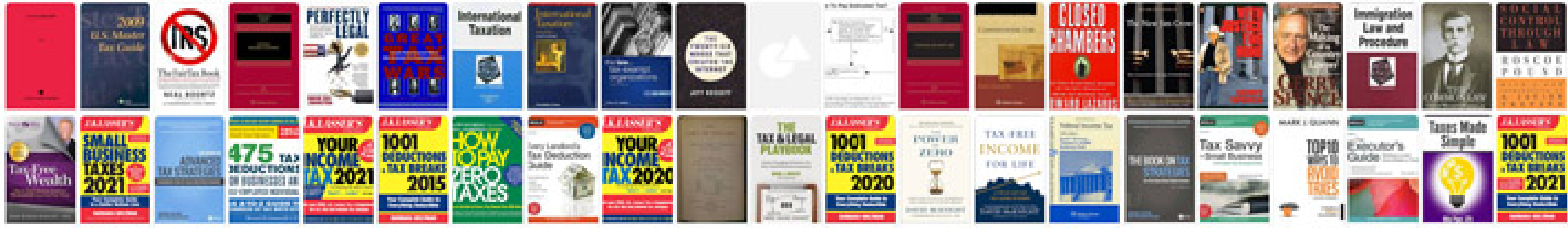

Chevelle tech

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The following information is reprinted with the permission of Mr. Fred Aldrich, a. The Chevelle Engineer. Data presented are the same from his popular website with only minor changes to spelling and overall format. Aldrich passed away in and graciously allowed me to use some information from this website before his passing. Many of you have changed tire size or axle ratio on your Chevelle and now the speedometer reads too high or low. While this can be corrected with an aftermarket ratio adapter, I like to change the speedometer driven gear at the rear of the transmission to correct for error. If you want a "correct" car, this is the way to go. Checking the accuracy of your speedometer is easy. Look for a stretch of interstate highway with mile markers. Use a stop watch or a watch with a sweep second hand to determine the time to travel one mile with your speedometer indicating exactly 60 MPH. Now find your actual MPH using this formula. Example: It takes The speedometer is indicating 8 mph too high. Each tooth added lowers the speedometer reading about 2. Each tooth removed raises the speedometer reading about 2. In our example, we want to lower the speedometer reading from 60mph indicated to 52mph indicated. We need to add teeth to lower the reading by spinning the speedometer cable slower. In our example, we are reading At this point, pull the speedometer gear out of your transmission tail housing by removing the small bolt and clamp that retains the speedometer gear sleeve and pulling on the speedometer cable. Then count the teeth, subtract or add to the number of teeth and select a new gear from the appropriate chart below based on your transmission. Use color only as a cross check. Plastic gears immersed in transmission fluid for many years will be stained and off-color. You often see the speedometer driven gear referred to as the "pencil" gear and the speedometer drive gear the "circle" gear. We need to buy a 42 tooth green gear. We need to buy a 21 tooth red gear. The GM THC, 4-speed and Powerglide transmissions all use the sleeve but they used three different drive gear diameters, 1. If you use incompatible gears, they will destroy themselves and possibly fill your transmission with plastic chips. If you find that your "correct" gear falls between two tooth counts as it does in most cases, it's usually best to pick the smaller gear so your speedometer will read slightly high. Most of these parts are still available from GM so see your local dealer. They'll have the best prices and you'll find most very cooperative if you know which part numbers you need. Most won't be very helpful, however, if you ask them to solve your problem. Takes a lot of effort and risk on their part as they're not usually very familiar with the 60's and 70's products and, of course, you'll want them to take the parts back if they're the wrong stuff and then they'll be stuck with parts they'll probably never sell. Your local dealers will probably not match these prices. Large 8 tooth drive gear - 1. To help determine the driven gear needed for either drive gear based on rear gear ratio and tire diameter, try here. GM calls the part that mounts the speedometer driven gear to the transmission a Sleeve - Speedo Driven Gear. They are marked with the driven gear tooth numbers they will accept. In our TH example, our white gear used a PN sleeve so we have to buy a new sleeve PN to match our new 42 tooth green gear. The charts below show all the drive gear information I've been able to collect. If no price is shown, the part is no longer available from GM. Ah, back where we started. We'll have to use a ratio adapter and perhaps a speedometer gear change as well to tune in the speedometer. GM used ratio adapter on many Chevelles. This part has a ratio of 0. The effect of this adapter is the same as lowering the number of teeth on the speedometer driven gear by For example, if you needed a 48 tooth gear for your THM, none is available but you can use this adapter with a 35 tooth gear to get the same result. These adapters were used by GM for high numerically like 