



- **ATV Performance Tuning and Modifications**

ATV Performance Tuning and Modifications How to install a high flow exhaust on an ATV Steps for re mapping the ECU for improved performance How to choose the right gear ratio for your riding style When to upgrade the clutch springs and weights in an ATV Benefits of a big bore kit for ATV power output How to tune jetting for altitude changes Steps for adding a performance air filter to your ATV How to improve throttle response through tuning Tips for balancing top speed and low end torque in an ATV How to reduce engine lag with proper tuning adjustments When to upgrade the cooling system for performance riding How to test performance gains after modifications

- **Seasonal and Environment Specific ATV Preparation**

Seasonal and Environment Specific ATV Preparation How to prepare your ATV for winter storage Steps for setting up your ATV for deep snow riding How to waterproof your ATV for water crossings Tips for preventing rust after riding in wet conditions How to adjust jetting for hot summer temperatures Steps for protecting your ATV from saltwater corrosion How to prepare your ATV for muddy trail conditions What to pack for a long distance ATV expedition How to maintain your ATV during hunting season use Techniques for cleaning your ATV after sand dune riding How to set up tire pressure for different terrains When to change coolant for seasonal temperature shifts

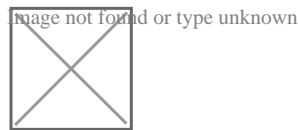
- **About Us**



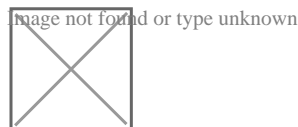
ATV

Okay, so youve got an ATV, and youre probably wondering when the heck you need to start messing with the clutch springs and weights. Well-kept ATVs are safer for both work and recreation [atv auto](#) personal water craft. Its not exactly a topic that comes up around the campfire, but its crucial if you want to get the most out of your machine. Think of it like this: your ATVs clutch is the unsung hero, quietly transferring power from the engine to the wheels. But just like any other part, it can be optimized, and sometimes, it needs an upgrade.

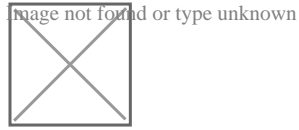
The factory setup on your ATV is designed to be a jack-of-all-trades. Its meant to work reasonably well in a variety of conditions. But "reasonably well" doesnt always cut it. Maybe youre a mud bogging enthusiast, always pushing your machine through thick, gooey terrain. Or perhaps youre a rock crawling aficionado, demanding precise throttle control at low speeds. Or maybe youve just slapped on some bigger tires. All of these scenarios can put a strain on your stock clutch and highlight its limitations.



So, how do you know its time for an upgrade? Start by paying attention to your ATVs performance. Are you noticing a loss of power or acceleration? Is the engine revving high, but youre not getting the expected forward movement? Does your ATV struggle to climb hills or tow heavy loads? These are all telltale signs that your clutch might be slipping, and that heavier weights or stiffer springs could be beneficial.



Lets break it down a bit. The weights in your clutch primarily affect the shift-out point – the RPM at which the clutch fully engages. Heavier weights generally lower the shift-out point, which can improve low-end torque and acceleration, especially with larger tires. Think of it like shifting into a lower gear on a manual transmission. On the other hand, lighter weights raise the shift-out point, which can improve top-end speed and responsiveness.



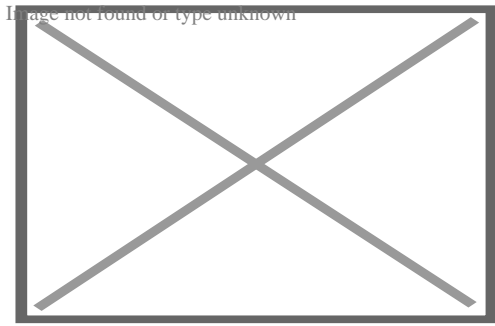
Clutch springs, on the other hand, primarily affect the engagement RPM – the RPM at which the clutch starts to engage. Stiffer springs raise the engagement RPM, which can prevent belt slippage under heavy loads and improve throttle response. They're particularly useful if you're running larger tires or frequently encounter muddy or rocky terrain. However, stiffer springs can also make the ATV feel jumpy or jerky at lower speeds.

The key is to find the right balance. There's no one-size-fits-all solution. It's a bit of trial and error, and it depends entirely on your riding style, the type of terrain you're tackling, and any modifications you've made to your ATV.

