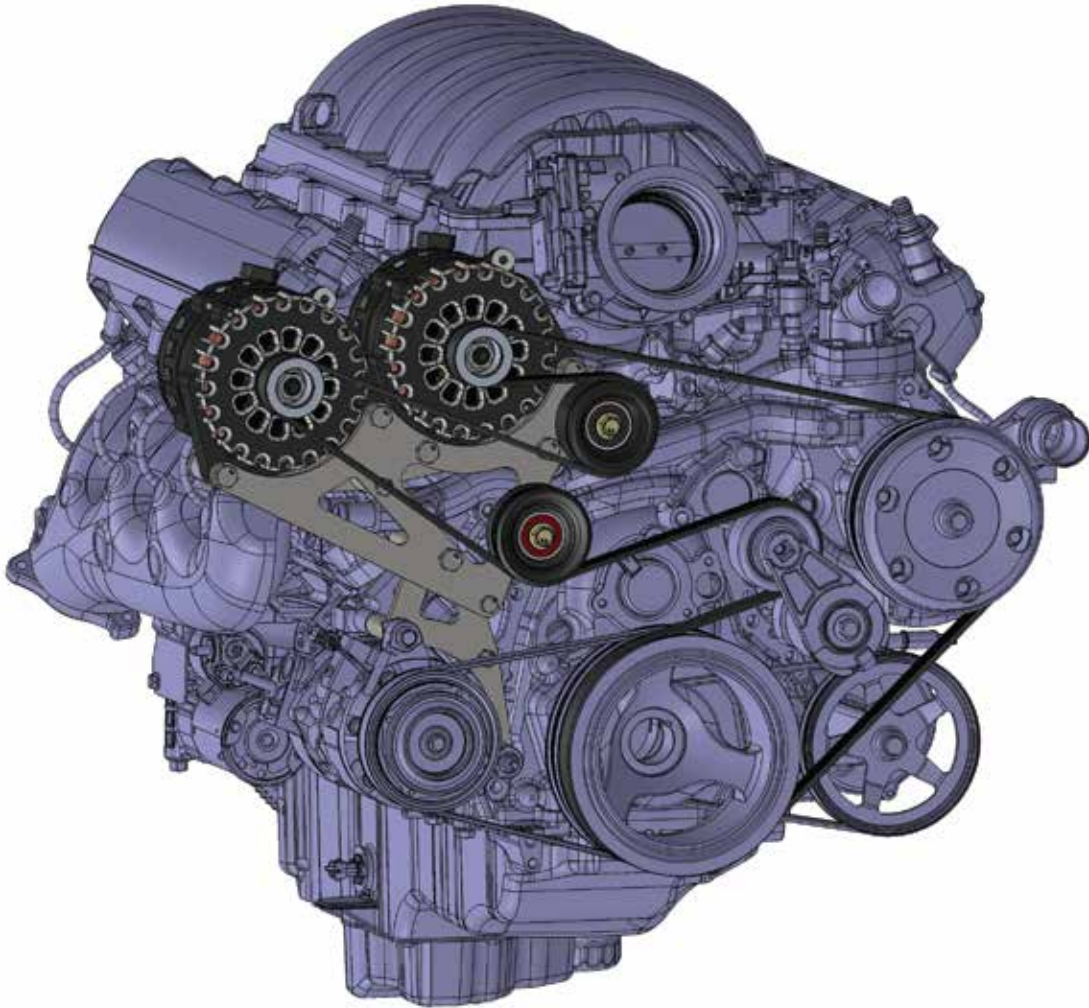


Dual Alternator Bracket for 2014 - 2018 LT Engines



If you are experiencing problems upon installation—
DO NOT RETURN THIS PRODUCT!

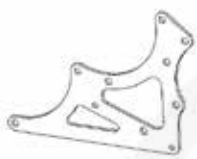








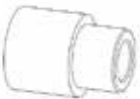
Most installation problems can be easily solved.

First contact technical support at:

Service@mechman.com

1 (888) MECHMAN or 865-522-6166

Included Components:

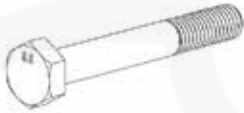
	Primary Bracket	1x
	Secondary Bracket	1x
	AC Bracket	1x
	Smooth Idler Pulley	1x
	Grooved Idler Pulley	1x
	Serpentine Belt (102.1")	1x
	2" Spacer	4x
	2.6" Spacer	4x
	1.937" Spacer	4x
	Step Spacer	2x