4. The adapter screws on the speedometer connector on the transmission and the speedometer cable attaches to the adapter. It has a ratio of 0. Try Principal here is that a correctly calibrated GM mechanical speedometer turns exactly revolutions in 1 mile. That's rpm at 60mph. Note: As noted at the beginning of the page, Mr. Data presented here are assumed to be correct but no guarantees are implied. There are over pages and images on this website. If you think there is something in error, please note the exact page by its address in your browser's window when reporting it. Home Misc. Speedometer Gear Selection Many of you have changed tire size or axle ratio on your Chevelle and now the speedometer reads too high or low. Determining Speedometer Error Checking the accuracy of your speedometer is easy. Muncie 4-Speed Speedometer Drive Gears. Availability, color, price and selection may vary between our website and physical stores. Please, call the store you choose first and make sure the specific product you want is in stock. We are not responsible for incorrect store telephone numbers or addresses. Save on Shipping when you bundle! View Offer Details. WeatherTech Products for: Chevrolet Chevelle. Fits into any automotive cup holder Supports a wide range of mobile devices Additional accessories available. Shop Now. Durable, heavy-duty design Stepped lip design fits license plates snugly. Heavy-duty, custom fit indoor and outdoor car covers Protects vehicle surfaces from damaging sediments and hazards. Defends bumpers from rear end accidents, dents and scratches Used as a step to reach vehicle roof Additional styles and sizes available. Contains and organizes trunk area cargo Grippy underside prevents cargo from sliding. Ultimate line of automotive care and cleaning products Specially engineered formulas that provide superior protection. Great for work or home Supports a wide range of mobile devices. TabletHolder Desktop Tablet Holder. Great for kids and adults, at work or at play Supports a wide range of tablets. No Reviews. Adheres to flat, smooth surfaces like mirror or glass Supports a wide range of mobile devices. Interior Protection for your Chevrolet Chevelle. Durable fabric designed to repel liquids and protect against scuffing. Heavy-duty, durable coated polyester fabric. Machine washable! Heavy duty universal car mats. Traps fluids and debris from vehicle flooring. Trim-to-Fit Floor Mat Semi-universal vehicle mats. Just trim it to fit it! Semi-Universal design Features reservoirs and ridges for trapping fluids and debris. Fits almost all factory vehicle cup holders Catches and contains spills. Exterior Protection for your Chevrolet Chevelle. Custom-fit UV-resistant outdoor car cover Features enhanced water-resistant acrylic fiber material Choose from three color options. Custom-fit heavy duty indoor car cover Shields vehicle from settling sediment, moisture and other hazards Choose from six color options. Fits into any automotive cup holder Supports a wide range of mobile devices. The CupFone with Hand Sanitizer Holder allows you to safely, quickly and conveniently access your hand sanitizer. The CupFone Two View has all the same features as the original CupFone, plus it allows users to view their phone in both portrait and landscape modes. Fully adjustable! The DeskFone Two View has all the same features as the regular DeskFone, plus it allows users to view their phone in either portrait or landscape modes. FaceShield Air for your Chevrolet Chevelle. Germ Protection for your Chevrolet Chevelle. The CupFone Hand Sanitizer Holder attaches easily to your CupFone, to allow you to safely, quickly and conveniently access your hand sanitizer. Protects your personal items from germs and damage Perfect for home improvement projects, organization, hobbies, keeping bathrooms safe and much more Keeps virtually anything that fits safe, organized and easy-to-find Easy to fold up for on-the-go use. Defends bumpers from rear end accidents, dents and scratches Used as a step to reach vehicle roof Measures 12" wide. Extra wide design for added protection Defends bumpers from rear end accidents, dents and scratches Measures 24" wide. Solid aluminum, corrosion-resistant