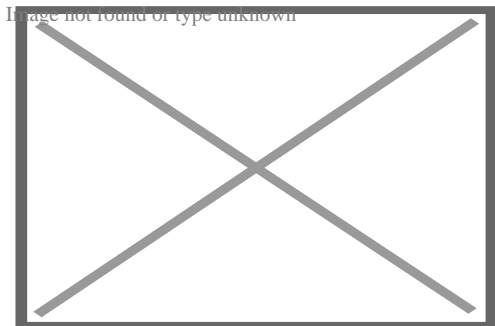
Before you start swapping parts, do your research. Talk to other ATV enthusiasts who ride in similar conditions. Read online forums and reviews. Understand the pros and cons of different weights and spring combinations. Consider starting with small changes and testing the results before making more drastic modifications.

Upgrading your clutch springs and weights can be a game-changer, transforming your ATV into a more capable and enjoyable machine. But it's not a magic bullet. It requires careful consideration, experimentation, and a willingness to learn. Get it right, and you'll be rewarded with improved performance, better throttle response, and a machine that's perfectly tailored to your needs. Get it wrong, and you might end up with a sluggish or unpredictable ride. So, take your time, do your homework, and enjoy the process of fine-tuning your ATV for ultimate performance.

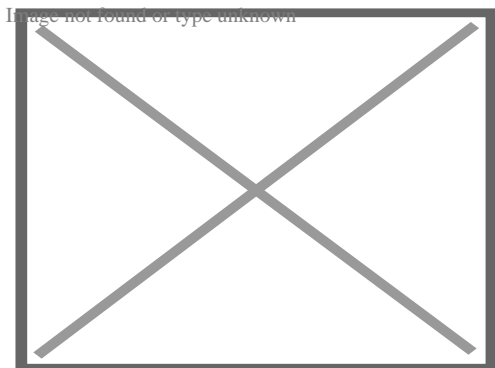
About Car dealership



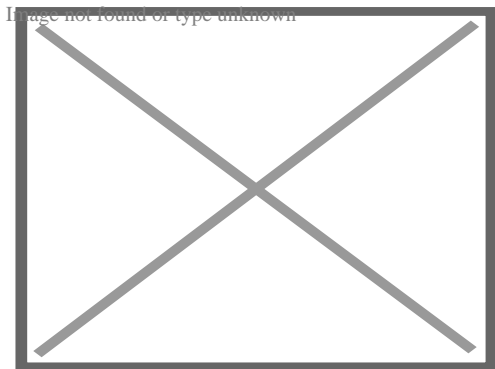
Typical car dealership (in this case a Jeep dealer) in the U.S. selling used cars outside, new cars in the showroom, as well as a vehicle entrance to the parts and service area in the back of the building



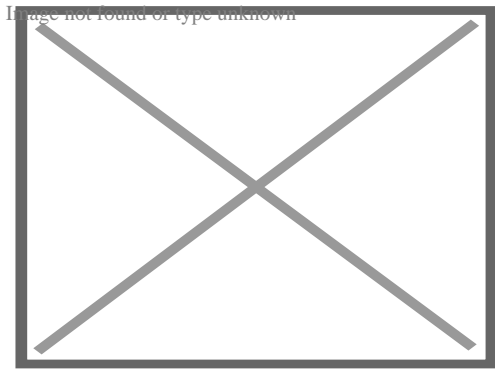
An aerial view of auto dealer's service in Kuopio, Finland



Service and repair entrance



Auto dealer's service and repair facility



Dealer for vintage cars

A **car dealership**, or **car dealer**, is a business that sells new or used cars, at the retail level, based on a dealership contract with an automaker or its sales subsidiary. Car dealerships also often sell spare parts and automotive maintenance services.

In the United States, car dealerships have historically been an important source of state and local sales taxes. They have considerable political influence and have lobbied for regulations that guarantee their survival and profitability. By 2010, all US states had laws that prohibited manufacturers from side-stepping independent car dealerships and selling cars directly to consumers. By 2009, most states imposed restrictions on the creation of new dealerships to compete with incumbent dealerships.