Included Hardware



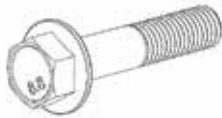
M10-1.5 x 150mm Hex Bolt

3x



M10-1.5 x 75mm Hex Bolt

3x



M10-1.5 x 50mm Flanged Hex Bolt

2x



M8-1.25 x 150mm Hex Bolt

1x



M8-1.25 x 130mm Hex Bolt

1x



M8-1.25 x 70mm Hex Bolt

1x



M10-1.5 Nylock Nut

5x

Required Tools

1/2" Breaker Bar

Ratchet

17mm Socket

17mm Wrench

15mm Socket

13mm Socket

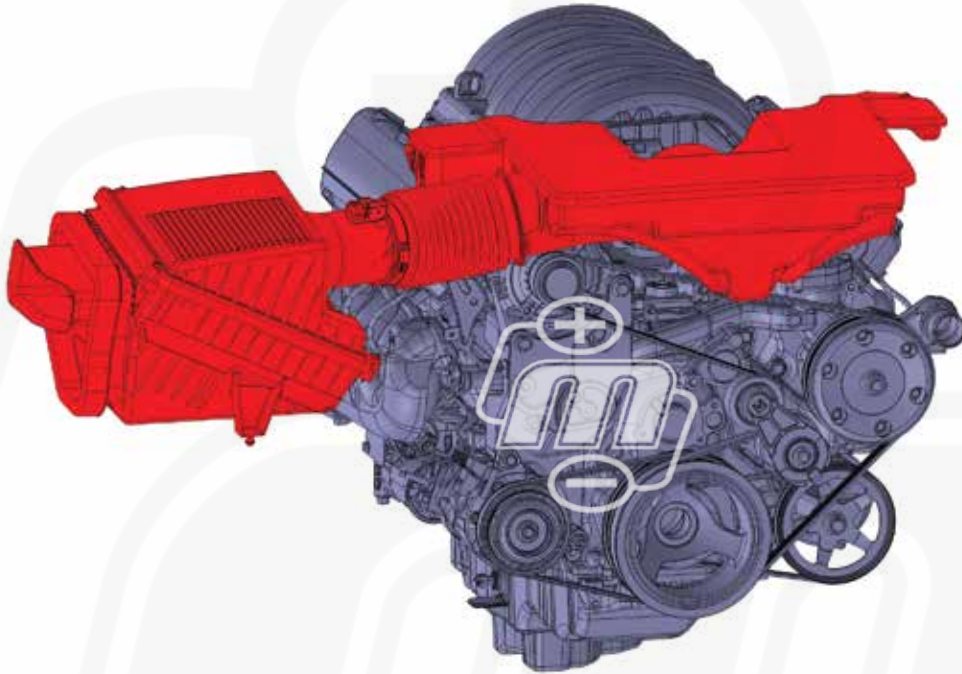
5mm Socket

Pliers

Disassembly Instructions:

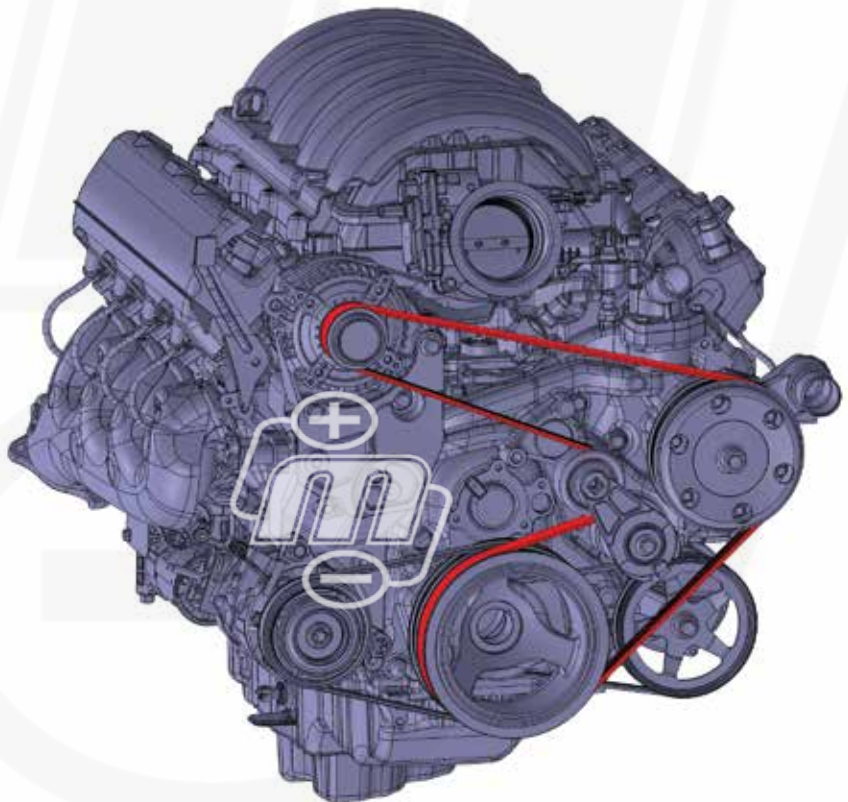
Step 1: Remove the Factory Air Box

Remove the Air Box. See your vehicle's service manual for the removal process if needed.



Step 2: Remove the Factory Accessory Belt

Use a 1/2" breaker bar on the belt tensioner to remove the accessory belt from the engine.

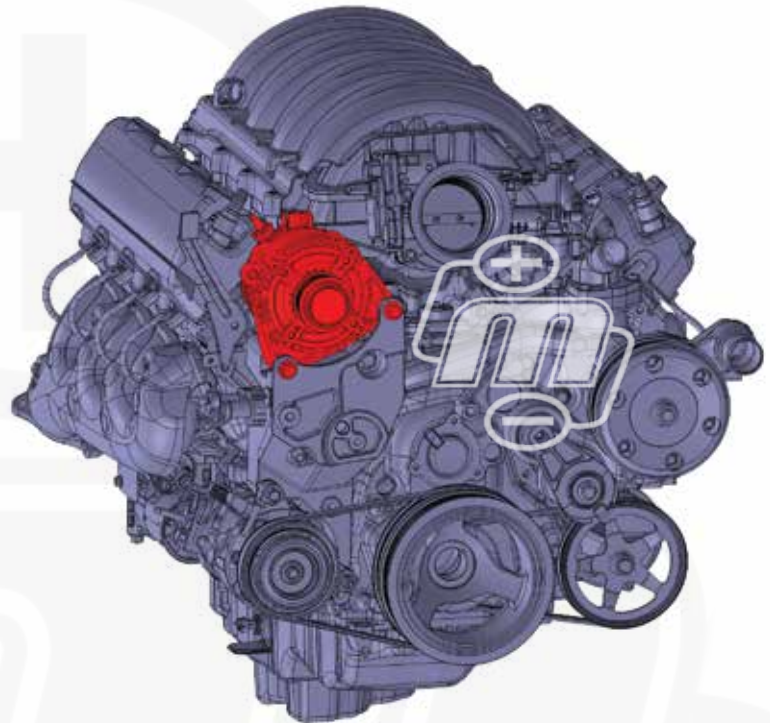


Disassembly Instructions:

Step 3: Remove the Factory Alternator

Remove the two mounting bolts holding the alternator onto the engine.

