



# Electric car air compressor modification video

Can a project car have a cold a/c compressor?

While aftermarket air conditioning has been around for a fair while a lot of project cars don't have space on the engine for an A/C compressor - thankfully I've found a solution to that which means all project cars can now enjoy frosty cold A/C.

Why are electric car compressors so oversized?

They are way oversized for the space they condition vs what you'd put in a house, because unlike a house system, it needs to cool quickly and won't run all the time. Most hybrid or electric car compressors factory now run off the high voltage system which is as stated 300 to 900 volts, three phase ac voltage.

Can a hybrid car compressor run off a 900 volt battery?

Most hybrid or electric car compressors factory now run off the high voltage system which is as stated 300 to 900 volts, three phase ac voltage. They use the inverter in the car to convert from DC battery to AC voltage. None of which is a feasible swap.

How does car air conditioning work?

Here is how car air conditioning works - refrigerant gas is used in a pressurised system where a compressor pumps it through a system of cores with fans. As it is heated and cooled it changes between a gas and liquid, and the cold liquid has air blown across it, which becomes the lovely cold air blowing out the vents in your dashboard.

How many Btu should a car AC compressor be?

Another thing to consider is a lot of the generic "hot rod" style compressors are only 5000 BTU, whereas a OEM electric compressor is way more. Most car ac systems need to be 20000 BTU or higher due to overcoming the green house effect and to actually cool the car in a reasonable amount of time when you get in it.

How do electric compressors work?

Electric compressors are used in EVs and things like truck sleeper cabs, and they replace traditional engine-driven compressors. The engine-mounted compressors run off a belt attached to the engine, which makes their placement critical, and often are the first things removed when space is at a premium.

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This is my version of the ULTIMATE NAPA compressor. After a lot of video reviewing I have come up with this version 1 of my on-board air system for the jeep....

TikTok video from FMM ac compressor (@fmmcompressor): "Discover how electric vehicle air conditioning compressors can enhance your car, truck, RV, or yacht. Perfect for modifications!

Converting your vehicle's air conditioning system to an electric AC compressor can offer several benefits, including improved energy efficiency, ...

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In this video I go over a few upgrades I've made my cheap Harbor Freight air compressor. These upgrades would work fine on any compressor, but are particular...

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If you have not already, please subscribe to the channel.This video shows some of the last modifications to my gas engine air compressor. This was built from...

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TikTok video from FMM ac compressor (@fmmcompressor): "Learn how to install an electric vehicle air conditioning compressor with our step-by-step tutorial. Perfect for DIY enthusiasts! ...

Today we are going to modify our Maxi trac Off-road air compressor! These NAPA Maxi trac compressors are fast and cheap but they really need help. With a lit...

I just ordered everything to retrofit AC on a 73 240Z. I bought an electric AC compressor and a 160 amp alternator and am pumped to see how it works...

While aftermarket air conditioning has been around for a fair while a lot of project cars don't have space on the engine for an A/C compressor - ...



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Steam compression refrigeration cycle is adopted. The compressor sucks in low-temperature and low-pressure gaseous refrigerant from the evaporator, and then compresses ...

I show you how to install a pressure switch and the universal fitting. Kevin's Video for a safer method to this mod: o Maxi Trac Dual Air Compressor Pressu...

As we transition into an era of increased environmental consciousness, the electric AC compressor for cars stands at the forefront of ...

Fat-lapping old cars is great fun, but summer cruising in Australia can be a brutally hot, sweaty affair. While aftermarket air conditioning has ...

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The Ultimate Guide to Air Conditioners in Electric Cars As electric vehicles (EVs) continue to gain popularity, understanding their features and functionalities becomes crucial for ...

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This is a cheap, easy and reliable way to modify your 12V air compressor to have a remote switch. Avoids any complex or more expensive circuitry. The compress...

In this episode I install Universal "stand alone" 12v Electric AC system on our 65" Mustang, this is something I've wanted to do for a long time and I'm glad...

The electric vehicle ac compressor can be mainly decomposed into three parts: mechanical structure, e-motor part and control system. Each of ...

Is your air compressor really noisy and you can't build a room around it to make it more quiet? In this video we show you mods you can make to your air compressor to make it more quiet with some ...

Through continuous R& D investment and partnerships, Guchen leads in EV car air conditioning compressor



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innovation. Its advanced compressors meet the ...

Visit and like the Arnold's Design page on Facebook: / arnoldsdesign Here I show you a mod to make your air compressor a few decibels quieter. I reduced the noise by 4 decibels.

I looked into robbing an electric A/C compressor unit off one of these newer hybrids or all electric cars, but finding info on voltages to run it, ...

The electric air conditioning compressor is mainly used in trucks, construction machinery, and trucks for installation and modification, all kinds of pure electric vehicles, traction locomotives, ...

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