Economists have characterized these regulations as a form of rent-seeking that extracts rents from manufacturers of cars, increases costs for consumers, and limits entry of new car dealerships while raising profits for incumbent car dealers. Research shows that as a result of these laws, retail prices for cars are higher than they otherwise would be.^{[1][2]}

Car dealerships in the United States

[edit]

Main article: Car dealerships in the United States

The early cars were sold by automakers to customers directly or through a variety of channels, including mail order, department stores, and traveling representatives.^[1] For example, Sears made its first attempt at selling a gasoline-engined chain-drive high-wheeler in 1908 through its mail-order catalog and starting in 1951 the Allstate through select its stores and the catalog.^{[3][4]}

The first car dealership was opened in 1889 by Fred Koller in Reading, Pennsylvania and sold cars manufactured in Cleveland, Ohio. This would have been the first dealership solely dedicated to automobiles, as opposed to horse-drawn carriages.^[5]

Today, direct sales by an automaker to consumers are limited by most states in the U.S. through franchise laws that require new cars to be sold only by licensed and bonded, independently owned dealerships.^[6] The first woman car dealer in the United States was Rachel "Mommy" Krouse who in 1903 opened her business, Krouse Motor Car Company, in Philadelphia, Pennsylvania.^[7]

The number of car dealerships in the US peaked in 1927 at 53,125 and steadily decreased over the next decades. By 1960, there were 33,658 dealerships; by 1980, 23,379; and by 2001, 22,007.^[1]

Car dealerships are usually franchised to sell and service vehicles by specific companies. They are often located on properties offering enough room to have buildings housing a showroom, mechanical service, and body repair facilities, as well as to provide storage for used and new vehicles. Many dealerships are located out of town or on the edge of town centers. An example of a traditional single proprietorship car dealership was Collier Motors in North Carolina.^[8] Many modern dealerships are now part of corporate-owned chains with hundreds of locations.^[9] Dealership profits in the US mainly come from servicing, some from used cars, and little from new cars.^[10]

Most automotive manufacturers have shifted the focus of their franchised retailers to branding and technology. New or refurbished facilities are required to have a standard look for their dealerships and have product experts to liaise with customers.^{[11][12]} Audi has experimented with a hi-tech showroom that allows customers to configure and experience cars on 1:1 scale digital screens.^{[13][14]} In markets where it is permitted, Mercedes-Benz opened city centre brand stores.^[15]

Tesla Motors has rejected the dealership sales model based on the idea that dealerships do not properly explain the advantages of their cars, and they could not rely on third-party dealerships to handle their sales.^[16] However, in the United States, direct manufacturer auto sales are prohibited in almost every state by franchise laws requiring that new cars be sold only by dealers.^[17] In response, Tesla has opened city centre galleries where prospective customers can view cars that can only be ordered online.^{[18][19]} These stores were inspired by the Apple Stores.^[20] Tesla's model was the first of its kind, and has given them unique advantages as a new car company.^[21]

Economic theory

[edit]

In economic theory, car dealerships can be characterized as franchisees and automobile manufacturers as franchisors. A franchise relationship can be beneficial to both parties, as the franchisee can sell a well-made and attractive product while the franchisor can rely on the franchisee to incur downstream costs and use its local relationships to sell more products and services.^[1]

The franchisor can act opportunistically by imposing constraints and burden on the franchisee after the latter has incurred sunk costs, such as investing in physical assets and building up a reputation with customers. The franchisor could for example require that cars be sold at low prices, and services be performed for little compensation. The franchisee could on the other hand act opportunistically by using its local monopoly to perform poor customer service, charge customers more, and pass those unnecessarily high costs to the franchisor.^{[1][22]}

Regulations that protect car dealers

[edit]

Car dealerships have lobbied for regulations that increase the survival and profitability of car dealerships:[¹]

- By 2010, all US states had laws that prohibited manufacturers from side-stepping independent car dealers and selling cars to customers directly.
- By 2009, most states imposed restrictions on the creation of new dealerships to compete with incumbent dealerships.
- All states impose severe limits on the ability of a manufacturer to terminate a franchise relationship.
- Most states prevent manufacturers from engaging in "quantity forcing" whereby manufacturers require that dealers purchase vehicles that they had not ordered.
- Most states limit the ability of manufacturers to discriminate between car dealers (for example, by providing better terms to large car dealers with economies of scale or dealers that provide better customer service).
- Many state laws impose upon manufacturers the precise terms under which they must compensate dealers for the costs associated with warranty repairs (these can incentivize dealers to increase the price of repairs to customers).
- Most state laws require upon the termination of a dealership that manufacturers buy back the inventory, and special equipment and in some cases pay the rent of the dealer's facilities.