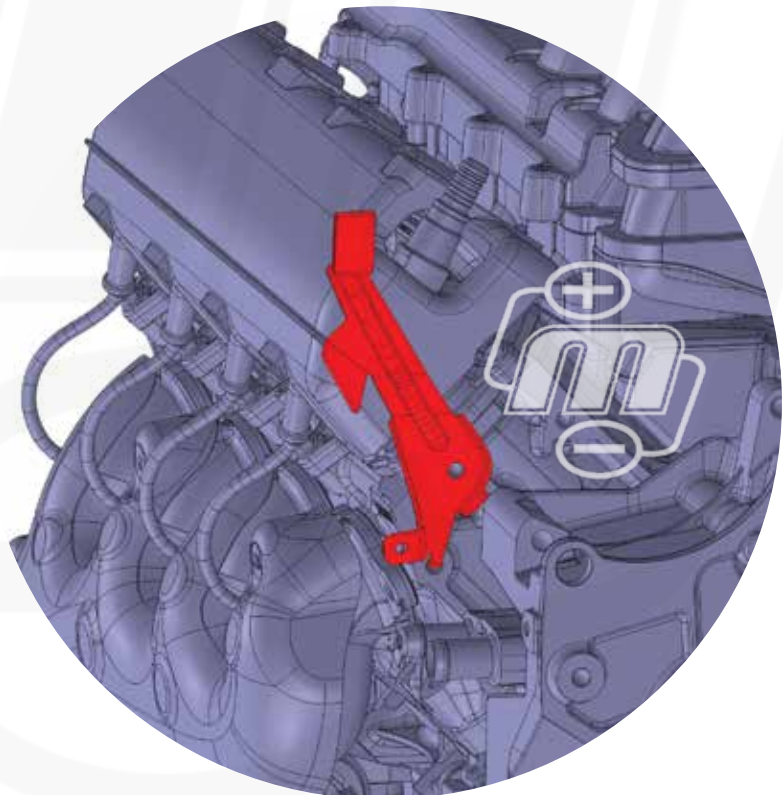
Remove the alternator



Step 4: Remove the Passenger Side Air Box Support

Remove the bolt holding the bracket onto the cylinder head.

Remove the Air Box Support Bracket.



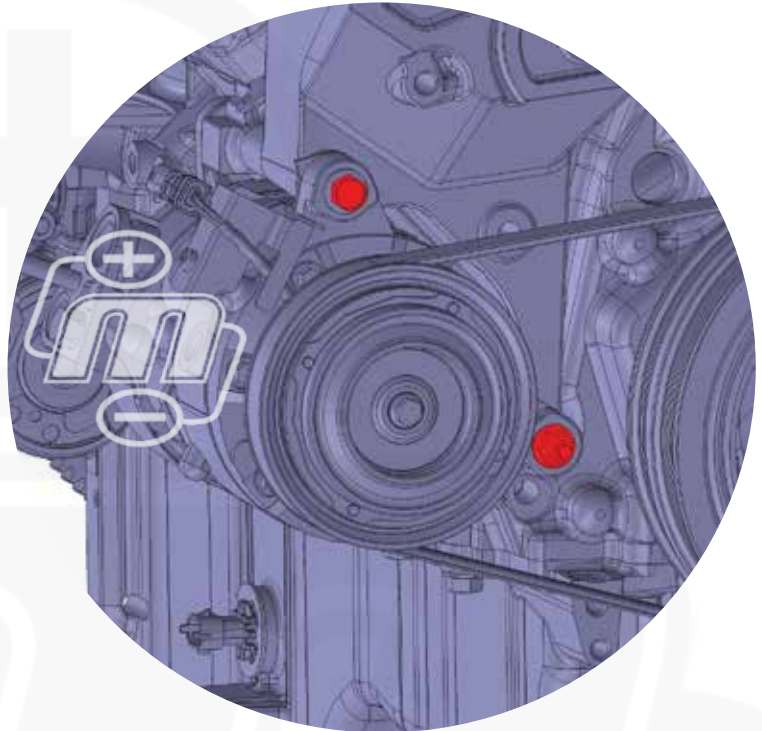
Disassembly Instructions:

Step 5: Remove the Factory Alternator

Remove the bolt, and nut securing the AC Compressor to the Multipurpose bracket.

Use a 5mm socket to remove the AC Compressor stud from the Multipurpose Bracket.

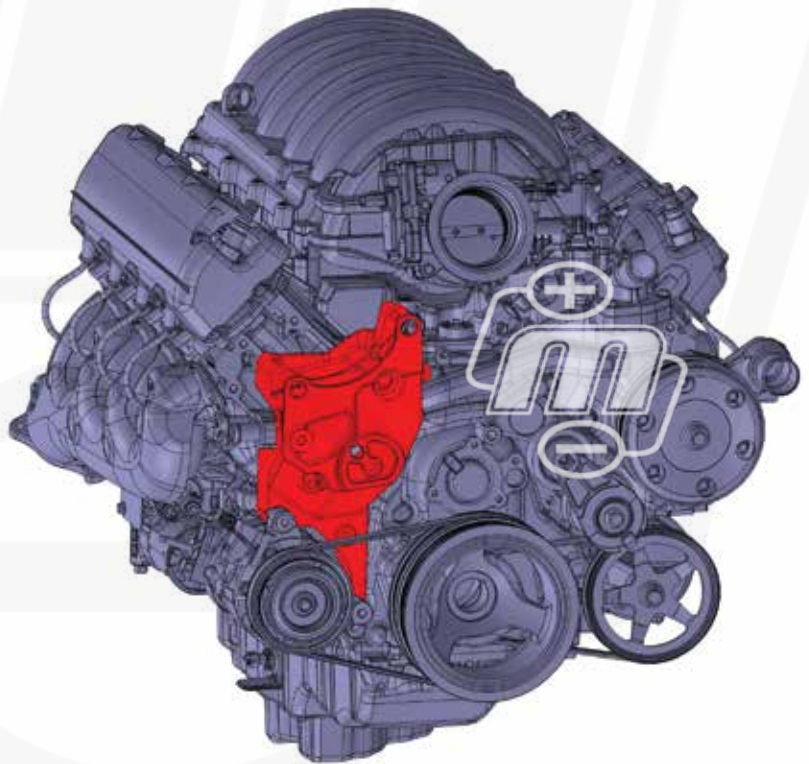
Support the AC Compressor in a way that ensures the lines will not be damaged or kinked.



Step 6: Remove the Multipurpose Bracket

Remove the last bolt holding the Multipurpose Bracket onto the engine.

Remove the Multipurpose Bracket.

