt third.



1" OD x 13/16" tube

M10 x 40 bolt
Screws into water pump

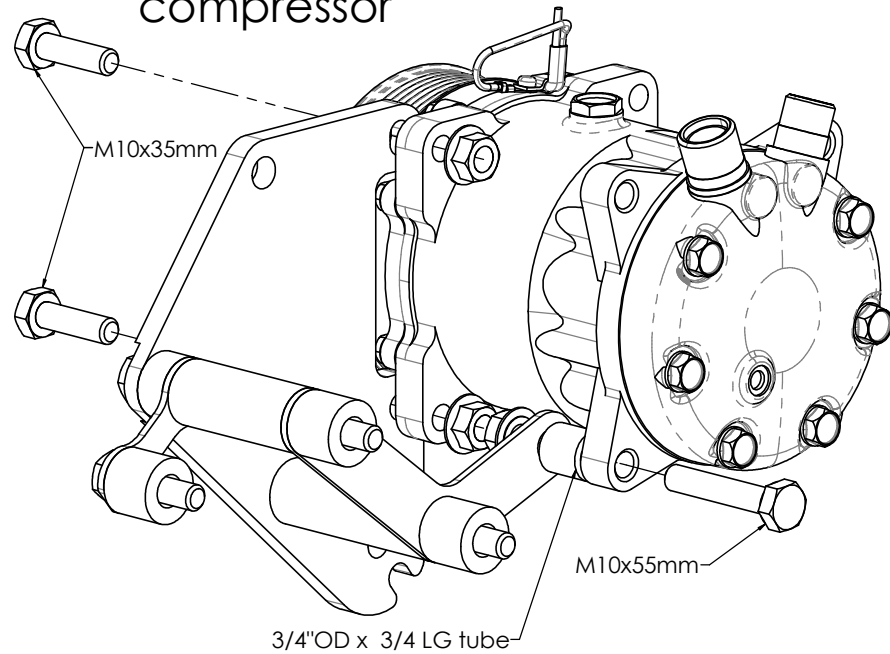
3. Bolt torque

Tighten 10mm fasteners to 37 ft-lbs (50 N-m),

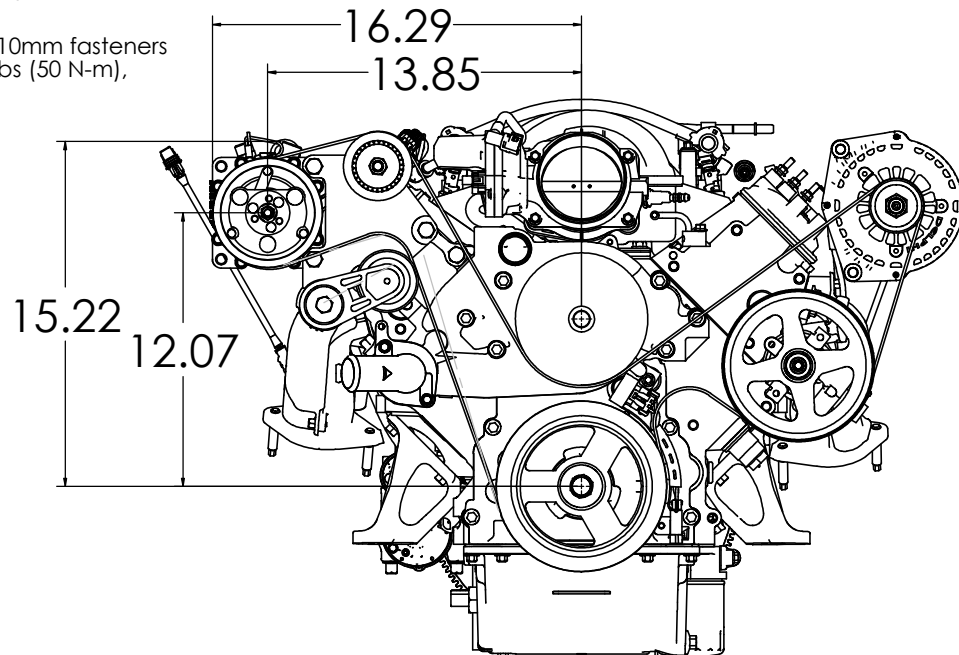
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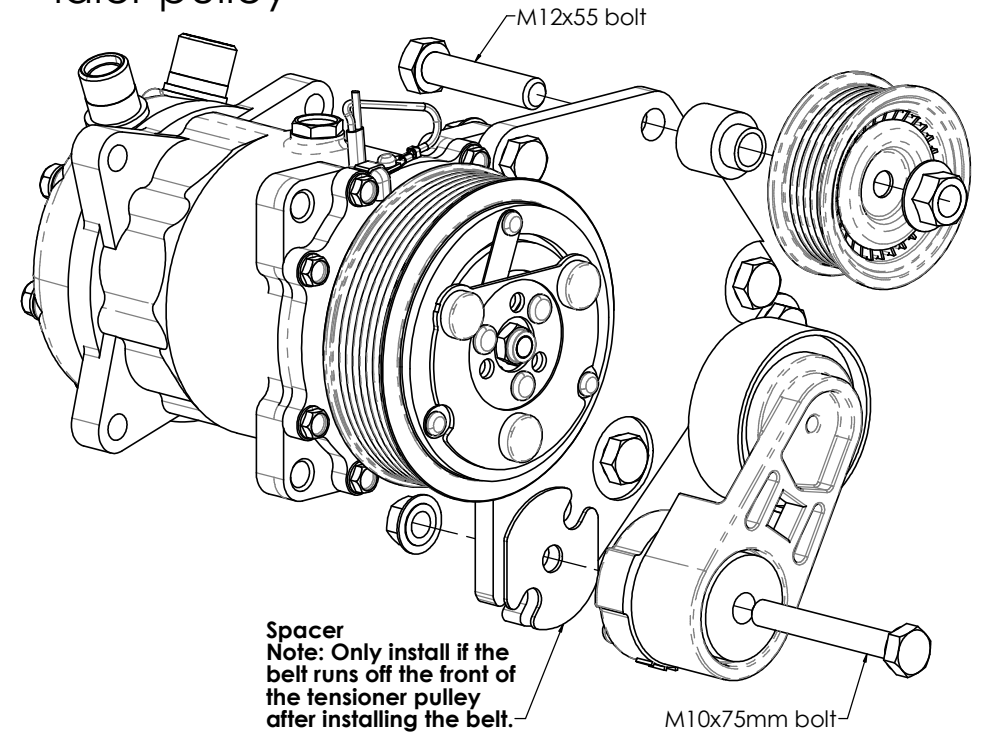
4. Install compressor



Tighten 10mm fasteners to 37 ft-lbs (50 N-m).



5. Install tensioner & idler pulley



Tighten 10mm fasteners to 37 ft-lbs (50 N-m),
Tighten 12mm fasteners to 50 ft-lbs (68 N-m).

6. Install belt

See page 1 for belt length recommendations

Note:
Install belt in rear 6 grooves of 7 groove 4665 compressor.
Install belt in middle 6 grooves of 8 groove 4711 compressor.

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 diagram except for the water pump pulley.
2. Check to see that the belt is in the correct grooves of the AC compressor.
3. Check to make sure that the belt is seated all the way in the grooves of each grooved pulley.
4. Retract the tensioner all the way and slip the belt onto the water pump pulley.
5. Release the tensioner.