design Defends bumpers from rear end accidents, dents and scratches Measures 12" wide. Solid aluminum, corrosion-resistant design Defends bumpers from rear end accidents, dents and scratches Measures 24" wide. American-themed design Defends bumpers from rear end accidents, dents and scratches Measures 12" wide. Impact-resistant design that works as bumper protector Virtually unbreakable composition. Dries vehicle in one-third the time of normal applicators Will not leave streaks or scratch painted surfaces. ClearFrame Clear, durable one-piece frame that protects license plates. Virtually indestructible clear license plate frame Optimum resistance to weathering Available in 17 colors. Virtually indestructible Optimum resistance to weathering Low profile design. High clarity, epoxy laminated, woven carbon fiber Smooth glossy finish. Solid, one-piece stainless steel frame PlateSpacer supports plate and frame away from car body. Titanium License Plate Frame Solid titanium frame protection. Custom machined titanium billet frame Weather and corrosion resistant. Solid billet aluminum low-profile license plate frame Made from American-sourced raw materials Available in two colors. Solid billet aluminum low-profile license plate frame Made from American-sourced raw materials Available in four colors. Durable Spandex cotton fabric Available in Black or Red. Trim-to-fit belts Durable, waterproof recycled material Available in 14 colors. Keeps batteries charged when not in use Monitors battery condition to keep it functioning properly. TechFloor Flooring for Home and Business. Holds up to 19 oz. All-Purpose Mat Multi-use mat for everyday living. Heavy-duty material protects against everyday messes Raised outer lip keeps spills, leaks and more contained for easy cleaning. OutdoorMat For Home and Business. Heavy duty non-slip mat for exterior entryways Features semi-rigid cones to remove debris from footwear Available in four colors. IndoorMat For Home and Business. Heavy duty non-slip mat for interior entryways Traps and contains fluids and dirt from foot traffic Available in four colors. Designed to funnel messes away from footwear Great solution for storing messy footwear Available in four colors. Protects your cabinet interiors from spills and leaks Great for kitchens, bathrooms and utility rooms Available in two colors. Catches liquid overspills Helps prevent scratches and water leaks Available in three colors. WeatherTech Coasters Surface Protection. Surface protection from heat, spills and condensation Inspired by signature WeatherTech floor mats. Pet Accessories for your Chevrolet Chevelle. Various sizes allow you to pick the perfect size for your dog or cat. Raised outer lip keeps spills, leaks and more contained for easy cleaning. Single High Pet Feeding System Raised dog bowl or cat bowl, perfect for outdoor patios or as an in-house extra. Single bowl feeding station or water station for dogs and cats. Raised outer lip keeps spills and leaks contained for easy cleaning. Multiple bowl sizes and colors! Choose the perfect one for your pet. Compact size makes this system ideal for trips to the park or bringing along on road trips and vacations. Ergonomic design provides easy access for food and water. Pet Partition Heavy-duty, seatback travel barrier keeps your dog safe in the back seat, so you can focus on the road. Portable heavy duty pet ramp for elevated vehicles Non-slip surface for added traction. Adjustable and expandable Fastens securely to interior - no tools or drilling required Made in the USA. Quickly stores your Pet Barrier Easy to carry and stow away. EasyRamp Perfect for larger vehicles and for older pets. Easy to assemble and use Super strong with a lb. Pet Safety Harness Keeps your pet safe and secure while on-the-go. Functions as a seat belt for your pet Available in 7 different sizes. Racing Team Apparel for your Chevrolet Chevelle. Official Racing Team Gear Stylish design in long and short-sleeved options. Gift Cards for your Chevrolet Chevelle. Gift Cards. Perfect gift for any occasion Only available through WeatherTech. We're sorry, we didn't recognize the Zip code entered. Please try again. You are now leaving WeatherTech. We