The issuance of new dealership licenses can be subject to geographical restriction; if there is already a dealership for a company in an area, no one else can open one. This has led to dealerships becoming in essence hereditary, with families running dealerships in an area since the original issuance of their license with no fear of competition or any need to prove qualification or consumer benefit (beyond proving they meet minimum legal standards), as franchises in most jurisdictions can only be withdrawn for illegal activity and no other reason.[²³]

Criticism

[edit]

Economists have characterized these laws as a form of rent-seeking that extracts rents from manufacturers of cars and increases costs for consumers of cars while raising profits for car dealers.[¹][²⁴][²⁵][²⁶] Multiple studies have shown that regulations that protect car dealerships increase car costs for consumers and limit the profitability of manufacturers.[²⁷]

This has led to consumer campaigns for establishment or reform, which have been met by huge lobbying efforts by franchise holders. New companies trying to enter the market, such as Tesla, have been restricted by this model and have either been forced out or been forced to work

around the franchise model, facing constant legal pressure.^[28]


Electric vehicles

[edit]

According to a 2023 survey by the Sierra Club, two-thirds of US car dealerships did not have electric or hybrid vehicles for sale.^[29] Reasons for this include supply chain difficulties,^[29]^[30] as well as a need for car dealers to make substantial investments in new employee training and infrastructure to be able to sell, service and maintain electric vehicles.^[31]

Car dealerships in the European Union

[edit]

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In the European Union, car manufacturers were permitted from 1985 to 2006 to enter into contracts with car dealerships that restricted what kinds of cars dealers were permitted to sell.^[32]^[33] Car manufacturers were able "to impose qualitative, quantitative and geographical restrictions on supply by selling their cars only through a limited number of dealers bound by strict franchise agreements."^[32] In 2006, the European Commission determined that it was anti-competitive for car manufacturers to prohibit dealers from carrying multiple car brands.^[33]

Car manufacturers in the European Union are increasingly shifting towards selling cars directly to customers without reliance on independent dealers. Volvo has announced plans to sell all vehicles directly to customers by 2030.^[34]^[35]

Multibrand car dealers

[edit]

Multibrand and multi-maker car dealers sell cars from different and independent carmakers.^[36] Some are specialized in electric vehicles.^[37]

Auto transport

[edit]

Auto transport is used to move vehicles from the factory to the dealerships. This includes international and domestic shipping. It was largely a commercial activity conducted by manufacturers, dealers, and brokers. Internet use has encouraged this niche service to expand and reach the general consumer marketplace.

See also

[edit]

- Auto auction
- Auto row
- Automaker
- Car broker
- Car rental
- List of auto dealership and repair shop buildings
- Showroom
- Used car

Organizations

[edit]

- Carfax
- Kelley Blue Book
- Federation of Automobile Dealers Associations of India (FADA)
- National Automobile Dealers Association
- Presidential Task Force on the Auto Industry

References

[edit]

1. [^] **a b c d e f g** Lafontaine, Francine; Morton, Fiona Scott (2010). "Markets: State Franchise Laws, Dealer Terminations, and the Auto Crisis". *Journal of Economic Perspectives*. **24** (3): 233–250. doi:10.1257/jep.24.3.233. ISSN 0895-3309.
2. [^] Bodisch, Gerald (May 2009). "Economic Effects Of State Bans On Direct Manufacturer Sales To Car Buyers". U.S. Department of Justice, Anti-Trust Division. Retrieved 23 July 2024.
3. [^] Strohl, Daniel (24 October 2018). "Sears sold many things well, just not automobiles". *Hemmings*. Retrieved 6 December 2022.
4. [^] Tate, Robert (17 March 2015). "When Sears Sold Vehicles: Remembering the Allstate | 2015 | Story of the Week". *motorcities.org*. Retrieved 6 December 2022.
5. [^] Ryan, Tom (31 March 2022). "Dealership Business Model: The Future of Automotive Retail". Archived from the original on 21 May 2022.
6. [^] Quinland, Roger M. "Has the Traditional Automobile Franchise System Run Out of Gas?". *The Franchise Lawyer*. **16** (3). Archived from the original on 14 May 2016. Retrieved 21 April 2016.
7. [^] *The Evening Bulletin* (published by Philadelphia Bulletin) 7 December 1953 page 1 (column 3) and page 16 (column 4) and *The Evening Bulletin* 29 January 1954 (obituary)
8. [^] Cotter, Tom (22 September 2013). "Former AMC Dealership Full of Cars". *Barn Finds*. Retrieved 8 September 2019.