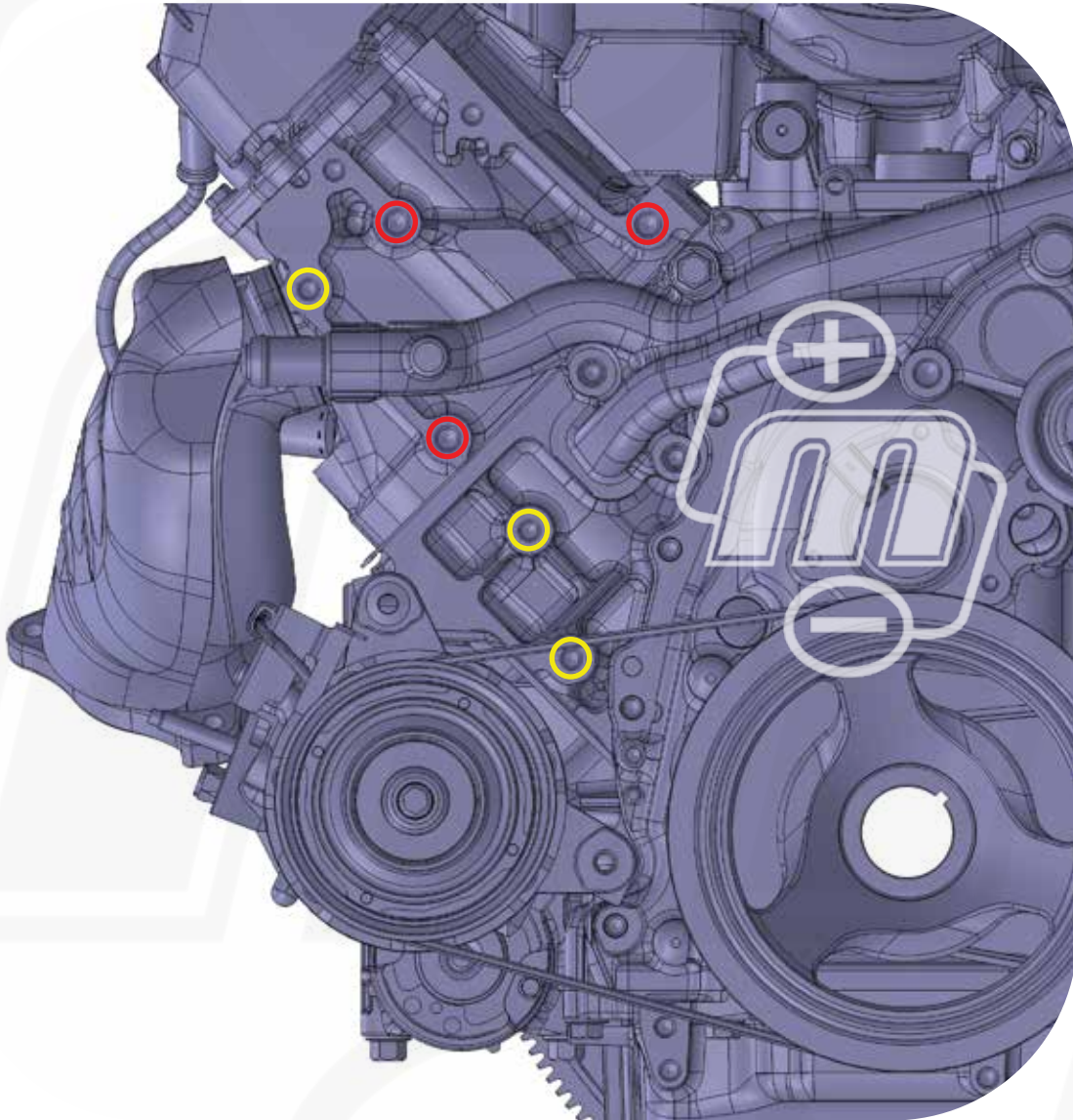


Preparing for Assembly:

Step 1: Clean threaded holes used in assembly

Some of the threaded holes are not used with the OE bracket and may have accumulated debris over time. It is suggested to clean the threads of those holes prior to assembly.

Holes marked in yellow should be checked with an M8-1.25 bolt/tap, holes marked in red should be checked with an M10-1.5 bolt/tap.



Step 2: Clean contact surfaces for grounding

All contact surfaces on the engine, as well as the brackets and spacers included in this kit, should be thoroughly cleaned and prepared such that they will make a good grounding connection

Assembly Instructions:

Step 1: Attach the AC Bracket to the Engine

Required Components: Required Hardware:

