

Installation Instructions for K10623

GM R4 AC compressor bracket for LS truck engines

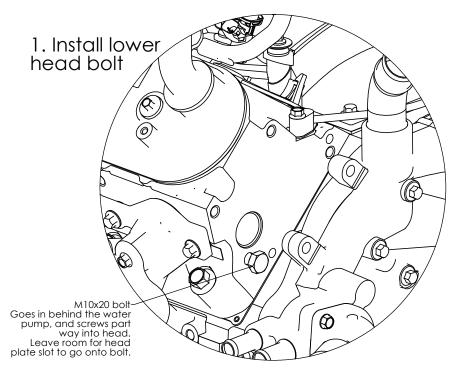
Kit contents:

- Mounting platesSpacer tubes
- Fasteners
- Tensioner

Additional parts required:

- Belt. See chart at right.
 GM R4 AC compressor.
- When using a cast factory GM truck alternator and power steering bracket, a 90mm smooth pulley (Gates 38006 or equivalent) is needed to replace the factory 76mm pulley. See step 8 on page 4.

Suggested belt length and Gates PN - K10623 GM R4 AC bracket				
Alternator (see illustration on page 4)	Alternator and power steering bracket			
	Factory GM truck Alt/PS bracket and power steering pulley	Alt/PS bracket	Alt/PS bracket K10611 with P-	Factory GM truck Alt/PS bracket and power steering pulley with K10618 idler relocator
"Small" alternator -GM 105 amp or PowerMaster	105.0" K061045	90.63" K060900	90.63" K060900	90.63" K060900
"Large" alternator -GM 130 amp or higher	106.38" K061058	90.88" K060905	91.75" K060911A	91.75" K060911A



2. Install head plate. Head plate-2a. Slide the slot in the head plate onto the lower bolt. 2b. Align these 2 holes to the head by installing two M10x140 bolts. Screw the 2 bolts into the head as far as you can, but only finger 0 2c. With the two M10x140bolts installed, tighten this M10x20 bolt to 37 ft-lbs. 2d. Remove the two M10x140 bolts.

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Installation Instructions for K10623 4. Install upper tubes. Install bolts loosely at this time to allow installation of the AC compressor 3. Install plates and lower tubes onto rear plate Middle plate-Front plate Middle plate 2 tubes-1" OD x 15/16" long -Rear plate 0 -Align the curved area of the plates Tube, 1" OD x 15/16" long Tube, 1" OD x 3-1/16" long Bolt and washer assembly, M8x130 Screws into rear plate Leave finger tight. Plates must be free to move to allow easy 2 tubes-1" OD x 3-1/16" long installation of the AC

Front plate-

compressor in step 5.

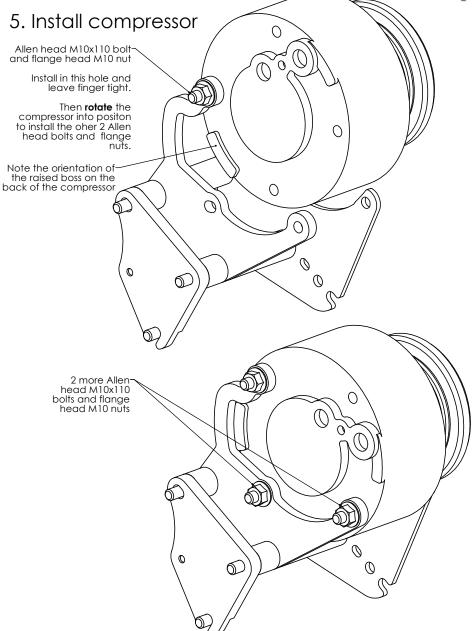
Page 2

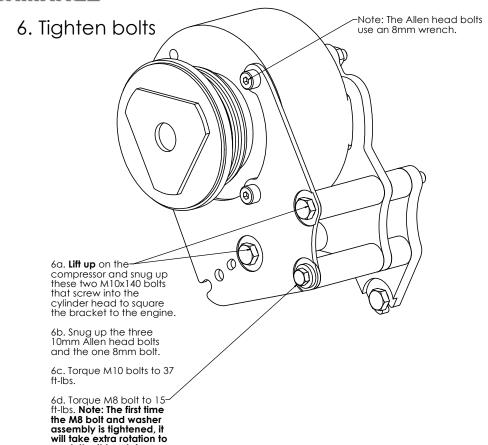
-2 bolts, M10x140 Screw into head. **Leave finger tight. Plates**

must be free to move to allow easy installation of the AC compressor in step 5.

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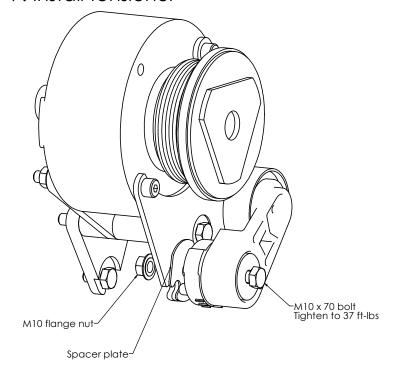
crush the thin retainer

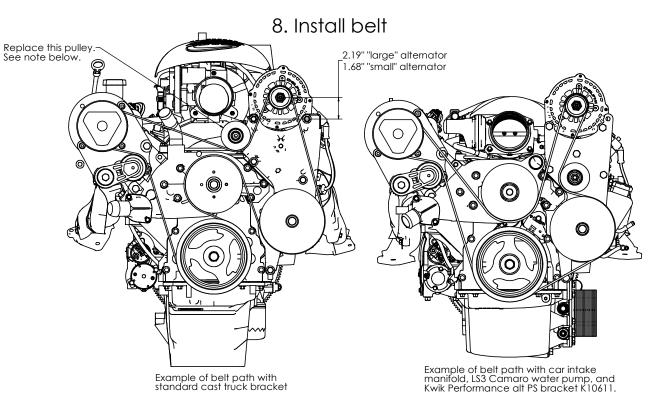
washer.

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7. Install tensioner





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.

Kwik Performance alt PS bracket K10611.

Note: When using the factory cast alternator bracket (above, left), the smooth 90mm diameter idler pulley assembly that is next to the alternator must be removed, and the mounting pedestal removed from this idler pulley assembly. The pedestal is then mounted on a Gates 38006 (or equivalent) 76mm smooth pulley. This new idler pulley is not included with this bracket, and should be purchased along with the proper belt.

- 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 smooth idler pulley (like the truck engine, above left), or the water pump pulley (like LS3 Camaro, above right).
- 2. Check to make sure that the belt is seated all the way in the grooves of each grooved
- 3. Retract the tensioner all the way and slip the belt onto the water pump pulley or the smooth idler pulley.
- 4. Release the tensioner.

Page 4