9. ^ Tucker, Sean (15 September 2021). "The Future of Car Shopping: Fewer Dealerships, More Consolidation". Kelley Blue Book. Retrieved 6 December 2022.
10. ^ "NADA Data 2015 the annual financial profile of new-car dealerships". National Automobile Dealers Association. 2015. pp. 6–7. Retrieved 8 September 2019.
11. ^ "New BMW stores to be big, open, beige".
12. ^ "Geniuses smart move for dealers, BMW says".
13. ^ Foy, Henry (29 December 2013). "Online showrooms and digital dealerships revolutionise car buying". FT. Archived from the original on 2 July 2014. Retrieved 22 November 2021.
14. ^ Singh, Sarwant. "The Future of Car Retailing". Forbes. Archived from the original on 29 April 2017.
15. ^ "Mercedes-Benz growth strategy dominates 2013". daimler.com. 2 January 2014. Archived from the original on 8 January 2014. Retrieved 6 December 2022.
16. ^ "Dealer or no dealer: Tesla's sales model under fire". america.aljazeera.com. Retrieved 12 July 2023.
17. ^ Bodisch, Gerald R. (May 2009). "Economic Effects of State Bans on Direct Manufacturer Sales to Car Buyers". United States Department of Justice. Archived from the original on 19 June 2015. Retrieved 21 August 2016.
18. ^ "Tesla sets up shop in Dallas -- minus test-drives and sales".
19. ^ "Tesla: we're not car dealerships". 6 June 2014. Archived from the original on 30 May 2016.
20. ^ "The Perfect Tesla Store". tesla.com. Archived from the original on 6 December 2017.
21. ^ Gross, Daniel (11 April 2016). "Tesla's Real Innovation Isn't the Electric Car". Slate. Archived from the original on 6 December 2017.
22. ^ "Inside the rise of 'stealerships' and the shady economics of car buying". NPR. 2022.
23. ^ "State Franchise Law Carjacks Auto Buyers".
24. ^ "Death of a car salesman". The Economist. 2015. ISSN 0013-0613.
25. ^ DePillis, Lydia (1 June 2017). "Auto dealerships are America's most powerful middlemen". Chron.
26. ^ Girotra, Karan; Netessine, Serguei (2014). "The Fight Over Tesla Shows How Little Value Dealerships Add". Harvard Business Review. ISSN 0017-8012.
27. ^ "Auto Franchise Laws Restrict Consumer Choice and Increase Prices".
28. ^ Yglesias, Matthew (26 October 2014). "Car dealers are awful. It's time to kill the dumb laws that keep them in business". Vox. Retrieved 2 October 2020.
29. ^ **a b** Calma, Justine (12 May 2023). "What two-thirds of car dealerships are missing in the US". The Verge.
30. ^ Irfan, Umair (8 May 2023). "Why most car dealers still don't have any electric vehicles". Vox. Retrieved 31 May 2023.
31. ^ Wayland, Michael (28 January 2023). "Carmakers face a crossroads as they work to fit auto dealers into their EV plans". CNBC. Retrieved 31 May 2023.
32. ^ **a b** "Car industry at the crossroads". POLITICO. 5 September 2001.
33. ^ **a b** "European car dealers win right to multi-franchise [sic]". The Irish Times. 2006.
34. ^ Campbell, Peter (2 March 2021). "Volvo Cars to go all electric by 2030 as it shifts sales online". Financial Times.
35. ^ Apeldoorn, Robert Van (22 November 2021). "Acheter sa voiture sur le net, une évolution qui pourrait bouleverser la vente via les concessionnaires". Trends-Tendances (in French).

Retrieved 30 November 2023.

36. ^ "Publications - European Commission" (PDF). Archived (PDF) from the original on 2 April 2015. Retrieved 22 March 2015.
37. ^ Blanco, Sebastian. "First EVEN EV store opens in Iceland's biggest shopping mall". Archived from the original on 6 April 2015.

Further reading

[edit]

- Genat, Robert (2004). *The American Car Dealership*. Motorbooks International. ISBN 9780760319345.

External links

[edit]



Wikimedia Commons has media related to ***Automobile dealerships***.

- EU car dealership reforms

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Retail

Key concepts

- Counter display unit
- Display stand
- Endcap
- Facing
- Free standing display unit
- Gondola
- History of retail
- Merchandising
 - Visual merchandising
- Point of sale display
- Retail design
- Retail merchandising unit
- Self-service
- Shelf-ready packaging

- Agricultural supplies
- Alcohol
- Antiques
- Automotive fuel
- Automotive parts
- Beauty products
- Books
- Cannabis
- Catering
 - Mobile
- Chocolate
- Clothes
- Comics
- Confectionery
- Consumer electronics
- Cycles
- *Doujin shop*
- Dry goods
- Equestrian supplies
- Eyewear
- Fish
- Flowers
- Food
- Foodservice
- Fruit stand
- Furniture
- Garden centre
- Gardening supplies
- General merchandise
- Gold
- Greengrocer
- Grocery
 - Public grocery
- Guns
- Hardware
- Health food
- Herbal tea
- Hobby supplies
- Home decor
- Home improvement products
- Ironmongery
- Jewellery
- Lingerie
- Lumber
- Magic supplies
- Meat
- Medications
- Medicinal plants
- Music