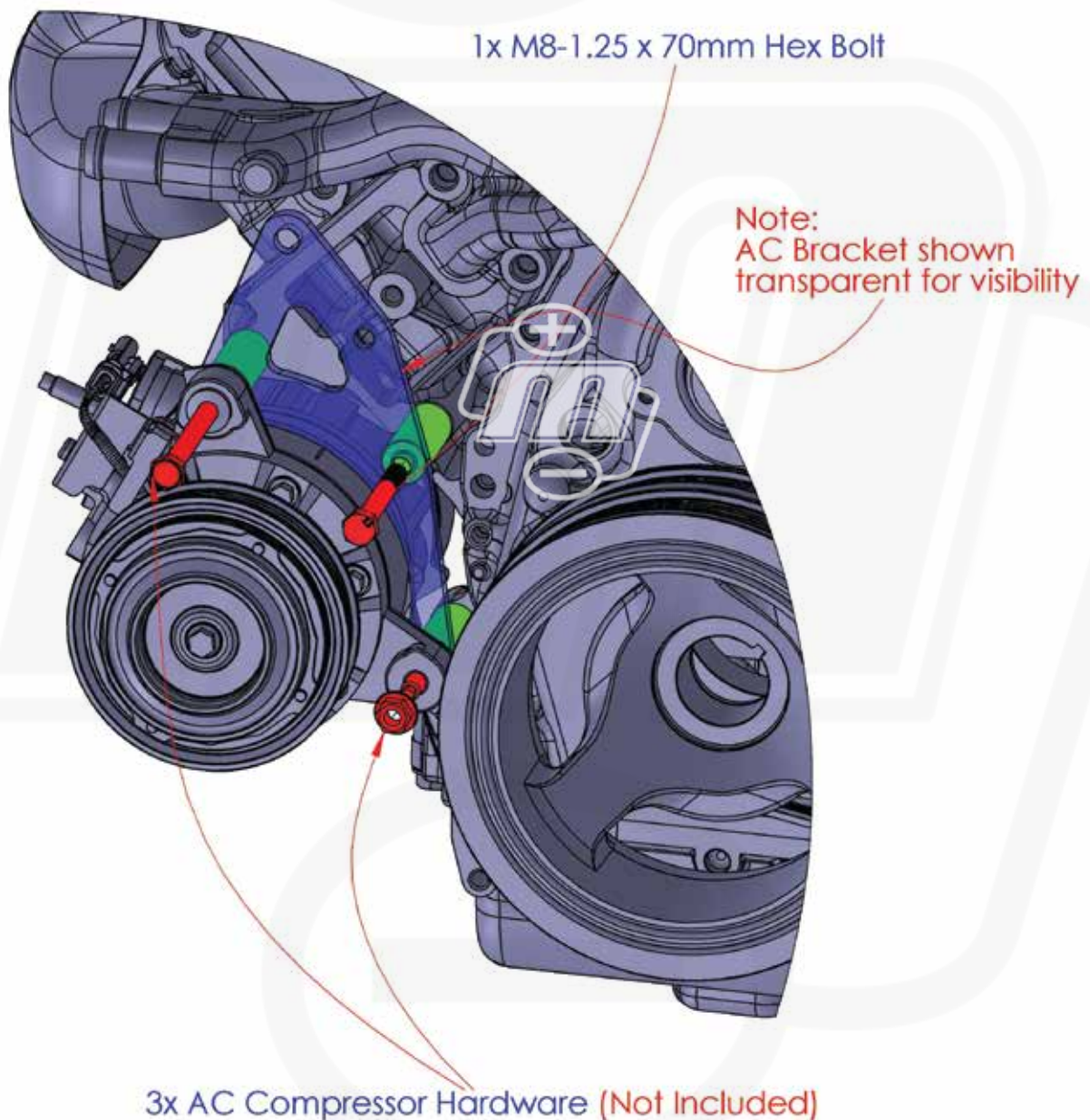
1x AC Bracket

1x M8-1.25 x 70mm Hex Bolt

3x 1.937" Spacer

2x AC Compressor Hardware (Not Included)

Use the M8-1.25 x 70mm Hex Bolt in combination with the original AC Compressor hardware to attach the AC Compressor and the AC Bracket to the engine.



Assembly Instructions:

Step 2: Attach the Primary Bracket to the AC Bracket/Engine

Required Components:

1x Primary Bracket
2x 2" Spacer
1x 1.937" Spacer
1x 2.6" Spacer

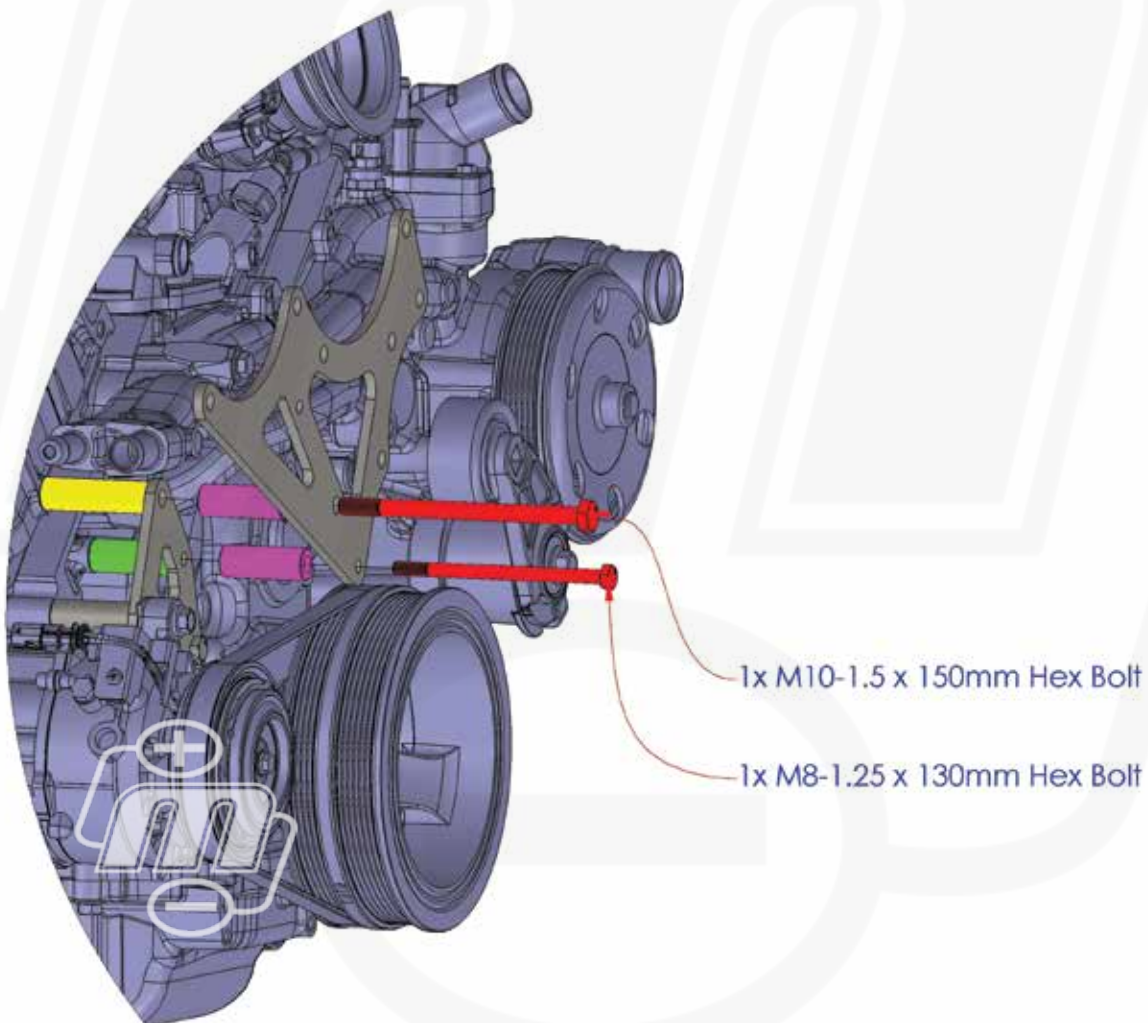
Required Hardware:

1x M10-1.5 x 150mm Hex Bolt
1x M8-1.25 x 130mm Hex Bolt

Place the 1.937" Spacer (Green) and the 2.6" Spacer (Yellow) between the AC Bracket and the engine block. Then place the two 2" Spacers (Purple) between the AC Bracket and the Primary Bracket.