will continually add to and update this page over time so we recommend checking back often and when ever you have tech related questions or issues shopping online. Acrobat Reader is required to view some downloads. Two years ago online, Trevor was lured by the blower motor on this Chevelle Coupe. Well, we all. In the mids, this Camaro had been resting in a parking lot on the side of a restaurant that he and his wife would. Richie built this Chevelle in late with the intention of selling it to pick up a Camaro, but he still owns the. See what our customers say about us! Save at SS Click here to view our promotions! Ground Up SS At Ground Up, Inc. Brake Installation Guides. Dakota Digital Instrument Installation Guides. Buick Regal. Monte Carlo. Custom Trunk Panel Instructions. Installing , , Camaro Trunk Panel Kit. Installing Chevelle Trunk Panel Kit. Installing Nova Trunk Panel Kit. Interior Installation Guides. Chevrolet Interiors. Download Guide. Convertible Top Care Tips and tricks to keep your convertible top looking its best! USB Interface. Learn More. Get Yours. Submit your car to be featured today! Submit Today! Follow Us On Social. February 18, February 15, February 17, Have a question? Ask one of our knowledgeable Reps! Talk With An Expert. Shop By Car. Free Catalog. Popular Links. Don't Wait Last Minute! Start Browsing. One of the most interesting things about RideTech is we are completely self-sufficient. In addition to developing parts on our test track and manufacturing them in-house, we have the ability to build complete, best in show builds from the ground up. We only work on RideTech cars. With heated seats and a quiet cockpit, this Chevelle is being built for driving across the country, not racing. The car will be the first ever hot rod to have Instinct Electronic Shockwaves for world-class ride and handling plus ultra low stance when parked. Lead fabricator Kurt Blackgrove, is hard at work producing subtle touches, like completely reworked panel gaps and bumpers, as well as a hand-built firewall and underwood panels. All seams have been welded with all extraneous holes filled for a true show-quality frame. The project, which started life as a clean original car, was completely disassembled and stripped of paint. Power will come from a bulletproof LS engine backed by an electronic overdrive transmission. Very Sharp car. Mine is the same car. I bought it and my 67 El Camino when I lived in California. I have owned them both for 38 years this year. My Chevelle is also in exceptionally great shape. I removed the side trim, and welded all the holes. I installed Super Sport trim under the rockers to make it appear to be a Super Sport, along with installing the Super Sport hood. I am going follow this build closely. Karl Eastman Shepherdsville Ky. Originally from San Jose, California. Your email address will not be published. We started with a really nice Chevelle Survivor. Bret and Sharon love driving Chevelles as they possess the right combination of comfort and performance. The original will never win any drag races, but it does confirm that the car has lived a charmed, unmodified existence. Much

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like the engine bay, the cockpit is very original and covered in thick dust. It will be thoroughly replaced with a custom interior built by one of the best craftsmen in the business â€" Tracy Weaver at Recovery Room. The original floors are in exceptionally nice shape with only minor surface rust. The trunk is in the same condition. We completely disassembled the car and mounted it to a rotisserie prior to stripping. Once naked, most cars reveal ancient flaws, but this Chevelle is super clean. Are you jealous? The original frame is in pristine condition as well. We stripped it down to bare metal, then welded and filled seams and holes. Kurt, our lead fabricator, can make anything from scratch. Here, he builds a custom firewall with a recessed power master cylinder assembly. Keep checking back for more updates. Andy Voelkel competes at Goodguys Columbus Autocross Karl Eastman says: Very Sharp car. July 13, at am Reply. Leave a Reply Cancel reply Your email address will not be published.