By product

- Anchor tenant
- Automat
- Automated retail
- Big-box store
- Boot fair
- Boutique
- Brick and mortar
- Bring and buy sale
- Butcher shop
- Car boot sale
- Cash and carry
- Cashierless store
- Category killer
- Chain store
- Charity shop
- Closeout store
- Company store
- Consignment shop
- Consignment store (East Asia)
- Convenience store
 - Automated convenience store
 - Corner store
 - Mini-mart
 - Mini market
 - Superette
- Dark store
- Department store
 - Junior department store
 - Public department store
- Discount store
- E-commerce
- Estate sale
- Experiential commerce
- Experiential retail
- Factory outlet
- Factory store
- Flash retailing
- Free box
- Freeshop
- Free store
- Garage sale
- General store
- Give-away shop
- Haberdasher
- Head shop
- High Street
- Honesty box
- Hospice shop
- Hyperstore

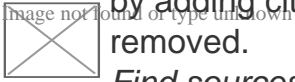
By type

- Arabber
- Boutique
- Braderie
- Butcher shop
- Concession stand
- Cooked food centre
- Costermonger
- Direct sellers
- Duty-free shop
- Food booth
- Food cart
- Food court
- Food hall
- Food kiosk
- Food stall
- Food stand
- Food truck
- Gift shop
- Hawker
- Hawker centre
- Ice cream truck
- Ice cream van
- Museum shop
- Pawn shop
- Peddler
- Pharmacies
- Refreshment stand
- Snack bar
- Snack kiosk
- Souvenir shop
- Surplus store
- Tack shop
- Tax-free shopping
- Tuck shop

About Street-legal vehicle

For other uses, see [Street legal \(disambiguation\)](#).

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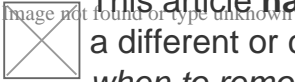


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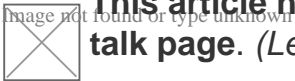
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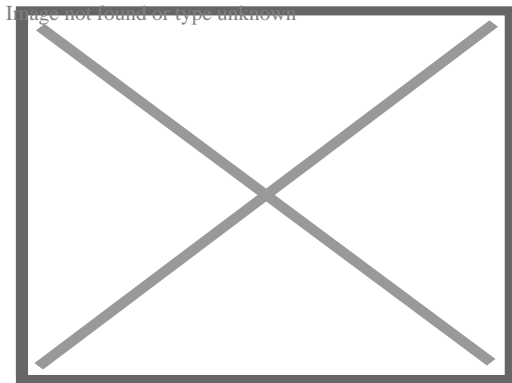


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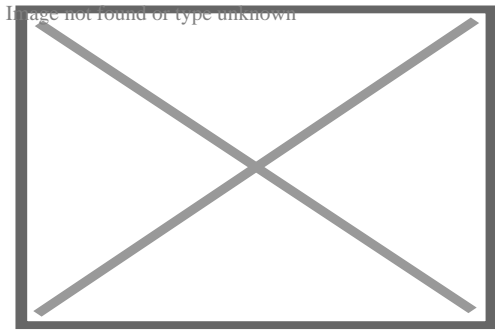
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Two images showing a Mazda 323F's headlights retracted and visible.

Street-legal, **road-legal**, or **road-going**, refers to a vehicle such as a car, motorcycle, or light truck that is equipped and licensed for use on public roads, being therefore roadworthy. This will require specific configurations of lighting, signal lights, and safety equipment. Some specialty vehicles that will not be operated on roads, therefore, do not need all the features of a street-legal vehicle; examples are a vehicle used only off-road (such as a sandrail) that is trailered to its off-road operating area, and a racing car that is used only on closed race tracks and therefore does not need all the features of a street-legal vehicle. As well as motor vehicles, the street-legal distinction applies in some jurisdictions to track bicycles that lack street-legal brakes and lights. Street-legality rules can even affect racing helmets, which possess visual fields too narrow for use on an open road without the risk of missing a fast-moving vehicle.^[1]



The Porsche 911 GT1 '98 "*Straßenversion*" (German: Roadworthy Version) is a street-legal racing car and a single copy of the racing version, that succeeded at the 24 Hours of Le Mans in 1998.