Use the M10-1.5 x 150mm Hex Bolt and the M8-1.25 x 130mm Hex Bolt to attach the Primary Bracket to the AC Bracket/Engine.

Note: Make sure to reinstall the factory grounding wire with one of the bolts used in this step



Assembly Instructions:

Step 3: Attach the Secondary Bracket to the Primary Bracket/Engine

Required Components:

1x Secondary Bracket
2x 2" Spacer

Required Hardware:

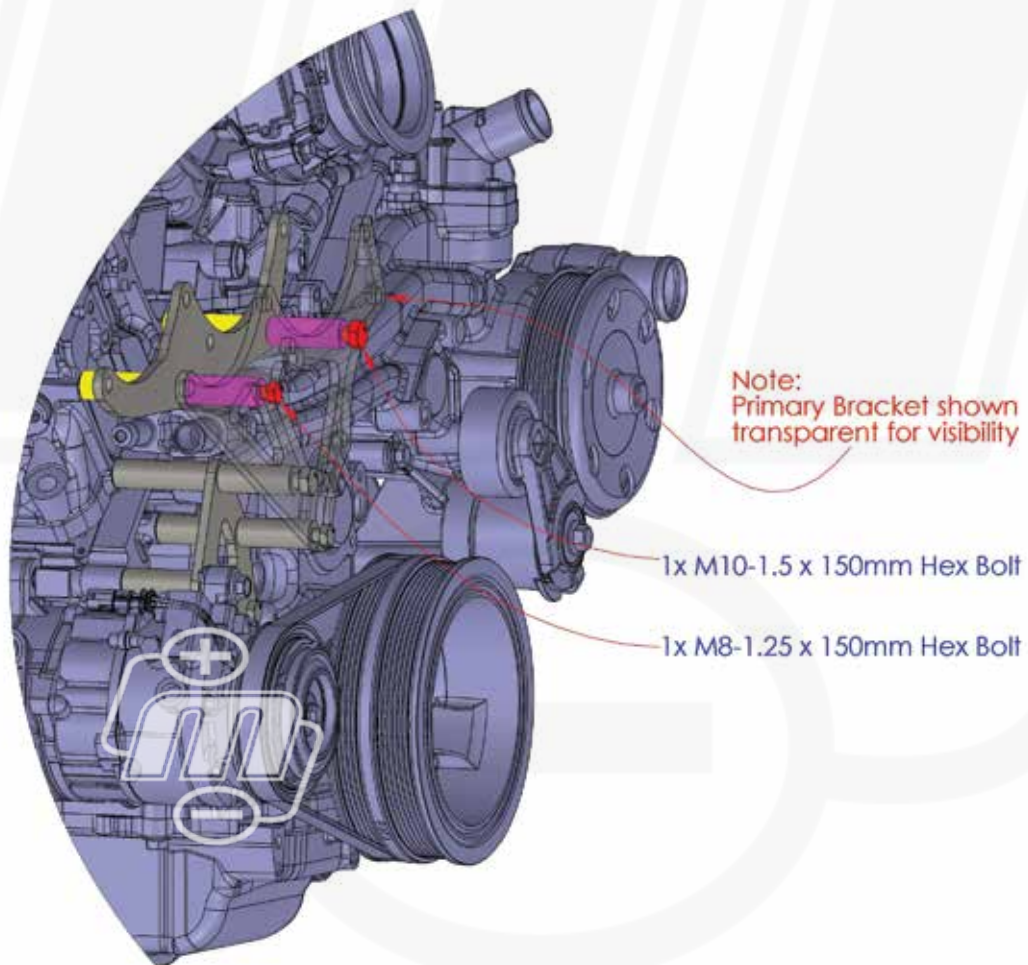
1x M10-1.5 x 150mm Hex Bolt
1x M8-1.25 x 150mm Hex Bolt

Note: Make sure the hose clamps on the heater hoses are rotated down and out of the way so that they do not get in the way of installation.

Place the Secondary Bracket between the Primary Bracket and the engine, then place the 2" Spacers (Purple) between the Primary and Secondary Bracket and the 2.6" Spacers (Yellow) between the Secondary Bracket and the engine.

Use the M10-1.5 x 150mm Hex Bolt and the M8-1.25 x 150mm Hex Bolt to attach the Secondary Bracket to the Primary Bracket/engine.

Secure the Heater and Radiator Hoses to prevent rubbing against the brackets.



Assembly Instructions:

Step 4: Install the first OEM Compatible Alternator

Required Components:

1x OEM Compatible Alternator
(Not Included)
1x 2.6" Spacer

Required Hardware:

1x M10-1.5 x 150mm Hex Bolt
1x M10-1.5 x 75mm Hex Bolt
1x M10-1.5 Nylock Nut

Place the innermost alternator between the Primary and Secondary Brackets, then place the 2.6" Spacer (Yellow) between the Secondary Bracket and the engine.

Use the M10-1.5 x 150mm Hex Bolt and the M10-1.5 x 75mm Hex Bolt to attach the first OEM Compatible Alternator.