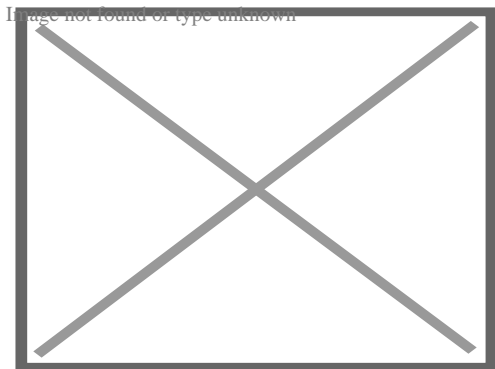
Conditional

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Some vehicles may be street-legal only in certain areas, routes or use cases, such as UTVs or tractors only allowed on-road in rural areas or driving between different off-road areas/private properties.^[2]^[3] Enduro dirt bikes on dirt/gravel roads in National parks for personal recreational use.^[4] Small engine motorcycle/moped or microcars/quadracycle only allowed on (low speed) streets and not (high speed) highways.^[5]^[6] Vehicles imported from another country for testing, display or remanufacturing.^[7] Rally cars or trophy trucks, immediately before, during and immediately after rallies.^[8]

Canada

[edit]



New kei trucks are illegal to drive on public roads in Canada

In Canada, all ten provinces follow a consistent set of national criteria issued by Transport Canada for specific equipment required as part of a street-legal vehicle. In some provinces, the *Highway Traffic Act* is a matter of provincial jurisdiction; provinces with such an Act include Ontario, Manitoba, and Newfoundland and Labrador.

Many but not all U.S.-model vehicles do qualify for import to Canada, but must meet requirements for items such as daytime running lights (standard on Canadian-market vehicles since 1991, but not required in the U.S.), anti-theft immobilisers, and anchorage points for child seats.^[9] Cars from other countries (such as the UK) typically do not qualify, as standards are too widely divergent from those in Canada.^[10]

India

[edit]

Main article: Automotive Industry Standards

Requirements for manufacturing, registering, and operating motor vehicles in India are codified by the Central Motor Vehicles Rules (CMVR), as maintained by the Ministry of Road Transport and Highways.^[11] Street-legal two-, three-, and four-wheeled vehicles must comply with structure, safety equipment, and operating conditions in CMVR 93–125.^[12]

United Kingdom

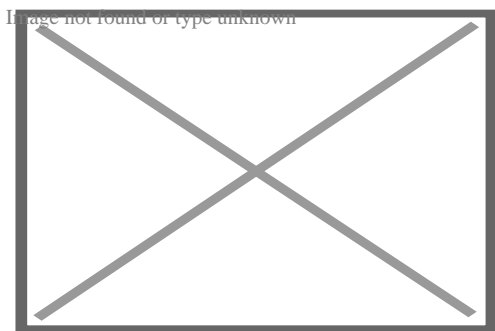
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In the United Kingdom, vehicles must pass the Single Vehicle Approval (SVA) scheme, a pre-registration inspection for cars and light goods vehicles^[13] that have not been type-approved to British or European standards. Since August 2001, there have been two levels of SVA, those being 'standard' and 'enhanced'. The standard SVA is applied to vehicles such as left-hand drive vehicles, personally imported vehicles, amateur-built vehicles and armoured vehicles, to name a few. Vehicles which do not fall into one of the standard SVA categories – for example a vehicle of right-hand drive – require enhanced SVA in addition to standard SVA inspections.^[14]

The SVA is in the process of being replaced by the Individual Vehicle Approval (IVA).^[13]

United States

[edit]



Tesla Cybertruck is not legal in Europe or China and exclusively sold in USA and Canada

In the United States, the individual states have the authority to determine, by means of statutes and regulations, which types of vehicles are permitted on public streets, as a function of police power. Vehicles that are considered street-legal in the U.S. include automobiles, trucks, and motorcycles.^[15] Some vehicles that are not generally sold for on-road driving – such as all-terrain vehicles (ATVs) and golf carts – can potentially be adapted for street use, if permitted by state law.^{[16][17]}

Most requirements for automobiles are largely consistent between U.S. states.^[18] A notable exception is California emission control, which has traditionally been more strict than that in other states.^[19] Common requirements for automobiles include structure (examples: hood) and safety equipment (examples: headlamps and bumpers).^[20]

Common requirements for motorcycles include side view mirrors and a dedicated seat in order to transport a passenger.^[21] However, states vary widely on other equipment such as turn signals.^[21]

See also

[edit]

- Roadworthiness
- Rolling coal

References

[edit]

- [illegible]

9. ^ The Registrar of Imported Vehicles, a private company under contract by Transport Canada, provides some information on which US-model vehicles are or can be made street-legal in Canada.
10. ^ *"Importing vehicles purchased in countries OTHER than the United States". Transport Canada. Government of Canada. 1 January 2013. Archived from the original on 5 November 2018. Retrieved 4 November 2018.*
11. ^ *"Central Motor Vehicles Rules 1989". Ministry of Road Transport and Highways. 2012-06-18. Archived from the original on 2013-10-13. Retrieved 2013-10-13.*
12. ^ *"Rules relating to Type Approval of Vehicles and Methods of Establishing Compliance". Society of Indian Automobile Manufacturers (SIAM). 2005. Archived from the original on 2011-08-21.*
13. ^ **a b** *"7. Single Vehicle Approval". Guide: Vehicle approval. GOV.UK. 23 September 2013. Archived from the original on 28 August 2024. Retrieved 13 October 2013.*
14. ^ *"The UK Single Vehicle Approval Scheme". GOV.UK. Archived from the original on September 22, 2009.*
15. ^ *"State Motorcycle Laws". American Motorcyclist Association. Archived from the original on 2012-10-05. Retrieved 2012-10-03.*
16. ^ *"State ATV Information". Consumer Product Safety Commission. Retrieved 21 March 2018.*
17. ^ *"Attorney General Opinion No. 94-102". Kansas Attorney General Opinions. Washburn University School of Law. 17 August 1994. Retrieved 21 March 2018.*
18. ^ *Hinkelman, Edward G. (2003). Importers Manual USA. World Trade Press. p. 272. ISBN 1885073933.*
19. ^ *Overly, Steven (23 February 2017). "Even in Trump's America, California could decide how cleanly your car runs". Washington Post. Retrieved 21 March 2018.*
20. ^ *"10 Common Illegal Alterations Made to Cars". National Motorists Association Blog. 3 April 2012. Archived from the original on 28 August 2024. Retrieved 21 March 2018.*
21. ^ **a b** *American Motorcyclist Association (27 September 2012), Motorcycle Laws by State (Revised 9-27-2012), archived from the original on 14 October 2013*

Authority control databases: National                     

auto atv

41.594748226806, -87.999739790257

Starting Point

Shorewood Home & Auto (Formerly Circle Tractor), 13639 W 159th St, Homer Glen, IL 60491, USA

Destination

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ATV Dealer

41.557324506025, -87.928742225499

Starting Point

Shorewood Home & Auto (Formerly Circle Tractor), 13639 W 159th St, Homer Glen, IL 60491, USA

Destination

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ATV Dealer

41.558509620271, -87.95950362543

Starting Point

Shorewood Home & Auto (Formerly Circle Tractor), 13639 W 159th St, Homer Glen, IL 60491, USA

Destination

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atv stores in illinois

41.631170758126, -87.9510205

Starting Point

Shorewood Home & Auto (Formerly Circle Tractor), 13639 W 159th St, Homer Glen, IL 60491, USA

Destination

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judson outdoor power & atv

41.57515764718, -88.032512736562

Starting Point

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Destination

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atv push mower

41.619926653045, -87.892455610928

Starting Point

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Destination

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atv illinois for sale

41.661417333599, -87.915319377447

Starting Point

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Destination

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atv push mower

41.576559514074, -88.017102969337

Starting Point

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Destination

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used atv mowers for sale

41.606342917118, -87.909382977642

Starting Point

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Destination

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auto atv

41.58938458501, -87.942080491627

Starting Point

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Frequently Asked Questions

When should I consider upgrading my ATVs clutch springs?

You should consider upgrading your ATVs clutch springs if you notice slipping or inconsistent engagement, especially under heavy load or after modifications that increase engine power.

What are the signs that my ATVs clutch weights need upgrading?

Signs that your clutch weights may need upgrading include poor acceleration, high RPMs without corresponding speed increase, and excessive belt wear due to improper clutching.

How do modifications to my ATV affect the need for clutch spring and weight upgrades?

Modifications such as exhaust systems, air intakes, or engine remapping can increase engine output, which may necessitate upgrading clutch springs and weights to handle the increased power and maintain optimal performance.

Can upgrading clutch springs and weights improve my ATV's performance?

Yes, upgrading clutch springs and weights can improve your ATV's performance by optimizing power delivery, reducing belt slip, and enhancing acceleration and top speed.

Shorewood Home & Auto

Phone : +17083010222

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City : Shorewood

State : IL

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