Assembly Instructions:

Step 5: Install the second OEM Compatible Alternator

Required Components:

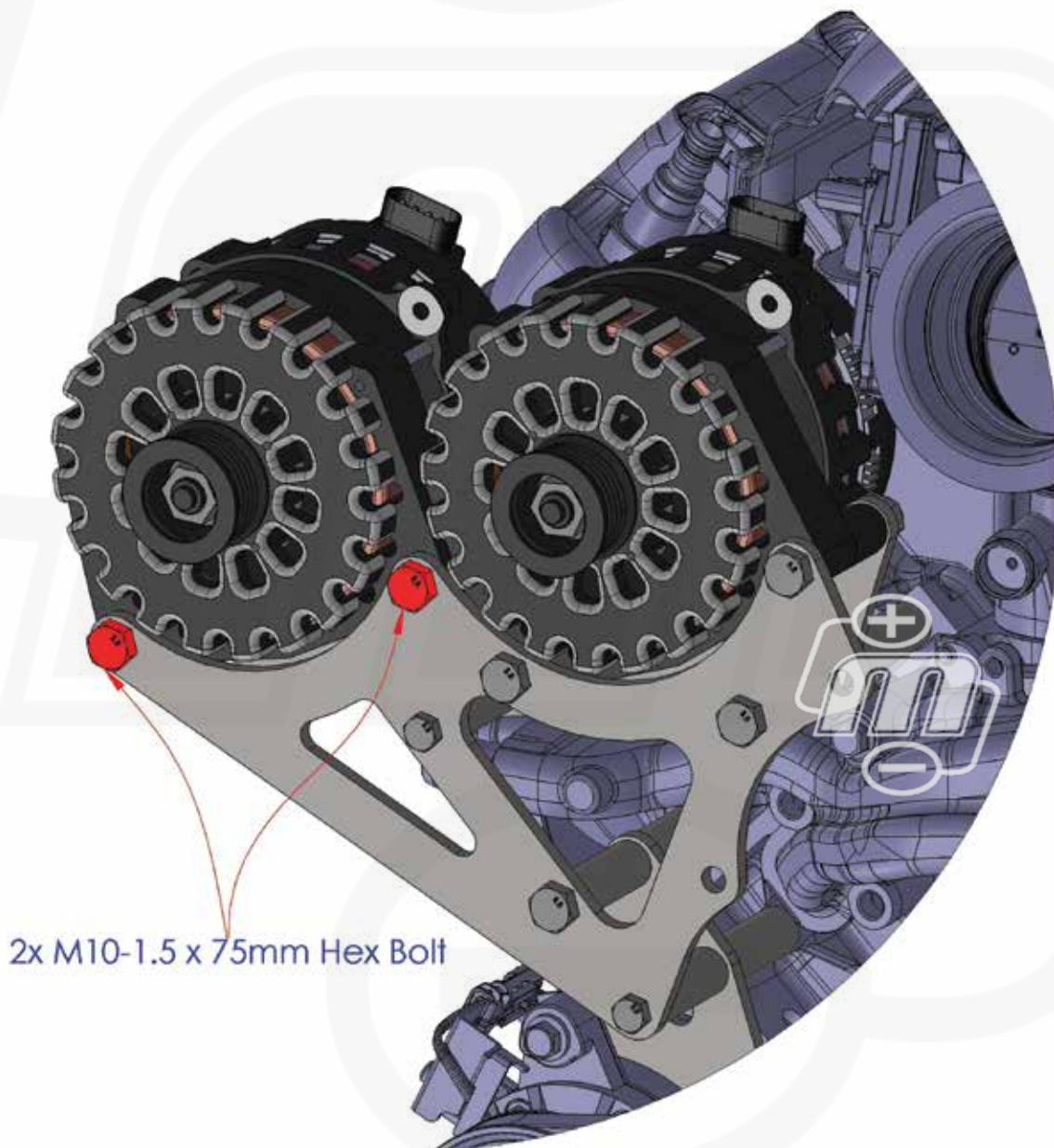
1x OEM Compatible Alternator
(Not Included)

Required Hardware:

2x M10-1.5 x 75mm Hex Bolt
2x M10-1.5 Nylock Nut

Place the outermost alternator between the Primary and Secondary Brackets.

Use the M10-1.5 x 75mm Hex Bolts to attach the second OEM Compatible Alternator.



Assembly Instructions:

Step 6: Attach the Idler Pulleys to the Primary Bracket

Required Components:

- 1x Primary Bracket
- 1x Smooth Idler Pulley
- 1x Grooved Idler Pulley
- 2x Step Spacer

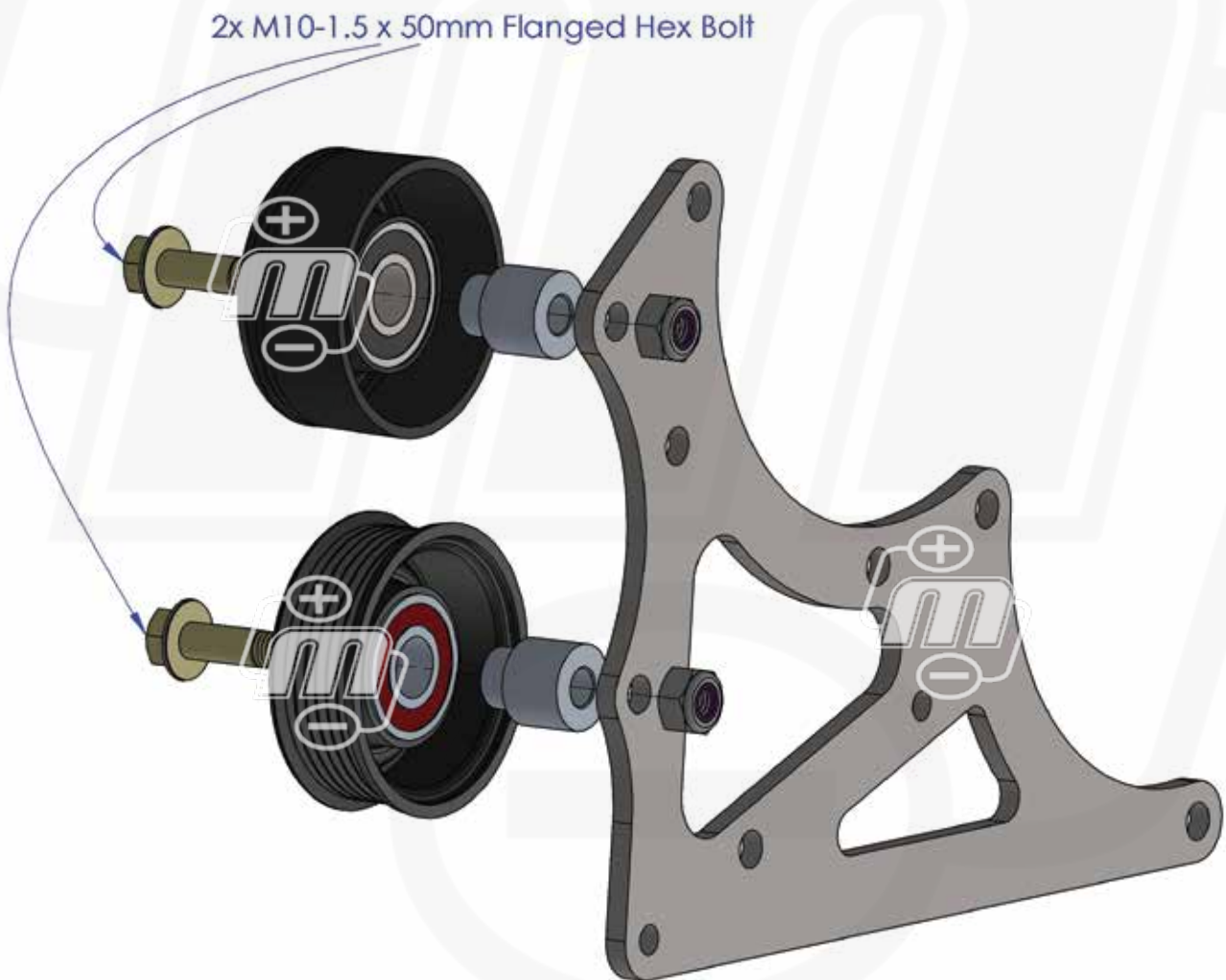
Required Hardware:

- 2x M10-1.5 x 50mm Flanged Hex Bolt
- 2x M10-1.5 Nylock Nut

Slide the Step Spacers into the back of the Idler Pulleys.

Use the M10-1.5 x 50mm Flanged Hex Bolts to attach the Idler Pulleys to the Primary Bracket.

Make sure the smooth idler pulley is mounted to the top of the bracket, and the grooved idler pulley is mounted to the bottom of the bracket.



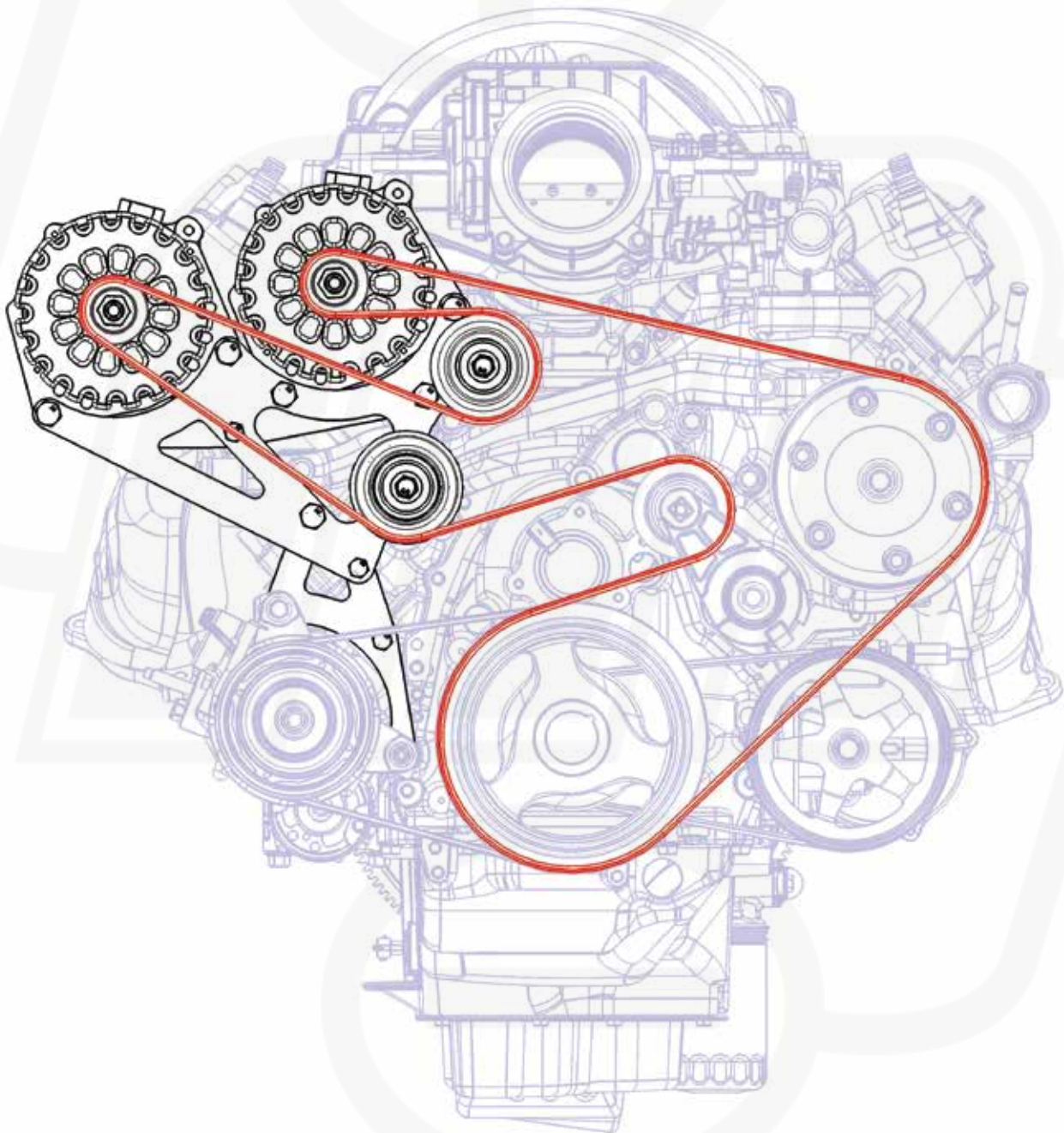
Assembly Instructions:

Step 7: Install the Accessory Belt

Required Components:

1x Serpentine Belt (102.1")

Wrap the Serpentine Belt around the engine accessories and idler pulleys as shown in the diagram below.



Assembly Instructions:

Step 8: Reinstall the Factory Air Box

Required Components:

1x Factory Air Box Assembly

Reinstall the factory air box and filter housing as per your vehicle's service manual.

Note: The passenger side air box support will not be reused and is not needed. Make sure the airbox is level and is not sitting on the alternator upon reinstallation.

Attach all remaining engine covers and shrouds.

